

ICPSR 4707

Nativity Detail File, 2004 [United States]

United States Department of Health and Human Services. National Center for Health Statistics

Codebook for the United States File

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ICPSR PROCESSING NOTE FOR # 4707
Natality Detail File, 2004: [United States], United States File

- 1) **Confidentiality:** To protect respondent confidentiality, codes in the following variables were replaced with blank codes: **MAGER**, **FAGERPT**, **FAGECOMB**, **UFAGECOMB**, **MRACE1E** through **MRACE8E**, and **FRACE1E** through **FRACE8E**.
- 2) **Sequential record identifier:** ICPSR created a unique sequential record identifier variable named **CASEID** for use with online analysis.
- 3) **Data format:** Variables **XOSTATE**, **RCNTY_POP**, **RCITY_POP**, **MSA_POP**, and **SEX** were converted from character to numeric. Therefore, column locations and codes listed for these variables may differ from those listed in the original documentation.
- 4) **Unknown codes:** Value labels for unknown codes were added in variables **APNCU**, **U_APNCU**, and **RCITY_POP**.
- 5) **Codebook frequencies:** Due to space limitations, frequencies for the variables **OCNTYFIPS**, **MRCNTYFIPS**, **MRCITYFIPS**, **DBWT**, and **MSA** are not shown in the ICPSR codebook.

Data Completeness Report

Notes: (1) Variables are individually listed only if they have greater than 5% missing data. These variables are listed under the appropriate percentage category in the order in which they appear in the data file. (2) The Data Completeness Report only captures information about system missing or other values that are declared missing. Codes that have a label implying that they are missing but that are not declared missing values are not reflected in this report. Data users should consult the codebook for more specific information about missing values. (3) Some variables that have 100% missing data may have been blanked by ICPSR to protect respondent confidentiality. Data users should consult the codebook for more specific information about blanked variables. (4) Data do not contain skip patterns or skip patterns are not reflected in the data as coded.

Table 1: Distribution of Variables by Percentage of Missing Values--United States File

Variable Name and Label (Total Cases = 4118907)	Percent of Cases with Missing Values
68.3% (196 of 287 variables)	have 0% Missing Values
0.0% (0 of 287 variables)	have 0% - 1% Missing Values
0.0% (0 of 287 variables)	have 1% - 3% Missing Values
0.0% (0 of 287 variables)	have 3% - 5% Missing Values
0.0% (0 of 287 variables)	have 5% - 10% Missing Values
24.7% (71 of 287 variables)	have 10% - 20% Missing Values
MRACE	Mother's Race 18.4%
DMEDUC	Mother's Education (1989 Revision) 18.4%
MEDUC_REC	Mother's Education Recode 18.4%
FRACE	Father's Race 18.4%
MPCB	Month Prenatal Care Began (1989 Revision) 18.4%
MPCB_REC6	Month Prenatal Care Began Recode 6 18.4%
MPCB_REC5	Month Prenatal Care Began Recode 5 18.4%
U_APNU	Adequacy of Prenatal Care Utilization Index (Unrevised) 18.4%
TOBUSE	Tobacco Use 18.4%
CIGS	Cigarettes per Day 18.4%
CIG_REC6	Cigarettes Recode (Unrevised) 18.4%
ALCOHOL	Alcohol Use 18.4%
DRINKS	Drinks per Week 18.4%
DRINKS_REC	Drinks Recode 18.4%
URF_ANEMIA	Risk Factors: Anemia 18.4%
URFARDC	Risk Factors: Cardiac 18.4%
URF_LUNG	Risk Factors: Acute or Chronic Lung Disease 18.4%
URF_GEN	Risk Factors: Genital herpes 18.4%
URF_HYDR	Risk Factors: Hydranmnios/Oligohydramnios 18.4%
URF_HEMO	Risk Factors: Hemoglobinopathy 18.4%
URF_INCERV	Risk Factors: Incompetent Cervix 18.4%
URF_PRE4000	Risk Factors: Previous Infant 4000+ Grams 18.4%
URF_PRETERM	Risk Factors: Previous Preterm Small for Gestation 18.4%
URF_RENAL	Risk Factors: Renal Disease 18.4%

Table 1: Distribution of Variables by Percentage of Missing Values--United States File

Variable Name and Label (Total Cases = 4118907)		Percent of Cases with Missing Values
URF_RH	Risk Factors: Rh Sensitization	18.4%
URF_UTERINE	Risk Factors: Uterine Bleeding	18.4%
URF_OTHER	Risk Factors: Other medical risk factors	18.4%
UOP_AMNIO	Obstetric Procedures: Amniocentesis	18.4%
UOP_MONIT	Obstetric Procedures: Electronic Fetal Monitoring	18.4%
UOP_STIML	Obstetric Procedures: Stimulation of Labor	18.4%
UOP_ULTRA	Obstetric Procedures: Ultrasound	18.4%
UOP_OTHER	Obstetric Procedures: Other Obstetric Procedures	18.4%
ULD_FEBR	Complications of Labor & Delivery: Febrile	18.4%
ULD_RUPTR	Complications of Labor & Delivery: Premature Rupture of Membrane	18.4%
ULD_ABRUP	Complications of Labor & Delivery: Abruptio Placenta	18.4%
ULD_PREPLA	Complications of Labor & Delivery: Placenta Previa	18.4%
ULD_EXCBL	Complications of Labor & Delivery: Other Excessive Bleeding	18.4%
ULD_SEIZ	Complications of Labor & Delivery: Seizures During Labor	18.4%
ULD_PROLG	Complications of Labor & Delivery: Prolonged Labor	18.4%
ULD_DYSFN	Complications of Labor & Delivery: Dysfunctional Labor	18.4%
ULD_CEPHAL	Complications of Labor & Delivery: Cephalopelvic Disproportion	18.4%
ULD_CORD	Complications of Labor & Delivery: Cord Prolapse	18.4%
ULD_ANEST	Complications of Labor & Delivery: Anesthetic Complications	18.4%
ULD_DISTR	Complications of Labor & Delivery: Fetal Distress	18.4%
ULD_OTHER	Complications of Labor & Delivery: Other Complications	18.4%
UAB_ANEM	Abnormal Conditions of Newborn: Anemia	18.4%
UAB_INJURY	Abnormal Conditions of Newborn: Birth Injury	18.4%
UAB_ALCOH	Abnormal Conditions of Newborn: Fetal Alcohol Syndrome	18.4%
UAB_HYAL	Abnormal Conditions of Newborn: Hyaline Membrane Disease	18.4%
UAB_MECON	Abnormal Conditions of Newborn: Meconium Aspiration Syndrome	18.4%
UAB_VENL30	Abnormal Conditions of Newborn: Assisted Ventilation < 30 min	18.4%
UAB_VEN30M	Abnormal Conditions of Newborn: Assisted Ventilation >= 30 min	18.4%
UAB_NSEIZ	Abnormal Conditions of Newborn: Seizures	18.4%
UAB_OTHER	Abnormal Conditions of Newborn: Other Abnormal Conditions	18.4%
UCA_HYDRO	Congenital Anomalies of Newborn: Hydrocephalus	18.4%
UCA_MICRO	Congenital Anomalies of Newborn: Microcephalus	18.4%
UCA_NERV	Congenital Anomalies of Newborn: Other Central Nervous System Anomalies	18.4%
UCA_HEART	Congenital Anomalies of Newborn: Heart Malformations	18.4%
UCA_CIRC	Congenital Anomalies of Newborn: Other Circulatory/Respiratory Anomalies	18.4%
UCA_RECTAL	Congenital Anomalies of Newborn: Rectal Atresia/Stenosis	18.4%
UCA_TRACH	Congenital Anomalies of Newborn: Tracheo-Esophageal Fistula	18.4%

Table 1: Distribution of Variables by Percentage of Missing Values--United States File

Variable Name and Label (Total Cases = 4118907)		Percent of Cases with Missing Values
UCA_GASTRO	Congenital Anomalies of Newborn: Other Gastrointestinal Anomalies	18.4%
UCA_GENITAL	Congenital Anomalies of Newborn: Malformed Genitalia	18.4%
UCA_RENAL	Congenital Anomalies of Newborn: Renal Agenesis	18.4%
UCA_UROGEN	Congenital Anomalies of Newborn: Other Urogenital Anomalies	18.4%
UCA_ADACTY	Congenital Anomalies of Newborn: Polydactyly/Syndactyly/Adactyly	18.4%
UCA_CLUBFT	Congenital Anomalies of Newborn: Club Foot	18.4%
UCA_HERNIA	Congenital Anomalies of Newborn: Diaphragmatic Hernia	18.4%
UCA_MUSCU	Congenital Anomalies of Newborn: Other Musculoskeletal Anomalies	18.4%
UCA_CHROM	Congenital Anomalies of Newborn: Other Chromosomal Anomalies	18.4%
UCA_OTHER	Congenital Anomalies of Newborn: Other Congenital Anomalies	18.4%
0.0% (0 of 287 variables)	have 20% - 40% Missing Values	
7.0% (20 of 287 variables)	have 40% - 99% Missing Values	
MAGE_IMPFGLG	Mother's Age Imputed	96.3%
MAGE_REPFLG	Reported Age of Mother Flag	96.3%
MBRACE	Mother's Bridged Race	61.1%
MRACEIMP	Mother's Race Imputed Flag	97.6%
MAR_IMP	Mother's Marital Status Imputed Flag	99.9%
MEDUC	Mother's Education (2003 Revision)	81.6%
FAGERPT_FLG	Father's Reported Age Used	97.5%
FBRACE	Father's Bridged Race	61.1%
PRECARE	Month Prenatal Care Began (2003 Revision)	81.6%
PRECARE_REC	Month Prenatal Care Began Recode	81.6%
APNCU	Adequacy of Prenatal Care Utilization Index (Revised)	81.6%
DFPC_IMP	Day of Date First Prenatal Care Imputed	98.7%
CIG_0	Cigarettes Before Pregnancy	86.0%
CIG_1	Cigarettes 1st Trimester	86.0%
CIG_2	Cigarettes 2nd Trimester	86.0%
CIG_3	Cigarettes 3rd Trimester	86.0%
IMP_PLUR	Plurality Imputed	100.0%
IMP_SEX	Imputed Sex	100.0%
OBGEST_FLG	Clinical Estimate of Gestation Used Flag	94.9%
GEST_IMP	Gestation Imputed Flag	99.2%
0.0% (0 of 287 variables)	have 100% missing values	

Codebook for ICPSR 04707

Nativity Detail File, 2004: [United States]

Dataset 1: United States File

CASEID	Sequential Record Identifier
Location:	1-12 (width: 12; decimal: 0)
Variable Type:	numeric (ISO)
Interval:	discrete

Revision	Revision					
Location:	13-13 (width: 1; decimal: 0)					
Variable Type:	character (ISO)					
Interval:	discrete					
Value	Label	Frequency	%	Valid %		
A	Data based on the 2003 revision of the U.S. Standard Birth Certificate (Revised)	758833	18.4 %	18.4%		
S	Data based on the 1989 revision of the U.S. Standard Birth Certificate (Unrevised)	3360074	81.6 %	81.6%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	N/A	N/A	N/A	N/A	N/A

DOB_YY	Birth Year
Location:	15-18 (width: 4; decimal: 0)
Variable Type:	numeric (ISO)
Interval:	discrete

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	2004.00	2004.00	2004.00	2004.00	0.00

DOB_MM
Birth Month

Location: 19-20 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	January	333408	8.1 %	8.1%
2	February	316310	7.7 %	7.7%
3	March	346854	8.4 %	8.4%
4	April	333858	8.1 %	8.1%
5	May	338168	8.2 %	8.2%
6	June	345398	8.4 %	8.4%
7	July	360050	8.7 %	8.7%
8	August	356075	8.6 %	8.6%
9	September	356703	8.7 %	8.7%
10	October	349110	8.5 %	8.5%
11	November	336309	8.2 %	8.2%
12	December	346664	8.4 %	8.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	12.00	6.56	7.00	3.43

DOB_WK
Weekday

Location: 21-21 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Sunday	390754	9.5 %	9.5%
2	Monday	610170	14.8 %	14.8%
3	Tuesday	679385	16.5 %	16.5%
4	Wednesday	669672	16.3 %	16.3%
5	Thursday	670922	16.3 %	16.3%
6	Friday	655350	15.9 %	15.9%
7	Saturday	442654	10.7 %	10.7%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	7.00	4.06	4.00	1.84

OSTATE
Occurrence State

Location: 22-23 (width: 2; decimal: 0)

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Variable Type: character (ISO)
 Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
AK	Alaska	10268	0.2 %	0.2%
AL	Alabama	58383	1.4 %	1.4%
AR	Arkansas	37840	0.9 %	0.9%
AZ	Arizona	93876	2.3 %	2.3%
CA	California	545758	13.3 %	13.3%
CO	Colorado	68797	1.7 %	1.7%
CT	Connecticut	42545	1.0 %	1.0%
DC	District of Columbia	14794	0.4 %	0.4%
DE	Delaware	12080	0.3 %	0.3%
FL	Florida	218218	5.3 %	5.3%
GA	Georgia	140117	3.4 %	3.4%
HI	Hawaii	18297	0.4 %	0.4%
IA	Iowa	38527	0.9 %	0.9%
ID	Idaho	21949	0.5 %	0.5%
IL	Illinois	177417	4.3 %	4.3%
IN	Indiana	87942	2.1 %	2.1%
KS	Kansas	40449	1.0 %	1.0%
KY	Kentucky	54085	1.3 %	1.3%
LA	Louisiana	65572	1.6 %	1.6%
MA	Massachusetts	79405	1.9 %	1.9%
MD	Maryland	70538	1.7 %	1.7%
ME	Maine	13733	0.3 %	0.3%
MI	Michigan	128585	3.1 %	3.1%
MN	Minnesota	70618	1.7 %	1.7%
MO	Missouri	78591	1.9 %	1.9%
MS	Mississippi	41562	1.0 %	1.0%
MT	Montana	11526	0.3 %	0.3%
NC	North Carolina	120588	2.9 %	2.9%
ND	North Dakota	9408	0.2 %	0.2%
NE	Nebraska	26446	0.6 %	0.6%
NH	New Hampshire	14198	0.3 %	0.3%
NJ	New Jersey	112232	2.7 %	2.7%
NM	New Mexico	27798	0.7 %	0.7%
NV	Nevada	34780	0.8 %	0.8%
NY	New York	251562	6.1 %	6.1%
OH	Ohio	149481	3.6 %	3.6%
OK	Oklahoma	50223	1.2 %	1.2%
OR	Oregon	46454	1.1 %	1.1%
PA	Pennsylvania	144498	3.5 %	3.5%

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Value	Label	Frequency	%	Valid %
RI	Rhode Island	13582	0.3 %	0.3%
SC	South Carolina	54232	1.3 %	1.3%
SD	South Dakota	11803	0.3 %	0.3%
TN	Tennessee	84855	2.1 %	2.1%
TX	Texas	387337	9.4 %	9.4%
UT	Utah	51835	1.3 %	1.3%
VA	Virginia	101826	2.5 %	2.5%
VT	Vermont	6262	0.2 %	0.2%
WA	Washington	81390	2.0 %	2.0%
WI	Wisconsin	69014	1.7 %	1.7%
WV	West Virginia	21305	0.5 %	0.5%
WY	Wyoming	6326	0.2 %	0.2%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	N/A	N/A	N/A	N/A	N/A

XOSTATE

Expanded Occurrence State

Location: 24-25 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	AK: Alaska	10268	0.2 %	0.2%
2	AL: Alabama	58383	1.4 %	1.4%
3	AR: Arkansas	37840	0.9 %	0.9%
4	AZ: Arizona	93876	2.3 %	2.3%
5	CA: California	545758	13.3 %	13.3%
6	CO: Colorado	68797	1.7 %	1.7%
7	CT: Connecticut	42545	1.0 %	1.0%
8	DE: Delaware	12080	0.3 %	0.3%
9	DC: District of Columbia	14794	0.4 %	0.4%
10	FL: Florida	218218	5.3 %	5.3%
11	GA: Georgia	140117	3.4 %	3.4%
12	HI: Hawaii	18297	0.4 %	0.4%
13	ID: Idaho	21949	0.5 %	0.5%
14	IL: Illinois	177417	4.3 %	4.3%
15	IN: Indiana	87942	2.1 %	2.1%
16	IA: Iowa	38527	0.9 %	0.9%
17	KS: Kansas	40449	1.0 %	1.0%
18	KY: Kentucky	54085	1.3 %	1.3%
19	LA: Louisiana	65572	1.6 %	1.6%
20	MA: Massachusetts	79405	1.9 %	1.9%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
21	MD: Maryland	70538	1.7 %	1.7%
22	ME: Maine	13733	0.3 %	0.3%
23	MI: Michigan	128585	3.1 %	3.1%
24	MN: Minnesota	70618	1.7 %	1.7%
25	MO: Missouri	78591	1.9 %	1.9%
26	MS: Mississippi	41562	1.0 %	1.0%
27	MT: Montana	11526	0.3 %	0.3%
28	NC: North Carolina	120588	2.9 %	2.9%
29	ND: North Dakota	9408	0.2 %	0.2%
30	NE: Nebraska	26446	0.6 %	0.6%
31	NH: New Hampshire	14198	0.3 %	0.3%
32	NJ: New Jersey	112232	2.7 %	2.7%
33	NM: New Mexico	27798	0.7 %	0.7%
34	NV: Nevada	34780	0.8 %	0.8%
35	NY: New York	127465	3.1 %	3.1%
36	OH: Ohio	149481	3.6 %	3.6%
37	OK: Oklahoma	50223	1.2 %	1.2%
38	OR: Oregon	46454	1.1 %	1.1%
39	PA: Pennsylvania	144498	3.5 %	3.5%
40	RI: Rhode Island	13582	0.3 %	0.3%
41	SC: South Carolina	54232	1.3 %	1.3%
42	SD: South Dakota	11803	0.3 %	0.3%
43	TN: Tennessee	84855	2.1 %	2.1%
44	TX: Texas	387337	9.4 %	9.4%
45	UT: Utah	51835	1.3 %	1.3%
46	VT: Vermont	6262	0.2 %	0.2%
47	VA: Virginia	101826	2.5 %	2.5%
48	WA: Washington	81390	2.0 %	2.0%
49	WI: Wisconsin	69014	1.7 %	1.7%
50	WV: West Virginia	21305	0.5 %	0.5%
51	WY: Wyoming	6326	0.2 %	0.2%
52	YC: New York City	124097	3.0 %	3.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	52.00	25.10	24.00	15.79

OCNTYFIPS
Occurrence FIPS County

Location:

26-28 (width: 3; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

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<i>Value</i>	<i>Label</i>
999	County of less than 100,000 population or foreign resident

* Frequencies not displayed for this variable.

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	999.00	233.70	77.00	348.63

OCNTYPOP Occurrence County Pop

Location: 29-29 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	County of 1,000,000 or more	1186153	28.8 %	28.8%
1	County of 500,000 to 1,000,000	955619	23.2 %	23.2%
2	County of 250,000 to 500,000	658531	16.0 %	16.0%
3	County of 100,000 to 250,000	652921	15.9 %	15.9%
9	County less than 100,000	665683	16.2 %	16.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	9.00	2.48	1.00	3.04

UBFACIL Birth Place

Location: 30-30 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Hospital	4080213	99.1 %	99.1%
2	Freestanding Birthing Center	11788	0.3 %	0.3%
3	Clinic / Doctor's Office	480	0.0 %	0.0%
4	Residence	23184	0.6 %	0.6%
5	Other	2358	0.1 %	0.1%
9	Unknown	884	0.0 %	0.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.02	1.00	0.28

BFACIL3 Birth Place Recode

Location: 31-31 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	In Hospital	4080213	99.1 %	99.1%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
2	Not in Hospital	37810	0.9 %	0.9%
3	Unknown or Not Stated	884	0.0 %	0.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	3.00	1.01	1.00	0.10

MAGE_IMPFLG
Mother's Age Imputed

Location: 32-32 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Age imputed	152981	3.7 %	100.0%
. (M)	-	3965926	96.3 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
152981	3965926	1.00	1.00	1.00	1.00	0.00

MAGE_REPFLG
Reported Age of Mother Flag

Location: 33-33 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Reported Age Used	152332	3.7 %	100.0%
. (M)	-	3966575	96.3 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
152332	3966575	1.00	1.00	1.00	1.00	0.00

MAGER
Mother's Single Year of Age

Location: 34-35 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
99	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	99.00	99.00	99.00	99.00	0.00

MAGER14
Mother's Age Recode 14

Location: 36-37 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Under 15 Years	6785	0.2 %	0.2%
3	15 years	18301	0.4 %	0.4%
4	16 years	41918	1.0 %	1.0%
5	17 years	73981	1.8 %	1.8%
6	18 years	117403	2.9 %	2.9%
7	19 years	164254	4.0 %	4.0%
8	20-24 years	1035841	25.1 %	25.1%
9	25-29 years	1106564	26.9 %	26.9%
10	30-34 years	967529	23.5 %	23.5%
11	35-39 years	476379	11.6 %	11.6%
12	40-44 years	103812	2.5 %	2.5%
13	45-49 years	5764	0.1 %	0.1%
14	50-54 years	376	0.0 %	0.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	14.00	8.97	9.00	1.56

MAGER9
Mother's Age Recode 9

Location:

38-38 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Under 15 years	6785	0.2 %	0.2%
2	15-19 years	415857	10.1 %	10.1%
3	20-24 years	1035841	25.1 %	25.1%
4	25-29 years	1106564	26.9 %	26.9%
5	30-34 years	967529	23.5 %	23.5%
6	35-39 years	476379	11.6 %	11.6%
7	40-44 years	103812	2.5 %	2.5%
8	45-49 years	5764	0.1 %	0.1%
9	50-54 years	376	0.0 %	0.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	4.09	4.00	1.27

UMBSTATE
Mother's Birth State

Location:

39-40 (width: 2; decimal: 0)

Variable Type:

character (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
AK	Alaska	8231	0.2 %	0.2%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
AL	Alabama	52884	1.3 %	1.3%
AR	Arkansas	32081	0.8 %	0.8%
AS	American Samoa	460	0.0 %	0.0%
AZ	Arizona	44910	1.1 %	1.1%
CA	California	322969	7.8 %	7.8%
CC	Canada	10249	0.2 %	0.2%
CO	Colorado	39590	1.0 %	1.0%
CT	Connecticut	32583	0.8 %	0.8%
CU	Cuba	7865	0.2 %	0.2%
DC	District of Columbia	17085	0.4 %	0.4%
DE	Delaware	8254	0.2 %	0.2%
FL	Florida	108154	2.6 %	2.6%
GA	Georgia	82062	2.0 %	2.0%
GU	Guam	1573	0.0 %	0.0%
HI	Hawaii	15546	0.4 %	0.4%
IA	Iowa	41716	1.0 %	1.0%
ID	Idaho	17847	0.4 %	0.4%
IL	Illinois	160996	3.9 %	3.9%
IN	Indiana	80235	1.9 %	1.9%
KS	Kansas	33920	0.8 %	0.8%
KY	Kentucky	51860	1.3 %	1.3%
LA	Louisiana	71499	1.7 %	1.7%
MA	Massachusetts	64276	1.6 %	1.6%
MD	Maryland	46274	1.1 %	1.1%
ME	Maine	12681	0.3 %	0.3%
MI	Michigan	127972	3.1 %	3.1%
MN	Minnesota	55928	1.4 %	1.4%
MO	Missouri	70262	1.7 %	1.7%
MP	Northern Mariana Islands	42	0.0 %	0.0%
MS	Mississippi	42781	1.0 %	1.0%
MT	Montana	11853	0.3 %	0.3%
MX	Mexico	440723	10.7 %	10.7%
NC	North Carolina	74415	1.8 %	1.8%
ND	North Dakota	10993	0.3 %	0.3%
NE	Nebraska	24516	0.6 %	0.6%
NH	New Hampshire	9434	0.2 %	0.2%
NJ	New Jersey	80429	2.0 %	2.0%
NM	New Mexico	23042	0.6 %	0.6%
NV	Nevada	10309	0.3 %	0.3%
NY	New York	221016	5.4 %	5.4%
OH	Ohio	152573	3.7 %	3.7%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
OK	Oklahoma	44274	1.1 %	1.1%
OR	Oregon	31374	0.8 %	0.8%
PA	Pennsylvania	138216	3.4 %	3.4%
PR	Puerto Rico	20317	0.5 %	0.5%
RI	Rhode Island	10562	0.3 %	0.3%
SC	South Carolina	43107	1.0 %	1.0%
SD	South Dakota	12256	0.3 %	0.3%
TN	Tennessee	61670	1.5 %	1.5%
TX	Texas	247225	6.0 %	6.0%
UT	Utah	41833	1.0 %	1.0%
VA	Virginia	63122	1.5 %	1.5%
VI	Virgin Islands	1361	0.0 %	0.0%
VT	Vermont	5657	0.1 %	0.1%
WA	Washington	49213	1.2 %	1.2%
WI	Wisconsin	62301	1.5 %	1.5%
WV	West Virginia	24178	0.6 %	0.6%
WY	Wyoming	7262	0.2 %	0.2%
YY	Rest of the World	516036	12.5 %	12.5%
ZZ	Not Classifiable	16855	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	N/A	N/A	N/A	N/A	N/A

MBSTATE_REC
Mother's Birth State Recode

Location:

41-41 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Native-born (within 50 States & DC)	3103640	75.4 %	75.4%
2	Foreign-born (outside 50 States & DC)	998626	24.2 %	24.2%
3	Unknown or Not Stated	16641	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	3.00	1.25	1.00	0.44

XMRSTATE
Expanded State of Residence of Mother

Location:

42-43 (width: 2; decimal: 0)

Variable Type:

character (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
AK	Alaska	10338	0.3 %	0.3%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
AL	Alabama	59510	1.4 %	1.4%
AR	Arkansas	38573	0.9 %	0.9%
AS	American Samoa	0	0.0 %	-
AZ	Arizona	93663	2.3 %	2.3%
CA	California	544843	13.2 %	13.2%
CC	Canada	113	0.0 %	0.0%
CO	Colorado	68503	1.7 %	1.7%
CT	Connecticut	42095	1.0 %	1.0%
CU	Cuba	2	0.0 %	0.0%
DC	District of Columbia	7933	0.2 %	0.2%
DE	Delaware	11369	0.3 %	0.3%
FL	Florida	218053	5.3 %	5.3%
GA	Georgia	138849	3.4 %	3.4%
GU	Guam	1	0.0 %	0.0%
HI	Hawaii	18281	0.4 %	0.4%
IA	Iowa	38438	0.9 %	0.9%
ID	Idaho	22532	0.5 %	0.5%
IL	Illinois	180778	4.4 %	4.4%
IN	Indiana	87142	2.1 %	2.1%
KS	Kansas	39669	1.0 %	1.0%
KY	Kentucky	55720	1.4 %	1.4%
LA	Louisiana	65369	1.6 %	1.6%
MA	Massachusetts	78484	1.9 %	1.9%
MD	Maryland	74628	1.8 %	1.8%
ME	Maine	13944	0.3 %	0.3%
MI	Michigan	129776	3.2 %	3.2%
MN	Minnesota	70624	1.7 %	1.7%
MO	Missouri	77765	1.9 %	1.9%
MP	Northern Mariana Islands	0	0.0 %	-
MS	Mississippi	42827	1.0 %	1.0%
MT	Montana	11519	0.3 %	0.3%
MX	Mexico	5784	0.1 %	0.1%
NC	North Carolina	119847	2.9 %	2.9%
ND	North Dakota	8189	0.2 %	0.2%
NE	Nebraska	26332	0.6 %	0.6%
NH	New Hampshire	14565	0.4 %	0.4%
NJ	New Jersey	115253	2.8 %	2.8%
NM	New Mexico	28384	0.7 %	0.7%
NV	Nevada	35200	0.9 %	0.9%
NY	New York	130879	3.2 %	3.2%
OH	Ohio	148954	3.6 %	3.6%

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Value	Label	Frequency	%	Valid %
OK	Oklahoma	51306	1.2 %	1.2%
OR	Oregon	45678	1.1 %	1.1%
PA	Pennsylvania	144748	3.5 %	3.5%
PR	Puerto Rico	19	0.0 %	0.0%
RI	Rhode Island	12779	0.3 %	0.3%
SC	South Carolina	56590	1.4 %	1.4%
SD	South Dakota	11338	0.3 %	0.3%
TN	Tennessee	79642	1.9 %	1.9%
TX	Texas	381293	9.3 %	9.3%
UT	Utah	50670	1.2 %	1.2%
VA	Virginia	103933	2.5 %	2.5%
VI	Virgin Islands	19	0.0 %	0.0%
VT	Vermont	6599	0.2 %	0.2%
WA	Washington	81747	2.0 %	2.0%
WI	Wisconsin	70146	1.7 %	1.7%
WV	West Virginia	20880	0.5 %	0.5%
WY	Wyoming	6807	0.2 %	0.2%
XX	Not Applicable	307	0.0 %	0.0%
YC	New York City	119068	2.9 %	2.9%
ZZ	Not Classifiable	610	0.0 %	0.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	N/A	N/A	N/A	N/A	N/A

MRSTATE

Mother's Residence State

Location: 44-45 (width: 2; decimal: 0)

Variable Type: character (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
AK	Alaska	10338	0.3 %	0.3%
AL	Alabama	59510	1.4 %	1.4%
AR	Arkansas	38573	0.9 %	0.9%
AS	American Samoa	0	0.0 %	-
AZ	Arizona	93663	2.3 %	2.3%
CA	California	544843	13.2 %	13.2%
CC	Canada	113	0.0 %	0.0%
CO	Colorado	68503	1.7 %	1.7%
CT	Connecticut	42095	1.0 %	1.0%
CU	Cuba	2	0.0 %	0.0%
DC	District of Columbia	7933	0.2 %	0.2%
DE	Delaware	11369	0.3 %	0.3%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
FL	Florida	218053	5.3 %	5.3%
GA	Georgia	138849	3.4 %	3.4%
GU	Guam	1	0.0 %	0.0%
HI	Hawaii	18281	0.4 %	0.4%
IA	Iowa	38438	0.9 %	0.9%
ID	Idaho	22532	0.5 %	0.5%
IL	Illinois	180778	4.4 %	4.4%
IN	Indiana	87142	2.1 %	2.1%
KS	Kansas	39669	1.0 %	1.0%
KY	Kentucky	55720	1.4 %	1.4%
LA	Louisiana	65369	1.6 %	1.6%
MA	Massachusetts	78484	1.9 %	1.9%
MD	Maryland	74628	1.8 %	1.8%
ME	Maine	13944	0.3 %	0.3%
MI	Michigan	129776	3.2 %	3.2%
MN	Minnesota	70624	1.7 %	1.7%
MO	Missouri	77765	1.9 %	1.9%
MP	Northern Mariana Islands	0	0.0 %	-
MS	Mississippi	42827	1.0 %	1.0%
MT	Montana	11519	0.3 %	0.3%
MX	Mexico	5784	0.1 %	0.1%
NC	North Carolina	119847	2.9 %	2.9%
ND	North Dakota	8189	0.2 %	0.2%
NE	Nebraska	26332	0.6 %	0.6%
NH	New Hampshire	14565	0.4 %	0.4%
NJ	New Jersey	115253	2.8 %	2.8%
NM	New Mexico	28384	0.7 %	0.7%
NV	Nevada	35200	0.9 %	0.9%
NY	New York	249947	6.1 %	6.1%
OH	Ohio	148954	3.6 %	3.6%
OK	Oklahoma	51306	1.2 %	1.2%
OR	Oregon	45678	1.1 %	1.1%
PA	Pennsylvania	144748	3.5 %	3.5%
PR	Puerto Rico	19	0.0 %	0.0%
RI	Rhode Island	12779	0.3 %	0.3%
SC	South Carolina	56590	1.4 %	1.4%
SD	South Dakota	11338	0.3 %	0.3%
TN	Tennessee	79642	1.9 %	1.9%
TX	Texas	381293	9.3 %	9.3%
UT	Utah	50670	1.2 %	1.2%
VA	Virginia	103933	2.5 %	2.5%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
VI	Virgin Islands	19	0.0 %	0.0%
VT	Vermont	6599	0.2 %	0.2%
WA	Washington	81747	2.0 %	2.0%
WI	Wisconsin	70146	1.7 %	1.7%
WV	West Virginia	20880	0.5 %	0.5%
WY	Wyoming	6807	0.2 %	0.2%
XX	Not Applicable	307	0.0 %	0.0%
YC	New York City	0	0.0 %	-
ZZ	Not Classifiable	610	0.0 %	0.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	N/A	N/A	N/A	N/A	N/A

MRCNTYFIPS
Mother's County of Residence (FIPS)

Location: 46-48 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>
0	Foreign residents
999	County of less than 100,000 population

* Frequencies not displayed for this variable.

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	999.00	287.34	85.00	390.41

MRCITYFIPS
Mother's Place of Residence (FIPS)

Location: 49-53 (width: 5; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>
0	Foreign residents
99999	County of less than 100,000 population

* Frequencies not displayed for this variable.

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99999.00	65597.77	-	33506.40

CMSA
Consolidated Metropolitan Statistical Areas

Location: 54-55 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not a CMSA	2478190	60.2 %	60.2%
7	Boston, Worcester, Lawrence, MA-NH-ME-CT, CMSA	76952	1.9 %	1.9%
14	Chicago-Gary-Kenosha, IL-IN-WI, CMSA	140946	3.4 %	3.4%
21	Cincinnati-Hamilton, OH-KY-IN, CMSA	29008	0.7 %	0.7%
28	Cleveland-Akron, OH, CMSA	35904	0.9 %	0.9%
31	Dallas-Fort Worth, TX, CMSA	99269	2.4 %	2.4%
34	Denver-Boulder-Greeley, CO, CMSA	44330	1.1 %	1.1%
35	Detroit-Ann Arbor-Flint, MI, CMSA	72180	1.8 %	1.8%
42	Houston-Galveston-Brazoria, TX, CMSA	88732	2.2 %	2.2%
49	Los Angeles-Riverside-Orange County, CA, CMSA	270072	6.6 %	6.6%
56	Miami-Fort Lauderdale, FL, CMSA	54977	1.3 %	1.3%
63	Milwaukee-Racine, WI, CMSA	23824	0.6 %	0.6%
70	New York-Northern New Jersey-Long Island, NY-NJ-CTPA, CMSA	295503	7.2 %	7.2%
77	Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA	82832	2.0 %	2.0%
79	Portland-Salem, OR-WA, CMSA	33670	0.8 %	0.8%
82	Sacramento-Yolo, CA, CMSA	28940	0.7 %	0.7%
84	San Francisco-Oakland-San Jose, CA, CMSA	98865	2.4 %	2.4%
91	Seattle-Tacoma-Bremerton, WA, CMSA	48404	1.2 %	1.2%
97	Washington-Baltimore, DC-MD-VA-WV, CMSA	116309	2.8 %	2.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	97.00	21.57	0.00	31.16

MSA

Metropolitan Statistical Area

Location:

56-59 (width: 4; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>
0	Foreign resident
9999	Area of less than 100,000

* Frequencies not displayed for this variable.

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	9999.00	5650.74	-	3223.31

MSA_POP

Population of Statistical Area

Location:

60-61 (width: 2; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Area of 250,000 or more	2908846	70.6 %	70.6%
2	Area of 100,000 to 250,000	222279	5.4 %	5.4%
9	Nonmetropolitan areas	980927	23.8 %	23.8%
99	Foreign resident	6855	0.2 %	0.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	99.00	3.12	1.00	5.17

RCNTY_POP
Population of Residence County

Location: 62-63 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	County of 1,000,000 or more	1102919	26.8 %	26.8%
1	County of 500,000 to 1,000,000	836352	20.3 %	20.3%
2	County of 250,000 to 500,000	613784	14.9 %	14.9%
3	County of 100,000 to 250,000	644003	15.6 %	15.6%
9	County less than 100,000	914994	22.2 %	22.2%
99	Foreign resident	6855	0.2 %	0.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	3.13	2.00	5.17

RCITY_POP
Population of Residence City

Location: 64-65 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	City of 1,000,000 or more	388334	9.4 %	9.4%
1	City of 500,000 to 1,000,000	216715	5.3 %	5.3%
2	City of 250,000 to 500,000	280562	6.8 %	6.8%
3	City of 100,000 to 250,000	464353	11.3 %	11.3%
4	4: Unknown Code	430005	10.4 %	10.4%
5	5: Unknown Code	367681	8.9 %	8.9%
6	6: Unknown Code	286552	7.0 %	7.0%
9	City of less than 100,000	1677850	40.7 %	40.7%
99	Foreign resident	6855	0.2 %	0.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	5.64	5.00	5.03

METRORES
Metropolitan Residence County

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Location: 66-66 (width: 1; decimal: 0)

Variable Type: character (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Metropolitan County	3386535	82.2 %	82.2%
2	Nonmetropolitan County	726325	17.6 %	17.6%
Z	Foreign resident	6047	0.1 %	0.1%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	N/A	N/A	N/A	N/A	N/A

RECTYPE

Record Type

Location: 67-67 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	RESIDENT: State and county of occurrence and residence are the same.	3037764	73.8 %	73.8%
2	NONRESIDENT: State and county of occurrence and residence are different.	1081143	26.2 %	26.2%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	2.00	1.26	1.00	0.44

RESTATUS

Residence Status

Location: 68-68 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	RESIDENT: State and county of occurrence and residence are the same.	3037764	73.8 %	73.8%
2	INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different.	984787	23.9 %	23.9%
3	INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 U.S. states or District of Columbia.	89501	2.2 %	2.2%
4	FOREIGN RESIDENT: The state of residence is not one of the 50 U.S. states or District of Columbia.	6855	0.2 %	0.2%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	4.00	1.29	1.00	0.51

MBRACE

Mother's Bridged Race

- Study 04707 -

Location: 69-70 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group; see "Technical Appendix" in the codebook documentation. Also includes unrevised states that report multiple race.

Value	Label	Frequency	%	Valid %
1	White - single race	1264339	30.7 %	78.9%
2	Black - single race	189800	4.6 %	11.8%
3	American Indian / Alaskan Native - single race	8759	0.2 %	0.5%
4	Asian Indian - single race	17363	0.4 %	1.1%
5	Chinese - single race	19725	0.5 %	1.2%
6	Filipino - single race	22703	0.6 %	1.4%
7	Japanese - single race	5597	0.1 %	0.3%
8	Korean - single race	8799	0.2 %	0.5%
9	Vietnamese - single race	13249	0.3 %	0.8%
10	Other Asian - single race	16285	0.4 %	1.0%
11	Hawaiian - single race	789	0.0 %	0.0%
12	Guamanian - single race	628	0.0 %	0.0%
13	Samoan - single race	2246	0.1 %	0.1%
14	Other Pacific Islander - single race	2441	0.1 %	0.2%
21	White - bridged multiple race	12245	0.3 %	0.8%
22	Black - bridged multiple race	6067	0.1 %	0.4%
23	American Indian / Alaskan Native - bridged multiple race	1360	0.0 %	0.1%
24	Asian / Pacific Islander - bridged multiple race	10263	0.2 %	0.6%
. (M)	-	2516249	61.1 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
1602658	2516249	1.00	24.00	1.94	1.00	3.28

MRACE	Mother's Race
Location:	71-72 (width: 2; decimal: 0)
Variable Type:	numeric (ISO)
Interval:	discrete
Question:	Includes only states exclusively reporting single race. Some areas report additional Asian or Pacific Islander (API) codes for race. Codes 18-68 replace old code 08 for all other areas. See reporting flag [variable F_API] for expanded API reporting area.

Value	Label	Frequency	%	Valid %
1	White	2633549	63.9 %	78.4%
2	Black	487051	11.8 %	14.5%
3	American Indian / Alaskan Native	39345	1.0 %	1.2%

- Study 04707 -

Value	Label	Frequency	%	Valid %
4	Chinese	33348	0.8 %	1.0%
5	Japanese	7374	0.2 %	0.2%
6	Hawaiian (includes part-Hawaiian)	1504	0.0 %	0.0%
7	Filipino	30083	0.7 %	0.9%
18	Asian Indian	29268	0.7 %	0.9%
28	Korean	10893	0.3 %	0.3%
38	Samoan	1936	0.0 %	0.1%
48	Vietnamese	15114	0.4 %	0.4%
58	Guamanian	405	0.0 %	0.0%
68	Other Asian/Pacific Islander in areas reporting codes 18-58.	30714	0.7 %	0.9%
78	Combined other Asian/Pacific Islander, includes 18-68 for areas that do not report them separately.	39490	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	78.00	3.26	1.00	11.06

MRACEREC

Mother's Race Recode

Location: 73-73 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete
 Question: Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.

Value	Label	Frequency	%	Valid %
1	White	3229443	78.4 %	78.4%
2	Black	616256	15.0 %	15.0%
3	American Indian / Alaskan Native	43943	1.1 %	1.1%
4	Asian / Pacific Islander	229265	5.6 %	5.6%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	4.00	1.34	1.00	0.76

MRACEIMP

Mother's Race Imputed Flag

Location: 74-74 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete

Value	Label	Frequency	%	Valid %
1	Unknown race imputed	88639	2.2 %	88.1%
2	All other races, formerly coded 09, imputed.	12028	0.3 %	11.9%
. (M)	-	4018240	97.6 %	-

- Study 04707 -

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
100667	4018240	1.00	2.00	1.12	1.00	0.32

UMHISP
Mother's Hispanic Origin

Location: 75-75 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Non-Hispanic	3133977	76.1 %	76.1%
1	Mexican	683381	16.6 %	16.6%
2	Puerto Rican	61238	1.5 %	1.5%
3	Cuban	14948	0.4 %	0.4%
4	Central American	143648	3.5 %	3.5%
5	Other and Unknown Hispanic	49066	1.2 %	1.2%
9	Origin unknown or not stated	32649	0.8 %	0.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	9.00	0.48	0.00	1.24

MRACEHISP
Mother's Race/Hispanic Origin

Location: 76-76 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Mexican	683381	16.6 %	16.6%
2	Puerto Rican	61238	1.5 %	1.5%
3	Cuban	14948	0.4 %	0.4%
4	Central or South American	143648	3.5 %	3.5%
5	Other and Unknown Hispanic	49066	1.2 %	1.2%
6	Non-Hispanic White	2297228	55.8 %	55.8%
7	Non-Hispanic Black	578936	14.1 %	14.1%
8	Non-Hispanic Other Races	257813	6.3 %	6.3%
9	Origin unknown or not stated	32649	0.8 %	0.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	5.31	6.00	2.13

MAR
Mother's Marital Status

Location: 77-77 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	2647121	64.3 %	64.3%
2	No	1471786	35.7 %	35.7%
9	Unknown or not Stated	0	0.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	2.00	1.36	1.00	0.48

MAR_IMP
Mother's Marital Status Imputed Flag

Location: 78-78 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Marital Status imputed	2256	0.1 %	100.0%
. (M)	-	4116651	99.9 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
2256	4116651	1.00	1.00	1.00	1.00	0.00

MEDUC
Mother's Education (2003 Revision)

Location: 79-79 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	8th grade or less	33815	0.8 %	4.5%
2	9th through 12th grade with no diploma	110915	2.7 %	14.6%
3	High school graduate or GED completed	208086	5.1 %	27.4%
4	Some college credit, but not a degree	144466	3.5 %	19.0%
5	Associate degree (AA,AS)	63206	1.5 %	8.3%
6	Bachelor's degree (BA,AB,BS)	127590	3.1 %	16.8%
7	Master's degree (MA,MS)	52518	1.3 %	6.9%
8	Doctorate (PhD, EdD) or Professional Degree (MD, DDS, DVM, LLB,JD)	11718	0.3 %	1.5%
9	Unknown	6519	0.2 %	0.9%
. (M)	-	3360074	81.6 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
758833	3360074	1.00	9.00	4.03	4.00	1.76

DMEDUC
Mother's Education (1989 Revision)

Location: 80-81 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	No formal education	6484	0.2 %	0.2%
1	1 year of elementary school	2645	0.1 %	0.1%
2	2 years of elementary school	5433	0.1 %	0.2%
3	3 years of elementary school	10027	0.2 %	0.3%
4	4 years of elementary school	8832	0.2 %	0.3%
5	5 years of elementary school	11072	0.3 %	0.3%
6	6 years of elementary school	91113	2.2 %	2.7%
7	7 years of elementary school	17515	0.4 %	0.5%
8	8 years of elementary school	59453	1.4 %	1.8%
9	1 year of high school	159474	3.9 %	4.7%
10	2 years of high school	145550	3.5 %	4.3%
11	3 years of high school	212171	5.2 %	6.3%
12	4 years of high school	989404	24.0 %	29.4%
13	1 year of college	229243	5.6 %	6.8%
14	2 years of college	348375	8.5 %	10.4%
15	3 years of college	118197	2.9 %	3.5%
16	4 years of college	526975	12.8 %	15.7%
17	5 or more years of college	369204	9.0 %	11.0%
99	Not stated	48907	1.2 %	1.5%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	0.00	99.00	14.15	12.00	10.71

MEDUC_REC

Mother's Education Recode

Location:

82-82 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	0-8 years	212574	5.2 %	6.3%
2	9-11 years	517195	12.6 %	15.4%
3	12 years	989404	24.0 %	29.4%
4	13-15 years	695815	16.9 %	20.7%
5	16 years and over	896179	21.8 %	26.7%
6	Not stated	48907	1.2 %	1.5%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	6.00	3.50	3.00	1.25

FAGERPT_FLG

Father's Reported Age Used

- Study 04707 -

Location: 83-83 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %		
1	Father's reported age used	101748	2.5 %	100.0%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
101748	4017159	1.00	1.00	1.00	1.00	0.00

FAGERPT

Father's Reported Age

Location: 84-85 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %		
99	Blanked for Confidentiality	4118907	100.0 %	100.0%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	99.00	99.00	99.00	99.00	0.00

FAGECOMB

Father's Combined Age (Revised)

Location: 86-87 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Revised states report for a range of 09-98 years.

Value	Label	Frequency	%	Valid %		
99	Blanked for Confidentiality	4118907	100.0 %	100.0%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	99.00	99.00	99.00	99.00	0.00

UFAGECOMB

Father's Combined Age

Location: 88-89 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Unrevised states report for a range of 10-98 years.

Value	Label	Frequency	%	Valid %		
99	Blanked for Confidentiality	4118907	100.0 %	100.0%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	99.00	99.00	99.00	99.00	0.00

FAGEREC11

Father's Age Recode 11

- Study 04707 -

Location: 90-91 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Under 15 years	373	0.0 %	0.0%
2	15-19 years	121902	3.0 %	3.0%
3	20-24 years	607943	14.8 %	14.8%
4	25-29 years	904394	22.0 %	22.0%
5	30-34 years	966119	23.5 %	23.5%
6	35-39 years	602039	14.6 %	14.6%
7	40-44 years	252148	6.1 %	6.1%
8	45-49 years	76908	1.9 %	1.9%
9	50-54 years	21063	0.5 %	0.5%
10	55-98 years	7475	0.2 %	0.2%
11	Not stated	558543	13.6 %	13.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	11.00	5.56	5.00	2.52

FBRACE

Father's Bridged Race

Location: 92-93 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group; see "Technical Appendix" in the codebook documentation. Also includes unrevised states that report multiple race.

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	White - single race	1087562	26.4 %	67.9%
2	Black - single race	137195	3.3 %	8.6%
3	American Indian / Alaskan Native - single race	5983	0.1 %	0.4%
4	Asian Indian - single race	16419	0.4 %	1.0%
5	Chinese - single race	16700	0.4 %	1.0%
6	Filipino - single race	16511	0.4 %	1.0%
7	Japanese - single race	3663	0.1 %	0.2%
8	Korean - single race	6970	0.2 %	0.4%
9	Vietnamese - single race	11146	0.3 %	0.7%
10	Other Asian - single race	13110	0.3 %	0.8%
11	Hawaiian - single race	713	0.0 %	0.0%
12	Guamanian - single race	510	0.0 %	0.0%
13	Samoan - single race	2256	0.1 %	0.1%
14	Other Pacific Islander - single race	2086	0.1 %	0.1%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
21	White - bridged multiple race	9255	0.2 %	0.6%
22	Black - bridged multiple race	3744	0.1 %	0.2%
23	American Indian / Alaskan Native - bridged multiple race	2185	0.1 %	0.1%
24	Asian / Pacific Islander - bridged multiple race	8920	0.2 %	0.6%
99	Unknown or not stated, also includes states not reporting multiple race	257730	6.3 %	16.1%
. (M)	-	2516249	61.1 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
1602658	2516249	1.00	99.00	17.51	1.00	35.79

FRACEREC
Father's Race Recode

Location: 94-94 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete
 Question: Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	White	2798820	68.0 %	68.0%
2	Black	437114	10.6 %	10.6%
3	American Indian / Alaskan Native	32088	0.8 %	0.8%
4	Asian / Pacific Islander	191836	4.7 %	4.7%
9	Unknown or not stated	659049	16.0 %	16.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.54	1.00	2.90

UFHISP
Father's Hispanic Origin

Location: 95-95 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Non-Hispanic	2703488	65.6 %	65.6%
1	Mexican	608447	14.8 %	14.8%
2	Puerto Rican	51061	1.2 %	1.2%
3	Cuban	15530	0.4 %	0.4%
4	Central American	121547	3.0 %	3.0%
5	Other and Unknown Hispanic	38263	0.9 %	0.9%
9	Origin unknown or not stated	580571	14.1 %	14.1%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	9.00	1.62	0.00	3.12

FRACEHISP
Father's Race/Hispanic Origin

Location: 96-96 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Mexican	608447	14.8 %	14.8%
2	Puerto Rican	51061	1.2 %	1.2%
3	Cuban	15530	0.4 %	0.4%
4	Central or South American	121547	3.0 %	3.0%
5	Other and Unknown Hispanic	38263	0.9 %	0.9%
6	Non-Hispanic White	2037762	49.5 %	49.5%
7	Non-Hispanic Black	420587	10.2 %	10.2%
8	Non-Hispanic Other Races	245139	6.0 %	6.0%
9	Origin unknown or not stated	580571	14.1 %	14.1%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	5.78	6.00	2.37

FRACE
Father's Race

Location: 97-98 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	White	2312525	56.1 %	68.8%
2	Black	350784	8.5 %	10.4%
3	American Indian / Alaskan Native	28331	0.7 %	0.8%
4	Chinese	28584	0.7 %	0.9%
5	Japanese	4834	0.1 %	0.1%
6	Hawaiian (includes part-Hawaiian)	1261	0.0 %	0.0%
7	Filipino	21883	0.5 %	0.7%
18	Asian Indian	28472	0.7 %	0.8%
28	Korean	8936	0.2 %	0.3%
38	Samoan	2004	0.0 %	0.1%
48	Vietnamese	13105	0.3 %	0.4%
58	Guamanian	371	0.0 %	0.0%
68	Other Asian/Pacific Islander in areas reporting codes 18-58.	25907	0.6 %	0.8%
78	Combined other Asian/Pacific Islander, includes 18-68 for areas that do not report them separately.	34161	0.8 %	1.0%

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Value	Label	Frequency	%	Valid %
99	Unknown or not stated	498916	12.1 %	14.8%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	99.00	17.47	1.00	35.56

PRIORLIVE

Prior Births Now Living

Location: 99-100 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	-	1644663	39.9 %	39.9%
1	-	1333462	32.4 %	32.4%
2	-	692907	16.8 %	16.8%
3	-	268053	6.5 %	6.5%
4	-	94729	2.3 %	2.3%
5	-	37364	0.9 %	0.9%
6	-	16240	0.4 %	0.4%
7	-	7817	0.2 %	0.2%
8	-	3782	0.1 %	0.1%
9	-	2127	0.1 %	0.1%
10	-	1265	0.0 %	0.0%
11	-	634	0.0 %	0.0%
12	-	306	0.0 %	0.0%
13	-	159	0.0 %	0.0%
14	-	68	0.0 %	0.0%
15	-	26	0.0 %	0.0%
16	-	11	0.0 %	0.0%
17	-	6	0.0 %	0.0%
18	-	2	0.0 %	0.0%
19	-	1	0.0 %	0.0%
20	-	10	0.0 %	0.0%
21	-	1	0.0 %	0.0%
30	-	2	0.0 %	0.0%
99	Unknown or not stated	15272	0.4 %	0.4%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	99.00	1.42	1.00	6.08

PRIORDEAD

Prior Births Now Dead

Location: 101-102 (width: 2; decimal: 0)

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Variable Type:

numeric (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	4039739	98.1 %	98.1%
1	-	50866	1.2 %	1.2%
2	-	7395	0.2 %	0.2%
3	-	1727	0.0 %	0.0%
4	-	538	0.0 %	0.0%
5	-	193	0.0 %	0.0%
6	-	91	0.0 %	0.0%
7	-	50	0.0 %	0.0%
8	-	34	0.0 %	0.0%
9	-	94	0.0 %	0.0%
10	-	35	0.0 %	0.0%
11	-	27	0.0 %	0.0%
12	-	6	0.0 %	0.0%
13	-	2	0.0 %	0.0%
16	-	1	0.0 %	0.0%
18	-	2	0.0 %	0.0%
19	-	1	0.0 %	0.0%
20	-	3	0.0 %	0.0%
30	-	2	0.0 %	0.0%
99	Unknown or not stated	18101	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	0.45	0.00	6.55

PRIORTERM

Prior Other Terminations

Location:

103-104 (width: 2; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	3112716	75.6 %	75.6%
1	-	661531	16.1 %	16.1%
2	-	212384	5.2 %	5.2%
3	-	69628	1.7 %	1.7%
4	-	24241	0.6 %	0.6%
5	-	9319	0.2 %	0.2%
6	-	4040	0.1 %	0.1%
7	-	1892	0.0 %	0.0%
8	-	1005	0.0 %	0.0%
9	-	476	0.0 %	0.0%

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
10	-	444	0.0 %	0.0%
11	-	170	0.0 %	0.0%
12	-	101	0.0 %	0.0%
13	-	70	0.0 %	0.0%
14	-	36	0.0 %	0.0%
15	-	21	0.0 %	0.0%
16	-	16	0.0 %	0.0%
17	-	13	0.0 %	0.0%
18	-	6	0.0 %	0.0%
19	-	5	0.0 %	0.0%
20	-	27	0.0 %	0.0%
21	-	2	0.0 %	0.0%
22	-	1	0.0 %	0.0%
23	-	2	0.0 %	0.0%
24	-	1	0.0 %	0.0%
25	-	2	0.0 %	0.0%
26	-	1	0.0 %	0.0%
27	-	2	0.0 %	0.0%
30	-	6	0.0 %	0.0%
99	Unknown or not stated	20749	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	0.86	0.00	7.03

LBO

Live Birth Order

Location: 105-106 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Sum of all previous live births (now living and now dead) plus current birth

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	-	1633831	39.7 %	39.7%
2	-	1321518	32.1 %	32.1%
3	-	695113	16.9 %	16.9%
4	-	274028	6.7 %	6.7%
5	-	99856	2.4 %	2.4%
6	-	39769	1.0 %	1.0%
7	-	17870	0.4 %	0.4%
8	-	8586	0.2 %	0.2%
9	-	4291	0.1 %	0.1%
10	-	2338	0.1 %	0.1%
11	-	1486	0.0 %	0.0%

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
12	-	727	0.0 %	0.0%
13	-	401	0.0 %	0.0%
14	-	197	0.0 %	0.0%
15	-	106	0.0 %	0.0%
16	-	32	0.0 %	0.0%
17	-	22	0.0 %	0.0%
18	-	7	0.0 %	0.0%
19	-	9	0.0 %	0.0%
20	-	3	0.0 %	0.0%
21	-	10	0.0 %	0.0%
22	-	1	0.0 %	0.0%
23	-	5	0.0 %	0.0%
27	-	2	0.0 %	0.0%
99	Unknown or not stated	18699	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	99.00	2.51	2.00	6.63

LBO_REC

Live Birth Order Recode

Location: 107-107 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	-	1633831	39.7 %	39.7%
2	-	1321518	32.1 %	32.1%
3	-	695113	16.9 %	16.9%
4	-	274028	6.7 %	6.7%
5	-	99856	2.4 %	2.4%
6	-	39769	1.0 %	1.0%
7	-	17870	0.4 %	0.4%
8	Live birth order of 8 or more	18223	0.4 %	0.4%
9	Unknown or not stated	18699	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.10	2.00	1.30

TBO

Total Birth Order

Location: 108-109 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Sum of all previous pregnancies plus current birth

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	-	1351027	32.8 %	32.8%
2	-	1189869	28.9 %	28.9%
3	-	768390	18.7 %	18.7%
4	-	401363	9.7 %	9.7%
5	-	195541	4.7 %	4.7%
6	-	92487	2.2 %	2.2%
7	-	45800	1.1 %	1.1%
8	-	22947	0.6 %	0.6%
9	-	12019	0.3 %	0.3%
10	-	6652	0.2 %	0.2%
11	-	3886	0.1 %	0.1%
12	-	2266	0.1 %	0.1%
13	-	1418	0.0 %	0.0%
14	-	793	0.0 %	0.0%
15	-	478	0.0 %	0.0%
16	-	272	0.0 %	0.0%
17	-	140	0.0 %	0.0%
18	-	67	0.0 %	0.0%
19	-	48	0.0 %	0.0%
20	-	34	0.0 %	0.0%
21	-	26	0.0 %	0.0%
22	-	17	0.0 %	0.0%
23	-	11	0.0 %	0.0%
24	-	5	0.0 %	0.0%
25	-	6	0.0 %	0.0%
26	-	2	0.0 %	0.0%
27	-	5	0.0 %	0.0%
28	-	1	0.0 %	0.0%
29	-	2	0.0 %	0.0%
99	Unknown or not stated	23335	0.6 %	0.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	99.00	2.98	2.00	7.42

TBO_REC

Total Birth Order Recode

Location: 110-110 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	-	1351027	32.8 %	32.8%
2	-	1189869	28.9 %	28.9%

- Study 04707 -

Value	Label	Frequency	%	Valid %
3	-	768390	18.7 %	18.7%
4	-	401363	9.7 %	9.7%
5	-	195541	4.7 %	4.7%
6	-	92487	2.2 %	2.2%
7	-	45800	1.1 %	1.1%
8	Total birth order of 8 or more	51095	1.2 %	1.2%
9	Unknown or not stated	23335	0.6 %	0.6%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	9.00	2.46	2.00	1.58

DLLB_MM

Date of Last Live Birth - Month

Location: 111-112 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	January	36155	0.9 %	0.9%
2	February	30693	0.7 %	0.7%
3	March	32813	0.8 %	0.8%
4	April	31630	0.8 %	0.8%
5	May	33257	0.8 %	0.8%
6	June	32714	0.8 %	0.8%
7	July	33560	0.8 %	0.8%
8	August	34441	0.8 %	0.8%
9	September	33801	0.8 %	0.8%
10	October	33210	0.8 %	0.8%
11	November	31133	0.8 %	0.8%
12	December	32278	0.8 %	0.8%
88	Not applicable	306982	7.5 %	7.5%
99	Unknown or not stated	3416240	82.9 %	82.9%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	99.00	89.29	99.00	27.17

DLLB_YY

Date of Last Live Birth - Year

Location: 113-116 (width: 4; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1969	-	1	0.0 %	0.0%
1974	-	1	0.0 %	0.0%

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1975	-	2	0.0 %	0.0%
1976	-	4	0.0 %	0.0%
1977	-	19	0.0 %	0.0%
1978	-	21	0.0 %	0.0%
1979	-	23	0.0 %	0.0%
1980	-	67	0.0 %	0.0%
1981	-	92	0.0 %	0.0%
1982	-	147	0.0 %	0.0%
1983	-	210	0.0 %	0.0%
1984	-	280	0.0 %	0.0%
1985	-	444	0.0 %	0.0%
1986	-	599	0.0 %	0.0%
1987	-	795	0.0 %	0.0%
1988	-	1094	0.0 %	0.0%
1989	-	1646	0.0 %	0.0%
1990	-	2323	0.1 %	0.1%
1991	-	3070	0.1 %	0.1%
1992	-	4238	0.1 %	0.1%
1993	-	5475	0.1 %	0.1%
1994	-	7062	0.2 %	0.2%
1995	-	9235	0.2 %	0.2%
1996	-	12395	0.3 %	0.3%
1997	-	16897	0.4 %	0.4%
1998	-	24152	0.6 %	0.6%
1999	-	35199	0.9 %	0.9%
2000	-	53209	1.3 %	1.3%
2001	-	78607	1.9 %	1.9%
2002	-	102484	2.5 %	2.5%
2003	-	52050	1.3 %	1.3%
2004	-	11497	0.3 %	0.3%
8888	Not applicable	306981	7.5 %	7.5%
9999	Unknown or not stated	3388588	82.3 %	82.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1969.00	9999.00	9094.07	9999.00	2418.52

PRECARE

Month Prenatal Care Began (2003 Revision)

Location: 117-118 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	No prenatal care	9409	0.2 %	1.2%
1	-	42798	1.0 %	5.6%
2	-	240873	5.8 %	31.7%
3	-	234832	5.7 %	30.9%
4	-	80132	1.9 %	10.6%
5	-	40002	1.0 %	5.3%
6	-	24997	0.6 %	3.3%
7	-	15775	0.4 %	2.1%
8	-	10875	0.3 %	1.4%
9	-	5071	0.1 %	0.7%
10	-	2249	0.1 %	0.3%
99	Unknown or not stated	51820	1.3 %	6.8%
. (M)	-	3360074	81.6 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
758833	3360074	0.00	99.00	9.61	3.00	24.25

PRECARE_REC
Month Prenatal Care Began Recode

Location:

119-119 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	1st to 3rd month	518503	12.6 %	68.3%
2	4th to 6th month	145131	3.5 %	19.1%
3	7th to final month	33970	0.8 %	4.5%
4	No prenatal care	9409	0.2 %	1.2%
5	Unknown or not stated	51820	1.3 %	6.8%
. (M)	-	3360074	81.6 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
758833	3360074	1.00	5.00	1.59	1.00	1.11

MPCB
Month Prenatal Care Began (1989 Revision)

Location:

120-121 (width: 2; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	No prenatal care	34582	0.8 %	1.0%
1	-	760006	18.5 %	22.6%
2	-	1380066	33.5 %	41.1%
3	-	625596	15.2 %	18.6%

- Study 04707 -

Value	Label	Frequency	%	Valid %
4	-	221985	5.4 %	6.6%
5	-	118374	2.9 %	3.5%
6	-	70432	1.7 %	2.1%
7	-	44646	1.1 %	1.3%
8	-	27129	0.7 %	0.8%
9	-	11981	0.3 %	0.4%
99	Unknown or not stated	65277	1.6 %	1.9%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	0.00	99.00	4.29	2.00	13.41

MPCB_REC6
Month Prenatal Care Began Recode 6

Location: 122-122 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	1st to 2nd month	2140072	52.0 %	63.7%
2	3rd month	625596	15.2 %	18.6%
3	4th to 6th month	410791	10.0 %	12.2%
4	7th to final month	83756	2.0 %	2.5%
5	No prenatal care	34582	0.8 %	1.0%
6	Unknown or not stated	65277	1.6 %	1.9%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	6.00	1.64	1.00	1.07

MPCB_REC5
Month Prenatal Care Began Recode 5

Location: 123-123 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	1st trimester (1st to 3rd month)	2765668	67.1 %	82.3%
2	2nd trimester (4th to 6th month)	410791	10.0 %	12.2%
3	3rd trimester (7th to final month)	83756	2.0 %	2.5%
4	No prenatal care	34582	0.8 %	1.0%
5	Unknown or not stated	65277	1.6 %	1.9%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	5.00	1.28	1.00	0.74

- Study 04707 -

UPREVIS	Number of Prenatal Visits				
Location:	124-125 (width: 2; decimal: 0)				
Variable Type:	numeric (ISO)				
Interval:	discrete				
<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>	
0	-	43991	1.1 %	1.1%	
1	-	16095	0.4 %	0.4%	
2	-	25234	0.6 %	0.6%	
3	-	35296	0.9 %	0.9%	
4	-	51662	1.3 %	1.3%	
5	-	76730	1.9 %	1.9%	
6	-	112964	2.7 %	2.7%	
7	-	134202	3.3 %	3.3%	
8	-	223068	5.4 %	5.4%	
9	-	238845	5.8 %	5.8%	
10	-	583323	14.2 %	14.2%	
11	-	320602	7.8 %	7.8%	
12	-	733968	17.8 %	17.8%	
13	-	329755	8.0 %	8.0%	
14	-	338398	8.2 %	8.2%	
15	-	337068	8.2 %	8.2%	
16	-	125841	3.1 %	3.1%	
17	-	43938	1.1 %	1.1%	
18	-	53926	1.3 %	1.3%	
19	-	15359	0.4 %	0.4%	
20	-	76311	1.9 %	1.9%	
21	-	7092	0.2 %	0.2%	
22	-	6633	0.2 %	0.2%	
23	-	3691	0.1 %	0.1%	
24	-	4599	0.1 %	0.1%	
25	-	11716	0.3 %	0.3%	
26	-	1834	0.0 %	0.0%	
27	-	1125	0.0 %	0.0%	
28	-	1187	0.0 %	0.0%	
29	-	513	0.0 %	0.0%	
30	-	7191	0.2 %	0.2%	
31	-	334	0.0 %	0.0%	
32	-	517	0.0 %	0.0%	
33	-	249	0.0 %	0.0%	
34	-	380	0.0 %	0.0%	
35	-	986	0.0 %	0.0%	

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
36	-	548	0.0 %	0.0%
37	-	256	0.0 %	0.0%
38	-	444	0.0 %	0.0%
39	-	402	0.0 %	0.0%
40	-	1638	0.0 %	0.0%
41	-	111	0.0 %	0.0%
42	-	74	0.0 %	0.0%
43	-	26	0.0 %	0.0%
44	-	39	0.0 %	0.0%
45	-	197	0.0 %	0.0%
46	-	23	0.0 %	0.0%
47	-	18	0.0 %	0.0%
48	-	63	0.0 %	0.0%
49	-	1259	0.0 %	0.0%
99	Unknown or not stated	149186	3.6 %	3.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	14.64	12.00	16.82

PREVIS_REC

Number of Prenatal Visits Recode

Location: 126-127 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	No visits	43991	1.1 %	1.1%
2	1 to 2 visits	41329	1.0 %	1.0%
3	3 to 4 visits	86958	2.1 %	2.1%
4	5 to 6 visits	189694	4.6 %	4.6%
5	7 to 8 visits	357270	8.7 %	8.7%
6	9 to 10 visits	822168	20.0 %	20.0%
7	11 to 12 visits	1054570	25.6 %	25.6%
8	13 to 14 visits	668153	16.2 %	16.2%
9	15 to 16 visits	462909	11.2 %	11.2%
10	17 to 18 visits	97864	2.4 %	2.4%
11	19 or more visits	144815	3.5 %	3.5%
12	Unknown or not stated	149186	3.6 %	3.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	12.00	7.07	7.00	2.05

APNCU

Adequacy of Prenatal Care Utilization Index (Revised)

- Study 04707 -

Location: 128-128 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Inadequate	114003	2.8 %	15.0%
2	Intermediate	84140	2.0 %	11.1%
3	Adequate	253801	6.2 %	33.4%
4	Adequate +	232840	5.7 %	30.7%
5	Unknown	0	0.0 %	-
9	9: Unknown Code	74049	1.8 %	9.8%
. (M)	-	3360074	81.6 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stddev</i>
758833	3360074	1.00	9.00	3.48	3.00	2.07

WTGAIN

Weight gain

Location: 129-130 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Weight gain in pounds

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	74217	1.8 %	1.8%
1	-	6041	0.1 %	0.1%
2	-	8767	0.2 %	0.2%
3	-	9331	0.2 %	0.2%
4	-	10260	0.2 %	0.2%
5	-	16657	0.4 %	0.4%
6	-	14059	0.3 %	0.3%
7	-	14690	0.4 %	0.4%
8	-	18116	0.4 %	0.4%
9	-	15219	0.4 %	0.4%
10	-	58012	1.4 %	1.4%
11	-	21659	0.5 %	0.5%
12	-	35084	0.9 %	0.9%
13	-	27664	0.7 %	0.7%
14	-	32055	0.8 %	0.8%
15	-	76127	1.8 %	1.8%
16	-	38173	0.9 %	0.9%
17	-	39097	0.9 %	0.9%
18	-	49857	1.2 %	1.2%
19	-	36699	0.9 %	0.9%
20	-	193815	4.7 %	4.7%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
21	-	50711	1.2 %	1.2%
22	-	72138	1.8 %	1.8%
23	-	67020	1.6 %	1.6%
24	-	66049	1.6 %	1.6%
25	-	191942	4.7 %	4.7%
26	-	73743	1.8 %	1.8%
27	-	71050	1.7 %	1.7%
28	-	83997	2.0 %	2.0%
29	-	56208	1.4 %	1.4%
30	-	291711	7.1 %	7.1%
31	-	59915	1.5 %	1.5%
32	-	86459	2.1 %	2.1%
33	-	70183	1.7 %	1.7%
34	-	66222	1.6 %	1.6%
35	-	170664	4.1 %	4.1%
36	-	61680	1.5 %	1.5%
37	-	56228	1.4 %	1.4%
38	-	62031	1.5 %	1.5%
39	-	41234	1.0 %	1.0%
40	-	195584	4.7 %	4.7%
41	-	35219	0.9 %	0.9%
42	-	45948	1.1 %	1.1%
43	-	37978	0.9 %	0.9%
44	-	32645	0.8 %	0.8%
45	-	81135	2.0 %	2.0%
46	-	27428	0.7 %	0.7%
47	-	24795	0.6 %	0.6%
48	-	26210	0.6 %	0.6%
49	-	16697	0.4 %	0.4%
50	-	95999	2.3 %	2.3%
51	-	14564	0.4 %	0.4%
52	-	17921	0.4 %	0.4%
53	-	14925	0.4 %	0.4%
54	-	13682	0.3 %	0.3%
55	-	27337	0.7 %	0.7%
56	-	11281	0.3 %	0.3%
57	-	9187	0.2 %	0.2%
58	-	9477	0.2 %	0.2%
59	-	6128	0.1 %	0.1%
60	-	36947	0.9 %	0.9%
61	-	5345	0.1 %	0.1%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
62	-	6148	0.1 %	0.1%
63	-	5220	0.1 %	0.1%
64	-	4866	0.1 %	0.1%
65	-	11637	0.3 %	0.3%
66	-	3581	0.1 %	0.1%
67	-	3263	0.1 %	0.1%
68	-	3453	0.1 %	0.1%
69	-	2206	0.1 %	0.1%
70	-	11946	0.3 %	0.3%
71	-	1838	0.0 %	0.0%
72	-	2045	0.0 %	0.0%
73	-	1796	0.0 %	0.0%
74	-	1511	0.0 %	0.0%
75	-	3925	0.1 %	0.1%
76	-	1274	0.0 %	0.0%
77	-	1097	0.0 %	0.0%
78	-	1172	0.0 %	0.0%
79	-	721	0.0 %	0.0%
80	-	4552	0.1 %	0.1%
81	-	611	0.0 %	0.0%
82	-	655	0.0 %	0.0%
83	-	574	0.0 %	0.0%
84	-	526	0.0 %	0.0%
85	-	1109	0.0 %	0.0%
86	-	428	0.0 %	0.0%
87	-	338	0.0 %	0.0%
88	-	394	0.0 %	0.0%
89	-	280	0.0 %	0.0%
90	-	1358	0.0 %	0.0%
91	-	225	0.0 %	0.0%
92	-	228	0.0 %	0.0%
93	-	213	0.0 %	0.0%
94	-	182	0.0 %	0.0%
95	-	399	0.0 %	0.0%
96	-	170	0.0 %	0.0%
97	-	155	0.0 %	0.0%
98	98 pounds and over	2996	0.1 %	0.1%
99	Unknown or not stated	754599	18.3 %	18.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	43.30	34.00	29.36

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WTGAIN_REC		Weight gain Recode					
Location:	131-131 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>			Frequency	%	Valid %	
1	Less than 16 pounds			437958	10.6 %	10.6%	
2	16 to 20 pounds			357641	8.7 %	8.7%	
3	21 to 25 pounds			447860	10.9 %	10.9%	
4	26 to 30 pounds			576709	14.0 %	14.0%	
5	31 to 35 pounds			453443	11.0 %	11.0%	
6	36 to 40 pounds			416757	10.1 %	10.1%	
7	41 to 45 pounds			232925	5.7 %	5.7%	
8	46 or more pounds			441015	10.7 %	10.7%	
9	Unknown or not stated			754599	18.3 %	18.3%	
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	1.00	9.00	5.23	5.00	2.69	
U_APNCU		Adequacy of Prenatal Care Utilization Index (Unrevised)					
Location:	132-132 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>			Frequency	%	Valid %	
1	Inadequate			361836	8.8 %	10.8%	
2	Intermediate			444460	10.8 %	13.2%	
3	Adequate			1382482	33.6 %	41.1%	
4	Adequate +			1055447	25.6 %	31.4%	
5	Unknown			0	0.0 %	-	
9	9: Unknown Code			115849	2.8 %	3.4%	
. (M)	-			758833	18.4 %	-	
Valid	Invalid	Min	Max	Mean	Median	Stdev	
3360074	758833	1.00	9.00	3.17	3.00	1.45	
DFPC_IMP		Day of Date First Prenatal Care Imputed					
Location:	133-133 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>			Frequency	%	Valid %	
1	Day of date first prenatal care imputed			51525	1.3 %	100.0%	
. (M)	-			4067382	98.7 %	-	

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
51525	4067382	1.00	1.00	1.00	1.00	0.00

CIG_0

Cigarettes Before Pregnancy

Location: 134-135 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Number of cigarettes daily

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	458051	11.1 %	79.7%
1	-	1770	0.0 %	0.3%
2	-	2774	0.1 %	0.5%
3	-	3656	0.1 %	0.6%
4	-	2665	0.1 %	0.5%
5	-	6898	0.2 %	1.2%
6	-	2449	0.1 %	0.4%
7	-	1616	0.0 %	0.3%
8	-	1390	0.0 %	0.2%
9	-	239	0.0 %	0.0%
10	-	28803	0.7 %	5.0%
11	-	90	0.0 %	0.0%
12	-	978	0.0 %	0.2%
13	-	99	0.0 %	0.0%
14	-	93	0.0 %	0.0%
15	-	3150	0.1 %	0.5%
16	-	48	0.0 %	0.0%
17	-	40	0.0 %	0.0%
18	-	83	0.0 %	0.0%
19	-	153	0.0 %	0.0%
20	-	44046	1.1 %	7.7%
21	-	15	0.0 %	0.0%
22	-	15	0.0 %	0.0%
23	-	9	0.0 %	0.0%
24	-	77	0.0 %	0.0%
25	-	309	0.0 %	0.1%
26	-	6	0.0 %	0.0%
27	-	4	0.0 %	0.0%
28	-	5	0.0 %	0.0%
29	-	1	0.0 %	0.0%
30	-	4165	0.1 %	0.7%
31	-	3	0.0 %	0.0%
32	-	7	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
33	-	4	0.0 %	0.0%
34	-	3	0.0 %	0.0%
35	-	47	0.0 %	0.0%
36	-	19	0.0 %	0.0%
38	-	2	0.0 %	0.0%
39	-	2	0.0 %	0.0%
40	-	5093	0.1 %	0.9%
41	-	1	0.0 %	0.0%
42	-	3	0.0 %	0.0%
44	-	2	0.0 %	0.0%
45	-	23	0.0 %	0.0%
46	-	2	0.0 %	0.0%
47	-	1	0.0 %	0.0%
48	-	7	0.0 %	0.0%
50	-	159	0.0 %	0.0%
51	-	1	0.0 %	0.0%
60	-	589	0.0 %	0.1%
63	-	1	0.0 %	0.0%
65	-	1	0.0 %	0.0%
70	-	4	0.0 %	0.0%
77	-	1	0.0 %	0.0%
80	-	149	0.0 %	0.0%
84	-	1	0.0 %	0.0%
90	-	38	0.0 %	0.0%
98	98 or more cigarettes daily	114	0.0 %	0.0%
99	Unknown or not stated	4636	0.1 %	0.8%
. (M)	-	3544297	86.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
574610	3544297	0.00	99.00	3.85	0.00	11.52

CIG_1

Cigarettes 1st Trimester

Location: 136-137 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Number of cigarettes daily

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	480851	11.7 %	83.7%
1	-	2185	0.1 %	0.4%
2	-	3713	0.1 %	0.6%
3	-	4578	0.1 %	0.8%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
4	-	3056	0.1 %	0.5%
5	-	8721	0.2 %	1.5%
6	-	2544	0.1 %	0.4%
7	-	1714	0.0 %	0.3%
8	-	1466	0.0 %	0.3%
9	-	244	0.0 %	0.0%
10	-	28868	0.7 %	5.0%
11	-	71	0.0 %	0.0%
12	-	615	0.0 %	0.1%
13	-	79	0.0 %	0.0%
14	-	81	0.0 %	0.0%
15	-	2900	0.1 %	0.5%
16	-	32	0.0 %	0.0%
17	-	30	0.0 %	0.0%
18	-	73	0.0 %	0.0%
19	-	159	0.0 %	0.0%
20	-	23975	0.6 %	4.2%
21	-	7	0.0 %	0.0%
22	-	3	0.0 %	0.0%
23	-	5	0.0 %	0.0%
24	-	30	0.0 %	0.0%
25	-	116	0.0 %	0.0%
26	-	2	0.0 %	0.0%
27	-	4	0.0 %	0.0%
28	-	3	0.0 %	0.0%
30	-	1634	0.0 %	0.3%
31	-	2	0.0 %	0.0%
32	-	2	0.0 %	0.0%
33	-	2	0.0 %	0.0%
34	-	2	0.0 %	0.0%
35	-	11	0.0 %	0.0%
36	-	4	0.0 %	0.0%
40	-	1572	0.0 %	0.3%
45	-	15	0.0 %	0.0%
48	-	2	0.0 %	0.0%
50	-	41	0.0 %	0.0%
51	-	1	0.0 %	0.0%
59	-	1	0.0 %	0.0%
60	-	192	0.0 %	0.0%
66	-	1	0.0 %	0.0%
70	-	1	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
75	-	1	0.0 %	0.0%
80	-	45	0.0 %	0.0%
84	-	1	0.0 %	0.0%
90	-	15	0.0 %	0.0%
98	98 or more cigarettes daily	48	0.0 %	0.0%
99	Unknown or not stated	4892	0.1 %	0.9%
. (M)	-	3544297	86.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
574610	3544297	0.00	99.00	2.74	0.00	10.51

CIG_2

Cigarettes 2nd Trimester

Location: 138-139 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Question: Number of cigarettes daily

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	491141	11.9 %	85.5%
1	-	2192	0.1 %	0.4%
2	-	3558	0.1 %	0.6%
3	-	4462	0.1 %	0.8%
4	-	3099	0.1 %	0.5%
5	-	9194	0.2 %	1.6%
6	-	2663	0.1 %	0.5%
7	-	1832	0.0 %	0.3%
8	-	1499	0.0 %	0.3%
9	-	237	0.0 %	0.0%
10	-	27821	0.7 %	4.8%
11	-	67	0.0 %	0.0%
12	-	486	0.0 %	0.1%
13	-	65	0.0 %	0.0%
14	-	50	0.0 %	0.0%
15	-	2313	0.1 %	0.4%
16	-	27	0.0 %	0.0%
17	-	23	0.0 %	0.0%
18	-	44	0.0 %	0.0%
19	-	156	0.0 %	0.0%
20	-	16546	0.4 %	2.9%
21	-	7	0.0 %	0.0%
22	-	7	0.0 %	0.0%
23	-	4	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
24	-	14	0.0 %	0.0%
25	-	75	0.0 %	0.0%
26	-	3	0.0 %	0.0%
27	-	2	0.0 %	0.0%
30	-	1046	0.0 %	0.2%
33	-	2	0.0 %	0.0%
34	-	1	0.0 %	0.0%
35	-	11	0.0 %	0.0%
36	-	3	0.0 %	0.0%
40	-	767	0.0 %	0.1%
42	-	1	0.0 %	0.0%
45	-	6	0.0 %	0.0%
48	-	2	0.0 %	0.0%
50	-	17	0.0 %	0.0%
55	-	1	0.0 %	0.0%
60	-	114	0.0 %	0.0%
70	-	2	0.0 %	0.0%
80	-	31	0.0 %	0.0%
89	-	1	0.0 %	0.0%
90	-	10	0.0 %	0.0%
98	98 or more cigarettes daily	35	0.0 %	0.0%
99	Unknown or not stated	4973	0.1 %	0.9%
. (M)	-	3544297	86.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
574610	3544297	0.00	99.00	2.36	0.00	10.19

CIG_3
Cigarettes 3rd Trimester

Location: 140-141 (width: 2; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete
 Question: Number of cigarettes daily

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	493283	12.0 %	85.8%
1	-	2782	0.1 %	0.5%
2	-	4236	0.1 %	0.7%
3	-	5022	0.1 %	0.9%
4	-	3374	0.1 %	0.6%
5	-	9427	0.2 %	1.6%
6	-	2689	0.1 %	0.5%
7	-	1761	0.0 %	0.3%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
8	-	1346	0.0 %	0.2%
9	-	191	0.0 %	0.0%
10	-	25706	0.6 %	4.5%
11	-	64	0.0 %	0.0%
12	-	411	0.0 %	0.1%
13	-	68	0.0 %	0.0%
14	-	41	0.0 %	0.0%
15	-	1934	0.0 %	0.3%
16	-	20	0.0 %	0.0%
17	-	15	0.0 %	0.0%
18	-	37	0.0 %	0.0%
19	-	155	0.0 %	0.0%
20	-	15221	0.4 %	2.6%
21	-	7	0.0 %	0.0%
22	-	3	0.0 %	0.0%
23	-	7	0.0 %	0.0%
24	-	15	0.0 %	0.0%
25	-	65	0.0 %	0.0%
26	-	4	0.0 %	0.0%
27	-	2	0.0 %	0.0%
30	-	913	0.0 %	0.2%
33	-	2	0.0 %	0.0%
34	-	1	0.0 %	0.0%
35	-	9	0.0 %	0.0%
36	-	2	0.0 %	0.0%
40	-	681	0.0 %	0.1%
41	-	2	0.0 %	0.0%
45	-	8	0.0 %	0.0%
48	-	2	0.0 %	0.0%
50	-	20	0.0 %	0.0%
51	-	1	0.0 %	0.0%
52	-	1	0.0 %	0.0%
55	-	1	0.0 %	0.0%
60	-	96	0.0 %	0.0%
70	-	2	0.0 %	0.0%
80	-	35	0.0 %	0.0%
85	-	1	0.0 %	0.0%
88	-	1	0.0 %	0.0%
89	-	1	0.0 %	0.0%
90	-	8	0.0 %	0.0%
98	98 or more cigarettes daily	46	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
99	Unknown or not stated	4891	0.1 %	0.9%
. (M)	-	3544297	86.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
574610	3544297	0.00	99.00	2.24	0.00	10.06

TOBUSE

Tobacco Use

Location: 142-142 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	285424	6.9 %	8.5%
2	No	2515580	61.1 %	74.9%
9	Unknown or not stated	559070	13.6 %	16.6%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	3.08	2.00	2.66

CIGS

Cigarettes per Day

Location: 143-144 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	2515580	61.1 %	74.9%
1	-	11490	0.3 %	0.3%
2	-	16780	0.4 %	0.5%
3	-	18523	0.4 %	0.6%
4	-	13774	0.3 %	0.4%
5	-	32771	0.8 %	1.0%
6	-	10725	0.3 %	0.3%
7	-	6888	0.2 %	0.2%
8	-	5693	0.1 %	0.2%
9	-	1082	0.0 %	0.0%
10	-	84991	2.1 %	2.5%
11	-	649	0.0 %	0.0%
12	-	3650	0.1 %	0.1%
13	-	588	0.0 %	0.0%
14	-	328	0.0 %	0.0%
15	-	9051	0.2 %	0.3%
16	-	274	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
17	-	251	0.0 %	0.0%
18	-	355	0.0 %	0.0%
19	-	62	0.0 %	0.0%
20	-	36940	0.9 %	1.1%
21	-	348	0.0 %	0.0%
22	-	149	0.0 %	0.0%
23	-	53	0.0 %	0.0%
24	-	214	0.0 %	0.0%
25	-	512	0.0 %	0.0%
26	-	13	0.0 %	0.0%
27	-	17	0.0 %	0.0%
28	-	25	0.0 %	0.0%
29	-	9	0.0 %	0.0%
30	-	2154	0.1 %	0.1%
31	-	17	0.0 %	0.0%
32	-	8	0.0 %	0.0%
33	-	12	0.0 %	0.0%
34	-	12	0.0 %	0.0%
35	-	72	0.0 %	0.0%
36	-	12	0.0 %	0.0%
37	-	2	0.0 %	0.0%
38	-	3	0.0 %	0.0%
39	-	1	0.0 %	0.0%
40	-	996	0.0 %	0.0%
41	-	3	0.0 %	0.0%
42	-	4	0.0 %	0.0%
43	-	1	0.0 %	0.0%
44	-	3	0.0 %	0.0%
45	-	19	0.0 %	0.0%
46	-	4	0.0 %	0.0%
47	-	1	0.0 %	0.0%
48	-	4	0.0 %	0.0%
50	-	55	0.0 %	0.0%
51	-	3	0.0 %	0.0%
52	-	1	0.0 %	0.0%
55	-	2	0.0 %	0.0%
56	-	3	0.0 %	0.0%
57	-	1	0.0 %	0.0%
58	-	2	0.0 %	0.0%
59	-	1	0.0 %	0.0%
60	-	70	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
63	-	1	0.0 %	0.0%
68	-	2	0.0 %	0.0%
70	-	4	0.0 %	0.0%
74	-	1	0.0 %	0.0%
79	-	2	0.0 %	0.0%
80	-	9	0.0 %	0.0%
90	-	4	0.0 %	0.0%
98	98 or more cigarettes daily	0	0.0 %	-
99	Unknown or not stated	584800	14.2 %	17.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	0.00	99.00	17.96	0.00	37.33

CIG_REC6
Cigarettes Recode (Unrevised)

Location: 145-145 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Non-smoker	2515580	61.1 %	74.9%
1	1 to 5 cigarettes daily	93338	2.3 %	2.8%
2	6 to 10 cigarettes daily	109379	2.7 %	3.3%
3	11 to 20 cigarettes daily	52148	1.3 %	1.6%
4	21 to 40 cigarettes daily	4629	0.1 %	0.1%
5	41 or more cigarettes daily	200	0.0 %	0.0%
6	Unknown or not stated	584800	14.2 %	17.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	0.00	6.00	1.19	0.00	2.27

CIG_REC
Cigarettes Recode (Revised)

Location: 146-146 (width: 1; decimal: 0)

Variable Type: character (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
-	-	3544297	86.0 %	86.0%
N	No	478309	11.6 %	11.6%
U	Unknown or not stated	4673	0.1 %	0.1%
Y	Yes	91628	2.2 %	2.2%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	N/A	N/A	N/A	N/A	N/A

ALCOHOL

Alcohol Use

Location: 147-147 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	20386	0.5 %	0.6%
2	No	2780137	67.5 %	82.7%
9	Unknown or not stated	559551	13.6 %	16.7%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	3.16	2.00	2.61

DRINKS

Drinks per Week

Location: 148-149 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	-	2780137	67.5 %	82.7%
1	-	9582	0.2 %	0.3%
2	-	3305	0.1 %	0.1%
3	-	1297	0.0 %	0.0%
4	-	574	0.0 %	0.0%
5	-	601	0.0 %	0.0%
6	-	360	0.0 %	0.0%
7	-	228	0.0 %	0.0%
8	-	72	0.0 %	0.0%
9	-	31	0.0 %	0.0%
10	-	199	0.0 %	0.0%
11	-	4	0.0 %	0.0%
12	-	85	0.0 %	0.0%
13	-	1	0.0 %	0.0%
14	-	48	0.0 %	0.0%
15	-	31	0.0 %	0.0%
16	-	3	0.0 %	0.0%
17	-	2	0.0 %	0.0%
18	-	2	0.0 %	0.0%
20	-	41	0.0 %	0.0%
21	-	22	0.0 %	0.0%

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Value	Label	Frequency	%	Valid %
22	-	3	0.0 %	0.0%
24	-	18	0.0 %	0.0%
25	-	4	0.0 %	0.0%
26	-	5	0.0 %	0.0%
28	-	6	0.0 %	0.0%
30	-	20	0.0 %	0.0%
31	-	2	0.0 %	0.0%
32	-	2	0.0 %	0.0%
33	-	3	0.0 %	0.0%
35	-	4	0.0 %	0.0%
38	-	1	0.0 %	0.0%
40	-	6	0.0 %	0.0%
42	-	14	0.0 %	0.0%
48	-	3	0.0 %	0.0%
50	-	1	0.0 %	0.0%
58	-	1	0.0 %	0.0%
70	-	1	0.0 %	0.0%
75	-	1	0.0 %	0.0%
84	-	1	0.0 %	0.0%
89	-	1	0.0 %	0.0%
90	-	1	0.0 %	0.0%
95	-	1	0.0 %	0.0%
98	98 or more drinks weekly	1	0.0 %	0.0%
99	Unknown or not stated	563349	13.7 %	16.8%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	0.00	99.00	16.61	0.00	36.98

DRINKS_REC

Drinks Recode

Location: 150-150 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Non-drinker	2780137	67.5 %	82.7%
1	1 drink per week	9582	0.2 %	0.3%
2	2 drinks per week	3305	0.1 %	0.1%
3	3-4 drinks per week	1871	0.0 %	0.1%
4	5 or more drinks per week	1830	0.0 %	0.1%
5	Unknown or not stated	563349	13.7 %	16.8%
. (M)	-	758833	18.4 %	-

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	0.00	5.00	0.85	0.00	1.87

URF_ANEMIA
Risk Factors: Anemia

Location: 151-151 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	76158	1.8 %	2.3%
2	No	3271313	79.4 %	97.4%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.00	2.00	0.45

URFARDC
Risk Factors: Cardiac

Location: 152-152 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	12809	0.3 %	0.4%
2	No	3334662	81.0 %	99.2%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.43

URF_LUNG
Risk Factors: Acute or Chronic Lung Disease

Location: 153-153 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	37788	0.9 %	1.1%
2	No	3309683	80.4 %	98.5%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.44

URF_DIAB
Risk Factors: Diabetes

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Location: 154-154 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	146493	3.6 %	3.6%
2	No	3954538	96.0 %	96.0%
9	Unknown	17876	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.99	2.00	0.50

URF_GEN

Risk Factors: Genital herpes

Location: 155-155 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	26238	0.6 %	0.8%
2	No	3321233	80.6 %	98.8%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.44

URF_HYDR

Risk Factors: Hydranmios/Oligohydramnios

Location: 156-156 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	46193	1.1 %	1.4%
2	No	3301278	80.1 %	98.3%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.01	2.00	0.44

URF_HEMO

Risk Factors: Hemoglobinopathy

Location: 157-157 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	2825	0.1 %	0.1%
2	No	3344646	81.2 %	99.5%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.03	2.00	0.43

URF_CHYPER

Risk Factors: Chronic Hypertension

Location: 158-158 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	39396	1.0 %	1.0%
2	No	4061635	98.6 %	98.6%
9	Unknown	17876	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.02	2.00	0.47

URF_PHYPER

Risk Factors: Pregnancy Associated Hypertension

Location: 159-159 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	155363	3.8 %	3.8%
2	No	3945668	95.8 %	95.8%
9	Unknown	17876	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.99	2.00	0.50

URF_ECLAM

Risk Factors: Eclampsia

Location: 160-160 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	11203	0.3 %	0.3%
2	No	4089828	99.3 %	99.3%
9	Unknown	17876	0.4 %	0.4%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.03	2.00	0.46

URF_INCERV
Risk Factors: Incompetent Cervix

Location: 161-161 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	9695	0.2 %	0.3%
2	No	3337776	81.0 %	99.3%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.43

URF_PRE4000
Risk Factors: Previous Infant 4000+ Grams

Location: 162-162 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	30135	0.7 %	0.9%
2	No	3317336	80.5 %	98.7%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.44

URF_PRETERM
Risk Factors: Previous Preterm Small for Gestation

Location: 163-163 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	36536	0.9 %	1.1%
2	No	3310935	80.4 %	98.5%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.44

URF_RENAL
Risk Factors: Renal Disease

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Location: 164-164 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	8798	0.2 %	0.3%
2	No	3338673	81.1 %	99.4%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.43

URF_RH

Risk Factors: Rh Sensitization

Location: 165-165 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	19892	0.5 %	0.6%
2	No	3327579	80.8 %	99.0%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.44

URF_UTERINE

Risk Factors: Uterine Bleeding

Location: 166-166 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	14360	0.3 %	0.4%
2	No	3333111	80.9 %	99.2%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.43

URF_OTHER

Risk Factors: Other medical risk factors

Location: 167-167 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	663582	16.1 %	19.7%
2	No	2683889	65.2 %	79.9%
9	Unknown	12603	0.3 %	0.4%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.83	2.00	0.59

UOP_AMNIO
Obstetric Procedures: Amniocentesis

Location: 168-168 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	50681	1.2 %	1.5%
2	No	3304773	80.2 %	98.4%
9	Unknown or not stated	4620	0.1 %	0.1%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.99	2.00	0.29

UOP_MONIT
Obstetric Procedures: Electronic Fetal Monitoring

Location: 169-169 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	2866513	69.6 %	85.3%
2	No	488941	11.9 %	14.6%
9	Unknown or not stated	4620	0.1 %	0.1%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.16	1.00	0.46

UOP_INDUC
Obstetric Procedures: Induction of Labor

Location: 170-170 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	870635	21.1 %	21.1%
2	No	3240052	78.7 %	78.7%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
9	Unknown or not stated	8220	0.2 %	0.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.80	2.00	0.52

UOP_STIML
Obstetric Procedures: Stimulation of Labor

Location: 171-171 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	547906	13.3 %	16.3%
2	No	2807548	68.2 %	83.6%
9	Unknown or not stated	4620	0.1 %	0.1%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.85	2.00	0.45

UOP_TOCOL
Obstetric Procedures: Tocolysis

Location: 172-172 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	81461	2.0 %	2.0%
2	No	4026862	97.8 %	97.8%
9	Unknown or not stated	10584	0.3 %	0.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.00	2.00	0.38

UOP_ULTRA
Obstetric Procedures: Ultrasound

Location: 173-173 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	2252318	54.7 %	67.0%
2	No	1103136	26.8 %	32.8%
9	Unknown or not stated	4620	0.1 %	0.1%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.34	1.00	0.55

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UOP_OTHER
Obstetric Procedures: Other Obstetric Procedures

Location: 174-174 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	188566	4.6 %	5.6%
2	No	3166888	76.9 %	94.3%
9	Unknown or not stated	4620	0.1 %	0.1%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	1.95	2.00	0.35

ULD_FEBR
Complications of Labor & Delivery: Febrile

Location: 175-175 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	50658	1.2 %	1.5%
2	No	3301407	80.2 %	98.3%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.00	2.00	0.36

ULD_MECO
Complications of Labor & Delivery: Meconium

Location: 176-176 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	198500	4.8 %	4.8%
2	No	3908798	94.9 %	94.9%
9	Unknown or not stated	11609	0.3 %	0.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	9.00	1.97	2.00	0.43

ULD_RUPTR
Complications of Labor & Delivery: Premature Rupture of Membrane

Location: 177-177 (width: 1; decimal: 0)
 Variable Type: numeric (ISO)
 Interval: discrete

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Value	Label	Frequency	%	Valid %
1	Yes	66029	1.6 %	2.0%
2	No	3286036	79.8 %	97.8%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.00	2.00	0.37

ULD_ABRUP
Complications of Labor & Delivery: Abruptio Placenta

Location: 178-178 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	17410	0.4 %	0.5%
2	No	3334655	81.0 %	99.2%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.01	2.00	0.35

ULD_PREPLA
Complications of Labor & Delivery: Placenta Previa

Location: 179-179 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	11075	0.3 %	0.3%
2	No	3340990	81.1 %	99.4%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.01	2.00	0.35

ULD_EXCBL
Complications of Labor & Delivery: Other Excessive Bleeding

Location: 180-180 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	18859	0.5 %	0.6%
2	No	3333206	80.9 %	99.2%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.01	2.00	0.35

ULD_SEIZ
Complications of Labor & Delivery: Seizures During Labor

Location: 181-181 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	984	0.0 %	0.0%
2	No	3351081	81.4 %	99.7%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.34

ULD_PRECIP
Complications of Labor & Delivery: Precipitous Labor

Location: 182-182 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	78580	1.9 %	1.9%
2	No	4024025	97.7 %	97.7%
9	Unknown or not stated	16302	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.01	2.00	0.46

ULD_PROLG
Complications of Labor & Delivery: Prolonged Labor

Location: 183-183 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	23243	0.6 %	0.7%
2	No	3328822	80.8 %	99.1%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.01	2.00	0.35

ULD_DYSFN
Complications of Labor & Delivery: Dysfunctional Labor

Location: 184-184 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	89829	2.2 %	2.7%
2	No	3262236	79.2 %	97.1%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.99	2.00	0.38

ULD_BREECH
Complications of Labor & Delivery: Breech

Location: 185-185 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	170301	4.1 %	4.1%
2	No	3927447	95.4 %	95.4%
9	Unknown or not stated	21159	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.99	2.00	0.54

ULD_CEPHAL
Complications of Labor & Delivery: Cephalopelvic Disproportion

Location: 186-186 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	48833	1.2 %	1.5%
2	No	3303232	80.2 %	98.3%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.00	2.00	0.36

ULD_CORD
Complications of Labor & Delivery: Cord Prolapse

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Location: 187-187 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	5768	0.1 %	0.2%
2	No	3346297	81.2 %	99.6%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.01	2.00	0.34

ULD_ANEST

Complications of Labor & Delivery: Anesthetic Complications

Location: 188-188 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	1563	0.0 %	0.0%
2	No	3350502	81.3 %	99.7%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.34

ULD_DISTR

Complications of Labor & Delivery: Fetal Distress

Location: 189-189 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Yes	110128	2.7 %	3.3%
2	No	3241937	78.7 %	96.5%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	1.98	2.00	0.39

ULD_OTHER

Complications of Labor & Delivery: Other Complications

Location: 190-190 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	516448	12.5 %	15.4%
2	No	2835617	68.8 %	84.4%
9	Unknown or not stated	8009	0.2 %	0.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.86	2.00	0.50

UME_VAG
Method of Delivery: Vaginal

Location: 191-191 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	2908603	70.6 %	70.6%
2	No	1191737	28.9 %	28.9%
9	Unknown or not stated	18567	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.33	1.00	0.69

UME_VBAC
Method of Delivery: Vaginal after C-Section

Location: 192-192 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	45907	1.1 %	1.1%
2	No	4054217	98.4 %	98.4%
9	Unknown or not stated	18783	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.02	2.00	0.48

UME_PRIMC
Method of Delivery: Primary C-Section

Location: 193-193 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	741276	18.0 %	18.0%
2	No	3358848	81.5 %	81.5%
9	Unknown or not stated	18783	0.5 %	0.5%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.85	2.00	0.62

UME_REPEC
Method of Delivery: Repeat C-Section

Location: 194-194 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	450412	10.9 %	10.9%
2	No	3649712	88.6 %	88.6%
9	Unknown or not stated	18783	0.5 %	0.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.92	2.00	0.57

UME_FORCP
Method of Delivery: Forceps

Location: 195-195 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	44061	1.1 %	1.1%
2	No	4057446	98.5 %	98.5%
9	Unknown or not stated	17400	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.02	2.00	0.47

UME_VAC
Method of Delivery: Vacuum

Location: 196-196 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Yes	166971	4.1 %	4.1%
2	No	3934536	95.5 %	95.5%
9	Unknown or not stated	17400	0.4 %	0.4%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	1.99	2.00	0.50

DMETH_REC
Delivery Method Recode

Location: 197-197 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

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Interval:

discrete

Value	Label	Frequency	%	Valid %
1	Vaginal (excludes vaginal after previous C-section)	2862529	69.5 %	69.5%
2	Vaginal after previous c-section	45907	1.1 %	1.1%
3	Primary C-section	741276	18.0 %	18.0%
4	Repeat C-section	450412	10.9 %	10.9%
5	Not stated	18567	0.5 %	0.5%
6	Vaginal (unknown if previous c-section) (2003 Standard only)	167	0.0 %	0.0%
7	C-section (unknown if previous c-section) (2003 Standard only)	49	0.0 %	0.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	7.00	1.72	1.00	1.13

ATTEND

Attendant

Location:

198-198 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
1	Doctor of Medicine (MD)	3575564	86.8 %	86.8%
2	Doctor of Osteopathy (DO)	186125	4.5 %	4.5%
3	Certified Nurse Midwife (CNM)	308366	7.5 %	7.5%
4	Other Midwife	19933	0.5 %	0.5%
5	Other	19894	0.5 %	0.5%
9	Unknown or not stated	9025	0.2 %	0.2%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	9.00	1.25	1.00	0.74

APGAR5

Five Minute APGAR Score

Location:

199-200 (width: 2; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
0	-	1748	0.0 %	0.0%
1	-	6426	0.2 %	0.2%
2	-	3262	0.1 %	0.1%
3	-	3546	0.1 %	0.1%
4	-	4923	0.1 %	0.1%
5	-	8988	0.2 %	0.2%
6	-	19444	0.5 %	0.5%
7	-	51314	1.2 %	1.2%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
8	-	257262	6.2 %	6.2%
9	-	2639513	64.1 %	64.1%
10	-	176643	4.3 %	4.3%
99	Unknown or not stated	945838	23.0 %	23.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	99.00	29.57	9.00	37.91

APGAR5R
Five Minute APGAR Score Recode

Location: 201-201 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	A score of 0-3	14982	0.4 %	0.4%
2	A score of 4-6	33355	0.8 %	0.8%
3	A score of 7-8	308576	7.5 %	7.5%
4	A score of 9-10	2816156	68.4 %	68.4%
5	Unknown or not stated	945838	23.0 %	23.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	5.00	4.13	4.00	0.59

DPLURAL
Plurality Recode

Location: 202-202 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Single	3979274	96.6 %	96.6%
2	Twin	132344	3.2 %	3.2%
3	Triplet	6764	0.2 %	0.2%
4	Quadruplet	439	0.0 %	0.0%
5	Quintuplet or higher	86	0.0 %	0.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	5.00	1.04	1.00	0.20

IMP_PLUR
Plurality Imputed

Location: 203-203 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Plurality is imputed	132	0.0 %	100.0%
. (M)	-	4118775	100.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
132	4118775	1.00	1.00	1.00	1.00	0.00

SEX
Sex of Infant

Location: 204-204 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Male	2108197	51.2 %	51.2%
2	Female	2010710	48.8 %	48.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	2.00	1.49	1.00	0.50

IMP_SEX
Imputed Sex

Location: 205-205 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Infant sex is imputed	86	0.0 %	100.0%
. (M)	-	4118821	100.0 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
86	4118821	1.00	1.00	1.00	1.00	0.00

DLMP_MM
Last Normal Menses - Month

Location: 206-207 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	January	325888	7.9 %	7.9%
2	February	316771	7.7 %	7.7%
3	March	315589	7.7 %	7.7%
4	April	310796	7.5 %	7.5%
5	May	319563	7.8 %	7.8%
6	June	319317	7.8 %	7.8%
7	July	319636	7.8 %	7.8%
8	August	324118	7.9 %	7.9%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
9	September	324294	7.9 %	7.9%
10	October	341816	8.3 %	8.3%
11	November	329689	8.0 %	8.0%
12	December	346710	8.4 %	8.4%
99	Unknown or not stated	224720	5.5 %	5.5%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	99.00	11.62	7.00	21.26

DLMP_DD

Last Normal Menses - Day

Location: 208-209 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	-	226139	5.5 %	5.5%
2	-	105850	2.6 %	2.6%
3	-	124804	3.0 %	3.0%
4	-	110707	2.7 %	2.7%
5	-	155126	3.8 %	3.8%
6	-	102610	2.5 %	2.5%
7	-	106744	2.6 %	2.6%
8	-	103623	2.5 %	2.5%
9	-	93602	2.3 %	2.3%
10	-	164160	4.0 %	4.0%
11	-	93409	2.3 %	2.3%
12	-	116259	2.8 %	2.8%
13	-	98520	2.4 %	2.4%
14	-	107717	2.6 %	2.6%
15	-	263245	6.4 %	6.4%
16	-	104082	2.5 %	2.5%
17	-	108675	2.6 %	2.6%
18	-	105251	2.6 %	2.6%
19	-	91572	2.2 %	2.2%
20	-	182205	4.4 %	4.4%
21	-	94675	2.3 %	2.3%
22	-	99908	2.4 %	2.4%
23	-	108671	2.6 %	2.6%
24	-	101042	2.5 %	2.5%
25	-	153296	3.7 %	3.7%
26	-	108882	2.6 %	2.6%
27	-	102590	2.5 %	2.5%

- Study 04707 -

Value	Label	Frequency	%	Valid %
28	-	131434	3.2 %	3.2%
29	-	80278	1.9 %	1.9%
30	-	99550	2.4 %	2.4%
31	-	44974	1.1 %	1.1%
99	Unknown or not stated	429307	10.4 %	10.4%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	99.00	23.82	16.00	26.97

DLMP_YY
Last Normal Menses - Year

Location: 210-213 (width: 4; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
2002	-	2161	0.1 %	0.1%
2003	-	2910927	70.7 %	70.7%
2004	-	986730	24.0 %	24.0%
9999	Unknown or not stated	219089	5.3 %	5.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	2002.00	9999.00	2428.55	2003.00	1794.36

ESTGEST
Obstetric/Clinical Gestation Estimate

Location: 214-215 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
10	-	1	0.0 %	0.0%
15	-	6	0.0 %	0.0%
16	-	17	0.0 %	0.0%
17	-	211	0.0 %	0.0%
18	-	404	0.0 %	0.0%
19	-	685	0.0 %	0.0%
20	-	1371	0.0 %	0.0%
21	-	1615	0.0 %	0.0%
22	-	2141	0.1 %	0.1%
23	-	2880	0.1 %	0.1%
24	-	3835	0.1 %	0.1%
25	-	4219	0.1 %	0.1%
26	-	4712	0.1 %	0.1%
27	-	5110	0.1 %	0.1%

- Study 04707 -

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
28	-	6458	0.2 %	0.2%
29	-	7346	0.2 %	0.2%
30	-	10084	0.2 %	0.2%
31	-	12023	0.3 %	0.3%
32	-	19043	0.5 %	0.5%
33	-	26199	0.6 %	0.6%
34	-	45410	1.1 %	1.1%
35	-	76085	1.8 %	1.8%
36	-	153904	3.7 %	3.7%
37	-	314295	7.6 %	7.6%
38	-	712496	17.3 %	17.3%
39	-	1007628	24.5 %	24.5%
40	-	871218	21.2 %	21.2%
41	-	244541	5.9 %	5.9%
42	-	22815	0.6 %	0.6%
43	-	1202	0.0 %	0.0%
44	-	263	0.0 %	0.0%
45	-	74	0.0 %	0.0%
46	-	18	0.0 %	0.0%
47	-	135	0.0 %	0.0%
48	-	2	0.0 %	0.0%
50	-	1	0.0 %	0.0%
99	Unknown or not stated	560460	13.6 %	13.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	10.00	99.00	46.70	39.00	20.86

COMBGEST

Gestation - Detail in Weeks

Location: 216-217 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
17	-	292	0.0 %	0.0%
18	-	499	0.0 %	0.0%
19	-	780	0.0 %	0.0%
20	-	1382	0.0 %	0.0%
21	-	1812	0.0 %	0.0%
22	-	2367	0.1 %	0.1%
23	-	3096	0.1 %	0.1%
24	-	4010	0.1 %	0.1%
25	-	4716	0.1 %	0.1%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
26	-	5702	0.1 %	0.1%
27	-	6044	0.1 %	0.1%
28	-	8268	0.2 %	0.2%
29	-	10280	0.2 %	0.2%
30	-	14282	0.3 %	0.3%
31	-	18190	0.4 %	0.4%
32	-	26066	0.6 %	0.6%
33	-	38749	0.9 %	0.9%
34	-	65793	1.6 %	1.6%
35	-	108190	2.6 %	2.6%
36	-	188397	4.6 %	4.6%
37	-	367119	8.9 %	8.9%
38	-	742236	18.0 %	18.0%
39	-	1024897	24.9 %	24.9%
40	-	801962	19.5 %	19.5%
41	-	377874	9.2 %	9.2%
42	-	123725	3.0 %	3.0%
43	-	64442	1.6 %	1.6%
44	-	33298	0.8 %	0.8%
45	-	17028	0.4 %	0.4%
46	-	8953	0.2 %	0.2%
47	-	5411	0.1 %	0.1%
99	Unknown	43047	1.0 %	1.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	17.00	99.00	39.24	39.00	6.66

GESTREC10

Gestation Recode 10

Location: 218-219 (width: 2; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Under 20 weeks	1571	0.0 %	0.0%
2	20-27 weeks	29129	0.7 %	0.7%
3	28-31 weeks	51020	1.2 %	1.2%
4	32-35 weeks	238798	5.8 %	5.8%
5	36 weeks	188397	4.6 %	4.6%
6	37-39 weeks	2134252	51.8 %	51.8%
7	40 weeks	801962	19.5 %	19.5%
8	41 weeks	377874	9.2 %	9.2%
9	42 weeks and over	252857	6.1 %	6.1%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
10	Unknown	43047	1.0 %	1.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	10.00	6.38	6.00	1.29

GESTREC3
Gestation Recode 3

Location: 220-220 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Under 37 weeks	508915	12.4 %	12.4%
2	37 weeks and over	3566945	86.6 %	86.6%
3	Not stated	43047	1.0 %	1.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	3.00	1.89	2.00	0.35

OBGEST_FLG
Clinical Estimate of Gestation Used Flag

Location: 221-221 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Clinical Estimate is used	210120	5.1 %	100.0%
. (M)	-	3908787	94.9 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
210120	3908787	1.00	1.00	1.00	1.00	0.00

GEST_IMP
Gestation Imputed Flag

Location: 222-222 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Gestation is imputed	34253	0.8 %	100.0%
. (M)	-	4084654	99.2 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
34253	4084654	1.00	1.00	1.00	1.00	0.00

DBWT
Birth Weight - Detail in Grams

Location: 223-226 (width: 4; decimal: 0)

Variable Type: numeric (ISO)

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Interval:

discrete

Value	Label
9999	Unknown or not stated

* Frequencies not displayed for this variable.

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	227.00	9999.00	3287.96	-	634.78

BWTR12 Birth Weight Recode 12

Location:

227-228 (width: 2; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
1	499 grams or less	6288	0.2 %	0.2%
2	500 - 999 grams	23455	0.6 %	0.6%
3	1000 - 1499 grams	30956	0.8 %	0.8%
4	1500 -1999 grams	65770	1.6 %	1.6%
5	2000 - 2499 grams	205669	5.0 %	5.0%
6	2500 - 2999 grams	730942	17.7 %	17.7%
7	3000 - 3400 grams	1576070	38.3 %	38.3%
8	3500 - 3999 grams	1126444	27.3 %	27.3%
9	4000 - 4499 grams	299507	7.3 %	7.3%
10	4500 - 4999 grams	44956	1.1 %	1.1%
11	5000 - 8165 grams	5017	0.1 %	0.1%
12	Not Stated	3833	0.1 %	0.1%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	12.00	7.07	7.00	1.24

BWTR4 Birth Weight Recode 4

Location:

229-229 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
1	1499 grams or less	60699	1.5 %	1.5%
2	1500 - 2499 grams	271439	6.6 %	6.6%
3	2500 grams or more	3782936	91.8 %	91.8%
4	Unknown or not stated	3833	0.1 %	0.1%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	4.00	2.91	3.00	0.34

UAB_ANEM

Abnormal Conditions of Newborn: Anemia

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Location: 230-230 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Complication reported	3073	0.1 %	0.1%
2	Complication not reported	3345489	81.2 %	99.6%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.41

UAB_INJURY

Abnormal Conditions of Newborn: Birth Injury

Location: 231-231 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Complication reported	7892	0.2 %	0.2%
2	Complication not reported	3340670	81.1 %	99.4%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.41

UAB_ALCOH

Abnormal Conditions of Newborn: Fetal Alcohol Syndrome

Location: 232-232 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Complication reported	96	0.0 %	0.0%
2	Complication not reported	3348466	81.3 %	99.7%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.02	2.00	0.41

UAB_HYAL

Abnormal Conditions of Newborn: Hyaline Membrane Disease

Location: 233-233 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Complication reported	19251	0.5 %	0.6%
2	Complication not reported	3329311	80.8 %	99.1%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.42

UAB_MECON
Abnormal Conditions of Newborn: Meconium Aspiration Syndrome

Location: 234-234 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Complication reported	4501	0.1 %	0.1%
2	Complication not reported	3344061	81.2 %	99.5%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.41

UAB_VENL30
Abnormal Conditions of Newborn: Assisted Ventilation < 30 min

Location: 235-235 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Complication reported	58136	1.4 %	1.7%
2	Complication not reported	3290426	79.9 %	97.9%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.01	2.00	0.43

UAB_VEN30M
Abnormal Conditions of Newborn: Assisted Ventilation >= 30 min

Location: 236-236 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Complication reported	29139	0.7 %	0.9%
2	Complication not reported	3319423	80.6 %	98.8%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.42

UAB_NSEIZ
Abnormal Conditions of Newborn: Seizures

Location: 237-237 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Complication reported	1495	0.0 %	0.0%
2	Complication not reported	3347067	81.3 %	99.6%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.02	2.00	0.41

UAB_OTHER
Abnormal Conditions of Newborn: Other Abnormal Conditions

Location: 238-238 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Complication reported	146378	3.6 %	4.4%
2	Complication not reported	3202184	77.7 %	95.3%
9	Complication not classifiable	11512	0.3 %	0.3%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	1.98	2.00	0.46

UCA_ANEN
Congenital Anomalies of Newborn: Anencephalus

Location: 239-239 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	441	0.0 %	0.0%
2	Anomaly not reported	4070479	98.8 %	98.8%
9	Anomaly not classifiable	47987	1.2 %	1.2%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.08	2.00	0.75

UCA_SPINA
Congenital Anomalies of Newborn: Spina bifida/Meningocele

Location: 240-240 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	788	0.0 %	0.0%
2	Anomaly not reported	4070132	98.8 %	98.8%
9	Anomaly not classifiable	47987	1.2 %	1.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.08	2.00	0.75

UCA_HYDRO
Congenital Anomalies of Newborn: Hydrocephalus

Location: 241-241 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	744	0.0 %	0.0%
2	Anomaly not reported	3318603	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_MICRO
Congenital Anomalies of Newborn: Microcephalus

Location: 242-242 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	227	0.0 %	0.0%
2	Anomaly not reported	3319120	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_NERV
Congenital Anomalies of Newborn: Other Central Nervous System Anomalies

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Location: 243-243 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	708	0.0 %	0.0%
2	Anomaly not reported	3318639	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_HEART

Congenital Anomalies of Newborn: Heart Malformations

Location: 244-244 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	4558	0.1 %	0.1%
2	Anomaly not reported	3314789	80.5 %	98.7%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_CIRC

Congenital Anomalies of Newborn: Other Circulatory/Respiratory Anomalies

Location: 245-245 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	4452	0.1 %	0.1%
2	Anomaly not reported	3314895	80.5 %	98.7%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_RECTAL

Congenital Anomalies of Newborn: Rectal Atresia/Stenosis

Location: 246-246 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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Value	Label	Frequency	%	Valid %
1	Anomaly reported	287	0.0 %	0.0%
2	Anomaly not reported	3319060	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_TRACH
Congenital Anomalies of Newborn: Tracheo-Esophageal Fistula

Location: 247-247 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	392	0.0 %	0.0%
2	Anomaly not reported	3318955	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_OMPMA
Congenital Anomalies of Newborn: Omphalocele/Gastroschisis

Location: 248-248 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	1297	0.0 %	0.0%
2	Anomaly not reported	4069623	98.8 %	98.8%
9	Anomaly not classifiable	47987	1.2 %	1.2%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	9.00	2.08	2.00	0.75

UCA_GASTRO
Congenital Anomalies of Newborn: Other Gastrointestinal Anomalies

Location: 249-249 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	1122	0.0 %	0.0%
2	Anomaly not reported	3318225	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_GENITAL
Congenital Anomalies of Newborn: Malformed Genitalia

Location: 250-250 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	2651	0.1 %	0.1%
2	Anomaly not reported	3316696	80.5 %	98.7%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_RENAL
Congenital Anomalies of Newborn: Renal Agenesis

Location: 251-251 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	454	0.0 %	0.0%
2	Anomaly not reported	3318893	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_UROGEN
Congenital Anomalies of Newborn: Other Urogenital Anomalies

Location: 252-252 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	2953	0.1 %	0.1%
2	Anomaly not reported	3316394	80.5 %	98.7%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_CELFTLP
Congenital Anomalies of Newborn: Cleft Lip/Palate

Location: 253-253 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	3159	0.1 %	0.1%
2	Anomaly not reported	4067761	98.8 %	98.8%
9	Anomaly not classifiable	47987	1.2 %	1.2%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	1.00	9.00	2.08	2.00	0.75

UCA_ADACTY
Congenital Anomalies of Newborn: Polydactyly/Syndactyly/Adactyly

Location: 254-254 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	2477	0.1 %	0.1%
2	Anomaly not reported	3316870	80.5 %	98.7%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_CLUBFT
Congenital Anomalies of Newborn: Club Foot

Location: 255-255 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	1856	0.0 %	0.1%
2	Anomaly not reported	3317491	80.5 %	98.7%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_HERNIA
Congenital Anomalies of Newborn: Diaphragmatic Hernia

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Location: 256-256 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	350	0.0 %	0.0%
2	Anomaly not reported	3318997	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_MUSCU

Congenital Anomalies of Newborn: Other Musculoskeletal Anomalies

Location: 257-257 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	6919	0.2 %	0.2%
2	Anomaly not reported	3312428	80.4 %	98.6%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

Valid	Invalid	Min	Max	Mean	Median	Stdev
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_DOWNS

Congenital Anomalies of Newborn: Downs Syndrome

Location: 258-258 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	1948	0.0 %	0.0%
2	Anomaly not reported	4068972	98.8 %	98.8%
9	Anomaly not classifiable	47987	1.2 %	1.2%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	1.00	9.00	2.08	2.00	0.75

UCA_CHROM

Congenital Anomalies of Newborn: Other Chromosomal Anomalies

Location: 259-259 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
1	Anomaly reported	965	0.0 %	0.0%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
2	Anomaly not reported	3318382	80.6 %	98.8%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

UCA_OTHER
Congenital Anomalies of Newborn: Other Congenital Anomalies

Location: 260-260 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Anomaly reported	11984	0.3 %	0.4%
2	Anomaly not reported	3307363	80.3 %	98.4%
9	Anomaly not classifiable	40727	1.0 %	1.2%
. (M)	-	758833	18.4 %	-

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
3360074	758833	1.00	9.00	2.08	2.00	0.77

F_MORIGIN
Reporting Flags: Origin of Mother

Location: 261-261 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	6835	0.2 %	0.2%
1	Reporting	4112072	99.8 %	99.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

F_FORIGIN
Reporting Flags: Origin of Father

Location: 262-262 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	6835	0.2 %	0.2%
1	Reporting	4112072	99.8 %	99.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

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F_MEDUC		Reporting Flags: Education of Mother					
Location:		263-263 (width: 1; decimal: 0)					
Variable Type:		numeric (ISO)					
Interval:		discrete					
		<i>Value</i>		<i>Label</i>		<i>Frequency</i>	<i>%</i>
		0		Not reporting		3547049	86.1 %
		1		Reporting		571858	13.9 %
		<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>
		4118907	0	0.00	1.00	0.14	0.00
						<i>Stdev</i>	
						0.35	
F_CLINEST		Reporting Flags: Clinical Estimate of Gestation					
Location:		264-264 (width: 1; decimal: 0)					
Variable Type:		numeric (ISO)					
Interval:		discrete					
		<i>Value</i>		<i>Label</i>		<i>Frequency</i>	<i>%</i>
		0		Not reporting		551678	13.4 %
		1		Reporting		3567229	86.6 %
		<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>
		4118907	0	0.00	1.00	0.87	1.00
						<i>Stdev</i>	
						0.34	
F_APGAR5		Reporting Flags: Five minute APGAR					
Location:		265-265 (width: 1; decimal: 0)					
Variable Type:		numeric (ISO)					
Interval:		discrete					
		<i>Value</i>		<i>Label</i>		<i>Frequency</i>	<i>%</i>
		0		Not reporting		932952	22.7 %
		1		Reporting		3185955	77.3 %
		<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>
		4118907	0	0.00	1.00	0.77	1.00
						<i>Stdev</i>	
						0.42	
F_TOBACO		Reporting Flags: Tobacco Use (2003 Revision)					
Location:		266-266 (width: 1; decimal: 0)					
Variable Type:		numeric (ISO)					
Interval:		discrete					
		<i>Value</i>		<i>Label</i>		<i>Frequency</i>	<i>%</i>
		0		Not reporting		3547049	86.1 %
		1		Reporting		571858	13.9 %
		<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>
		4118907	0	0.00	1.00	0.14	0.00
						<i>Stdev</i>	
						0.35	

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F_MED
Reporting Flags: Mother's Education

Location: 267-267 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_WTGAIN
Reporting Flags: Weight Gain

Location: 268-268 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	551659	13.4 %	13.4%
1	Reporting	3567248	86.6 %	86.6%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.87	1.00	0.34

F_ALCOL
Reporting Flags: Alcohol use

Location: 269-269 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	1356135	32.9 %	32.9%
1	Reporting	2762772	67.1 %	67.1%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.67	1.00	0.47

F_API
Reporting Flags: API Codes

Location: 270-270 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	3119937	75.7 %	75.7%
1	Reporting	998970	24.3 %	24.3%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.24	0.00	0.43

F_TOBAC
Reporting Flags: Tobacco Use (1989 Revision)

Location: 271-271 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	1356135	32.9 %	32.9%
1	Reporting	2762772	67.1 %	67.1%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.67	1.00	0.47

F_MPCB
Reporting Flags: Month Prenatal Care Began (2003 Revision)

Location: 272-272 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	3547049	86.1 %	86.1%
1	Reporting	571858	13.9 %	13.9%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.14	0.00	0.35

F_MPCB_U
Reporting Flags: Month Prenatal Care Began (1989 Revision)

Location: 273-273 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_ANEMIA
Reporting Flags: Risk Factors: Anemia

Location: 274-274 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_CARDIAC
Reporting Flags: Risk Factors: Cardiac

Location: 275-275 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_LUNG
Reporting Flags: Risk Factors: Acute or Chronic Lung Disease

Location: 276-276 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_DIABETES
Reporting Flags: Risk Factors: Diabetes

Location: 277-277 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

F_URF_HERPES
Reporting Flags: Risk Factors: Genital Herpes

Location: 278-278 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	1192585	29.0 %	29.0%
1	Reporting	2926322	71.0 %	71.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.71	1.00	0.45

F_URF_HYDRA
Reporting Flags: Risk Factors: Hydranmnios/Oligohydramnios

Location: 279-279 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_HEMO
Reporting Flags: Risk Factors: Hemoglobinopathy

Location: 280-280 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_CHYPER
Reporting Flags: Risk Factors: Chronic Hypertension

Location: 281-281 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

F_URF_PHYPER
Reporting Flags: Risk Factors: Pregnancy Associated Hypertension

Location: 282-282 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

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Interval:

discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_URF_ECLAMP

Reporting Flags: Risk Factors: Eclampsia

Location:

283-283 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	578674	14.0 %	14.0%
1	Reporting	3540233	86.0 %	86.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.86	1.00	0.35

F_URF_INCERVIX

Reporting Flags: Risk Factors: Incompetent Cervix

Location:

284-284 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_PRE4000

Reporting Flags: Risk Factors: Previous Infant 4000+ Grams

Location:

285-285 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_PRETERM

Reporting Flags: Risk Factors: Previous Preterm Small for Gestation

Location:

286-286 (width: 1; decimal: 0)

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Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_RENAL

Reporting Flags: Risk Factors: Renal Disease

Location: 287-287 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_URF_RH

Reporting Flags: Risk Factors: Rh Sensitization

Location: 288-288 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	850961	20.7 %	20.7%
1	Reporting	3267946	79.3 %	79.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.79	1.00	0.40

F_URF_UTERINE

Reporting Flags: Risk Factors: Uterine Bleeding

Location: 289-289 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	1192585	29.0 %	29.0%
1	Reporting	2926322	71.0 %	71.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.71	1.00	0.45

F_URF_OTHERMR

Reporting Flags: Risk Factors: Other Medical Risk Factors

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Location: 290-290 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>		
0	Not reporting	811292	19.7 %	19.7%		
<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UOB_AMNIO

Reporting Flags: Obstetric Procedures: Amniocentesis

Location: 291-291 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>		
0	Not reporting	811292	19.7 %	19.7%		
<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UOB_MONITOR

Reporting Flags: Obstetric Procedures: Electronic Fetal Monitoring

Location: 292-292 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>		
0	Not reporting	811292	19.7 %	19.7%		
<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UOB_INDUCT

Reporting Flags: Obstetric Procedures: Induction of Labor

Location: 293-293 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>		
0	Not reporting	6816	0.2 %	0.2%		
<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

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F_UOB_STIMUL	Reporting Flags: Obstetric Procedures: Stimulation of Labor								
Location:	294-294 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			811292	19.7 %	19.7%			
1	Reporting			3307615	80.3 %	80.3%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.80	1.00	0.40			
F_UOB_TOCOL	Reporting Flags: Obstetric Procedures: Tocolysis								
Location:	295-295 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			6816	0.2 %	0.2%			
1	Reporting			4112091	99.8 %	99.8%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	1.00	1.00	0.04			
F_UOB_ULTRAS	Reporting Flags: Obstetric Procedures: Ultrasound								
Location:	296-296 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			811292	19.7 %	19.7%			
1	Reporting			3307615	80.3 %	80.3%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.80	1.00	0.40			
F_UOB_OTHEROB	Reporting Flags: Obstetric Procedures: Other Obstetric Procedures								
Location:	297-297 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			811292	19.7 %	19.7%			
1	Reporting			3307615	80.3 %	80.3%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.80	1.00	0.40			

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F_ULD_FEBRILE		Reporting Flags: Complications of Labor & Delivery: Febrile					
Location:	298-298 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>				Frequency	%	Valid %
0	Not reporting				811292	19.7 %	19.7%
1	Reporting				3307615	80.3 %	80.3%
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	0.00	1.00	0.80	1.00	0.40	
F_ULD_MECONIUM		Reporting Flags: Complications of Labor & Delivery: Meconium					
Location:	299-299 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>				Frequency	%	Valid %
0	Not reporting				6816	0.2 %	0.2%
1	Reporting				4112091	99.8 %	99.8%
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	0.00	1.00	1.00	1.00	0.04	
F_ULD_RUPTURE		Reporting Flags: Complications of Labor & Delivery: Premature Rupture of Membrane					
Location:	300-300 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>				Frequency	%	Valid %
0	Not reporting				811292	19.7 %	19.7%
1	Reporting				3307615	80.3 %	80.3%
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	0.00	1.00	0.80	1.00	0.40	
F_ULD_ABRUPTIO		Reporting Flags: Complications of Labor & Delivery: Abruptio Placenta					
Location:	301-301 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>				Frequency	%	Valid %
0	Not reporting				811292	19.7 %	19.7%
1	Reporting				3307615	80.3 %	80.3%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_PREPLACE
Reporting Flags: Complications of Labor & Delivery: Placenta Previa

Location: 302-302 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_EXCEBLD
Reporting Flags: Complications of Labor & Delivery: Other Excessive Bleeding

Location: 303-303 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_SEIZURE
Reporting Flags: Complications of Labor & Delivery: Seizures During Labor

Location: 304-304 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_PRECIP
Reporting Flags: Complications of Labor & Delivery: Precipitous Labor

Location: 305-305 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	6816	0.2 %	0.2%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Reporting	4112091	99.8 %	99.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

F_ULD_PROLONG
Reporting Flags: Complications of Labor & Delivery: Prolonged Labor

Location: 306-306 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_DYSFUNC
Reporting Flags: Complications of Labor & Delivery: Dysfunctional Labor

Location: 307-307 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_BREECH
Reporting Flags: Complications of Labor & Delivery: Breech

Location: 308-308 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	1.00	1.00	0.04

F_ULD_CEPHALO
Reporting Flags: Complications of Labor & Delivery: Cephalopelvic Disproportion

Location: 309-309 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_CORD
Reporting Flags: Complications of Labor & Delivery: Cord Prolapse

Location: 310-310 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_ULD_ANESTHE
Reporting Flags: Complications of Labor & Delivery: Anesthetic Complications

Location: 311-311 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	1192585	29.0 %	29.0%
1	Reporting	2926322	71.0 %	71.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.71	1.00	0.45

F_ULD_DISTRESS
Reporting Flags: Complications of Labor & Delivery: Fetal Distress

Location: 312-312 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	1192585	29.0 %	29.0%
1	Reporting	2926322	71.0 %	71.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.71	1.00	0.45

F_ULD_OTHERLD
Reporting Flags: Complications of Labor & Delivery: Other Complications

Location: 313-313 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

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Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	811292	19.7 %	19.7%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_U_VAGINAL

Reporting Flags: Method of Delivery: Vaginal

Location:

314-314 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	6816	0.2 %	0.2%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_U_VBAC

Reporting Flags: Method of Delivery: Vaginal after C-Section

Location:

315-315 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	6816	0.2 %	0.2%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_U_PRIMAC

Reporting Flags: Method of Delivery: Primary C-Section

Location:

316-316 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	6816	0.2 %	0.2%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_U_REPEATC

Reporting Flags: Method of Delivery: Repeat C-Section

Location:

317-317 (width: 1; decimal: 0)

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Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_U_FORCEP

Reporting Flags: Method of Delivery: Forceps

Location: 318-318 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_U_VACUUM

Reporting Flags: Method of Delivery: Vacuum

Location: 319-319 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	6816	0.2 %	0.2%
1	Reporting	4112091	99.8 %	99.8%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	1.00	1.00	0.04

F_UAB_ANEMIA

Reporting Flags: Abnormal Conditions of Newborn: Anemia

Location: 320-320 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	811292	19.7 %	19.7%
1	Reporting	3307615	80.3 %	80.3%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UAB_INJURY

Reporting Flags: Abnormal Conditions of Newborn: Birth Injury

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Location: 321-321 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	1218917	29.6 %	29.6%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.70	1.00	0.46

F_UAB_ALCOSYN

Reporting Flags: Abnormal Conditions of Newborn: Fetal Alcohol Syndrome

Location: 322-322 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	881438	21.4 %	21.4%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.79	1.00	0.41

F_UAB_HYALINE

Reporting Flags: Abnormal Conditions of Newborn: Hyaline Membrane Disease

Location: 323-323 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	811292	19.7 %	19.7%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UAB_MECONSYN

Reporting Flags: Abnormal Conditions of Newborn: Meconium Aspiration Syndrome

Location: 324-324 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	811292	19.7 %	19.7%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

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F_UAB_VENL30	Reporting Flags: Abnormal Conditions of Newborn: Assisted Ventilation < 30 min								
Location:	325-325 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			930360	22.6 %	22.6%			
1	Reporting			3188547	77.4 %	77.4%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.77	1.00	0.42			
F_UAB_VEN30M	Reporting Flags: Abnormal Conditions of Newborn: Assisted Ventilation >= 30 min								
Location:	326-326 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			930360	22.6 %	22.6%			
1	Reporting			3188547	77.4 %	77.4%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.77	1.00	0.42			
F_UAB_NSEIZ	Reporting Flags: Abnormal Conditions of Newborn: Seizures								
Location:	327-327 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			811292	19.7 %	19.7%			
1	Reporting			3307615	80.3 %	80.3%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.80	1.00	0.40			
F_UAB_OTHERAB	Reporting Flags: Abnormal Conditions of Newborn: Other abnormal conditions								
Location:	328-328 (width: 1; decimal: 0)								
Variable Type:	numeric (ISO)								
Interval:	discrete								
Value	<i>Label</i>			Frequency	%	<i>Valid %</i>			
0	Not reporting			811292	19.7 %	19.7%			
1	Reporting			3307615	80.3 %	80.3%			
Valid	Invalid	Min	Max	Mean	Median	<i>Stdev</i>			
4118907	0	0.00	1.00	0.80	1.00	0.40			

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F_UCA_ANEN		Reporting Flags: Congenital Anomalies of Newborn: Anencephalus					
Location:	329-329 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>		Frequency	%	Valid %		
0	Not reporting		35200	0.9 %	0.9%		
1	Reporting		4083707	99.1 %	99.1%		
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	0.00	1.00	0.99	1.00	0.09	
F_UCA_SPINA		Reporting Flags: Congenital Anomalies of Newborn: Spina bifida/Meningocele					
Location:	330-330 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>		Frequency	%	Valid %		
0	Not reporting		35200	0.9 %	0.9%		
1	Reporting		4083707	99.1 %	99.1%		
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	0.00	1.00	0.99	1.00	0.09	
F_UCA_HYDRO		Reporting Flags: Congenital Anomalies of Newborn: Hydrocephalus					
Location:	331-331 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>		Frequency	%	Valid %		
0	Not reporting		839676	20.4 %	20.4%		
1	Reporting		3279231	79.6 %	79.6%		
Valid	Invalid	Min	Max	Mean	Median	Stdev	
4118907	0	0.00	1.00	0.80	1.00	0.40	
F_UCA_MICROCE		Reporting Flags: Congenital Anomalies of Newborn: Microcephalus					
Location:	332-332 (width: 1; decimal: 0)						
Variable Type:	numeric (ISO)						
Interval:	discrete						
Value	<i>Label</i>		Frequency	%	Valid %		
0	Not reporting		839676	20.4 %	20.4%		
1	Reporting		3279231	79.6 %	79.6%		

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_NERVOUS
Reporting Flags: Congenital Anomalies of Newborn: Other central nervous system anomalies

Location: 333-333 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_HEART
Reporting Flags: Congenital Anomalies of Newborn: Heart Malformations

Location: 334-334 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_CIRCUL
Reporting Flags: Congenital Anomalies of Newborn: Other Circulatory/Respiratory Anomalies

Location: 335-335 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_RECTAL
Reporting Flags: Congenital Anomalies of Newborn: Rectal Atresia/Stenosis

Location: 336-336 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_TRACHEO
Reporting Flags: Congenital Anomalies of Newborn: Tracheo-Esophageal Fistula

Location: 337-337 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_OMPHALO
Reporting Flags: Congenital Anomalies of Newborn: Omphalocele/Gastroschisis

Location: 338-338 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	35200	0.9 %	0.9%
1	Reporting	4083707	99.1 %	99.1%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.99	1.00	0.09

F_UCA_GASTRO
Reporting Flags: Congenital Anomalies of Newborn: Other Gastrointestinal Anomalies

Location: 339-339 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_GENITAL
Reporting Flags: Congenital Anomalies of Newborn: Malformed Genitalia

Location: 340-340 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_RENALAG
Reporting Flags: Congenital Anomalies of Newborn: Renal Agenesis

Location: 341-341 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_UROGEN
Reporting Flags: Congenital Anomalies of Newborn: Other Urogenital Anomalies

Location: 342-342 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_CLEFTLIP
Reporting Flags: Congenital Anomalies of Newborn: Cleft Lip/Palate

Location: 343-343 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
0	Not reporting	35200	0.9 %	0.9%
1	Reporting	4083707	99.1 %	99.1%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	0.00	1.00	0.99	1.00	0.09

F_UCA_DACTYL
Reporting Flags: Congenital Anomalies of Newborn: Polydactyly/Syndactyly/Adactyly

Location: 344-344 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

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Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	839676	20.4 %	20.4%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_CLUB

Reporting Flags: Congenital Anomalies of Newborn: Club Foot

Location:

345-345 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	839676	20.4 %	20.4%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_HERNIA

Reporting Flags: Congenital Anomalies of Newborn: Diaphragmatic Hernia

Location:

346-346 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	839676	20.4 %	20.4%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_MUSCULO

Reporting Flags: Congenital Anomalies of Newborn: Other Musculoskeletal Anomalies

Location:

347-347 (width: 1; decimal: 0)

Variable Type:

numeric (ISO)

Interval:

discrete

Value	Label	Frequency	%	Valid %		
0	Not reporting	839676	20.4 %	20.4%		
Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_DOWNS

Reporting Flags: Congenital Anomalies of Newborn: Downs Syndrome

Location:

348-348 (width: 1; decimal: 0)

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Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	35200	0.9 %	0.9%
1	Reporting	4083707	99.1 %	99.1%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.99	1.00	0.09

F_UCA_CHROMO

Reporting Flags: Congenital Anomalies of Newborn: Other Chromosomal Anomalies

Location: 349-349 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

F_UCA_OTHRCON

Reporting Flags: Congenital Anomalies of Newborn: Other Congenital Anomalies

Location: 350-350 (width: 1; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
0	Not reporting	839676	20.4 %	20.4%
1	Reporting	3279231	79.6 %	79.6%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	0.00	1.00	0.80	1.00	0.40

MRACE1E

MRACE1E: Mother's Race Edited

Location: 351-353 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE2E

MRACE2E: Mother's Race Edited

Location: 354-356 (width: 3; decimal: 0)

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Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE3E

MRACE3E: Mother's Race Edited

Location: 357-359 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE4E

MRACE4E: Mother's Race Edited

Location: 360-362 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE5E

MRACE5E: Mother's Race Edited

Location: 363-365 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE6E

MRACE6E: Mother's Race Edited

Location: 366-368 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

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<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE7E
MRACE7E: Mother's Race Edited

Location: 369-371 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

MRACE8E
MRACE8E: Mother's Race Edited

Location: 372-374 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE1E
FRACE1E: Father's Race Edited

Location: 375-377 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE2E
FRACE2E: Father's Race Edited

Location: 378-380 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

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<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE3E
FRACE3E: Father's Race Edited

Location: 381-383 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE4E
FRACE4E: Father's Race Edited

Location: 384-386 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE5E
FRACE5E: Father's Race Edited

Location: 387-389 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE6E
FRACE6E: Father's Race Edited

Location: 390-392 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

<i>Value</i>	<i>Label</i>	<i>Frequency</i>	<i>%</i>	<i>Valid %</i>
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

<i>Valid</i>	<i>Invalid</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>Stdev</i>
4118907	0	999.00	999.00	999.00	999.00	0.00

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FRACE7E

FRACE7E: Father's Race Edited

Location: 393-395 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

FRACE8E

FRACE8E: Father's Race Edited

Location: 396-398 (width: 3; decimal: 0)

Variable Type: numeric (ISO)

Interval: discrete

Value	Label	Frequency	%	Valid %
999	Blanked for Confidentiality	4118907	100.0 %	100.0%

Valid	Invalid	Min	Max	Mean	Median	Stdev
4118907	0	999.00	999.00	999.00	999.00	0.00

DOCUMENTATION OF THE DETAIL NATALITY PUBLIC USE FILE FOR 2004

**NOTE: THE RECORD LAYOUT OF THIS FILE HAS
CHANGED SUBSTANTIALLY. USERS
SHOULD READ THIS DOCUMENT
CAREFULLY.**

Public Use Data Tape Documentation - Natality Detail 2004 Data

This tape documentation was prepared in the Division of Vital Statistics by Steve Steimel of the Systems, Programming, and Statistical Resources Branch (SPSRB) and Paul Sutton, Brady Hamilton of the Reproductive Statistics Branch (RSB). Thomas D. Dunn of SPSRB was responsible for coordinating the natality documentation.

Sharon Kirmeyer of RSB prepared the Technical Appendix. The Registration Methods Section and the Data Acquisition and Evaluation Branch provided consultation to State Vital Statistics offices regarding collection of birth certificate data.

Questions on the documentation or general questions concerning the natality file should be directed to the Systems, Programming, and Statistical Resources Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Hyattsville, MD 20782-2003 (301-458-4777).

Questions concerning the Technical Appendix or substantive questions concerning the natality data should be directed to the Reproductive Statistics Branch, Division of Vital Statistics, NCHS, 3311 Toledo Road, Hyattsville, MD 20782-2003 (301-458-4111).

Included in this document are:

1. Introduction to the Public Use Documentation for 2004
2. List of data elements and tape locations.
3. Machine/File/Data Characteristics.
4. Detail Record Layout.
5. Geographic Code Lists for the United States and the Territories.
6. Lists of Metropolitan Statistical Areas the United States and the Territories.
7. List of Country Codes.
8. Natality Technical Appendix for 2004.
9. Births: Final Data for 2004.
10. Control Total Tables for Selected Revised Certificate Items.

SYMBOLS USED IN TABLES

Symbol	Explanation
---	Data not available
...	Category not applicable
-	Quantity zero
0.0	Quantity more than 0 but less than 0.05
*	Figure does not meet standards of reliability or precision

Public Use File Documentation

Natality 2004

Introduction

United States birth data represent all births registered in the 50 States, the District of Columbia, New York City, Puerto Rico, Virgin Islands, American Samoa, and the Commonwealth of the Northern Marianas. The Center for Disease Control and Prevention's National Center for Health Statistics (NCHS) receives these data as electronic files, prepared from individual records processed by each registration area, through the Vital Statistics Cooperative Program. Information for Guam is obtained from paper copies of original birth certificates which is coded and keyed by NCHS. Data from American Samoa first became available in 1997. Data from the Northern Marianas first became available in 1998.

Birth data for the U.S. are limited to births occurring within the United States to U.S. residents and nonresidents. Births to nonresidents of the United States are excluded from all tabulations by place of residence. Births occurring to U.S. citizens outside of the United States are not included in this file. Birth data for Puerto Rico, Virgin Islands, Guam and American Samoa are limited to births occurring within the respective territories. For more detailed information on the 2003 Natality file see *The Technical Appendix of the Vital Statistics of the United States, 2003, vol I natality*.

The 1989 and 2003 Revisions of the U.S. Certificate of Live Birth

This data file includes data based on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 revision of the U.S. Standard Certificate of Live Birth in 2003 (revised). The 2003 revision is described in detail elsewhere. (See the 2003 Revision website at:

http://www.cdc.gov/nchs/vital_certs_rev.htm). Pennsylvania and Washington implemented the revised certificate in 2003; five states, Idaho, Kentucky, New York (excluding New York City), South Carolina, and Tennessee implemented as of January 1, 2004. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven revised states, for which data are available for all of 2004,

represent 14 percent of all births. Where comparable, revised data are combined with data from the remaining 41 states and the District of Columbia. (Revised data are denoted by “R;” unrevised data are denoted by “U” in the “Rev” column of the documentation.) Where data for the 1989 and 2003 certificate revisions are not comparable (e.g., educational attainment of the mother), unrevised and revised data are given in separate fields in the data file. For the two states which revised in 2004, but after January 1, data which are not comparable across revisions are excluded from all tabulations and wherever reporting flags are used. Also see discussion of reporting flags. Data items exclusive to the 1989 Revision are shown in tables U-1 – U- 7. Selected items new to the 2003 Revision are included in this data file, see tables R-1- R-6. However, several new items are not included (e.g., infections during pregnancy, maternal morbidity). Please see section on “Incomplete National Reporting,” below. For further information please contact us at births@cdc.gov or (301)458-1111.

Metropolitan statistical areas

Metropolitan statistical areas in this file are based the 1994 Office of Management and Budget (OMB) definition effective July 1, 1994. This definition has been used to define metropolitan statistical areas for natality files since 1994. A listing of these 311 Metropolitan Statistical Areas (MSA's), Primary Metropolitan Statistical Areas (PMSA's), and New England County Metropolitan Areas (NECMA's) is included in this documentation. The 18 Consolidated Metropolitan Statistical Areas (CMSA's) are also included. In June of 2003 The OMB substantially revised the methodology for classifying and coding metropolitan areas in the United States. NCHS plans to convert to the new classification scheme with the release of 2005 natality data.

Confidentiality

To minimize the risk of disclosure of individual or institutional information NCHS public use data files do not contain the actual day of the birth or the dates of birth of the mother or father. Geographic detail is also restricted; only counties and cities of 100,000 or more population based on the 2000 Census are identified.

Incomplete National Reporting: Selecting Reporting Areas for the 2004 natality file

The use of reporting flags

As a result of the delayed, phased transition to the 2003 Standard Certificate of Live Birth, the 2004 natality file includes data for reporting areas that use the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) and data for reporting areas that use the 1989 Standard Certificate of Live Birth (unrevised). Although many data items are comparable across certificate revisions and are available for the entire United States, many items have more limited reporting areas. For example, information on pre-pregnancy and gestational diabetes, a revised data item, is available only for 7 States for 2004; information on amniocentesis, an unrevised item, not included on the revised certificate, is available for 41 States and New York City. Reporting flags were developed to help the user more readily identify reporting areas for items with less than national reporting. The national reporting area is defined as the 50 States, The District of Columbia, and New York City; (NYC is an independent reporting area from New York State). Reporting flags are available for most items on the file. Positions for reporting flags are noted along with each data item in the file layout.

Translating “blanks”

In the 2004 natality file, for data items which are not common or comparable across certificate revisions, births to residents of a revised state occurring in an unrevised state, and births to residents in an unrevised state occurring in a revised state, are represented by “blanks.” Blanks should be treated as “unknowns” for tabulations.

In sum, the correct use of reporting flags and translation of blanks will result in an accurate tally of births for items with incomplete national reporting. For an example of SAS code that may be used to incorporate the correct use of reporting flags and the translation of blanks see below.

Example of SAS code using reporting flags (and translating blanks)

The example below is for the revised prenatal care item. Prenatal care data based on the revised Certificate are not considered comparable to data based on the unrevised Certificate, and are presented separately (see also Births: Final Data for 2004).

Accordingly, use of the reporting flag for this item will produce 2004 data for the month prenatal care began for the 7 revised States which had implemented the revised Certificate by January 1st 2004. Data for states which implemented the revised certificates after January 1 (Delaware and Florida), are excluded from tabulations when reporting flags are used.

Sample SAS program

```
01  DATA work;
02      INFILE 'c:nat04us.dat' LRECL=1500;
03      INPUT
04          restatus 138
05          precare 245-246
06          f_mpcb 668;
07
08      /*Exclude foreign residents*/
09      IF restatus NE 4;
10      /*Select reporting area*/
11      IF f_mpcb=1;
12      /*Convert blanks to unknown*/
13      IF precare=. THEN precare=99;
14
15  PROC FREQ;
```

```
16      TABLE precare;
17  RUN;
```

In this example, “restatus” is used to exclude births to foreign residents (this is standard practice for all NCHS tabulations). Also in this example, blanks are represented by numeric values SAS code = (.). However, for some items in the file, e.g., obstetric procedures, blanks are represented by character values for which the SAS code is empty quotes (‘ ’).

Alternative to the use of reporting flags

The use of reporting flags provides a relatively quick, accurate way to select records for all areas reporting comparable data for a given item in a particular year. However, should a limited reporting area be needed, specific state(s) of residence may also be selected, or unselected. This approach may be useful, for example, in trend analysis where reporting areas have changed overtime. See Table A in the “Technical Appendix” for state-specific information on reporting areas.

This approach may also be used to limit the reporting area to only states reporting multiple or single race data. See “Technical Appendix” Table A footnote 2 for the multiple race reporting area.

Example of SAS code using state of residence (and translating blanks)

```
01  DATA work;
02    INFILE 'c:nat04us.dat' LRECL=1500;
03    INPUT
04      restatus 138
05      xmrstate $ 107-108
```

```
06      precare 245-246;
07
08      /*Exclude foreign residents*/
09      IF restatus NE 4;
10      /*Select reporting area*/
11      IF xmrstate in ('ID','KY','NY','PA','SC','TN','WA');
12      /*Convert blanks to unknown*/
13      IF precare=. THEN precare=99;
14
15  PROC FREQ;
16      TABLE precare;
17  RUN;
```

2004
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
1-6	6	FILLER	Filler			Blank	
7	1	REVISION	Revision		U,R	A	Data based on the 2003 revision of the US Standard Birth Certificate (Revised)
						S	Data based on the 1989 revision of the US Standard Birth Certificate (Unrevised)
8	1	RECWT	Record Weight		U,R	1	
9-14	6	FILLER	Filler			Blank	
15-18	4	DOB_YY	Birth Year		U,R	2004	Year of birth
19-20	2	DOB_MM	Birth Month		U,R	01	January
						02	February
						03	March
						04	April
						05	May
						06	June
						07	July
						08	August
						09	September
						10	October
						11	November
						12	December
21-28	8	FILLER	Filler			Blank	
29	1	DOB_WK	Weekday		U,R	1	Sunday
						2	Monday
						3	Tuesday
						4	Wednesday
						5	Thursday
						6	Friday
						7	Saturday
30-31	2	OSTATE	Occurrence State		U,R		
			<u>United States</u>		AK	Alaska	
					AL	Alabama	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
32-33	2	XOSTATE	Expanded Occurrence State <u>United States</u>		U,R		
					AK	Alaska	
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
					YC	New York City	
					AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
34-36	3	FILLER	Filler			Blank	
37-39	3	OCNTYFIPS	Occurrence FIPS County		U,R		
						001-nnn	Counties and county equivalents (independent and

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.
R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					999		coextensive cities) are numbered alphabetically within each state. (Note: To uniquely identify a county, both the state and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline, which follows the record layout.
							County of less than 100,000 population or foreign resident
40	1	OCNTYPOP	Occurrence County Pop	U,R	0	County of 1,000,000 or more	
					1	County of 500,000 to 1,000,000	
					2	County of 250,000 to 500,000	
					3	County of 100,000 to 250,000	
					9	County less than 100,000	
41	1	FILLER	Filler		Blank		
42	1	UBFACIL	Birth Place	U,R	1	Hospital	
					2	Freestanding Birthing Center	
					3	Clinic / Doctor's Office	
					4	Residence	
					5	Other	
					9	Unknown	
43-58	16	FILLER	Filler		Blank		
59	1	BFACIL3	Birth Place Recode	U,R	1	In Hospital	
					2	Not in Hospital	
					3	Unknown or Not Stated	
60-86	27	FILLER	Filler		Blank		
87	1	MAGE_IMPFLG	Mother's Age Imputed	U,R	Blank	Age not imputed	
					1	Age imputed	
88	1	MAGE_REPFLG	Reported Age of Mother Flag	U,R	Blank	Reported age not used	
					1	Reported age used	
89-90	2	MAGER	Mother's Single Year of Age	U,R	12	10-12 years	
					13	13 years	
					14	14 years	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

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R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					15	15 years	
					16	16 years	
					17	17 years	
					18	18 years	
					19	19 years	
					20	20 years	
					21	21 years	
					22	22 years	
					23	23 years	
					24	24 years	
					25	25 years	
					26	26 years	
					27	27 years	
					28	28 years	
					29	29 years	
					30	30 years	
					31	31 years	
					32	32 years	
					33	33 years	
					34	34 years	
					35	35 years	
					36	36 years	
					37	37 years	
					38	38 years	
					39	39 years	
					40	40 years	
					41	41 years	
					42	42 years	
					43	43 years	
					44	44 years	
					45	45 years	
					46	46 years	
					47	47 years	
					48	48 years	
					49	49 years	
					50	50-54 years	
91-92	2	MAGER14	Mother's Age Recode 14	U,R	01	Under 15 Years	
					03	15 years	
					04	16 years	

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U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					05	17 years	
					06	18 years	
					07	19 years	
					08	20-24 years	
					09	25-29 years	
					10	30-34 years	
					11	35-39 years	
					12	40-44 years	
					13	45-49 years	
					14	50-54 years	
93	1	MAGER9	Mother's Age Recode 9	U,R	1	Under 15 years	
					2	15-19 years	
					3	20-24 years	
					4	25-29 years	
					5	30-34 years	
					6	35-39 years	
					7	40-44 years	
					8	45-49 years	
					9	50-54 years	
94-95	2	FILLER	Filler			Blank	
96-97	2	UMBSTATE	Mother's Birth State <u>United States</u>	U,R	AK	Alaska	
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	

- *U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).
- U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.
- R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					VI	Virgin Islands	
			<u>Foreign</u>		CC	Canada	
					CU	Cuba	
					MX	Mexico	
					YY	Rest of the World	
					ZZ	Not Classifiable	
98-99	2	FILLER	Filler			Blank	
100	1	MBSTATE_REC	Mother's Birth State Recode		U,R	1	Native born (within 50 States & DC)
						2	Foreign born (outside 50 States & DC)
						3	Unknown or Not Stated
101-106	6	FILLER	Filler			Blank	
107-108	2	XMRSTATE	Expanded State of Residence of Mother <u>United States</u>		U,R	AK	Alaska
						AL	Alabama
						AR	Arkansas
						AZ	Arizona
						CA	California
						CO	Colorado
						CT	Connecticut
						DE	Delaware
						DC	District of Columbia
						FL	Florida
						GA	Georgia
						HI	Hawaii
						ID	Idaho
						IL	Illinois
						IN	Indiana
						IA	Iowa
						KS	Kansas
						KY	Kentucky
						LA	Louisiana
						MA	Massachusetts
						MD	Maryland
						ME	Maine
						MI	Michigan

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

2004
Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York (excludes New York City)	
					OH	Ohio	
					OK	Oklahoma	
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
					YC	New York City	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
			<u>Foreign</u>		CC	Canada	
					CU	Cuba	
					MX	Mexico	
					XX	Not Applicable	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
109-110	2	MRSTATE	Mother's Residence State <u>United States</u>	U,R	ZZ		Not Classifiable
					AK	Alaska	
					AL	Alabama	
					AR	Arkansas	
					AZ	Arizona	
					CA	California	
					CO	Colorado	
					CT	Connecticut	
					DE	Delaware	
					DC	District of Columbia	
					FL	Florida	
					GA	Georgia	
					HI	Hawaii	
					ID	Idaho	
					IL	Illinois	
					IN	Indiana	
					IA	Iowa	
					KS	Kansas	
					KY	Kentucky	
					LA	Louisiana	
					MA	Massachusetts	
					MD	Maryland	
					ME	Maine	
					MI	Michigan	
					MN	Minnesota	
					MO	Missouri	
					MS	Mississippi	
					MT	Montana	
					NC	North Carolina	
					ND	North Dakota	
					NE	Nebraska	
					NH	New Hampshire	
					NJ	New Jersey	
					NM	New Mexico	
					NV	Nevada	
					NY	New York	
					OH	Ohio	
					OK	Oklahoma	

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

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Public Use – Detail Natality Record

Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					OR	Oregon	
					PA	Pennsylvania	
					RI	Rhode Island	
					SC	South Carolina	
					SD	South Dakota	
					TN	Tennessee	
					TX	Texas	
					UT	Utah	
					VA	Virginia	
					VT	Vermont	
					WA	Washington	
					WI	Wisconsin	
					WV	West Virginia	
					WY	Wyoming	
			<u>Outlying Areas of the United States</u>		AS	American Samoa	
					GU	Guam	
					MP	Northern Marianas	
					PR	Puerto Rico	
					VI	Virgin Islands	
			<u>Foreign</u>		CC	Canada	
					CU	Cuba	
					MX	Mexico	
					XX	Not Applicable	
					ZZ	Not Classifiable	
111-113	3	FILLER	Filler			Blank	
114-116	3	MRCNTYFIPS	Mother's County of Residence (FIPS)	U,R	000	Foreign residents	
					001-nnn	Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each state. (Note: To uniquely identify a county, both the state and county codes must be used.) A complete list of counties is shown in the Geographic Code Outline, which follows the record layout.	
					999	County of less than 100,000 population	
117-119	3	FILLER	Filler			Blank	

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U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.
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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
120-124	5	MRCITYFIPS	Mother's Place of Residence (FIPS)		U,R	00000 00001- nnnnn 99999	Foreign residents A complete list of places (cities) is shown in the Geographic Code Outline, which follows the record layout. County of less than 100,000 population
125-126	2	CMSA	Consolidated Metropolitan Statistical Areas <u>United States</u>		U,R	00 07 14 21 28 31 34 35 42 49 56 63 70 77 79 82 84 91 97	Not a CMSA Boston, Worcester, Lawrence, MA-NH-ME-CT, CMSA Chicago-Gary-Kenosha, IL-IN-WI, CMSA Cincinnati-Hamilton, OH-KY-IN, CMSA Cleveland-Akron, OH, CMSA Dallas-Fort Worth, TX, CMSA Denver-Boulder-Greeley, CO, CMSA Detroit-Ann Arbor-Flint, MI, CMSA Houston-Galveston-Brazoria, TX, CMSA Los Angeles-Riverside-Orange County, CA, CMSA Miami-Fort Lauderdale, FL, CMSA Milwaukee-Racine, WI, CMSA New York-Northern New Jersey-Long Island, NY-NJ-CT-PA, CMSA Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD, CMSA Portland-Salem, OR-WA, CMSA Sacramento-Yolo, CA, CMSA San Francisco-Oakland-San Jose, CA, CMSA Seattle-Tacoma-Bremerton, WA, CMSA Washington-Baltimore, DC-MD-VA-WV, CMSA
			<u>Outlying Areas of the United States</u>			00 87	Not a CMSA San Juan-Caguas-Arecibo, PR, CMSA
127-130	4	MSA	Metropolitan Statistical Areas		U,R	0000 0040- 9360 9999	Foreign resident A complete list of MSA's and their component counties is available in the Geographic Code Outline, which follows the record layout. Area of less than 100,000

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
131	1	MSA_POP	Population of Statistical Area		U,R	1 2 9 Z	Area of 250,000 or more Area of 100,000 to 250,000 Area of less than 100,000 of nonmetropolitan area Foreign resident
132	1	RCNTY_POP	Population of Residence County		U,R	0 1 2 3 9 Z	County of 1,000,000 or more County of 500,000 to 1,000,000 County of 250,000 to 500,000 County of 100,000 to 250,000 County less than 100,000 Foreign resident
133	1	RCITY_POP	Population of Residence City		U,R	0 1 2 3 9 Z	City of 1,000,000 or more City of 500,000 to 1,000,000 City of 250,000 to 500,000 City of 100,000 to 250,000 City of less than 100,000 Foreign resident
134	1	FILLER	Filler				Blank
135	1	METRORES	Metropolitan Residence County		U,R	1 2 Z	Metropolitan County Nonmetropolitan County Foreign resident
136	1	FILLER	Filler				Blank
137	1	RECTYPE	Record Type		U,R	1 2	RESIDENT: State and county of occurrence and residence are the same. NONRESIDENT: State and county of occurrence and residence are different.
138	1	RESTATUS	Residence Status <u>United States</u>		U,R	1 2	RESIDENT: State and county of occurrence and residence are the same. INTRASTATE NONRESIDENT: State of occurrence and residence are the same but county is different.

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					3		INTERSTATE NONRESIDENT: State of occurrence and residence are different but both are one of the 50 US states or District of Columbia.
					4		FOREIGN RESIDENT: The state of residence is not one of the 50 US states or District of Columbia.
			<u>Outlying Areas of the United States</u>		1		RESIDENT: State and county of occurrence and residence are the same. (Unique to Guam, all US residents are considered residents of Guam and thus are assigned 1.)
					2		INTRATERRITORY NONRESIDENT: Territory of occurrence and residence are the same but county is different.
					3		INTERTERRITORY RESIDENT: Territory of occurrence and residence are different but both are US Territories.
					4		FOREIGN RESIDENT: The residence is not a US Territory.
139-140	2	MBRACE	Mother's Bridged Race Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group; see "Technical Appendix." ** Also includes unrevised states that report multiple race.	R**	01 02 03 04 05 06 07 08 09 10 11 12 13 14 21 22 23 24 Blank		White – single race Black – single race American Indian / Alaskan Native – single race Asian Indian – single race Chinese – single race Filipino – single race Japanese – single race Korean – single race Vietnamese – single race Other Asian – single race Hawaiian – single race Guamanian – single race Samoan – single race Other Pacific Islander – single race White – bridged multiple race Black – bridged multiple race American Indian / Alaskan Native – bridged multiple race Asian / Pacific Islander – bridged multiple race Not on certificate
141-142	2	MRACE	Mother's Race Includes only states exclusively reporting single race. Some areas report additional Asian or	U			

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Position	Len	Field	Description	Reporting Flag	Rev*	Values	Definition
			Pacific Islander (API) codes for race. Codes 18-68 replace old code 08 for these areas. Code 78 replaces old code 08 for all other areas. See reporting flag at pos.650 for expanded API reporting area.	Position			
			<u>United States</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					18	Asian Indian	
					28	Korean	
					38	Samoan	
					48	Vietnamese	
					58	Guamanian	
					68	Other Asian / Pacific Islander in areas reporting codes 18-58.	
					78	Combined other Asian / Pacific Islander, includes 18-68 for areas that do not report them separately.	
					Blank	Not on certificate	
			<u>Puerto Rico</u>		01	White	
					02	Black	
					00	Other races	
					Blank	Not on certificate	
			<u>Guam</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					08	Other Asian or Pacific Islander	
					58	Gumanian	
					Blank	Not on certificate	

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Position	Len	Field	Description	Reporting Flag	Rev*	Values	Definition
				Position			
<u>All other Outlying Areas of the United States</u>							
					01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					08	Other Asian or Pacific Islander	
					Blank	Not on certificate	
143	1	MRACEREC	Mother's Race Recode Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.	U,R			
					<u>United States and all Outlying Areas of the United States except Puerto Rico</u>	1	White
						2	Black
						3	American Indian / Alaskan Native
						4	Asian / Pacific Islander
					<u>Puerto Rico</u>	1	White
						2	Black
						0	Other (not classified as White or Black)
144	1	MRACEIMP	Mother's Race Imputed Flag	U,R	Blank	Mother's race not imputed	
					1	Unknown race imputed	
					2	All other races, formerly coded 09, imputed.	
145-147	3	FILLER	Filler		Blank		
148	1	UMHISP	Mother's Hispanic Origin	569	U,R	0	Non-Hispanic
						1	Mexican
						2	Puerto Rican
						3	Cuban
						4	Central or South American
						5	Other and Unknown Hispanic
						9	Origin unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
149	1	MRACEHISP	Mother's Race/Hispanic Origin	569	U,R	1 2 3 4 5 6 7 8 9	Mexican Puerto Rican Cuban Central or South American Other and Unknown Hispanic Non-Hispanic White Non-Hispanic Black Non-Hispanic Other Races Origin unknown or not stated
150-152	3	FILLER	Filler			Blank	
153	1	MAR	Mother's Marital Status	U,R		1 2 9	Yes No Unknown or not Stated
			<u>United States and all Outlying Areas of the United States except Puerto Rico</u>			1 2 3 9	Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated
			<u>Puerto Rico</u>			1 2 3 9	Yes Unmarried parents living together Unmarried parents not living together Unknown or not stated
154	1	MAR_IMP	Mother's Marital Status Imputed Flag	U,R	Blank 1		Marital Status not imputed Marital Status imputed
155	1	MEDUC	Mother's Education	571	R	1 2 3 4 5 6 7 8 9 Blank	8 th grade or less 9 th through 12 th grade with no diploma High school graduate or GED completed Some college credit, but not a degree Associate degree (AA, AS) Bachelor's degree (BA, AB, BS) Master's degree (MA, MS) Doctorate (PHD, EdD) or Professional Degree (MD, DDS, DVM, LLB, JD) Unknown Not on certificate
156-157	2	DMEDUC	Mother's Education	647	U	00 01-08	No formal education Years of elementary school

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					09	1 year of high school	
					10	2 years of high school	
					11	3 years of high school	
					12	4 years of high school	
					13	1 year of college	
					14	2 years of college	
					15	3 years of college	
					16	4 years of college	
					17	5 or more years of college	
					99	Not stated	
					Blank	Not on certificate	
158	1	MEDUC_REC	Mother's Education Recode	647	U	1 2 3 4 5 6 Blank	0 – 8 years 9 – 11 years 12 years 13 – 15 years 16 years and over Not stated Not on certificate
159-174	16	FILLER	Filler			Blank	
175	1	FAGERPT_FLG	Father's Reported Age Used		U,R	Blank 1	Father's reported age not used Father's reported age used
176-177	2	FAGERPT	Father's Reported Age		U,R	09-98 99	Father's reported age in years Unknown or not stated
178-181	4	FILLER	Filler			Blank	
182-183	2	FAGECOMB	Father's Combined Age (Revised) Revised states report for a range of 09-98 years.		R 99	09-98 Blank	Father's combined age in years Unknown or not stated Not on certificate
184-185	2	UFAGECOMB	Father's Combined Age Unrevised states report for a range of 10-98 years.		U 99	10-98 Blank	Father's combined age in years Unknown or not stated Not on certificate
186-187	2	FAGEREC11	Father's Age Recode 11		U,R	01	Under 15 years

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					02	15-19 years	
					03	20-24 years	
					04	25-29 years	
					05	30-34 years	
					06	35-39 years	
					07	40-44 years	
					08	45-49 years	
					09	50-54 years	
					10	55-98 years	
					11	Not stated	
188-189	2	FBRACE	Father's Bridged Race Includes only states reporting multiple race. Codes 01-14 used for individuals reporting only one race. Codes 21-24 used for individuals reporting more than one race that have been bridged to a single race. Code 24 also used for individuals reporting more than one Asian/Pacific Islander group; see "Technical Appendix." ** Also includes unrevised states that report multiple race.	R**	01	White – single race	
					02	Black – single race	
					03	American Indian / Alaskan Native – single race	
					04	Asian Indian – single race	
					05	Chinese – single race	
					06	Filipino – single race	
					07	Japanese – single race	
					08	Korean – single race	
					09	Vietnamese – single race	
					10	Other Asian – single race	
					11	Hawaiian – single race	
					12	Guamanian – single race	
					13	Samoan – single race	
					14	Other Pacific Islander – single race	
					21	White – bridged multiple race	
					22	Black – bridged multiple race	
					23	American Indian / Alaskan Native – bridged multiple race	
					24	Asian / Pacific Islander – bridged multiple race	
					99	Unknown or not stated, also includes states not reporting multiple race.	
						Blank	Not on certificate
190	1	FILLER	Filler			Blank	
191	1	FRACEREC	Father's Race Recode Includes individuals reporting only one race and individuals reporting more than one race bridged to a single race.		U,R		

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
			<u>United States and all Outlying Areas of the United States except Puerto Rico</u>		1	White	
					2	Black	
					3	American Indian / Alaskan Native	
					4	Asian / Pacific Islander	
					9	Unknown or not stated	
			<u>Puerto Rico</u>		1	White	
					2	Black	
					9	Unknown or not stated	
					0	Other (not classified as White or Black)	
192-194	3	FILLER	Filler			Blank	
195	1	UFHISP	Father's Hispanic Origin	570	U,R	0	Non-Hispanic
					1	Mexican	
					2	Puerto Rican	
					3	Cuban	
					4	Central American	
					5	Other and Unknown Hispanic	
					9	Origin unknown or not stated	
196	1	FRACEHISP	Father's Race/Hisp Origin	570	U,R	1	Mexican
					2	Puerto Rican	
					3	Cuban	
					4	Central or South American	
					5	Other and Unknown Hispanic	
					6	Non-Hispanic White	
					7	Non-Hispanic Black	
					8	Non-Hispanic Other Races	
					9	Origin unknown or not stated	
197-198	2	FILLER	Filler			Blank	
199-200	2	FRACE	Father's Race		U	01	White
			<u>United States</u>		02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					18	Asian Indian	
					28	Korean	
					38	Samoan	
					48	Vietnamese	
					58	Guamanian	
					68	Other Asian / Pacific Islander in areas reporting codes 18-58.	
					78	Combined other Asian / Pacific Islander, includes 18-68 for areas that do not report them separately.	
					99	Unknown or not stated	
				Blank	Not on certificate		
			<u>Puerto Rico</u>		01	White	
					02	Black	
					00	Other races	
					99	Unknown or not stated	
				Blank	Not on certificate		
			<u>Guam</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	
					08	Other Asian or Pacific Islander	
					58	Guamanian	
					99	Unknown or not stated	
				Blank	Not on certificate		
			<u>All other Outlying Areas of the United States</u>		01	White	
					02	Black	
					03	American Indian / Alaskan Native	
					04	Chinese	
					05	Japanese	
					06	Hawaiian (includes part Hawaiian)	
					07	Filipino	

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					08		Other Asian or Pacific Islander
					99		Unknown or not stated
					Blank		Not on certificate
201-203	3	FILLER	Filler		Blank		
204-205	2	PRIORLIVE	Prior Births Now Living	U,R	00-30		Number of children still living
					99		Unknown or not stated
206-207	2	PRIORDEAD	Prior Births Now Dead	U,R	00-30		Number of children dead
					99		Unknown or not stated
208-209	2	PRIORTERM	Prior Other Terminations	U,R	00-30		Number other terminations
					99		Unknown or not stated
210-211	2	LBO	Live Birth Order	U,R	01-31		Sum of all previous live births (now living and now dead) plus current birth
					99		Unknown or not stated
212	1	LBO_REC	Live Birth Order Recode	U,R	1-7		Live birth order
					8		Live birth order of 8 or more
					9		Unknown or not stated
213-214	2	FILLER	Filler		Blank		
215-216	2	TBO	Total Birth Order	U,R	01-40		Sum of all previous pregnancies plus current birth
					99		Unknown or not stated
217	1	TBO_REC	Total Birth Order Recode	U,R	1-7		Total birth order
					8		Total birth order of 8 or more
					9		Unknown or not stated
218-219	2	FILLER	Filler		Blank		
220-221	2	DLLB_MM	Date of Last Live Birth - Month	U,R	01		January
					02		February
					03		March
					04		April

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					05	May	
					06	June	
					07	July	
					08	August	
					09	September	
					10	October	
					11	November	
					12	December	
					88	Not applicable	
					99	Unknown or not stated	
222-225	4	DLLB_YY	Date of Last Live Birth - Year	U,R	nnnn 8888 9999	Year of last live birth Not applicable Unknown or not stated	
226-244	19	FILLER	Filler		Blank		
245-246	2	PRECARE	Month Prenatal Care Began	668	R	00 01-10 99 Blank	No prenatal care Month prenatal care began Unknown or not stated Not on certificate
247	1	PRECARE_REC	Moth Prenatal Care Began Recode	668	R	1 2 3 4 5 Blank	1 st to 3 rd month 4 th to 6 th month 7 th to final month No prenatal care Unknown or not stated Not on certificate
248-255	8	FILLER	Filler		Blank		
256-257	2	MPCB	Month Prenatal Care Began	669	U	00 01-10 99 Blank	No prenatal care Month prenatal care began Unknown or not stated Not on certificate
258	1	MPCB_REC6	Month Prenatal Care Began Recode 6				

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
				669	U	1 2 3 4 5 6 Blank	1 st to 2 nd month 3 rd month 4 th to 6 th month 7 th to final month No prenatal care Unknown or not stated Not on certificate
259	1	MPCB_REC5	Month Prenatal Care Began Recode 5	669	U	1 2 3 4 5 Blank	1 st trimester (1 st to 3 rd month) 2 nd trimester (4 th to 6 th month) 3 rd trimester (7 th to final month) No prenatal care Unknown or not stated Not on certificate
260-269	10	FILLER	Filler			Blank	
270-271	2	UPREVIS	Number of Prenatal Visits		U,R	00-49 99	Number of prenatal visits Unknown or not stated
272-273	2	PREVIS_REC	Number of Prenatal Visits Recode		U,R	01 02 03 04 05 06 07 08 09 10 11 12	No visits 1 to 2 visits 3 to 4 visits 5 to 6 visits 7 to 8 visits 9 to 10 visits 11 to 12 visits 13 to 14 visits 15 to 16 visits 17 to 18 visits 19 or more visits Unknown or not stated
274	1	FILLER	Filler			Blank	
275	1	APNCU	Adequacy of Prenatal Care Utilization Index	668	R	1 2 3	Inadequate Intermediate Adequate

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					4		Adequate +
					5		Unknown
					Blank		Not on certificate
276-277	2	WTGAIN	Weight Gain	648	U,R	00-97 98 99	Weight gain in pounds 98 pounds and over Unknown or not stated
278	1	WTGAIN_REC	Weight Gain Recode	648	U,R	1 2 3 4 5 6 7 8 9	Less than 16 pounds 16 to 20 pounds 21 to 25 pounds 26 to 30 pounds 31 to 35 pounds 36 to 40 pounds 41 to 45 pounds 46 or more pounds Unknown or not stated
279	1	U_APNCU	Adequacy of Prenatal Care Utilization Index	669	U	1 2 3 4 5 Blank	Inadequate Intermediate Adequate Adequate + Unknown Not on certificate
280	1	DFPC_IMP	Day of Date First Prenatal Care Imputed		R	Blank 1	Day of date first prenatal care not imputed Day of date first prenatal care imputed
281	1	FILLER	Filler			Blank	
282-283	2	CIG_0	Cigarettes Before Pregnancy	575	R	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
284-285	2	CIG_1	Cigarettes 1st Trimester	575	R	00-97 98	Number of cigarettes daily 98 or more cigarettes daily

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
					99	Unknown or not stated	
					Blank	Not on certificate	
286-287	2	CIG_2	Cigarettes 2nd Trimester	575	R	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
288-289	2	CIG_3	Cigarettes 3rd Trimester	575	R	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
290	1	TOBUSE	Tobacco Use	667	U	1 2 9 Blank	Yes No Unknown or not stated Not on certificate
291-292	2	CIGS	Cigarettes per Day		U	00-97 98 99 Blank	Number of cigarettes daily 98 or more cigarettes daily Unknown or not stated Not on certificate
293	1	CIG_REC6	Cigarette Recode		U	0 1 2 3 4 5 6 Blank	Non-smoker 1 to 5 cigarettes daily 6 to 10 cigarettes daily 11 to 20 cigarettes daily 21 to 40 cigarettes daily 41 or more cigarettes daily Unknown or not stated Not on certificate
294	1	CIG_REC	Cigarette Recode	575	R	Y N U Blank	Yes No Unknown or not stated Not on certificate
295	1	ALCOHOL	Alcohol Use	649	U	1 2 9	Yes No Unknown or not stated

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
						Blank	Not on certificate
296-297	2	DRINKS	Drinks per Week	649	U	00-97 98 99 Blank	Number of drinks weekly 98 or more drinks weekly Unknown or not stated Not on certificate
298	1	DRINKS_REC	Drinks Recode	649	U	0 1 2 3 4 5 Blank	Non drinker 1 drink per week 2 drinks per week 3-4 drinks per week 5 or more drinks per week Unknown or not stated Not on certificate
299-327	29	FILLER	Filler			Blank	
328-344	17		Risk Factors			1 2 9 Blank	Yes No Unknown Not on certificate
			The checkbox items below follow this structure:				
			The version is all 1989 Standard unless otherwise noted.				
328	1	URF_ANEMIA	Anemia	681	U		
329	1	URFARDC	Cardiac	682	U		
330	1	URF_LUNG	Acute or Chronic Lung Disease	683	U		
331	1	URF_DIAB	Diabetes	684	U,R		
332	1	URF_GEN	Genital Herpes	685	U		
333	1	URF_HYDR	Hydramnios / Oligohydramnios	686	U		
334	1	URF_HEMO	Hemoglobinopathy	687	U		
335	1	URF_CHYPER	Chronic Hypertension	688	U,R		
336	1	URF_PHYPER	Pregnancy Associated Hypertension	689	U,R		
337	1	URF_ECLAM	Eclampsia	690	U,R		
338	1	URF_INCERV	Incompetent Cervix	691	U		
339	1	URF_PRE4000	Previous Infant 4000+ Grams	692	U		
340	1	URF_PRETERM	Previous Preterm Small for Gestation	693	U		

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Position	Len	Field	Description	Reporting Flag	Rev*	Values	Definition
				Position			
341	1	URF_RENAL	Renal Disease	694	U		
342	1	URF_RH	Rh Sensitization	695	U		
343	1	URF_UTERINE	Uterine Bleeding	696	U		
344	1	URF_OTHER	Other medical risk factors	697	U		
345-354	10	FILLER	Filler		Blank		
355-361	7		<u>Obstetric Procedures</u>				
			The checkbox items below follow this structure:		1	Yes	
			The version is all 1989 Standard unless otherwise noted.		2	No	
					9	Unknown or not stated	
					Blank	Not on certificate	
355	1	UOP_AMNIO	Amniocentesis	701	U		
356	1	UOP_MONIT	Electronic Fetal Monitoring	702	U		
357	1	UOP_INDUC	Induction of Labor	703	U,R		
358	1	UOP_STIML	Stimulation of Labor	704	U		
359	1	UOP_TOCOL	Tocolysis	705	U,R		
360	1	UOP_ULTRA	Ultrasound	706	U		
361	1	UOP_OTHER	Other Obstetric Procedures	707	U		
362-373	12	FILLER	Filler		Blank		
374-389	16		<u>Complications of Labor and Delivery</u>				
			The checkbox items below follow this structure:		1	Yes	
			The version is all 1989 Standard unless otherwise noted.		2	No	
					9	Unknown or not stated	
					Blank	Not on certificate	
374	1	ULD_FEBR	Febrile	711	U		
375	1	ULD_MECO	Meconium	712	U,R		
376	1	ULD_RUPTR	Premature Rupture of Membrane	713	U		
377	1	ULD_ABRUP	Abruptio Placenta	714	U		
378	1	ULD_PREPLA	Placenta Previa	715	U		
379	1	ULD_EXCBL	Other Excessive Bleeding	716	U		
380	1	ULD_SEIZ	Seizures During Labor	717	U		
381	1	ULD_PRECIP	Precipitous Labor	718	U,R		
382	1	ULD_PROLG	Prolonged Labor	719	U		
383	1	ULD_DYSFN	Dysfunctional Labor	720	U		

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384	1	ULD_BREECH	Breech	721	U,R		
385	1	ULD_CEPHAL	Cephalopelvic Disproportion	722	U		
386	1	ULD_CORD	Cord Prolapse	723	U		
387	1	ULD_ANEST	Anesthetic Complications	724	U		
388	1	ULD_DISTR	Fetal Distress	725	U		
389	1	ULD_OTHER	Other Complications	726	U		
390-394	5	FILLER	Filler			Blank	
395-400	6	Method of Delivery		The checkbox items below follow this structure:	1	Yes	
					2	No	
					9	Unknown or not stated	
395	1	UME_VAG	Vaginal	730	U,R		
396	1	UME_VBAC	Vaginal after C-Section	731	U,R		
397	1	UME_PRIMC	Primary C-Section	732	U,R		
398	1	UME_REPEC	Repeat C-Section	733	U,R		
399	1	UME_FORCP	Forceps	734	U,R		
400	1	UME_VAC	Vacuum	735	U,R		
401	1	DMETH_REC	Delivery Method Recode		U,R	1	Vaginal (excludes vaginal after previous C-section)
					2		Vaginal after previous c-section
					3		Primary C-section
					4		Repeat C-section
					5		Not stated
					6		Vaginal (unknown if previous c-section) (2003 Standard only)
					7		C-section (unknown if previous c-section) (2003 Standard only)
402-407	6	FILLER	Filler			Blank	
408	1	ATTEND	Attendent		U,R	1	Doctor of Medicine (MD)
					2		Doctor of Osteopathy (DO)
					3		Certified Nurse Midwife (CNM)
					4		Other Midwife
					5		Other
					9		Unknown or not stated

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409-414	6	FILLER	Filler			Blank	
415-416	2	APGAR5	Five Minute APGAR Score	574	U,R	00-10 99	A score of 0-10 Unknown or not stated
417	1	APGAR5R	Five Minute APGAR Recode	574	U,R	1 2 3 4 5	A score of 0-3 A score of 4-6 A score of 7-8 A score of 9-10 Unknown or not stated
418-422	5	FILLER	Filler			Blank	
423	1	DPLURAL	Plurality Recode		U,R	1 2 3 4 5	Single Twin Triplet Quadruplet Quintuplet or higher
424	1	FILLER	Filler			Blank	
425	1	IMP_PLUR	Plurality Imputed		U,R	Blank 1	Plurality is not imputed Plurality is imputed
426-435	10	FILLER	Filler			Blank	
436	1	SEX	Sex of Infant		U,R	M F	Male Female
437	1	IMP_SEX	Imputed Sex		U,R	Blank 1	Infant Sex not Imputed Infant Sex is Imputed
438-439	2	DLMP_MM	Last Normal Menses - Month		U,R	01 02 03 04 05	January February March April May

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					06		June
					07		July
					08		August
					09		September
					10		October
					11		November
					12		December
					99		Unknown or not stated
440-441	2	DLMP_DD	Last Normal Menses - Day	U,R	01-31		As applicable to month of LMP
					99		Unknown or not stated
442-445	4	DLMP_YY	Last Normal Menses - Year	U,R	NNNN		Year of last normal menses
					9999		Unknown or not stated
446-447	2	ESTGEST	Obstetric/Clinical Gestation Est.	573	U,R	17-47	17 th through 47 th week of gestation
					99		Unknown or not stated
448-450	3	FILLER	Filler			Blank	
451-452	2	COMBGEST	Gestation – Detail in Weeks		U,R	17-47	17 th through 47 th week of Gestation
					99		Unknown
453-454	2	GESTREC10	Gestation Recode 10		U,R	01	Under 20 weeks
					02		20-27 weeks
					03		28-31 weeks
					04		32-35 weeks
					05		36 weeks
					06		37-39 weeks
					07		40 weeks
					08		41 weeks
					09		42 weeks and over
					10		Unknown
455	1	GESTREC3	Gestation Recode 3		U,R	1	Under 37 weeks
					2		37 weeks and over
					3		Not stated
456	1	OBGEST_FLG	Clinical Estimate of Gestation Used Flag	U,R	Blank		Clinical Estimate is not used
					1		Clinical Estimate is used

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457	1	GEST_IMP	Gestation Imputed Flag		U,R	Blank 1	Gestation is not imputed Gestation is imputed
458-462	5	FILLER	Filler			Blank	
463-466	4	DBWT	Birth Weight – Detail in Grams		U,R	0227-8165	Number of grams
467-470	4	FILLER	Filler			Blank	
471-472	2	BWTR12	Birth Weight Recode 12		U,R	01 02 03 04 05 06 07 08 09 10 11 12	499 grams or less 500 – 999 grams 1000 - 1499 grams 1500 – 1999 grams 2000 – 2499 grams 2500 – 2999 grams 3000 – 3400 grams 3500 – 3999 grams 4000 – 4499 grams 4500 – 4999 grams 5000 – 8165 grams Not Stated
473	1	BWTR4	Birth Weight Recode 4		U,R	1 2 3 4	1499 grams or less 1500 – 2499 grams 2500 grams or more Unknown or not stated
474-482	9	FILLER	Filler			Blank	
483-491	9		Abnormal Conditions of the Newborn				
			The checkbox items below follow this structure:				
483	1	UAB_ANEM	Anemia	740	U		
484	1	UAB_INJURY	Birth Injury	741	U		
485	1	UAB_ALCOH	Fetal Alcohol Syndrome	742	U		
486	1	UAB_HYAL	Hyaline Membrane Disease	743	U		
487	1	UAB_MECON	Meconium Aspiration Syndrome				

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
				744	U		
488	1	UAB_VENL30	Assisted Ventilation < 30 min	745	U		
489	1	UAB_VEN30M	Assisted Ventilation >= 30 min	746	U		
490	1	UAB_NSEIZ	Seizures	747	U		
491	1	UAB_OTHER	Other Abnormal Conditions	748	U		
492-503	12	FILLER	Filler		Blank		
504-525	22		Congenital Anomalies of the Newborn				
			The checkbox items below follow this structure:		1	Anomaly reported	
			The version is all 1989 Standard unless otherwise noted.		2	Anomaly not reported	
					9	Anomaly not classifiable	
					Blank	Not on certificate	
504	1	UCA_ANEN	Anencephalus	752	U,R		
505	1	UCA_SPINA	Spina Bifida / Meningocele	753	U,R		
506	1	UCA_HYDRO	Hydrocephalus	754	U		
507	1	UCA_MICRO	Microcephalus	755	U		
508	1	UCA_NERV	Other Central Nervous System Anomalies	756	U		
509	1	UCA_HEART	Heart Malformations	757	U		
510	1	UCA_CIRC	Other Circulatory / Respiration Anomalies	758	U		
511	1	UCA_RECTAL	Rectal Atresia / Stenosis	759	U		
512	1	UCA_TRACH	Tracheo-Esophageal Fistula	760	U		
513	1	UCA_OMPMA	Omphalocele / Gastroschisis	761	U,R		
514	1	UCA_GASTRO	Other Gastrointestinal Anomalies	762	U		
515	1	UCA_GENITAL	Malformed Genitalia	763	U		
516	1	UCA_RENAL	Renal Agenesis	764	U		
517	1	UCA_UROGEN	Other Urogenital Anomalies	765	U		
518	1	UCA_CELEFTLP	Cleft Lip / Palate	766	U,R		
519	1	UCA_ADACTY	Polydactyly / Syndactyly / Adactyly	767	U		
520	1	UCA_CLUBFT	Club Foot	768	U		
521	1	UCA_HERNIA	Diaphragmatic Hernia	769	U		

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Position	Len	Field	Description	Reporting Flag Position	Rev*	Values	Definition
522	1	UCA_MUSCU	Other Musculoskeletal Anomalies	770	U		
523	1	UCA_DOWNS	Down Syndrome	771	U,R		
524	1	UCA_CHROM	Other Chromosomal Anomalies	772	U		
525	1	UCA_OTHER	Other Congenital Anomalies	773	U		
526-568	43	FILLER	Filler		Blank		
569-773	101		Flag File for Reporting Flags				
			The reporting flags below follow this coding structure:		0	Not reporting	
					1	Reporting	
569	1	F_MORIGIN	Origin of Mother	U,R			
570	1	F_FORIGIN	Origin of Father	U,R			
571	1	F_MEDUC	Education of Mother	R			
572	1	FILLER	Filler		Blank		
573	1	F_CLINEST	Clinical Estimate of Gestation	U,R			
574	1	F_APGAR5	Five minute APGAR	U,R			
575	1	F_TOBACO	Tobacco use	R			
576-646	71	FILLER	Filler		Blank		
647	1	F_MED	Mother's Education	U			
648	1	F_WTGAIN	Weight Gain	U,R			
649	1	F_ALCOL	Alcohol use	U			
650	1	F_API	API Codes	U			
651-666	16	FILLER	Filler		Blank		
667	1	F_TOBAC	Tobacco Use	U			
668	1	F_MPCB	Month Prenatal Care Began	R			
669	1	F_MPCB_U	Month Prenatal Care Began	U			
670-680	11	FILLER	Filler		Blank		
681	1	F_URF_ANEMIA	Anemia	U			
682	1	F_URF_CARDIAC	Cardiac	U			
683	1	F_URF_LUNG	Acute or Chronic Lung Disease	U			
684	1	F_URF_DIABETES	Diabetes	U			
685	1	F_URF_HERPES	Genital Herpes	U			
686	1	F_URF_HYDRA	Hydramnios / Oligohydramnios	U			
687	1	F_URF_HEMO	Hemoglobinopathy	U			
688	1	F_URF_CHYPER	Chronic Hypertension	U			
689	1	F_URF_PHYPER	Pregnancy Associated Hypertension	U			
690	1	F_URF_ECLAMP	Eclampsia	U			

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691	1	F_URF_INCERVIX	Incompetent Cervix		U		
692	1	F_URF_PRE4000	Previous Infant 4000+ Grams		U		
693	1	F_URF_PRETERM	Previous Preterm Small for Gestation		U		
694	1	F_URF_RENAL	Renal Disease		U		
695	1	F_URF_RH	Rh Sensitization		U		
696	1	F_URF_UTERINE	Uterine Bleeding		U		
697	1	F_URF_OTHERMR	Other Medical Risk Factors		U		
698-700	3	FILLER	Filler		Blank		
701	1	F_UOB_AMNIO	Amniocentesis		U		
702	1	F_UOB_MONITOR	Electronic Fetal Monitor		U		
703	1	F_UOB_INDUCT	Induction of Labor		U		
704	1	F_UOB_STIMUL	Stimulation of Labor		U		
705	1	F_UOB_TOCOL	Tocolysis		U		
706	1	F_UOB_ULTRAS	Ultrasound		U		
707	1	F_UOB_OTHEROB	Other Obstetric Procedures		U		
708	3	FILLER	Filler		Blank		
711	1	FULD_FEBRILE	Febrile		U		
712	1	FULD_MECONIUM	Meconium		U		
713	1	FULD_RUPTURE	Premature Rupture of Membrane		U		
714	1	FULD_ABRUPTIO	Abruption Placenta		U		
715	1	FULD_PREPLACE	Placenta Previa		U		
716	1	FULD_EXCEBLD	Other Excessive Bleeding		U		
717	1	FULD_SEIZURE	Seizures During Labor		U		
718	1	FULD_PRECIP	Precipitous Labor		U		
719	1	FULD_PROLONG	Prolonged Labor		U		
720	1	FULD_DYSFUNC	Dysfunctional Labor		U		
721	1	FULD_BREECH	Breech		U		
722	1	FULD_CEPHALO	Cephalopelvic Disproportion		U		
723	1	FULD_CORD	Cord Prolapse		U		
724	1	FULD_ANESTHE	Anesthetic Complications		U		
725	1	FULD_DISTRESS	Fetal Distress		U		
726	1	FULD_OTHERLD	Other Complications		U		
727	3	FILLER	Filler		Blank		
730	1	F_U_VAGINAL	Vaginal		U		
731	1	F_U_VBAC	Vaginal after C-Section		U		
732	1	F_U_PRIMAC	Primary C-Section		U		
733	1	F_U_REPEATC	Repeat C-Section		U		
734	1	F_U_FORCEP	Forceps		U		
735	1	F_U_VACUUM	Vacuum		U		
736-739	4	FILLER	Filler		Blank		

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740	1	F_UAB_ANEMIA	Anemia		U		
741	1	F_UAB_INJURY	Birth Injury		U		
742	1	F_UAB_ALCOSYN	Fetal Alcohol Syndrome		U		
743	1	F_UAB_HYALINE	Hyaline Membrane Disease		U		
744	1	F_UAB_MECONSYN	Meconium Aspiration Syndrome		U		
745	1	F_UAB_VENL30	Assisted Ventilation < 30 min		U		
746	1	F_UAB_VEN30M	Assisted Ventilation >= 30 min		U		
747	1	F_UAB_NSEIZ	Seizures		U		
748	1	F_UAB_OTHERAB	Other Abnormal Conditions		U		
749-751	3	FILLER	Filler			Blank	
752	1	F_UCA_ANEN	Anencephalus		U		
753	1	F_UCA_SPINA	Spina Bifida / Meningocele		U		
754	1	F_UCA_HYDRO	Hydrocephalus		U		
755	1	F_UCA_MICROCE	Microcephalus		U		
756	1	F_UCA_NERVOUS	Other Central Nervous System Anomalies		U		
757	1	F_UCA_HEART	Heart Malformations		U		
758	1	F_UCA_CIRCUL	Other Circulatory / Respiration Anomalies		U		
759	1	F_UCA_RECTAL	Rectal Atresia / Stenosis		U		
760	1	F_UCA_TRACHEO	Tracheo-Esophageal Fistula		U		
761	1	F_UCA_OMPHALO	Omphalocele / Gastrochisis		U		
762	1	F_UCA_GASTRO	Other Gastrointestinal Anomalies		U		
763	1	F_UCA_GENITAL	Malformed Genitalia		U		
764	1	F_UCA_RENALAG	Renal Agenesis		U		
765	1	F_UCA_UROGEN	Other Urogenital Anomalies		U		
766	1	F_UCA_CLEFTLP	Cleft Lip / Palate		U		
767	1	F_UCA_ADACTYL	Polydactyly / Syndactyly / Adactyly		U		
768	1	F_UCA_CLUB	Club Foot		U		
769	1	F_UCA_HERNIA	Diaphragmatic Hernia		U		
770	1	F_UCA_MUSCULO	Other Musculoskeletal Anomalies		U		
771	1	F_UCA_DOWNS	Downs Syndrome		U		
772	1	F_UCA_CHROMO	Other Chromosomal Anomalies		U		
773	1	F_UCA_OTHRCON	Other Congenital Anomalies		U		
774-1087	314	FILLER	Filler			Blank	
1088-1111	24	<u>Mother's Race Edited</u>		R**	100-999	Mother's Race Edited Code	
1088	3	MRACE1E		A00-R99	(A complete list of race codes is available further back in this document and at http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf .)		
1091	3	MRACE2E					
1094	3	MRACE3E					

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Position	Len	Field	Description	Reporting Flag	Rev*	Values	Definition
				Position			
1097	3	MRACE4E					
1100	3	MRACE5E					
1103	3	MRACE6E					
1106	3	MRACE7E					
1109	3	MRACE8E					
** Also includes unrevised states that are reporting multiple race							
1112-1421	310	FILLER	Filler		Blank		
1422-1445	24	<u>Father's Race Edited</u>		R**	100-999 A00-R99	Father's Race Edited Code	
1422	3	FRACE1E				(A complete list of race codes is available further back in this document and at	
1425	3	FRACE2E				http://www.cdc.gov/nchs/data/dvs/RaceCodeList.pdf .)	
1428	3	FRACE3E					
1431	3	FRACE4E					
1434	3	FRACE5E					
1437	3	FRACE6E					
1440	3	FRACE7E					
1443	3	FRACE8E					
** Also includes unrevised states that are reporting multiple race							
1446-1500	55	FILLER	Filler		Blank		

*U,R Includes data based on both the 1989 Revision of the U.S. Certificate of Live Birth (unrevised), and the 2003 Revision of the U.S. Certificate of Live Birth (revised).

U Includes data based on the 1989 Revision of the U.S. Certificate of Live Birth; excludes data based on the 2003 Revision.

R Includes data based on the 2003 Revision of the U.S. Certificate of Live Birth; excludes data based on the 1989 Revision.

Vital Statistics Geographic Code Outline for the United States

The following pages show in detail the geographic codes used by the Division of Vital Statistics in the processing of vital event data occurring in the United States. When an event occurs to a nonresident of the United States, residence data are coded only to the "State" level; several western hemisphere countries or the remainder of the world are uniquely identified. Federal Information Processing Standards (FIPS) geographic codes are used on the vital event public-use files. Codes are effective with the 2003 data year and are based on the 2000 Census.

To aid the user in interpreting the geographic codes, a brief explanation of the codes and of the column headings/abbreviations shown on the following pages is given below:

State (St): Each State and the District of Columbia are identified by the standard two-letter postal abbreviation. In addition, several unique codes are used to identify nonresidents of the U.S.

County (Cnty): Counties and county equivalents (independent and coextensive cities) are numbered alphabetically within each State.

P/MSA: Primary metropolitan statistical areas and metropolitan statistical areas are those established by the U.S. Office of Management and Budget (OMB) using 1990 Census population counts. For New England, the New England County Metropolitan Areas (NECMA) are used.

M/NM: Metropolitan counties (code 1) are component counties of P/MSA's. Nonmetropolitan counties (code 2) are not part of any P/MSA.

City or Place: Cities/Places are numbered alphabetically within each State and identify each city with a population of 10,000 or more in 2000.

P/S: Population size code for city/place of residence based on the 2000 Census. Refer to the code outline given earlier in this document for specific codes and meanings.

Name: Each State, county, and city name is listed along with its respective code. In addition, places used to identify nonresidents of the U.S. are also listed along with their codes.

FIPS: For an explanation of FIPS codes, reference should be made to various National Institute of Standards and Technology (NIST) publications.

So! How do I find Yavapai county, Arizona; or Tupelo city, Mississippi?

Since counties and cities/places are numbered within State, the State and county or the State and city/places codes must be used to select these areas. It is most helpful if the county is known when looking for a particular city since areas are shown by State, county, and city/place.

Yavapai county, Arizona - State and county codes (FIPS): AZ 025.

Tupelo, Mississippi - State and city/place codes (FIPS): MS 74840; or State, county, city/place codes (FIPS): MS 081 74840.

Vital Statistics Geographic Code Outline For The United States
Effective With 2004 Data.

Page 1

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AL						Alabama	AL				
001	188	1		Autauga			001	5	5240		
			068	6		Millbrook, part				48712	
			035	6		Prattville, part				62328	
			999	9		Balance of county				99999	
002	184	1		Baldwin			003	3	5160		
			010	6		Daphne				19648	
			058	6		Fairhope				25240	
			999	9		Balance of county				99999	
003	000	2		Barbour			005	5	0000		
			014	6		Eufaula				24568	
			999	9		Balance of county				99999	
004	000	2	999	9		Bibb		007	6	0000	
005	032	1	999	9		Blount		009	4	1000	
006	000	2	999	9		Bullock		011	6	0000	
007	000	2	999	9		Butler		013	6	0000	
008	012	1		Calhoun			015	3	0450		
			004	6		Anniston				01852	
			063	6		Oxford, part				57576	
			999	9		Balance of county				99999	
009	000	2	999	9		Chambers		017	5	0000	
010	000	2	999	9		Cherokee		019	6	0000	
011	000	2	999	9		Chilton		021	5	0000	
012	000	2	999	9		Choctaw		023	6	0000	
013	000	2	999	9		Clarke		025	5	0000	
014	000	2	999	9		Clay		027	6	0000	
015	000	2	999	9		Cleburne		029	6	0000	
016	000	2				Coffee		031	5	0000	
			013	6		Enterprise, part				24184	
			999	9		Balance of county				99999	
017	094	1		Colbert			033	4	2650		
			062	6		Muscle Shoals				53016	
			999	9		Balance of county				99999	
018	000	2	999	9		Conecuh		035	6	0000	
019	000	2	999	9		Coosa		037	6	0000	
020	000	2	999	9		Covington		039	5	0000	
021	000	2	999	9		Crenshaw		041	6	0000	
022	000	2				Cullman		043	4	0000	
			009	6		Cullman				18976	
			999	9		Balance of county				99999	
023	077	1		Dale			045	5	2180		
			012	4		Dothan, part				21184	
			013	6		Enterprise, part				24184	
			033	6		Ozark				57648	
			999	9		Balance of county				99999	
024	000	2		Dallas			047	5	0000		
			039	6		Selma				69120	
			999	9		Balance of county				99999	
025	000	2		DeKalb			049	4	0000		
			017	6		Fort Payne				27616	
			999	9		Balance of county				99999	
026	188	1		Elmore			051	4	5240		
			061	6		Millbrook, part				48712	
			035	6		Prattville, part				62328	
			999	9		Balance of county				99999	
027	000	2	999	9		Escambia		053	5	0000	
028	105	1				Etowah		055	3	2880	
			018	5		Gadsden				28696	
			999	9		Balance of county				99999	
029	000	2	999	9		Fayette		057	6	0000	
030	000	2	999	9		Franklin		059	5	0000	
031	000	2	999	9		Geneva		061	5	0000	
032	000	2	999	9		Greene		063	9	0000	
033	000	2	999	9		Hale		065	6	0000	
034	000	2				Henry		067	6	0000	
			071	4		Dothan, part				21184	
			999	9		Balance of county				99999	
035	077	1		Houston			069	4	2180		
			012	4		Dothan, part				21184	
			999	9		Balance of county				99999	
036	000	2		Jackson			071	4	0000		
			038	6		Scottsboro				68736	
			999	9		Balance of county				99999	
037	032	1		Jefferson			073	1	1000		
			007	5		Bessemer				05980	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
AL				Alabama	AL		
	037			Jefferson, con.		073	1 1000
		008	3	Birmingham, part			07000
		015	6	Fairfield			25120
		059	6	Gardendale			29056
		067	6	Helena, part			34024
		020	5	Homewood			35800
		021	4	Hoover, part			35896
		022	6	Hueytown			36448
		026	6	Leeds, part			41968
		030	6	Mountain Brook			51696
		065	6	Trussville, part			76944
		046	6	Vestavia Hills			78552
		999	9	Balance of county			99999
	038	000	2	999 9	Lamar	075	6 0000
	039	094	1	Lauderdale		077	4 2650
			016	5 Florence			26896
			999	9 Balance of county			99999
	040	072	1	999 9	Lawrence	079	5 2030
	041	000	2	Lee		081	3 0000
		006	5 Auburn				03076
		032	6 Opelika				57048
		034	5 Phenix City, part				59472
		999	9 Balance of county				99999
	042	129	1	Limestone		083	4 3440
		005	6 Athens				02956
		011	4 Decatur, part				20104
		023	3 Huntsville, part				37000
		027	5 Madison, part				45784
		999	9 Balance of county				99999
	043	000	2	999 9	Lowndes	085	6 0000
	044	000	2	Macon		087	6 0000
		045	6 Tuskegee				77304
		999	9 Balance of county				99999
	045	129	1	Madison		089	2 3440
		023	3 Huntsville, part				37000
		027	5 Madison, part				45784
		999	9 Balance of county				99999
	046	000	2	999 9	Marengo	091	6 0000
	047	000	2	999 9	Marion	093	5 0000
	048	000	2	Marshall		095	4 0000
		002	6 Albertville				00988
		999	9 Balance of county				99999
	049	184	1	Mobile		097	2 5160
		028	3 Mobile				50000
		036	5 Prichard				62496
		037	6 Saraland				68160
		999	9 Balance of county				99999
	050	000	2	999 9	Monroe	099	6 0000
	051	188	1	Montgomery		101	3 5240
		029	3 Montgomery				51000
		999	9 Balance of county				99999
	052	072	1	Morgan		103	3 2030
		011	4 Decatur, part				20104
		019	6 Hartselle				33448
		999	9 Balance of county				99999
	053	000	2	999 9	Perry	105	6 0000
	054	000	2	999 9	Pickens	107	6 0000
	055	000	2	Pike		109	5 0000
		043	6 Troy				76920
		999	9 Balance of county				99999
	056	000	2	999 9	Randolph	111	6 0000
	057	063	1	Russell		113	5 1800
		034	5 Phenix City, part				59472
		999	9 Balance of county				99999
	058	032	1	St. Clair		115	4 1000
		026	6 Leeds, part				41968
		069	6 Trussville, part				76944
		999	9 Balance of county				99999
	059	032	1	Shelby		117	3 1000
		001	6 Alabaster				00820
		008	3 Birmingham, part				07000
		060	6 Helena, part				34024
		021	4 Hoover, part				35896
		026	6 Leeds, part				41968

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AL				Alabama			AL				
	059			Shelby, con.				117	3	1000	
		064	6	Pelham						58848	
		070	6	Vestavia Hills, part						78552	
		999	9	Balance of county						99999	
	060	000	2	999	9	Sumter		119	6	0000	
	061	000	2			Talladega		121	4	0000	
		066	6	Oxford, part						57576	
		041	6	Sylacauga						74352	
		042	6	Talladega						74592	
		999	9	Balance of county						99999	
	062	000	2			Tallapoosa		123	5	0000	
		003	6	Alexander City						01132	
		999	9	Balance of county						99999	
	063	287	1			Tuscaloosa		125	3	8600	
		031	6	Northport						55200	
		044	4	Tuscaloosa						77256	
		999	9	Balance of county						99999	
	064	000	2			Walker		127	4	0000	
		025	6	Jasper						38416	
		999	9	Balance of county						99999	
	065	000	2	999	9	Washington		129	6	0000	
	066	000	2	999	9	Wilcox		131	6	0000	
	067	000	2	999	9	Winston		133	6	0000	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AK				Alaska						AK	
001	000	2	999	9		Aleutians East	013	9	0000		
002	000	2	999	9		Aleutians West	016	9	0000		
003	010	1	001	2		Anchorage, coext. with Anchorage city	020	2	0380	03000	
004	000	2	999	9		Bethel	050	6	0000		
005	000	2	999	9		Bristol Bay	060	9	0000		
006	000	2	999	9		Dillingham	070	9	0000		
007	000	2				Fairbanks North Star	090	4	0000		
			002	5		Fairbanks				24230	
			999	9		Balance of area				99999	
008	000	2	999	9		Haines	100	9	0000		
009	000	2	003	5		Juneau, coext. with Juneau city	110	5	0000	36400	
010	000	2	999	9		Kenai Peninsula	122	5	0000		
011	000	2	999	9		Ketchikan Gateway	130	6	0000		
012	000	2	999	9		Kodiak Island	150	6	0000		
013	000	2	999	9		Lake and Peninsula	164	9	0000		
014	000	2	999	9		Matanuska-Susitna	170	4	0000		
015	000	2	999	9		Nome	180	9	0000		
016	000	2	999	9		North Slope	185	9	0000		
017	000	2	999	9		Northwest Arctic	188	9	0000		
018	000	2	999	9		Prince of Wales-Outer Ketchikan	201	9	0000		
019	000	2	999	9		Sitka	220	9	0000		
020	000	2	999	9		Skagway-Hoonah-Angoon	232	9	0000		
021	000	2	999	9		Southeast Fairbanks	240	9	0000		
022	000	2	999	9		Valdez-Cordova	261	6	0000		
023	000	2	999	9		Wade Hampton	270	9	0000		
024	000	2	999	9		Wrangell-Petersburg	280	9	0000		
025	000	2	999	9		Yakutat	282	9	0000		
026	000	2	999	9		Yukon-Koyukuk	290	9	0000		
027	000	2	999	9		Denali	068	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AZ				Arizona			AZ				
001	000	2	999	9		Apache	001	4	0000		
002	000	2				Cochise	003	3	0000		
			006	6		Douglas				20050	
			020	5		Sierra Vista				66820	
			999	9		Balance of county				99999	
003	000	2				Coconino	005	3	0000		
			007	4		Flagstaff				23620	
			035	6		Sedona, part				65350	
			999	9		Balance of county				99999	
004	000	2				Gila	007	4	0000		
			030	6		Payson				53700	
			999	9		Balance of county				99999	
005	000	2	999	9		Graham	009	5	0000		
006	000	2	999	9		Greenlee	011	9	0000		
007	000	2	999	9		La Paz	012	6	0000		
008	215	1				Maricopa	013	0	6200		
			001	5		Apache Junction, part				02830	
			002	5		Avondale				04720	
			005	3		Chandler				12000	
			008	6		Fountain Hills				25300	
			009	3		Gilbert				27400	
			010	3		Glendale				27820	
			027	6		Goodyear				28380	
			013	2		Mesa				46000	
			015	6		Paradise Valley				52930	
			016	3		Peoria, part				54050	
			017	0		Phoenix				55000	
			019	3		Scottsdale				65000	
			034	5		Surprise				71510	
			021	3		Tempe				73000	
			999	9		Balance of county				99999	
009	159	1				Mohave	015	3	4120		
			003	5		Bullhead City				08220	
			011	6		Kingman				37620	
			012	5		Lake Havasu City				39370	
			999	9		Balance of county				99999	
010	000	2	999	9		Navajo	017	4	0000		
011	285	1				Pima	019	1	8520		
			028	6		Marana				44270	
			029	5		Oro Valley				51600	
			022	2		Tucson				77000	
			999	9		Balance of county				99999	
012	215	1				Pinal	021	3	6200		
			001	5		Apache Junction, part				02830	
			004	5		Casa Grande				10530	
			025	6		Eloy				22360	
			026	6		Florence				23760	
			999	9		Balance of county				99999	
013	000	2				Santa Cruz	023	5	0000		
			014	6		Nogales				49640	
			999	9		Balance of county				99999	
014	000	2				Yavapai	025	3	0000		
			036	3		Peoria, part				54050	
			018	5		Prescott				57380	
			031	6		Prescott Valley				57450	
			033	6		Sedona, part				65350	
			999	9		Balance of county				99999	
015	311	1				Yuma	027	3	9360		
			032	6		San Luis				63470	
			023	4		Yuma				85540	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AR				Arkansas			AR				
001	000	2	999	9		Arkansas	001	6	0000		
002	000	2	999	9		Ashley	003	6	0000		
003	000	2				Baxter	005	5	0000		
			034	6		Mountain Home				47390	
			999	9		Balance of county				99999	
004	092	1				Benton	007	3	2580		
			003	6		Bentonville				05320	
			019	5		Rogers				60410	
			035	6		Siloam Springs				64370	
			023	5		Springdale, part				66080	
			999	9		Balance of county				99999	
005	000	2				Boone	009	5	0000		
			031	6		Harrison				30460	
			999	9		Balance of county				99999	
006	000	2	999	9		Bradley	011	6	0000		
007	000	2	999	9		Calhoun	013	9	0000		
008	000	2	999	9		Carroll	015	5	0000		
009	000	2	999	9		Chicot	017	6	0000		
010	000	2				Clark	019	6	0000		
			001	6		Arkadelphia				01870	
			999	9		Balance of county				99999	
011	000	2	999	9		Clay	021	6	0000		
012	000	2	999	9		Cleburne	023	6	0000		
013	000	2	999	9		Cleveland	025	9	0000		
014	000	2				Columbia	027	5	0000		
			015	6		Magnolia				43460	
			999	9		Balance of county				99999	
015	000	2	999	9		Conway	029	6	0000		
016	000	2				Craighead	031	4	0000		
			013	4		Jonesboro				35710	
			999	9		Balance of county				99999	
017	100	1				Crawford	033	4	2720		
			026	6		Van Buren				71480	
			999	9		Balance of county				99999	
018	178	1				Crittenden	035	4	4920		
			028	5		West Memphis				74540	
			999	9		Balance of county				99999	
019	000	2	999	9		Cross	037	6	0000		
020	000	2	999	9		Dallas	039	9	0000		
021	000	2	999	9		Desha	041	6	0000		
022	000	2	999	9		Drew	043	6	0000		
023	166	1				Faulkner	045	4	4400		
			006	5		Conway				15190	
			999	9		Balance of county				99999	
024	000	2	999	9		Franklin	047	6	0000		
025	000	2	999	9		Fulton	049	6	0000		
026	000	2				Garland	051	4	0000		
			011	5		Hot Springs				33400	
			999	9		Balance of county				99999	
027	000	2	999	9		Grant	053	6	0000		
028	000	2				Greene	055	5	0000		
			017	6		Paragould				53390	
			999	9		Balance of county				99999	
029	000	2				Hempstead	057	6	0000		
			032	6		Hope				33190	
			999	9		Balance of county				99999	
030	000	2	999	9		Hot Spring	059	5	0000		
031	000	2	999	9		Howard	061	6	0000		
032	000	2	999	9		Independence	063	5	0000		
033	000	2	999	9		Izard	065	6	0000		
034	000	2	999	9		Jackson	067	6	0000		
035	216	1				Jefferson	069	4	6240		
			018	4		Pine Bluff				55310	
			999	9		Balance of county				99999	
036	000	2	999	9		Johnson	071	6	0000		
037	000	2	999	9		Lafayette	073	9	0000		
038	000	2	999	9		Lawrence	075	6	0000		
039	000	2	999	9		Lee	077	6	0000		
040	000	2	999	9		Lincoln	079	6	0000		
041	000	2	999	9		Little River	081	6	0000		
042	000	2	999	9		Logan	083	6	0000		
043	166	1				Lonoke	085	4	4400		
			030	6		Cabot				10300	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
AR						Arkansas	AR				
	044	000	2	999	9	Madison		087	6	0000	
	045	000	2	999	9	Marion		089	6	0000	
	046	281	1			Miller		091	5	8360	
				025	5	Texarkana					68810
				999	9	Balance of county					99999
	047	000	2			Mississippi		093	4	0000	
				004	6	Blytheville					07330
				999	9	Balance of county					99999
	048	000	2	999	9	Monroe		095	6	0000	
	049	000	2	999	9	Montgomery		097	9	0000	
	050	000	2	999	9	Nevada		099	9	0000	
	051	000	2	999	9	Newton		101	9	0000	
	052	000	2			Ouachita		103	5	0000	
				005	6	Camden					10720
				999	9	Balance of county					99999
	053	000	2	999	9	Perry		105	6	0000	
	054	000	2	999	9	Phillips		107	5	0000	
	055	000	2	999	9	Pike		109	6	0000	
	056	000	2	999	9	Poinsett		111	5	0000	
	057	000	2	999	9	Polk		113	6	0000	
	058	000	2			Pope		115	4	0000	
				020	6	Russellville					61670
				999	9	Balance of county					99999
	059	000	2	999	9	Prairie		117	9	0000	
	060	166	1			Pulaski		119	2	4400	
				012	5	Jacksonville					34750
				014	3	Little Rock					41000
				033	6	Maumelle					44600
				016	4	North Little Rock					50450
				022	6	Sherwood					63800
				999	9	Balance of county					99999
	061	000	2	999	9	Randolph		121	6	0000	
	062	000	2			St. Francis		123	5	0000	
				009	6	Forrest City					24430
				999	9	Balance of county					99999
	063	166	1			Saline		125	4	4400	
				002	6	Benton					05290
				999	9	Balance of county					99999
	064	000	2	999	9	Scott		127	6	0000	
	065	000	2	999	9	Searcy		129	9	0000	
	066	100	1			Sebastian		131	3	2720	
				010	4	Fort Smith					24550
				999	9	Balance of county					99999
	067	000	2	999	9	Sevier		133	6	0000	
	068	000	2	999	9	Sharp		135	6	0000	
	069	000	2	999	9	Stone		137	6	0000	
	070	000	2			Union		139	5	0000	
				007	6	El Dorado					21070
				999	9	Balance of county					99999
	071	000	2	999	9	Van Buren		141	6	0000	
	072	092	1			Washington		143	3	2580	
				008	4	Fayetteville					23290
				023	5	Springdale, part					66080
				999	9	Balance of county					99999
	073	000	2			White		145	4	0000	
				021	6	Searcy					63020
				999	9	Balance of county					99999
	074	000	2	999	9	Woodruff		147	9	0000	
	075	000	2	999	9	Yell		149	6	0000	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
001	201	1		Alameda		001	0 5775
				Alameda			00562
				Albany			00674
				Berkeley			06000
				Dublin			20018
				Fremont			26000
				Hayward			33000
				Livermore			41992
				Newark			50916
				Oakland			53000
				Piedmont			56938
				Pleasanton			57792
				San Leandro			68084
				Union City			81204
				Balance of county			99999
002	000	2	999	9 Alpine		003	9 0000
003	000	2	999	9 Amador		005	5 0000
004	056	1		Butte		007	3 1620
				Chico			13014
				Oroville			54386
				Paradise			55520
				Balance of county			99999
005	000	2	999	9 Calaveras		009	5 0000
006	000	2	999	9 Colusa		011	6 0000
007	201	1		Contra Costa		013	1 5775
				Antioch			02252
				Brentwood			08142
				Clayton			13882
				Concord			16000
				Danville			17988
				El Cerrito			21796
				Hercules			33308
				Lafayette			39122
				Martinez			46114
				Moraga			49187
				Oakley			53070
				Orinda			54232
				Pinole			57288
				Pittsburg			57456
				Pleasant Hill			57764
				Richmond			60620
				San Pablo			68294
				San Ramon			68378
				Walnut Creek			83346
				Balance of county			99999
008	000	2	999	9 Del Norte		015	5 0000
009	239	1		El Dorado		017	3 6920
				South Lake Tahoe			73108
				Balance of county			99999
010	104	1		Fresno		019	1 2840
				Clovis			14218
				Coalinga			14274
				Fresno			27000
				Parlier			55856
				Reedley			60242
				Sanger			67056
				Selma			70882
				Balance of county			99999
011	000	2	999	9 Glenn		021	5 0000
012	000	2		Humboldt		023	3 0000
				Arcata			02476
				Eureka			23042
				Fortuna			25296
				Balance of county			99999
013	000	2		Imperial		025	3 0000
				Brawley			08058
				Calexico			09710
				El Centro			21782
				Balance of county			99999
014	000	2	999	9 Inyo		027	6 0000
015	020	1		Kern		029	1 0680
				Arvin			02924
				Bakersfield			03526
				Delano			18394

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
	015			Kern, con.		029	1 0680
		219	6	Ridgecrest			60704
		344	6	Shafter			71106
		347	6	Tehachapi			78092
		296	6	Wasco			83542
		999	9	Balance of county			99999
016	000	2		Kings		031	3 0000
		309	6	Avenal			03302
		053	6	Corcoran			16224
		100	5	Hanford			31960
		134	6	Lemoore			41152
		999	9	Balance of county			99999
017	000	2		Lake		033	4 0000
		046	6	Clearlake			13945
		999	9	Balance of county			99999
018	000	2		Lassen		035	5 0000
		346	6	Susanville			77364
		999	9	Balance of county			99999
019	168	1		Los Angeles		037	0 4480
		001	6	Agoura Hills			00394
		004	4	Alhambra			00884
		008	4	Arcadia			02462
		011	6	Artesia			02896
		015	5	Azusa			03386
		017	4	Baldwin Park			03666
		020	5	Bell			04870
		021	4	Bellflower			04982
		022	5	Bell Gardens			04996
		026	5	Beverly Hills			06308
		030	3	Burbank			08954
		313	6	Calabasas			09598
		038	4	Carson			11530
		041	4	Cerritos			12552
		045	5	Claremont			13756
		050	6	Commerce			14974
		051	4	Compton			15044
		057	5	Covina			16742
		058	6	Cudahy			17498
		059	5	Culver City			17568
		068	4	Diamond Bar			19192
		071	3	Downey			19766
		072	6	Duarte			19990
		078	3	El Monte			22230
		080	6	El Segundo			22412
		093	4	Gardena			28168
		096	3	Glendale			30000
		097	5	Glendora			30014
		101	6	Hawaiian Gardens			32506
		102	4	Hawthorne			32548
		106	6	Hermosa Beach			33364
		112	4	Huntington Park			36056
		115	3	Inglewood			36546
		117	6	La Canada Flintridge			39003
		123	4	Lakewood			39892
		125	5	La Mirada			40032
		126	3	Lancaster			40130
		128	5	La Puente			40340
		131	5	La Verne			40830
		132	5	Lawndale			40886
		138	6	Lomita			42468
		140	2	Long Beach			43000
		143	0	Los Angeles			44000
		146	4	Lynwood			44574
		333	6	Malibu			45246
		148	5	Manhattan Beach			45400
		153	5	Maywood			46492
		161	5	Monrovia			48648
		163	4	Montebello			48816
		165	4	Monterey Park			48914
		176	3	Norwalk			52526
		188	3	Palmdale			55156
		192	6	Palos Verdes Estates			55380
		194	4	Paramount			55618
		195	3	Pasadena			56000

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
	019			Los Angeles, con.		037	0 4480
		198	4	Pico Rivera			56924
		205	3	Pomona			58072
		210	5	Rancho Palos Verdes			59514
		214	4	Redondo Beach			60018
		223	4	Rosemead			62896
		234	5	San Dimas			66070
		235	6	San Fernando			66140
		237	5	San Gabriel			67042
		245	6	San Marino			68224
		253	3	Santa Clarita			69088
		255	6	Santa Fe Springs			69154
		257	4	Santa Monica			70000
		265	6	Sierra Madre			71806
		268	6	South El Monte			72996
		269	4	South Gate			73080
		271	6	South Pasadena			73220
		278	5	Temple City			78148
		280	3	Torrance			80000
		294	5	Walnut			83332
		298	3	West Covina			84200
		299	5	West Hollywood			84410
		302	4	Whittier			85292
		999	9	Balance of county			99999
020	104	1		Madera		039	3 2840
		315	6	Chowchilla			13294
		147	5	Madera			45022
		999	9	Balance of county			99999
021	250	1		Marin		041	3 7360
		130	6	Larkspur			40438
		157	6	Mill Valley			47710
		177	5	Novato			52582
		227	6	San Anselmo			64434
		248	4	San Rafael			68364
		999	9	Balance of county			99999
022	000	2		Mariposa		043	6 0000
023	000	2		Mendocino		045	4 0000
		286	6	Ukiah			81134
		999	9	Balance of county			99999
024	179	1		Merced		047	3 4940
		013	6	Atwater			03162
		332	6	Livingston			42006
		144	5	Los Banos			44028
		155	4	Merced			46898
		999	9	Balance of county			99999
025	000	2		Modoc		049	9 0000
026	000	2		Mono		051	6 0000
027	245	1		Monterey		053	2 7120
		322	6	Greenfield			30994
		325	6	King City			38520
		150	5	Marina			45778
		164	5	Monterey			48872
		187	6	Pacific Grove			54848
		226	3	Salinas			64224
		263	5	Seaside			70742
		345	6	Soledad			72520
		999	9	Balance of county			99999
028	290	1		Napa		055	3 8720
		171	4	Napa			50258
		999	9	Balance of county			99999
029	000	2		Nevada		057	4 0000
		321	6	Grass Valley			30798
		348	6	Truckee			80588
		999	9	Balance of county			99999
030	207	1		Orange		059	0 5945
		005	2	Anaheim			02000
		028	5	Brea			08100
		029	4	Buena Park			08786
		056	3	Costa Mesa			16532
		061	5	Cypress			17750
		063	5	Dana Point			17946
		089	4	Fountain Valley			25380
		092	3	Fullerton			28000
		094	3	Garden Grove			29000

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
030				Orange, con.		059 0	5945
				111 3 Huntington Beach			36000
				116 3 Irvine			36770
				119 6 Laguna Beach			39178
				326 5 Laguna Hills			39220
				120 4 Laguna Niguel			39248
				327 6 Laguna Woods			39259
				121 4 La Habra			39290
				328 4 Lake Forest			39496
				127 6 La Palma			40256
				141 6 Los Alamitos			43224
				159 4 Mission Viejo			48256
				174 4 Newport Beach			51182
				182 3 Orange			53980
				202 5 Placentia			57526
				340 5 Rancho Santa Margarita			59587
				232 5 San Clemente			65084
				241 5 San Juan Capistrano			68028
				250 2 Santa Ana			69000
				262 6 Seal Beach			70686
				273 5 Stanton			73962
				284 4 Tustin			80854
				300 4 Westminster			84550
				304 4 Yorba Linda			86832
				999 9 Balance of county			99999
031	239	1		Placer		061 3	6920
				014 6 Auburn			03204
				330 6 Lincoln			41474
				221 5 Rocklin			62364
				224 4 Roseville			62938
				999 9 Balance of county			99999
032	000	2	999	9 Plumas		063 6	0000
033	233	1		Riverside		065 0	6780
				018 6 Banning			03820
				310 6 Beaumont			04758
				311 6 Blythe			07218
				039 5 Cathedral City			12048
				048 6 Coachella			14260
				054 3 Corona			16350
				067 6 Desert Hot Springs			18996
				104 4 Hemet			33182
				114 5 Indio			36448
				122 5 Lake Elsinore			39486
				129 6 La Quinta			40354
				168 3 Moreno Valley			49270
				335 5 Murrieta			50076
				175 6 Norco			51560
				189 5 Palm Desert			55184
				190 5 Palm Springs			55254
				196 5 Perris			56700
				339 6 Rancho Mirage			59500
				220 2 Riverside			62000
				239 6 San Jacinto			67112
				277 4 Temecula			78120
				999 9 Balance of county			99999
034	239	1		Sacramento		067 0	6920
				316 4 Citrus Heights			13588
				086 4 Folsom			24638
				320 6 Galt			28112
				225 2 Sacramento			64000
				999 9 Balance of county			99999
035	000	2		San Benito		069 4	0000
				110 5 Hollister			34120
				999 9 Balance of county			99999
036	233	1		San Bernardino		071 0	6780
				307 6 Adelanto			00296
				007 4 Apple Valley			02364
				019 6 Barstow			04030
				043 4 Chino			13210
				314 4 Chino Hills			13214
				049 5 Colton			14890
				087 3 Fontana			24680
				098 6 Grand Terrace			30658
				107 4 Hesperia			33434

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
	036			San Bernardino, con.		071 0	6780
108	5			Highland			33588
137	6			Loma Linda			42370
162	5			Montclair			48788
181	3			Ontario			53896
209	3			Rancho Cucamonga			59451
213	4			Redlands			59962
217	4			Rialto			60466
228	3			San Bernardino			65000
285	6			Twentynine Palms			80994
288	4			Upland			81344
291	4			Victorville			82590
306	5			Yucaipa			87042
350	6			Yucca Valley			87056
999	9			Balance of county			99999
037	249	1		San Diego		073 0	7320
036	4			Carlsbad			11194
044	3			Chula Vista			13392
055	6			Coronado			16378
075	4			El Cajon			21712
081	4			Encinitas			22678
082	3			Escondido			22804
113	5			Imperial Beach			36294
124	4			La Mesa			40004
133	6			Lemon Grove			41124
172	4			National City			50398
180	3			Oceanside			53322
208	5			Poway			58520
233	0			San Diego			66000
244	4			San Marcos			68196
260	4			Santee			70224
267	6			Solana Beach			72506
293	4			Vista			82996
999	9			Balance of county			99999
038	250	1		San Francisco, coext. with San Francisco	075 1	7360	67000
039	274	1		San Joaquin	077 1	8120	
329	6			Lathrop			40704
136	4			Lodi			42202
149	5			Manteca			45484
341	6			Ripon			61026
274	3			Stockton			75000
281	4			Tracy			80238
999	9			Balance of county			99999
040	252	1		San Luis Obispo	079 3	7460	
010	6			Arroyo Grande			02868
012	5			Atascadero			03064
079	6			El Paso de Robles			22300
099	6			Grover Beach			31393
334	6			Morro Bay			49362
243	5			San Luis Obispo			68154
999	9			Balance of county			99999
041	250	1		San Mateo	081 1	7360	
023	5			Belmont			05108
031	5			Burlingame			09066
062	3			Daly City			17918
074	5			East Palo Alto			20956
088	5			Foster City			25338
323	6			Half Moon Bay			31708
109	6			Hillsborough			33798
154	5			Menlo Park			46870
156	6			Millbrae			47486
186	5			Pacifica			54806
215	4			Redwood City			60102
229	5			San Bruno			65028
231	5			San Carlos			65070
246	4			San Mateo			68252
272	4			South San Francisco			73262
999	9			Balance of county			99999
042	253	1		Santa Barbara	083 2	7480	
037	6			Carpinteria			11446
139	5			Lompoc			42524
251	4			Santa Barbara			69070
256	4			Santa Maria			69196
999	9			Balance of county			99999

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
043	251	1		Santa Clara		085	0 7400
				034 5 Campbell			10345
				060 4 Cupertino			17610
				095 5 Gilroy			29504
				142 5 Los Altos			43280
				145 5 Los Gatos			44112
				158 4 Milpitas			47766
				169 5 Morgan Hill			49278
				170 4 Mountain View			49670
				191 4 Palo Alto			55282
				240 1 San Jose			68000
				252 3 Santa Clara			69084
				261 5 Saratoga			70280
				276 3 Sunnyvale			77000
				999 9 Balance of county			99999
044	254	1		Santa Cruz		087	2 7485
				035 6 Capitola			11040
				254 4 Santa Cruz			69112
				343 6 Scotts Valley			70588
				297 5 Watsonville			83668
				999 9 Balance of county			99999
045	229	1		Shasta		089	3 6690
				212 4 Redding			59920
				999 9 Balance of county			99999
046	000	2		Sierra		091	9 0000
047	000	2		Siskiyou		093	5 0000
048	290	1		Solano		095	2 8720
				024 5 Benicia			05290
				070 6 Dixon			19402
				084 4 Fairfield			23182
				275 5 Suisun City			75630
				289 4 Vacaville			81554
				290 3 Vallejo			81666
				999 9 Balance of county			99999
049	256	1		Sonoma		097	2 7500
				324 6 Healdsburg			33056
				197 4 Petaluma			56784
				222 5 Rohnert Park			62546
				259 3 Santa Rosa			70098
				349 6 Windsor			85922
				999 9 Balance of county			99999
050	185	1		Stanislaus		099	2 5170
				040 5 Ceres			12524
				160 3 Modesto			48354
				178 6 Oakdale			52694
				338 6 Patterson			56112
				342 6 Riverbank			61068
				283 4 Turlock			80812
				999 9 Balance of county			99999
051	310	1		Sutter		101	4 9340
				305 5 Yuba City			86972
				999 9 Balance of county			99999
052	000	2		Tehama		103	4 0000
				211 6 Red Bluff			59892
				999 9 Balance of county			99999
053	000	2		Trinity		105	6 0000
054	294	1		Tulare		107	2 8780
				069 6 Dinuba			19318
				331 6 Lindsay			41712
				206 5 Porterville			58240
				282 5 Tulare			80644
				292 4 Visalia			82954
				999 9 Balance of county			99999
055	000	2		Tuolumne		109	4 0000
056	291	1		Ventura		111	1 8735
				033 4 Camarillo			10046
				085 6 Fillmore			24092
				166 5 Moorpark			49138
				185 3 Oxnard			54652
				207 6 Port Hueneme			58296
				230 3 San Buenaventura (Ventura)			65042
				258 5 Santa Paula			70042
				266 3 Simi Valley			72016
				279 3 Thousand Oaks			78582

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CA				California	CA		
056				Ventura, con.	111	1	8735
				Balance of county			99999
057	307	1		Yolo	113	3	9270
				Davis			18100
				West Sacramento			84816
				Woodland			86328
				Balance of county			99999
058	310	1		Yuba	115	4	9340
				Marysville			46170
				Balance of county			99999

Vital Statistics Codes					FIPS Codes			
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S	P/MSA Place
CO				Colorado	CO			
001	074	1		Adams		001	2	2080
				001 3 Arvada, part				03455
				002 2 Aurora, part				04000
				004 6 Brighton, part				08675
				008 6 Commerce City				16495
				039 6 Federal Heights				26270
				023 5 Northglenn, part				54330
				026 4 Thornton, part				77290
				027 3 Westminster, part				83835
				999 9 Balance of county				99999
002	000	2	999	9 Alamosa	003	6	0000	
003	074	1		Arapahoe	005	2	2080	
				002 2 Aurora, part				04000
				011 5 Englewood				24785
				041 6 Greenwood Village				33035
				019 5 Littleton, part				45255
				999 9 Balance of county				99999
004	000	2	999	9 Archuleta	007	9	0000	
005	000	2	999	9 Baca	009	9	0000	
006	000	2	999	9 Bent	011	9	0000	
007	038	1		Boulder	013	2	1125	
				003 4 Boulder				07850
				017 6 Lafayette				41835
				020 4 Longmont, part				45970
				021 6 Louisville				46355
				999 9 Balance of county				99999
008	000	2	999	9 Chaffee	015	6	0000	
009	000	2	999	9 Cheyenne	017	9	0000	
010	000	2	999	9 Clear Creek	019	9	0000	
011	000	2	999	9 Conejos	021	9	0000	
012	000	2	999	9 Costilla	023	9	0000	
013	000	2	999	9 Crowley	025	9	0000	
014	000	2	999	9 Custer	027	9	0000	
015	000	2	999	9 Delta	029	5	0000	
016	074	1	009	1 Denver, coext. with Denver city	031	1	2080	20000
017	000	2	999	9 Dolores	033	9	0000	
018	074	1		Douglas	035	3	2080	
				002 2 Aurora, part				04000
				038 6 Castle Rock				12415
				019 5 Littleton, part				45255
				043 6 Parker				57630
				999 9 Balance of county				99999
019	000	2	999	9 Eagle	037	5	0000	
020	000	2	999	9 Elbert	039	6	0000	
021	060	1		El Paso	041	1	1720	
				007 2 Colorado Springs				16000
				013 6 Fountain				27865
				999 9 Balance of county				99999
022	000	2		Fremont	043	5	0000	
				006 6 Canon City				11810
				999 9 Balance of county				99999
023	000	2	999	9 Garfield	045	5	0000	
024	000	2	999	9 Gilpin	047	9	0000	
025	000	2	999	9 Grand	049	6	0000	
026	000	2	999	9 Gunnison	051	6	0000	
027	000	2	999	9 Hinsdale	053	9	0000	
028	000	2	999	9 Huerfano	055	9	0000	
029	000	2	999	9 Jackson	057	9	0000	
030	074	1		Jefferson	059	1	2080	
				001 3 Arvada, part				03455
				014 6 Golden				30835
				018 3 Lakewood				43000
				044 5 Littleton, part				45255
				027 3 Westminster, part				83835
				028 5 Wheat Ridge				84440
				999 9 Balance of county				99999
031	000	2	999	9 Kiowa	061	9	0000	
032	000	2	999	9 Kit Carson	063	9	0000	
033	000	2	999	9 Lake	065	9	0000	
034	000	2		La Plata	067	5	0000	
				010 6 Durango				22035
				999 9 Balance of county				99999
035	096	1		Larimer	069	2	2670	
				012 3 Fort Collins				27425

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
CO				Colorado			CO				
	035			Larimer, con.				069	2	2670	
		022	4	Loveland						46465	
		999	9	Balance of county						99999	
036	000	2	999	9	Las Animas		071	6	0000		
037	000	2	999	9	Lincoln		073	9	0000		
038	000	2		Logan			075	6	0000		
		025	6	Sterling						73935	
		999	9	Balance of county						99999	
039	000	2		Mesa			077	3	0000		
		015	5	Grand Junction						31660	
		999	9	Balance of county						99999	
040	000	2	999	9	Mineral		079	9	0000		
041	000	2	999	9	Moffat		081	6	0000		
042	000	2	999	9	Montezuma		083	6	0000		
043	000	2		Montrose			085	5	0000		
		042	6	Montrose						51745	
		999	9	Balance of county						99999	
044	000	2		Morgan			087	5	0000		
		040	6	Fort Morgan						27810	
		999	9	Balance of county						99999	
045	000	2	999	9	Otero		089	6	0000		
046	000	2	999	9	Ouray		091	9	0000		
047	000	2	999	9	Park		093	6	0000		
048	000	2	999	9	Phillips		095	9	0000		
049	000	2	999	9	Pitkin		097	6	0000		
050	000	2	999	9	Prowers		099	6	0000		
051	223	1		Pueblo			101	3	6560		
		024	3	Pueblo						62000	
		999	9	Balance of county						99999	
052	000	2	999	9	Rio Blanco		103	9	0000		
053	000	2	999	9	Rio Grande		105	6	0000		
054	000	2	999	9	Routt		107	6	0000		
055	000	2	999	9	Saguache		109	9	0000		
056	000	2	999	9	San Juan		111	9	0000		
057	000	2	999	9	San Miguel		113	9	0000		
058	000	2	999	9	Sedgwick		115	9	0000		
059	000	2	999	9	Summit		117	6	0000		
060	000	2	999	9	Teller		119	6	0000		
061	000	2	999	9	Washington		121	9	0000		
062	114	1		Weld			123	3	3060		
		004	6	Brighton, part						08675	
		016	4	Greeley						32155	
		045	4	Longmont, part						45970	
		046	5	Northglenn, part						54330	
		047	4	Thornton, part						77290	
		999	9	Balance of county						99999	
063	000	2	999	9	Yuma		125	9	0000		
064	038	1	005	5	Broomfield, coext. with Broomfield city		014	5	1125	09280	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
CT				Connecticut	CT		
001	194	1		Fairfield	001	1	5483
				002 6 Bethel town			04720
				004 3 Bridgeport			08000
				007 4 Danbury			18430
				008 6 Darien town			18850
				014 4 Fairfield town			26620
				016 4 Greenwich town			33620
				029 4 Norwalk			55990
				033 5 Shelton			68100
				035 3 Stamford			73000
				036 5 Stratford town			74190
				038 5 Trumbull town			77200
				044 5 Westport town			83500
				999 9 Balance of county			99999
002	122	1		Hartford	003	1	3283
				005 4 Bristol			08420
				011 5 East Hartford town			22630
				013 5 Enfield town			25990
				015 5 Glastonbury town			31240
				018 3 Hartford			37000
				019 4 Manchester town			44700
				024 4 New Britain			50370
				026 5 Newington town			52140
				031 6 Plainville town			60120
				032 6 Rocky Hill town			65370
				034 5 Southington town			70550
				042 4 West Hartford town			82590
				045 5 Wethersfield town			84900
				047 5 Windsor town			87000
				046 6 Windsor Locks town			87070
				999 9 Balance of county			99999
003	000	2		Litchfield	005	3	0000
				050 5 New Milford town			52630
				037 5 Torrington			76500
				999 9 Balance of county			99999
004	122	1		Middlesex	007	3	3283
				048 6 Cromwell town			18080
				021 5 Middletown			47290
				999 9 Balance of county			99999
005	194	1		New Haven	009	1	5483
				001 6 Ansonia			01150
				003 5 Branford town			07310
				006 5 Cheshire town			14160
				009 6 Derby			19480
				009 6 Derby			19480
				012 5 East Haven town			22910
				017 4 Hamden town			35650
				020 4 Meriden			46450
				022 4 Milford			47515
				023 5 Naugatuck borough			49880
				025 3 New Haven			52000
				028 6 North Haven town			54870
				051 6 Seymour town			67610
				040 5 Wallingford town			78740
				041 3 Waterbury			80000
				043 4 West Haven			82800
				999 9 Balance of county			99999
006	195	1		New London	011	2	5523
				049 6 Groton			34180
				027 5 New London			52280
				030 5 Norwich			56200
				999 9 Balance of county			99999
007	122	1		Tolland	013	3	3283
				039 5 Vernon town			78250
				999 9 Balance of county			99999
008	000	2		Windham	015	3	0000

Vital Statistics Geographic Code Outline For The United States Page 18
Effective With 2004 Data.

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
DE				Delaware	DE		
001	078	1		Kent	001	3	2190
			001	5 Dover			21200
			999	9 Balance of county			99999
002	304	1		New Castle	003	1	9160
			002	5 Newark			50670
			003	4 Wilmington			77580
			999	9 Balance of county			99999
003	000	2	999	Sussex	005	3	0000

Vital Statistics Geographic Code Outline For The United States Page 19
Effective With 2004 Data.

Vital Statistics Codes
St Cnty P/MSA M/NM City P/S Area Names

DC 001 296 1 001 1 District of Columbia

FIPS Codes
St Cnty P/S P/MSA Place

DC 001 1 8840

Vital Statistics Codes					FIPS Codes			
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S	P/MSA Place
FL				Florida	FL			
001	106	1		Alachua	001	3	2900	
			032	4 Gainesville			25175	
			999	9 Balance of county			99999	
002	000	2	999	9 Baker	003	6	0000	
003	210	1		Bay	005	3	6015	
			009	6 Callaway			09725	
			131	6 Lynn Haven			41825	
			080	5 Panama City			54700	
			999	9 Balance of county			99999	
004	000	2	999	9 Bradford	007	5	0000	
005	177	1		Brevard	009	2	4900	
			013	6 Cocoa			13150	
			014	6 Cocoa Beach			13175	
			055	4 Melbourne			43975	
			078	4 Palm Bay			54000	
			091	6 Rockledge			61500	
			110	5 Titusville			71900	
			999	9 Balance of county			99999	
006	097	1		Broward	011	0	2680	
			015	5 Coconut Creek			13275	
			016	5 Cooper City			14125	
			018	3 Coral Springs			14400	
			019	6 Dania Beach			16335	
			020	4 Davie			16475	
			022	4 Deerfield Beach			16725	
			028	3 Fort Lauderdale			24000	
			036	5 Hallandale Beach			28452	
			039	3 Hollywood			32000	
			049	5 Lauderdale Lakes			39525	
			050	4 Lauderhill			39550	
			052	6 Lighthouse Point			40450	
			054	4 Margate			43125	
			060	4 Miramar			45975	
			065	5 North Lauderdale			49425	
			070	5 Oakland Park			50575	
			140	6 Parkland			55125	
			081	3 Pembroke Pines			55775	
			084	4 Plantation			57425	
			086	4 Pompano Beach			58050	
			103	4 Sunrise			69700	
			106	4 Tamarac			70675	
			145	5 Weston			76582	
			114	6 Wilton Manors			78000	
			999	9 Balance of county			99999	
007	000	2	999	9 Calhoun	013	6	0000	
008	224	1		Charlotte	015	3	6580	
			089	6 Punta Gorda			59200	
			999	9 Balance of county			99999	
009	000	2	999	9 Citrus	017	3	0000	
010	135	1	999	9 Clay	019	3	3600	
011	191	1		Collier	021	2	5345	
			134	6 Marco			43075	
			061	6 Naples			47625	
			999	9 Balance of county			99999	
012	000	2	999	9 Columbia	023	4	0000	
013	180	1		Miami-Dade	086	0	5000	
			119	5 Aventura			02681	
			017	5 Coral Gables			14250	
			037	3 Hialeah			30000	
			126	6 Hialeah Gardens			30025	
			040	5 Homestead			32275	
			127	6 Key Biscayne			36300	
			056	2 Miami			45000	
			057	4 Miami Beach			45025	
			058	6 Miami Shores			45175	
			059	6 Miami Springs			45200	
			066	4 North Miami			49450	
			067	5 North Miami Beach			49475	
			073	6 Opa-locka			51650	
			141	6 Pinecrest			56625	
			101	6 South Miami			67550	
			143	6 Sunny Isles Beach			69555	
			104	6 Sweetwater			70345	
			999	9 Balance of county			99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
FL				Florida							FL
014	000	2	999	9		DeSoto		027	5	0000	
015	000	2	999	9		Dixie		029	6	0000	
016	135	1				Duval		031	1	3600	
			003	6		Atlantic Beach					02400
			041	1		Jacksonville					35000
			042	6		Jacksonville Beach					35050
			999	9		Balance of county					99999
017	212	1		Escambia							033 2 6080
			082	4		Pensacola					55925
			999	9		Balance of county					99999
018	071	1		Flagler							035 5 2020
			137	5		Palm Coast					54200
			999	9		Balance of county					99999
019	000	2	999	9		Franklin		037	6	0000	
020	278	1	999	9		Gadsden		039	5	8240	
021	000	2	999	9		Gilchrist		041	6	0000	
022	000	2	999	9		Glades		043	6	0000	
023	000	2	999	9		Gulf		045	6	0000	
024	000	2	999	9		Hamilton		047	6	0000	
025	000	2	999	9		Hardee		049	5	0000	
026	000	2	999	9		Hendry		051	5	0000	
027	279	1	999	9		Hernando		053	3	8280	
028	000	2	999	9		Highlands		055	4	0000	
029	279	1		Hillsborough							057 1 8280
			085	5		Plant City					57550
			107	2		Tampa					71000
			109	6		Temple Terrace					71400
			999	9		Balance of county					99999
030	000	2	999	9		Holmes		059	6	0000	
031	000	2		Indian River							061 3 0000
			099	6		Sebastian					64825
			112	6		Vero Beach					74150
			999	9		Balance of county					99999
032	000	2	999	9		Jackson		063	5	0000	
033	000	2	999	9		Jefferson		065	6	0000	
034	000	2	999	9		Lafayette		067	9	0000	
035	208	1		Lake							069 3 5960
			027	6		Eustis					21350
			128	6		Lady Lake					37375
			051	6		Leesburg					39875
			999	9		Balance of county					99999
036	098	1		Lee							071 2 2700
			120	5		Bonita Springs					07525
			010	3		Cape Coral					10275
			029	5		Fort Myers					24125
			999	9		Balance of county					99999
037	278	1		Leon							073 3 8240
			105	3		Tallahassee					70600
			999	9		Balance of county					99999
038	000	2	999	9		Levy		075	5	0000	
039	000	2	999	9		Liberty		077	9	0000	
040	000	2	999	9		Madison		079	6	0000	
041	257	1		Manatee							081 2 7510
			008	5		Bradenton					07950
			138	6		Palmetto					54250
			999	9		Balance of county					99999
042	202	1		Marion							083 2 5790
			071	5		Ocala					50750
			999	9		Balance of county					99999
043	099	1		Martin							085 3 2710
			102	6		Stuart					68875
			999	9		Balance of county					99999
044	000	2		Monroe							087 4 0000
			044	5		Key West					36550
			133	6		Marathon					43000
			999	9		Balance of county					99999
045	135	1		Nassau							089 4 3600
			125	6		Fernandina Beach					22175
			999	9		Balance of county					99999
046	101	1		Okaloosa							091 3 2750
			121	6		Crestview					15475
			124	6		Destin					17325
			031	6		Fort Walton Beach					24475
			064	6		Niceville					48750

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
FL				Florida	FL		
	046			Okaloosa, con.	091	3	2750
		999	9	Balance of county			99999
047	000	2	999	Okeechobee	093	5	0000
048	208	1		Orange	095	1	5960
		002	5	Apopka			01700
		132	6	Maitland			42575
		072	6	Ocoee			51075
		074	3	Orlando			53000
		146	6	Winter Garden			78250
		116	6	Winter Park			78300
		999	9	Balance of county			99999
049	208	1		Osceola	097	3	5960
		045	5	Kissimmee			36950
		095	6	St. Cloud			62625
		999	9	Balance of county			99999
050	299	1		Palm Beach	099	0	8960
		005	6	Belle Glade			05200
		006	4	Boca Raton			07300
		007	4	Boynton Beach			07875
		024	4	Delray Beach			17100
		033	5	Greenacres			27322
		043	5	Jupiter			35875
		047	5	Lake Worth			39075
		068	6	North Palm Beach			49600
		136	6	Palm Beach			54025
		079	5	Palm Beach Gardens			54075
		139	6	Palm Springs			54450
		090	5	Riviera Beach			60975
		092	6	Royal Palm Beach			62100
		144	5	Wellington			75812
		113	4	West Palm Beach			76600
		999	9	Balance of county			99999
051	279	1		Pasco	101	2	8280
		062	6	New Port Richey			48500
		147	6	Zephyrhills			79225
		999	9	Balance of county			99999
052	279	1		Pinellas	103	1	8280
		012	3	Clearwater			12875
		025	5	Dunedin			18575
		034	6	Gulfport			28175
		048	4	Largo			39425
		135	6	Oldsmar			51350
		083	5	Pinellas Park			56975
		093	6	Safety Harbor			62425
		096	3	St. Petersburg			63000
		142	6	Seminole			64975
		108	6	Tarpon Springs			71150
		999	9	Balance of county			99999
053	154	1		Polk	105	2	3980
		118	6	Auburndale			02550
		004	6	Bartow			03675
		035	6	Haines City			28400
		046	4	Lakeland			38250
		130	6	Lake Wales			38950
		115	5	Winter Haven			78275
		999	9	Balance of county			99999
054	000	2		Putnam	107	4	0000
		077	6	Palatka			53875
		999	9	Balance of county			99999
055	135	1		St. Johns	109	3	3600
		094	6	St. Augustine			62500
		999	9	Balance of county			99999
056	099	1		St. Lucie	111	3	2710
		030	5	Fort Pierce			24300
		088	4	Port St. Lucie			58715
		999	9	Balance of county			99999
057	212	1	999	Santa Rosa	113	3	6080
058	257	1		Sarasota	115	2	7510
		069	6	North Port			49675
		098	4	Sarasota			64175
		111	6	Venice			73900
		999	9	Balance of county			99999
059	208	1		Seminole	117	2	5960
		001	5	Altamonte Springs			00950

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
FL				Florida	FL		
059				Seminole, con.	117	2	5960
				011 6 Casselberry			11050
				129 6 Lake Mary			38425
				053 6 Longwood			41250
				076 5 Oviedo			53575
				097 5 Sanford			63650
				117 5 Winter Springs			78325
				999 9 Balance of county			99999
060	000	2	999	9 Sumter	119	4	0000
061	000	2	999	9 Suwannee	121	5	0000
062	000	2	999	9 Taylor	123	6	0000
063	000	2	999	9 Union	125	6	0000
064	071	1		Volusia	127	2	2020
				021 4 Daytona Beach			16525
				122 6 De Bary			16675
				023 6 De Land			16875
				123 4 Deltona			17200
				026 6 Edgewater			19825
				038 6 Holly Hill			31350
				063 6 New Smyrna Beach			48625
				075 5 Ormond Beach			53150
				087 5 Port Orange			58575
				100 6 South Daytona			67325
				999 9 Balance of county			99999
065	000	2	999	9 Wakulla	129	6	0000
066	000	2	999	9 Walton	131	5	0000
067	000	2	999	9 Washington	133	6	0000

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
001	000	2	999	9		Appling	001	6	0000		
002	000	2	999	9		Atkinson	003	9	0000		
003	000	2	999	9		Bacon	005	6	0000		
004	000	2	999	9		Baker	007	9	0000		
005	000	2				Baldwin	009	5	0000		
			029	6		Milledgeville				51492	
			999	9		Balance of county				99999	
006	000	2	999	9		Banks	011	6	0000		
007	016	1				Barrow	013	5	0520		
			066	6		Winder				83420	
			999	9		Balance of county				99999	
008	016	1				Bartow	015	4	0520		
			010	6		Cartersville				13688	
			999	9		Balance of county				99999	
009	000	2	999	9		Ben Hill	017	6	0000		
010	000	2	999	9		Berrien	019	6	0000		
011	172	1				Bibb	021	3	4680		
			027	4		Macon, part				49000	
			999	9		Balance of county				99999	
012	000	2	999	9		Bleckley	023	6	0000		
013	000	2	999	9		Brantley	025	6	0000		
014	000	2	999	9		Brooks	027	6	0000		
015	258	1	999	9		Bryan	029	6	7520		
016	000	2				Bullock	031	4	0000		
			038	6		Statesboro				73256	
			999	9		Balance of county				99999	
017	000	2	999	9		Burke	033	6	0000		
018	000	2	999	9		Butts	035	6	0000		
019	000	2	999	9		Calhoun	037	9	0000		
020	000	2				Camden	039	5	0000		
			058	6		Kingsland				43640	
			063	6		St. Marys				67984	
			999	9		Balance of county				99999	
021	000	2	999	9		Candler	043	9	0000		
022	016	1				Carroll	045	4	0520		
			009	6		Carrollton				13492	
			999	9		Balance of county				99999	
023	053	1	999	9		Catoosa	047	4	1560		
024	000	2	999	9		Charlton	049	6	0000		
025	258	1				Chatham	051	3	7520		
			056	6		Garden City				32048	
			035	3		Savannah				69000	
			999	9		Balance of county				99999	
026	063	1	999	9		Chattahoochee	053	6	1800		
027	000	2	999	9		Chattooga	055	5	0000		
028	016	1				Cherokee	057	3	0520		
			067	6		Woodstock				84176	
			999	9		Balance of county				99999	
029	015	1				Clarke	059	3	0500		
			004	3		Athens				03440	
			999	9		Balance of county				99999	
030	000	2	999	9		Clay	061	9	0000		
031	016	1				Clayton	063	3	0520		
			011	6		College Park, part				17776	
			021	6		Forest Park				30536	
			062	6		Riverdale				65464	
			999	9		Balance of county				99999	
032	000	2	999	9		Clinch	065	9	0000		
033	016	1				Cobb	067	1	0520		
			050	6		Acworth				00408	
			057	6		Kennesaw				43192	
			028	4		Marietta				49756	
			061	6		Powder Springs				62524	
			036	5		Smyrna				71492	
			999	9		Balance of county				99999	
034	000	2				Coffee	069	5	0000		
			017	6		Douglas				23872	
			999	9		Balance of county				99999	
035	000	2				Colquitt	071	5	0000		
			030	6		Moultrie				53060	
			999	9		Balance of county				99999	
036	018	1	999	9		Columbia	073	4	0600		
037	000	2	999	9		Cook	075	6	0000		
038	016	1				Coweta	077	4	0520		
			031	6		Newnan				55020	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
	038			Coweta, con.				077	4	0520	
				999 9		Balance of county					99999
039	000	2		999 9		Crawford		079	6	0000	
040	000	2				Crisp		081	6	0000	
				013 6		Cordele					19616
				999 9		Balance of county					99999
041	053	1		999 9		Dade		083	6	1560	
042	000	2		999 9		Dawson		085	6	0000	
043	000	2				Decatur		087	5	0000	
				007 6		Bainbridge					04896
				999 9		Balance of county					99999
044	016	1				DeKalb		089	1	0520	
				005 2		Atlanta, part					04000
				016 6		Decatur					22052
				999 9		Balance of county					99999
045	000	2		999 9		Dodge		091	6	0000	
046	000	2		999 9		Dooly		093	6	0000	
047	003	1				Dougherty		095	4	0120	
				001 4		Albany					01052
				999 9		Balance of county					99999
048	016	1				Douglas		097	4	0520	
				018 6		Douglasville					23900
				999 9		Balance of county					99999
049	000	2		999 9		Early		099	6	0000	
050	000	2		999 9		Echols		101	9	0000	
051	258	1		999 9		Effingham		103	5	7520	
052	000	2		999 9		Elbert		105	6	0000	
053	000	2		999 9		Emanuel		107	6	0000	
054	000	2		999 9		Evans		109	6	0000	
055	000	2		999 9		Fannin		111	6	0000	
056	016	1				Fayette		113	4	0520	
				055 6		Fayetteville					28968
				032 5		Peachtree City					59724
				999 9		Balance of county					99999
057	000	2				Floyd		115	4	0000	
				033 5		Rome					66668
				999 9		Balance of county					99999
058	016	1		999 9		Forsyth		117	4	0520	
059	000	2		999 9		Franklin		119	6	0000	
060	016	1				Fulton		121	1	0520	
				002 5		Alpharetta					01696
				005 2		Atlanta, part					04000
				011 6		College Park, part					17776
				020 5		East Point					25720
				034 4		Roswell					67284
				065 6		Union City					78324
				999 9		Balance of county					99999
061	000	2		999 9		Gilmer		123	6	0000	
062	000	2		999 9		Glascock		125	9	0000	
063	000	2				Glynn		127	4	0000	
				008 6		Brunswick					11560
				999 9		Balance of county					99999
064	000	2				Gordon		129	5	0000	
				052 6		Calhoun					12456
				999 9		Balance of county					99999
065	000	2		999 9		Grady		131	6	0000	
066	000	2		999 9		Greene		133	6	0000	
067	016	1				Gwinnett		135	1	0520	
				051 6		Buford, part					11784
				054 6		Duluth					24600
				026 6		Lawrenceville					45488
				059 6		Lilburn					46356
				037 6		Snellville					71604
				064 6		Sugar Hill					74180
				999 9		Balance of county					99999
068	000	2		999 9		Habersham		137	5	0000	
069	000	2				Hall		139	3	0000	
				068 6		Buford, part					11784
				022 5		Gainesville					31908
				999 9		Balance of county					99999
070	000	2		999 9		Hancock		141	6	0000	
071	000	2		999 9		Haralson		143	5	0000	
072	063	1		999 9		Harris		145	6	1800	
073	000	2		999 9		Hart		147	6	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
074	000	2	999	9		Heard	149	6	0000		
075	016	1	999	9		Henry	151	3	0520		
076	172	1				Houston	153	3	4680		
			043	5		Warner Robins, part				80508	
			999	9		Balance of county				99999	
077	000	2	999	9		Irwin	155	9	0000		
078	000	2	999	9		Jackson	157	5	0000		
079	000	2	999	9		Jasper	159	6	0000		
080	000	2	999	9		Jeff Davis	161	6	0000		
081	000	2	999	9		Jefferson	163	6	0000		
082	000	2	999	9		Jenkins	165	9	0000		
083	000	2	999	9		Johnson	167	9	0000		
084	172	1				Jones	169	6	4680		
			027	4		Macon, part				49000	
			999	9		Balance of county				99999	
085	000	2	999	9		Lamar	171	6	0000		
086	000	2	999	9		Lanier	173	9	0000		
087	000	2				Laurens	175	5	0000		
			019	6		Dublin				24376	
			999	9		Balance of county				99999	
088	003	1	999	9		Lee	177	6	0120		
089	000	2				Liberty	179	4	0000		
			024	5		Hinesville				38964	
			999	9		Balance of county				99999	
090	000	2	999	9		Lincoln	181	9	0000		
091	000	2	999	9		Long	183	6	0000		
092	000	2				Lowndes	185	4	0000		
			041	5		Valdosta				78800	
			999	9		Balance of county				99999	
093	000	2	999	9		Lumpkin	187	6	0000		
094	018	1	999	9		McDuffie	189	6	0600		
095	000	2	999	9		McIntosh	191	6	0000		
096	000	2	999	9		Macon	193	6	0000		
097	015	1	999	9		Madison	195	5	0500		
098	000	2	999	9		Marion	197	9	0000		
099	000	2	999	9		Meriwether	199	6	0000		
100	000	2	999	9		Miller	201	9	0000		
101	000	2	999	9		Mitchell	205	6	0000		
102	000	2	999	9		Monroe	207	6	0000		
103	000	2				Montgomery	209	9	0000		
			042	6		Vidalia, part				79388	
			999	9		Balance of county				99999	
104	000	2	999	9		Morgan	211	6	0000		
105	000	2	999	9		Murray	213	5	0000		
106	063	1				Muscogee	215	3	1800		
			012	3		Columbus				19007	
			999	9		Balance of county				99999	
107	016	1				Newton	217	4	0520		
			014	6		Covington				20064	
			999	9		Balance of county				99999	
108	015	1	999	9		Oconee	219	5	0500		
109	000	2	999	9		Oglethorpe	221	6	0000		
110	016	1	999	9		Paulding	223	4	0520		
111	172	1				Peach	225	6	4680		
			069	5		Warner Robins, part				80508	
			999	9		Balance of county				99999	
112	016	1	999	9		Pickens	227	6	0520		
113	000	2				Pierce	229	6	0000		
			044	6		Waycross, part				80956	
			999	9		Balance of county				99999	
114	000	2	999	9		Pike	231	6	0000		
115	000	2	999	9		Polk	233	5	0000		
116	000	2	999	9		Pulaski	235	9	0000		
117	000	2	999	9		Putnam	237	6	0000		
118	000	2	999	9		Quitman	239	9	0000		
119	000	2	999	9		Rabun	241	6	0000		
120	000	2	999	9		Randolph	243	9	0000		
121	018	1				Richmond	245	3	0600		
			006	3		Augusta				04204	
			999	9		Balance of county				99999	
122	016	1				Rockdale	247	4	0520		
			053	6		Conyers				19336	
			999	9		Balance of county				99999	
123	000	2	999	9		Schley	249	9	0000		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
GA				Georgia			GA				
124	000	2	999	9		Sciven	251	6	0000		
125	000	2	999	9		Seminole	253	9	0000		
126	016	1				Spalding	255	4	0520		
			023	6		Griffin				35324	
			999	9		Balance of county				99999	
127	000	2	999	9		Stephens	257	5	0000		
128	000	2	999	9		Stewart	259	9	0000		
129	000	2				Sumter	261	5	0000		
			003	6		Americus				02116	
			999	9		Balance of county				99999	
130	000	2	999	9		Talbot	263	9	0000		
131	000	2	999	9		Taliaferro	265	9	0000		
132	000	2	999	9		Tattnall	267	6	0000		
133	000	2	999	9		Taylor	269	9	0000		
134	000	2	999	9		Telfair	271	6	0000		
135	000	2	999	9		Terrell	273	6	0000		
136	000	2				Thomas	275	5	0000		
			039	6		Thomasville				76224	
			999	9		Balance of county				99999	
137	000	2				Tift	277	5	0000		
			040	6		Tifton				76476	
			999	9		Balance of county				99999	
138	000	2				Toombs	279	5	0000		
			042	6		Vidalia, part				79388	
			999	9		Balance of county				99999	
139	000	2	999	9		Towns	281	9	0000		
140	000	2	999	9		Treutlen	283	9	0000		
141	000	2				Troup	285	4	0000		
			025	5		LaGrange				44340	
			999	9		Balance of county				99999	
142	000	2	999	9		Turner	287	9	0000		
143	172	1	999	9		Twiggs	289	6	4680		
144	000	2	999	9		Union	291	6	0000		
145	000	2	999	9		Upson	293	5	0000		
146	053	1	999	9		Walker	295	4	1560		
147	016	1				Walton	297	4	0520		
			060	6		Monroe				52192	
			999	9		Balance of county				99999	
148	000	2				Ware	299	5	0000		
			044	6		Waycross, part				80956	
			999	9		Balance of county				99999	
149	000	2	999	9		Warren	301	9	0000		
150	000	2	999	9		Washington	303	6	0000		
151	000	2	999	9		Wayne	305	5	0000		
152	000	2	999	9		Webster	307	9	0000		
153	000	2	999	9		Wheeler	309	9	0000		
154	000	2	999	9		White	311	6	0000		
155	000	2				Whitfield	313	4	0000		
			015	5		Dalton				21380	
			999	9		Balance of county				99999	
156	000	2	999	9		Wilcox	315	9	0000		
157	000	2	999	9		Wilkes	317	6	0000		
158	000	2	999	9		Wilkinson	319	6	0000		
159	000	2	999	9		Worth	321	6	0000		

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
HI				Hawaii	HI		
001	000	2		Hawaii	001	3	0000
				Hilo			14650
				Balance of county			99999
002	125	1		Honolulu	003	1	3320
				Ewa Beach			07450
				Halawa			10000
				Honolulu			17000
				Kailua			23150
				Kaneohe			28250
				Kaneohe Station			28400
				Makakilo City			47750
				Mililani Town			51050
				Nanakuli			53900
				Pearl City			62600
				Schofield Barracks			69050
				Wahiawa			72650
				Waianae			74450
				Waimalu			77750
				Waipahu			79700
				Waipio			79860
				Balance of county			99999
003	000	2	999	9	005	9	0000
004	000	2	999	9	007	4	0000
005	000	2		Maui	009	3	0000
				Kahului			22700
				Kihei			36500
				Wailuku			77450
				Balance of county			99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
ID				Idaho			ID				
001	036	1		Ada			001	2		1080	
				001	3	Boise City					08830
				013	6	Eagle					23410
				014	6	Garden City					29620
				015	5	Meridian					52120
				999	9	Balance of county					99999
002	000	2		999	9	Adams		003	9	0000	
003	000	2		Bannock				005	4	0000	
				008	4	Pocatello, part					64090
				999	9	Balance of county					99999
004	000	2		999	9	Bear Lake		007	9	0000	
005	000	2		999	9	Benewah		009	9	0000	
006	000	2		Bingham				011	5	0000	
				012	6	Blackfoot					07840
				999	9	Balance of county					99999
007	000	2		999	9	Blaine		013	6	0000	
008	000	2		999	9	Boise		015	9	0000	
009	000	2		999	9	Bonner		017	5	0000	
010	000	2		Bonneville				019	4	0000	
				004	4	Idaho Falls					39700
				999	9	Balance of county					99999
011	000	2		999	9	Boundary		021	9	0000	
012	000	2		999	9	Butte		023	9	0000	
013	000	2		999	9	Camas		025	9	0000	
014	036	1		Canyon				027	3	1080	
				002	5	Caldwell					12250
				007	4	Nampa					56260
				999	9	Balance of county					99999
015	000	2		999	9	Caribou		029	9	0000	
016	000	2		999	9	Cassia		031	6	0000	
017	000	2		999	9	Clark		033	9	0000	
018	000	2		999	9	Clearwater		035	9	0000	
019	000	2		999	9	Custer		037	9	0000	
020	000	2		Elmore				039	5	0000	
				016	6	Mountain Home					54730
				999	9	Balance of county					99999
021	000	2		999	9	Franklin		041	6	0000	
022	000	2		999	9	Fremont		043	6	0000	
023	000	2		999	9	Gem		045	6	0000	
024	000	2		999	9	Gooding		047	6	0000	
025	000	2		999	9	Idaho		049	6	0000	
026	000	2		999	9	Jefferson		051	6	0000	
027	000	2		999	9	Jerome		053	6	0000	
028	000	2		Kootenai				055	3	0000	
				003	5	Coeur d'Alene					16750
				017	6	Post Falls					64810
				999	9	Balance of county					99999
029	000	2		Latah				057	5	0000	
				006	6	Moscow					54550
				999	9	Balance of county					99999
030	000	2		999	9	Lemhi		059	9	0000	
031	000	2		999	9	Lewis		061	9	0000	
032	000	2		999	9	Lincoln		063	9	0000	
033	000	2		Madison				065	5	0000	
				009	6	Rexburg					67420
				999	9	Balance of county					99999
034	000	2		999	9	Minidoka		067	6	0000	
035	000	2		Nez Perce				069	5	0000	
				005	5	Lewiston					46540
				999	9	Balance of county					99999
036	000	2		999	9	Oneida		071	9	0000	
037	000	2		999	9	Owyhee		073	6	0000	
038	000	2		999	9	Payette		075	6	0000	
039	000	2		Power				077	9	0000	
				008	4	Pocatello, part					64090
				999	9	Balance of county					99999
040	000	2		999	9	Shoshone		079	6	0000	
041	000	2		999	9	Teton		081	9	0000	
042	000	2		010	5	Twin Falls					82810
				999	9	Balance of county					99999
043	000	2		999	9	Valley		085	9	0000	
044	000	2		999	9	Washington		087	9	0000	

Vital Statistics Codes					FIPS Codes			
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S	P/MSA Place
IL				Illinois	IL			
001	000	2		Adams	001	4	0000	
			138	5 Quincy			62367	
			999	9 Balance of county			99999	
002	000	2	999	9 Alexander	003	9	0000	
003	000	2	999	9 Bond	005	6	0000	
004	237	1	999	9 Boone	007	5	6880	
			011	6 Belvidere			05092	
			245	6 Loves Park, part			45031	
			999	9 Balance of county			99999	
005	000	2	999	9 Brown	009	9	0000	
006	000	2	999	9 Bureau	011	5	0000	
007	000	2	999	9 Calhoun	013	9	0000	
008	000	2	999	9 Carroll	015	6	0000	
009	000	2	999	9 Cass	017	6	0000	
010	048	1	999	9 Champaign	019	3	1400	
			032	4 Champaign			12385	
			139	6 Rantoul village			62783	
			160	5 Urbana			77005	
			999	9 Balance of county			99999	
011	000	2	999	9 Christian	021	5	0000	
			158	6 Taylorville			74574	
			999	9 Balance of county			99999	
012	000	2	999	9 Clark	023	6	0000	
013	000	2	999	9 Clay	025	6	0000	
014	243	1	999	9 Clinton	027	5	7040	
			031	6 Centralia, part			12164	
			999	9 Balance of county			99999	
015	000	2	999	9 Coles	029	4	0000	
			033	6 Charleston			12567	
			105	6 Mattoon			47553	
			999	9 Balance of county			99999	
016	055	1	999	9 Cook	031	0	1600	
			003	6 Alsip village			01010	
			005	4 Arlington Heights village, part			02154	
			206	6 Barrington village, part			03844	
			007	5 Bartlett village, part			04013	
			010	6 Bellwood village			04975	
			012	6 Bensenville village, part			05248	
			013	4 Berwyn			05573	
			016	6 Blue Island			06704	
			020	6 Bridgeview village			08225	
			021	6 Brookfield village			08576	
			022	5 Buffalo Grove village, part			09447	
			023	5 Burbank			09642	
			231	6 Burr Ridge village, part			09980	
			025	5 Calumet City			10487	
			034	0 Chicago, part			14000	
			035	5 Chicago Heights			14026	
			036	6 Chicago Ridge village			14065	
			037	4 Cicero			14351	
			039	6 Country Club Hills			16691	
			041	6 Crestwood village			17497	
			046	6 Deerfield village, part			18992	
			048	4 Des Plaines			19642	
			050	5 Dolton village			20292	
			057	4 Elgin, part			23074	
			058	5 Elk Grove Village village, part			23256	
			240	5 Elmhurst, part			23620	
			060	5 Elmwood Park village			23724	
			061	4 Evanston			24582	
			062	6 Evergreen Park village			24634	
			064	6 Forest Park village			26935	
			241	6 Frankfort village, part			27624	
			065	6 Franklin Park village			27702	
			071	5 Glenview village			29938	
			074	5 Hanover Park village, part			32746	
			075	5 Harvey			33383	
			076	6 Hazel Crest village			33695	
			078	6 Hickory Hills			34514	
			080	6 Hinsdale village, part			35307	
			081	5 Hoffman Estates village, part			35411	
			082	6 Homewood village			35879	
			085	6 Justice village			38830	
			089	6 La Grange village			40767	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
IL				Illinois	IL		
	016			Cook, con.		031	0 1600
088	6			La Grange Park village			40793
092	5			Lansing village			42028
214	6			Lemont village, part			42795
095	6			Lincolnwood village			43744
217	6			Lyons village			45434
103	6			Markham			47007
104	6			Matteson village, part			47540
106	5			Maywood village			47774
107	6			Melrose Park village			48242
108	6			Midlothian village			48892
111	6			Morton Grove village			50647
113	4			Mount Prospect village			51089
117	5			Niles village			53000
119	6			Norridge village			53377
120	5			Northbrook village			53481
122	6			Northlake			53871
123	5			Oak Forest			54638
124	4			Oak Lawn village			54820
125	4			Oak Park village			54885
127	4			Orland Park village, part			56640
129	4			Palatine village			57225
130	6			Palos Heights			57381
131	6			Palos Hills			57394
132	6			Park Forest village, part			57732
133	5			Park Ridge			57875
137	6			Prospect Heights			62016
140	6			Richton Park village			63706
141	6			Riverdale village			64278
142	6			River Forest village			64304
224	6			River Grove village			64343
145	6			Rolling Meadows			65338
147	6			Roselle village, part			65806
225	6			Sauk Village village, part			67769
150	4			Schaumburg village, part			68003
151	6			Schiller Park village			68081
152	4			Skokie village			70122
153	6			South Holland village			70850
156	5			Streamwood village			73157
227	6			Summit village			73638
159	5			Tinley Park village, part			75484
166	6			Westchester village			80047
168	6			Western Springs village			80242
171	5			Wheeling village, part			81087
172	5			Wilmette village			82075
173	6			Winnetka village			82530
248	5			Woodridge village, part			83245
178	6			Worth village			83518
999	9			Balance of county			99999
017	000	2	999	9 Crawford	033	6 0000	
018	000	2	999	9 Cumberland	035	6 0000	
019	055	1		DeKalb	037	4 1600	
			047	5 DeKalb			19161
			229	6 Sycamore			74223
			999	9 Balance of county			99999
020	000	2	999	9 De Witt	039	6 0000	
021	000	2	999	9 Douglas	041	6 0000	
022	055	1		DuPage	043	1 1600	
			001	5 Addison village			00243
			006	3 Aurora, part			03012
			007	5 Bartlett village, part			04013
			008	6 Batavia, part			04078
			012	6 Bensenville village, part			05248
			014	6 Bloomingdale village			06587
			017	4 Bolingbrook village, part			07133
			208	6 Burr Ridge village, part			09980
			028	5 Carol Stream village			11332
			034	0 Chicago, part			14000
			044	6 Darien			18628
			051	5 Downers Grove village			20591
			058	5 Elk Grove Village village, part			23256
			059	5 Elmhurst, part			23620
			069	5 Glendale Heights village			29730
			070	5 Glen Ellyn village			29756

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
IL				Illinois	IL		
	022			DuPage, con.		043	1 1600
		074	5	Hanover Park village, part			32746
		080	6	Hinsdale village, part			35307
		232	6	Lemont village, part			42795
		096	6	Lisle village			43939
		097	5	Lombard village			44407
		116	3	Naperville, part			51622
		147	6	Roselle village, part			65806
		149	5	St. Charles, part			66703
		150	4	Schaumburg village, part			68003
		162	6	Villa Park village			77993
		163	6	Warrenville			78929
		167	6	West Chicago			80060
		169	6	Westmont village			80645
		170	4	Wheaton			81048
		174	6	Wood Dale			82985
		175	5	Woodridge village, part			83245
		999	9	Balance of county			99999
	023 000	2	999	9 Edgar		045	6 0000
	024 000	2	999	9 Edwards		047	9 0000
	025 000	2		Effingham		049	5 0000
			056	6 Effingham			22736
			999	9 Balance of county			99999
	026 000	2	999	9 Fayette		051	6 0000
	027 000	2	999	9 Ford		053	6 0000
	028 000	2	999	9 Franklin		055	5 0000
	029 000	2		Fulton		057	5 0000
			026	6 Canton			11007
			999	9 Balance of county			99999
	030 000	2	999	9 Gallatin		059	9 0000
	031 000	2	999	9 Greene		061	6 0000
	032 055	1		Grundy		063	5 1600
			110	6 Morris			50491
			999	9 Balance of county			99999
	033 000	2	999	9 Hamilton		065	9 0000
	034 000	2	999	9 Hancock		067	6 0000
	035 000	2	999	9 Hardin		069	9 0000
	036 000	2	999	9 Henderson		071	9 0000
	037 069	1		Henry		073	4 1960
			087	6 Kewanee			39727
			999	9 Balance of county			99999
	038 000	2	999	9 Iroquois		075	5 0000
	039 000	2		Jackson		077	4 0000
			027	6 Carbondale			11163
			219	6 Murphysboro			51453
			999	9 Balance of county			99999
	040 000	2	999	9 Jasper		079	6 0000
	041 000	2		Jefferson		081	5 0000
			238	6 Centralia, part			12164
			114	6 Mount Vernon			51180
			999	9 Balance of county			99999
	042 243	1	999	9 Jersey		083	6 7040
	043 000	2	999	9 Jo Daviess		085	6 0000
	044 000	2	999	9 Johnson		087	6 0000
	045 055	1		Kane		089	2 1600
			002	6 Algonquin village, part			00685
			006	3 Aurora, part			03012
			007	5 Bartlett village, part			04013
			008	6 Batavia, part			04078
			029	5 Carpentersville village			11358
			057	4 Elgin, part			23074
			068	6 Geneva			28872
			243	5 Hoffman Estates village, part			35411
			221	6 North Aurora village			53442
			149	5 St. Charles, part			66703
			226	6 South Elgin village			70720
			999	9 Balance of county			99999
	046 144	1		Kankakee		091	3 3740
			018	6 Bourbonnais village			07471
			019	6 Bradley village			07744
			086	5 Kankakee			38934
			999	9 Balance of county			99999
	047 055	1		Kendall		093	4 1600
			236	3 Aurora, part			03012

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IL						Illinois	IL				
	047					Kendall, con.		093	4	1600	
		244	3			Joliet, part				38570	
		222	6			Oswego village				56887	
		999	9			Balance of county				99999	
	048	000	2			Knox		095	4	0000	
		067	5			Galesburg				28326	
		999	9			Balance of county				99999	
	049	055	1			Lake		097	1	1600	
		235	4			Arlington Heights village, part				02154	
		230	6			Barrington village, part				03844	
		207	6			Beach Park village				04303	
		022	5			Buffalo Grove village, part				09447	
		046	6			Deerfield village, part				18992	
		212	6			Grayslake village				31121	
		073	5			Gurnee village				32018	
		079	5			Highland Park				34722	
		090	6			Lake Forest				41105	
		091	6			Lake Zurich village				41742	
		093	6			Libertyville village				43250	
		215	6			Lindenhurst village				43770	
		115	5			Mundelein village				51349	
		121	5			North Chicago				53559	
		148	5			Round Lake Beach village				66040	
		161	6			Vernon Hills village				77694	
		165	4			Waukegan				79293	
		171	5			Wheeling village, part				81087	
		179	6			Zion				84220	
		999	9			Balance of county				99999	
	050	000	2			La Salle		099	3	0000	
		128	6			Ottawa				56926	
		157	6			Streator, part				73170	
		999	9			Balance of county				99999	
	051	000	2			Lawrence		101	6	0000	
	052	000	2			Lee		103	5	0000	
		049	6			Dixon				20162	
		999	9			Balance of county				99999	
	053	000	2			Livingston		105	5	0000	
		136	6			Pontiac				61015	
		157	6			Streator, part				73170	
		999	9			Balance of county				99999	
	054	000	2			Logan		107	5	0000	
		094	6			Lincoln				43536	
		999	9			Balance of county				99999	
	055	000	2			McDonough		109	5	0000	
		101	6			Macomb				45889	
		999	9			Balance of county				99999	
	056	055	1			McHenry		111	2	1600	
		002	6			Algonquin village, part				00685	
		030	6			Cary village				11592	
		042	5			Crystal Lake				17887	
		213	6			Lake in the Hills village				41183	
		099	6			McHenry				45694	
		177	6			Woodstock				83349	
		999	9			Balance of county				99999	
	057	035	1			McLean		113	3	1040	
		015	4			Bloomington				06613	
		118	5			Normal				53234	
		999	9			Balance of county				99999	
	058	073	1			Macon		115	3	2040	
		045	4			Decatur				18823	
		999	9			Balance of county				99999	
	059	000	2			Macoupin		117	5	0000	
	060	243	1			Madison		119	2	7040	
		004	5			Alton				01114	
		038	6			Collinsville, part				15599	
		055	6			Edwardsville				22697	
		210	6			Glen Carbon village				29639	
		211	6			Godfrey				30094	
		072	5			Granite City				30926	
		176	6			Wood River				83271	
		999	9			Balance of county				99999	
	061	000	2			Marion		121	5	0000	
		031	6			Centralia, part				12164	
		999	9			Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IL Illinois							IL				
062	000	2	999	9		Marshall	123	6	0000		
063	000	2	999	9		Mason	125	6	0000		
064	000	2	999	9		Massac	127	6	0000		
065	269	1	999	9		Menard	129	6	7880		
066	000	2	999	9		Mercer	131	6	0000		
067	243	1	999	9		Monroe	133	5	7040		
068	000	2	999	9		Montgomery	135	5	0000		
069	000	2				Morgan	137	5	0000		
			083	6		Jacksonville				38115	
			999	9		Balance of county				99999	
070	000	2	999	9		Moultrie	139	6	0000		
071	237	1	999	9		Ogle	141	4	6880		
072	213	1				Peoria	143	3	6120		
			134	5		Pekin, part				58447	
			135	3		Peoria				59000	
			999	9		Balance of county				99999	
073	000	2	999	9		Perry	145	6	0000		
074	000	2	999	9		Piatt	147	6	0000		
075	000	2	999	9		Pike	149	6	0000		
076	000	2	999	9		Pope	151	9	0000		
077	000	2	999	9		Pulaski	153	9	0000		
078	000	2	999	9		Putnam	155	9	0000		
079	000	2	999	9		Randolph	157	5	0000		
080	000	2	999	9		Richland	159	6	0000		
081	069	1				Rock Island	161	3	1960		
			052	6		East Moline				22073	
			109	5		Moline				49867	
			144	5		Rock Island				65078	
			999	9		Balance of county				99999	
082	243	1				St. Clair	163	2	7040		
			009	5		Bellefontaine				04845	
			024	6		Cahokia village				10370	
			038	6		Collinsville, part				15599	
			054	5		East St. Louis				22255	
			063	6		Fairview Heights				25141	
			126	6		O'Fallon				55249	
			228	6		Swansea village				74119	
			999	9		Balance of county				99999	
083	000	2	999	9		Saline	165	5	0000		
084	269	1				Sangamon	167	3	7880		
			154	3		Springfield				72000	
			999	9		Balance of county				99999	
085	000	2	999	9		Schuylerville	169	9	0000		
086	000	2	999	9		Scott	171	9	0000		
087	000	2	999	9		Shelby	173	6	0000		
088	000	2	999	9		Stark	175	9	0000		
089	000	2				Stephenson	177	5	0000		
			066	5		Freeport				27884	
			999	9		Balance of county				99999	
090	213	1				Tazewell	179	3	6120		
			053	6		East Peoria				22164	
			112	6		Morton village				50621	
			134	5		Pekin, part				58447	
			164	6		Washington				79033	
			999	9		Balance of county				99999	
091	000	2	999	9		Union	181	6	0000		
092	000	2				Vermilion	183	4	0000		
			043	5		Danville				18563	
			999	9		Balance of county				99999	
093	000	2	999	9		Wabash	185	6	0000		
094	000	2	999	9		Warren	187	6	0000		
095	000	2				Washington	189	6	0000		
			239	6		Centralia, part				12164	
			999	9		Balance of county				99999	
096	000	2	999	9		Wayne	191	6	0000		
097	000	2	999	9		White	193	6	0000		
098	000	2				Whiteside	195	4	0000		
			155	6		Sterling				72546	
			999	9		Balance of county				99999	
099	055	1				Will	197	1	1600		
			237	3		Aurora, part				03012	
			017	4		Bolingbrook village, part				07133	
			040	6		Crest Hill				17458	
			209	6		Frankfort village, part				27624	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IN							IN				
001	102	1	999	9		Indiana	001	5	2760		
002	102	1				Adams	003	2	2760		
						Allen				25000	
			015	3		Fort Wayne				52992	
			047	6		New Haven				99999	
			999	9		Balance of county					
003	000	2				Bartholomew	005	4	0000		
			007	5		Columbus				14734	
			999	9		Balance of county				99999	
004	000	2	999	9		Benton	007	9	0000		
005	000	2	999	9		Blackford	009	6	0000		
006	130	1				Boone	011	5	3480		
			035	6		Lebanon				42624	
			999	9		Balance of county				99999	
007	000	2	999	9		Brown	013	6	0000		
008	000	2	999	9		Carroll	015	6	0000		
009	000	2				Cass	017	5	0000		
			036	6		Logansport				44658	
			999	9		Balance of county				99999	
010	169	1				Clark	019	4	4520		
			006	6		Clarksville				12934	
			029	5		Jeffersonville				38358	
			999	9		Balance of county				99999	
011	280	1	999	9		Clay	021	5	8320		
012	152	1				Clinton	023	5	3920		
			016	6		Frankfort				25324	
			999	9		Balance of county				99999	
013	000	2	999	9		Crawford	025	6	0000		
014	000	2				Daviess	027	5	0000		
			063	6		Washington				80504	
			999	9		Balance of county				99999	
015	057	1	999	9		Dearborn	029	5	1640		
016	000	2				Decatur	031	6	0000		
			069	6		Greensburg				29718	
			999	9		Balance of county				99999	
017	102	1				DeKalb	033	5	2760		
			065	6		Auburn				02674	
			999	9		Balance of county				99999	
018	189	1				Delaware	035	3	5280		
			043	4		Muncie				51876	
			999	9		Balance of county				99999	
019	000	2				Dubois	037	5	0000		
			028	6		Jasper				37782	
			999	9		Balance of county				99999	
020	084	1				Elkhart	039	3	2330		
			013	4		Elkhart				20728	
			019	5		Goshen				28386	
			999	9		Balance of county				99999	
021	000	2				Fayette	041	5	0000		
			008	6		Connersville				14932	
			999	9		Balance of county				99999	
022	169	1				Floyd	043	4	4520		
			045	5		New Albany				52326	
			999	9		Balance of county				99999	
023	000	2	999	9		Fountain	045	6	0000		
024	000	2	999	9		Franklin	047	6	0000		
025	000	2	999	9		Fulton	049	6	0000		
026	000	2	999	9		Gibson	051	5	0000		
027	000	2				Grant	053	4	0000		
			038	5		Marion				46908	
			999	9		Balance of county				99999	
028	000	2	999	9		Greene	055	5	0000		
029	130	1				Hamilton	057	3	3480		
			005	5		Carmel				10342	
			068	5		Fishers				23278	
			048	5		Noblesville				54180	
			999	9		Balance of county				99999	
030	130	1				Hancock	059	4	3480		
			020	6		Greenfield				29520	
			999	9		Balance of county				99999	
031	169	1	999	9		Harrison	061	5	4520		
032	130	1				Hendricks	063	3	3480		
			066	6		Brownsburg				08416	
			050	6		Plainfield				60246	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IN				Indiana			IN				
	033	000	2	Henry				065	5	0000	
				046	6	New Castle				52740	
				999	9	Balance of county				99999	
	034	149	1	Howard				067	4	3850	
				030	5	Kokomo				40392	
				999	9	Balance of county				99999	
	035	102	1	Huntington				069	5	2760	
				026	6	Huntington				35302	
				999	9	Balance of county				99999	
	036	000	2	Jackson				071	5	0000	
				054	6	Seymour				68832	
				999	9	Balance of county				99999	
	037	000	2	Jasper				073	5	0000	
	038	000	2	Jay				075	6	0000	
	039	000	2	Jefferson				077	5	0000	
				037	6	Madison				45990	
				999	9	Balance of county				99999	
	040	000	2	Jennings				079	5	0000	
	041	130	1	Johnson				081	3	3480	
				017	6	Franklin				25450	
				021	5	Greenwood				29898	
				999	9	Balance of county				99999	
	042	000	2	Knox				083	5	0000	
				060	6	Vincennes				79208	
				999	9	Balance of county				99999	
	043	000	2	Kosciusko				085	4	0000	
				062	6	Warsaw				80306	
				999	9	Balance of county				99999	
	044	000	2	Lagrange				087	5	0000	
	045	108	1	Lake				089	2	2960	
				010	6	Crown Point				16138	
				011	6	Dyer				19270	
				012	5	East Chicago				19486	
				018	3	Gary				27000	
				022	6	Griffith				30042	
				023	4	Hammond				31000	
				024	6	Highland				33466	
				025	5	Hobart				34114	
				032	6	Lake Station				41535	
				040	5	Merrillville				48528	
				044	6	Munster				51912	
				053	6	Schererville				68220	
				999	9	Balance of county				99999	
	046	000	2	LaPorte				091	3	0000	
				033	6	LaPorte				42246	
				041	5	Michigan City				48798	
				999	9	Balance of county				99999	
	047	000	2	Lawrence				093	5	0000	
				002	6	Bedford				04114	
				999	9	Balance of county				99999	
	048	130	1	Madison				095	3	3480	
				001	4	Anderson				01468	
				999	9	Balance of county				99999	
	049	130	1	Marion				097	1	3480	
				003	6	Beech Grove				04204	
				027	1	Indianapolis				36003	
				034	5	Lawrence				42426	
				057	6	Speedway				71828	
				999	9	Balance of county				99999	
	050	000	2	Marshall				099	5	0000	
	051	000	2	Martin				101	6	0000	
	052	000	2	Miami				103	5	0000	
				049	6	Peru				59328	
				999	9	Balance of county				99999	
	053	034	1	Monroe				105	3	1020	
				004	4	Bloomington				05860	
				999	9	Balance of county				99999	
	054	000	2	Montgomery				107	5	0000	
				009	6	Crawfordsville				15742	
				999	9	Balance of county				99999	
	055	130	1	Morgan				109	4	3480	
				039	6	Martinsville				47448	
				999	9	Balance of county				99999	
	056	000	2	Newton				111	6	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IN Indiana							IN				
057	000	2	999	9	Noble		113	5	0000		
058	057	1	999	9	Ohio		115	9	1640		
059	000	2	999	9	Orange		117	6	0000		
060	000	2	999	9	Owen		119	6	0000		
061	000	2	999	9	Parke		121	6	0000		
062	000	2	999	9	Perry		123	6	0000		
063	000	2	999	9	Pike		125	6	0000		
064	108	1			Porter		127	3	2960		
			067	6	Chesterton					12412	
			051	5	Portage					61092	
			059	5	Valparaiso					78326	
			999	9	Balance of county					99999	
065	089	1	999	9	Posey		129	5	2440		
066	000	2	999	9	Pulaski		131	6	0000		
067	000	2	999	9	Putnam		133	5	0000		
068	000	2	999	9	Randolph		135	5	0000		
069	000	2	999	9	Ripley		137	5	0000		
070	000	2	999	9	Rush		139	6	0000		
071	267	1			St. Joseph		141	2	7800		
			042	5	Mishawaka					49932	
			056	3	South Bend					71000	
			999	9	Balance of county					99999	
072	169	1	999	9	Scott		143	6	4520		
073	130	1			Shelby		145	5	3480		
			055	6	Shelbyville					69318	
			999	9	Balance of county					99999	
074	000	2	999	9	Spencer		147	6	0000		
075	000	2	999	9	Starke		149	6	0000		
076	000	2	999	9	Steuben		151	5	0000		
077	000	2	999	9	Sullivan		153	6	0000		
078	000	2	999	9	Switzerland		155	9	0000		
079	152	1			Tippecanoe		157	3	3920		
			031	4	Lafayette					40788	
			064	5	West Lafayette					82862	
			999	9	Balance of county					99999	
080	149	1	999	9	Tipton		159	6	3850		
081	000	2	999	9	Union		161	9	0000		
082	089	1			Vanderburgh		163	3	2440		
			014	3	Evansville					22000	
			999	9	Balance of county					99999	
083	280	1	999	9	Vermillion		165	6	8320		
084	280	1			Vigo		167	3	8320		
			058	4	Terre Haute					75428	
			999	9	Balance of county					99999	
085	000	2			Wabash		169	5	0000		
			061	6	Wabash					79370	
			999	9	Balance of county					99999	
086	000	2	999	9	Warren		171	9	0000		
087	089	1	999	9	Warrick		173	4	2440		
088	000	2	999	9	Washington		175	5	0000		
089	000	2			Wayne		177	4	0000		
			052	5	Richmond					64260	
			999	9	Balance of county					99999	
090	102	1	999	9	Wells		179	5	2760		
091	000	2	999	9	White		181	5	0000		
092	102	1	999	9	Whitley		183	5	2760		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IA				Iowa			IA				
001	000	2	999	9		Adair	001	9	0000		
002	000	2	999	9		Adams	003	9	0000		
003	000	2	999	9		Allamakee	005	6	0000		
004	000	2	999	9		Appanoose	007	6	0000		
005	000	2	999	9		Audubon	009	9	0000		
006	000	2	999	9		Benton	011	5	0000		
007	297	1				Black Hawk	013	3	8920		
			006	5		Cedar Falls				11755	
			029	4		Waterloo				82425	
			999	9		Balance of county				99999	
008	000	2				Boone	015	5	0000		
			004	6		Boone				07480	
			999	9		Balance of county				99999	
009	000	2	999	9		Bremer	017	6	0000		
010	000	2	999	9		Buchanan	019	6	0000		
011	000	2				Buena Vista	021	6	0000		
			035	6		Storm Lake				75630	
			999	9		Balance of county				99999	
012	000	2	999	9		Butler	023	6	0000		
013	000	2	999	9		Calhoun	025	6	0000		
014	000	2				Carroll	027	6	0000		
			033	6		Carroll				11080	
			999	9		Balance of county				99999	
015	000	2	999	9		Cass	029	6	0000		
016	000	2	999	9		Cedar	031	6	0000		
017	000	2				Cerro Gordo	033	5	0000		
			021	5		Mason City				50160	
			999	9		Balance of county				99999	
018	000	2	999	9		Cherokee	035	6	0000		
019	000	2	999	9		Chickasaw	037	6	0000		
020	000	2	999	9		Clarke	039	9	0000		
021	000	2				Clay	041	6	0000		
			027	6		Spencer				74280	
			999	9		Balance of county				99999	
022	000	2	999	9		Clayton	043	6	0000		
023	000	2				Clinton	045	4	0000		
			008	5		Clinton				14430	
			999	9		Balance of county				99999	
024	000	2	999	9		Crawford	047	6	0000		
025	075	1				Dallas	049	5	2120		
			036	6		Clive, part				14520	
			038	5		Urbandale, part				79950	
			030	5		West Des Moines, part				83910	
			999	9		Balance of county				99999	
026	000	2	999	9		Davis	051	9	0000		
027	000	2	999	9		Decatur	053	9	0000		
028	000	2	999	9		Delaware	055	6	0000		
029	000	2				Des Moines	057	5	0000		
			005	5		Burlington				09550	
			999	9		Balance of county				99999	
030	000	2	999	9		Dickinson	059	6	0000		
031	079	1				Dubuque	061	4	2200		
			013	4		Dubuque				22395	
			999	9		Balance of county				99999	
032	000	2	999	9		Emmet	063	6	0000		
033	000	2	999	9		Fayette	065	6	0000		
034	000	2	999	9		Floyd	067	6	0000		
035	000	2	999	9		Franklin	069	6	0000		
036	000	2	999	9		Fremont	071	9	0000		
037	000	2	999	9		Greene	073	6	0000		
038	000	2	999	9		Grundy	075	6	0000		
039	000	2	999	9		Guthrie	077	6	0000		
040	000	2	999	9		Hamilton	079	6	0000		
041	000	2	999	9		Hancock	081	6	0000		
042	000	2	999	9		Hardin	083	6	0000		
043	000	2	999	9		Harrison	085	6	0000		
044	000	2	999	9		Henry	087	6	0000		
045	000	2	999	9		Howard	089	9	0000		
046	000	2	999	9		Humboldt	091	6	0000		
047	000	2	999	9		Ida	093	9	0000		
048	000	2	999	9		Iowa	095	6	0000		
049	000	2	999	9		Jackson	097	6	0000		
050	000	2	999	9		Jasper	099	5	0000		
			023	6		Newton				56505	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IA				Iowa			IA				
	050			Jasper, con.				099	5	0000	
				Balance of county						99999	
051	000	2	999	9		Jefferson		101	6	0000	
052	131	1				Johnson		103	3	3500	
			009	6		Coralville				16230	
			017	4		Iowa City				38595	
			999	9		Balance of county				99999	
053	000	2	999	9		Jones		105	6	0000	
054	000	2	999	9		Keokuk		107	6	0000	
055	000	2	999	9		Kossuth		109	6	0000	
056	000	2				Lee		111	5	0000	
			015	6		Fort Madison				28605	
			018	6		Keokuk				40845	
			999	9		Balance of county				99999	
057	047	1				Linn		113	3	1360	
			007	3		Cedar Rapids				12000	
			019	5		Marion				49485	
			999	9		Balance of county				99999	
058	000	2	999	9		Louisa		115	6	0000	
059	000	2	999	9		Lucas		117	9	0000	
060	000	2	999	9		Lyon		119	6	0000	
061	000	2	999	9		Madison		121	6	0000	
062	000	2				Mahaska		123	6	0000	
			024	6		Oskaloosa				59925	
			999	9		Balance of county				99999	
063	000	2	999	9		Marion		125	5	0000	
064	000	2				Marshall		127	5	0000	
			020	5		Marshalltown				49755	
			999	9		Balance of county				99999	
065	000	2	999	9		Mills		129	6	0000	
066	000	2	999	9		Mitchell		131	6	0000	
067	000	2	999	9		Monona		133	6	0000	
068	000	2	999	9		Monroe		135	9	0000	
069	000	2	999	9		Montgomery		137	6	0000	
070	000	2				Muscatine		139	5	0000	
			022	6		Muscatine				55110	
			999	9		Balance of county				99999	
071	000	2	999	9		O'Brien		141	6	0000	
072	000	2	999	9		Osceola		143	9	0000	
073	000	2	999	9		Page		145	6	0000	
074	000	2	999	9		Palo Alto		147	6	0000	
075	000	2				Plymouth		149	6	0000	
			037	4		Sioux City, part				73335	
			999	9		Balance of county				99999	
076	000	2	999	9		Pocahontas		151	9	0000	
077	075	1				Polk		153	2	2120	
			032	6		Altoona				01630	
			002	5		Ankeny				02305	
			034	6		Clive, part				14520	
			012	3		Des Moines				21000	
			028	5		Urbandale, part				79950	
			030	5		West Des Moines, part				83910	
			999	9		Balance of county				99999	
078	206	1				Pottawattamie		155	4	5920	
			010	4		Council Bluffs				16860	
			999	9		Balance of county				99999	
079	000	2	999	9		Poweshiek		157	6	0000	
080	000	2	999	9		Ringgold		159	9	0000	
081	000	2	999	9		Sac		161	6	0000	
082	069	1				Scott		163	3	1960	
			003	5		Bettendorf				06355	
			011	4		Davenport				19000	
			999	9		Balance of county				99999	
083	000	2	999	9		Shelby		165	6	0000	
084	000	2	999	9		Sioux		167	5	0000	
085	000	2				Story		169	4	0000	
			001	4		Ames				01855	
			999	9		Balance of county				99999	
086	000	2	999	9		Tama		171	6	0000	
087	000	2	999	9		Taylor		173	9	0000	
088	000	2	999	9		Union		175	6	0000	
089	000	2	999	9		Van Buren		177	9	0000	
090	000	2				Wapello		179	5	0000	
			025	6		Ottumwa				60465	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
IA				Iowa			IA				
090				Wapello, con.			179	5	0000		
				Balance of county						99999	
091	075	1		Warren			181	5	2120		
				Indianola						38280	
				Balance of county						99999	
092	000	2	999	9	Washington		183	6	0000		
093	000	2	999	9	Wayne		185	9	0000		
094	000	2			Webster		187	5	0000		
					Fort Dodge					28515	
					Balance of county					99999	
095	000	2	999	9	Winnebago		189	6	0000		
096	000	2	999	9	Winneshiek		191	6	0000		
097	265	1			Woodbury		193	3	7720		
					Sioux City, part					73335	
					Balance of county					99999	
098	000	2	999	9	Worth		195	9	0000		
099	000	2	999	9	Wright		197	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
KS				Kansas			KS				
001	000	2	999	9		Allen	001	6	0000		
002	000	2	999	9		Anderson	003	9	0000		
003	000	2				Atchison	005	6	0000		
			002	6		Atchison				02900	
			999	9		Balance of county				99999	
004	000	2	999	9		Barber	007	9	0000		
005	000	2				Barton	009	5	0000		
			009	6		Great Bend				28300	
			999	9		Balance of county				99999	
006	000	2	999	9		Bourbon	011	6	0000		
007	000	2	999	9		Brown	013	6	0000		
008	301	1				Butler	015	4	9040		
			006	6		El Dorado				20075	
			999	9		Balance of county				99999	
009	000	2	999	9		Chase	017	9	0000		
010	000	2	999	9		Chautauqua	019	9	0000		
011	000	2	999	9		Cherokee	021	6	0000		
012	000	2	999	9		Cheyenne	023	9	0000		
013	000	2	999	9		Clark	025	9	0000		
014	000	2	999	9		Clay	027	9	0000		
015	000	2	999	9		Cloud	029	6	0000		
016	000	2	999	9		Coffey	031	9	0000		
017	000	2	999	9		Comanche	033	9	0000		
018	000	2				Cowley	035	5	0000		
			001	6		Arkansas City				02300	
			034	6		Winfield				79950	
			999	9		Balance of county				99999	
019	000	2				Crawford	037	5	0000		
			028	6		Pittsburg				56025	
			999	9		Balance of county				99999	
020	000	2	999	9		Decatur	039	9	0000		
021	000	2	999	9		Dickinson	041	6	0000		
022	000	2	999	9		Doniphan	043	9	0000		
023	160	1				Douglas	045	4	4150		
			015	4		Lawrence				38900	
			999	9		Balance of county				99999	
024	000	2	999	9		Edwards	047	9	0000		
025	000	2	999	9		Elk	049	9	0000		
026	000	2				Ellis	051	5	0000		
			010	6		Hays				31100	
			999	9		Balance of county				99999	
027	000	2	999	9		Ellsworth	053	9	0000		
028	000	2				Finney	055	5	0000		
			008	5		Garden City				25325	
			999	9		Balance of county				99999	
029	000	2				Ford	057	5	0000		
			005	5		Dodge City				18250	
			999	9		Balance of county				99999	
030	000	2				Franklin	059	6	0000		
			025	6		Ottawa				53550	
			999	9		Balance of county				99999	
031	000	2				Geary	061	5	0000		
			013	6		Junction City				35750	
			999	9		Balance of county				99999	
032	000	2	999	9		Gove	063	9	0000		
033	000	2	999	9		Graham	065	9	0000		
034	000	2	999	9		Grant	067	9	0000		
035	000	2	999	9		Gray	069	9	0000		
036	000	2	999	9		Greeley	071	9	0000		
037	000	2	999	9		Greenwood	073	9	0000		
038	000	2	999	9		Hamilton	075	9	0000		
039	000	2	999	9		Harper	077	9	0000		
040	301	1				Harvey	079	5	9040		
			023	6		Newton				50475	
			999	9		Balance of county				99999	
041	000	2	999	9		Haskell	081	9	0000		
042	000	2	999	9		Hodgeman	083	9	0000		
043	000	2	999	9		Jackson	085	6	0000		
044	000	2	999	9		Jefferson	087	6	0000		
045	000	2	999	9		Jewell	089	9	0000		
046	145	1				Johnson	091	2	3760		
			017	5		Leawood				39075	
			018	5		Lenexa				39350	
			022	6		Merriam				46000	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
KS				Kansas	KS		
	046			Johnson, con.		091	2 3760
		024	4	Olathe			52575
		026	3	Overland Park			53775
		029	6	Prairie Village			57575
		031	5	Shawnee			64500
		999	9	Balance of county			99999
047	000	2	999	9 Kearny	093	9 0000	
048	000	2	999	9 Kingman	095	9 0000	
049	000	2	999	9 Kiowa	097	9 0000	
050	000	2		Labette	099	6 0000	
		027	6	Parsons			54675
		999	9	Balance of county			99999
051	000	2	999	9 Lane	101	9 0000	
052	145	1		Leavenworth	103	4 3760	
		016	5	Leavenworth			39000
		999	9	Balance of county			99999
053	000	2	999	9 Lincoln	105	9 0000	
054	000	2	999	9 Linn	107	9 0000	
055	000	2	999	9 Logan	109	9 0000	
056	000	2		Lyon	111	5 0000	
		007	5	Emporia			21275
		999	9	Balance of county			99999
057	000	2		McPherson	113	5 0000	
		020	6	McPherson			43950
		999	9	Balance of county			99999
058	000	2	999	9 Marion	115	6 0000	
059	000	2	999	9 Marshall	117	6 0000	
060	000	2	999	9 Meade	119	9 0000	
061	145	1	999	9 Miami	121	5 3760	
062	000	2	999	9 Mitchell	123	9 0000	
063	000	2		Montgomery	125	5 0000	
		003	6	Coffeyville			14600
		999	9	Balance of county			99999
064	000	2	999	9 Morris	127	9 0000	
065	000	2	999	9 Morton	129	9 0000	
066	000	2	999	9 Nemaha	131	6 0000	
067	000	2	999	9 Neosho	133	6 0000	
068	000	2	999	9 Ness	135	9 0000	
069	000	2	999	9 Norton	137	9 0000	
070	000	2	999	9 Osage	139	6 0000	
071	000	2	999	9 Osborne	141	9 0000	
072	000	2	999	9 Ottawa	143	9 0000	
073	000	2	999	9 Pawnee	145	9 0000	
074	000	2	999	9 Phillips	147	9 0000	
075	000	2		Pottawatomie	149	6 0000	
		021	5	Manhattan, part			44250
		999	9	Balance of county			99999
076	000	2	999	9 Pratt	151	9 0000	
077	000	2	999	9 Rawlins	153	9 0000	
078	000	2		Reno	155	4 0000	
		011	5	Hutchinson			33625
		999	9	Balance of county			99999
079	000	2	999	9 Republic	157	9 0000	
080	000	2	999	9 Rice	159	6 0000	
081	000	2		Riley	161	4 0000	
		021	5	Manhattan, part			44250
		999	9	Balance of county			99999
082	000	2	999	9 Rooks	163	9 0000	
083	000	2	999	9 Rush	165	9 0000	
084	000	2	999	9 Russell	167	9 0000	
085	000	2		Saline	169	4 0000	
		030	5	Salina			62700
		999	9	Balance of county			99999
086	000	2	999	9 Scott	171	9 0000	
087	301	1		Sedgwick	173	2 9040	
		004	6	Derby			17800
		033	2	Wichita			79000
		999	9	Balance of county			99999
088	000	2		Seward	175	6 0000	
		019	6	Liberal			39825
		999	9	Balance of county			99999
089	283	1		Shawnee	177	3 8440	
		032	3	Topeka			71000
		999	9	Balance of county			99999

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
KS				Kansas	KS		
090	000	2	999	9 Sheridan	179	9	0000
091	000	2	999	9 Sherman	181	9	0000
092	000	2	999	9 Smith	183	9	0000
093	000	2	999	9 Stafford	185	9	0000
094	000	2	999	9 Stanton	187	9	0000
095	000	2	999	9 Stevens	189	9	0000
096	000	2	999	9 Sumner	191	5	0000
097	000	2	999	9 Thomas	193	9	0000
098	000	2	999	9 Trego	195	9	0000
099	000	2	999	9 Wabaunsee	197	9	0000
100	000	2	999	9 Wallace	199	9	0000
101	000	2	999	9 Washington	201	9	0000
102	000	2	999	9 Wichita	203	9	0000
103	000	2	999	9 Wilson	205	6	0000
104	000	2	999	9 Woodson	207	9	0000
105	145	1		Wyandotte	209	3	3760
		014	3	Kansas City			36000
			999	9 Balance of county			99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
KY				Kentucky			KY				
001	000	2	999	9		Adair	001	6	0000		
002	000	2	999	9		Allen	003	6	0000		
003	000	2	999	9		Anderson	005	6	0000		
004	000	2	999	9		Ballard	007	9	0000		
005	000	2				Barren	009	5	0000		
			011	6		Glasgow				31114	
			999	9		Balance of county				99999	
006	000	2	999	9		Bath	011	6	0000		
007	000	2				Bell	013	5	0000		
			019	6		Middlesborough				51924	
			999	9		Balance of county				99999	
008	057	1				Boone	015	4	1640		
			007	6		Florence				27982	
			999	9		Balance of county				99999	
009	163	1	999	9		Bourbon	017	6	4280		
010	128	1				Boyd	019	5	3400		
			001	6		Ashland				02368	
			999	9		Balance of county				99999	
011	000	2				Boyle	021	5	0000		
			004	6		Danville				19882	
			999	9		Balance of county				99999	
012	000	2	999	9		Bracken	023	9	0000		
013	000	2	999	9		Breathitt	025	6	0000		
014	000	2	999	9		Breckinridge	027	6	0000		
015	169	1	999	9		Bullitt	029	4	4520		
016	000	2	999	9		Butler	031	6	0000		
017	000	2	999	9		Caldwell	033	6	0000		
018	000	2				Calloway	035	5	0000		
			020	6		Murray				54642	
			999	9		Balance of county				99999	
019	057	1				Campbell	037	4	1640		
			008	6		Fort Thomas				28594	
			021	6		Newport				55884	
			999	9		Balance of county				99999	
020	000	2	999	9		Carlisle	039	9	0000		
021	000	2	999	9		Carroll	041	6	0000		
022	128	1	999	9		Carter	043	5	3400		
023	000	2	999	9		Casey	045	6	0000		
024	058	1				Christian	047	4	1660		
			013	5		Hopkinsville				37918	
			999	9		Balance of county				99999	
025	163	1				Clark	049	5	4280		
			030	6		Winchester				83676	
			999	9		Balance of county				99999	
026	000	2	999	9		Clay	051	6	0000		
027	000	2	999	9		Clinton	053	9	0000		
028	000	2	999	9		Crittenden	055	9	0000		
029	000	2	999	9		Cumberland	057	9	0000		
030	209	1				Daviess	059	4	5990		
			023	4		Owensboro				58620	
			999	9		Balance of county				99999	
031	000	2	999	9		Edmonson	061	6	0000		
032	000	2	999	9		Elliott	063	9	0000		
033	000	2	999	9		Estill	065	6	0000		
034	163	1	016	2		Fayette, coext. with Lexington-Fayette	067	2	4280	46027	
035	000	2	999	9		Fleming	069	6	0000		
036	000	2	999	9		Floyd	071	5	0000		
037	000	2				Franklin	073	5	0000		
			009	5		Frankfort				28900	
			999	9		Balance of county				99999	
038	000	2	999	9		Fulton	075	9	0000		
039	057	1	999	9		Gallatin	077	9	1640		
040	000	2	999	9		Garrard	079	6	0000		
041	057	1	999	9		Grant	081	6	1640		
042	000	2				Graves	083	5	0000		
			033	6		Mayfield				50898	
			999	9		Balance of county				99999	
043	000	2	999	9		Grayson	085	6	0000		
044	000	2	999	9		Green	087	6	0000		
045	128	1	999	9		Greenup	089	5	3400		
046	000	2	999	9		Hancock	091	9	0000		
047	000	2				Hardin	093	4	0000		
			005	6		Elizabethtown				24274	
			025	6		Radcliff				63912	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
KY				Kentucky			KY				
	047			Hardin, con.				093	4	0000	99999
				999 9		Balance of county					
048	000	2	999	9		Harlan		095	5	0000	
049	000	2	999	9		Harrison		097	6	0000	
050	000	2	999	9		Hart		099	6	0000	
051	089	1				Henderson		101	5	2440	
				012 5		Henderson					35866
				999 9		Balance of county					99999
052	000	2	999	9		Henry		103	6	0000	
053	000	2	999	9		Hickman		105	9	0000	
054	000	2				Hopkins		107	5	0000	
				018 6		Madisonville					49368
				999 9		Balance of county					99999
055	000	2	999	9		Jackson		109	6	0000	
056	169	1				Jefferson		111	1	4520	
				015 5		Jeffersontown					40222
				017 2		Louisville					48000
				027 6		St. Matthews					67944
				028 6		Shively					70284
				999 9		Balance of county					99999
057	163	1				Jessamine		113	5	4280	
				022 6		Nicholasville					56136
				999 9		Balance of county					99999
058	000	2	999	9		Johnson		115	6	0000	
059	057	1				Kenton		117	3	1640	
				003 5		Covington					17848
				006 6		Erlanger					25300
				014 6		Independence					39142
				999 9		Balance of county					99999
060	000	2	999	9		Knott		119	6	0000	
061	000	2	999	9		Knox		121	5	0000	
062	000	2	999	9		Larue		123	6	0000	
063	000	2	999	9		Laurel		125	4	0000	
064	000	2	999	9		Lawrence		127	6	0000	
065	000	2	999	9		Lee		129	9	0000	
066	000	2	999	9		Leslie		131	6	0000	
067	000	2	999	9		Letcher		133	5	0000	
068	000	2	999	9		Lewis		135	6	0000	
069	000	2	999	9		Lincoln		137	6	0000	
070	000	2	999	9		Livingston		139	9	0000	
071	000	2	999	9		Logan		141	5	0000	
072	000	2	999	9		Lyon		143	9	0000	
073	000	2				McCracken		145	4	0000	
				024 5		Paducah					58836
				999 9		Balance of county					99999
074	000	2	999	9		McCreary		147	6	0000	
075	000	2	999	9		McLean		149	9	0000	
076	163	1				Madison		151	4	4280	
				026 5		Richmond					65226
				999 9		Balance of county					99999
077	000	2	999	9		Magoffin		153	6	0000	
078	000	2	999	9		Marion		155	6	0000	
079	000	2	999	9		Marshall		157	5	0000	
080	000	2	999	9		Martin		159	6	0000	
081	000	2	999	9		Mason		161	6	0000	
082	000	2	999	9		Meade		163	5	0000	
083	000	2	999	9		Menifee		165	9	0000	
084	000	2	999	9		Mercer		167	6	0000	
085	000	2	999	9		Metcalfe		169	6	0000	
086	000	2	999	9		Monroe		171	6	0000	
087	000	2	999	9		Montgomery		173	6	0000	
088	000	2	999	9		Morgan		175	6	0000	
089	000	2	999	9		Muhlenberg		177	5	0000	
090	000	2				Nelson		179	5	0000	
				031 6		Bardstown					03628
				999 9		Balance of county					99999
091	000	2	999	9		Nicholas		181	9	0000	
092	000	2	999	9		Ohio		183	6	0000	
093	169	1	999	9		Oldham		185	5	4520	
094	000	2	999	9		Owen		187	6	0000	
095	000	2	999	9		Owsley		189	9	0000	
096	057	1	999	9		Pendleton		191	6	1640	
097	000	2	999	9		Perry		193	5	0000	
098	000	2	999	9		Pike		195	4	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
KY				Kentucky			KY				
099	000	2	999	9		Powell		197	6	0000	
100	000	2				Pulaski		199	4	0000	
			029	6		Somerset					71688
			999	9		Balance of county					99999
101	000	2	999	9		Robertson		201	9	0000	
102	000	2	999	9		Rockcastle		203	6	0000	
103	000	2	999	9		Rowan		205	6	0000	
104	000	2	999	9		Russell		207	6	0000	
105	163	1				Scott		209	5	4280	
			010	6		Georgetown					30700
			999	9		Balance of county					99999
106	000	2				Shelby		211	5	0000	
			034	6		Shelbyville					70050
			999	9		Balance of county					99999
107	000	2	999	9		Simpson		213	6	0000	
108	000	2	999	9		Spencer		215	6	0000	
109	000	2				Taylor		217	6	0000	
			032	6		Campbellsville					12160
			999	9		Balance of county					99999
110	000	2	999	9		Todd		219	6	0000	
111	000	2	999	9		Trigg		221	6	0000	
112	000	2	999	9		Trimble		223	9	0000	
113	000	2	999	9		Union		225	6	0000	
114	000	2				Warren		227	4	0000	
			002	5		Bowling Green					08902
			999	9		Balance of county					99999
115	000	2	999	9		Washington		229	6	0000	
116	000	2	999	9		Wayne		231	6	0000	
117	000	2	999	9		Webster		233	6	0000	
118	000	2	999	9		Whitley		235	5	0000	
119	000	2	999	9		Wolfe		237	9	0000	
120	163	1	999	9		Woodford		239	6	4280	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
LA				Louisiana			LA				
001	151	1		Acadia			001	4	3880		
				Crowley						18650	
				Eunice, part						24565	
				Balance of parish						99999	
002	000	2	999	9	Allen		003	5	0000		
003	024	1	999	9	Ascension		005	4	0760		
004	000	2	999	9	Assumption		007	6	0000		
005	000	2	999	9	Avoyelles		009	5	0000		
006	000	2	999	9	Beauregard		011	5	0000		
007	000	2	999	9	Bienville		013	6	0000		
008	264	1		Bossier			015	4	7680		
				007	4	Bossier City				08920	
				026	3	Shreveport, part				70000	
				999	9	Balance of parish				99999	
009	264	1		Caddo			017	2	7680		
				026	3	Shreveport, part				70000	
				999	9	Balance of parish				99999	
010	153	1		Calcasieu			019	3	3960		
				016	4	Lake Charles				41155	
				028	6	Sulphur				73640	
				999	9	Balance of parish				99999	
011	000	2	999	9	Caldwell		021	6	0000		
012	000	2	999	9	Cameron		023	9	0000		
013	000	2	999	9	Catahoula		025	6	0000		
014	000	2	999	9	Claiborne		027	6	0000		
015	000	2	999	9	Concordia		029	6	0000		
016	000	2	999	9	De Soto		031	5	0000		
017	024	1		East Baton Rouge			033	2	0760		
				003	6	Baker				03985	
				005	3	Baton Rouge				05000	
				035	6	Zachary				83405	
				999	9	Balance of parish				99999	
018	000	2	999	9	East Carroll		035	9	0000		
019	000	2	999	9	East Feliciana		037	6	0000		
020	000	2	999	9	Evangeline		039	5	0000		
021	000	2	999	9	Franklin		041	6	0000		
022	000	2	999	9	Grant		043	6	0000		
023	000	2		Iberia			045	4	0000		
				021	5	New Iberia				54035	
				999	9	Balance of parish				99999	
024	000	2	999	9	Ibererville		047	5	0000		
025	000	2	999	9	Jackson		049	6	0000		
026	196	1		Jefferson			051	2	5560		
				010	6	Gretna				31915	
				014	4	Kenner				39475	
				031	6	Westwego				81165	
				999	9	Balance of parish				99999	
027	000	2		Jefferson Davis			053	5	0000		
				013	6	Jennings				38355	
				999	9	Balance of parish				99999	
028	151	1		Lafayette			055	3	3880		
				015	3	Lafayette				40735	
				999	9	Balance of parish				99999	
029	126	1		Lafourche			057	4	3350		
				029	6	Thibodaux				75425	
				999	9	Balance of parish				99999	
030	000	2	999	9	La Salle		059	6	0000		
031	000	2		Lincoln			061	5	0000		
				025	6	Ruston				66655	
				999	9	Balance of parish				99999	
032	024	1	999	9	Livingston		063	4	0760		
033	000	2	999	9	Madison		065	6	0000		
034	000	2		Morehouse			067	5	0000		
				004	6	Bastrop				04685	
				999	9	Balance of parish				99999	
035	000	2		Natchitoches			069	5	0000		
				020	6	Natchitoches				53545	
				999	9	Balance of parish				99999	
036	196	1	022	2	Orleans, coext. with New Orleans city		071	2	5560	55000	
037	187	1		Ouachita			073	3	5200		
				018	4	Monroe				51410	
				030	6	West Monroe				80955	
				999	9	Balance of parish				99999	
038	196	1	999	9	Plaquemines		075	5	5560		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
LA				Louisiana			LA				
	039	000	2	999	9	Pointe Coupee		077	6	0000	
	040	006	1			Rapides		079	3	0220	
				002	5	Alexandria					00975
				024	6	Pineville					60530
				999	9	Balance of parish					99999
	041	000	2	999	9	Red River		081	9	0000	
	042	000	2	999	9	Richland		083	6	0000	
	043	000	2	999	9	Sabine		085	6	0000	
	044	196	1	999	9	St. Bernard		087	4	5560	
	045	196	1	999	9	St. Charles		089	5	5560	
	046	000	2	999	9	St. Helena		091	6	0000	
	047	196	1	999	9	St. James		093	6	5560	
	048	196	1	999	9	St. John the Baptist		095	5	5560	
	049	151	1			St. Landry		097	4	3880	
				009	6	Eunice, part					24565
				023	6	Opelousas					58045
				999	9	Balance of parish					99999
	050	151	1	999	9	St. Martin		099	5	3880	
	051	000	2			St. Mary		101	4	0000	
				019	6	Morgan City					52040
				999	9	Balance of parish					99999
	052	196	1			St. Tammany		103	3	5560	
				034	6	Mandeville					48225
				027	5	Slidell					70805
				999	9	Balance of parish					99999
	053	000	2			Tangipahoa		105	3	0000	
				011	6	Hammond					32755
				999	9	Balance of parish					99999
	054	000	2	999	9	Tensas		107	9	0000	
	055	126	1	999	9	Terrebonne		109	3	3350	
	056	000	2	999	9	Union		111	6	0000	
	057	000	2			Vermilion		113	4	0000	
				001	6	Abbeville					00100
				999	9	Balance of parish					99999
	058	000	2	999	9	Vernon		115	4	0000	
	059	000	2			Washington		117	5	0000	
				006	6	Bogalusa					08150
				999	9	Balance of parish					99999
	060	264	1			Webster		119	5	7680	
				017	6	Minden					50885
				999	9	Balance of parish					99999
	061	024	1	999	9	West Baton Rouge		121	6	0760	
	062	000	2	999	9	West Carroll		123	6	0000	
	063	000	2	999	9	West Feliciana		125	6	0000	
	064	000	2	999	9	Winn		127	6	0000	

Vital Statistics Codes					FIPS Codes				
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S	P/MSA Place	
ME				Maine	ME				
001	162	1		Androscoggin	001	3	4243		
				Auburn				02060	
				Lewiston				38740	
				Balance of county				99999	
002	000	2	999	9	Aroostook	003	4	0000	
003	219	1		Cumberland	005	2	6403		
				Portland				60545	
				South Portland				71990	
				Westbrook				82105	
				Balance of county				99999	
004	000	2	999	9	Franklin	007	5	0000	
005	000	2	999	9	Hancock	009	4	0000	
006	000	2		Kennebec	011	3	0000		
				Augusta				02100	
				Waterville				80740	
				Balance of county				99999	
007	000	2	999	9	Knox	013	5	0000	
008	000	2	999	9	Lincoln	015	5	0000	
009	000	2	999	9	Oxford	017	4	0000	
010	022	1		Penobscot	019	3	0733		
				Bangor				02795	
				Balance of county				99999	
011	000	2	999	9	Piscataquis	021	6	0000	
012	000	2	999	9	Sagadahoc	023	5	0000	
013	000	2	999	9	Somerset	025	4	0000	
014	000	2	999	9	Waldo	027	5	0000	
015	000	2	999	9	Washington	029	5	0000	
016	000	2		York	031	3	0000		
				Biddeford				04860	
				Saco				64675	
				Balance of county				99999	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MD				Maryland			MD				
001	066	1		Allegany			001	4	1900		
			007	6		Cumberland				21325	
			999	9		Balance of county				99999	
002	021	1		Anne Arundel			003	2	0720		
			002	5		Annapolis				01600	
			999	9		Balance of county				99999	
003	021	1	999	9	Baltimore		005	1	0720		
004	021	1	003	1	Baltimore city		510	1	0720	04000	
005	296	1	999	9	Calvert		009	4	8840		
006	000	2	999	9	Caroline		011	5	0000		
007	021	1		Carroll			013	3	0720		
			018	6	Westminster					83100	
			999	9	Balance of county					99999	
008	304	1		Cecil			015	4	9160		
			022	6	Elkton					25800	
			999	9	Balance of county					99999	
009	296	1	999	9	Charles		017	3	8840		
010	000	2		Dorchester			019	5	0000		
			005	6	Cambridge					12400	
			999	9	Balance of county					99999	
011	296	1		Frederick			021	3	8840		
			008	4	Frederick					30325	
			999	9	Balance of county					99999	
012	000	2	999	9	Garrett		023	5	0000		
013	021	1		Harford			025	3	0720		
			001	6	Aberdeen					00125	
			020	6	Bel Air					05550	
			023	6	Havre de Grace					37600	
			999	9	Balance of county					99999	
014	021	1	999	9	Howard		027	3	0720		
015	000	2	999	9	Kent		029	6	0000		
016	296	1		Montgomery			031	1	8840		
			009	4	Gaithersburg					31175	
			015	5	Rockville					67675	
			017	6	Takoma Park					76650	
			999	9	Balance of county					99999	
017	296	1		Prince George's			033	1	8840		
			004	4	Bowie					08775	
			006	6	College Park					18750	
			010	6	Greenbelt					34775	
			012	6	Hyattsville					41250	
			013	6	Laurel					45900	
			014	6	New Carrollton					55400	
			999	9	Balance of county					99999	
018	021	1	999	9	Queen Anne's		035	5	0720		
019	000	2	999	9	St. Mary's		037	4	0000		
020	000	2	999	9	Somerset		039	6	0000		
021	000	2		Talbot			041	5	0000		
			021	6	Easton					24475	
			999	9	Balance of county					99999	
022	119	1		Washington			043	3	3180		
			011	5	Hagerstown					36075	
			999	9	Balance of county					99999	
023	000	2		Wicomico			045	4	0000		
			016	6	Salisbury					69925	
			999	9	Balance of county					99999	
024	000	2	999	9	Worcester		047	5	0000		

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MA				Massachusetts	MA		
001	023	1		Barnstable	001	3	0743
				008 5 Barnstable Town			03690
				031 5 Falmouth town			23105
				113 6 Yarmouth town			82525
				999 9 Balance of county			99999
002	218	1		Berkshire	003	3	6323
				062 6 North Adams			46225
				067 5 Pittsfield			53960
				999 9 Balance of county			99999
003	037	1		Bristol	005	1	1123
				007 5 Attleboro			02690
				023 5 Dartmouth town			16425
				029 6 Fairhaven town			22130
				030 4 Fall River			23000
				106 6 Mansfield town			38225
				059 4 New Bedford			45000
				064 5 North Attleborough town			46575
				077 6 Somerset town			62430
				083 4 Taunton			69170
				999 9 Balance of county			99999
004	000	2		Dukes	007	6	0000
005	037	1		Essex	009	1	1123
				003 6 Amesbury town			01185
				005 5 Andover town			01465
				010 5 Beverly			05595
				022 5 Danvers town			16250
				035 5 Gloucester			26150
				036 4 Haverhill			29405
				041 4 Lawrence			34550
				046 4 Lynn			37490
				047 6 Lynnfield town			37560
				049 6 Marblehead town			38400
				054 5 Methuen			40710
				060 6 Newburyport			45245
				108 5 North Andover town			46365
				066 5 Peabody			52490
				074 5 Salem			59105
				075 5 Saugus town			60015
				082 6 Swampscott town			68645
				999 9 Balance of county			99999
006	000	2		Franklin	011	4	0000
007	271	1		Hampden	013	2	8003
				002 5 Agawam			00765
				020 4 Chicopee			13660
				027 6 East Longmeadow town			19645
				038 5 Holyoke			30840
				044 6 Longmeadow town			36300
				079 3 Springfield			67000
				090 5 Westfield			76030
				091 5 West Springfield town			77850
				999 9 Balance of county			99999
008	271	1		Hampshire	015	3	8003
				004 5 Amherst town			01325
				026 6 Easthampton			19330
				063 5 Northampton			46330
				111 6 South Hadley town			64145
				999 9 Balance of county			99999
009	037	1		Middlesex	017	0	1123
				100 6 Acton town			00380
				006 5 Arlington town			01605
				101 6 Ashland town			02130
				009 6 Belmont town			05070
				011 5 Billerica town			05805
				016 6 Burlington town			09840
				017 3 Cambridge			11000
				018 5 Chelmsford town			13135
				025 5 Dracut town			17475
				028 5 Everett			21990
				033 4 Framingham town			24925
				039 6 Hudson town			31540
				043 5 Lexington town			35215
				045 3 Lowell			37000
				048 4 Malden			37875
				050 5 Marlborough			38715

Vital Statistics Codes					FIPS Codes					
St	Cnty	P/MSA	M/NM	City P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MA					Massachusetts	MA				
009					Middlesex, con.		017	0	1123	
				051	6 Maynard town					39625
				052	4 Medford					39835
				053	5 Melrose					40115
				057	5 Natick town					43895
				061	4 Newton					45560
				109	6 North Reading town					48955
				071	6 Reading town					56130
				078	4 Somerville					62535
				080	6 Stoneham town					67665
				084	5 Tewksbury town					69415
				085	6 Wakefield town					72215
				086	4 Waltham					72600
				087	5 Watertown					73440
				095	6 Wilmington town					80230
				096	6 Winchester town					80510
				098	5 Woburn					81035
				999	9 Balance of county					99999
010	000	2	999	9 Nantucket		019	9	0000		
011	037	1		Norfolk		021	1	1123		
				013	5 Braintree town					07665
				015	4 Brookline town					09175
				104	6 Canton town					11315
				024	6 Dedham town					16495
				105	5 Franklin					25100
				037	6 Holbrook town					30455
				107	6 Medway town					39975
				056	5 Milton town					41690
				058	5 Needham town					44105
				065	5 Norwood town					50250
				069	4 Quincy					55745
				070	5 Randolph town					55955
				081	5 Stoughton town					67945
				112	6 Walpole town					72495
				089	5 Wellesley town					74175
				092	6 Westwood town					78690
				093	4 Weymouth town					78865
				999	9 Balance of county					99999
012	037	1		Plymouth		023	2	1123		
				001	6 Abington town					00170
				103	5 Bridgewater town					08085
				014	4 Brockton					09000
				040	6 Hull town					31645
				068	4 Plymouth town					54310
				073	6 Rockland town					57775
				110	6 Scituate town					60330
				094	6 Whitman town					79530
				999	9 Balance of county					99999
013	037	1		Suffolk		025	1	1123		
				012	1 Boston					07000
				019	5 Chelsea					13205
				072	5 Revere					56585
				097	6 Winthrop town					80930
014	037	1		Worcester		027	1	1123		
				102	6 Auburn town					02760
				021	6 Clinton town					14395
				032	5 Fitchburg					23875
				034	6 Gardner					25485
				042	5 Leominster					35075
				055	5 Milford town					41165
				076	5 Shrewsbury town					61800
				088	6 Webster town					73895
				099	3 Worcester					82000
				999	9 Balance of county					99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MI				Michigan			MI				
001	000	2	999	9		Alcona	001	6	0000		
002	000	2	999	9		Alger	003	9	0000		
003	112	1				Allegan	005	3	3000		
			051	5		Holland, part				38640	
			999	9		Balance of county				99999	
004	000	2				Alpena	007	5	0000		
			004	6		Alpena				01740	
			999	9		Balance of county				99999	
005	000	2	999	9		Antrim	009	6	0000		
006	000	2	999	9		Arenac	011	6	0000		
007	000	2	999	9		Baraga	013	9	0000		
008	000	2	999	9		Barry	015	4	0000		
009	240	1				Bay	017	3	6960		
			007	6		Bangor township				05120	
			009	5		Bay City				06020	
			064	5		Midland, part				53780	
			999	9		Balance of county				99999	
010	000	2	999	9		Benzie	019	6	0000		
011	027	1				Berrien	021	3	0870		
			010	6		Benton Harbor				07520	
			071	6		Niles, part				57760	
			999	9		Balance of county				99999	
012	000	2				Branch	023	5	0000		
			119	6		Coldwater				17020	
			999	9		Balance of county				99999	
013	143	1				Calhoun	025	3	3720		
			008	4		Battle Creek				05920	
			999	9		Balance of county				99999	
014	000	2				Cass	027	4	0000		
			071	6		Niles, part				57760	
			999	9		Balance of county				99999	
015	000	2	999	9		Charlevoix	029	5	0000		
016	000	2	999	9		Cheboygan	031	5	0000		
017	000	2				Chippewa	033	5	0000		
			091	6		Sault Ste. Marie				71740	
			999	9		Balance of county				99999	
018	000	2	999	9		Clare	035	5	0000		
019	156	1				Clinton	037	4	4040		
			133	5		East Lansing, part				24120	
			999	9		Balance of county				99999	
020	000	2	999	9		Crawford	039	6	0000		
021	000	2				Delta	041	5	0000		
			030	6		Escanaba				26360	
			999	9		Balance of county				99999	
022	000	2	999	9		Dickinson	043	5	0000		
023	156	1				Eaton	045	3	4040		
			024	5		Delta charter township				21520	
			057	3		Lansing, part				46000	
			999	9		Balance of county				99999	
024	000	2	999	9		Emmet	047	5	0000		
025	093	1				Genesee	049	2	2640		
			016	5		Burton				12060	
			121	6		Fenton				27760	
			034	3		Flint				29000	
			035	5		Flint township				29020	
			039	5		Grand Blanc township				33300	
			999	9		Balance of county				99999	
026	000	2	999	9		Gladwin	051	5	0000		
027	000	2	999	9		Gogebic	053	6	0000		
028	000	2				Grand Traverse	055	4	0000		
			098	6		Traverse City, part				80340	
			999	9		Balance of county				99999	
029	000	2	999	9		Gratiot	057	5	0000		
030	000	2	999	9		Hillsdale	059	5	0000		
031	000	2	999	9		Houghton	061	5	0000		
032	000	2	999	9		Huron	063	5	0000		
033	156	1				Ingham	065	2	4040		
			028	5		East Lansing, part				24120	
			057	3		Lansing, part				46000	
			063	5		Meridian charter township				53140	
			999	9		Balance of county				99999	
034	000	2				Ionia	067	4	0000		
			124	6		Ionia				40860	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MI				Michigan			MI				
	035	000	2	999	9	Iosco		069	5	0000	
	036	000	2	999	9	Iron		071	6	0000	
	037	000	2			Isabella		073	4	0000	
				068	5	Mount Pleasant				56020	
				999	9	Balance of county				99999	
	038	132	1			Jackson		075	3	3520	
				053	5	Jackson				41420	
				999	9	Balance of county				99999	
	039	143	1			Kalamazoo		077	3	3720	
				054	4	Kalamazoo				42160	
				055	6	Kalamazoo township				42180	
				079	5	Portage				65560	
				999	9	Balance of county				99999	
	040	000	2	999	9	Kalkaska		079	6	0000	
	041	112	1			Kent		081	1	3000	
				027	6	East Grand Rapids				23980	
				041	3	Grand Rapids				34000	
				042	6	Grandville				34160	
				056	5	Kentwood				42820	
				127	5	Plainfield township				64660	
				101	6	Walker				82960	
				109	4	Wyoming				88940	
				999	9	Balance of county				99999	
	042	000	2	999	9	Keweenaw		083	9	0000	
	043	000	2	999	9	Lake		085	6	0000	
	044	076	1	999	9	Lapeer		087	4	2160	
	045	000	2			Leelanau		089	6	0000	
				098	6	Traverse City, part				80340	
				999	9	Balance of county				99999	
	046	011	1			Lenawee		091	4	0440	
				001	6	Adrian				00440	
				999	9	Balance of county				99999	
	047	011	1	999	9	Livingston		093	3	0440	
	048	000	2	999	9	Luce		095	9	0000	
	049	000	2	999	9	Mackinac		097	6	0000	
	050	076	1			Macomb		099	1	2160	
				019	5	Chesterfield township				15340	
				021	4	Clinton township				16520	
				026	5	Eastpointe				24290	
				036	6	Fraser				30420	
				048	6	Harrison township				36820	
				125	4	Macomb township				50480	
				066	6	Mount Clemens				55820	
				086	5	Roseville				69800	
				090	4	St. Clair Shores				70760	
				092	4	Shelby charter township				72820	
				095	3	Sterling Heights				76460	
				102	3	Warren				84000	
				999	9	Balance of county				99999	
	051	000	2	999	9	Manistee		101	6	0000	
	052	000	2			Marquette		103	4	0000	
				061	6	Marquette				51900	
				999	9	Balance of county				99999	
	053	000	2	999	9	Mason		105	5	0000	
	054	000	2			Mecosta		107	5	0000	
				013	6	Big Rapids				08300	
				999	9	Balance of county				99999	
	055	000	2	999	9	Menominee		109	5	0000	
	056	240	1			Midland		111	4	6960	
				064	5	Midland, part				53780	
				999	9	Balance of county				99999	
	057	000	2	999	9	Missaukee		113	6	0000	
	058	076	1			Monroe		115	3	2160	
				117	5	Bedford township				06740	
				065	6	Monroe				55020	
				999	9	Balance of county				99999	
	059	000	2	999	9	Montcalm		117	4	0000	
	060	000	2	999	9	Montmorency		119	6	0000	
	061	112	1			Muskegon		121	3	3000	
				069	5	Muskegon				56320	
				070	6	Muskegon Heights				56360	
				073	6	Norton Shores				59140	
				999	9	Balance of county				99999	
	062	000	2	999	9	Newaygo		123	5	0000	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MI				Michigan	MI		
063	076	1		Oakland		125	0 2160
				Auburn Hills			04105
				Berkley			07660
				Beverly Hills village			08160
				Birmingham			08640
				Bloomfield township			09110
				Clawson			16160
				Farmington			27380
				Farmington Hills			27440
				Ferndale			27880
				Hazel Park			37420
				Independence township			40400
				Madison Heights			50560
				Novi			59440
				Oak Park			59920
				Pontiac			65440
				Rochester			69020
				Rochester Hills			69035
				Royal Oak			70040
				Southfield			74900
				South Lyon			75100
				Troy			80700
				Waterford township			84240
				West Bloomfield township			85480
				White Lake township			86860
				Wixom			88140
				Balance of county			99999
064	000	2	999	9 Oceana		127	5 0000
065	000	2	999	9 Ogemaw		129	6 0000
066	000	2	999	9 Ontonagon		131	9 0000
067	000	2	999	9 Osceola		133	6 0000
068	000	2	999	9 Oscoda		135	9 0000
069	000	2	999	9 Otsego		137	6 0000
070	112	1		Ottawa		139	3 3000
				038 5 Georgetown township			31880
				040 6 Grand Haven			33340
				051 5 Holland, part			38640
				122 5 Holland township			38660
				999 9 Balance of county			99999
071	000	2	999	9 Presque Isle		141	6 0000
072	000	2	999	9 Roscommon		143	5 0000
073	240	1		Saginaw		145	3 6960
				088 4 Saginaw			70520
				089 5 Saginaw charter township			70540
				999 9 Balance of county			99999
074	076	1		St. Clair		147	3 2160
				080 5 Port Huron			65820
				999 9 Balance of county			99999
075	000	2		St. Joseph		149	4 0000
				096 6 Sturgis			76960
				999 9 Balance of county			99999
076	000	2	999	9 Sanilac		151	5 0000
077	000	2	999	9 Schoolcraft		153	9 0000
078	000	2		Shiawassee		155	4 0000
				076 6 Owosso			61940
				999 9 Balance of county			99999
079	000	2	999	9 Tuscola		157	4 0000
080	143	1	999	9 Van Buren		159	4 3720
081	011	1		Washtenaw		161	2 0440
				005 3 Ann Arbor			03000
				126 5 Pittsfield charter township			64560
				110 6 Ypsilanti			89140
				111 5 Ypsilanti township			89160
				999 9 Balance of county			99999
082	076	1		Wayne		163	0 2160
				003 5 Allen Park			01380
				118 6 Brownstown township			11220
				018 4 Canton township			13120
				022 4 Dearborn			21000
				023 4 Dearborn Heights			21020
				025 1 Detroit			22000
				029 6 Ecorse			24740
				037 5 Garden City			31420
				132 6 Grosse Ile township			35420

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MI				Michigan			MI				
082				Wayne, con.			163	0	2160		
				044 6 Grosse Pointe Park						35540	
				045 6 Grosse Pointe Woods						35580	
				046 6 Hamtramck						36280	
				047 6 Harper Woods						36700	
				050 6 Highland Park						38180	
				052 5 Inkster						40680	
				058 5 Lincoln Park						47800	
				059 3 Livonia						49000	
				062 6 Melvindale						52940	
				072 6 Northville township						59000	
				077 5 Plymouth township						65080	
				081 4 Redford township						67625	
				083 6 Riverview						68880	
				085 6 Romulus						69420	
				094 5 Southgate						74960	
				097 4 Taylor						79000	
				099 6 Trenton						80420	
				104 6 Wayne						84940	
				106 4 Westland						86000	
				107 6 Woodhaven						88380	
				108 5 Wyandotte						88900	
				999 9 Balance of county						99999	
083	000	2		Wexford			165	5	0000		
				017 6 Cadillac						12320	
				999 9 Balance of county						99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MN						Minnesota	MN				
001	000	2	999	9		Aitkin	001	6	0000		
002	183	1				Anoka	003	2	5120		
			002	5		Andover				01486	
			003	6		Anoka				01720	
			007	5		Blaine, part				06382	
			017	6		Columbia Heights				12700	
			018	4		Coon Rapids				13114	
			084	6		East Bethel				17486	
			029	5		Fridley				22814	
			086	6		Ham Lake				26738	
			087	6		Lino Lakes				37322	
			055	6		Ramsey				53026	
			999	9		Balance of county				99999	
003	000	2	999	9		Becker	005	5	0000		
004	000	2				Beltrami	007	5	0000		
			006	6		Bemidji				05068	
			999	9		Balance of county				99999	
005	241	1				Benton	009	5	6980		
			061	4		St. Cloud, part				56896	
			090	6		Sauk Rapids				58684	
			999	9		Balance of county				99999	
006	000	2	999	9		Big Stone	011	9	0000		
007	000	2				Blue Earth	013	4	0000		
			037	5		Mankato, part				39878	
			049	6		North Mankato, part				47068	
			999	9		Balance of county				99999	
008	000	2				Brown	015	5	0000		
			047	6		New Ulm				46042	
			999	9		Balance of county				99999	
009	000	2				Carlton	017	5	0000		
			016	6		Cloquet				12160	
			999	9		Balance of county				99999	
010	183	1				Carver	019	4	5120		
			014	6		Chanhassen, part				10918	
			015	6		Chaska				10972	
			999	9		Balance of county				99999	
011	000	2	999	9		Cass	021	5	0000		
012	000	2	999	9		Chippewa	023	6	0000		
013	183	1	999	9		Chisago	025	5	5120		
014	090	1				Clay	027	4	2520		
			043	5		Moorhead				43864	
			999	9		Balance of county				99999	
015	000	2	999	9		Clearwater	029	9	0000		
016	000	2	999	9		Cook	031	9	0000		
017	000	2	999	9		Cottonwood	033	6	0000		
018	000	2				Crow Wing	035	4	0000		
			009	6		Brainerd				07300	
			999	9		Balance of county				99999	
019	183	1				Dakota	037	2	5120		
			004	5		Apple Valley				01900	
			012	4		Burnsville				08794	
			022	4		Eagan				17288	
			085	6		Farmington				20618	
			031	6		Hastings, part				27530	
			035	5		Inver Grove Heights				31076	
			036	5		Lakeville				35180	
			088	6		Mendota Heights				41696	
			048	6		Northfield, part				46924	
			089	6		Rosemount				55726	
			066	6		South St. Paul				61492	
			069	6		West St. Paul				69700	
			999	9		Balance of county				99999	
020	000	2	999	9		Dodge	039	6	0000		
021	000	2	999	9		Douglas	041	5	0000		
022	000	2	999	9		Faribault	043	6	0000		
023	000	2	999	9		Fillmore	045	6	0000		
024	000	2				Freeborn	047	5	0000		
			001	6		Albert Lea				00694	
			999	9		Balance of county				99999	
025	000	2				Goodhue	049	5	0000		
			056	6		Red Wing				53620	
			999	9		Balance of county				99999	
026	000	2	999	9		Grant	051	9	0000		
027	183	1				Hennepin	053	0	5120		
			008	4		Bloomington				06616	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MN				Minnesota	MN		
	027			Hennepin, con.		053	0 5120
		010	5	Brooklyn Center			07948
		011	4	Brooklyn Park			07966
		013	6	Champlin			10846
		014	6	Chanhassen, part			10918
		020	6	Crystal			14158
		023	4	Eden Prairie			18116
		024	5	Edina			18188
		030	6	Golden Valley			24308
		033	6	Hopkins			30140
		038	4	Maple Grove			40166
		041	2	Minneapolis			43000
		042	4	Minnetonka			43252
		046	6	New Hope			45628
		053	4	Plymouth			51730
		057	5	Richfield			54214
		058	6	Robbinsdale			54808
		062	5	St. Louis Park			57220
		999	9	Balance of county			99999
	028	150	1	999 9 Houston		055	6 3870
	029	000	2	999 9 Hubbard		057	6 0000
	030	183	1	999 9 Isanti		059	5 5120
	031	000	2	999 9 Itasca		061	5 0000
	032	000	2	999 9 Jackson		063	6 0000
	033	000	2	999 9 Kanabec		065	6 0000
	034	000	2	Kandiyohi		067	5 0000
			071	6 Willmar			70420
			999	9 Balance of county			99999
	035	000	2	999 9 Kittson		069	9 0000
	036	000	2	999 9 Koochiching		071	6 0000
	037	000	2	999 9 Lac qui Parle		073	9 0000
	038	000	2	999 9 Lake		075	6 0000
	039	000	2	999 9 Lake of the Woods		077	9 0000
	040	000	2	LeSueur		079	5 0000
			093	5 Mankato, part			39878
			999	9 Balance of county			99999
	041	000	2	999 9 Lincoln		081	9 0000
	042	000	2	Lyon		083	5 0000
			040	6 Marshall			40688
			999	9 Balance of county			99999
	043	000	2	McLeod		085	5 0000
			034	6 Hutchinson			30644
			999	9 Balance of county			99999
	044	000	2	999 9 Mahnomen		087	9 0000
	045	000	2	999 9 Marshall		089	6 0000
	046	000	2	Martin		091	6 0000
			026	6 Fairmont			20330
			999	9 Balance of county			99999
	047	000	2	999 9 Meeker		093	6 0000
	048	000	2	999 9 Mille Lacs		095	6 0000
	049	000	2	999 9 Morrison		097	5 0000
	050	000	2	Mower		099	5 0000
			005	6 Austin			02908
			999	9 Balance of county			99999
	051	000	2	999 9 Murray		101	9 0000
	052	000	2	Nicollet		103	5 0000
			037	5 Mankato, part			39878
			049	6 North Mankato, part			47068
			999	9 Balance of county			99999
	053	000	2	Nobles		105	6 0000
			092	6 Worthington			71734
			999	9 Balance of county			99999
	054	000	2	999 9 Norman		107	9 0000
	055	235	1	Olmsted		109	3 6820
			059	4 Rochester			54880
			999	9 Balance of county			99999
	056	000	2	Otter Tail		111	4 0000
			028	6 Fergus Falls			20906
			999	9 Balance of county			99999
	057	000	2	999 9 Pennington		113	6 0000
	058	000	2	999 9 Pine		115	5 0000
	059	000	2	999 9 Pipestone		117	9 0000
	060	111	1	999 9 Polk		119	5 2985
	061	000	2	999 9 Pope		121	6 0000

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MN				Minnesota	MN		
062	183	1		Ramsey	123	1	5120
				007 5 Blaine, part			06382
				039 5 Maplewood			40382
				044 6 Mounds View			44530
				045 6 New Brighton			45430
				050 6 North St. Paul			47221
				060 5 Roseville			55852
				063 2 St. Paul			58000
				065 5 Shoreview			59998
				068 6 Vadnais Heights			66460
				070 6 White Bear Lake, part			69970
				999 9 Balance of county			99999
063	000	2		Red Lake	125	9	0000
064	000	2		Redwood	127	6	0000
065	000	2		Renville	129	6	0000
066	000	2		Rice	131	4	0000
				027 6 Faribault			20546
				048 6 Northfield, part			46924
				999 9 Balance of county			99999
067	000	2		Rock	133	9	0000
068	000	2		Roseau	135	6	0000
069	080	1		St. Louis	137	3	2240
				021 4 Duluth			17000
				032 6 Hibbing			28790
				999 9 Balance of county			99999
070	183	1		Scott	139	4	5120
				054 6 Prior Lake			52594
				091 6 Savage			58738
				064 6 Shakopee			59350
				999 9 Balance of county			99999
071	183	1		Sherburne	141	4	5120
				025 6 Elk River			18674
				061 4 St. Cloud, part			56896
				999 9 Balance of county			99999
072	000	2		Sibley	143	6	0000
073	241	1		Stearns	145	3	6980
				061 4 St. Cloud, part			56896
				999 9 Balance of county			99999
074	000	2		Steele	147	5	0000
				052 6 Owatonna			49300
				999 9 Balance of county			99999
075	000	2		Stevens	149	6	0000
076	000	2		Swift	151	6	0000
077	000	2		Todd	153	6	0000
078	000	2		Traverse	155	9	0000
079	000	2		Wabasha	157	6	0000
080	000	2		Wadena	159	6	0000
081	000	2		Waseca	161	6	0000
082	183	1		Washington	163	3	5120
				019 5 Cottage Grove			13456
				031 6 Hastings, part			27530
				051 5 Oakdale			47680
				067 6 Stillwater			62824
				070 6 White Bear Lake, part			69970
				073 5 Woodbury			71428
				999 9 Balance of county			99999
083	000	2		Watonwan	165	6	0000
084	000	2		Wilkin	167	9	0000
085	000	2		Winona	169	5	0000
				072 5 Winona			71032
				999 9 Balance of county			99999
086	183	1		Wright	171	4	5120
				083 6 Buffalo			08452
				999 9 Balance of county			99999
087	000	2		Yellow Medicine	173	6	0000

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MS				Mississippi			MS				
001	000	2		Adams			001	5	0000		
			023	6	Natchez					50440	
			999	9	Balance of county					99999	
002	000	2		Alcorn			003	5	0000		
			009	6	Corinth					15700	
			999	9	Balance of county					99999	
003	000	2	999	9	Amite		005	6	0000		
004	000	2	999	9	Attala		007	6	0000		
005	000	2	999	9	Benton		009	9	0000		
006	000	2		Bolivar			011	5	0000		
			006	6	Cleveland					14260	
			999	9	Balance of county					99999	
007	000	2	999	9	Calhoun		013	6	0000		
008	000	2	999	9	Carroll		015	6	0000		
009	000	2	999	9	Chickasaw		017	6	0000		
010	000	2	999	9	Choctaw		019	9	0000		
011	000	2	999	9	Claiborne		021	6	0000		
012	000	2	999	9	Clarke		023	6	0000		
013	000	2		Clay			025	6	0000		
			041	6	West Point					79120	
			999	9	Balance of county					99999	
014	000	2		Coahoma			027	5	0000		
			005	6	Clarksdale					13820	
			999	9	Balance of county					99999	
015	000	2	999	9	Copiah		029	5	0000		
016	000	2	999	9	Covington		031	6	0000		
017	178	1		DeSoto			033	3	4920		
			038	6	Horn Lake					33700	
			040	6	Olive Branch					54040	
			030	5	Southaven					69280	
			999	9	Balance of county					99999	
018	123	1		Forrest			035	4	3285		
			015	5	Hattiesburg, part					31020	
			999	9	Balance of county					99999	
019	000	2	999	9	Franklin		037	9	0000		
020	000	2	999	9	George		039	6	0000		
021	000	2	999	9	Greene		041	6	0000		
022	000	2		Grenada			043	6	0000		
			013	6	Grenada					29460	
			999	9	Balance of county					99999	
023	030	1	999	9	Hancock		045	5	0920		
024	030	1		Harrison			047	3	0920		
			001	4	Biloxi					06220	
			014	4	Gulfport					29700	
			019	6	Long Beach					41680	
			999	9	Balance of county					99999	
025	133	1		Hinds			049	2	3560		
			007	6	Clinton					14420	
			017	3	Jackson, part					36000	
			999	9	Balance of county					99999	
026	000	2	999	9	Holmes		051	6	0000		
027	000	2	999	9	Humphreys		053	6	0000		
028	000	2	999	9	Issaquena		055	9	0000		
029	000	2	999	9	Itawamba		057	6	0000		
030	030	1		Jackson			059	3	0920		
			010	6	Gautier					26860	
			022	6	Moss Point					49240	
			024	6	Ocean Springs					53520	
			026	5	Pascagoula					55360	
			999	9	Balance of county					99999	
031	000	2	999	9	Jasper		061	6	0000		
032	000	2	999	9	Jefferson		063	9	0000		
033	000	2	999	9	Jefferson Davis		065	6	0000		
034	000	2		Jones			067	4	0000		
			018	6	Laurel					39640	
			999	9	Balance of county					99999	
035	000	2	999	9	Kemper		069	6	0000		
036	000	2		Lafayette			071	5	0000		
			025	6	Oxford					54840	
			999	9	Balance of county					99999	
037	123	1		Lamar			073	5	3285		
			015	5	Hattiesburg, part					31020	
			999	9	Balance of county					99999	
038	000	2		Lauderdale			075	4	0000		
			021	5	Meridian					46640	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MS				Mississippi			MS				
	038			Lauderdale, con.				075	4	0000	99999
				Balance of county							
039	000	2	999	9	Lawrence			077	6	0000	
040	000	2	999	9	Leake			079	6	0000	
041	000	2		Lee				081	4	0000	
				Tupelo							74840
				Balance of county							99999
042	000	2		Leflore				083	5	0000	
				Greenwood							29340
				Balance of county							99999
043	000	2	999	9	Lincoln			085	5	0000	
044	000	2		Lowndes				087	4	0000	
				Columbus							15380
				Balance of county							99999
045	133	1		Madison				089	4	3560	
				Canton							11100
				Jackson, part							36000
				Madison							44520
				Ridgeland							62520
				Balance of county							99999
046	000	2	999	9	Marion			091	5	0000	
047	000	2	999	9	Marshall			093	5	0000	
048	000	2	999	9	Monroe			095	5	0000	
049	000	2	999	9	Montgomery			097	6	0000	
050	000	2	999	9	Neshoba			099	5	0000	
051	000	2	999	9	Newton			101	6	0000	
052	000	2	999	9	Noxubee			103	6	0000	
053	000	2		Oktibbeha				105	5	0000	
				Starkville							70240
				Balance of county							99999
054	000	2	999	9	Panola			107	5	0000	
055	000	2		Pearl River				109	5	0000	
				Picayune							57160
				Balance of county							99999
056	000	2	999	9	Perry			111	6	0000	
057	000	2		Pike				113	5	0000	
				McComb							43280
				Balance of county							99999
058	000	2	999	9	Pontotoc			115	5	0000	
059	000	2	999	9	Prentiss			117	5	0000	
060	000	2	999	9	Quitman			119	6	0000	
061	133	1		Rankin				121	3	3560	
				Brandon							08300
				Jackson, part							36000
				Pearl							55760
				Balance of county							99999
062	000	2	999	9	Scott			123	5	0000	
063	000	2	999	9	Sharkey			125	9	0000	
064	000	2	999	9	Simpson			127	5	0000	
065	000	2	999	9	Smith			129	6	0000	
066	000	2	999	9	Stone			131	6	0000	
067	000	2		Sunflower				133	5	0000	
				Indianola							34740
				Balance of county							99999
068	000	2	999	9	Tallahatchie			135	6	0000	
069	000	2	999	9	Tate			137	5	0000	
070	000	2	999	9	Tippah			139	6	0000	
071	000	2	999	9	Tishomingo			141	6	0000	
072	000	2	999	9	Tunica			143	9	0000	
073	000	2	999	9	Union			145	5	0000	
074	000	2	999	9	Walthall			147	6	0000	
075	000	2		Warren				149	5	0000	
				Vicksburg							76720
				Balance of county							99999
076	000	2		Washington				151	4	0000	
				Greenville							29180
				Balance of county							99999
077	000	2	999	9	Wayne			153	6	0000	
078	000	2	999	9	Webster			155	6	0000	
079	000	2	999	9	Wilkinson			157	6	0000	
080	000	2	999	9	Winston			159	6	0000	
081	000	2	999	9	Yalobusha			161	6	0000	
082	000	2		Yazoo				163	5	0000	
				Yazoo City							81520

Vital Statistics Geographic Code Outline For The United States Page 63
Effective With 2004 Data.

Vital Statistics Codes				FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	P/MSA	Place	
MS				Mississippi		MS		
082				Yazoo, con.		163	5	0000
	999	9		Balance of county				99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MO				Missouri			MO				
001	000	2		Adair			001	6	0000		
			030	6		Kirksville				39026	
			999	9		Balance of county				99999	
002	242	1	999	9		Andrew	003	6	7000		
003	000	2	999	9		Atchison	005	9	0000		
004	000	2				Audrain	007	5	0000		
			037	6		Mexico			47648		
			999	9		Balance of county			99999		
005	000	2	999	9		Barry	009	5	0000		
006	000	2	999	9		Barton	011	6	0000		
007	000	2	999	9		Bates	013	6	0000		
008	000	2	999	9		Benton	015	6	0000		
009	000	2	999	9		Bollinger	017	6	0000		
010	061	1				Boone	019	3	1740		
			012	4		Columbia			15670		
			999	9		Balance of county			99999		
011	242	1				Buchanan	021	4	7000		
			047	4		St. Joseph			64550		
			999	9		Balance of county			99999		
012	000	2				Butler	023	5	0000		
			041	6		Poplar Bluff			59096		
			999	9		Balance of county			99999		
013	000	2	999	9		Caldwell	025	9	0000		
014	000	2				Callaway	027	5	0000		
			019	6		Fulton			26182		
			025	5		Jefferson City, part			37000		
			999	9		Balance of county			99999		
015	000	2	999	9		Camden	029	5	0000		
016	000	2				Cape Girardeau	031	4	0000		
			008	5		Cape Girardeau			11242		
			067	6		Jackson			35648		
			999	9		Balance of county			99999		
017	000	2	999	9		Carroll	033	6	0000		
018	000	2	999	9		Carter	035	9	0000		
019	145	1				Cass	037	4	3760		
			004	6		Belton			04384		
			028	2		Kansas City, part			38000		
			032	4		Lee's Summit, part			41348		
			073	6		Raymore			60752		
			999	9		Balance of county			99999		
020	000	2	999	9		Cedar	039	6	0000		
021	000	2	999	9		Chariton	041	9	0000		
022	270	1				Christian	043	4	7920		
			072	6		Nixa			52616		
			078	3		Springfield, part			70000		
			999	9		Balance of county			99999		
023	000	2	999	9		Clark	045	9	0000		
024	145	1				Clay	047	3	3760		
			015	6		Excelsior Springs, part			23086		
			020	5		Gladstone			27190		
			024	3		Independence, part			35000		
			028	2		Kansas City, part			38000		
			033	5		Liberty			42032		
			999	9		Balance of county			99999		
025	145	1	999	9		Clinton	049	6	3760		
026	000	2				Cole	051	4	0000		
			025	5		Jefferson City, part			37000		
			999	9		Balance of county			99999		
027	000	2	999	9		Cooper	053	6	0000		
028	000	2	999	9		Crawford	055	6	0000		
029	000	2	999	9		Dade	057	9	0000		
030	000	2	999	9		Dallas	059	6	0000		
031	000	2	999	9		Daviess	061	9	0000		
032	000	2	999	9		DeKalb	063	6	0000		
033	000	2	999	9		Dent	065	6	0000		
034	000	2	999	9		Douglas	067	6	0000		
035	000	2				Dunklin	069	5	0000		
			029	6		Kennett			38306		
			999	9		Balance of county			99999		
036	243	1				Franklin	071	4	7040		
			055	6		Washington			77416		
			999	9		Balance of county			99999		
037	000	2	999	9		Gasconade	073	6	0000		
038	000	2	999	9		Gentry	075	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MO				Missouri			MO				
039	270	1		Greene			077	3	7920		
				Springfield, part						70000	
				Balance of county						99999	
040	000	2	999	9		Grundy	079	6	0000		
041	000	2	999	9		Harrison	081	9	0000		
042	000	2	999	9		Henry	083	6	0000		
043	000	2	999	9		Hickory	085	9	0000		
044	000	2	999	9		Holt	087	9	0000		
045	000	2	999	9		Howard	089	6	0000		
046	000	2				Howell	091	5	0000		
						West Plains				78928	
						Balance of county				99999	
047	000	2	999	9		Iron	093	6	0000		
048	145	1				Jackson	095	1	3760		
						Blue Springs				06652	
						Grandview				28324	
						Independence, part				35000	
						Kansas City, part				38000	
						Lee's Summit, part				41348	
						Raytown				60788	
						Balance of county				99999	
049	142	1				Jasper	097	3	3710		
						Carthage				11656	
						Joplin, part				37592	
						Balance of county				99999	
050	243	1				Jefferson	099	3	7040		
						Arnold				01972	
						Balance of county				99999	
051	000	2				Johnson	101	5	0000		
						Warrensburg				77092	
						Balance of county				99999	
052	000	2	999	9		Knox	103	9	0000		
053	000	2				Laclede	105	5	0000		
						Lebanon				41168	
						Balance of county				99999	
054	145	1	999	9		Lafayette	107	5	3760		
055	000	2	999	9		Lawrence	109	5	0000		
056	000	2	999	9		Lewis	111	6	0000		
057	243	1	999	9		Lincoln	113	5	7040		
058	000	2	999	9		Linn	115	6	0000		
059	000	2	999	9		Livingston	117	6	0000		
060	000	2	999	9		McDonald	119	6	0000		
061	000	2	999	9		Macon	121	6	0000		
062	000	2	999	9		Madison	123	6	0000		
063	000	2	999	9		Maries	125	9	0000		
064	000	2				Marion	127	5	0000		
						Hannibal, part				30214	
						Balance of county				99999	
065	000	2	999	9		Mercer	129	9	0000		
066	000	2	999	9		Miller	131	6	0000		
067	000	2	999	9		Mississippi	133	6	0000		
068	000	2	999	9		Moniteau	135	6	0000		
069	000	2	999	9		Monroe	137	9	0000		
070	000	2	999	9		Montgomery	139	6	0000		
071	000	2	999	9		Morgan	141	6	0000		
072	000	2				New Madrid	143	6	0000		
						Sikeston, part				67790	
						Balance of county				99999	
073	142	1				Newton	145	4	3710		
						Joplin, part				37592	
						Neosho				51572	
						Balance of county				99999	
074	000	2				Nodaway	147	6	0000		
						Maryville				46640	
						Balance of county				99999	
075	000	2	999	9		Oregon	149	6	0000		
076	000	2	999	9		Osage	151	6	0000		
077	000	2	999	9		Ozark	153	9	0000		
078	000	2	999	9		Pemiscot	155	6	0000		
079	000	2	999	9		Perry	157	6	0000		
080	000	2				Pettis	159	5	0000		
						Sedalia				66440	
						Balance of county				99999	
081	000	2				Phelps	161	5	0000		
						Rolla				62912	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
MO				Missouri	MO		
	081			Phelps, con.	161	5	0000
			999	9 Balance of county			99999
082	000	2	999	9 Pike	163	6	0000
083	145	1		Platte	165	4	3760
			028	2 Kansas City, part			38000
			999	9 Balance of county			99999
084	000	2	999	9 Polk	167	5	0000
085	000	2	999	9 Pulaski	169	5	0000
086	000	2	999	9 Putnam	171	9	0000
087	000	2		Ralls	173	9	0000
			022	6 Hannibal, part			30214
			999	9 Balance of county			99999
088	000	2		Randolph	175	6	0000
			038	6 Moberly			49034
			999	9 Balance of county			99999
089	145	1		Ray	177	6	3760
			015	6 Excelsior Springs, part			23086
			999	9 Balance of county			99999
090	000	2	999	9 Reynolds	179	9	0000
091	000	2	999	9 Ripley	181	6	0000
092	243	1		St. Charles	183	2	7040
			068	6 Lake St. Louis			40043
			039	5 O'Fallon			54074
			046	4 St. Charles			64082
			049	4 St. Peters			65126
			999	9 Balance of county			99999
093	000	2	999	9 St. Clair	185	9	0000
094	000	2	999	9 Ste. Genevieve	186	6	0000
095	000	2		St. Francois	187	4	0000
			016	6 Farmington			23752
			070	6 Manchester			45668
			074	6 Town and Country			73618
			076	5 Wildwood			79820
			999	9 Balance of county			99999
096	243	1		St. Louis	189	0	7040
			002	5 Ballwin			03160
			003	6 Bellefontaine Neighbors			04222
			005	6 Berkeley			04906
			007	6 Bridgeton			08398
			010	5 Chesterfield			13600
			011	6 Clayton			14572
			013	6 Crestwood			17218
			014	6 Creve Coeur			17272
			017	6 Ferguson			23986
			018	4 Florissant			24778
			023	5 Hazelwood			31276
			026	6 Jennings			37178
			031	5 Kirkwood			39044
			035	5 Maryland Heights			46586
			040	6 Overland			55550
			045	6 St. Ann			63956
			053	5 University City			75220
			056	6 Webster Groves			78154
			999	9 Balance of county			99999
097	243	1	048	2 St. Louis city	510	2	7040
098	000	2		Saline	195	6	0000
			034	6 Marshall			46316
			999	9 Balance of county			99999
099	000	2	999	9 Schuyler	197	9	0000
100	000	2	999	9 Scotland	199	9	0000
101	000	2		Scott	201	5	0000
			008	5 Cape Girardeau, part			11242
			051	6 Sikeston, part			67790
			999	9 Balance of county			99999
102	000	2	999	9 Shannon	203	9	0000
103	000	2	999	9 Shelby	205	9	0000
104	000	2	999	9 Stoddard	207	5	0000
105	000	2	999	9 Stone	209	5	0000
106	000	2	999	9 Sullivan	211	9	0000
107	000	2	999	9 Taney	213	5	0000
108	000	2	999	9 Texas	215	6	0000
109	000	2	999	9 Vernon	217	6	0000
110	243	1	999	9 Warren	219	6	7040
111	000	2	999	9 Washington	221	6	0000

Vital Statistics Codes
St Cnty P/MSA M/NM City P/S Area Names

FIPS Codes
St Cnty P/S P/MSA Place

MO	Missouri					MO
112 000 2 999 9	Wayne	223	6	0000		
113 270 1 999 9	Webster	225	5	7920		
114 000 2 999 9	Worth	227	9	0000		
115 000 2 999 9	Wright	229	6	0000		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
MT						Montana	MT				
001	000	2	999	9		Beaverhead	001	9	0000		
002	000	2	999	9		Big Horn	003	6	0000		
003	000	2	999	9		Blaine	005	9	0000		
004	000	2	999	9		Broadwater	007	9	0000		
005	000	2	999	9		Carbon	009	9	0000		
006	000	2	999	9		Carter	011	9	0000		
007	113	1				Cascade	013	4	3040		
			005	4		Great Falls				32800	
			999	9		Balance of county				99999	
008	000	2	999	9		Chouteau	015	9	0000		
009	000	2	999	9		Custer	017	6	0000		
010	000	2	999	9		Daniels	019	9	0000		
011	000	2	999	9		Dawson	021	9	0000		
012	000	2	001	6		Deer Lodge, coext. with Anaconda-Deer Lo	023	9	0000	01675	
013	000	2	999	9		Fallon	025	9	0000		
014	000	2	999	9		Fergus	027	6	0000		
015	000	2				Flathead	029	4	0000		
			008	6		Kalispell				40075	
			999	9		Balance of county				99999	
016	000	2				Gallatin	031	4	0000		
			003	5		Bozeman				08950	
			999	9		Balance of county				99999	
017	000	2	999	9		Garfield	033	9	0000		
018	000	2	999	9		Glacier	035	6	0000		
019	000	2	999	9		Golden Valley	037	9	0000		
020	000	2	999	9		Granite	039	9	0000		
021	000	2	999	9		Hill	041	6	0000		
022	000	2	999	9		Jefferson	043	6	0000		
023	000	2	999	9		Judith Basin	045	9	0000		
024	000	2	999	9		Lake	047	5	0000		
025	000	2				Lewis and Clark	049	4	0000		
			007	5		Helena				35600	
			999	9		Balance of county				99999	
026	000	2	999	9		Liberty	051	9	0000		
027	000	2	999	9		Lincoln	053	6	0000		
028	000	2	999	9		McCone	055	9	0000		
029	000	2	999	9		Madison	057	9	0000		
030	000	2	999	9		Meagher	059	9	0000		
031	000	2	999	9		Mineral	061	9	0000		
032	000	2				Missoula	063	4	0000		
			009	4		Missoula				50200	
			999	9		Balance of county				99999	
033	000	2	999	9		Musselshell	065	9	0000		
034	000	2	999	9		Park	067	6	0000		
035	000	2	999	9		Petroleum	069	9	0000		
036	000	2	999	9		Phillips	071	9	0000		
037	000	2	999	9		Pondera	073	9	0000		
038	000	2	999	9		Powder River	075	9	0000		
039	000	2	999	9		Powell	077	9	0000		
040	000	2	999	9		Prairie	079	9	0000		
041	000	2	999	9		Ravalli	081	5	0000		
042	000	2	999	9		Richland	083	9	0000		
043	000	2	999	9		Roosevelt	085	6	0000		
044	000	2	999	9		Rosebud	087	9	0000		
045	000	2	999	9		Sanders	089	6	0000		
046	000	2	999	9		Sheridan	091	9	0000		
047	000	2				Silver Bow	093	5	0000		
			004	5		Butte-Silver Bow				11397	
			999	9		Balance of county				99999	
048	000	2	999	9		Stillwater	095	9	0000		
049	000	2	999	9		Sweet Grass	097	9	0000		
050	000	2	999	9		Teton	099	9	0000		
051	000	2	999	9		Toole	101	9	0000		
052	000	2	999	9		Treasure	103	9	0000		
053	000	2	999	9		Valley	105	9	0000		
054	000	2	999	9		Wheatland	107	9	0000		
055	000	2	999	9		Wibaux	109	9	0000		
056	029	1				Yellowstone	111	3	0880		
			002	4		Billings				06550	
			999	9		Balance of county				99999	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NE				Nebraska	NE		
001	000	2		Adams	001	5	0000
			006	6 Hastings			21415
			999	9 Balance of county			99999
002	000	2	999	9 Antelope	003	9	0000
003	000	2	999	9 Arthur	005	9	0000
004	000	2	999	9 Banner	007	9	0000
005	000	2	999	9 Blaine	009	9	0000
006	000	2	999	9 Boone	011	9	0000
007	000	2	999	9 Box Butte	013	6	0000
008	000	2	999	9 Boyd	015	9	0000
009	000	2	999	9 Brown	017	9	0000
010	000	2		Buffalo	019	5	0000
			007	5 Kearney			25055
			999	9 Balance of county			99999
011	000	2	999	9 Burt	021	9	0000
012	000	2	999	9 Butler	023	9	0000
013	206	1	999	9 Cass	025	6	5920
014	000	2	999	9 Cedar	027	9	0000
015	000	2	999	9 Chase	029	9	0000
016	000	2	999	9 Cherry	031	9	0000
017	000	2	999	9 Cheyenne	033	9	0000
018	000	2	999	9 Clay	035	9	0000
019	000	2	999	9 Colfax	037	6	0000
020	000	2	999	9 Cuming	039	6	0000
021	000	2	999	9 Custer	041	6	0000
022	265	1		Dakota	043	6	7720
			016	6 South Sioux City			46030
			999	9 Balance of county			99999
023	000	2	999	9 Dawes	045	9	0000
024	000	2		Dawson	047	6	0000
			015	6 Lexington			26910
			999	9 Balance of county			99999
025	000	2	999	9 Deuel	049	9	0000
026	000	2	999	9 Dixon	051	9	0000
027	000	2		Dodge	053	5	0000
			004	5 Fremont			17670
			999	9 Balance of county			99999
028	206	1		Douglas	055	2	5920
			011	2 Omaha			37000
			999	9 Balance of county			99999
029	000	2	999	9 Dundee	057	9	0000
030	000	2	999	9 Fillmore	059	9	0000
031	000	2	999	9 Franklin	061	9	0000
032	000	2	999	9 Frontier	063	9	0000
033	000	2	999	9 Furnas	065	9	0000
034	000	2		Gage	067	6	0000
			001	6 Beatrice			03390
			999	9 Balance of county			99999
035	000	2	999	9 Garden	069	9	0000
036	000	2	999	9 Garfield	071	9	0000
037	000	2	999	9 Gosper	073	9	0000
038	000	2	999	9 Grant	075	9	0000
039	000	2	999	9 Greeley	077	9	0000
040	000	2		Hall	079	4	0000
			005	5 Grand Island			19595
			999	9 Balance of county			99999
041	000	2	999	9 Hamilton	081	9	0000
042	000	2	999	9 Harlan	083	9	0000
043	000	2	999	9 Hayes	085	9	0000
044	000	2	999	9 Hitchcock	087	9	0000
045	000	2	999	9 Holt	089	6	0000
046	000	2	999	9 Hooker	091	9	0000
047	000	2	999	9 Howard	093	9	0000
048	000	2	999	9 Jefferson	095	9	0000
049	000	2	999	9 Johnson	097	9	0000
050	000	2	999	9 Kearney	099	9	0000
051	000	2	999	9 Keith	101	9	0000
052	000	2	999	9 Keya Paha	103	9	0000
053	000	2	999	9 Kimball	105	9	0000
054	000	2	999	9 Knox	107	9	0000
055	165	1		Lancaster	109	2	4360
			008	3 Lincoln			28000
			999	9 Balance of county			99999
056	000	2		Lincoln	111	5	0000
			010	6 North Platte			35000

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NE				Nebraska						NE	
	056					Lincoln, con.		111	5	0000	99999
						Balance of county					
057	000	2	999	9		Logan		113	9	0000	
058	000	2	999	9		Loup		115	9	0000	
059	000	2	999	9		McPherson		117	9	0000	
060	000	2				Madison		119	5	0000	
						Norfolk					34615
						Balance of county					99999
061	000	2	999	9		Merrick		121	9	0000	
062	000	2	999	9		Morrill		123	9	0000	
063	000	2	999	9		Nance		125	9	0000	
064	000	2	999	9		Nemaha		127	9	0000	
065	000	2	999	9		Nuckolls		129	9	0000	
066	000	2	999	9		Otoe		131	6	0000	
067	000	2	999	9		Pawnee		133	9	0000	
068	000	2	999	9		Perkins		135	9	0000	
069	000	2	999	9		Phelps		137	9	0000	
070	000	2	999	9		Pierce		139	9	0000	
071	000	2				Platte		141	5	0000	
						Columbus					10110
						Balance of county					99999
072	000	2	999	9		Polk		143	9	0000	
073	000	2	999	9		Red Willow		145	6	0000	
074	000	2	999	9		Richardson		147	9	0000	
075	000	2	999	9		Rock		149	9	0000	
076	000	2	999	9		Saline		151	6	0000	
077	206	1				Sarpy		153	3	5920	
						Bellevue					03950
						La Vista					26385
						Papillion					38295
						Balance of county					99999
078	000	2	999	9		Saunders		155	6	0000	
079	000	2				Scotts Bluff		157	5	0000	
						Scottsbluff					44245
						Balance of county					99999
080	000	2	999	9		Seward		159	6	0000	
081	000	2	999	9		Sheridan		161	9	0000	
082	000	2	999	9		Sherman		163	9	0000	
083	000	2	999	9		Sioux		165	9	0000	
084	000	2	999	9		Stanton		167	9	0000	
085	000	2	999	9		Thayer		169	9	0000	
086	000	2	999	9		Thomas		171	9	0000	
087	000	2	999	9		Thurston		173	9	0000	
088	000	2	999	9		Valley		175	9	0000	
089	206	1	999	9		Washington		177	6	5920	
090	000	2	999	9		Wayne		179	9	0000	
091	000	2	999	9		Webster		181	9	0000	
092	000	2	999	9		Wheeler		183	9	0000	
093	000	2	999	9		York		185	6	0000	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NV						Nevada	NV				
001	000	2	002	4		Carson City city	510	4	0000	09700	
002	000	2	999	9		Churchill	001	6	0000		
003	159	1				Clark	003	0	4120		
			001	6		Boulder City				06500	
			004	3		Henderson				31900	
			005	2		Las Vegas				40000	
			006	3		North Las Vegas				51800	
			999	9		Balance of county				99999	
004	000	2	999	9		Douglas	005	5	0000		
005	000	2				Elko	007	5	0000		
			003	6		Elko				22500	
			999	9		Balance of county				99999	
006	000	2	999	9		Esmeralda	009	9	0000		
007	000	2	999	9		Eureka	011	9	0000		
008	000	2	999	9		Humboldt	013	6	0000		
009	000	2	999	9		Lander	015	9	0000		
010	000	2	999	9		Lincoln	017	9	0000		
011	000	2	999	9		Lyon	019	5	0000		
012	000	2	999	9		Mineral	021	9	0000		
013	159	1	999	9		Nye	023	5	4120		
014	000	2	999	9		Pershing	027	9	0000		
015	000	2	999	9		Storey	029	9	0000		
016	230	1				Washoe	031	2	6720		
			007	3		Reno				60600	
			008	4		Sparks				68400	
			999	9		Balance of county				99999	
017	000	2	999	9		White Pine	033	9	0000		

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NH				New Hampshire	NH		
001	000	2		Belknap	001	4	0000
			006	6 Laconia			40180
			999	9 Balance of county			99999
002	000	2	999	9 Carroll	003	5	0000
003	000	2		Cheshire	005	4	0000
			005	6 Keene			39300
			999	9 Balance of county			99999
004	000	2		Coos	007	5	0000
			001	6 Berlin			05140
			999	9 Balance of county			99999
005	000	2		Grafton	009	4	0000
			007	6 Lebanon			41300
			999	9 Balance of county			99999
006	037	1		Hillsborough	011	2	1123
			008	3 Manchester			45140
			016	5 Merrimack town			47540
			009	4 Nashua			50260
			999	9 Balance of county			99999
007	000	2		Merrimack	013	3	0000
			003	5 Concord			14200
			999	9 Balance of county			99999
008	037	1		Rockingham	015	2	1123
			014	5 Derry town			17940
			015	6 Hampton town			33060
			010	6 Portsmouth			62900
			012	5 Salem town			66660
			999	9 Balance of county			99999
009	037	1		Strafford	017	3	1123
			004	5 Dover			18820
			011	5 Rochester			65140
			013	6 Somersworth			69940
			999	9 Balance of county			99999
010	000	2		Sullivan	019	5	0000
			002	6 Claremont			12900
			999	9 Balance of county			99999

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NJ				New Jersey	NJ		
001	017	1		Atlantic	001	2	0560
				003 5 Atlantic City			02080
				014 6 Brigantine			07810
				188 5 Egg Harbor township			20290
				191 5 Galloway township			25560
				057 6 Hammonton			29430
				130 6 Pleasantville			59640
				148 6 Somers Point			68430
				163 6 Ventnor City			75620
				999 9 Balance of county			99999
002	028	1		Bergen	003	1	0875
				007 5 Bergenfield borough			05170
				022 6 Cliffside Park borough			13570
				031 6 Dumont borough			18400
				038 6 Elmwood Park borough			21300
				039 5 Englewood			21480
				042 5 Fair Lawn borough			22470
				043 6 Fairview borough			22560
				045 5 Fort Lee borough			24420
				189 6 Franklin Lakes borough			24990
				048 5 Garfield			25770
				050 6 Glen Rock borough			26640
				053 5 Hackensack			28680
				060 6 Hasbrouck Heights borough			30420
				194 6 Hillsdale borough			31920
				196 6 Little Ferry borough			40680
				081 6 Lodi borough			41100
				083 6 Lyndhurst township			42090
				106 6 New Milford borough			51660
				108 6 North Arlington borough			52320
				113 6 Oakland borough			53850
				117 6 Palisades Park borough			55770
				118 5 Paramus borough			55950
				135 6 Ramsey borough			61680
				201 6 Ridgefield borough			62910
				137 6 Ridgefield Park village			62940
				138 6 Ridgewood village			63000
				140 6 River Edge borough			63360
				143 6 Rutherford borough			65280
				144 6 Saddle Brook township			65340
				156 5 Teaneck township			72360
				157 6 Tenafly borough			72420
				167 6 Wallington borough			76490
				175 6 Westwood borough			80270
				180 6 Wyckoff township			83050
				999 9 Balance of county			99999
003	214	1		Burlington	005	2	6160
				184 6 Burlington township			08950
				019 6 Cinnaminson township			12940
				026 6 Delran township			17440
				040 5 Evesham township			22110
				044 6 Florence township			23850
				088 6 Maple Shade township			43740
				098 6 Moorestown township			47880
				101 6 Mount Holly township			48900
				102 5 Mount Laurel township			49020
				122 5 Pemberton township			57510
				176 5 Willingboro township			81440
				999 9 Balance of county			99999
004	214	1		Camden	007	1	6160
				006 6 Bellmawr borough			04750
				015 4 Camden			10000
				018 4 Cherry Hill township			12280
				024 6 Collingswood borough			14260
				052 4 Gloucester township			26760
				051 6 Gloucester City			26820
				055 6 Haddon township			28740
				054 6 Haddonfield borough			28770
				078 6 Lindenwold borough			40440
				123 5 Pennsauken township			57660
				198 6 Pine Hill borough			58770
				166 5 Voorhees township			76220
				177 5 Winslow township			81740
				999 9 Balance of county			99999

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NJ				New Jersey	NJ		
005	017	1		Cape May	009	3	0560
				114 6 Ocean City			54360
				999 9 Balance of county			99999
006	293	1		Cumberland	011	3	8760
				012 6 Bridgeton			07600
				095 5 Millville			46680
				165 4 Vineland			76070
				999 9 Balance of county			99999
007	198	1		Essex	013	1	5640
				005 5 Belleville township			04695
				010 5 Bloomfield township			06260
				017 6 Cedar Grove township			11200
				186 5 City of Orange township			13045
				033 4 East Orange			19390
				069 4 Irvington township			34450
				080 5 Livingston township			40890
				089 6 Maplewood township			43800
				094 6 Millburn township			46380
				097 5 Montclair township			47500
				104 2 Newark			51000
				112 5 Nutley township			53680
				151 6 South Orange Village township			69274
				164 6 Verona township			75815
				205 6 West Caldwell township			78510
				207 5 West Orange township			79800
				999 9 Balance of county			99999
				999 9 Balance of county			99999
008	214	1		Gloucester	015	2	6160
				028 5 Deptford township			17710
				049 6 Glassboro borough			26340
				096 5 Monroe township			47250
				168 5 Washington township			77180
				171 6 West Deptford township			78800
				179 6 Woodbury			82120
				999 9 Balance of county			99999
009	139	1		Hudson	017	1	3640
				004 4 Bayonne			03580
				192 6 Guttenberg			28650
				059 6 Harrison			30210
				066 5 Hoboken			32250
				071 3 Jersey City			36000
				073 5 Kearny			36510
				109 4 North Bergen township			52470
				147 6 Secaucus			66570
				161 4 Union City			74630
				170 6 Weehawken township			77930
				173 5 West New York			79610
				999 9 Balance of county			99999
010	181	1		Hunterdon	019	3	5015
011	284	1		Mercer	021	2	8480
				034 6 East Windsor township			19780
				041 5 Ewing township			22185
				056 4 Hamilton township			29310
				075 5 Lawrence township			39510
				133 6 Princeton borough			60900
				199 6 Princeton township			60915
				160 4 Trenton			74000
				999 9 Balance of county			99999
012	181	1		Middlesex	023	1	5015
				016 6 Carteret borough			10750
				032 5 East Brunswick township			19000
				036 4 Edison township			20230
				063 6 Highland Park borough			31470
				091 6 Metuchen borough			45690
				092 6 Middlesex borough			45900
				208 5 Monroe township			47280
				105 5 New Brunswick			51210
				110 5 North Brunswick township			52560
				116 4 Old Bridge township			54705
				125 5 Perth Amboy			58200
				127 4 Piscataway township			59010
				129 6 Plainsboro township			59280
				145 5 Sayreville borough			65790
				150 5 South Brunswick township			68790

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NJ				New Jersey	NJ		
	012			Middlesex, con.		023	1 5015
		152	6	South Plainfield borough			69390
		153	6	South River borough			69420
		178	4	Woodbridge township			82000
		999	9	Balance of county			99999
013	186	1		Monmouth		025	1 5190
		001	6	Aberdeen township			00070
		002	6	Asbury Park			01960
		035	6	Eatontown borough			19840
		047	6	Freehold borough			25200
		190	5	Freehold township			25230
		062	6	Hazlet township			30690
		068	5	Howell township			33300
		072	6	Keansburg borough			36480
		082	5	Long Branch			41310
		085	5	Manalapan township			42990
		090	5	Marlboro township			44070
		093	4	Middletown township			45990
		103	5	Neptune township			49890
		115	5	Ocean township			54270
		136	6	Red Bank borough			62430
		158	6	Tinton Falls borough			73020
		203	5	Wall township			76460
		999	9	Balance of county			99999
014	198	1		Morris		027	2 5640
		185	6	Chatham township			12130
		027	6	Denville township			17650
		029	6	Dover			18070
		187	6	East Hanover township			19210
		058	6	Hanover township			29550
		076	6	Lincoln Park borough			40290
		084	6	Madison borough			42510
		197	6	Montville township			47670
		100	6	Morris township			48090
		099	6	Morristown			48300
		119	4	Parsippany-Troy Hills township			56460
		124	6	Pequannock township			58110
		200	6	Randolph township			61890
		202	6	Roxbury township			64980
		999	9	Balance of county			99999
015	186	1		Ocean		029	1 5190
		181	6	Beachwood borough			04180
		009	5	Berkeley township			05305
		011	4	Brick township			07420
		030	4	Dover township			18130
		070	5	Jackson township			34680
		195	5	Lacey township			37380
		074	4	Lakewood township			38550
		086	5	Manchester township			43140
		131	6	Point Pleasant borough			59880
		999	9	Balance of county			99999
016	028	1		Passaic		031	2 0875
		023	4	Clifton			13690
		061	6	Hawthorne borough			30570
		079	6	Little Falls township			40620
		120	4	Passaic			56550
		121	3	Paterson			57000
		132	6	Pompton Lakes borough			60090
		139	6	Ringwood borough			63150
		204	6	Wanaque borough			76730
		169	4	Wayne township			77840
		206	5	West Milford township			79460
		174	6	West Paterson borough			79820
		999	9	Balance of county			99999
017	214	1	999	Salem		033	4 6160
018	181	1	999	Somerset		035	2 5015
		182	6	Bernards township			05560
		183	6	Bound Brook borough			06790
		013	5	Bridgewater township			07720
		046	4	Franklin township			24900
		064	5	Hillsborough township			31890
		087	6	Manville borough			43620
		111	6	North Plainfield borough			53280
		149	6	Somerville borough			68460

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NJ				New Jersey	NJ		
018				Somerset, con.	035	2	5015
				Balance of county			99999
019	198	1		Sussex	037	3	5640
				Hopatcong borough			32910
				Balance of county			99999
020	198	1		Union	039	1	5640
				008 6 Berkeley Heights township			05320
				021 6 Clark township			13150
				025 6 Cranford township			15640
				037 3 Elizabeth			21000
				065 6 Hillside township			31980
				077 5 Linden			40350
				107 6 New Providence borough			51810
				128 5 Plainfield			59190
				134 5 Rahway			61530
				141 6 Roselle borough			64620
				142 6 Roselle Park borough			64650
				146 6 Scotch Plains township			66060
				154 6 Springfield township			70020
				155 6 Summit			71430
				162 4 Union township			74480
				172 5 Westfield			79040
				999 9 Balance of county			99999
021	198	1		Warren	041	3	5640
				193 6 Hackettstown			28710
				126 6 Phillipsburg			58350
				999 9 Balance of county			99999

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NM				New Mexico			NM				
001	005	1		Bernalillo			001	1	0200		
			002	2		Albuquerque				02000	
			019	4		Rio Rancho, part				63460	
			999	9		Balance of county				99999	
002	000	2	999	9		Catron	003	9	0000		
003	000	2				Chaves	005	4	0000		
			014	5		Roswell				64930	
			999	9		Balance of county				99999	
004	000	2	999	9		Cibola	006	5	0000		
005	000	2	999	9		Colfax	007	6	0000		
006	000	2				Curry	009	5	0000		
			005	5		Clovis				16420	
			999	9		Balance of county				99999	
007	000	2	999	9		De Baca	011	9	0000		
008	158	1				Dona Ana	013	3	4100		
			010	4		Las Cruces				39380	
			018	6		Sunland Park				75640	
			999	9		Balance of county				99999	
009	000	2				Eddy	015	4	0000		
			003	6		Artesia				05220	
			004	5		Carlsbad				12150	
			999	9		Balance of county				99999	
010	000	2				Grant	017	5	0000		
			016	6		Silver City				73260	
			999	9		Balance of county				99999	
011	000	2	999	9		Guadalupe	019	9	0000		
012	000	2	999	9		Harding	021	9	0000		
013	000	2	999	9		Hidalgo	023	9	0000		
014	000	2				Lea	025	4	0000		
			009	5		Hobbs				32520	
			999	9		Balance of county				99999	
015	000	2	999	9		Lincoln	027	6	0000		
016	255	1	999	9		Los Alamos	028	6	7490		
017	000	2				Luna	029	5	0000		
			006	6		Deming				20270	
			999	9		Balance of county				99999	
018	000	2				McKinley	031	4	0000		
			008	6		Gallup				28460	
			999	9		Balance of county				99999	
019	000	2	999	9		Mora	033	9	0000		
020	000	2				Otero	035	4	0000		
			001	5		Alamogordo				01780	
			999	9		Balance of county				99999	
021	000	2	999	9		Quay	037	6	0000		
022	000	2	999	9		Rio Arriba	039	5	0000		
023	000	2				Roosevelt	041	6	0000		
			012	6		Portales				59260	
			999	9		Balance of county				99999	
024	005	1				Sandoval	043	4	0200		
			013	4		Rio Rancho, part				63460	
			999	9		Balance of county				99999	
025	000	2				San Juan	045	3	0000		
			007	5		Farmington				25800	
			999	9		Balance of county				99999	
026	000	2				San Miguel	047	5	0000		
			011	6		Las Vegas				39940	
			999	9		Balance of county				99999	
027	255	1				Santa Fe	049	3	7490		
			015	4		Santa Fe				70500	
			999	9		Balance of county				99999	
028	000	2	999	9		Sierra	051	6	0000		
029	000	2	999	9		Socorro	053	6	0000		
030	000	2	999	9		Taos	055	5	0000		
031	000	2	999	9		Torrance	057	6	0000		
032	000	2	999	9		Union	059	9	0000		
033	005	1				Valencia	061	4	0200		
			017	6		Los Lunas village				43370	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NY				New York			NY				
	001	004	1	Albany				001	2	0160	
				001 4	Albany						01000
				007 5	Bethlehem town						06354
				017 6	Cohoes						16749
				097 6	Watervliet						78674
				999 9	Balance of county						99999
	002	000	2	Allegany				003	5	0000	
	003	031	1	Broome				007	3	0960	
				008 5	Binghamton						06607
				024 6	Endicott village						24515
				043 6	Johnson City village						38748
				095 5	Vestal town						77255
				999 9	Balance of county						99999
	004	000	2	Cattaraugus				009	4	0000	
				065 6	Olean						54716
				999 9	Balance of county						99999
	005	276	1	Cayuga				011	4	8160	
				003 5	Auburn						03078
				999 9	Balance of county						99999
	006	137	1	Chautauqua				013	3	3610	
				021 6	Dunkirk						21105
				026 6	Fredonia village						27419
				042 5	Jamestown						38264
				999 9	Balance of county						99999
	007	085	1	Chemung				015	4	2335	
				023 5	Elmira						24229
				999 9	Balance of county						99999
	008	000	2	Chenango				017	4	0000	
	009	000	2	Clinton				019	4	0000	
				073 6	Plattsburgh						58574
				999 9	Balance of county						99999
	010	000	2	Columbia				021	4	0000	
	011	000	2	Cortland				023	5	0000	
				019 6	Cortland						18388
				999 9	Balance of county						99999
	012	000	2	Delaware				025	5	0000	
	013	081	1	Dutchess				027	2	2281	
				006 6	Beacon						05100
				106 5	East Fishkill town						21996
				076 5	Poughkeepsie						59641
				999 9	Balance of county						99999
	014	043	1	Erie				029	1	1280	
				012 2	Buffalo						11000
				104 5	Clarence town						15825
				020 6	Depew village						20313
				036 6	Hamburg village						31643
				044 6	Kenmore village						39232
				046 6	Lackawanna						40189
				047 6	Lancaster village						41135
				091 6	Tonawanda						74166
				099 5	West Seneca town						80918
				999 9	Balance of county						99999
	015	000	2	Essex				031	5	0000	
	016	000	2	Franklin				033	4	0000	
	017	000	2	Fulton				035	4	0000	
				034 6	Gloversville						29443
				999 9	Balance of county						99999
	018	236	1	Genesee				037	4	6840	
				005 6	Batavia						04715
				999 9	Balance of county						99999
	019	000	2	Greene				039	5	0000	
	020	000	2	Hamilton				041	9	0000	
	021	289	1	Herkimer				043	4	8680	
	022	000	2	Jefferson				045	3	0000	
				096 5	Watertown						78608
				999 9	Balance of county						99999
	023	000	2	Lewis				049	5	0000	
	024	236	1	Livingston				051	4	6840	
	025	276	1	Madison				053	4	8160	
				066 6	Oneida						54837
				999 9	Balance of county						99999
	026	236	1	Monroe				055	1	6840	
				009 5	Brighton town						08246
				015 5	Chili town						15462

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
NY				New York	NY		
	026			Monroe, con.		055	1 6840
		030	5	Gates town			28442
		035	4	Greece town			30290
		039	5	Henrietta town			34099
		040	4	Irondequoit town			37726
		072	5	Penfield town			57144
		078	3	Rochester			63000
		999	9	Balance of county			99999
027	004	1		Montgomery		057	5 0160
		002	6	Amsterdam			02066
		999	9	Balance of county			99999
028	193	1		Nassau		059	0 5380
		022	6	East Rockaway village			22876
		025	6	Floral Park village			26264
		027	5	Freeport village			27485
		029	6	Garden City village			28178
		032	5	Glen Cove			29113
		038	4	Hempstead village			33139
		050	5	Long Beach			43335
		051	6	Lynbrook village			43874
		054	6	Massapequa Park village			45997
		057	6	Mineola village			47636
		079	6	Rockville Centre village			63264
		094	5	Valley Stream village			76705
		098	6	Westbury village			79444
		999	9	Balance of county			99999
029	197	1		New York city			5600 51000
		087	0	Staten Island borough, Richmond county	085	2	
		077	0	Queens borough, Queens county	081	0	
		053	0	Manhattan borough, New York county	061	0	
		011	0	Brooklyn borough, Kings county	047	0	
		010	0	Bronx borough, Bronx county	005	0	
030	043	1		Niagara		063	3 1280
		049	6	Lockport			43082
		061	4	Niagara Falls			51055
		063	5	North Tonawanda			53682
		999	9	Balance of county			99999
031	289	1		Oneida		065	3 8680
		080	5	Rome			63418
		093	4	Utica			76540
		999	9	Balance of county			99999
032	276	1		Onondaga		067	2 8160
		089	3	Syracuse			73000
		999	9	Balance of county			99999
033	236	1		Ontario		069	3 6840
		013	6	Canandaigua			12144
		031	6	Geneva, part			28640
		999	9	Balance of county			99999
034	199	1		Orange		071	2 5660
		108	6	Kiryas Joel village			39853
		056	5	Middletown			47042
		059	5	Newburgh			50034
		110	5	Newburgh town			50045
		999	9	Balance of county			99999
035	236	1	999	Orleans		073	5 6840
036	276	1	999	Oswego		075	3 8160
		028	6	Fulton			27815
		069	6	Oswego			55574
		999	9	Balance of county			99999
037	000	2		Otsego		077	4 0000
		067	6	Oneonta			54881
		999	9	Balance of county			99999
038	197	1		Putnam		079	4 5600
		014	5	Carmel town			12529
		999	9	Balance of county			99999
039	004	1		Rensselaer		083	3 0160
		092	5	Troy			75484
		999	9	Balance of county			99999
040	197	1		Rockland		087	2 5600
		107	6	Haverstraw village			32754
		086	5	Spring Valley village			70420
		088	6	Suffern village			71894
		111	6	West Haverstraw village			80203
		999	9	Balance of county			99999

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NY				New York			NY				
	041	000	2	St. Lawrence				089	3	0000	
				055 6		Massena village					46019
				064 6		Ogdensburg					54485
				999 9		Balance of county					99999
	042	004	1	Saratoga				091	3	0160	
				016 5		Clifton Park town					16353
				083 5		Saratoga Springs					65255
				999 9		Balance of county					99999
	043	004	1	Schenectady				093	3	0160	
				062 6		Niskayuna town					51264
				081 5		Rotterdam town					63935
				085 4		Schenectady					65508
				999 9		Balance of county					99999
	044	004	1	Schoharie				095	5	0160	
	045	000	2	Schuylerville				097	6	0000	
	046	000	2	Seneca				099	5	0000	
				031 6		Geneva, part					28640
				999 9		Balance of county					99999
	047	000	2	Steuben				101	4	0000	
				018 6		Corning					18256
				999 9		Balance of county					99999
	048	193	1	Suffolk				103	0	5380	
				004 6		Babylon village					03408
				109 6		Lake Grove village					40530
				048 5		Lindenhurst village					42554
				070 6		Patchogue village					56660
				113 5		Riverhead town					61984
				999 9		Balance of county					99999
	049	000	2	Sullivan				105	4	0000	
	050	031	1	Tioga				107	4	0960	
	051	000	2	Tompkins				109	4	0000	
				041 5		Ithaca					38077
				999 9		Balance of county					99999
	052	000	2	Ulster				111	3	0000	
				045 6		Kingston					39727
				999 9		Balance of county					99999
	053	109	1	Warren				113	4	2975	
				033 6		Glens Falls					29333
				112 5		Queensbury town					60356
				999 9		Balance of county					99999
	054	109	1	Washington				115	4	2975	
	055	236	1	Wayne				117	4	6840	
	056	197	1	Westchester				119	1	5600	
				105 6		Dobbs Ferry village					20698
				037 6		Harrison village					32402
				052 6		Mamaroneck village					44831
				058 4		Mount Vernon					49121
				060 4		New Rochelle					50617
				068 6		Ossining village					55530
				071 6		Peekskill					56979
				074 5		Port Chester village					59223
				082 6		Rye					64309
				084 6		Scarsdale village					65431
				090 6		Tarrytown village					73176
				100 4		White Plains					81677
				101 3		Yonkers					84000
				102 5		Yorktown town					84077
				999 9		Balance of county					99999
	057	000	2	Wyoming				121	5	0000	
	058	000	2	Yates				123	6	0000	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NC				North Carolina			NC				
001	116	1		Alamance			001	3	3120		
				005	5	Burlington				09060	
				018	6	Graham				27280	
				999	9	Balance of county				99999	
002	124	1		Alexander			003	5	3290		
003	000	2		Alleghany			005	6	0000		
004	000	2		Anson			007	5	0000		
005	000	2		Ashe			009	6	0000		
006	000	2		Avery			011	6	0000		
007	000	2		Beaufort			013	5	0000		
008	000	2		Bertie			015	6	0000		
009	000	2		Bladen			017	5	0000		
010	305	1		Brunswick			019	4	9200		
011	014	1		Buncombe			021	3	0480		
				003	4	Asheville				02140	
				999	9	Balance of county				99999	
012	124	1		Burke			023	4	3290		
				023	5	Hickory, part				31060	
				036	6	Morganton				44400	
				999	9	Balance of county				99999	
013	051	1		Cabarrus			025	3	1520		
				010	4	Concord				14100	
				026	5	Kannapolis, part				35200	
				999	9	Balance of county				99999	
014	124	1		Caldwell			027	4	3290		
				075	5	Hickory, part				31060	
				030	6	Lenoir				37760	
				999	9	Balance of county				99999	
015	000	2		Camden			029	9	0000		
				013	6	Elizabeth City, part				20580	
				999	9	Balance of county				99999	
016	000	2		Carteret			031	4	0000		
017	000	2		Caswell			033	6	0000		
018	124	1		Catawba			035	3	3290		
				023	5	Hickory, part				31060	
				069	6	Newton				47000	
				999	9	Balance of county				99999	
019	226	1		Chatham			037	5	6640		
				073	4	Cary, part				10740	
				999	9	Balance of county				99999	
020	000	2		Cherokee			039	6	0000		
021	000	2		Chowan			041	6	0000		
022	000	2		Clay			043	9	0000		
023	000	2		Cleveland			045	4	0000		
				044	6	Shelby				61200	
				999	9	Balance of county				99999	
024	000	2		Columbus			047	4	0000		
025	000	2		Craven			049	4	0000		
				021	6	Havelock				30120	
				037	6	New Bern				46340	
				999	9	Balance of county				99999	
026	091	1		Cumberland			051	2	2560		
				014	3	Fayetteville				22920	
				065	6	Hope Mills				32640	
				999	9	Balance of county				99999	
027	200	1		Currituck			053	6	5720		
028	000	2		Dare			055	5	0000		
029	116	1		Davidson			057	3	3120		
				024	4	High Point, part				31400	
				031	6	Lexington				38060	
				047	6	Thomasville, part				67420	
				999	9	Balance of county				99999	
030	116	1		Davie			059	5	3120		
031	000	2		Duplin			061	5	0000		
032	226	1		Durham			063	3	6640		
				008	5	Chapel Hill, part				11800	
				011	3	Durham, part				19000	
				076	2	Raleigh, part				55000	
				999	9	Balance of county				99999	
033	238	1		Edgecombe			065	4	6895		
				041	4	Rocky Mount, part				57500	
				046	6	Tarboro				66700	
				999	9	Balance of county				99999	
034	116	1		Forsyth			067	2	3120		
				062	6	Clemmons village				12960	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NC						North Carolina	NC				
	034					Forsyth, con.		067	2	3120	
		024	4			High Point, part				31400	
		027	6			Kernersville, part				35600	
		050	3			Winston-Salem				75000	
		999	9			Balance of county				99999	
035	226	1	999	9		Franklin		069	5	6640	
036	051	1				Gaston		071	3	1520	
		016	4			Gastonia				25580	
		999	9			Balance of county				99999	
037	000	2	999	9		Gates		073	6	0000	
038	000	2	999	9		Graham		075	9	0000	
039	000	2	999	9		Granville		077	5	0000	
040	000	2	999	9		Greene		079	6	0000	
041	116	1				Guilford		081	2	3120	
		019	3			Greensboro				28000	
		024	4			High Point, part				31400	
		027	6			Kernersville, part				35600	
		999	9			Balance of county				99999	
042	000	2				Halifax		083	4	0000	
		040	6			Roanoke Rapids				56900	
		999	9			Balance of county				99999	
043	000	2	999	9		Harnett		085	4	0000	
044	000	2	999	9		Haywood		087	4	0000	
045	000	2				Henderson		089	4	0000	
		064	6			Hendersonville				30720	
		999	9			Balance of county				99999	
046	000	2	999	9		Hertford		091	6	0000	
047	000	2	999	9		Hoke		093	5	0000	
048	000	2	999	9		Hyde		095	9	0000	
049	000	2				Iredell		097	3	0000	
		068	6			Mooresville				44220	
		045	6			Statesville				64740	
		999	9			Balance of county				99999	
050	000	2	999	9		Jackson		099	5	0000	
051	226	1				Johnston		101	3	6640	
		070	6			Smithfield				62520	
		999	9			Balance of county				99999	
052	000	2	999	9		Jones		103	6	0000	
053	000	2				Lee		105	5	0000	
		043	6			Sanford				59280	
		999	9			Balance of county				99999	
054	000	2				Lenoir		107	4	0000	
		028	6			Kinston				35920	
		999	9			Balance of county				99999	
055	051	1	999	9		Lincoln		109	4	1520	
056	000	2	999	9		McDowell		111	5	0000	
057	000	2	999	9		Macon		113	5	0000	
058	014	1	999	9		Madison		115	6	0480	
059	000	2	999	9		Martin		117	5	0000	
060	051	1				Mecklenburg		119	1	1520	
		009	1			Charlotte				12000	
		063	6			Cornelius				14700	
		066	6			Huntersville				33120	
		033	6			Matthews				41960	
		034	6			Mint Hill				43480	
		999	9			Balance of county				99999	
061	000	2	999	9		Mitchell		121	6	0000	
062	000	2	999	9		Montgomery		123	5	0000	
063	000	2				Moore		125	4	0000	
		071	6			Southern Pines				63120	
		999	9			Balance of county				99999	
064	238	1				Nash		127	4	6895	
		041	4			Rocky Mount, part				57500	
		999	9			Balance of county				99999	
065	305	1				New Hanover		129	3	9200	
		048	4			Wilmington				74440	
		999	9			Balance of county				99999	
066	000	2	999	9		Northhampton		131	6	0000	
067	136	1				Onslow		133	3	3605	
		025	4			Jacksonville				34200	
		999	9			Balance of county				99999	
068	226	1				Orange		135	3	6640	
		006	6			Carrboro				10620	
		008	5			Chapel Hill, part				11800	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
NC						North Carolina	NC				
	068					Orange, con.		135	3	6640	
				011	3	Durham, part				19000	
				999	9	Balance of county				99999	
	069	000	2	999	9	Pamlico		137	6	0000	
	070	000	2			Pasquotank		139	5	0000	
				013	6	Elizabeth City, part				20580	
				999	9	Balance of county				99999	
	071	000	2	999	9	Pender		141	5	0000	
	072	000	2	999	9	Perquimans		143	6	0000	
	073	000	2	999	9	Person		145	5	0000	
	074	117	1			Pitt		147	3	3150	
				020	4	Greenville				28080	
				999	9	Balance of county				99999	
	075	000	2	999	9	Polk		149	6	0000	
	076	116	1			Randolph		151	3	3120	
				002	6	Asheboro				02080	
				024	4	High Point, part				31400	
				077	6	Thomasville, part				67420	
				999	9	Balance of county				99999	
	077	000	2	999	9	Richmond		153	5	0000	
	078	000	2			Robeson		155	3	0000	
				032	6	Lumberton				39700	
				999	9	Balance of county				99999	
	079	000	2			Rockingham		157	4	0000	
				012	6	Eden				20080	
				039	6	Reidsville				55900	
				999	9	Balance of county				99999	
	080	051	1			Rowan		159	3	1520	
				026	5	Kannapolis, part				35200	
				042	5	Salisbury				58860	
				999	9	Balance of county				99999	
	081	000	2	999	9	Rutherford		161	4	0000	
	082	000	2	999	9	Sampson		163	4	0000	
	083	000	2			Scotland		165	5	0000	
				029	6	Laurinburg				37220	
				999	9	Balance of county				99999	
	084	000	2			Stanly		167	4	0000	
				001	6	Albemarle				00680	
				999	9	Balance of county				99999	
	085	116	1	999	9	Stokes		169	5	3120	
	086	000	2	999	9	Surry		171	4	0000	
	087	000	2	999	9	Swain		173	6	0000	
	088	000	2	999	9	Transylvania		175	5	0000	
	089	000	2	999	9	Tyrrell		177	9	0000	
	090	051	1			Union		179	3	1520	
				067	6	Indian Trail				33560	
				035	5	Monroe				43920	
				999	9	Balance of county				99999	
	091	000	2			Vance		181	5	0000	
				022	6	Henderson				30660	
				999	9	Balance of county				99999	
	092	226	1			Wake		183	1	6640	
				061	6	Apex				01520	
				007	4	Cary, part				10740	
				074	3	Durham, part				19000	
				015	6	Garner				25480	
				038	2	Raleigh, part				55000	
				072	6	Wake Forest				70540	
				999	9	Balance of county				99999	
	093	000	2	999	9	Warren		185	6	0000	
	094	000	2	999	9	Washington		187	6	0000	
	095	000	2			Watauga		189	5	0000	
				004	6	Boone				07080	
				999	9	Balance of county				99999	
	096	110	1			Wayne		191	3	2980	
				017	5	Goldsboro				26880	
				999	9	Balance of county				99999	
	097	000	2	999	9	Wilkes		193	4	0000	
	098	000	2			Wilson		195	4	0000	
				049	5	Wilson				74540	
				999	9	Balance of county				99999	
	099	116	1	999	9	Yadkin		197	5	3120	
	100	000	2	999	9	Yancey		199	6	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
ND						North Dakota	ND				
001	000	2	999	9		Adams	001	9	0000		
002	000	2	999	9		Barnes	003	6	0000		
003	000	2	999	9		Benson	005	9	0000		
004	000	2	999	9		Billings	007	9	0000		
005	000	2	999	9		Bottineau	009	9	0000		
006	000	2	999	9		Bowman	011	9	0000		
007	000	2	999	9		Burke	013	9	0000		
008	033	1				Burleigh	015	4	1010		
			001	4		Bismarck				07200	
			999	9		Balance of county				99999	
009	090	1				Cass	017	3	2520		
			003	4		Fargo				25700	
			008	6		West Fargo				84780	
			999	9		Balance of county				99999	
010	000	2	999	9		Cavalier	019	9	0000		
011	000	2	999	9		Dickey	021	9	0000		
012	000	2	999	9		Divide	023	9	0000		
013	000	2	999	9		Dunn	025	9	0000		
014	000	2	999	9		Eddy	027	9	0000		
015	000	2	999	9		Emmons	029	9	0000		
016	000	2	999	9		Foster	031	9	0000		
017	000	2	999	9		Golden Valley	033	9	0000		
018	111	1				Grand Forks	035	4	2985		
			004	5		Grand Forks				32060	
			999	9		Balance of county				99999	
019	000	2	999	9		Grant	037	9	0000		
020	000	2	999	9		Griggs	039	9	0000		
021	000	2	999	9		Hettinger	041	9	0000		
022	000	2	999	9		Kidder	043	9	0000		
023	000	2	999	9		LaMoure	045	9	0000		
024	000	2	999	9		Logan	047	9	0000		
025	000	2	999	9		McHenry	049	9	0000		
026	000	2	999	9		McIntosh	051	9	0000		
027	000	2	999	9		McKenzie	053	9	0000		
028	000	2	999	9		McLean	055	9	0000		
029	000	2	999	9		Mercer	057	9	0000		
030	033	1				Morton	059	5	1010		
			006	6		Mandan				49900	
			999	9		Balance of county				99999	
031	000	2	999	9		Mountrail	061	9	0000		
032	000	2	999	9		Nelson	063	9	0000		
033	000	2	999	9		Oliver	065	9	0000		
034	000	2	999	9		Pembina	067	9	0000		
035	000	2	999	9		Pierce	069	9	0000		
036	000	2	999	9		Ramsey	071	6	0000		
037	000	2	999	9		Ransom	073	9	0000		
038	000	2	999	9		Renville	075	9	0000		
039	000	2	999	9		Richland	077	6	0000		
040	000	2	999	9		Rolette	079	6	0000		
041	000	2	999	9		Sargent	081	9	0000		
042	000	2	999	9		Sheridan	083	9	0000		
043	000	2	999	9		Sioux	085	9	0000		
044	000	2	999	9		Slope	087	9	0000		
045	000	2				Stark	089	6	0000		
			002	6		Dickinson				19620	
			999	9		Balance of county				99999	
046	000	2	999	9		Steele	091	9	0000		
047	000	2				Stutsman	093	6	0000		
			005	6		Jamestown				40580	
			999	9		Balance of county				99999	
048	000	2	999	9		Towner	095	9	0000		
049	000	2	999	9		Traill	097	9	0000		
050	000	2	999	9		Walsh	099	6	0000		
051	000	2				Ward	101	4	0000		
			007	5		Minot				53380	
			999	9		Balance of county				99999	
052	000	2	999	9		Wells	103	9	0000		
053	000	2				Williams	105	6	0000		
			009	6		Williston				86220	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OH						Ohio	OH				
001	000	2	999	9		Adams	001	5	0000		
002	164	1				Allen	003	3	4320		
			072	5		Lima				43554	
			999	9		Balance of county				99999	
003	000	2				Ashland	005	4	0000		
			004	6		Ashland				02568	
			999	9		Balance of county				99999	
004	059	1				Ashtabula	007	3	1680		
			005	6		Ashtabula				02638	
			035	6		Conneaut				18350	
			999	9		Balance of county				99999	
005	000	2				Athens	009	4	0000		
			006	6		Athens				02736	
			999	9		Balance of county				99999	
006	164	1	999	9		Auglaize	011	5	4320		
007	300	1	999	9		Belmont	013	4	9000		
008	057	1	999	9		Brown	015	5	1640		
009	120	1				Butler	017	2	3200		
			050	5		Fairfield, part				25970	
			063	4		Hamilton				33012	
			088	4		Middletown, part				49840	
			102	6		Oxford				59234	
			117	6		Sharonville, part				71892	
			999	9		Balance of county				99999	
010	045	1	999	9		Carroll	019	5	1320		
011	000	2				Champaign	021	5	0000		
			134	6		Urbana				79072	
			999	9		Balance of county				99999	
012	070	1				Clark	023	3	2000		
			122	4		Springfield				74118	
			999	9		Balance of county				99999	
013	057	1				Clermont	025	3	1640		
			189	6		Loveland, part				45108	
			999	9		Balance of county				99999	
014	000	2				Clinton	027	5	0000		
			149	6		Wilmington				85792	
			999	9		Balance of county				99999	
015	309	1				Columbiana	029	3	9320		
			045	6		East Liverpool				23730	
			113	6		Salem				69834	
			999	9		Balance of county				99999	
016	000	2				Coshocton	031	5	0000		
			036	6		Coshocton				18868	
			999	9		Balance of county				99999	
017	174	1				Crawford	033	5	4800		
			024	6		Bucyrus				10030	
			058	6		Galion				29162	
			999	9		Balance of county				99999	
018	059	1				Cuyahoga	035	0	1680		
			009	6		Bay Village				04416	
			010	6		Beachwood				04500	
			012	6		Bedford				04878	
			013	6		Bedford Heights				04920	
			015	6		Berea				05690	
			019	6		Brecksville				08364	
			020	6		Broadview Heights				09064	
			021	6		Brooklyn				09246	
			022	6		Brook Park				09288	
			032	2		Cleveland				16000	
			033	5		Cleveland Heights				16014	
			043	5		East Cleveland				23380	
			048	4		Euclid				25704	
			051	6		Fairview Park				26446	
			059	5		Garfield Heights				29428	
			069	4		Lakewood				41664	
			075	6		Lyndhurst				45556	
			077	5		Maple Heights				47306	
			083	6		Mayfield Heights				48482	
			087	6		Middleburg Heights				49644	
			095	5		North Olmsted				56882	
			097	5		North Royalton				57008	
			104	4		Parma				61000	
			105	6		Parma Heights				61028	
			179	6		Richmond Heights				66894	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
OH				Ohio	OH		
	018			Cuyahoga, con.		035	0 1680
		112	6	Rocky River			68056
		115	6	Seven Hills			71416
		116	5	Shaker Heights			71682
		119	6	Solon			72928
		120	6	South Euclid			73264
		125	5	Strongsville			75098
		132	6	University Heights			78932
		140	6	Warrensville Heights			80990
		144	5	Westlake			83622
		999	9	Balance of county			99999
	019	000	2	Darke		037	4 0000
		061	6	Greenville			32340
		999	9	Balance of county			99999
	020	000	2	Defiance		039	5 0000
		039	6	Defiance			21308
		999	9	Balance of county			99999
	021	064	1	Delaware		041	3 1840
		186	1	Columbus, part			18000
		040	5	Delaware			21434
		042	5	Dublin, part			22694
		143	5	Westerville, part			83342
		999	9	Balance of county			99999
	022	000	2	Erie		043	4 0000
		114	5	Sandusky			70380
		137	6	Vermilion, part			79716
		999	9	Balance of county			99999
	023	064	1	Fairfield		045	3 1840
		034	1	Columbus, part			18000
		070	5	Lancaster			41720
		111	5	Reynoldsburg, part			66390
		999	9	Balance of county			99999
	024	000	2	Fayette		047	5 0000
		141	6	Washington			81214
		999	9	Balance of county			99999
	025	064	1	Franklin		049	0 1840
		016	6	Bexley			06278
		034	1	Columbus, part			18000
		042	5	Dublin, part			22694
		057	5	Gahanna			29106
		062	5	Grove City			32592
		064	6	Hilliard			35476
		111	5	Reynoldsburg, part			66390
		133	5	Upper Arlington			79002
		143	5	Westerville, part			83342
		145	6	Whitehall			84742
		151	6	Worthington			86604
		999	9	Balance of county			99999
	026	282	1	Fulton		051	5 8400
	027	000	2	Gallia		053	5 0000
	028	059	1	Geauga		055	4 1680
	029	070	1	Greene		057	3 2000
		011	5	Beavercreek			04720
		049	5	Fairborn			25914
		188	4	Kettering, part			40040
		152	6	Xenia			86772
		999	9	Balance of county			99999
	030	000	2	Guernsey		059	5 0000
		025	6	Cambridge			10996
		999	9	Balance of county			99999
	031	057	1	Hamilton		061	1 1640
		017	6	Blue Ash			07300
		030	2	Cincinnati			15000
		187	5	Fairfield, part			25970
		053	6	Forest Park			27706
		074	6	Loveland, part			45108
		177	6	Montgomery			51716
		094	6	North College Hill			56322
		100	6	Norwood			57386
		110	6	Reading			65732
		117	6	Sharonville, part			71892
		121	6	Springdale			74104
		999	9	Balance of county			99999
	032	000	2	Hancock		063	4 0000
		052	5	Findlay			27048

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OH						Ohio	OH				
	032					Hancock, con.		063	4	0000	
				054	6	Fostoria, part					28014
				999	9	Balance of county					99999
	033	000	2	999	9	Hardin		065	5	0000	
	034	000	2	999	9	Harrison		067	6	0000	
	035	000	2	999	9	Henry		069	5	0000	
	036	000	2	999	9	Highland		071	5	0000	
	037	000	2	999	9	Hocking		073	5	0000	
	038	000	2	999	9	Holmes		075	5	0000	
	039	000	2			Huron		077	4	0000	
				099	6	Norwalk					57302
				999	9	Balance of county					99999
	040	000	2	999	9	Jackson		079	5	0000	
	041	273	1			Jefferson		081	4	8080	
				123	6	Steubenville					74608
				999	9	Balance of county					99999
	042	000	2			Knox		083	4	0000	
				089	6	Mount Vernon					53102
				999	9	Balance of county					99999
	043	059	1			Lake		085	3	1680	
				044	6	Eastlake					23618
				085	4	Mentor					49056
				103	6	Painesville					59416
				146	6	Wickliffe					85036
				147	6	Willoughby					85484
				148	6	Willowick					85638
				999	9	Balance of county					99999
	044	128	1			Lawrence		087	4	3400	
				066	6	Ironton					37464
				999	9	Balance of county					99999
	045	064	1			Licking		089	3	1840	
				090	5	Newark					54040
				178	6	Pataskala village					61112
				111	5	Reynoldsburg, part					66390
				999	9	Balance of county					99999
	046	000	2			Logan		091	5	0000	
				014	6	Bellefontaine					05130
				999	9	Balance of county					99999
	047	059	1			Lorain		093	2	1680	
				003	6	Amherst					01798
				171	6	Avon					03352
				007	6	Avon Lake					03464
				046	4	Elyria					25256
				073	4	Lorain					44856
				096	6	North Ridgeville					56966
				137	6	Vermilion, part					79716
				999	9	Balance of county					99999
	048	282	1			Lucas		095	2	8400	
				082	6	Maumee					48342
				101	6	Oregon					58730
				127	6	Sylvania					76022
				130	2	Toledo					77000
				999	9	Balance of county					99999
	049	064	1	999	9	Madison		097	5	1840	
	050	309	1			Mahoning		099	2	9320	
				002	6	Alliance, part					01420
				126	6	Struthers					75126
				153	4	Youngstown, part					88000
				999	9	Balance of county					99999
	051	000	2			Marion		101	4	0000	
				079	5	Marion					47754
				999	9	Balance of county					99999
	052	059	1			Medina		103	3	1680	
				023	5	Brunswick					09680
				084	5	Medina					48790
				138	6	Wadsworth					80304
				999	9	Balance of county					99999
	053	000	2	999	9	Meigs		105	6	0000	
	054	000	2			Mercer		107	5	0000	
				172	6	Celina					12868
				999	9	Balance of county					99999
	055	070	1			Miami		109	4	2000	
				065	5	Huber Heights, part					36610
				107	6	Piqua					62848

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
OH				Ohio	OH		
	055			Miami, con.	109	4	2000
		131	6	Troy			77588
		999	9	Balance of county			99999
	056	000	2	999 9 Monroe	111	6	0000
	057	070	1	Montgomery	113	1	2000
		028	6	Centerville			13190
		173	6	Clayton village			15644
		038	3	Dayton			21000
		047	6	Englewood			25396
		065	5	Huber Heights, part			36610
		068	4	Kettering, part			40040
		086	6	Miamisburg			49434
		180	6	Riverside village			67468
		185	6	Springboro, part			74076
		183	5	Trotwood			77504
		135	6	Vandalia			79492
		142	6	West Carrollton City			83111
		999	9	Balance of county			99999
	058	000	2	999 9 Morgan	115	6	0000
	059	000	2	Morrow	117	5	0000
	060	000	2	Muskingum	119	4	0000
		154	5	Zanesville			88084
		999	9	Balance of county			99999
	061	000	2	999 9 Noble	121	6	0000
	062	000	2	Ottawa	123	5	0000
	063	000	2	Paulding	125	6	0000
	064	000	2	999 9 Perry	127	5	0000
	065	064	1	Pickaway	129	4	1840
		031	6	Circleville			15070
		999	9	Balance of county			99999
	066	000	2	999 9 Pike	131	5	0000
	067	002	1	Portage	133	3	0080
		170	6	Aurora			03086
		067	5	Kent			39872
		109	6	Ravenna			65592
		182	6	Streetsboro			75014
		191	6	Tallmadge, part			76106
		999	9	Balance of county			99999
	068	000	2	999 9 Preble	135	5	0000
	069	000	2	Putnam	137	5	0000
	070	174	1	Richland	139	3	4800
		076	5	Mansfield			47138
		999	9	Balance of county			99999
	071	000	2	Ross	141	4	0000
		029	6	Chillicothe			14184
		999	9	Balance of county			99999
	072	000	2	Sandusky	143	4	0000
		056	6	Fremont			28826
		999	9	Balance of county			99999
	073	000	2	Scioto	145	4	0000
		108	6	Portsmouth			64304
		999	9	Balance of county			99999
	074	000	2	Seneca	147	4	0000
		054	6	Fostoria, part			28014
		129	6	Tiffin			76778
		999	9	Balance of county			99999
	075	000	2	Shelby	149	5	0000
		118	6	Sidney			72424
		999	9	Balance of county			99999
	076	045	1	Stark	151	2	1320
		002	6	Alliance, part			01420
		027	4	Canton			12000
		081	5	Massillon			48244
		093	6	North Canton			56294
		999	9	Balance of county			99999
	077	002	1	Summit	153	1	0080
		001	3	Akron			01000
		008	5	Barberton			03828
		037	5	Cuyahoga Falls			19778
		174	6	Green			31860
		175	6	Hudson			36651
		098	6	Norton, part			57260
		124	5	Stow			74944
		128	6	Tallmadge, part			76106

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OH						Ohio	OH				
	077					Summit, con.		153	1	0080	
				184	6	Twinsburg				78050	
				999	9	Balance of county				99999	
	078	309	1			Trumbull		155	3	9320	
				060	6	Girard				30198	
				092	6	Niles				55916	
				139	5	Warren				80892	
				153	4	Youngstown, part				88000	
				999	9	Balance of county				99999	
	079	000	2			Tuscarawas		157	4	0000	
				041	6	Dover				22456	
				091	6	New Philadelphia				55216	
				999	9	Balance of county				99999	
	080	000	2			Union		159	5	0000	
				042	5	Dublin, part				22694	
				176	6	Marysville				48160	
				999	9	Balance of county				99999	
	081	000	2			Van Wert		161	5	0000	
				136	6	Van Wert				79562	
				999	9	Balance of county				99999	
	082	000	2	999	9	Vinton		163	6	0000	
	083	057	1			Warren		165	3	1640	
				055	6	Franklin				28476	
				071	6	Lebanon				42364	
				190	6	Loveland, part				45108	
				080	6	Mason				48188	
				088	4	Middletown, part				49840	
				181	6	Springboro, part				74076	
				999	9	Balance of county				99999	
	084	211	1			Washington		167	4	6020	
				078	6	Marietta				47628	
				999	9	Balance of county				99999	
	085	000	2			Wayne		169	3	0000	
				098	6	Norton, part				57260	
				150	6	Wooster				86548	
				999	9	Balance of county				99999	
	086	000	2	999	9	Williams		171	5	0000	
	087	282	1			Wood		173	3	8400	
				018	5	Bowling Green				07972	
				054	6	Fostoria, part				28014	
				106	6	Perrysburg				62148	
				999	9	Balance of county				99999	
	088	000	2	999	9	Wyandot		175	6	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OK				Oklahoma			OK				
001	000	2	999	9		Adair	001	6	0000		
002	000	2	999	9		Alfalfa	003	9	0000		
003	000	2	999	9		Atoka	005	6	0000		
004	000	2	999	9		Beaver	007	9	0000		
005	000	2				Beckham	009	6	0000		
			013	6		Elk City				23500	
			999	9		Balance of county				99999	
006	000	2	999	9		Blaine	011	6	0000		
007	000	2				Bryan	013	5	0000		
			011	6		Durant				22050	
			999	9		Balance of county				99999	
008	000	2	999	9		Caddo	015	5	0000		
009	204	1				Canadian	017	4	5880		
			014	6		El Reno				23700	
			023	6		Mustang				50100	
			025	1		Oklahoma City, part				55000	
			038	6		Yukon				82950	
			999	9		Balance of county				99999	
010	000	2				Carter	019	5	0000		
			003	6		Ardmore				02600	
			999	9		Balance of county				99999	
011	000	2				Cherokee	021	5	0000		
			033	6		Tahlequah				72100	
			999	9		Balance of county				99999	
012	000	2	999	9		Choctaw	023	6	0000		
013	000	2	999	9		Cimarron	025	9	0000		
014	204	1				Cleveland	027	3	5880		
			021	5		Moore				49200	
			024	4		Norman				52500	
			025	1		Oklahoma City, part				55000	
			999	9		Balance of county				99999	
015	000	2	999	9		Coal	029	9	0000		
016	161	1				Comanche	031	3	4200		
			017	4		Lawton				41850	
			999	9		Balance of county				99999	
017	000	2	999	9		Cotton	033	9	0000		
018	000	2	999	9		Craig	035	6	0000		
019	286	1				Creek	037	4	8560		
			030	6		Sapulpa				65400	
			999	9		Balance of county				99999	
020	000	2	999	9		Custer	039	5	0000		
021	000	2	999	9		Delaware	041	5	0000		
022	000	2	999	9		Dewey	043	9	0000		
023	000	2	999	9		Ellis	045	9	0000		
024	086	1				Garfield	047	4	2340		
			015	5		Enid				23950	
			999	9		Balance of county				99999	
025	000	2	999	9		Garvin	049	5	0000		
026	000	2				Grady	051	5	0000		
			007	6		Chickasha				13950	
			999	9		Balance of county				99999	
027	000	2	999	9		Grant	053	9	0000		
028	000	2	999	9		Greer	055	9	0000		
029	000	2	999	9		Harmon	057	9	0000		
030	000	2	999	9		Harper	059	9	0000		
031	000	2	999	9		Haskell	061	6	0000		
032	000	2	999	9		Hughes	063	6	0000		
033	000	2				Jackson	065	5	0000		
			002	6		Altus				01700	
			999	9		Balance of county				99999	
034	000	2	999	9		Jefferson	067	9	0000		
035	000	2	999	9		Johnston	069	6	0000		
036	000	2				Kay	071	5	0000		
			028	5		Ponca City, part				59850	
			999	9		Balance of county				99999	
037	000	2	999	9		Kingfisher	073	6	0000		
038	000	2	999	9		Kiowa	075	6	0000		
039	000	2	999	9		Latimer	077	6	0000		
040	000	2	999	9		Le Flore	079	5	0000		
041	000	2	999	9		Lincoln	081	5	0000		
042	204	1	999	9		Logan	083	5	5880		
043	000	2	999	9		Love	085	9	0000		
044	204	1	999	9		McClain	087	5	5880		
			999	9		Oklahoma City, part				99999	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OK				Oklahoma			OK				
	045	000	2	999	9	McCurtain		089	5	0000	
	046	000	2	999	9	McIntosh		091	6	0000	
	047	000	2	999	9	Major		093	9	0000	
	048	000	2	999	9	Marshall		095	6	0000	
	049	000	2	999	9	Mayes		097	5	0000	
	050	000	2	999	9	Murray		099	6	0000	
	051	000	2			Muskogee		101	4	0000	
				022	5	Muskogee				50050	
				999	9	Balance of county				99999	
	052	000	2	999	9	Noble		103	6	0000	
	053	000	2	999	9	Nowata		105	6	0000	
	054	000	2	999	9	Okfuskee		107	6	0000	
	055	204	1			Oklahoma		109	1	5880	
				005	6	Bethany				05700	
				009	6	Del City				19900	
				012	4	Edmond				23200	
				020	4	Midwest City				48350	
				025	1	Oklahoma City, part				55000	
				034	6	The Village				73250	
				999	9	Balance of county				99999	
	056	000	2			Okmulgee		111	5	0000	
				026	6	Okmulgee				55150	
				999	9	Balance of county				99999	
	057	286	1			Osage		113	5	8560	
				004	5	Bartlesville, part				04450	
				053	5	Ponca City, part				59850	
				029	6	Sand Springs, part				65300	
				035	2	Tulsa, part				75000	
				999	9	Balance of county				99999	
	058	000	2			Ottawa		115	5	0000	
				019	6	Miami				48000	
				999	9	Balance of county				99999	
	059	000	2	999	9	Pawnee		117	6	0000	
	060	000	2			Payne		119	4	0000	
				032	5	Stillwater				70300	
				999	9	Balance of county				99999	
	061	000	2			Pittsburg		121	5	0000	
				018	6	McAlester				44800	
				999	9	Balance of county				99999	
	062	000	2			Pontotoc		123	5	0000	
				001	6	Ada				00200	
				999	9	Balance of county				99999	
	063	204	1			Pottawatomie		125	4	5880	
				025	1	Oklahoma City, part				55000	
				031	5	Shawnee				66800	
				999	9	Balance of county				99999	
	064	000	2	999	9	Pushmataha		127	6	0000	
	065	000	2	999	9	Roger Mills		129	9	0000	
	066	286	1			Rogers		131	4	8560	
				008	6	Claremore				14700	
				052	6	Owasso, part				56650	
				035	2	Tulsa, part				75000	
				999	9	Balance of county				99999	
	067	000	2	999	9	Seminole		133	6	0000	
	068	100	1	999	9	Sequoyah		135	5	2720	
	069	000	2			Stephens		137	5	0000	
				010	6	Duncan				21900	
				999	9	Balance of county				99999	
	070	000	2			Texas		139	6	0000	
				050	6	Guymon				31750	
				999	9	Balance of county				99999	
	071	000	2	999	9	Tillman		141	9	0000	
	072	286	1			Tulsa		143	1	8560	
				049	6	Bixby, part				06400	
				006	4	Broken Arrow, part				09050	
				027	6	Owasso, part				56650	
				029	6	Sand Springs, part				65300	
				035	2	Tulsa, part				75000	
				035	2	Tulsa, part				75000	
				999	9	Balance of county				99999	
	073	286	1			Wagoner		145	4	8560	
				051	6	Bixby, part				06400	
				006	4	Broken Arrow, part				09050	
				999	9	Balance of county				99999	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
OK				Oklahoma	OK		
074	000	2		Washington	147	5	0000
			004	5 Bartlesville, part			04450
			999	9 Balance of county			99999
075	000	2	999	9 Washita	149	6	0000
076	000	2	999	9 Woods	151	9	0000
077	000	2		Woodward	153	6	0000
			037	6 Woodward			82150
			999	9 Balance of county			99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
OR				Oregon			OR				
001	000	2	999	9		Baker	001	6	0000		
002	000	2				Benton	003	4	0000		
			001	5		Albany, part				01000	
			008	5		Corvallis				15800	
			999	9		Balance of county				99999	
003	220	1				Clackamas	005	2	6440		
			043	6		Canby				10750	
			011	6		Gladstone				29000	
			019	5		Lake Oswego, part				40550	
			023	6		Milwaukie, part				48650	
			025	5		Oregon City				55200	
			027	1		Portland, part				59000	
			032	6		Tualatin, part				74950	
			033	6		West Linn				80150	
			051	6		Wilsonville, part				82800	
			999	9		Balance of county				99999	
004	000	2	999	9		Clatsop	007	5	0000		
005	220	1				Columbia	009	5	6440		
			048	6		St. Helens				64600	
			999	9		Balance of county				99999	
006	000	2				Coos	011	4	0000		
			007	6		Coos Bay				15250	
			999	9		Balance of county				99999	
007	000	2	999	9		Crook	013	6	0000		
008	000	2	999	9		Curry	015	6	0000		
009	000	2				Deschutes	017	3	0000		
			005	4		Bend				05800	
			047	6		Redmond				61200	
			999	9		Balance of county				99999	
010	000	2				Douglas	019	3	0000		
			028	6		Roseburg				63650	
			999	9		Balance of county				99999	
011	000	2	999	9		Gilliam	021	9	0000		
012	000	2	999	9		Grant	023	9	0000		
013	000	2	999	9		Harney	025	9	0000		
014	000	2	999	9		Hood River	027	6	0000		
015	176	1				Jackson	029	3	4890		
			002	6		Ashland				03050	
			044	6		Central Point				12400	
			022	4		Medford				47000	
			999	9		Balance of county				99999	
016	000	2	999	9		Jefferson	031	6	0000		
017	000	2				Josephine	033	4	0000		
			012	6		Grants Pass				30550	
			999	9		Balance of county				99999	
018	000	2				Klamath	035	4	0000		
			017	6		Klamath Falls				39700	
			999	9		Balance of county				99999	
019	000	2	999	9		Lake	037	9	0000		
020	088	1				Lane	039	2	2400		
			009	3		Eugene				23850	
			030	4		Springfield				69600	
			999	9		Balance of county				99999	
021	000	2	999	9		Lincoln	041	5	0000		
022	000	2				Linn	043	3	0000		
			001	5		Albany, part				01000	
			020	6		Lebanon				41650	
			999	9		Balance of county				99999	
023	000	2				Malheur	045	5	0000		
			046	6		Ontario				54900	
			999	9		Balance of county				99999	
024	244	1				Marion	047	2	7080		
			016	5		Keizer				38500	
			029	3		Salem, part				64900	
			034	6		Woodburn				83750	
			999	9		Balance of county				99999	
025	000	2	999	9		Morrow	049	6	0000		
026	220	1				Multnomah	051	1	6440		
			013	4		Gresham				31250	
			019	5		Lake Oswego, part				40550	
			023	6		Milwaukie, part				48650	
			027	1		Portland, part				59000	
			050	6		Troutdale				74850	
			999	9		Balance of county				99999	

Vital Statistics Codes							FIPS Codes											
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place							
OR	027	244	1	Oregon				OR	053	4	7080							
				Polk														
				045	6	Dallas									17700			
				029	3	Salem, part									64900			
				999	9	Balance of county									99999			
				028	000	2	999					9	Sherman		055	9	0000	
				029	000	2	999					9	Tillamook		057	6	0000	
				030	000	2							Umatilla		059	4	0000	
							014					6	Hermiston					33700
							026					6	Pendleton					57150
			999	9	Balance of county					99999								
031	000	2			Union		061	6	0000									
			018	6	La Grande					40350								
			999	9	Balance of county					99999								
032	000	2	999	9	Wallowa		063	9	0000									
033	000	2			Wasco		065	6	0000									
			006	6	City of The Dalles					13425								
			999	9	Balance of county					99999								
034	220	1			Washington		067	2	6440									
			004	4	Beaverton					05350								
			010	6	Forest Grove					26200								
			015	4	Hillsboro					34100								
			019	5	Lake Oswego, part					40550								
			027	1	Portland, part					59000								
			049	6	Sherwood					67100								
			031	5	Tigard					73650								
			032	6	Tualatin, part					74950								
			052	6	Wilsonville, part					82800								
			999	9	Balance of county					99999								
035	000	2	999	9	Wheeler		069	9	0000									
036	220	1			Yamhill		071	4	6440									
			021	5	McMinnville					45000								
			024	6	Newberg					52100								
			999	9	Balance of county					99999								

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
PA											
001	000	2	999	9		Pennsylvania	PA	001	4	0000	
002	217	1				Adams		003	0	6280	
						Allegheny					03928
			006	6		Baldwin borough					06064
			010	5		Bethel Park borough					08416
			014	6		Brentwood borough					27552
			036	6		Franklin Park borough					32328
			154	6		Hampton Township					32832
			041	6		Harrison Township					45900
			065	5		McCandless Township					46256
			066	6		McKeesport					52320
			076	6		Munhall borough					52330
			077	5		Municipality of Monroeville borough					61000
			094	2		Pittsburgh					61536
			095	5		Plum borough					66264
			102	5		Ross Township					68388
			160	6		Scott Township					69584
			105	5		Shaler Township					72400
			107	6		South Park Township					83512
			137	6		West Mifflin borough					84512
			139	6		Whitehall borough					85188
			144	6		Wilkinsburg borough					99999
			999	9		Balance of county					
003	000	2	999	9		Armstrong		005	4	0000	
004	217	1				Beaver		007	3	6280	
			002	6		Aliquippa					00820
			999	9		Balance of county					99999
005	000	2	999	9		Bedford		009	5	0000	
006	228	1				Berks		011	2	6680	
			075	6		Muhlenberg township					52200
			100	4		Reading					63624
			113	6		Spring township					72824
			999	9		Balance of county					99999
007	008	1				Blair		013	3	0280	
			004	5		Altoona					02184
			999	9		Balance of county					99999
008	000	2	999	9		Bradford		015	4	0000	
009	214	1				Bucks		017	1	6160	
			008	4		Bensalem township					05616
			016	4		Bristol township					08768
			150	6		Doylestown township					19792
			035	5		Falls township					25112
			059	5		Lower Makefield township					44968
			064	6		Lower Southampton township					45112
			071	5		Middletown township					49120
			157	6		Morrisville borough					51144
			084	6		Newtown township					54192
			086	5		Northampton township					54688
			130	6		Upper Southampton township					79296
			132	5		Warminster township					80952
			162	6		Warrington township					81048
			163	6		Warwick township					81144
			999	9		Balance of county					99999
010	217	1				Butler		019	3	6280	
			017	6		Butler					10464
			149	6		Cranberry township					16920
			999	9		Balance of county					99999
011	141	1				Cambria		021	3	3680	
			050	6		Johnstown					38288
			999	9		Balance of county					99999
012	000	2	999	9		Cameron		023	9	0000	
013	007	1	999	9		Carbon		025	4	0240	
014	272	1				Centre		027	3	8050	
			114	5		State College borough					73808
			999	9		Balance of county					99999
015	214	1				Chester		029	2	6160	
			018	6		Calm township					10824
			024	6		Coatesville					14712
			028	6		East Goshen township					21192
			152	6		Easttown township					21928
			093	6		Phoenixville borough					60120
			120	5		Tredyffrin township					77344
			131	6		Uwchlan township					79480
			135	6		West Chester borough					82704
			136	6		West Goshen township					83080

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
PA				Pennsylvania	PA		
	015			Chester, con.		029	2 6160
		164	6	Westtown township			84104
		165	6	West Whiteland township			84192
		999	9	Balance of county			99999
	016	000	2	Clarion		031	5 0000
	017	000	2	Clearfield		033	4 0000
	018	000	2	Clinton		035	5 0000
	019	259	1	Columbia		037	4 7560
		009	6	Berwick borough			05888
		013	6	Bloomsburg			07128
		999	9	Balance of county			99999
	020	000	2	Crawford		039	4 0000
		069	6	Meadville			48360
		999	9	Balance of county			99999
	021	121	1	Cumberland		041	3 3240
		020	6	Carlisle borough			11272
		031	6	East Pennsboro township			21680
		038	6	Hampden township			32296
		057	6	Lower Allen township			44832
		122	6	Upper Allen township			78736
		999	9	Balance of county			99999
	022	121	1	Dauphin		043	2 3240
		040	5	Harrisburg			32800
		062	5	Lower Paxton township			45056
		116	6	Susquehanna township			75528
		117	6	Swatara township			75672
		999	9	Balance of county			99999
	023	214	1	Delaware		045	1 6160
		005	6	Aston township			03336
		023	5	Chester			13208
		026	6	Darby borough			18152
		043	5	Haverford township			33144
		055	6	Lansdowne borough			41440
		068	6	Marple township			47616
		070	6	Middletown township			49136
		080	6	Nether Providence Township			53104
		083	6	Newtown township			54224
		099	5	Radnor Township			63264
		101	5	Ridley township			64800
		123	6	Upper Chichester township			78776
		124	4	Upper Darby township			79000
		161	6	Upper Providence township			79248
		146	6	Yeadon borough			86968
		999	9	Balance of county			99999
	024	000	2	Elk		047	5 0000
		159	6	St. Marys city			67344
		999	9	Balance of county			99999
	025	087	1	Erie		049	2 2360
		034	3	Erie			24000
		072	4	Millcreek township			49548
		999	9	Balance of county			99999
	026	217	1	Fayette		051	3 6280
		121	6	Uniontown			78528
		999	9	Balance of county			99999
	027	000	2	Forest		053	9 0000
	028	000	2	Franklin		055	3 0000
		021	6	Chambersburg borough			12536
		999	9	Balance of county			99999
	029	000	2	Fulton		057	6 0000
	030	000	2	Greene		059	5 0000
	031	000	2	Huntingdon		061	5 0000
	032	000	2	Indiana		063	4 0000
		048	6	Indiana borough			36816
		999	9	Balance of county			99999
	033	000	2	Jefferson		065	5 0000
	034	000	2	Juniata		067	6 0000
	035	259	1	Lackawanna		069	3 7560
		027	6	Dunmore borough			20352
		104	4	Scranton			69000
		999	9	Balance of county			99999
	036	155	1	Lancaster		071	2 4000
		025	6	Columbia borough			15384
		151	6	East Hempfield township			21232
		153	6	Elizabethtown borough			23016

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
PA						Pennsylvania	PA				
	036					Lancaster, con.		071	2	4000	
		033	6			Ephrata borough				23832	
		052	4			Lancaster				41216	
		053	6			Lancaster township				41224	
		067	5			Manheim township				46896	
		999	9			Balance of county				99999	
037	000	2				Lawrence		073	4	0000	
		081	5			New Castle				53368	
		999	9			Balance of county				99999	
038	121	1				Lebanon		075	3	3240	
		056	6			Lebanon				42168	
		999	9			Balance of county				99999	
039	007	1				Lehigh		077	2	0240	
		003	3			Allentown				02000	
		011	4			Bethlehem, part				06088	
		032	6			Emmaus borough				23584	
		103	6			Salisbury township				67576	
		108	6			South Whitehall township				72632	
		140	6			Whitehall township				84528	
		999	9			Balance of county				99999	
040	259	1				Luzerne		079	2	7560	
		044	6			Hazleton				33408	
		051	6			Kingston borough				39784	
		079	6			Nanticoke				52584	
		143	5			Wilkes-Barre				85152	
		999	9			Balance of county				99999	
041	303	1				Lycoming		081	3	9140	
		145	5			Williamsport				85312	
		999	9			Balance of county				99999	
042	000	2				McKean		083	5	0000	
043	261	1				Mercer		085	3	7610	
		046	6			Hermitage				34064	
		106	6			Sharon				69720	
		999	9			Balance of county				99999	
044	000	2				Mifflin		087	5	0000	
045	000	2				Monroe		089	3	0000	
046	214	1				Montgomery		091	1	6160	
		001	4			Abington township				00156	
		022	5			Cheltenham township				12968	
		042	6			Hatfield township				33120	
		047	6			Horsham township				35808	
		054	6			Lansdale borough				41432	
		155	6			Lower Gwynedd township				44920	
		060	4			Lower Merion township				44976	
		061	6			Lower Moreland township				45008	
		156	6			Lower Pottsgrove township				45072	
		063	6			Lower Providence township				45080	
		073	6			Montgomery township				50640	
		085	5			Norristown borough				54656	
		096	6			Plymouth township				61664	
		097	6			Pottstown borough				62416	
		111	6			Springfield township				73088	
		119	6			Towamencin township				77152	
		125	5			Upper Dublin township				79008	
		126	6			Upper Gwynedd township				79056	
		127	5			Upper Merion township				79136	
		128	6			Upper Moreland township				79176	
		141	6			Whitemarsh township				84624	
		142	6			Whitpain township				84888	
		999	9			Balance of county				99999	
047	000	2				Montour		093	6	0000	
048	007	1				Northampton		095	2	0240	
		011	4			Bethlehem, part				06088	
		012	6			Bethlehem township				06096	
		030	5			Easton				21648	
		090	6			Palmer township				57672	
		999	9			Balance of county				99999	
049	000	2				Northumberland		097	4	0000	
		115	6			Sunbury				75304	
		999	9			Balance of county				99999	
050	121	1				Perry		099	5	3240	
051	214	1				Philadelphia, coext. with Phila. city		101	0	6160	60000
052	199	1				Pike		103	5	5660	
053	000	2				Potter		105	6	0000	

Vital Statistics Codes					FIPS Codes		
St	Cnty	P/MSA	M/NM	City P/S Area Names	St	Cnty	P/S P/MSA Place
PA				Pennsylvania	PA		
054	000	2		Schuylkill	107	3	0000
			098	6 Pottsville			62432
			999	9 Balance of county			99999
055	000	2	999	9 Snyder	109	5	0000
056	141	1	999	9 Somerset	111	4	3680
057	000	2	999	9 Sullivan	113	9	0000
058	000	2	999	9 Susquehanna	115	5	0000
059	000	2	999	9 Tioga	117	5	0000
060	000	2	999	9 Union	119	5	0000
061	000	2		Venango	121	4	0000
			089	6 Oil City			56456
			999	9 Balance of county			99999
062	000	2		Warren	123	5	0000
			133	6 Warren			81000
			999	9 Balance of county			99999
063	217	1		Washington	125	3	6280
			134	6 Washington			81328
			999	9 Balance of county			99999
064	000	2	999	9 Wayne	127	5	0000
065	217	1		Westmoreland	129	2	6280
			037	6 Greensburg			31200
			045	5 Hempfield township			33792
			049	6 Jeannette			37784
			058	6 Lower Burrell			44864
			078	6 Municipality of Murrysville borough			52332
			082	6 New Kensington			53736
			087	5 North Huntingdon township			55128
			999	9 Balance of county			99999
066	259	1	999	9 Wyoming	131	5	7560
067	308	1		York	133	2	9280
			039	6 Hanover borough			32448
			158	6 Penn township			58888
			109	6 Springetsbury township			72992
			112	6 Spring Garden township			73168
			147	5 York			87048
			999	9 Balance of county			99999

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
RI				Rhode Island			RI				
001	221	1		Bristol			001	4	6483		
			015	6	Warren town					73760	
			999	9	Balance of county					99999	
002	221	1		Kent			003	3	6483		
			004	5	Coventry town					18640	
			016	4	Warwick					74300	
			021	5	West Warwick town					78440	
			999	9	Balance of county					99999	
003	000	2		Newport			005	4	0000		
			009	6	Middletown town					45460	
			011	5	Newport					49960	
			999	9	Balance of county					99999	
004	221	1		Providence			007	1	6483		
			003	6	Central Falls					14140	
			005	4	Cranston					19180	
			006	5	Cumberland town					20080	
			007	5	East Providence					22960	
			008	5	Johnston town					37720	
			018	6	Lincoln town					41500	
			013	4	Pawtucket					54640	
			014	3	Providence					59000	
			017	5	Woonsocket					80780	
			999	9	Balance of county					99999	
005	221	1		Washington			009	3	6483		
			010	6	Narragansett town					48340	
			019	5	North Kingstown town					51580	
			020	5	South Kingstown town					67460	
			999	9	Balance of county					99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
SC				South Carolina							
001	000	2	999	9		Abbeville	SC	001	5	0000	
002	018	1				Aiken		003	3	0600	
			001	5		Aiken				00550	
			022	6		North Augusta, part				50695	
			999	9		Balance of county				99999	
003	000	2	999	9		Allendale		005	6	0000	
004	118	1				Anderson		007	3	3160	
			002	5		Anderson				01360	
			006	6		Clemson, part				14950	
			999	9		Balance of county				99999	
005	000	2	999	9		Bamberg		009	6	0000	
006	000	2	999	9		Barnwell		011	6	0000	
007	000	2				Beaufort		013	3	0000	
			039	6		Beaufort				04690	
			016	5		Hilton Head Island				34045	
			999	9		Balance of county				99999	
008	049	1				Berkeley		015	3	1440	
			043	4		Charleston, part				13330	
			011	5		Goose Creek, part				29815	
			015	6		Hanahan				32065	
			028	5		Summerville, part				70270	
			999	9		North Charleston, part				99999	
			999	9		Balance of county				99999	
009	000	2	999	9		Calhoun		017	6	0000	
010	049	1				Charleston		019	2	1440	
			005	4		Charleston, part				13330	
			045	5		Goose Creek, part				29815	
			019	5		Mount Pleasant				48535	
			023	4		North Charleston, part				50875	
			028	5		Summerville, part				70270	
			999	9		Balance of county				99999	
011	118	1				Cherokee		021	4	3160	
			010	6		Gaffney				28060	
			999	9		Balance of county				99999	
012	000	2	999	9		Chester		023	5	0000	
013	000	2	999	9		Chesterfield		025	5	0000	
014	000	2	999	9		Clarendon		027	5	0000	
015	000	2	999	9		Colleton		029	5	0000	
016	000	2	999	9		Darlington		031	4	0000	
017	000	2	999	9		Dillon		033	5	0000	
018	049	1				Dorchester		035	4	1440	
			023	4		North Charleston, part				50875	
			028	5		Summerville, part				70270	
			999	9		Balance of county				99999	
019	018	1				Edgefield		037	6	0600	
			022	6		North Augusta, part				50695	
			999	9		Balance of county				99999	
020	000	2	999	9		Fairfield		039	6	0000	
021	095	1				Florence		041	3	2655	
			009	5		Florence				25810	
			999	9		Balance of county				99999	
022	000	2	999	9		Georgetown		043	4	0000	
023	118	1				Greenville		045	2	3160	
			012	4		Greenville				30850	
			014	6		Greer, part				30985	
			018	6		Mauldin				45115	
			026	6		Simpsonville				66580	
			999	9		Balance of county				99999	
024	000	2				Greenwood		047	4	0000	
			013	6		Greenwood				30895	
			999	9		Balance of county				99999	
025	000	2	999	9		Hampton		049	6	0000	
026	190	1				Horry		051	3	5330	
			040	6		Conway				16405	
			020	6		Myrtle Beach				49075	
			042	6		North Myrtle Beach				51280	
			999	9		Balance of county				99999	
027	000	2	999	9		Jasper		053	6	0000	
028	000	2	999	9		Kershaw		055	4	0000	
029	000	2	999	9		Lancaster		057	4	0000	
030	000	2	999	9		Laurens		059	4	0000	
031	000	2	999	9		Lee		061	6	0000	
032	062	1				Lexington		063	3	1760	
			004	6		Cayce				12655	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
SC						South Carolina	SC				
	032					Lexington, con.		063	3	1760	
		044	3			Columbia, part				16000	
		017	6			Irmo, part				35890	
		030	6			West Columbia				75850	
		999	9			Balance of county				99999	
033	000	2	999	9		McCormick		065	9	0000	
034	000	2	999	9		Marion		067	5	0000	
035	000	2	999	9		Marlboro		069	5	0000	
036	000	2				Newberry		071	5	0000	
			021	6		Newberry				49570	
			999	9		Balance of county				99999	
037	000	2	999	9		Oconee		073	4	0000	
038	000	2				Orangeburg		075	4	0000	
		024	6			Orangeburg				53080	
		999	9			Balance of county				99999	
039	118	1				Pickens		077	3	3160	
		006	6			Clemson, part				14950	
		008	6			Easley				21985	
		999	9			Balance of county				99999	
040	062	1				Richland		079	2	1760	
		007	3			Columbia, part				16000	
		041	6			Forest Acres				26305	
		017	6			Irmo, part				35890	
		999	9			Balance of county				99999	
041	000	2	999	9		Saluda		081	6	0000	
042	118	1				Spartanburg		083	2	3160	
		014	6			Greer, part				30985	
		027	5			Spartanburg				68290	
		999	9			Balance of county				99999	
043	275	1				Sumter		085	3	8140	
		029	5			Sumter				70405	
		999	9			Balance of county				99999	
044	000	2	999	9		Union		087	5	0000	
045	000	2	999	9		Williamsburg		089	5	0000	
046	051	1				York		091	3	1520	
		025	5			Rock Hill				61405	
		999	9			Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
SD						South Dakota	SD				
001	000	2	999	9		Aurora	003	9	0000		
002	000	2				Beadle	005	6	0000		
			003	6		Huron				31060	
			999	9		Balance of county				99999	
003	000	2	999	9		Bennett	007	9	0000		
004	000	2	999	9		Bon Homme	009	9	0000		
005	000	2				Brookings	011	5	0000		
			002	6		Brookings				07580	
			999	9		Balance of county				99999	
006	000	2				Brown	013	5	0000		
			001	6		Aberdeen				00100	
			999	9		Balance of county				99999	
007	000	2	999	9		Brule	015	9	0000		
008	000	2	999	9		Buffalo	017	9	0000		
009	000	2	999	9		Butte	019	9	0000		
010	000	2	999	9		Campbell	021	9	0000		
011	000	2	999	9		Charles Mix	023	9	0000		
012	000	2	999	9		Clark	025	9	0000		
013	000	2	999	9		Clay	027	6	0000		
014	000	2				Codington	029	5	0000		
			009	6		Watertown				69300	
			999	9		Balance of county				99999	
015	000	2	999	9		Corson	031	9	0000		
016	000	2	999	9		Custer	033	9	0000		
017	000	2				Davison	035	6	0000		
			004	6		Mitchell				43100	
			999	9		Balance of county				99999	
018	000	2	999	9		Day	037	9	0000		
019	000	2	999	9		Deuel	039	9	0000		
020	000	2	999	9		Dewey	041	9	0000		
021	000	2	999	9		Douglas	043	9	0000		
022	000	2	999	9		Edmunds	045	9	0000		
023	000	2	999	9		Fall River	047	9	0000		
024	000	2	999	9		Faulk	049	9	0000		
025	000	2	999	9		Grant	051	9	0000		
026	000	2	999	9		Gregory	053	9	0000		
027	000	2	999	9		Haakon	055	9	0000		
028	000	2	999	9		Hamlin	057	9	0000		
029	000	2	999	9		Hand	059	9	0000		
030	000	2	999	9		Hanson	061	9	0000		
031	000	2	999	9		Harding	063	9	0000		
032	000	2				Hughes	065	6	0000		
			005	6		Pierre				49600	
			999	9		Balance of county				99999	
033	000	2	999	9		Hutchinson	067	9	0000		
034	000	2	999	9		Hyde	069	9	0000		
035	000	2	999	9		Jackson	071	9	0000		
036	000	2	999	9		Jerauld	073	9	0000		
037	000	2	999	9		Jones	075	9	0000		
038	000	2	999	9		Kingsbury	077	9	0000		
039	000	2	999	9		Lake	079	6	0000		
040	000	2	999	9		Lawrence	081	6	0000		
041	266	1				Lincoln	083	6	7760		
			007	3		Sioux Falls, part				59020	
			999	9		Balance of county				99999	
042	000	2	999	9		Lyman	085	9	0000		
043	000	2	999	9		McCook	087	9	0000		
044	000	2	999	9		McPherson	089	9	0000		
045	000	2	999	9		Marshall	091	9	0000		
046	000	2	999	9		Meade	093	6	0000		
047	000	2	999	9		Mellette	095	9	0000		
048	000	2	999	9		Miner	097	9	0000		
049	266	1				Minnehaha	099	3	7760		
			007	3		Sioux Falls, part				59020	
			999	9		Balance of county				99999	
050	000	2	999	9		Moody	101	9	0000		
051	227	1				Pennington	103	4	6660		
			006	4		Rapid City				52980	
			999	9		Balance of county				99999	
052	000	2	999	9		Perkins	105	9	0000		
053	000	2	999	9		Potter	107	9	0000		
054	000	2	999	9		Roberts	109	6	0000		
055	000	2	999	9		Sanborn	111	9	0000		
056	000	2	999	9		Shannon	113	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
SD				South Dakota			SD				
057	000	2	999	9		Spink	115	9	0000		
058	000	2	999	9		Stanley	117	9	0000		
059	000	2	999	9		Sully	119	9	0000		
060	000	2	999	9		Todd	121	9	0000		
061	000	2	999	9		Tripp	123	9	0000		
062	000	2	999	9		Turner	125	9	0000		
063	000	2	999	9		Union	127	6	0000		
064	000	2	999	9		Walworth	129	9	0000		
065	000	2				Yankton	135	6	0000		
			010	6		Yankton				73060	
			999	9		Balance of county				99999	
066	000	2	999	9		Ziebach	137	9	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TN				Tennessee			TN				
001	148	1		Anderson			001	4	3840		
			035	5		Oak Ridge, part				55120	
			999	9		Balance of county				99999	
002	000	2		Bedford			003	5	0000		
			037	6		Shelbyville				67760	
			999	9		Balance of county				99999	
003	000	2	999	9		Benton	005	6	0000		
004	000	2	999	9		Bledsoe	007	6	0000		
005	148	1		Blount			009	3	3840		
			029	6		Maryville				46380	
			999	9		Balance of county				99999	
006	000	2		Bradley			011	4	0000		
			008	5		Cleveland				15400	
			999	9		Balance of county				99999	
007	000	2	999	9		Campbell	013	5	0000		
008	000	2	999	9		Cannon	015	6	0000		
009	000	2	999	9		Carroll	017	5	0000		
010	140	1		Carter			019	4	3660		
			014	6		Elizabethhton				23500	
			023	4		Johnson City, part				38320	
			999	9		Balance of county				99999	
011	192	1	999	9		Cheatham	021	5	5360		
012	000	2	999	9		Chester	023	6	0000		
013	000	2	999	9		Claiborne	025	5	0000		
014	000	2	999	9		Clay	027	9	0000		
015	000	2	999	9		Cocke	029	5	0000		
016	000	2		Coffee			031	5	0000		
			040	6		Tullahoma, part				75320	
			999	9		Balance of county				99999	
017	000	2	999	9		Crockett	033	6	0000		
018	000	2	999	9		Cumberland	035	5	0000		
019	192	1		Davidson			037	1	5360		
			019	6		Goodlettsville, part				29920	
			034	1		Nashville-Davidson				52006	
			999	9		Balance of county				99999	
020	000	2	999	9		Decatur	039	6	0000		
021	000	2	999	9		DeKalb	041	6	0000		
022	192	1		Dickson			043	5	5360		
			049	6		Dickson				20620	
			999	9		Balance of county				99999	
023	000	2		Dyer			045	5	0000		
			012	6		Dyersburg				22200	
			999	9		Balance of county				99999	
024	178	1	999	9		Fayette	047	5	4920		
025	000	2	999	9		Fentress	049	6	0000		
026	000	2		Franklin			051	5	0000		
			040	6		Tullahoma, part				75320	
			999	9		Balance of county				99999	
027	000	2	999	9		Gibson	053	5	0000		
028	000	2	999	9		Giles	055	5	0000		
029	000	2	999	9		Grainger	057	6	0000		
030	000	2		Greene			059	4	0000		
			020	6		Greeneville				30980	
			999	9		Balance of county				99999	
031	000	2	999	9		Grundy	061	6	0000		
032	000	2		Hamblen			063	4	0000		
			032	6		Morristown, part				50280	
			999	9		Balance of county				99999	
033	053	1		Hamilton			065	2	1560		
			006	3		Chattanooga, part				14000	
			013	6		East Ridge				22720	
			036	6		Red Bank				61960	
			055	6		Soddy-Daisy				69560	
			999	9		Balance of county				99999	
034	000	2	999	9		Hancock	067	9	0000		
035	000	2	999	9		Hardeman	069	5	0000		
036	000	2	999	9		Hardin	071	5	0000		
037	140	1		Hawkins			073	4	3660		
			024	5		Kingsport, part				39560	
			999	9		Balance of county				99999	
038	000	2		Haywood			075	6	0000		
			005	6		Brownsville				08920	
			999	9		Balance of county				99999	
039	000	2	999	9		Henderson	077	5	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TN				Tennessee			TN				
040	000	2	999	9		Henry	079	5	0000		
041	000	2	999	9		Hickman	081	6	0000		
042	000	2	999	9		Houston	083	9	0000		
043	000	2	999	9		Humphreys	085	6	0000		
044	000	2	999	9		Jackson	087	6	0000		
045	000	2				Jefferson	089	5	0000		
			056	6		Morristown, part				50280	
			999	9		Balance of county				99999	
046	000	2	999	9		Johnson	091	6	0000		
047	148	1				Knox	093	2	3840		
			015	6		Farragut, part				25760	
			025	3		Knoxville				40000	
			999	9		Balance of county				99999	
048	000	2	999	9		Lake	095	9	0000		
049	000	2	999	9		Lauderdale	097	5	0000		
050	000	2				Lawrence	099	5	0000		
			026	6		Lawrenceburg				41340	
			999	9		Balance of county				99999	
051	000	2	999	9		Lewis	101	6	0000		
052	000	2	999	9		Lincoln	103	5	0000		
053	148	1				Loudon	105	5	3840		
			015	6		Farragut, part				25760	
			999	9		Balance of county				99999	
054	000	2				McMinn	107	5	0000		
			001	6		Athens				02320	
			999	9		Balance of county				99999	
055	000	2	999	9		McNairy	109	6	0000		
056	000	2	999	9		Macon	111	6	0000		
057	134	1				Madison	113	4	3580		
			022	4		Jackson				37640	
			999	9		Balance of county				99999	
058	053	1				Marion	115	5	1560		
			057	3		Chattanooga, part				14000	
			999	9		Balance of county				99999	
059	000	2				Marshall	117	5	0000		
			051	6		Lewisburg				41860	
			999	9		Balance of county				99999	
060	000	2				Maury	119	4	0000		
			010	5		Columbia				16540	
			999	9		Balance of county				99999	
061	000	2	999	9		Meigs	121	6	0000		
062	000	2	999	9		Monroe	123	5	0000		
063	058	1				Montgomery	125	3	1660		
			007	3		Clarksville				15160	
			999	9		Balance of county				99999	
064	000	2	999	9		Moore	127	9	0000		
065	000	2	999	9		Morgan	129	6	0000		
066	000	2				Obion	131	5	0000		
			041	6		Union City				75940	
			999	9		Balance of county				99999	
067	000	2	999	9		Overton	133	6	0000		
068	000	2	999	9		Perry	135	9	0000		
069	000	2	999	9		Pickett	137	9	0000		
070	000	2	999	9		Polk	139	6	0000		
071	000	2				Putnam	141	4	0000		
			011	6		Cookeville				16920	
			999	9		Balance of county				99999	
072	000	2	999	9		Rhea	143	5	0000		
073	000	2				Roane	145	4	0000		
			035	5		Oak Ridge, part				55120	
			999	9		Balance of county				99999	
074	192	1				Robertson	147	4	5360		
			039	6		Springfield				70500	
			999	9		Balance of county				99999	
075	192	1				Rutherford	149	3	5360		
			050	6		La Vergne				41200	
			033	4		Murfreesboro				51560	
			038	5		Smyrna				69420	
			999	9		Balance of county				99999	
076	000	2	999	9		Scott	151	6	0000		
077	000	2	999	9		Sequatchie	153	6	0000		
078	148	1				Sevier	155	4	3840		
			054	6		Sevierville				67120	
			999	9		Balance of county				99999	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TN				Tennessee			TN				
	079	178	1	Shelby				157	1	4920	
				002 5	Bartlett					03440	
				009 5	Collierville					16420	
				018 5	Germantown					28960	
				030 1	Memphis					48000	
				031 6	Millington					49060	
				999 9	Balance of county					99999	
	080	000	2	999 9	Smith			159	6	0000	
	081	000	2	999 9	Stewart			161	6	0000	
	082	140	1	Sullivan				163	3	3660	
				004 6	Bristol					08540	
				023 4	Johnson City, part					38320	
				024 5	Kingsport, part					39560	
				999 9	Balance of county					99999	
	083	192	1	Sumner				165	3	5360	
				017 6	Gallatin					28540	
				019 6	Goodlettsville, part					29920	
				021 5	Hendersonville					33280	
				999 9	Balance of county					99999	
	084	178	1	999 9	Tipton			167	4	4920	
	085	000	2	999 9	Trousdale			169	9	0000	
	086	140	1	999 9	Unicoi			171	6	3660	
	087	148	1	999 9	Union			173	6	3840	
	088	000	2	999 9	Van Buren			175	9	0000	
	089	000	2	Warren				177	5	0000	
				028 6	McMinnville					45100	
				999 9	Balance of county					99999	
	090	140	1	Washington				179	3	3660	
				023 4	Johnson City, part					38320	
				999 9	Balance of county					99999	
	091	000	2	999 9	Wayne			181	6	0000	
	092	000	2	Weakley				183	5	0000	
				052 6	Martin					46240	
				999 9	Balance of county					99999	
	093	000	2	999 9	White			185	6	0000	
	094	192	1	Williamson				187	3	5360	
				003 6	Brentwood					08280	
				016 5	Franklin					27740	
				999 9	Balance of county					99999	
	095	192	1	Wilson				189	4	5360	
				027 6	Lebanon					41520	
				053 6	Mount Juliet					50780	
				999 9	Balance of county					99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas							
001	000	2		Anderson			TX	001	4	0000	
				116	6	Palestine					54708
				999	9	Balance of county					99999
002	000	2	999	9		Andrews		003	6	0000	
003	000	2	999	9		Angelina		005	4	0000	
			098	5		Lufkin					45072
			999	9		Balance of county					99999
004	000	2	999	9		Aansas		007	6	0000	
005	302	1	999	9		Archer		009	9	9080	
			999	9		Wichita Falls, part					99999
006	000	2	999	9		Armstrong		011	9	0000	
007	000	2	999	9		Atascosa		013	5	0000	
008	000	2	999	9		Austin		015	6	0000	
009	000	2	999	9		Bailey		017	9	0000	
010	000	2	999	9		Bandera		019	6	0000	
011	019	1	999	9		Bastrop		021	4	0640	
012	000	2	999	9		Baylor		023	9	0000	
013	000	2				Bee		025	5	0000	
			016	6		Beeville					07192
			999	9		Balance of county					99999
014	147	1				Bell		027	3	3810	
			018	6		Belton					07492
			249	5		Copperas Cove, part					16624
			071	6		Harker Heights					32312
			084	4		Killeen					39148
			152	4		Temple					72176
			999	9		Balance of county					99999
015	248	1				Bexar		029	0	7240	
			224	6		Converse					16468
			137	0		San Antonio, part					65000
			141	6		Schertz, part					66128
			158	6		Universal City					74408
			999	9		Balance of county					99999
016	000	2	999	9		Blanco		031	9	0000	
017	000	2	999	9		Borden		033	9	0000	
018	000	2	999	9		Bosque		035	6	0000	
019	281	1				Bowie		037	4	8360	
			154	5		Texarkana					72368
			999	9		Balance of county					99999
020	039	1				Brazoria		039	3	1145	
			004	6		Alvin					02272
			007	6		Angleton					03264
			223	6		Clute					15652
			058	6		Freeport					27420
			086	5		Lake Jackson					40588
			120	5		Pearland, part					56348
			999	9		Balance of county					99999
021	042	1				Brazos		041	3	1260	
			025	4		Bryan					10912
			032	4		College Station					15976
			999	9		Balance of county					99999
022	000	2	999	9		Brewster		043	9	0000	
023	000	2	999	9		Briscoe		045	9	0000	
024	000	2	999	9		Brooks		047	9	0000	
025	000	2				Brown		049	5	0000	
			024	6		Brownwood					10780
			999	9		Balance of county					99999
026	000	2	999	9		Burleson		051	6	0000	
027	000	2	999	9		Burnet		053	5	0000	
028	019	1				Caldwell		055	5	0640	
			232	6		Lockhart					43240
			140	5		San Marcos, part					65600
			999	9		Balance of county					99999
029	000	2				Calhoun		057	6	0000	
			127	6		Port Lavaca					58916
			999	9		Balance of county					99999
030	000	2	999	9		Callahan		059	6	0000	
031	041	1				Cameron		061	2	1240	
			023	3		Brownsville					10768
			072	4		Harlingen					32372
			138	6		San Benito					65036
			999	9		Balance of county					99999
032	000	2	999	9		Camp		063	6	0000	
033	000	2	999	9		Carson		065	9	0000	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
	034	000	2	999	9	Cass		067	5	0000	
	035	000	2	999	9	Castro		069	9	0000	
	036	127	1			Chambers		071	5	3360	
				013	4	Baytown, part					06128
				255	5	Texas City, part					72392
				999	9	Balance of county					99999
	037	000	2			Cherokee		073	5	0000	
				080	6	Jacksonville					37216
				999	9	Balance of county					99999
	038	000	2	999	9	Childress		075	9	0000	
	039	000	2	999	9	Clay		077	6	0000	
	040	000	2	999	9	Cochran		079	9	0000	
	041	000	2	999	9	Coke		081	9	0000	
	042	000	2	999	9	Coleman		083	9	0000	
	043	067	1			Collin		085	2	1920	
				003	5	Allen					01924
				029	3	Carrollton, part					13024
				039	0	Dallas, part					19000
				227	5	Frisco, part					27684
				063	3	Garland, part					29000
				100	4	McKinney					45744
				124	3	Plano, part					58016
				129	4	Richardson, part					61796
				239	6	Wylie, part					80356
				999	9	Balance of county					99999
	044	000	2	999	9	Collingsworth		087	9	0000	
	045	000	2	999	9	Colorado		089	6	0000	
	046	248	1			Comal		091	4	7240	
				112	5	New Braunfels, part					50820
				254	0	San Antonio, part					65000
				141	6	Schertz, part					66128
				999	9	Balance of county					99999
	047	000	2	999	9	Comanche		093	6	0000	
	048	000	2	999	9	Concho		095	9	0000	
	049	000	2			Cooke		097	5	0000	
				060	6	Gainesville					27984
				999	9	Balance of county					99999
	050	147	1			Coryell		099	4	3810	
				036	5	Copperas Cove, part					16624
				064	6	Gatesville					29168
				999	9	Balance of county					99999
	051	000	2	999	9	Cottle		101	9	0000	
	052	000	2	999	9	Crane		103	9	0000	
	053	000	2	999	9	Crockett		105	9	0000	
	054	000	2	999	9	Crosby		107	9	0000	
	055	000	2	999	9	Culberson		109	9	0000	
	056	000	2	999	9	Dallam		111	9	0000	
	057	067	1			Dallas		113	0	1920	
				220	6	Addison					01240
				011	6	Balch Springs					05372
				029	3	Carrollton, part					13024
				030	5	Cedar Hill, part					13492
				035	5	Coppell, part					16612
				039	0	Dallas, part					19000
				044	5	DeSoto					20092
				047	5	Duncanville					21628
				054	5	Farmers Branch					25452
				063	3	Garland, part					29000
				066	3	Grand Prairie, part					30464
				067	5	Grapevine, part					30644
				079	3	Irving					37000
				089	5	Lancaster					41212
				094	4	Lewisville, part					42508
				104	3	Mesquite, part					47892
				129	4	Richardson, part					61796
				135	5	Rowlett, part					63572
				236	6	Seagoville, part					66428
				159	6	University Park					74492
				247	6	Wylie, part					80356
				999	9	Balance of county					99999
	058	000	2	999	9	Dawson		115	6	0000	
	059	000	2			Deaf Smith		117	6	0000	
				074	6	Hereford					33320
				999	9	Balance of county					99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
060	000	2	999	9		Delta		119	9	0000	
061	067	1				Denton		121	2	1920	
			029	3		Carrollton, part					13024
			035	5		Coppell, part					16612
			225	6		Corinth					16696
			039	0		Dallas, part					19000
			043	4		Denton					19972
			055	4		Flower Mound, part					26232
			057	1		Fort Worth, part					27000
			241	5		Frisco, part					27684
			067	5		Grapevine, part					30644
			229	6		Highland Village					33848
			094	4		Lewisville, part					42508
			124	3		Plano, part					58016
			245	6		Southlake, part					69032
			156	5		The Colony					72530
			999	9		Balance of county					99999
062	000	2	999	9		DeWitt		123	6	0000	
063	000	2	999	9		Dickens		125	9	0000	
064	000	2	999	9		Dimmit		127	6	0000	
065	000	2	999	9		Donley		129	9	0000	
066	000	2	999	9		Duval		131	6	0000	
067	000	2	999	9		Eastland		133	6	0000	
068	203	1				Ector		135	3	5800	
			114	4		Odessa, part					53388
			999	9		Balance of county					99999
069	000	2	999	9		Edwards		137	9	0000	
070	067	1				Ellis		139	3	1920	
			030	5		Cedar Hill, part					13492
			052	6		Ennis					24348
			066	3		Grand Prairie, part					30464
			101	5		Mansfield, part					46452
			166	6		Waxahachie					76816
			999	9		Balance of county					99999
071	083	1				El Paso		141	1	2320	
			051	1		El Paso					24000
			145	5		Socorro					68636
			999	9		Balance of county					99999
072	000	2				Erath		143	5	0000	
			147	6		Stephenville					70208
			999	9		Balance of county					99999
073	000	2	999	9		Falls		145	6	0000	
074	000	2	999	9		Fannin		147	5	0000	
075	000	2	999	9		Fayette		149	6	0000	
076	000	2	999	9		Fisher		151	9	0000	
077	000	2	999	9		Floyd		153	9	0000	
078	000	2	999	9		Foard		155	9	0000	
079	127	1				Fort Bend		157	2	3360	
			075	0		Houston, part					35000
			242	6		Katy, part					38476
			108	4		Missouri City, part					48804
			251	5		Pearland, part					56348
			130	6		Richmond					61892
			133	6		Rosenberg					63284
			238	6		Stafford, part					69908
			148	4		Sugar Land					70808
			999	9		Balance of county					99999
080	000	2	999	9		Franklin		159	9	0000	
081	000	2	999	9		Freestone		161	6	0000	
082	000	2	999	9		Frio		163	6	0000	
083	000	2	999	9		Gaines		165	6	0000	
084	107	1				Galveston		167	2	2920	
			226	6		Dickinson					20344
			059	5		Friendswood, part					27648
			062	4		Galveston					28068
			087	6		La Marque					41116
			092	5		League City, part					41980
			155	5		Texas City, part					72392
			999	9		Balance of county					99999
085	000	2	999	9		Garza		169	9	0000	
086	000	2	999	9		Gillespie		171	6	0000	
087	000	2	999	9		Glasscock		173	9	0000	
088	000	2	999	9		Goliad		175	9	0000	
089	000	2	999	9		Gonzales		177	6	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
090	000	2		Gray			179	6	0000		
			117	6		Pampa				54912	
			999	9		Balance of county				99999	
091	263	1		Grayson			181	3	7640		
			042	6		Denison				19900	
			143	5		Sherman				67496	
			999	9		Balance of county				99999	
092	167	1		Gregg			183	3	4420		
			083	6		Kilgore, part				39124	
			096	4		Longview, part				43888	
			999	9		Balance of county				99999	
093	000	2	999	9		Grimes	185	6	0000		
094	248	1		Guadalupe			187	4	7240		
			112	5		New Braunfels, part				50820	
			141	6		Schertz, part				66128	
			142	6		Seguin				66644	
			999	9		Balance of county				99999	
095	000	2		Hale			189	5	0000		
			123	6		Plainview				57980	
			999	9		Balance of county				99999	
096	000	2	999	9		Hall	191	9	0000		
097	000	2	999	9		Hamilton	193	9	0000		
098	000	2	999	9		Hansford	195	9	0000		
099	000	2	999	9		Hardeman	197	9	0000		
100	025	1	999	9		Hardin	199	5	0840		
101	127	1		Harris			201	0	3360		
			013	4		Baytown, part				06128	
			017	6		Bellaire				07300	
			040	5		Deer Park				19624	
			059	5		Friendswood, part				27648	
			061	6		Galena Park				27996	
			075	0		Houston, part				35000	
			076	6		Humble				35348	
			230	6		Jacinto City				37156	
			231	6		Katy, part				38476	
			090	5		La Porte				41440	
			092	5		League City, part				41980	
			108	4		Missouri City, part				48804	
			119	3		Pasadena				56000	
			120	5		Pearland, part				56348	
			146	6		South Houston				69020	
			246	6		Stafford, part				69908	
			169	6		West University Place					
				77956							
				999	9	Balance of county				99999	
102	167	1		Harrison			203	4	4420		
			096	4		Longview, part				43888	
			102	6		Marshall				46776	
			999	9		Balance of county				99999	
103	000	2	999	9		Hartley	205	9	0000		
104	000	2	999	9		Haskell	207	9	0000		
105	019	1		Hays			209	4	0640		
			140	5		San Marcos, part				65600	
			999	9		Balance of county				99999	
106	000	2	999	9		Hemphill	211	9	0000		
107	067	1		Henderson			213	4	1920		
			009	6		Athens				04504	
			999	9		Balance of county				99999	
108	175	1		Hidalgo			215	1	4880		
			221	6		Alamo				01576	
			045	6		Donna				20884	
			049	5		Edinburg				22660	
			099	3		McAllen				45384	
			103	6		Mercedes				47700	
			107	5		Mission				48768	
			122	5		Pharr				57200	
			139	5		San Juan				65516	
			168	5		Weslaco				77272	
			999	9		Balance of county				99999	
109	000	2	999	9		Hill	217	5	0000		
110	000	2		Hockley			219	6	0000		
			093	6		Levelland				42448	
			999	9		Balance of county				99999	
111	103	1	999	9		Hood	221	5	2800		
112	000	2		Hopkins			223	5	0000		
			149	6		Sulphur Springs				70904	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
112				Hopkins, con.			223	5	0000		
				Balance of county						99999	
113	000	2	999	9		Houston	225	6	0000		
114	000	2				Howard	227	5	0000		
			020	5		Big Spring				08236	
			999	9		Balance of county				99999	
115	000	2	999	9		Hudspeth	229	9	0000		
116	067	1				Hunt	231	4	1920		
			068	6		Greenville				30920	
			999	9		Balance of county				99999	
117	000	2				Hutchinson	233	6	0000		
			021	6		Borger				09556	
			999	9		Balance of county				99999	
118	000	2	999	9		Irion	235	9	0000		
119	000	2	999	9		Jack	237	9	0000		
120	000	2	999	9		Jackson	239	6	0000		
121	000	2	999	9		Jasper	241	5	0000		
122	000	2	999	9		Jeff Davis	243	9	0000		
123	025	1				Jefferson	245	2	0840		
			014	3		Beaumont				07000	
			069	6		Groves				31328	
			111	6		Nederland				50580	
			125	4		Port Arthur, part				58820	
			128	6		Port Neches				58940	
			999	9		Balance of county				99999	
124	000	2	999	9		Jim Hogg	247	9	0000		
125	000	2				Jim Wells	249	5	0000		
			002	6		Alice				01852	
			999	9		Balance of county				99999	
126	103	1				Johnson	251	3	2800		
			027	6		Burleson, part				11428	
			031	5		Cleburne				15364	
			101	5		Mansfield, part				46452	
			999	9		Balance of county				99999	
127	000	2				Jones	253	6	0000		
			001	3		Abilene, part				01000	
			999	9		Balance of county				99999	
128	000	2	999	9		Karnes	255	6	0000		
129	067	1				Kaufman	257	4	1920		
			039	0		Dallas, part				19000	
			250	3		Mesquite, part				47892	
			244	6		Seagoville, part				66428	
			153	6		Terrell				72284	
			999	9		Balance of county				99999	
130	000	2	999	9		Kendall	259	6	0000		
131	000	2	999	9		Kenedy	261	9	0000		
132	000	2	999	9		Kent	263	9	0000		
133	000	2				Kerr	265	5	0000		
			082	6		Kerrville				39040	
			999	9		Balance of county				99999	
134	000	2	999	9		Kimble	267	9	0000		
135	000	2	999	9		King	269	9	0000		
136	000	2	999	9		Kinney	271	9	0000		
137	000	2				Kleberg	273	5	0000		
			037	2		Corpus Christi, part				17000	
			085	5		Kingsville				39352	
			999	9		Balance of county				99999	
138	000	2	999	9		Knox	275	9	0000		
139	000	2				Lamar	277	5	0000		
			118	5		Paris				55080	
			999	9		Balance of county				99999	
140	000	2	999	9		Lamb	279	6	0000		
141	000	2				Lampasas	281	6	0000		
			036	5		Copperas Cove, part				16624	
			999	9		Balance of county				99999	
142	000	2	999	9		La Salle	283	9	0000		
143	000	2	999	9		Lavaca	285	6	0000		
144	000	2	999	9		Lee	287	6	0000		
145	000	2	999	9		Leon	289	6	0000		
146	127	1	999	9		Liberty	291	4	3360		
147	000	2	999	9		Limestone	293	6	0000		
148	000	2	999	9		Lipscomb	295	9	0000		
149	000	2	999	9		Live Oak	297	6	0000		
150	000	2	999	9		Llano	299	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas							
151	000	2	999	9	Loving		301	9	0000		
152	170	1		Lubbock			303	3	4600		
			097	3	Lubbock					45000	
			999	9	Balance of county					99999	
153	000	2	999	9	Lynn		305	9	0000		
154	000	2	999	9	McCulloch		307	9	0000		
155	295	1		McLennan			309	3	8800		
			228	6	Hewitt					33428	
			164	3	Waco					76000	
			999	9	Balance of county					99999	
156	000	2	999	9	McMullen		311	9	0000		
157	000	2	999	9	Madison		313	6	0000		
158	000	2	999	9	Marion		315	6	0000		
159	000	2		Martin			317	9	0000		
			105	4	Midland, part					48072	
			999	9	Balance of county					99999	
160	000	2	999	9	Mason		319	9	0000		
161	000	2		Matagorda			321	5	0000		
			012	6	Bay City					05984	
			999	9	Balance of county					99999	
162	000	2		Maverick			323	5	0000		
			048	6	Eagle Pass					21892	
			999	9	Balance of county					99999	
163	000	2	999	9	Medina		325	5	0000		
164	000	2	999	9	Menard		327	9	0000		
165	203	1		Midland			329	3	5800		
			105	4	Midland, part					48072	
			114	4	Odessa, part					53388	
			999	9	Balance of county					99999	
166	000	2	999	9	Milam		331	6	0000		
167	000	2	999	9	Mills		333	9	0000		
168	000	2	999	9	Mitchell		335	9	0000		
169	000	2	999	9	Montague		337	6	0000		
170	127	1		Montgomery			339	2	3360		
			034	5	Conroe					16432	
			075	0	Houston, part					35000	
			999	9	Balance of county					99999	
171	000	2		Moore			341	6	0000		
			046	6	Dumas					21556	
			999	9	Balance of county					99999	
172	000	2	999	9	Morris		343	6	0000		
173	000	2	999	9	Motley		345	9	0000		
174	000	2		Nacogdoches			347	4	0000		
			110	5	Nacogdoches					50256	
			999	9	Balance of county					99999	
175	000	2		Navarro			349	5	0000		
			038	6	Corsicana					17060	
			999	9	Balance of county					99999	
176	000	2	999	9	Newton		351	6	0000		
177	000	2		Nolan			353	6	0000		
			150	6	Sweetwater					71540	
			999	9	Balance of county					99999	
178	065	1		Nueces			355	2	1880		
			037	2	Corpus Christi, part					17000	
			126	6	Portland, part					58904	
			131	6	Robstown					62600	
			999	9	Balance of county					99999	
179	000	2	999	9	Ochiltree		357	9	0000		
180	000	2	999	9	Oldham		359	9	0000		
181	025	1		Orange			361	4	0840		
			115	6	Orange					54132	
			253	4	Port Arthur, part					58820	
			163	6	Vidor					75476	
			999	9	Balance of county					99999	
182	000	2		Palo Pinto			363	5	0000		
			106	6	Mineral Wells, part					48684	
			999	9	Balance of county					99999	
183	000	2	999	9	Panola		365	6	0000		
184	103	1		Parker			367	4	2800		
			106	6	Mineral Wells, part					48684	
			167	6	Weatherford					76864	
			999	9	Balance of county					99999	
185	000	2	999	9	Parmer		369	6	0000		
186	000	2	999	9	Pecos		371	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX							TX				
187	000	2	999	9		Polk	373	5	0000		
188	009	1				Potter	375	3	0320		
			005	3		Amarillo, part				03000	
			999	9		Balance of county				99999	
189	000	2	999	9		Presidio	377	9	0000		
190	000	2	999	9		Rains	379	9	0000		
191	009	1				Randall	381	3	0320		
			005	3		Amarillo, part				03000	
			028	6		Canyon				12532	
			999	9		Balance of county				99999	
192	000	2	999	9		Reagan	383	9	0000		
193	000	2	999	9		Real	385	9	0000		
194	000	2	999	9		Red River	387	6	0000		
195	000	2	999	9		Reeves	389	6	0000		
196	000	2	999	9		Refugio	391	9	0000		
197	000	2	999	9		Roberts	393	9	0000		
198	000	2	999	9		Robertson	395	6	0000		
199	067	1				Rockwall	397	5	1920		
			039	0		Dallas, part				19000	
			063	3		Garland, part				29000	
			132	6		Rockwall				62828	
			135	5		Rowlett, part				63572	
			248	6		Wylie, part				80356	
			999	9		Balance of county				99999	
200	000	2	999	9		Runnels	399	6	0000		
201	000	2				Rusk	401	5	0000		
			073	6		Henderson				33212	
			083	6		Kilgore, part				39124	
			999	9		Balance of county				99999	
202	000	2	999	9		Sabine	403	6	0000		
203	000	2	999	9		San Augustine	405	9	0000		
204	000	2	999	9		San Jacinto	407	6	0000		
205	065	1				San Patricio	409	4	1880		
			037	2		Corpus Christi, part				17000	
			126	6		Portland, part				58904	
			999	9		Balance of county				99999	
206	000	2	999	9		San Saba	411	9	0000		
207	000	2	999	9		Schleicher	413	9	0000		
208	000	2				Scurry	415	6	0000		
			144	6		Snyder				68624	
			999	9		Balance of county				99999	
209	000	2	999	9		Shackelford	417	9	0000		
210	000	2	999	9		Shelby	419	5	0000		
211	000	2	999	9		Sherman	421	9	0000		
212	288	1				Smith	423	3	8640		
			157	4		Tyler				74144	
			999	9		Balance of county				99999	
213	000	2	999	9		Somervell	425	9	0000		
214	000	2				Starr	427	4	0000		
			234	6		Rio Grande City				62168	
			999	9		Balance of county				99999	
215	000	2	999	9		Stephens	429	9	0000		
216	000	2	999	9		Sterling	431	9	0000		
217	000	2	999	9		Stonewall	433	9	0000		
218	000	2	999	9		Sutton	435	9	0000		
219	000	2	999	9		Swisher	437	9	0000		
220	103	1				Tarrant	439	0	2800		
			008	2		Arlington				04000	
			015	5		Bedford				07132	
			019	6		Benbrook				07552	
			027	6		Burleson, part				11428	
			033	6		Colleyville				15988	
			053	5		Euless				24768	
			055	4		Flower Mound, part				26232	
			056	6		Forest Hill				26544	
			057	1		Fort Worth, part				27000	
			066	3		Grand Prairie, part				30464	
			067	5		Grapevine, part				30644	
			070	5		Haltom City				31928	
			078	5		Hurst				35576	
			081	5		Keller				38632	
			101	5		Mansfield, part				46452	
			113	4		North Richland Hills				52356	
			235	6		Saginaw				64112	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
TX				Texas			TX				
	220			Tarrant, con.				439	0	2800	
		237	6	Southlake, part						69032	
		165	6	Watauga						76672	
		170	6	White Settlement						78544	
		999	9	Balance of county						99999	
221	001	1		Taylor				441	3	0040	
		001	3	Abilene, part						01000	
		999	9	Balance of county						99999	
222	000	2		Terrell				443	9	0000	
223	000	2		Terry				445	6	0000	
224	000	2		Throckmorton				447	9	0000	
225	000	2		Titus				449	5	0000	
		109	6	Mount Pleasant						49800	
		999	9	Balance of county						99999	
226	247	1		Tom Green				451	3	7200	
		136	4	San Angelo						64472	
		999	9	Balance of county						99999	
227	019	1		Travis				453	1	0640	
		010	1	Austin, part						05000	
		240	5	Cedar Park, part						13552	
		233	6	Pflugerville, part						57176	
		134	4	Round Rock, part						63500	
		999	9	Balance of county						99999	
228	000	2		Trinity				455	6	0000	
229	000	2		Tyler				457	6	0000	
230	167	1		Upshur				459	5	4420	
231	000	2		Upton				461	9	0000	
232	000	2		Uvalde				463	5	0000	
		160	6	Uvalde						74588	
		999	9	Balance of county						99999	
233	000	2		Val Verde				465	5	0000	
		041	5	Del Rio						19792	
		999	9	Balance of county						99999	
234	000	2		Van Zandt				467	5	0000	
235	292	1		Victoria				469	4	8750	
		162	4	Victoria						75428	
		999	9	Balance of county						99999	
236	000	2		Walker				471	4	0000	
		077	5	Huntsville						35528	
		999	9	Balance of county						99999	
237	127	1		Waller				473	5	3360	
		243	6	Katy, part						38476	
		999	9	Balance of county						99999	
238	000	2		Ward				475	6	0000	
239	000	2		Washington				477	5	0000	
		022	6	Brenham						10156	
		999	9	Balance of county						99999	
240	157	1		Webb				479	3	4080	
		091	3	Laredo						41464	
		999	9	Balance of county						99999	
241	000	2		Wharton				481	5	0000	
		050	6	El Campo						22864	
		999	9	Balance of county						99999	
242	000	2		Wheeler				483	9	0000	
243	302	1		Wichita				485	3	9080	
		026	6	Burkburnett						11368	
		171	3	Wichita Falls						79000	
		999	9	Balance of county						99999	
244	000	2		Wilbarger				487	6	0000	
		161	6	Vernon						75308	
		999	9	Balance of county						99999	
245	000	2		Willacy				489	6	0000	
246	019	1		Williamson				491	3	0640	
		010	1	Austin, part						05000	
		222	5	Cedar Park, part						13552	
		065	5	Georgetown						29336	
		252	6	Pflugerville, part						57176	
		134	4	Round Rock, part						63500	
		151	6	Taylor						71948	
		999	9	Balance of county						99999	
247	248	1		Wilson				493	5	7240	
248	000	2		Winkler				495	9	0000	
249	000	2		Wise				497	5	0000	
250	000	2		Wood				499	5	0000	

Vital Statistics Codes
St Cnty P/MSA M/NM City P/S Area Names

FIPS Codes
St Cnty P/S P/MSA Place

Texas					TX				
TX	251	000	2	999	9	Yoakum	501	9	0000
	252	000	2	999	9	Young	503	6	0000
	253	000	2	999	9	Zapata	505	6	0000
	254	000	2	999	9	Zavala	507	6	0000

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
UT				Utah			UT				
001	000	2	999	9		Beaver		001	9	0000	
002	000	2				Box Elder		003	5	0000	
			003	6		Brigham City					08460
			999	9		Balance of county					99999
003	000	2				Cache		005	4	0000	
			009	5		Logan					45860
			999	9		Balance of county					99999
004	000	2	999	9		Carbon		007	6	0000	
005	000	2	999	9		Daggett		009	9	0000	
006	246	1				Davis		011	3	7160	
			002	5		Bountiful					07690
			005	6		Centerville					11980
			006	5		Clearfield					13850
			030	6		Clinton					14290
			032	6		Farmington					24740
			007	6		Kaysville					40360
			008	4		Layton					43660
			999	9		Balance of county					99999
007	000	2	999	9		Duchesne		013	6	0000	
008	000	2	999	9		Emery		015	6	0000	
009	000	2	999	9		Garfield		017	9	0000	
010	000	2	999	9		Grand		019	9	0000	
011	000	2				Iron		021	5	0000	
			004	6		Cedar City					11320
			999	9		Balance of county					99999
012	000	2	999	9		Juab		023	9	0000	
013	000	2	999	9		Kane		025	9	0000	
014	000	2	999	9		Millard		027	6	0000	
015	000	2	999	9		Morgan		029	9	0000	
016	000	2	999	9		Piute		031	9	0000	
017	000	2	999	9		Rich		033	9	0000	
018	246	1				Salt Lake		035	1	7160	
			031	5		Draper, part					20120
			033	6		Holladay					36070
			010	5		Midvale					49710
			011	5		Murray					53230
			017	5		Riverton					64340
			020	3		Salt Lake City					67000
			021	4		Sandy					67440
			022	5		South Jordan					70850
			024	6		South Salt Lake					71070
			036	4		Taylorsville					75360
			028	4		West Jordan					82950
			029	3		West Valley City					83470
			999	9		Balance of county					99999
019	000	2	999	9		San Juan		037	6	0000	
020	000	2	999	9		Sanpete		039	6	0000	
021	000	2	999	9		Sevier		041	6	0000	
022	000	2	999	9		Summit		043	5	0000	
023	000	2				Tooele		045	5	0000	
			027	6		Tooele					76680
			999	9		Balance of county					99999
024	000	2	999	9		Uintah		047	5	0000	
025	222	1				Utah		049	2	6520	
			001	6		American Fork					01310
			037	5		Draper, part					20120
			034	6		Lehi					44320
			014	4		Orem					57300
			035	6		Payson					58730
			015	6		Pleasant Grove					60930
			016	3		Provo					62470
			025	6		Spanish Fork					71290
			026	6		Springville					72280
			999	9		Balance of county					99999
026	000	2	999	9		Wasatch		051	6	0000	
027	000	2				Washington		053	4	0000	
			019	5		St. George					65330
			999	9		Balance of county					99999
028	000	2	999	9		Wayne		055	9	0000	
029	246	1				Weber		057	3	7160	
			012	6		North Ogden					55100
			013	4		Ogden					55980
			018	5		Roy					65110
			023	6		South Ogden					70960

Vital Statistics Geographic Code Outline For The United States Page 117
Effective With 2003 Data.

Vital Statistics Codes				FIPS Codes							
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
UT				Utah			UT				
029				Weber, con.			057	3	7160		
	999	9		Balance of county						99999	

Vital Statistics Codes							FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place	
VT							VT					
Vermont												
001	000	2	999	9		Addison	001	5	0000			
002	000	2	999	9		Bennington	003	5	0000			
003	000	2	999	9		Caledonia	005	5	0000			
004	044	1				Chittenden	007	3	1303			
			001	5		Burlington				10675		
			003	6		South Burlington				66175		
			999	9		Balance of county				99999		
005	000	2	999	9		Essex	009	9	0000			
006	044	1	999	9		Franklin	011	5	1303			
007	044	1	999	9		Grand Isle	013	9	1303			
008	000	2	999	9		Lamoille	015	6	0000			
009	000	2	999	9		Orange	017	5	0000			
010	000	2	999	9		Orleans	019	5	0000			
011	000	2				Rutland	021	4	0000			
			002	6		Rutland				61225		
			999	9		Balance of county				99999		
012	000	2	999	9		Washington	023	4	0000			
013	000	2	999	9		Windham	025	5	0000			
014	000	2	999	9		Windsor	027	4	0000			

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
VA				Virginia			VA				
001	000	2	999	9		Accomack	001	5	0000		
002	052	1	999	9		Albemarle	003	4	1540		
003	296	1	001	3		Alexandria city	510	3	8840	01000	
004	000	2	999	9		Alleghany	005	6	0000		
005	000	2	999	9		Amelia	007	6	0000		
006	171	1	999	9		Amherst	009	5	4640		
007	000	2	999	9		Appomattox	011	6	0000		
008	296	1	002	3		Arlington	013	3	8840	03000	
009	000	2	999	9		Augusta	015	4	0000		
010	000	2	999	9		Bath	017	9	0000		
011	171	1	999	9		Bedford	019	4	4640		
012	171	1	999	9		Bedford city	515	9	4640	99999	
013	000	2	999	9		Bland	021	9	0000		
014	234	1	999	9		Botetourt	023	5	6800		
015	140	1	004	6		Bristol city	520	6	3660	09816	
016	000	2	999	9		Brunswick	025	6	0000		
017	000	2	999	9		Buchanan	027	5	0000		
018	000	2	999	9		Buckingham	029	6	0000		
019	000	2	999	9		Buena Vista city	530	9	0000	99999	
020	171	1	999	9		Campbell	031	4	4640		
021	000	2	999	9		Caroline	033	6	0000		
022	000	2	999	9		Carroll	035	5	0000		
023	232	1	999	9		Charles City	036	9	6760		
024	000	2	999	9		Charlotte	037	6	0000		
025	052	1	005	5		Charlottesville city	540	5	1540	14968	
026	200	1	006	3		Chesapeake city	550	3	5720	16000	
027	232	1	999	9		Chesterfield	041	2	6760		
028	296	1	999	9		Clarke	043	6	8840		
030	232	1	008	6		Colonial Heights city	570	6	6760	18448	
031	000	2	999	9		Covington city	580	9	0000	99999	
032	000	2	999	9		Craig	045	9	0000		
033	296	1	999	9		Culpeper	047	5	8840		
034	000	2	999	9		Cumberland	049	9	0000		
035	068	1	009	5		Danville city	590	5	1950	21344	
036	000	2	999	9		Dickenson	051	6	0000		
037	232	1	999	9		Dinwiddie	053	6	6760		
038	000	2	999	9		Emporia city	595	9	0000	99999	
039	000	2	999	9		Essex	057	9	0000		
040	296	1				Fairfax	059	1	8840		
			015	6		Herndon				36648	
			032	6		Vienna				81072	
			999	9		Balance of county				99999	
041	296	1	010	6		Fairfax city	600	6	8840	26496	
042	296	1	037	6		Falls Church city	610	6	8840	27200	
042	296	1	037	6		Falls Church city	610	6	8840	27200	
043	296	1	999	9		Fauquier	061	4	8840		
044	000	2	999	9		Floyd	063	6	0000		
045	052	1	999	9		Fluvanna	065	6	1540		
046	000	2	999	9		Franklin	067	5	0000		
047	000	2	999	9		Franklin city	620	9	0000	99999	
048	000	2	999	9		Frederick	069	4	0000		
049	296	1	011	6		Fredericksburg city	630	6	8840	29744	
050	000	2	999	9		Galax city	640	9	0000	99999	
051	000	2	999	9		Giles	071	6	0000		
052	200	1	999	9		Gloucester	073	5	5720		
053	232	1	999	9		Goochland	075	6	6760		
054	000	2	999	9		Grayson	077	6	0000		
055	052	1	999	9		Greene	079	6	1540		
056	000	2	999	9		Greenville	081	6	0000		
057	000	2	999	9		Halifax	083	5	0000		
057	000	2	999	9		South Boston city	083	5	0000	99999	
058	200	1	013	3		Hampton city	650	3	5720	35000	
059	232	1	999	9		Hanover	085	4	6760		
060	000	2	014	5		Harrisonburg city	660	5	0000	35624	
061	232	1	999	9		Henrico	087	2	6760		
062	000	2	999	9		Henry	089	4	0000		
063	000	2	999	9		Highland	091	9	0000		
064	232	1	016	6		Hopewell city	670	6	6760	38424	
065	200	1	999	9		Isle of Wight	093	5	5720		
066	200	1	999	9		James City	095	5	5720		
067	000	2	999	9		King and Queen	097	9	0000		
068	296	1	999	9		King George	099	6	8840		
069	000	2	999	9		King William	101	6	0000		
070	000	2	999	9		Lancaster	103	6	0000		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
VA							VA				
071	000	2	999	9		Lee	105	6	0000		
072	000	2	999	9		Lexington city	678	9	0000	99999	
073	296	1				Loudoun	107	3	8840		
			017	5		Leesburg				44984	
			999	9		Balance of county				99999	
074	000	2	999	9		Louisa	109	5	0000		
075	000	2	999	9		Lunenburg	111	6	0000		
076	171	1	018	4		Lynchburg city	680	4	4640	47672	
077	000	2	999	9		Madison	113	6	0000		
078	296	1	019	5		Manassas city	683	5	8840	48952	
079	296	1	038	6		Manassas Park city	685	6	8840	48968	
079	296	1	038	6		Manassas Park city	685	6	8840	48968	
080	000	2	020	6		Martinsville city	690	6	0000	49784	
081	200	1	999	9		Mathews	115	9	5720		
082	000	2	999	9		Mecklenburg	117	5	0000		
083	000	2	999	9		Middlesex	119	9	0000		
084	000	2				Montgomery	121	4	0000		
			003	5		Blacksburg				07784	
			007	6		Christiansburg				16608	
			999	9		Balance of county				99999	
085	000	2	999	9		Nelson	125	6	0000		
086	232	1	999	9		New Kent	127	6	6760		
087	200	1	021	3		Newport News city	700	3	5720	56000	
088	200	1	022	3		Norfolk city	710	3	5720	57000	
089	000	2	999	9		Northampton	131	6	0000		
090	000	2	999	9		Northumberland	133	6	0000		
091	000	2	999	9		Norton city	720	9	0000	99999	
092	000	2	999	9		Nottoway	135	6	0000		
093	000	2	999	9		Orange	137	5	0000		
094	000	2	999	9		Page	139	6	0000		
095	000	2	999	9		Patrick	141	6	0000		
096	232	1	023	5		Petersburg city	730	5	6760	61832	
097	068	1	999	9		Pittsylvania	143	4	1950		
098	200	1	024	6		Poquoson city	735	6	5720	63768	
099	200	1	025	3		Portsmouth city	740	3	5720	64000	
100	232	1	999	9		Powhatan	145	6	6760		
101	000	2	999	9		Prince Edward	147	6	0000		
102	232	1	999	9		Prince George	149	5	6760		
103	296	1	999	9		Prince William	153	2	8840		
104	000	2	999	9		Pulaski	155	5	0000		
105	000	2	026	6		Radford city	750	6	0000	65392	
106	000	2	999	9		Rappahannock	157	9	0000		
107	000	2	999	9		Richmond	159	9	0000		
108	232	1	027	3		Richmond city	760	3	6760	67000	
109	234	1	999	9		Roanoke	161	4	6800		
110	234	1	028	4		Roanoke city	770	4	6800	68000	
111	000	2	999	9		Rockbridge	163	6	0000		
112	000	2	999	9		Rockingham	165	4	0000		
113	000	2	999	9		Russell	167	5	0000		
114	234	1	029	6		Salem city	775	6	6800	70000	
115	140	1	999	9		Scott	169	6	3660		
116	000	2	999	9		Shenandoah	171	5	0000		
117	000	2	999	9		Smyth	173	5	0000		
118	000	2	999	9		Southampton	175	6	0000		
120	296	1	999	9		Spotsylvania	177	4	8840		
121	296	1	999	9		Stafford	179	4	8840		
122	000	2	030	6		Staunton city	790	6	0000	75216	
123	200	1	031	4		Suffolk city	800	4	5720	76432	
124	000	2	999	9		Surry	181	9	0000		
125	000	2	999	9		Sussex	183	6	0000		
126	000	2	999	9		Tazewell	185	5	0000		
127	200	1	033	2		Virginia Beach city	810	2	5720	82000	
128	296	1				Warren	187	5	8840		
			012	6		Front Royal				29968	
			999	9		Balance of county				99999	
129	140	1	999	9		Washington	191	4	3660		
130	000	2	034	6		Waynesboro city	820	6	0000	83680	
131	000	2	999	9		Westmoreland	193	6	0000		
132	200	1	035	6		Williamsburg city	830	6	5720	86160	
133	000	2	036	6		Winchester city	840	6	0000	86720	
134	000	2	999	9		Wise	195	5	0000		
135	000	2	999	9		Wythe	197	5	0000		
136	200	1	999	9		York	199	4	5720		

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WA						Washington	WA				
001	000	2	999	9		Adams	001	6	0000		
002	000	2	999	9		Asotin	003	6	0000		
003	231	1				Benton	005	3	6740		
			014	4		Kennewick				35275	
			033	5		Richland				58235	
			999	9		Balance of county				99999	
004	000	2				Chelan	007	4	0000		
			041	5		Wenatchee				77105	
			999	9		Balance of county				99999	
005	000	2				Clallam	009	4	0000		
			028	6		Port Angeles				55365	
			999	9		Balance of county				99999	
006	220	1				Clark	011	2	6440		
			047	6		Camas				09480	
			039	3		Vancouver				74060	
			999	9		Balance of county				99999	
007	000	2	999	9		Columbia	013	9	0000		
008	000	2				Cowlitz	015	4	0000		
			013	6		Kelso				35065	
			018	5		Longview				40245	
			999	9		Balance of county				99999	
009	000	2	999	9		Douglas	017	5	0000		
010	000	2	999	9		Ferry	019	9	0000		
011	231	1				Franklin	021	5	6740		
			027	5		Pasco				53545	
			999	9		Balance of county				99999	
012	000	2	999	9		Garfield	023	9	0000		
013	000	2				Grant	025	4	0000		
			022	6		Moses Lake				47245	
			999	9		Balance of county				99999	
014	000	2				Grays Harbor	027	4	0000		
			001	6		Aberdeen				00100	
			999	9		Balance of county				99999	
015	260	1				Island	029	4	7600		
			025	6		Oak Harbor				50360	
			999	9		Balance of county				99999	
016	000	2	999	9		Jefferson	031	5	0000		
017	260	1				King	033	0	7600		
			003	5		Auburn, part				03180	
			004	3		Bellevue				05210	
			006	5		Bothell, part				07380	
			046	5		Burien				08850	
			048	6		Covington				15290	
			009	5		Des Moines				17635	
			049	6		Enumclaw, part				22045	
			050	4		Federal Way				23515	
			051	6		Issaquah				33805	
			052	6		Kenmore				35170	
			015	4		Kent				35415	
			016	5		Kirkland				35940	
			053	6		Lake Forest Park				37270	
			055	6		Maple Valley				43150	
			021	6		Mercer Island				45005	
			031	5		Redmond				57535	
			032	4		Renton				57745	
			059	5		Sammamish				61115	
			060	5		Sea-Tac				62288	
			034	1		Seattle				63000	
			061	4		Shoreline				63960	
			038	6		Tukwila				72625	
			999	9		Balance of county				99999	
018	040	1				Kitsap	035	3	1150		
			045	6		Bainbridge Island				03736	
			007	5		Bremerton				07695	
			999	9		Balance of county				99999	
019	000	2				Kittitas	037	5	0000		
			011	6		Ellensburg				21240	
			999	9		Balance of county				99999	
020	000	2	999	9		Klickitat	039	6	0000		
021	000	2				Lewis	041	4	0000		
			008	6		Centralia				11160	
			999	9		Balance of county				99999	
022	000	2	999	9		Lincoln	043	6	0000		
023	000	2	999	9		Mason	045	5	0000		

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WA						Washington	WA				
	024	000	2	999	9	Okanogan		047	5	0000	
	025	000	2	999	9	Pacific		049	6	0000	
	026	000	2	999	9	Pend Oreille		051	6	0000	
	027	277	1			Pierce		053	1	8200	
				065	5	Auburn, part					03180
				064	6	Enumclaw, part					22045
				054	4	Lakewood					38038
				030	5	Puyallup					56695
				037	3	Tacoma					70000
				063	5	University Place					
						73465					
				999	9	Balance of county					99999
	028	000	2	999	9	San Juan		055	6	0000	
	029	000	2			Skagit		057	3	0000	
				002	6	Anacortes					01990
				024	5	Mount Vernon					47560
				999	9	Balance of county					99999
	030	000	2	999	9	Skamania		059	9	0000	
	031	260	1			Snohomish		061	1	7600	
				044	6	Arlington					02585
				006	5	Bothell, part					07380
				010	5	Edmonds					20750
				012	4	Everett					22640
				019	5	Lynnwood					40840
				020	5	Marysville					43955
				056	6	Mill Creek					45865
				057	6	Monroe					46685
				023	6	Mountlake Terrace					47490
				058	6	Mukilteo					47735
				999	9	Balance of county					99999
	032	268	1			Spokane		063	2	7840	
				035	3	Spokane					67000
				999	9	Balance of county					99999
	033	000	2	999	9	Stevens		065	5	0000	
	034	205	1			Thurston		067	3	5910	
				017	5	Lacey					36745
				026	5	Olympia					51300
				062	6	Tumwater					72905
				999	9	Balance of county					99999
	035	000	2	999	9	Wahkiakum		069	9	0000	
	036	000	2			Walla Walla		071	4	0000	
				040	5	Walla Walla					75775
				999	9	Balance of county					99999
	037	026	1			Whatcom		073	3	0860	
				005	4	Bellingham					05280
				999	9	Balance of county					99999
	038	000	2			Whitman		075	5	0000	
				029	6	Pullman					56625
				999	9	Balance of county					99999
	039	306	1			Yakima		077	3	9260	
				036	6	Sunnyside					68750
				042	4	Yakima					80010
				999	9	Balance of county					99999

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WV				West Virginia							
001	000	2	999	9		Barbour	WV	001	6	0000	
002	296	1				Berkeley		003	4	8840	
			007	6		Martinsburg				52060	
			999	9		Balance of county				99999	
003	000	2	999	9		Boone		005	5	0000	
004	000	2	999	9		Braxton		007	6	0000	
005	273	1				Brooke		009	5	8080	
			014	6		Weirton, part				85156	
			999	9		Balance of county				99999	
006	128	1				Cabell		011	4	3400	
			006	4		Huntington, part				39460	
			999	9		Balance of county				99999	
007	000	2	999	9		Calhoun		013	9	0000	
008	000	2	999	9		Clay		015	6	0000	
009	000	2	999	9		Doddridge		017	9	0000	
010	000	2	999	9		Fayette		019	5	0000	
011	000	2	999	9		Gilmer		021	9	0000	
012	000	2	999	9		Grant		023	6	0000	
013	000	2	999	9		Greenbrier		025	5	0000	
014	000	2	999	9		Hampshire		027	6	0000	
015	273	1				Hancock		029	5	8080	
			014	6		Weirton, part				85156	
			999	9		Balance of county				99999	
016	000	2	999	9		Hardy		031	6	0000	
017	000	2				Harrison		033	4	0000	
			004	6		Clarksburg				15628	
			999	9		Balance of county				99999	
018	000	2	999	9		Jackson		035	5	0000	
019	296	1	999	9		Jefferson		037	5	8840	
020	050	1				Kanawha		039	3	1480	
			003	4		Charleston				14600	
			011	6		St. Albans				71212	
			012	6		South Charleston				75292	
			999	9		Balance of county				99999	
021	000	2	999	9		Lewis		041	6	0000	
022	000	2	999	9		Lincoln		043	6	0000	
023	000	2	999	9		Logan		045	5	0000	
024	000	2	999	9		McDowell		047	5	0000	
025	000	2				Marion		049	4	0000	
			005	6		Fairmont				26452	
			999	9		Balance of county				99999	
026	300	1				Marshall		051	5	9000	
			015	5		Wheeling, part				86452	
			999	9		Balance of county				99999	
027	000	2	999	9		Mason		053	5	0000	
028	000	2				Mercer		055	4	0000	
			002	6		Bluefield				08524	
			999	9		Balance of county				99999	
029	066	1	999	9		Mineral		057	5	1900	
030	000	2	999	9		Mingo		059	5	0000	
031	000	2				Monongalia		061	4	0000	
			008	5		Morgantown				55756	
			999	9		Balance of county				99999	
032	000	2	999	9		Monroe		063	6	0000	
033	000	2	999	9		Morgan		065	6	0000	
034	000	2	999	9		Nicholas		067	5	0000	
035	300	1				Ohio		069	5	9000	
			015	5		Wheeling, part				86452	
			999	9		Balance of county				99999	
036	000	2	999	9		Pendleton		071	9	0000	
037	000	2	999	9		Pleasants		073	9	0000	
038	000	2	999	9		Pocahontas		075	9	0000	
039	000	2	999	9		Preston		077	5	0000	
040	050	1	999	9		Putnam		079	4	1480	
041	000	2				Raleigh		081	4	0000	
			001	6		Beckley				05332	
			999	9		Balance of county				99999	
042	000	2	999	9		Randolph		083	5	0000	
043	000	2	999	9		Ritchie		085	6	0000	
044	000	2	999	9		Roane		087	6	0000	
045	000	2	999	9		Summers		089	6	0000	
046	000	2	999	9		Taylor		091	6	0000	
047	000	2	999	9		Tucker		093	9	0000	
048	000	2	999	9		Tyler		095	9	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WV				West Virginia			WV				
049	000	2	999	9		Upshur		097	6	0000	
050	128	1				Wayne		099	5	3400	
			006	4		Huntington, part					39460
				999	9	Balance of county					99999
051	000	2	999	9		Webster		101	9	0000	
052	000	2	999	9		Wetzel		103	6	0000	
053	000	2	999	9		Wirt		105	9	0000	
054	211	1				Wood		107	4	6020	
			010	5		Parkersburg					62140
			013	6		Vienna					83500
				999	9	Balance of county					99999
055	000	2	999	9		Wyoming		109	5	0000	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WI											
						Wisconsin					
001	000	2	999	9		Adams	001	6	0000		
002	000	2	999	9		Ashland	003	6	0000		
003	000	2	999	9		Barron	005	5	0000		
004	000	2	999	9		Bayfield	007	6	0000		
005	115	1				Brown	009	3	3080		
			001	6		Allouez village				01150	
			003	6		Ashwaubenon village				03425	
			011	6		De Pere				19775	
			019	3		Green Bay				31000	
			076	6		Howard village, part				35950	
			999	9		Balance of county				99999	
006	000	2	999	9		Buffalo	011	6	0000		
007	000	2	999	9		Burnett	013	6	0000		
008	013	1				Calumet	015	5	0460		
			002	4		Appleton, part				02375	
			030	6		Menasha, part				50825	
			999	9		Balance of county				99999	
009	082	1				Chippewa	017	4	2290		
			009	6		Chippewa Falls				14575	
			012	4		Eau Claire, part				22300	
			999	9		Balance of county				99999	
010	000	2	999	9		Clark	019	5	0000		
011	000	2	999	9		Columbia	021	4	0000		
012	000	2	999	9		Crawford	023	6	0000		
013	173	1				Dane	025	2	4720		
			013	6		Fitchburg				25950	
			026	3		Madison				48000	
			034	6		Middleton				51575	
			083	6		Stoughton				77675	
			051	6		Sun Prairie				78600	
			999	9		Balance of county				99999	
014	000	2				Dodge	027	4	0000		
			004	6		Beaver Dam				05900	
			086	6		Hartford, part				33000	
			054	6		Watertown, part				83975	
			084	6		Waupun, part				84425	
			999	9		Balance of county				99999	
015	000	2	999	9		Door	029	5	0000		
016	080	1				Douglas	031	5	2240		
			052	5		Superior				78650	
			999	9		Balance of county				99999	
017	000	2				Dunn	033	5	0000		
			032	6		Menomonie				51025	
			999	9		Balance of county				99999	
018	082	1				Eau Claire	035	4	2290		
			012	4		Eau Claire, part				22300	
			999	9		Balance of county				99999	
019	000	2	999	9		Florence	037	9	0000		
020	000	2				Fond du Lac	039	4	0000		
			014	5		Fond du Lac				26275	
			087	6		Waupun, part				84425	
			999	9		Balance of county				99999	
021	000	2	999	9		Forest	041	6	0000		
022	000	2	999	9		Grant	043	5	0000		
023	000	2				Green	045	5	0000		
			036	6		Monroe				53750	
			999	9		Balance of county				99999	
024	000	2	999	9		Green Lake	047	6	0000		
025	000	2	999	9		Iowa	049	6	0000		
026	000	2	999	9		Iron	051	9	0000		
027	000	2	999	9		Jackson	053	6	0000		
028	000	2				Jefferson	055	4	0000		
			015	6		Fort Atkinson				26675	
			054	6		Watertown, part				83975	
			061	6		Whitewater, part				86925	
			999	9		Balance of county				99999	
029	000	2	999	9		Juneau	057	6	0000		
030	146	1				Kenosha	059	3	3800		
			024	4		Kenosha				39225	
			044	6		Pleasant Prairie village				63300	
			999	9		Balance of county				99999	
031	000	2	999	9		Kewaunee	061	6	0000		
032	150	1				La Crosse	063	3	3870		
			025	4		La Crosse				40775	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WI						Wisconsin	WI				
	032					La Crosse, con.		063	3	3870	
		042	6			Onalaska				59925	
		999	9			Balance of county				99999	
	033	000	2	999	9	Lafayette		065	6	0000	
	034	000	2	999	9	Langlade		067	6	0000	
	035	000	2			Lincoln		069	5	0000	
		079	6			Merrill				51250	
		999	9			Balance of county				99999	
	036	000	2			Manitowoc		071	4	0000	
		027	5			Manitowoc				48500	
		053	6			Two Rivers				81325	
		999	9			Balance of county				99999	
	037	298	1			Marathon		073	3	8940	
		029	6			Marshfield, part				49675	
		056	5			Wausau				84475	
		085	6			Weston				86025	
		999	9			Balance of county				99999	
	038	000	2			Marinette		075	5	0000	
		028	6			Marinette				49300	
		999	9			Balance of county				99999	
	039	000	2	999	9	Marquette		077	6	0000	
	040	000	2	999	9	Menominee		078	9	0000	
	041	182	1			Milwaukee		079	1	5080	
		007	6			Brown Deer village				10375	
		010	6			Cudahy				17975	
		016	5			Franklin				27300	
		018	6			Glendale				29400	
		020	6			Greendale village				31125	
		021	5			Greenfield				31175	
		035	1			Milwaukee, part				53000	
		040	5			Oak Creek				58800	
		048	6			Shorewood village				73725	
		049	6			South Milwaukee				75125	
		057	5			Wauwatosa				84675	
		058	4			West Allis				85300	
		060	6			Whitefish Bay village				86700	
		999	9			Balance of county				99999	
	042	000	2	999	9	Monroe		081	5	0000	
	043	000	2	999	9	Oconto		083	5	0000	
	044	000	2	999	9	Oneida		085	5	0000	
	045	013	1			Outagamie		087	3	0460	
		002	4			Appleton, part				02375	
		088	6			Howard village, part				35950	
		023	6			Kaukauna				38800	
		077	6			Little Chute village				44950	
		999	9			Balance of county				99999	
	046	182	1			Ozaukee		089	4	5080	
		008	6			Cedarburg				13375	
		074	6			Grafton village				30000	
		033	6			Mequon				51150	
		082	6			Port Washington				64450	
		999	9			Balance of county				99999	
	047	000	2	999	9	Pepin		091	9	0000	
	048	183	1			Pierce		093	5	5120	
		046	6			River Falls, part				68275	
		999	9			Balance of county				99999	
	049	000	2	999	9	Polk		095	5	0000	
	050	000	2			Portage		097	4	0000	
		081	6			Plover village				63525	
		050	6			Stevens Point				77200	
		999	9			Balance of county				99999	
	051	000	2	999	9	Price		099	6	0000	
	052	225	1			Racine		101	3	6600	
		045	4			Racine				66000	
		999	9			Balance of county				99999	
	053	000	2	999	9	Richland		103	6	0000	
	054	138	1			Rock		105	3	3620	
		005	5			Beloit				06500	
		022	4			Janesville				37825	
		999	9			Balance of county				99999	
	055	000	2	999	9	Rusk		107	6	0000	
	056	183	1			St. Croix		109	4	5120	
		046	6			River Falls, part				68275	
		999	9			Balance of county				99999	

Vital Statistics Codes						FIPS Codes					
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WI						Wisconsin	WI				
	057	000	2			Sauk		111	4	0000	
				073	6	Baraboo				04625	
				999	9	Balance of county				99999	
	058	000	2	999	9	Sawyer		113	6	0000	
	059	000	2	999	9	Shawano		115	5	0000	
	060	262	1			Sheboygan		117	3	7620	
				047	4	Sheboygan				72975	
				999	9	Balance of county				99999	
	061	000	2	999	9	Taylor		119	6	0000	
	062	000	2	999	9	Trempealeau		121	5	0000	
	063	000	2	999	9	Vernon		123	5	0000	
	064	000	2	999	9	Villas		125	6	0000	
	065	000	2			Walworth		127	4	0000	
				061	6	Whitewater, part				86925	
				999	9	Balance of county				99999	
	066	000	2	999	9	Washburn		129	6	0000	
	067	182	1			Washington		131	3	5080	
				017	6	Germantown village				28875	
				075	6	Hartford, part				33000	
				035	1	Milwaukee, part				53000	
				059	5	West Bend				85350	
				999	9	Balance of county				99999	
	068	182	1			Waukesha		133	2	5080	
				006	5	Brookfield				10025	
				031	5	Menomonee Falls village				51000	
				035	1	Milwaukee, part				53000	
				037	6	Muskego				55275	
				039	5	New Berlin				56375	
				041	6	Oconomowoc				59250	
				080	6	Pewaukee				62240	
				055	4	Waukesha				84250	
				999	9	Balance of county				99999	
	069	000	2	999	9	Waupaca		135	4	0000	
	070	000	2	999	9	Waushara		137	6	0000	
	071	013	1			Winnebago		139	3	0460	
				002	4	Appleton, part				02375	
				030	6	Menasha, part				50825	
				078	6	Menasha town				50850	
				038	6	Neenah				55750	
				043	4	Oshkosh				60500	
				999	9	Balance of county				99999	
	072	000	2			Wood		141	4	0000	
				029	6	Marshfield, part				49675	
				062	6	Wisconsin Rapids				88200	
				999	9	Balance of county				99999	

Vital Statistics Codes							FIPS Codes				
St	Cnty	P/MSA	M/NM	City	P/S	Area Names	St	Cnty	P/S	P/MSA	Place
WY				Wyoming			WY				
001	000	2		Albany			001	5	0000		
			006	5	Laramie					45050	
			999	9	Balance of county					99999	
002	000	2	999	9	Big Horn		003	6	0000		
003	000	2		Campbell			005	5	0000		
			004	6	Gillette					31855	
			999	9	Balance of county					99999	
004	000	2	999	9	Carbon		007	6	0000		
005	000	2	999	9	Converse		009	6	0000		
006	000	2	999	9	Crook		011	9	0000		
007	000	2	999	9	Fremont		013	5	0000		
008	000	2	999	9	Goshen		015	6	0000		
009	000	2	999	9	Hot Springs		017	9	0000		
010	000	2	999	9	Johnson		019	9	0000		
011	054	1		Laramie			021	4	1580		
			002	4	Cheyenne					13900	
			999	9	Balance of county					99999	
012	000	2	999	9	Lincoln		023	6	0000		
013	046	1		Natrona			025	4	1350		
			001	5	Casper					13150	
			999	9	Balance of county					99999	
014	000	2	999	9	Niobrara		027	9	0000		
015	000	2	999	9	Park		029	5	0000		
016	000	2	999	9	Platte		031	9	0000		
017	000	2		Sheridan			033	5	0000		
			008	6	Sheridan					69845	
			999	9	Balance of county					99999	
018	000	2	999	9	Sublette		035	9	0000		
019	000	2		Sweetwater			037	5	0000		
			005	6	Green River					33740	
			007	6	Rock Springs					67235	
			999	9	Balance of county					99999	
020	000	2	999	9	Teton		039	6	0000		
021	000	2		Uinta			041	6	0000		
			003	6	Evanston					25620	
			999	9	Balance of county					99999	
022	000	2	999	9	Washakie		043	9	0000		
023	000	2	999	9	Weston		045	9	0000		

List of Primary Metropolitan Statistical Areas
and their Component Counties
For the United States and Puerto Rico

Primary and Metropolitan Statistical Areas Established in 1990
 Effective with 2002 and Adapted for Use by DVS
 United States
 Puerto Rico

Vital Statistics Codes				FIPS Codes		
P/MSA	State	County	P/MSA Name and County Components	P/MSA	State	Cnty
001	TX		Abilene, TX, MSA Texas 221 Taylor	0040	TX	441
002	OH		Akron, OH, PMSA Ohio 067 Portage 077 Summit	0080	OH	133 153
003	GA		Albany, GA, MSA Georgia 047 Dougherty 088 Lee	0120	GA	095 177
004	NY		Albany-Schenectady-Troy, NY, MSA New York 001 Albany 027 Montgomery 039 Rensselaer 042 Saratoga 043 Schenectady 044 Schoharie	0160	NY	001 057 083 091 093 095
005	NM		Albuquerque, NM, MSA New Mexico 001 Bernalillo 024 Sandoval 033 Valencia	0200	NM	001 043 061
006	LA		Alexandria, LA, MSA Louisiana 040 Rapides	0220	LA	079
007	PA		Allentown-Bethlehem-Easton, PA, MSA Pennsylvania 013 Carbon 039 Lehigh 048 Northampton	0240	PA	025 077 095
008	PA		Altoona, PA, MSA Pennsylvania 007 Blair	0280	PA	013
009	TX		Amarillo, TX, MSA Texas 188 Potter 191 Randall	0320	TX	375 381
010	AK		Anchorage, AK, MSA Alaska 003 Anchorage	0380	AK	020
011	MI		Ann Arbor, MI, PMSA Michigan 046 Lenawee 047 Livingston 081 Washtenaw	0440	MI	091 093 161

Primary and Metropolitan Statistical Areas Established in 1990
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012	AL	Anniston, AL, MSA	0450	AL
		Alabama		
	008	Calhoun		015
013	WI	Appleton-Oshkosh-Neenah, WI, MSA	0460	WI
		Wisconsin		
	008	Calumet		015
	045	Outagamie		087
	071	Winnebago		139
014	NC	Asheville, NC, MSA	0480	NC
		North Carolina		
	011	Buncombe		021
	058	Madison		115
015	GA	Athens, GA, MSA	0500	GA
		Georgia		
	029	Clarke		059
	097	Madison		195
	108	Ocnee		219
016	GA	Atlanta, GA, MSA	0520	GA
		Georgia		
	007	Barrow		013
	008	Bartow		015
	022	Carroll		045
	028	Cherokee		057
	031	Clayton		063
	033	Cobb		067
	038	Coweta		077
	044	De Kalb		089
	048	Douglas		097
	056	Fayette		113
	058	Forsyth		117
	060	Fulton		121
	067	Gwinnett		135
	075	Henry		151
	107	Newton		217
	110	Paulding		223
	112	Pickens		227
	122	Rockdale		247
	126	Spalding		255
	147	Walton		297
017	NJ	Atlantic-Cape May, NJ, PMSA	0560	NJ
		New Jersey		
	001	Atlantic		001
	005	Cape May		009
018	GA	Augusta-Aiken, GA-SC, MSA	0600	GA
		Georgia		
	036	Columbia		073
	094	McDuffie		189
	121	Richmond		245
	SC	South Carolina		SC
	002	Aiken		003
	019	Edgefield		037
019	TX	Austin-San Marcos, TX, MSA	0640	TX
		Texas		
	011	Bastrop		021
	028	Caldwell		055
	105	Hays		209
	227	Travis		453
	246	Williamson		491

Primary and Metropolitan Statistical Areas Established in 1990
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 Puerto Rico - con.

020	CA	Bakersfield, CA, MSA California Kern	0680	CA	029
021	MD	Baltimore, MD, PMSA Maryland 002 Anne Arundel 003 Baltimore 004 Baltimore city 007 Carroll 013 Harford 014 Howard 018 Queen Anne's	0720	MD	003 005 510 013 025 027 035
022	ME	Bangor, ME, NECMA Maine Penobscot	0733	ME	019
023	MA	Barnstable-Yarmouth, MA, NECMA Massachusetts 001 Barnstable	0743	MA	001
024	LA	Baton Rouge, LA, MSA Louisiana 003 Ascension 017 East Baton Rouge 032 Livingston 061 West Baton Rouge	0760	LA	005 033 063 121
025	TX	Beaumont-Port Arthur, TX, MSA Texas 100 Hardin 123 Jefferson 181 Orange	0840	TX	199 245 361
026	WA	Bellingham, WA, MSA Washington 037 Whatcom	0860	WA	073
027	MI	Benton Harbor, MI, MSA Michigan 011 Berrien	0870	MI	021
028	NJ	Bergen-Passaic, NJ, PMSA New Jersey 002 Bergen 016 Passaic	0875	NJ	003 031
029	MT	Billings, MT, MSA Montana 056 Yellowstone	0880	MT	111
030	MS	Biloxi-Gulfport-Pascagoula, MS, MSA Mississippi 023 Hancock 024 Harrison 030 Jackson	0920	MS	045 047 059
031	NY	Binghamton, NY, MSA New York 003 Broome 050 Tioga	0960	NY	007 107

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032		Birmingham, AL, MSA	1000	
	AL	Alabama		AL
	005	Blount	009	
	037	Jefferson	073	
	058	St. Clair	115	
	059	Shelby	117	
033		Bismarck, ND, MSA	1010	
	ND	North Dakota		ND
	008	Burleigh	015	
	030	Morton	059	
034		Bloomington, IN, MSA	1020	
	IN	Indiana		IN
	053	Monroe	105	
035		Bloomington-Normal, IL, MSA	1040	
	IL	Illinois		IL
	057	McLean	113	
036		Boise City, ID, MSA	1080	
	ID	Idaho		ID
	001	Ada	001	
	014	Canyon	027	
037		Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH	1123	
	MA	Massachusetts		MA
	003	Bristol	005	
	005	Essex	009	
	009	Middlesex	017	
	011	Norfolk	021	
	012	Plymouth	023	
	013	Suffolk	025	
	014	Worcester	027	
	NH	New Hampshire		NH
	006	Hillsborough	011	
	008	Rockingham	015	
	009	Strafford	017	
038		Boulder-Longmont, CO, PMSA	1125	
	CO	Colorado		CO
	007	Boulder	013	
039		Brazoria, TX, PMSA	1145	
	TX	Texas		TX
	020	Brazoria	039	
040		Bremerton, WA, PMSA	1150	
	WA	Washington		WA
	018	Kitsap	035	
041		Brownsville-Harlingen-San Benito, TX, MSA	1240	
	TX	Texas		TX
	031	Cameron	061	
042		Bryan-College Station, TX, MSA	1260	
	TX	Texas		TX
	021	Brazos	041	
043		Buffalo-Niagara Falls, NY, MSA	1280	
	NY	New York		NY
	014	Erie	029	
	030	Niagara	063	

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044		Burlington, VT, NECMA	1303	
	VT	Vermont		VT
	004	Chittenden		007
	006	Franklin		011
	007	Grand Isle		013
045	OH	Canton-Massillon, OH, MSA	1320	OH
		Ohio		
	010	Carroll		019
	076	Stark		151
046	WY	Casper, WY, MSA	1350	WY
		Wyoming		
	013	Natrona		025
047	IA	Cedar Rapids, IA, MSA	1360	IA
		Iowa		
	057	Linn		113
048	IL	Champaign-Urbana, IL, MSA	1400	IL
		Illinois		
	010	Champaign		019
049	SC	Charleston-North Charleston, SC, MSA	1440	SC
		South Carolina		
	008	Berkeley		015
	010	Charleston		019
	018	Dorchester		035
050	WV	Charleston, WV, MSA	1480	WV
		West Virginia		
	020	Kanawha		039
	040	Putnam		079
051	NC	Charlotte-Gastonia-Rock Hill, NC-SC, MSA	1520	NC
		North Carolina		
	013	Cabarrus		025
	036	Gaston		071
	055	Lincoln		109
	060	Mecklenburg		119
	080	Rowan		159
	090	Union		179
	SC	South Carolina		SC
	046	York		091
052	VA	Charlottesville, VA, MSA	1540	VA
		Virginia		
	002	Albemarle		003
	025	Charlottesville city		540
	045	Fluvanna		065
	055	Greene		079
053	GA	Chattanooga, TN-GA, MSA	1560	GA
		Georgia		
	023	Catoosa		047
	041	Dade		083
	146	Walker		295
	TN	Tennessee		TN
	033	Hamilton		065
	058	Marion		115
054	WY	Cheyenne, WY, MSA	1580	WY
		Wyoming		
	011	Laramie		021

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055		Chicago, IL, PMSA	1600	
	IL	Illinois		IL
	016	Cook		031
	019	De Kalb		037
	022	Du Page		043
	032	Grundy		063
	045	Kane		089
	047	Kendall		093
	049	Lake		097
	056	McHenry		111
	099	Will		197
056		Chico-Paradise, CA, MSA	1620	
	CA	California		CA
	004	Butte		007
057		Cincinnati, OH-KY-IN, PMSA	1640	
	IN	Indiana		IN
	015	Dearborn		029
	058	Ohio		115
	KY	Kentucky		KY
	008	Boone		015
	019	Campbell		037
	039	Gallatin		077
	041	Grant		081
	059	Kenton		117
	096	Pendleton		191
	OH	Ohio		OH
	008	Brown		015
	013	Clermont		025
	031	Hamilton		061
	083	Warren		165
058		Clarksville-Hopkinsville, TN-KY, MSA	1660	
	KY	Kentucky		KY
	024	Christian		047
	TN	Tennessee		TN
	063	Montgomery		125
059		Cleveland-Lorain-Elyria, OH, PMSA	1680	
	OH	Ohio		OH
	004	Ashtabula		007
	018	Cuyahoga		035
	028	Geauga		055
	043	Lake		085
	047	Lorain		093
	052	Medina		103
060		Colorado Springs, CO, MSA	1720	
	CO	Colorado		CO
	021	El Paso		041
061		Columbia, MO, MSA	1740	
	MO	Missouri		MO
	010	Boone		019
062		Columbia, SC, MSA	1760	
	SC	South Carolina		SC
	032	Lexington		063
	040	Richland		079

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063		Columbus, GA-AL, MSA	1800	
	AL	Alabama		AL
		057 Russell		113
	GA	Georgia		GA
		026 Chattahoochee		053
		072 Harris		145
		106 Muscogee		215
064		Columbus, OH, MSA	1840	
	OH	Ohio		OH
		021 Delaware		041
		023 Fairfield		045
		025 Franklin		049
		045 Licking		089
		049 Madison		097
		065 Pickaway		129
065		Corpus Christi, TX, MSA	1880	
	TX	Texas		TC
		178 Nueces		355
		205 San Patricio		409
066		Cumberland, MD-WV, MSA	1900	
	MD	Maryland		MD
		001 Allegany		001
	WV	West Virginia		WV
		029 Mineral		057
067		Dallas, TX, PMSA	1920	
	TX	Texas		TX
		043 Collin		085
		057 Dallas		113
		061 Denton		121
		070 Ellis		139
		107 Henderson		213
		116 Hunt		231
		129 Kaufman		257
		199 Rockwall		397
068		Danville, VA, MSA	1950	
	VA	Virginia		VA
		035 Danville city		590
		097 Pittsylvania		143
069		Davenport-Moline-Rock Island, IA-IL, MSA	1960	
	IL	Illinois		IL
		037 Henry		073
	IA	Rock Island		161
		082 Iowa		163
		Scott		
070		Dayton-Springfield, OH, MSA	2000	
	OH	Ohio		OH
		012 Clark		023
		029 Greene		057
		055 Miami		109
		057 Montgomery		113
071		Daytona Beach, FL, MSA	2020	
	FL	Florida		FL
		018 Flagler		035
		064 Volusia		127

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072	AL	Decatur, AL, MSA	2030	
		Alabama		AL
	040	Lawrence		079
	052	Morgan		103
073	IL	Decatur, IL, MSA	2040	
		Illinois		IL
	058	Macon		115
074	CO	Denver, CO, PMSA	2080	
		Colorado		CO
	001	Adams		001
	003	Arapahoe		005
	016	Denver		031
	018	Douglas		035
	030	Jefferson		059
075	IA	Des Moines, IA, MSA	2120	
		Iowa		IA
	025	Dallas		049
	077	Polk		153
	091	Warren		181
076	MI	Detroit, MI, PMSA	2160	
		Michigan		MI
	044	Lapeer		087
	050	Macomb		099
	058	Monroe		115
	063	Oakland		125
	074	St. Clair		147
	082	Wayne		163
077	AL	Dothan, AL, MSA	2180	
		Alabama		AL
	023	Dale		045
	035	Houston		069
078	DE	Dover, DE, MSA	2190	
		Delaware		DE
	001	Kent		001
079	IA	Dubuque, IA, MSA	2200	
		Iowa		IA
	031	Dubuque		061
080	MN	Duluth-Superior, MN-WI, MSA	2240	
		Minnesota		MN
	069	St. Louis		137
	WI	Wisconsin		WI
	016	Douglas		031
081	NY	Dutchess County, NY, PMSA	2281	
		New York		NY
	013	Dutchess		027
082	WI	Eau Claire, WI, MSA	2290	
		Wisconsin		WI
	009	Chippewa		017
	018	Eau Claire		035

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083	TX	El Paso, TX, MSA	2320	
		Texas		TX
	071	El Paso		141
084	IN	Elkhart-Goshen, IN, MSA	2330	
		Indiana		IN
	020	Elkhart		039
085	NY	Elmira, NY, MSA	2335	
		New York		NY
	007	Chemung		015
086	OK	Enid, OK, MSA	2340	
		Oklahoma		OK
	024	Garfield		047
087	PA	Erie, PA, MSA	2360	
		Pennsylvania		PA
	025	Erie		049
088	OR	Eugene-Springfield, OR, MSA	2400	
		Oregon		OR
	020	Lane		039
089	IN	Evansville-Henderson, IN-KY, MSA	2440	
		Indiana		IN
	065	Posey		129
	082	Vanderburgh		163
	KY	Warrick		KY
		Kentucky		
	087	Henderson		173
	051			101
090	MN	Fargo-Moorhead, ND-MN, MSA	2520	
		Minnesota		MN
	014	Clay		027
	ND	North Dakota		ND
		Cass		017
091	NC	Fayetteville, NC, MSA	2560	
		North Carolina		NC
	026	Cumberland		051
092	AR	Fayetteville-Springdale-Rogers, AR, MSA	2580	
		Arkansas		AR
	004	Benton		007
	072	Washington		143
093	MI	Flint, MI, PMSA	2640	
		Michigan		MI
	025	Genesee		049
094	AL	Florence, AL, MSA	2650	
		Alabama		AL
	017	Colbert		033
	039	Lauderdale		077

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095	SC	Florence, SC, MSA South Carolina Florence	2655	SC	041
096	CO	Fort Collins-Loveland, CO, MSA Colorado Larimer	2670	CO	069
097	FL	Fort Lauderdale, FL, PMSA Florida Broward	2680	FL	011
098	FL	Fort Myers-Cape Coral, FL, MSA Florida Lee	2700	FL	
099	FL	Fort Pierce-Port St. Lucie, FL, MSA Florida Martin St. Lucie	2710	FL	085 111
100	AR	Fort Smith, AR-OK, MSA Arkansas Crawford Sebastian	2720	AR	033 131
	OK	Oklahoma Sequoiah		OK	135
101	FL	Fort Walton Beach, FL, MSA Florida Okaloosa	2750	FL	091
102	IN	Fort Wayne, IN, MSA Indiana Adams Allen De Kalb Huntington Wells Whitley	2760	IN	001 003 033 069 179 183
103	TX	Fort Worth-Arlington, TX, PMSA Texas Hood Johnson Parker Tarrant	2800	TX	221 251 367 439
104	CA	Fresno, CA, MSA California Fresno Madera	2840	CA	019 039
105	AL	Gadsden, AL, MSA Alabama Etowah	2880	AL	055
106	FL	Gainesville, FL, MSA Florida Alachua	2900	FL	001
107	TX	Galveston-Texas City, TX, PMSA Texas Galveston	2920	TX	167

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108	IN	Gary, IN, PMSA Indiana Lake Porter	2960	IN	
		045	089		
		064	127		
109	NY	Glens Falls, NY, MSA New York Warren Washington	2975	NY	
		053	113		
		054	115		
110	NC	Goldsboro, NC, MSA North Carolina Wayne	2980	NC	
		096	191		
111	MN	Grand Forks, ND-MN, MSA Minnesota Polk	2985	MN	
	ND	North Dakota Grand Forks		ND	119
112	MI	Grand Rapids-Muskegon-Holland, MI, MSA Michigan Allegan Kent Muskegon Ottawa	3000	MI	
		003	005		
		041	081		
		061	121		
		070	139		
113	MT	Great Falls, MT, MSA Montana Cascade	3040	MT	
		007	013		
114	CO	Greeley, CO, PMSA Colorado Weld	3060	CO	
		062	123		
115	WI	Green Bay, WI, MSA Wisconsin Brown	3080	WI	
		005	009		
116	NC	Greensboro--Winston-Salem--High Point, NC, MSA North Carolina Alamance Davidson Davie Forsyth Guilford Randolph Stokes Yadkin	3120	NC	
		001	001		
		029	057		
		030	059		
		034	067		
		041	081		
		076	151		
		085	169		
		099	197		
117	NC	Greenville, NC, MSA North Carolina Pitt	3150	NC	
		074	147		
118	SC	Greenville-Spartanburg-Anderson, SC, MSA South Carolina Anderson Cherokee Greenville Pickens Spartanburg	3160	SC	
		004	007		
		011	021		
		023	045		
		039	077		
		042	083		
119	MD	Hagerstown, MD, PMSA Maryland Washington	3180	MD	
		022	043		

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120	OH	Hamilton-Middletown, OH, PMSA	3200	OH
		Ohio		
	009	Butler		017
121	PA	Harrisburg-Lebanon-Carlisle, PA, MSA	3240	PA
		Pennsylvania		
	021	Cumberland		041
	022	Dauphin		043
	038	Lebanon		075
	050	Perry		099
122	CT	Hartford, CT, NECMA	3283	CT
		Connecticut		
	002	Hartford		003
	004	Middlesex		007
	007	Tolland		013
123	MS	Hattiesburg, MS, MSA	3285	MS
		Mississippi		
	018	Forrest		035
	037	Lamar		073
124	NC	Hickory-Morganton, NC, MSA	3290	NC
		North Carolina		
	002	Alexander		003
	012	Burke		023
	014	Caldwell		027
	018	Catawba		
125	HI	Honolulu, HI, MSA	3320	HI
		Hawaii		
	002	Honolulu		003
126	LA	Houma, LA, MSA	3350	LA
		Louisiana		
	029	Lafourche		057
	055	Terrebonne		109
127	TX	Houston, TX, PMSA	3360	TX
		Texas		
	036	Chambers		071
	079	Fort Bend		157
	101	Harris		201
	146	Liberty		291
	170	Montgomery		339
	237	Waller		473
128	KY	Huntington-Ashland, WV-KY-OH, MSA	3400	KY
		Kentucky		
	010	Boyd		019
	022	Carter		043
	045	Greenup		089
	OH	Ohio		OH
	044	Lawrence		087
	WV	West Virginia		WV
	006	Cabell		011
	050	Wayne		099
129	AL	Huntsville, AL, MSA	3440	AL
		Alabama		
	042	Limestone		083
	045	Madison		089

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130	IN	Indianapolis, IN, MSA	3480	IN
		Indiana		
	006	Boone	011	
	029	Hamilton	057	
	030	Hancock	059	
	032	Hendricks	063	
	041	Johnson	081	
	048	Madison	095	
	049	Marion	097	
	055	Morgan	109	
	073	Shelby	145	
131	IA	Iowa City, IA, MSA	3500	IA
		Iowa		
	052	Johnson	103	
132	MI	Jackson, MI, MSA	3520	MI
		Michigan		
	038	Jackson	075	
133	MS	Jackson, MS, MSA	3560	MS
		Mississippi		
	025	Hinds	049	
	045	Madison	089	
	061	Rankin	121	
134	TN	Jackson, TN, MSA	3580	TN
		Tennessee		
	057	Madison	113	
135	FL	Jacksonville, FL, MSA	3600	FL
		Florida		
	010	Clay	019	
	016	Duval	031	
	045	Nassau	089	
	055	St. Johns	109	
136	NC	Jacksonville, NC, MSA	3605	NC
		North Carolina		
	067	Onslow	133	
137	NY	Jamestown, NY, MSA	3610	NY
		New York		
	006	Chautauqua	013	
138	WI	Janesville-Beloit, WI, MSA	3620	WI
		Wisconsin		
	054	Rock	105	
139	NJ	Jersey City, NJ, PMSA	3640	NJ
		New Jersey		
	009	Hudson	017	
140	TN	Johnson City-Kingsport-Bristol, TN-VA, MSA	3660	TN
		Tennessee		
	010	Carter	019	
	037	Hawkins	073	
	082	Sullivan	163	
	086	Unicoi	171	
	090	Washington	179	
	VA	Virginia		VA
	015	Bristol city	520	
	115	Scott	169	
	129	Washington	191	

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141	PA	Johnstown, PA, MSA Pennsylvania	3680	PA
		011 Cambria		021
		056 Somerset		111
142	MO	Joplin, MO, MSA Missouri	3710	MO
		049 Jasper		097
		073 Newton		145
143	MI	Kalamazoo-Battle Creek, MI, MSA Michigan	3720	MI
		013 Calhoun		025
		039 Kalamazoo		077
		080 Van Buren		159
144	IL	Kankakee, IL, PMSA Illinois	3740	IL
		046 Kankakee		091
145	KA	Kansas City, MO-KS, MSA Kansas	3760	KS
		046 Johnson		091
		052 Leavenworth		103
		061 Miami		121
		105 Wyandotte		209
	MI	Missouri		MO
		019 Cass		037
		024 Clay		047
		025 Clinton		049
		048 Jackson		095
		054 Lafayette		107
		083 Platte		165
		089 Ray		177
146	WI	Kenosha, WI, PMSA Wisconsin	3800	WI
		030 Kenosha		059
147	TX	Killeen-Temple, TX, MSA Texas	3810	TX
		014 Bell		027
		050 Coryell		
148	TN	Knoxville, TN, MSA Tennessee	3840	TN
		001 Anderson		001
		005 Blount		009
		047 Knox		093
		053 Loudon		105
		078 Sevier		155
		087 Union		173
149	IN	Kokomo, IN, MSA Indiana	3850	IN
		034 Howard		067
		080 Tipton		159
150	MN	La Crosse, WI-MN, MSA Minnesota	3870	MN
		028 Houston		055
	WI	Wisconsin		WI
		032 La Crosse		063

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151	LA	Lafayette, LA, MSA	3880	LA
		Louisiana		
	001	Acadia		001
	028	Lafayette		055
	049	St. Landry		097
	050	St. Martin		099
152	IN	Lafayette, IN, MSA	3920	IN
		Indiana		
	012	Clinton		023
	079	Tippecanoe		157
153	LA	Lake Charles, LA, MSA	3960	LA
		Louisiana		
	010	Calcasieu		019
154	FL	Lakeland-Winter Haven, FL, MSA	3980	FL
		Florida		
	053	Polk		105
155	PA	Lancaster, PA, MSA	4000	PA
		Pennsylvania		
	036	Lancaster		071
156	MI	Lansing-East Lansing, MI, MSA	4040	MI
		Michigan		
	019	Clinton		037
	023	Eaton		045
	033	Ingham		065
157	TX	Laredo, TX, MSA	4080	TX
		Texas		
	240	Webb		479
158	NM	Las Cruces, NM, MSA	4100	NM
		New Mexico		
	008	Dona Ana		013
159	AZ	Las Vegas, NV-AZ, MSA	4120	AZ
		Arizona		
	009	Mohave		015
	NV	Nevada		
	003	Clark		003
	013	Nye		023
160	KS	Lawrence, KS, MSA	4150	KS
		Kansas		
	023	Douglas		045
161	OK	Lawton, OK, MSA	4200	OK
		Oklahoma		
	016	Comanche		031
162	ME	Lewiston-Auburn, ME, NECMA	4243	ME
		Maine		
	001	Androscoggin		001
163	KY	Lexington, KY, MSA	4280	KY
		Kentucky		
	009	Bourbon		017
	025	Clark		049
	034	Fayette		067
	057	Jessamine		113
	076	Madison		151
	105	Scott		209
	120	Woodford		239

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164	OH	Lima, OH, MSA	4320	
		Ohio		OH
	002	Allen		003
	006	Auglaize		011
165	NE	Lincoln, NE, MSA	4360	
		Nebraska		NE
	055	Lancaster		109
166	AR	Little Rock-North Little Rock, AR, MSA	4400	
		Arkansas		AR
	023	Faulkner		045
	043	Lonoke		085
	060	Pulaski		119
	063	Saline		125
167	TX	Longview-Marshall, TX, MSA	4420	
		Texas		TX
	092	Gregg		183
	102	Harrison		203
	230	Upshur		459
168	CA	Los Angeles-Long Beach, CA, PMSA	4480	
		California		CA
	019	Los Angeles		037
169	IN	Louisville, KY-IN, MSA	4520	
		Indiana		IN
	010	Clark		019
	022	Floyd		043
	031	Harrison		061
	072	Scott		143
	KY	Kentucky		KY
	015	Bullitt		029
	056	Jefferson		111
	093	Oldham		185
170	TX	Lubbock, TX, MSA	4600	
		Texas		TX
	152	Lubbock		303
171	VA	Lynchburg, VA, MSA	4640	
		Virginia		VA
	006	Amherst		009
	011	Bedford		019
	012	Bedford city		515
	020	Campbell		031
	076	Lynchburg city		680
172	GA	Macon, GA, MSA	4680	
		Georgia		GA
	011	Bibb		021
	076	Houston		153
	084	Jones		169
	111	Peach		225
	143	Twiggs		289
173	WI	Madison, WI, MSA	4720	
		Wisconsin		WI
	013	Dane		025
174	OH	Mansfield, OH, MSA	4800	
		Ohio		OH
	017	Crawford		033
	070	Richland		139

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175	TX	McAllen-Edinburg-Mission, TX, MSA	4880	
		Texas		TX
	108	Hidalgo		215
176	OR	Medford-Ashland, OR, MSA	4890	
		Oregon		OR
	015	Jackson		029
177	FL	Melbourne-Titusville-Palm Bay, FL, MSA	4900	
		Florida		FL
	005	Brevard		009
178	AR	Memphis, TN-AR-MS, MSA	4920	
		Arkansas		AR
	018	Crittenden		035
	MS	Mississippi		MS
	017	De Soto		033
	TN	Tennessee		TN
	024	Fayette		047
	079	Shelby		157
	084	Tipton		167
179	CA	Merced, CA, MSA	4940	
		California		CA
	024	Merced		047
180	FL	Miami, FL, PMSA	5000	
		Florida		FL
	013	Dade		025
181	NJ	Middlesex-Somerset-Hunterdon, NJ, PMSA	5015	
		New Jersey		NJ
	010	Hunterdon		019
	012	Middlesex		023
	018	Somerset		035
182	WI	Milwaukee-Waukesha, WI, PMSA	5080	
		Wisconsin		WI
	041	Milwaukee		079
	046	Ozaukee		089
	067	Washington		131
	068	Waukesha		133
183	MN	Minneapolis-St. Paul, MN-WI, MSA	5120	
		Minnesota		MN
	002	Anoka		003
	010	Carver		019
	013	Chisago		025
	019	Dakota		037
	027	Hennepin		053
	030	Isanti		059
	062	Ramsey		123
	070	Scott		139
	071	Sherburne		141
	082	Washington		163
	086	Wright		171
	WI	Wisconsin		WI
	048	Pierce		093
	056	St. Croix		109
184	AL	Mobile, AL, MSA	5160	
		Alabama		AL
	002	Baldwin		003
	049	Mobile		097

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185	CA	Modesto, CA, MSA	5170	CA
		California		
	050	Stanislaus		099
186	NJ	Monmouth-Ocean, NJ, PMSA	5190	NJ
		New Jersey		
	013	Monmouth		025
	015	Ocean		029
187	LA	Monroe, LA, MSA	5200	LA
		Louisiana		
	037	Ouachita		073
188	AL	Montgomery, AL, MSA	5240	AL
		Alabama		
	001	Autauga		001
	026	Elmore		051
	051	Montgomery		101
189	IN	Muncie, IN, MSA	5280	IN
		Indiana		
	018	Delaware		035
190	SC	Myrtle Beach, SC, MSA	5330	SC
		South Carolina		
	026	Horry		051
191	FL	Naples, FL, MSA	5345	FL
		Florida		
	011	Collier		021
192	TN	Nashville, TN, MSA	5360	TN
		Tennessee		
	011	Cheatham		021
	019	Davidson		037
	022	Dickson		043
	074	Robertson		147
	075	Rutherford		149
	083	Sumner		165
	094	Williamson		187
	095	Wilson		189
193	NY	Nassau-Suffolk, NY, PMSA	5380	NY
		New York		
	028	Nassau		059
	048	Suffolk		103
194	CT	New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT, NECMA	5483	CT
		Connecticut		
	001	Fairfield		001
	005	New Haven		009
195	CT	New London-Norwich, CT, NECMA	5523	CT
		Connecticut		
	006	New London		011
196	LA	New Orleans, LA, MSA	5560	LA
		Louisiana		
	026	Jefferson		051
	036	Orleans		071
	038	Plaquemines		075
	044	St. Bernard		087
	045	St. Charles		089
	047	St. James		093
	048	St. John the Baptist		095
	052	St. Tammany		103

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197	NY	New York, NY, PMSA	5600	
		New York		NY
	029	New York city	005	
	038	Putnam	079	
	040	Rockland	087	
	056	Westchester	119	
198	NJ	Newark, NJ, PMSA	5640	
		New Jersey		NJ
	007	Essex	013	
	014	Morris	027	
	019	Sussex	037	
	020	Union	039	
	021	Warren	041	
199	NY	Newburgh, NY-PA, PMSA	5660	
		New York		NY
	034	Orange	071	
	PA	Pennsylvania		PA
	052	Pike	103	
200	NC	Norfolk-Virginia Beach-Newport News, VA-NC, MSA	5720	
		North Carolina		NC
	027	Currituck	053	
	VA	Virginia		VA
	026	Chesapeake city	550	
	052	Gloucester	073	
	058	Hampton city	650	
	065	Isle of Wight	093	
	066	James City	095	
	081	Mathews	115	
	087	Newport News city	700	
	088	Norfolk city	710	
	098	Poquoson city	735	
	099	Portsmouth city	740	
	123	Suffolk city	800	
	127	Virginia Beach city	810	
	132	Williamsburg city	830	
	136	York	199	
201	CA	Oakland, CA, PMSA	5775	
		California		CA
	001	Alameda	001	
	007	Contra Costa	013	
202	FL	Ocala, FL, MSA	5790	
		Florida		FL
	042	Marion	083	
203	TX	Odessa-Midland, TX, MSA	5800	
		Texas		TX
	068	Ector	135	
	165	Midland	329	
204	OK	Oklahoma City, OK, MSA	5880	
		Oklahoma		OK
	009	Canadian	017	
	014	Cleveland	027	
	042	Logan	083	
	044	McClain	087	
	055	Oklahoma	109	
	063	Pottawatomie	125	
205	WA	Olympia, WA, PMSA	5910	
		Washington		WA
	034	Thurston	067	

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206		Omaha, NE-IA, MSA	5920	
	IA	Iowa		IA
		078 Pottawattamie		155
	NE	Nebraska		NE
		013 Cass		025
		028 Douglas		055
		077 Sarpy		153
		089 Washington		177
207	CA	Orange County, CA, PMSA	5945	CA
		California		
		030 Orange		059
208	FL	Orlando, FL, MSA	5960	FL
		Florida		
		035 Lake		069
		048 Orange		095
		049 Osceola		097
		059 Seminole		117
209	KY	Owensboro, KY, MSA	5990	KY
		Kentucky		
		030 Daviess		059
210	FL	Panama City, FL, MSA	6015	FL
		Florida		
		003 Bay		005
211	OH	Parkersburg-Marietta, WV-OH, MSA	6020	OH
		Ohio		
		084 Washington		167
	WV	West Virginia		WV
		054 Wood		107
212	FL	Pensacola, FL, MSA	6080	FL
		Florida		
		017 Escambia		033
		057 Santa Rosa		113
213	IL	Peoria-Pekin, IL, MSA	6120	IL
		Illinois		
		072 Peoria		143
		090 Tazewell		179
		102 Woodford		203
214	NJ	Philadelphia, PA-NJ, PMSA	6160	NJ
		New Jersey		
		003 Burlington		005
		004 Camden		007
		008 Gloucester		015
		017 Salem		033
	PA	Pennsylvania		PA
		009 Bucks		017
		015 Chester		029
		023 Delaware		045
		046 Montgomery		091
		051 Philadelphia		101
215	AZ	Phoenix-Mesa, AZ, MSA	6200	AZ
		Arizona		
		008 Maricopa		013
		012 Pinal		021
216	AR	Pine Bluff, AR, MSA	6240	AR
		Arkansas		
		035 Jefferson		069

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217	PA	Pittsburgh, PA, MSA	6280	PA
		Pennsylvania		
	002	Allegheny		003
	004	Beaver		007
	010	Butler		019
	026	Fayette		051
	063	Washington		125
	065	Westmoreland		129
218	MA	Pittsfield, MA, NECMA	6323	MA
		Massachusetts		
	002	Berkshire		003
219	ME	Portland, ME, NECMA	6403	ME
		Maine		
	003	Cumberland		005
220	OR	Portland-Vancouver, OR-WA, PMSA	6440	OR
		Oregon		
	003	Clackamas		005
	005	Columbia		009
	026	Multnomah		051
	034	Washington		067
	036	Yamhill		071
	WA	Washington		WA
	006	Clark		011
221	RI	Providence-Warwick-Pawtucket, RI, NECMA	6483	RI
		Rhode Island		
	001	Bristol		001
	002	Kent		003
	004	Providence		007
	005	Washington		009
222	UT	Provo-Orem, UT, MSA	6520	UT
		Utah		
	025	Utah		049
223	CO	Pueblo, CO, MSA	6560	CO
		Colorado		
	051	Pueblo		101
224	FL	Punta Gorda, FL, MSA	6580	FL
		Florida		
	008	Charlotte		015
225	WI	Racine, WI, PMSA	6600	WI
		Wisconsin		
	052	Racine		101
226	NC	Raleigh-Durham-Chapel Hill, NC, MSA	6640	NC
		North Carolina		
	019	Chatham		037
	032	Durham		063
	035	Franklin		069
	051	Johnston		101
	068	Orange		135
	092	Wake		183
227	SD	Rapid City, SD, MSA	6660	SD
		South Dakota		
	051	Pennington		103

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228	PA	Reading, PA, MSA	6680	PA
		Pennsylvania		
	006	Berks		011
229	CA	Redding, CA, MSA	6690	CA
		California		
	045	Shasta		089
230	NV	Reno, NV, MSA	6720	NV
		Nevada		
	016	Washoe		031
231	WA	Richland-Kennewick-Pasco, WA, MSA	6740	WA
		Washington		
	003	Benton		005
	011	Franklin		021
232	VA	Richmond-Petersburg, VA, MSA	6760	VA
		Virginia		
	023	Charles City		036
	027	Chesterfield		041
	030	Colonial Heights city		570
	037	Dinwiddie		053
	053	Goochland		075
	059	Hanover		085
	061	Henrico		087
	064	Hopewell city		670
	086	New Kent		127
	096	Petersburg city		730
	100	Powhatan		145
	102	Prince George		149
	108	Richmond city		760
233	CA	Riverside-San Bernardino, CA, PMSA	6780	CA
		California		
	033	Riverside		065
	036	San Bernardino		071
234	VA	Roanoke, VA, MSA	6800	VA
		Virginia		
	014	Botetourt		023
	109	Roanoke		161
	110	Roanoke city		770
	114	Salem city		775
235	MN	Rochester, MN, MSA	6820	MN
		Minnesota		
	055	Olmsted		109
236	NY	Rochester, NY, MSA	6840	NY
		New York		
	018	Genesee		037
	024	Livingston		051
	026	Monroe		055
	033	Ontario		069
	035	Orleans		073
	055	Wayne		117
237	IL	Rockford, IL, MSA	6880	IL
		Illinois		
	004	Boone		007
	071	Ogle		141
	101	Winnebago		201

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238	NC	Rocky Mount, NC, MSA North Carolina 033 Edgecombe 064 Nash	6895	NC	065 127
239	CA	Sacramento, CA, PMSA California 009 El Dorado 031 Placer 034 Sacramento	6920	CA	017 061 067
240	MI	Saginaw-Bay City-Midland, MI, MSA Michigan 009 Bay 056 Midland 073 Saginaw	6960	MI	017 111 145
241	MN	St. Cloud, MN, MSA Minnesota 005 Benton 073 Stearns	6980	MN	009 145
242	MO	St. Joseph, MO, MSA Missouri 002 Andrew 011 Buchanan	7000	MO	003 021
243	MO	St. Louis, MO-IL, MSA Illinois 014 Clinton 042 Jersey 060 Madison 067 Monroe 082 St. Clair	7040	IL	027 083 119 133 163
	IL	Missouri 036 Franklin 050 Jefferson 057 Lincoln 092 St. Charles 095 St. Louis 096 St. Louis city 110 Warren		MO	071 099 113 183 189 510 219
244	OR	Salem, OR, PMSA Oregon 024 Marion 027 Polk	7080	OR	047 053
245	CA	Salinas, CA, MSA California 027 Monterey	7120	CA	053
246	UT	Salt Lake City-Ogden, UT, MSA Utah 006 Davis 018 Salt Lake 029 Weber	7160	UT	011 035 057
247	TX	San Angelo, TX, MSA Texas 226 Tom Green	7200	TX	451

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248	TX	San Antonio, TX, MSA	7240	TX
		Texas		
	015	Bexar		029
	046	Comal		091
	094	Guadalupe		187
	247	Wilson		493
249	CA	San Diego, CA, MSA	7320	CA
		California		
	037	San Diego		073
250	CA	San Francisco, CA, PMSA	7360	CA
		California		
	021	Marin		041
	038	San Francisco		075
	041	San Mateo		081
251	CA	San Jose, CA, PMSA	7400	CA
		California		
	043	Santa Clara		085
252	CA	San Luis Obispo-Atascadero-Paso Robles, CA, MSA	7460	CA
		California		
	040	San Luis Obispo		079
253	CA	Santa Barbara-Santa Maria-Lompoc, CA, MSA	7480	CA
		California		
	042	Santa Barbara		083
254	CA	Santa Cruz-Watsonville, CA, PMSA	7485	CA
		California		
	044	Santa Cruz		087
255	NM	Santa Fe, NM, MSA	7490	NM
		New Mexico		
	016	Los Alamos		028
	027	Santa Fe		049
256	CA	Santa Rosa, CA, PMSA	7500	CA
		California		
	049	Sonoma		097
257	FL	Sarasota-Bradenton, FL, MSA	7510	FL
		Florida		
	041	Manatee		081
	058	Sarasota		115
258	GA	Savannah, GA, MSA	7520	GA
		Georgia		
	015	Bryan		029
	025	Chatham		051
	051	Effingham		103
259	PA	Scranton--Wilkes-Barre--Hazleton, PA, MSA	7560	PA
		Pennsylvania		
	019	Columbia		037
	035	Lackawanna		069
	040	Luzerne		079
	066	Wyoming		131
260	WA	Seattle-Bellevue-Everett, WA, PMSA	7600	WA
		Washington		
	015	Island		029
	017	King		033
	031	Snohomish		061

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261	PA	Sharon, PA, MSA Pennsylvania Mercer	7610	PA	085
262	WI	Sheboygan, WI, MSA Wisconsin Sheboygan	7620	WI	117
263	TX	Sherman-Denison, TX, MSA Texas Grayson	7640	TX	181
264	LA	Shreveport-Bossier City, LA, MSA Louisiana Bossier Caddo Webster	7680	LA	015 017 119
265	IA	Sioux City, IA-NE, MSA Iowa Woodbury	7720	IA	193
	NE	Nebraska Dakota		NE	043
266	SD	Sioux Falls, SD, MSA South Dakota Lincoln Minnehaha	7760	SD	083 099
267	IN	South Bend, IN, MSA Indiana St. Joseph	7800	IN	141
268	WA	Spokane, WA, MSA Washington Spokane	7840	WA	063
269	IL	Springfield, IL, MSA Illinois Menard Sangamon	7880	IL	129 167
270	MO	Springfield, MO, MSA Missouri Christian Greene Webster	7920	MO	043 077 225
271	MA	Springfield, MA, NECMA Massachusetts Hampden Hampshire	8003	MA	013 015
272	PA	State College, PA, MSA Pennsylvania Centre	8050	PA	027
273	OH	Steubenville-Weirton, OH-WV, MSA Ohio Jefferson	8080	OH	081
	WV	West Virginia Brooke Hancock		WV	009 029

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274	CA	Stockton-Lodi, CA, MSA California San Joaquin	8120	CA	077
275	SC	Sumter, SC, MSA South Carolina Sumter	8140	SC	085
276	NY	Syracuse, NY, MSA New York 005 Cayuga 025 Madison 032 Onondaga 036 Oswego	8160	NY	011 053 067 075
277	WA	Tacoma, WA, PMSA Washington Pierce	8200	WA	053
278	FL	Tallahassee, FL, MSA Florida 020 Gadsden 037 Leon	8240	FL	039 073
279	FL	Tampa-St. Petersburg-Clearwater, FL, MSA Florida 027 Hernando 029 Hillsborough 051 Pasco 052 Pinellas	8280	FL	053 057 101 103
280	IN	Terre Haute, IN, MSA Indiana 011 Clay 083 Vermillion 084 Vigo	8320	IN	021 165 167
281	AR	Texarkana, TX-Texarkana, AR, MSA Arkansas 046 Miller	8360	AR	091
	TX	Texas 019 Bowie		TX	037
282	OH	Toledo, OH, MSA Ohio 026 Fulton 048 Lucas 087 Wood	8400	39	051 095 173
283	KS	Topeka, KS, MSA Kansas 089 Shawnee	8440	KS	177
284	NJ	Trenton, NJ, PMSA New Jersey 011 Mercer	8480	NJ	021
285	AZ	Tucson, AZ, MSA Arizona 011 Pima	8520	AZ	019

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286	OK	Tulsa, OK, MSA Oklahoma	8560	OK
		019 Creek		037
		057 Osage		113
		066 Rogers		131
		072 Tulsa		143
		073 Wagoner		145
287	AL	Tuscaloosa, AL, MSA Alabama	8600	AL
		063 Tuscaloosa		125
288	TX	Tyler, TX, MSA Texas	8640	TX
		212 Smith		423
289	NY	Utica-Rome, NY, MSA New York	8680	NY
		021 Herkimer		043
		031 Oneida		065
290	CA	Vallejo-Fairfield-Napa, CA, PMSA California	8720	CA
		028 Napa		055
		048 Solano		095
291	CA	Ventura, CA, PMSA California	8735	CA
		056 Ventura		111
292	TX	Victoria, TX, MSA Texas	8750	TX
		235 Victoria		469
293	NJ	Vineland-Millville-Bridgeton, NJ, PMSA New Jersey	8760	NJ
		006 Cumberland		011
294	CA	Visalia-Tulare-Porterville, CA, MSA California	8780	CA
		054 Tulare		107
295	TX	Waco, TX, MSA Texas	8800	TX
		155 McLennan		309
296	DC	Washington, DC-MD-VA-WV, PMSA Dist. of Columbia	8840	DC
		001 District of Columbia		001
	MD	Maryland		MD
		005 Calvert		009
		009 Charles		017
		011 Frederick		021
		016 Montgomery		031
		017 Prince George's		033
	VA	Virginia		VA
		003 Alexandria city		510
		008 Arlington		013
		028 Clarke		043
		033 Culpeper		047
		040 Fairfax		059
		041 Fairfax city		600
		042 Falls Church city		610
		043 Fauquier		061
		049 Fredericksburg city		630
		068 King George		099

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073	Loudoun				107	
078	Manassas city				683	
079	Manassas Park city				685	
103	Prince William				153	
120	Spotsylvania				177	
121	Stafford				179	
128	Warren				187	
WV	West Virginia			WV		
002	Berkeley				003	
019	Jefferson				037	
297	Waterloo-Cedar Falls, IA, MSA		8920	IA		
IA	Iowa					
007	Black Hawk			013		
298	Wausau, WI, MSA		8940	WI		
WI	Wisconsin					
037	Marathon			073		
299	West Palm Beach-Boca Raton, FL, MSA		8960	FL		
FL	Florida					
050	Palm Beach			099		
300	Wheeling, WV-OH, MSA		9000	OH		
OH	Ohio					
007	Belmont			013		
WV	West Virginia			WV		
026	Marshall				051	
035	Ohio				069	
301	Wichita, KS, MSA		9040	KS		
KS	Kansas					
008	Butler			015		
040	Harvey			079		
087	Sedgwick			173		
302	Wichita Falls, TX, MSA		9080	TX		
TX	Texas					
005	Archer			009		
243	Wichita			485		
303	Williamsport, PA, MSA		9140	PA		
PA	Pennsylvania					
041	Lycoming			081		
304	Wilmington-Newark, DE-MD, PMSA		9160	DE		
DE	Delaware					
002	New Castle			003		
MD	Maryland			MD		
008	Cecil				015	
305	Wilmington, NC, MSA		9200	NC		
NC	North Carolina					
010	Brunswick			019		
065	New Hanover			129		
306	Yakima, WA, MSA		9260	WA		
WA	Washington					
039	Yakima			077		

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307	CA	Yolo, CA, PMSA California Yolo	9270	CA	113
308	PA	York, PA, MSA Pennsylvania York	9280	PA	133
309	OH	Youngstown-Warren, OH, MSA Ohio 015 Columbiana 050 Mahoning 078 Trumbull	9320	OH	029 099 155
310	CA	Yuba City, CA, MSA California 051 Sutter 058 Yuba	9340	CA	101 115
311	AZ	Yuma, AZ, MSA Arizona 015 Yuma	9360	AZ	027

Country Codes
(Alphabetical by Code)

Code	Geopolitical Entity
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AA ARUBA
AC ANTIGUA AND BARBUDA
AE UNITED ARAB EMIRATES
AF AFGHANISTAN
AG ALGERIA
AJ AZERBAIJAN
AL ALBANIA
AM ARMENIA
AN ANDORRA
AO ANGOLA
AQ AMERICAN SAMOA
AR ARGENTINA
AS AUSTRALIA
AT ASHMORE AND CARTIER ISLANDS
AU AUSTRIA
AV ANGUILLA
AY ANTARCTICA
BA BAHRAIN
BB BARBADOS
BC BOTSWANA
BD BERMUDA
BE BELGIUM
BF BAHAMAS, THE
BG BANGLADESH
BH BELIZE
BK BOSNIA AND HERZEGOVINA
BL BOLIVIA
BM BURMA
BN BENIN
BO BELARUS
BP SOLOMON ISLANDS
BR BRAZIL
BS BASSAS DA INDIA
BT BHUTAN
BU BULGARIA
BV BOUVENT ISLAND
BX BRUNEI
BY BURUNDI
CA CANADA
CB CAMBODIA
CD CHAD
CE SRI LANKA
CF CONGO
CG CONGO
CH CHINA
CI CHILE
CJ CAYMAN ISLANDS
CK COCOS (KEELING) ISLANDS
CL CENTRAL AND SOUTHERN LINE ISLANDS
CM CAMEROON
CN COMOROS
CO COLOMBIA
CQ NORTHERN MARIANAS ISLANDS
CR CORAL SEA ISLANDS

Country Codes
(Alphabetical by Code)

Code	Geopolitical Entity
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CS COSTA RICA
CT CENTRAL AFRICAN REPUBLIC
CU CUBA
CV CAPE VERDE
CW COOK ISLANDS
CY CYPRUS
CZ CZECHOSLOVAKIA
DA DENMARK
DJ DJIBOUTI
DM DAHOMEY [BENIN]
DO DOMINICA
DQ JARVIS ISLAND
DR DOMINICAN REPUBLIC
EB EAST BERLIN
EC ECUADOR
EG EGYPT
EI IRELAND
EK EQUATORIAL GUINEA
EN ESTONIA
EQ CANTON AND ENDERBERRY ISLANDS
ER ERITREA
ES EL SALVADOR
ET ETHIOPIA
EU EUROPA ISLAND
EZ CZECH REPUBLIC
FG FRENCH GUIANA
FI FINLAND
FJ FIJI
FK FALKLAND ISLANDS
FM MICRONESIA, FEDERATED STATES OF
FO FAROE ISLANDS
FP FRENCH POLYNESIA
FR FRANCE
FS FRENCH SOUTHERN AND ANTARCTIC LANDS
FT FRENCH TERRITORY OF THE AFFARS AND ISSAS
GA GAMBIA, THE
GB GABON
GC EAST GERMANY (GERMAN DEMOCRATIC REPUBLIC)
GE WEST GERMANY (FEDERAL REPUBLIC OF GERMANY)
GG GEORGIA
GH GHANA
GI GIBRALTAR
GJ GRENADA
GK GUERNSEY
GL GREENLAND
GM GERMANY
GN GILBERT AND ELICE ISLANDS
GO GLORIOSO ISLANDS
GP GUADELOUPE
GQ GUAM
GR GREECE
GS GILBERT ISLANDS
GT GUATEMALA
GV GUINEA

Country Codes
(Alphabetical by Code)

Code	Geopolitical Entity
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GY GUYANA
GZ GAZA STRIP
HA HAITI
HK HONG KONG
HM HEARD ISLAND AND MCDONALD ISLANDS
HO HONDURAS
HQ HOWLAND ISLAND
HR CROATIA
HU HUNGARY
IC ICELAND
ID INDONESIA
IM ISLE OF MAN
IN INDIA
IO BRITISH INDIAN OCEAN TERRITORY
IP CLIPPERTON ISLAND
IQ US MISCELLANEOUS PACIFIC ISLANDS
IR IRAN
IS ISRAEL
IT ITALY
IU ISRAEL-SYRIA DEMILITARIZED ZONE
IV COTE D'IVOIRE
IW ISRAEL-JORDAN DEMILITARIZED ZONE
IY IRAQ-SAUDI ARABIA NEUTRAL ZONE
IZ IRAQ
JA JAPAN
JE JERSEY
JM JAMAICA
JN JAN MAYEN
JO JORDAN
JQ JOHNSTON ISLAND
JS SVALBARD AND JAN MAYEN
JU JUAN DE NOVA ISLAND
KE KENYA
KG KYRGYZSTAN
KN NORTH KOREA
KR KIRIBATI
KS SOUTH KOREA
KT CHRISTMAS ISLAND
KU KUWAIT
KZ KAZAKHSTAN
LA LAOS
LE LEBANON
LG LATVIA
LH LITHUANIA
LI LIBERIA
LO SLOVAKIA
LQ PALMYRA ATOLL
LS LIECHTENSTEIN
LT LESOTHO
LU LUXEMBOURG
LY LIBYA
MA MADAGASCAR
MB MARTINIQUE
MC MACAU

Country Codes
(Alphabetical by Code)

Code	Geopolitical Entity
------	---------------------

MD MOLDOVA
ME SPANISH NORTH AFRICA
MF MAYOTTE
MG MONGOLIA
MH MONTSERRAT
MI MALAWI
MK MACEDONIA, F.Y.R.O.
ML MALI
MN MONACO
MO MOROCCO
MP MAURITIUS
MQ MIDWAY ISLAND
MR MAURITANIA
MT MALTA
MU OMAN
MV MALDIVES
MX MEXICO
MY MALAYSIA
MZ MOZAMBIQUE
NA NETHERLANDS ANTILLES
NC NEW CALEDONIA
NE NIUE
NF NORFOLK ISLAND
NG NIGER
NH VANUATU
NI NIGERIA
NL NETHERLANDS
NO NORWAY
NP NEPAL
NR NAURU
NS SURINAME
NT NETHERLANDS ANTILLES
NU NICARAGUA
NZ NEW ZEALAND
PA PARAGUAY
PC PITCAIRN ISLAND
PE PERU
PF PARACEL ISLANDS
PG SPRATLY ISLANDS
PK PAKISTAN
PL POLAND
PM PANAMA
PN PANAMA
PO PORTUGAL
PP PAPUA NEW GUINEA
PQ PANAMA CANAL ZONE
PS PALAU
PT TIMOR
PU GUINEA-BISSAU
QA QATAR
RE REUNION
RH SOUTHERN RHODESIA
RM MARSHALL ISLANDS
RO ROMANIA

Country Codes
(Alphabetical by Code)

Code	Geopolitical Entity
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RP PHILIPPINES
RQ PUERTO RICO
RS RUSSIA
RW RWANDA
SA SAUDI ARABIA
SB SAINT PIERRE AND MIQUELON
SC SAINT KITTS AND NEVIS
SE SEYCHELLES
SF SOUTH AFRICA
SG SENEGAL
SH SAINT HELENA
SI SLOVENIA
SK SIKKIM
SL SIERRA LEONE
SM SAN MARINO
SN SINGAPORE
SO SOMALIA
SP SPAIN
SQ SWAN ISLANDS
SS SPANISH SAHARA
ST SAINT LUCIA
SU SUDAN
SV SVALBARD
SW SWEDEN
SX SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
SY SYRIA
SZ SWITZERLAND
TC UNITED ARAB EMIRATES
TD TRINIDAD AND TOBAGO
TE TROMELIN ISLAND
TH THAILAND
TI TAJIKISTAN
TK TURKS AND CAICOS ISLANDS
TL TOKELAU
TN TONGA
TO TOGO
TP SAO TOME AND PRINCIPE
TQ TRUST TERRITORY OF THE PACIFIC ISLANDS
TS TUNISIA
TT EAST TIMOR
TU TURKEY
TV TUVALU
TW TAIWAN
TX TURKMENISTAN
TZ TANZANIA
UG UGANDA
UK UNITED KINGDOM
UP UKRAINE
UR UNION OF SOVIET SOCIALIST REPUBLICS
US UNITED STATES
UV BURKINA FASO
UY URUGUAY
UZ UZBEKISTAN
VC SAINT VINCENT AND THE GRENADINES

Country Codes
(Alphabetical by Code)

Code	Geopolitical Entity
------	---------------------

VE	VENEZUELA
VI	BRITISH VIRGIN ISLANDS
VM	VIETNAM
VN	NORTH VIETNAM
VQ	UNITED STATES VIRGIN ISLANDS
VS	SOUTH VIETNAM
VT	HOLY SEE (VATICAN CITY)
WA	NAMIBIA
WB	WEST BERLIN
WE	WEST BANK
WF	WALLIS AND FUTUNA
WI	WESTERN SAHARA
WQ	WAKE ISLAND
WS	SAMOA
WZ	SWAZILAND
YE	YEMEN (SANA'A)
YI	YUGOSLAVIA
YM	YEMEN
YO	YUGOSLAVIA
YQ	RYUKYU ISLANDS, SOUTHERN
YS	YEMEN (ADEN)
ZA	ZAMBIA
ZI	ZIMBABWE

TECHNICAL APPENDIX FROM

**VITAL STATISTICS OF
THE UNITED STATES**

2004

NATALITY

**U.S. DEPARTMENT OF
HEALTH AND HUMAN SERVICES**

**CENTERS FOR DISEASE CONTROL AND PREVENTION
NATIONAL CENTER FOR HEALTH STATISTICS**

Hyattsville, Maryland: September 2006 Version 9-12-06

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Introduction

This Technical Appendix, published by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS), is reprinted from "Vital Statistics of the United States, 2004, Volume I, Natality" [1]. Reference will be made to the "1999 Technical Appendix" for historical context and a more lengthy discussion of some variables, as well as the quality and completeness of the birth data [2]. This report supplements the "Technical Notes" section of "Births: Final data for 2004" [3] and is recommended for use with the public-use file for 2004 births, available on CD-ROM from NCHS [4], and the tabulated data of "Vital Statistics of the United States, 2004 Volume I, Natality" [1], in addition to the Internet publication of tables for variables not included in the 2004 natality report.

Definition of Live Birth

Every product of conception that gives a sign of life after birth, regardless of the length of the pregnancy, is considered a live birth. This concept is included in the definition set forth by the World Health Organization in 1950 [5]. A slightly expanded definition of live birth was recommended by the 1992 revision of the Model State Vital Statistics Act and Regulations [6], based on recommendations of a 1988 working group formed by the American Academy of Pediatrics and the American College of Obstetricians and Gynecologists [7] and is consistent with that currently used by the WHO in the ICD-10 [8] and the United Nations:

"Live birth" means the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

This definition distinguishes in precise terms a live birth from a fetal death [9,10]. Forty-eight registration areas use definitions of live births similar to this definition; five areas use a shortened definition; four have no formal definition of live birth. [9]. All states require the reporting of live births regardless of length of gestation or birth weight.

History of Birth-Registration Area

Currently the birth-registration system of the United States includes the 50 states, the District of Columbia, the independent registration area of New York City, and Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands (referred to as Northern Marianas). However, in the statistical tabulations, “United States” refers only to the aggregate of the 50 states (including New York City) and the District of Columbia. Information on the history and development of the birth-registration area is available elsewhere [2, 11].

Sources of Data

Nativity statistics

Since 1985, nativity statistics for all states and the District of Columbia have been based on information from the total file of records. The information is received on electronic files consisting of individual records processed by the states, the District of Columbia, New York City, Puerto Rico, the Virgin Islands, American Samoa, and the Northern Marianas. NCHS receives these files from the registration offices of all states, the two cities and four territories through the Vital Statistics Cooperative Program. Information for Guam is obtained from paper copies of original birth certificates which is coded and keyed by NCHS. Data from American Samoa first became available in 1997; data from the Northern Marianas in 1998.

U.S. nativity data are limited to births occurring within the United States, including those occurring to U.S. residents and nonresidents. Births to nonresidents of the United States have been excluded from all tabulations by place of residence beginning in 1970 (for further discussion see “Classification by occurrence and residence”). Births occurring to U.S. citizens outside the United States are not included in the nativity file. Data for Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern

Marianas are limited to births registered in these areas.

Standard certificates of live birth

The U.S. Standard Certificate of Live Birth, issued by the U.S. Department of Health and Human Services, has served for many years as the principal means for attaining uniformity in the content of the documents used to collect information on births in the United States. Every 10-15 years, the U.S. Standard Certificate of Live Birth is revised. Most state certificates conform closely in content to the standard certificate, but are modified to the extent required by the particular state's needs or by special provisions of the state's vital statistics law.

1989 revision—Effective January 1, 1989, a revised U.S. Standard Certificate of Live Birth (figure 4-A) replaced the 1978 revision. This revision provided a wide variety of new information on maternal and infant health characteristics, representing a significant departure from previous versions in both content and format. The most significant format change was the use of checkboxes to obtain detailed medical and health information about the mother and child. Details of the nature and content of the 1989 revision are available elsewhere [2, 11].

2003 revision — In 2003, a revised U.S. Standard Certificate of Live Birth was adopted, with initial implementation in two states (Pennsylvania and Washington). Five states, Idaho, Kentucky, New York (excluding New York City), South Carolina, and Tennessee implemented the revised birth certificate as of January 1, 2004. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven states which revised as of January 1, 2004 represent 14 percent of all 2004 births. Full implementation in all states of the revised certificate will be phased in over several years. There are numerous new items on the 2003 certificate and modifications of old items. Examples of modified items include multiple race, educational attainment, smoking during pregnancy, and prenatal care. A few examples of new checkbox categories for old items are infertility treatment, NICU admission, and trial of labor prior to a cesarean delivery. The process of the 2003 revision and the revision contents are described elsewhere. [12,13].

A key aspect of the 2003 Revision of the United States Standard Certificate has been the re-engineering of the data collection and transmission system. The intent of the re-engineering is to improve data quality, speed of data collection and transmission, and to enhance standardization of data [14]. To encourage collection of data from the best sources, two worksheets have been developed: the Mother's Worksheet and the Facility Worksheet. In the Mother's Worksheet, data are directly obtained from the mother and include such data as race, Hispanic origin, educational attainment, etc. In the Facility Worksheet, data are obtained directly from medical records of the mother and infant for items such as date of last normal menses, risk factors, method of delivery, etc. To assist hospital staff in completing the Facility Worksheet, a comprehensive instruction manual was developed: *Guide to Completing the Facility Worksheets for the Certificate of Live Birth and Report of Fetal Death (2003 Revision)* [15].

The medical and health check boxes -- Both the 1989 and 2003 Standard Certificates of Live Birth use a checkbox format for collecting much of the medical and health information available on the birth certificate. This information includes items on pregnancy/medical risk factors, method of delivery, obstetric procedures, characteristics of labor and/or delivery, abnormal conditions of the newborn, and congenital anomalies of the child. However, a number of individual checkbox items included on the 1989 certificate were dropped from the revised certificate in 2003 (such as Rh sensitization, incompetent cervix, and amniocentesis). In addition, specifications for some check box items were modified for the 2003 revision resulting in data which are not comparable across revisions (for example: premature rupture of membranes and prolonged labor.) See table A and 2004 file documentation for reporting areas [4].

The report "Births: Final Data for 2004" includes items which are reported in both the 1989 and the 2003 Standard Certificate of Live Birth. Data items exclusive to either the 1989 (e.g. maternal anemia, ultrasound, and alcohol use) or the 2003 birth certificate revision (e.g. such as the use of infertility treatment and NICU admission) are not shown. Supplemental 2004 tables for data exclusive to the 1989 Revision are available on the NCHS website (www.cdc.gov/nchs). A forthcoming report will present selected information exclusive to the 2003 Revision.

The 2004 Natality Data File

The 2004 data file includes data items which are comparable between the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth. The file also includes all data which are exclusive to the 1989 revision, such as febrile infant and cord prolapse. Additionally, the 2004 file also includes new checkbox response categories for selected items, such as number of previous cesarean deliveries and surfactants to newborn. Certain new data items exclusive to the 2003 revised certificate are not available on the file:

- | | |
|---|---|
| - date of last prenatal care visit | - matching number for plural births |
| - 10-minute Apgar score | - source of payment for delivery |
| - mother's height | - WIC food receipt |
| - infections present (5 items) | - maternal morbidity (7 items) |
| - whether infant was alive at time
of report | - whether infant was breastfed at
discharge. |

The 1989 certificate was used in 41 states, the District of Columbia and the territories for *all* of 2004. Seven states used the 2003 certificate throughout the 2004 data year: Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee and Washington. Florida used the 1989 revision during January and February, 2004; New Hampshire used the 1989 revision until July 19; starting March 1, Florida implemented the 2003 revision; New Hampshire did so on July 20.

One of the principal values of vital statistics data is realized through the presentation of rates that are computed by relating the vital events of a class to the population of a similarly defined class. Vital statistics and population statistics, therefore, must be tabulated in comparable groups. Even when the variables common to both, such as geographic area, age, race, and sex, have been similarly classified and tabulated, significant discrepancies may result from differences between the enumeration method of obtaining population data and the registration method of obtaining vital statistics data.

The general rules used to classify characteristics of live births are set forth in two NCHS manuals [16, 17]. The instruction materials are for states to use in coding the data items; they do not include NCHS recodes. Therefore, the file layout [4] is a better source of information on the code structure because it provides the exact codes, recodes and reporting flags that are available. Classification of certain important items is discussed in

the following pages. Information on the completeness of reporting of birth certificate data is shown in table A, which presents a listing of items and the percentage of records that were not stated for each state, Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Marianas.

Occurrence and residence

In tabulations by place of residence, births occurring within the United States to U.S. citizens and to resident aliens are allocated to the usual place of residence of the mother in the United States, as reported on the birth certificate. Beginning in 1970, births to nonresidents of the United States occurring in the United States are excluded from these tabulations. Births to U.S. residents occurring outside this country are not included in tabulations by place of residence.

The total count of births for the United States by place of residence and by place of occurrence will not be identical. Births to nonresidents of the United States are included in data by place of occurrence but excluded from data by place of residence, as previously indicated. See table B for the number of births by residence and occurrence for the 50 states and the District of Columbia for 2004.

Residence error—A nationwide test of birth-registration completeness in 1950 provided measures of residence error for natality statistics. According to the 1950 test (which has not been repeated), errors in residence reporting for the country as a whole tend to overstate the number of births to residents of urban areas and to underestimate the number of births to residents of other areas [18]. Recent experience suggests that this is still a concern based on anecdotal evidence from the states. This tendency has assumed special importance because of a concomitant development—the increased utilization of hospitals in cities by residents of nearby places—with the result that a number of births are erroneously reported as having occurred to residents of urban areas. Another factor that contributes to this overstatement of urban births is the customary practice of using city addresses for persons living outside the city limits. Residence error should be taken into consideration in interpreting data for small areas and for cities. Both birth and infant mortality patterns can be affected.

Incomplete residence—Beginning in 1973, where only the state of residence is reported with no city or county specified and the state named is different from the state of

occurrence, the birth is allocated to the largest city of the state of residence. Before 1973, such births were classified according to the exact place of occurrence.

Geographic classification

The rules followed in the classification of geographic areas for live births are contained in the instruction manual mentioned previously. The geographic code structure for the 2004 file is given in two manuals, “Vital Records Geographic Classification, 2003,” and “Vital Records Geographic Classification, 2004. Federal Information Processing Standards (FIPS).” *NCHS Instruction Manual, Part 8*, [17] and [19]. The geographic code structure on the 2004 file is based on results of the 2000 Census of Population.

United States— In the statistical tabulations “United States” refers only to the aggregate of the 50 states and the District of Columbia. Alaska has been included in the U.S. tabulations since 1959 and Hawaii since 1960.

Details of the classification of births for metropolitan statistical areas, metropolitan and non-metropolitan counties, and population size groups for cities and urban places are presented elsewhere [2].

Places with a population of less than 100,000 are not separately identified on the public-use file because of confidentiality limitations.

Demographic Characteristics

Hispanic origin, and race

Hispanic origin—Hispanic origin and race are reported separately on the birth certificate. Data for Hispanic subgroups are shown in most cases for five specific groups: Mexican, Puerto Rican, Cuban, Central and South American, and “other and unknown Hispanic.” In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women in 2004 are reported as white as in previous years. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother’s reported race. In tabulations that include Hispanic origin, data for non-Hispanic persons are classified according to the race of the mother because there are substantial differences in fertility and maternal and infant health

between Hispanic and non-Hispanic white women. A recode variable is available that provides cross tabulations of race by Hispanic origin.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all states and the District of Columbia, the Virgin Islands, and Guam since 1993 [3]. Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. In addition, Florida (for births occurring from March 1, 2004 only), Idaho, Kentucky, New Hampshire (for births occurring as of July 19, 2004 only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, permitted respondents to select one or more Hispanic origin categories [Figure 4-B]. Minnesota, which used the 1989 revised certificate, also allowed reporting of multiple Hispanic groups. These 10 revised states accounted for 13 percent of Hispanic births in the United States in 2004. The percentage of records for which Hispanic origin of the parents was not reported in 2004 is shown by state in table A.

The new Hispanic origin question asks that the respondent "check the box that best describes whether the mother or father is Spanish/Hispanic/Latina/o." Although only one response is asked for, multiple responses to this item are sometimes given. Therefore, the electronic State birth registration systems are designed to capture multiple responses to this item. If more than one box is checked, or if there is a literal entry and one or more boxes checked, the code for "Multiple Hispanic" is applied. These records are classified as "Other Hispanic" in NCHS data. The percentage of Hispanic mothers in the 10 revised states reporting more than one Hispanic origin group was 1.5 percent in 2004.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the Hispanic population are underestimates of the true rates [20] to the extent that the births with Hispanic origin of mother not stated (0.8 percent in 2004) were actually to Hispanic mothers. The population with origin not stated was imputed. The effect on the rates is believed to be small.

Single, Multiple and “Bridged” race of mother and father—In 1997, the Office of Management and Budget (OMB) issued “Revisions to the Standards for the

Classification of Federal Data on Race and Ethnicity” which revised the “1977 Statistical Policy Directive 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting” [21, 22, 23]. These documents specify guidelines for collection, tabulation, and presentation of race and ethnicity data within the Federal statistical system. The 1997 revised standards incorporated two major changes designed to reflect the changing racial profile of the United States. First, the revision increased from four to five the minimum set of categories to be used by Federal agencies for identification of race. The 1977 standards required Federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native (AIAN), Asian or Pacific Islander (API), Black, and White. The five categories for race specified in the 1997 standards are: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. Collection of additional detail on race and ethnicity is permitted, as before, so long as the additional categories can be aggregated into the minimum categories. The revised standards also require Federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the 1997 revised standards. However, the National Vital Statistics System, which is based on data collected by the states, will not be fully compliant with the new standards until all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see “Population denominators”). In order to compute rates, it is necessary to “bridge” population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of “bridged” populations can be discontinued.

For the 2004 data year, multiple-race was reported by Florida (for births occurring from March 1, 2004 only), Idaho, Kentucky, New Hampshire (for births occurring from

July 19, 2004 only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as by California, Hawaii, Michigan (for births at selected facilities only), Minnesota, Ohio, and Utah, which used the 1989 revision of the U.S. Standard Certificate of Live Birth. These 15 states, which account for 43.0 percent of U.S. births in 2004, reported 1.8 percent of mothers as multiracial, with levels varying from 0.5 percent (New Hampshire) to 34.4 percent (Hawaii). Data from the vital records of the remaining 35 states and the District of Columbia followed the 1977 OMB standards in which a single race is reported [21]. In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards [21], compared with the minimum of five races for the 1997 [22] standards.

In order to provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to “bridge” the responses of those who reported more than one race to a single-race. The bridging procedure for multiple-race mothers and fathers is based on the procedure used to bridge the multiracial population estimates (see “Population denominators”) [23, 24]. Multiple-race is imputed to a single race (one of the following: AIAN, API, Black, or White) according to the combination of races, Hispanic origin, sex, and age indicated on the birth certificate of the mother or father. The imputation procedure is described in detail elsewhere [25, 26].

As noted previously, the bridging procedure imputes multiple-race of mothers to one of the four minimum races stipulated in the 1977 OMB standards, that is, AIAN, API, Black, or White. Mothers of a specified Asian or Pacific Islander subgroup (that is, Chinese, Japanese, Hawaiian, or Filipino) in combination with another race (that is, AIAN, Black, and/or White) or another API subgroup cannot be imputed to a single API subgroup. API mothers are disproportionately represented in the 15 states reporting multiple-race (54.8 percent in 2004.) For both reports: “Births: Final Data for 2003” and “Births: Final Data for 2004”, data are not shown for the specified API subgroups because the bridging technique cannot be applied in this detail [3, 23, 24]. However, data for the API subgroups, reported alone or in combination with other races and/or API subgroups, are available in the 2004 natality public-use data file. A forthcoming [27]

report describes characteristics of births in 2003 to single and multiple-race women

Race of mother is reported by 35 states and the District of Columbia in at least eight single-race categories: White, Black, American Indian or Alaska Native, Chinese, Japanese, Hawaiian, Filipino, and “other Asian or Pacific Islander” (API). Of these, six states (Illinois, Missouri, New Jersey, Texas, Virginia, and West Virginia) report data on the expanded API subgroups included in the “other API category” (Asian Indian, Korean, Samoan, Vietnamese, Guamanian, and remaining API). Finally, the fifteen states which report multiple-race data (California, Hawaii, Ohio, Pennsylvania, Utah, and Washington) report a minimum of fourteen categories (White, Black, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Hawaiian, Guamanian, Samoan, and other Pacific Islander). For this report, as discussed above, the multiple-race combinations (for example, White and AIAN or Black and Chinese) were bridged to one of four broad categories (bridged White, bridged Black, bridged AIAN, and bridged API). Detailed data on race (single or multiple) as reported in these 15 states are available from the 2004 natality public use file.

In 2004, race of mother was not reported for 0.9 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.7 percent of births in 2004.

Beginning with the 1989 data year, NCHS started tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate. The reasons for this change are summarized in the 1999 Technical Appendix [2]. Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

Age of mother

Beginning in 1989 a “Date of birth” item on the birth certificate replaced the “Age (at time of this birth)” item. Not all states revised this item, and, therefore, the age of mother either is derived from the reported month and year of birth or coded as stated on

the certificate. In 2004 age of mother was reported directly by four states (Nevada, North Dakota, Virginia, and Wyoming) and American Samoa.

From 1964 to 1996, births reported to occur to mothers younger than age 10 or older than age 49 years had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths).

Beginning in 1997, age of mother is imputed for ages 9 years or under and 55 years and over. A review and verification of unedited birth data for 1996 showed that the vast majority of births reported as occurring to women aged 50 years and older were to women aged 50-54 years. The numbers of births to women aged 50-54 years are too small for computing age-specific birth rates. These births have been included with births to women aged 45-49 years for computing birth rates [2].

Age-specific birth rates are based on populations of women by age, prepared by the U.S. Census Bureau. In census years the decennial census counts are used. In intercensal years, estimates of the population of women by age are published by the U.S. Census Bureau in *Current Population Reports*. The 2000 Census of Population derived age in completed years as of April 1, 2000, from responses to questions on age at last birthday and month and year of birth, with the latter given preference. In the 1960, 1970, 1980, and 1990 Census of Population, age was also derived from month and year of birth. Age in completed years was asked in censuses before 1960. This was nearly the equivalent of the former birth certificate question, which the 1950 test of matched birth and census records confirmed by showing a high degree of consistency in reporting age in these two sources [28]. More recently, reporting of maternal age on the birth certificate was compared with reporting of age in a survey of women who had recently given birth. Reporting of age was very consistent between the two sources [29].

Median age of mother—Median age is the value that divides an age distribution into two equal parts, one-half of the values being less and one-half being greater. Median ages of mothers for 1960 to the present have been computed from birth rates for 5-year age groups rather than from birth frequencies. This method eliminates the effects of changes in the age composition of the childbearing population over time. Changes in the median ages from year to year can thus be attributed solely to changes in the age-specific birth rates. Trend data on the median age are shown in table 1-5 of “Vital Statistics of the

United States, 2001, Volume 1, Natality” [30], which is available on the Internet at:

<http://www.cdc.gov/nchs/datawh/statab/unpubd/nativity/natab2001.htm>

Not stated age or date of birth of mother— In 2004, age of mother was not reported on 0.02 percent of the records. Beginning in 1964 birth records with date of birth of mother and/or age of mother not stated have had age imputed according to the age of mother from the previous birth record of the same race and total-birth order (total of fetal deaths and live births). (See *NCHS Instruction Manual*, Part 12, page 9) [31]. Editing procedures for 1963 and earlier years are described elsewhere [2].

Age of father

Age of father is derived from the reported date of birth or coded as stated on the birth certificate. If the age is under 10 years, it is considered not stated and grouped with those cases for which age is not stated on the certificate. Information on age of father is often missing on birth certificates of children born to unmarried mothers, greatly inflating the number in the “Not stated” category in all tabulations by age of father. In computing birth rates by age of father, births tabulated as age of father not stated are distributed in the same proportions as births with known age within each 5–year-age classification of the mother. This procedure is followed because, while father’s age is missing on 13.6 percent of the birth certificates in 2004, one-quarter of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. Births with age of father not stated are distributed only for rates, not for frequency tabulations [3].

Live-birth order and parity

Live-birth order and parity classifications refer to the total number of live births the mother has had including the 2004 birth. Fetal deaths are excluded.

Live-birth order indicates what number the present birth represents; for example, a baby born to a mother who has had two previous live births (even if one or both are not now living) has a live-birth order of three. Parity indicates how many live births a mother has had. Before delivery, a mother having her first baby has a parity of zero, and a mother

having her third baby has a parity of two. After delivery the mother of a baby who is a first live birth has a parity of one, and the mother of a baby who is a third live birth has a parity of three.

Live-birth order and parity are determined from two items on the birth certificate, “Live births now living” and “Live births now dead.” Editing procedures for live birth order are summarized elsewhere [2, 14, 31].

Not stated birth order—All births tabulated in the “Not stated birth order” category are excluded from the computation of percentages. In computing birth rates by live-birth order, births tabulated as birth order not stated are distributed in the same proportion as births of known live-birth order.

Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994 through 1996 birth certificates in 45 states and the District of Columbia included a question about the mother's marital status. For the other states, marital status is inferred from information on the birth certificate. Beginning in 1997, the marital status of women giving birth in California and Nevada was determined by a direct question in the birth registration process. New York City also changed its procedures for inferring marital status in 1997. Beginning June 15, 1998, Connecticut discontinued inferring the mother's marital status and added a direct question on mother's marital status to the state's birth certificate.

In the two states (Michigan and New York) which used inferential procedures to compile birth statistics by marital status in 2004, a birth is inferred as nonmarital if either of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of states have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment, therefore, is the most reliable indicator that the birth is nonmarital in the states not reporting this information directly; this is now the key indicator in the nonreporting states. Details of the changes in reporting procedures and the impact of the procedures on the data are described in previous reports [32, 33].

The mother's marital status was not reported in 2004 on 0.04 percent of the birth

records in the 48 states and the District of Columbia where this information is obtained by a direct question. Marital status was imputed for these records. If status was unknown and the father's age was known, then the mother was considered married. If the status was unknown, and the father's age unknown, then the mother was considered unmarried. This represents a change from the procedures in effect for 2002 and previous years. Prior to 2003, marital status for records with marital status not reported was imputed as "married." Because of the small number of records affected (2,216 births in 2004), the change in imputation procedures had essentially no impact on measures of nonmarital births.

When births to unmarried women are reported as second or higher order births, it is not known whether the mother was married or unmarried when the previous deliveries occurred because her marital status at the time of these earlier births is not available from the birth record.

Educational attainment

Information on educational attainment is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard Certificate of Live Birth (unrevised). However, the format of the education item on the revised standard certificate substantively differs from that of the unrevised standard certificate.

The 2003 Certificate item asks for the highest degree or level of school completed at the time of the birth (e.g., high school diploma, some college credit but no degree, bachelor degree, etc.). By contrast, the 1989 Certificate asks for the highest grade of school completed by the mother. Only those years completed in regular schools are counted, that is, a formal educational system of public schools or the equivalent in accredited private or parochial schools. Business or trade schools, such as beauty and barber schools, are not considered regular schools for the purposes of this item. No attempt has been made to convert years of school completed in foreign school systems, ungraded school systems, and so forth, to equivalent grades in the American school system. Such entries are included in the "Not stated" category.

Women who have completed only a partial year in high school or college are tabulated as having completed the highest preceding grade or level. For those certificates on which a specific degree is stated, years of school completed is coded to the level at

which the degree is most commonly attained; for example, women reporting B.A., A.B., or B.S. degrees are considered to have completed 16 years of school

In sum, education data for the states that have implemented the revised certificates are not directly comparable with the data for the states that are not yet using the revised certificate. For 2004, unrevised data are available for 41 states, New York City and the District of Columbia and part of the year for Florida and New Hampshire. Revised data are available for all of 2004 for 7 states (Idaho, Kentucky, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington) and part of the year for Florida and New Hampshire.

“Births: Final Data for 2004,” provides separate tabulations for the revised and unrevised educational attainment items; see table D. Table A of this Appendix indicates that education was not stated in 2.0 percent of the unrevised states; among the revised states, levels ranged from 0.8 to 7.5%.

Data on educational attainment are currently available only for the mother [2]. Beginning in 1995, NCHS discontinued collecting information on the educational attainment of the father.

Maternal and Infant Health Characteristics

Weight gain during pregnancy

Information on maternal weight gain is available from both the 1989 (unrevised) and the 2003 (revised) Standard Certificate of Live Birth. However, the item was modified. The unrevised question asks for “weight gained during pregnancy ____ lbs.”, compared with the revised question, which asks for the pre-pregnancy weight of the mother and her weight at delivery.

In the 2004 file, unrevised data are available through the data year for 40 states, New York City, and the District of Columbia, while revised data are available for 7 states. Two states which had mid-year revisions, reported both revised and unrevised data. California did not report weight gain information.

The data from the revised certificate were combined with the data based on the 1989 revision to produce tabulations shown in tables 22 and 23 of the report “Birth: Final Data 2004” [3].

Weight gain in pregnancy is reported in pounds. A reported loss of weight is recorded as zero gain.

Pregnancy risk factors

Both the 2003 and 1989 certificates collect pregnancy risk information in the check box format. Ten medical risks which can affect pregnancy outcome are separately identified on the 2003 Standard Certificate of Live Birth (revised); sixteen on the 1989 Standard Certificate of Live Birth (unrevised). The format allows for the designation of more than one risk factor and includes a choice of “None.” Accordingly, if the item is not completed, it is classified as not stated.

Four risk factors are comparable between certificates: diabetes, chronic hypertension, gestational hypertension, and eclampsia. Selected risk factors are shown in tables 23 to 25 of the report “Births: Final Data for 2004” [3]. Supplemental 2004 tables for risk factor data exclusive to the 1989 Revision are available on the NCHS website (www.cdc.gov/nchs); a forthcoming report will present risk factor information exclusive to the 2003 Revision.

The percent of birth records in which pregnancy risk factor items were not stated was 0.4. Definitions for revised and unrevised items are available elsewhere [3, 15].

Tobacco use during pregnancy

Information on smoking during pregnancy was reported on both the 2003 Certificate of Live Birth (revised) and the 1989 Certificate of Live Birth (unrevised). The format of the tobacco use item differs between certificates. Briefly stated, the 1989 revision asks a simple “yes/no” question on tobacco use during pregnancy and the average number of cigarettes per day with no specificity on timing during the pregnancy. In contrast, the 2003 revision asks for number of cigarettes smoked at different intervals before and during the pregnancy. If the mother reported smoking in any of the three trimesters of pregnancy she was recorded as a smoker.

In the file, for 40 States, New York City, and the District of Columbia, smoking status was based on the 1989 U.S. Standard Certificate (unrevised), while data for 6 states are drawn from the 2003 revision of the birth certificate (revised). Florida had a unique smoking use question in its 2003 revision which differed from both the standard revised

and unrevised version; resulting data were not comparable to either version. Florida used the standard 1989 revision question during January and February, 2004; New Hampshire used the 1989 revision until July 19; starting March 1, Florida implemented its own revised question; New Hampshire implemented the standard revised tobacco use question on July 20. California did not report tobacco use in 2004.

The births occurring where the unrevised question was used accounted for 67 percent of US births in 2004. The overall percent of birth records where tobacco use was not stated for the unrevised item was 1.1 percent.

In the report, Births: Final Data for 2004” [3] data are shown separately in table E for the areas using the unrevised certificate and for the areas using the revised certificate.

Alcohol use during pregnancy

Data on alcohol use are not collected in the 2003 Standard Certificate of Live Birth. Data on alcohol use during pregnancy from the 1989 Standard Certificate are available for 40 states for the full data year of 2004 and the initial months of 2004 for Florida and New Hampshire. Alcohol use data are not collected on California’s birth certificate. Supplemental 2004 tables for data exclusive to the 1989 Revision, including alcohol use during pregnancy, are available on the NCHS website (www.cdc.gov/nchs).

Alcohol use during pregnancy is a major, independent risk factor and it is implicated as well in delayed infant and child development [34, 35]. Unfortunately, alcohol use is substantially underreported on the birth certificate, compared with data collected in nationally representative surveys of pregnant women. The birth certificate question on alcohol use from the 1989 revision is evidently not sensitive enough to measure this behavior accurately. The question’s wording as well as the lack of specific time reference for the birth certificate questions are probable factors contributing to the underreporting. In addition, the stigma of maternal alcohol use likely contributes to the underreporting [36, 37].

Prenatal care

Information on the timing of prenatal care is available for both the revised and unrevised Certificates of Live Birth. However, the 2003 revision of the birth certificate introduced substantive changes in item wording and also to the sources of prenatal

information. The wording of the prenatal care item was modified to “Date of first prenatal visit” from “Month prenatal care began.” In addition, the 2003 revision process resulted in recommendations that the prenatal care information be gathered from the prenatal care or medical records, whereas the 1989 revision did not recommend a source for these data. Accordingly, prenatal care data for the two revisions are not directly comparable.

For the complete data year 2004, unrevised data on prenatal care are available for 41 states, New York City and the District of Columbia. Revised data for 7 states (Idaho, Kentucky, New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington) are available for all of 2004. Florida and New Hampshire implemented the revised certificate after January 1, 2004.

As noted above, the revised prenatal care item is substantively different from the unrevised question. One result is that levels of utilization of prenatal care based on revised data are substantially lower than those based on unrevised data. For example, unrevised 2003 data for Kentucky indicate that 87.0 of residents began care in the first trimester of pregnancy in 2003. This compares with a level of 74.5 percent based on 2004 revised data. Much, if not all of the difference between 2003 and 2004 for Kentucky and other revised states, is related to changes in reporting and *not* to changes in prenatal care utilization. Prenatal care utilization results are shown separately according to the two revisions in tables E, 26(a) and 26(b) of the report “Birth: Final Data for 2004” [3].

The 2004 natality data file includes a variable, The Adequacy of Prenatal Care Utilization Index (APNCU). The APNCU is an alternative measure of prenatal care timing which takes into account the number of prenatal care visits and gestational age of the newborn at delivery [38, 39]. The index in the file is a 4 point scale ranging from “inadequate” to “adequate plus care”. See table G of the report “Birth: Final Data for 2004” [3].

Tabulations of the number of prenatal visits were presented for the first time in 1972. Beginning in 1989, these data were collected from the birth certificates of all states.

Obstetric procedures

The 2003 Standard Certificate of Live Birth (revised) includes three specific check boxes for obstetric procedures; the 1989 certificate includes six procedures. Both certificates have a format which permits the selection of multiple procedures. Birth records with “Obstetric procedures” left blank are considered “not stated.” Definitions for the unrevised procedures are adapted and abbreviated from a set of definitions compiled by a committee of Federal and State health statistics officials for the National Association for Public Health Statistics and Information Systems (NAPHSIS) [3]. Definitions for the revised items are included in the detailed facility worksheet guidebook for the 2003 revised certificate only [15]. Reporting areas and reporting completeness for obstetric procedures are indicated in table A of this Appendix.

Tables H and 25 of the report: “Births: Final Data for 2004” [3] provide data for the two procedures comparable to both certificates – tocolysis and induction of labor. Supplemental 2004 tables for obstetric procedures exclusive to the 1989 Revision are available on the NCHS website (www.cdc.gov/nchs). A forthcoming report will present selected obstetric procedure tables exclusive to the 2003 Revision.

Characteristics of labor and of delivery

The 2003 Standard Certificate of Live Birth (revised) includes nine specific check boxes for characteristics of labor and delivery; fifteen characteristics are reported on the 1989 (unrevised) certificate. Both certificates have a format which allows for the reporting of more than one characteristic and includes a choice of “none”. Birth records with “characteristics” left blank are considered “not stated.” Three characteristics: precipitous labor, breech position, and meconium staining are comparable between the two certificates. The percent of records on which labor and delivery items were not stated and notes on reporting areas are found in table A.

The complication rates for selected labor/delivery characteristics and their respective reporting areas are given in table 25 in the report “Birth: Final Data for 2004” [3]. Supplemental 2004 tables for characteristics of labor and delivery exclusive to the 1989 revision are available on the NCHS website (www.cdc.gov/nchs). A forthcoming report will present selected labor and delivery information exclusive to the 2003 revision.

Definitions for revised and unrevised items are available elsewhere [3, 15].

Place of delivery and attendant at birth

Both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth include separate categories for hospitals, freestanding birthing centers, residence, and clinic or doctor's office as the place of birth. In addition, the 2003 certificate queries whether the home birth was planned to be a home delivery.

For both the revised and unrevised certificates, four professional categories of attendants are medical doctors, doctors of osteopathy, certified nurse midwives, and other midwives. Procedures in some hospitals may require that a physician be listed as the attendant for every birth and that a physician sign each birth certificate, even if the birth is attended by a midwife and no physician is physically present. Therefore, the number of live births attended by midwives may be understated.

Additional information on births occurring outside of hospitals, and on birth attendants can be found elsewhere [2].

Tabulations of place of birth and birth attendant are found in table 27 of the report: "Births Final Data for 2004" [3].

Method of delivery

Information on the method of delivery is collected on both the 2003 Standard Certificate of Live Birth (revised) and the 1989 Standard Certificate of Live Birth (unrevised). However, the 2003 revised item is substantially modified from the 1989 item. The 1989 certificate includes, among others, direct questions on vaginal birth after previous cesarean section (VBAC), and primary or repeat cesarean delivery. In contrast, the revised certificate includes a direct question on previous cesarean delivery; whether the delivery was a primary cesarean or was a VBAC must be derived from a question on previous cesarean deliveries under the separate item "Risk Factors in this Pregnancy".

Despite substantive changes to the method of delivery item, the total numbers and percents of vaginal and cesarean deliveries appear to be very consistent between revisions. (See tables 28-30 from the report: "Birth: Final Data for 2004" [3]). However, information on whether the delivery is a VBAC, primary cesarean, or repeat cesarean appears to be less comparable. In brief, data for the revised states show higher- than-

expected VBAC and primary cesarean rates, and lower- than- expected repeat cesarean rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard certificate of live birth. The changes to the method of delivery item appear to have a small impact (2-3 percent) on the national primary and VBAC rates shown in the 2004 natality report [3]. Measures which incorporate these data to compare changes across revisions for individual states should be interpreted with caution.

Information on forceps and vacuum delivery are also available from both revisions of the birth certificate; these data appear to be comparable between revisions. The 2003 revision item was also expanded to include questions on whether attempted forceps or vacuum deliveries were successful, and whether a trial of labor was attempted prior to cesarean delivery. These and other new data on method of delivery are available on the 2004 file and will be presented in a forthcoming report.

Several rates are computed for method of delivery. The overall cesarean section rate or total cesarean rate is computed as the proportion of all births that were delivered by cesarean section. The primary cesarean rate is a measure that relates the number of women having a primary cesarean birth to all women giving birth who have never had a cesarean delivery. The denominator for this rate is the sum of women with a vaginal birth excluding VBACs and women with a primary cesarean birth. The VBAC delivery rate is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean section.

Period of gestation

The period of gestation is defined as beginning with the first day of the last normal menstrual period (LMP) and ending with the day of the birth. The LMP is used as the initial date because it can be more accurately determined than the date of conception, which usually occurs 2 weeks after the LMP. LMP measurement is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of post-conception bleeding, delayed ovulation, or intervening early miscarriage.

Births occurring before 37 completed weeks of gestation are considered to be preterm for purposes of classification. At 37–41 weeks gestation, births are considered to be term, and at 42 completed weeks and over, post-term. These distinctions are according

to the ICD-9 and ICD-10 [8] definitions. See tables 31 and 32 in the 2004 natality report.

Before 1981, the period of gestation was computed only when there was a valid month, day, and year of LMP. However, length of gestation could not be determined from a substantial number of live-birth certificates each year because the day of LMP was missing. Beginning in 1981, weeks of gestation have been imputed for records with missing day of LMP when there is a valid month and year. The imputation procedure and its effect on the data are described elsewhere [2, 40]. But reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations. Changes in reporting of this measure over time have apparently affected trends in preterm birth rates, particularly by race [41].

The 1989 revision of the U.S. Standard Certificate of Live Birth includes an item, "Clinical estimate of gestation" (CE); in the 2003 revision of the certificate, the item is "Obstetric estimate of gestation" (OE) – see definitions [15]. Both measures are in completed weeks. The OE and the CE are compared with length of gestation computed from the LMP date when the latter appears to be inconsistent with birthweight. This is done for normal weight births of apparently short gestations and very low birthweight births reported to be full term. The procedures are described in the NCHS instruction manuals, part 12, (see NCHS [31] for the 1989 revision; NCHS [42] for the 2003 revision). The clinical/obstetric estimate is reported by all areas except California for 2004.

The period of gestation for 5.9 percent of the births in 2004 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical/obstetric estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical/obstetric estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for 1,302 births or 0.04 percent of all birth records in 2004, significantly higher than for 2003. Despite these edits, substantial incongruities in these data persist; research is ongoing to address these data deficiencies. Gestational age data are shown in tables 31 and 32 of the report: "Births: Final Data for

2004.”

Birthweight

In some areas birthweight is reported in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. The categories for birthweight are consistent with the recommendations in the *International Classification of Diseases, Ninth Revision* (ICD–9) and the *International Classification of Diseases, Tenth Revision* (ICD–10) [8]. The categories in gram intervals and their equivalents in pounds and ounces are as follows:

Less than 500 grams = 1 lb 1 oz or less
500–999 grams = 1 lb 2 oz–2 lb 3 oz
1,000–1,499 grams = 2 lb 4 oz–3 lb 4 oz
1,500–1,999 grams = 3 lb 5 oz–4 lb 6 oz
2,000–2,499 grams = 4 lb 7 oz–5 lb 8 oz
2,500–2,999 grams = 5 lb 9 oz–6 lb 9 oz
3,000–3,499 grams = 6 lb 10 oz–7 lb 11 oz
3,500–3,999 grams = 7 lb 12 oz–8 lb 13 oz
4,000–4,499 grams = 8 lb 14 oz–9 lb 14 oz
4,500–4,999 grams = 9 lb 15 oz–11 lb 0 oz
5,000 grams or more = 11 lb 1 oz or more

ICD–9 and ICD–10 define low birthweight as less than 2,500 grams. This is a shift of 1 gram from the previous criterion of 2,500 grams or less, which was recommended by the American Academy of Pediatrics in 1935 and adopted in 1948 by the World Health Organization in the *International Lists of Diseases and Causes of Death, Sixth Revision* [43]. Very low birthweight is defined as less than 1,500 grams.

To establish the continuity of class intervals needed to convert pounds and ounces to grams, the end points of these intervals are assumed to be half an ounce less at the lower end and half an ounce more at the upper end. For example, 2 lb 4 oz–3 lb 4 oz is interpreted as 2 lb 3 ½ oz–3 lb 4 ½ oz. Births for which birthweights are not reported are excluded from the computation of percentages. The panel that proposed the 2003 Revised Certificate recommended that birthweight be reported in grams rather than pounds for data entry [12].

Birthweight data are shown in tables 31, 32, 34–36 of the 2004 natality report [3].

Apgar score

The 1– and 5–minute Apgar scores were added to the U.S. Standard Certificate of Live Birth in 1978 to evaluate the condition of the newborn infant at 1 and 5 minutes after birth. The 2003 revised certificate asks for a 10 minute score if the 5 minute score was less than 6. The Apgar score is a measure of the need for resuscitation and a predictor of the infant's chances of surviving the first year of life. It is a summary measure of the infant's condition based on heart rate, respiratory effort, muscle tone, reflex irritability, and color. Each of these factors is given a score of 0, 1, or 2; the sum of these 5 values is the Apgar score, which ranges from 0 to 10. A score of 0 to 3 indicates an infant in need of resuscitation; a score of 4 to 6 is considered intermediate; a score of 7 or greater indicates that the neonate is in good to excellent physical condition.

Beginning in 1995, NCHS collected information only on the 5–minute Apgar score. Since 1991, the reporting area for the 5–minute Apgar score has been comprised of 48 states and the District of Columbia. California and Texas did not collect information on Apgar scores on their birth certificates. For 0.5 percent of the births in the reporting area, there were no Apgar scores reported. Five minute Apgar scores are given in Table L of the report: “Birth: Final Data for 2004” [3]. Revised data for the 10 minute score are not available in the 2004 file.

Plurality

Comparable plurality data are reported in the 2003 and 1989 Standard Certificates of Live Birth. In this file, plurality is classified as single, twin, triplet, quadruplet, and quintuplet and higher order births. Each record in the natality file represents an individual birth. For example, a record coded as a twin represents one birth in a twin delivery. Pairs or sets of twins or higher order multiple births are not identified in this file. The Matched Multiple Birth File 1995-2000 [44] includes information on sets of twin, triplet and quadruplets, thus allowing for the analysis of characteristics of sets of births and fetal deaths in multiple deliveries.

Numbers and rates of births by plurality are given in tables 37 -- 39 of the report: “Birth: Final Data for 2004” [3]. Records for which plurality is unknown are imputed as singletons. This occurred for 0.003 percent of all records for 2004.

Abnormal conditions of the newborn

Information on abnormal conditions of the newborn is obtained from the checkboxes on the 1989 and 2003 certificate revisions. There are seven specific abnormal conditions included on the 2003 revised birth certificate; eight are included on the 1989 certificate. More than one abnormal condition may be reported for a given birth or “None” may be selected. If the item is not completed it is tabulated as not stated.

There are no comparable abnormal conditions between the 1989 and 2003 certificate. However, both unrevised and revised items are included in the 2004 Natality Public Use File. Supplemental 2004 tables for abnormal conditions of the newborn exclusive to the 1989 Revision are available on the NCHS website (www.cdc.gov/nchs). A forthcoming report will present selected abnormal conditions information exclusive to the 2003 Revision. Definitions are available elsewhere [3, 15]. For information on reporting areas and for percent of birth records with conditions not stated, see table A.

Congenital anomalies of the newborn

Twelve specific anomalies or anomaly groups are collected on the 2003 Standard Certificate of Live Birth, 21 anomalies are collected on the 1989 Standard Certificate of Live Birth. The checkbox format allows for the identification of more than one anomaly including a choice of “None” should no anomalies be evident. The “not stated” category includes birth records for which the item is not completed.

There are five congenital anomalies in common to the two revisions of the birth certificate: anencephalus, spina bifida/meningocele, omphalocele/gastroschisis, cleft lip/palate and Downs syndrome; see table 25 of the report “Births: Final Data for 2004” [3].

It is well documented that congenital anomalies, except for the most visible and most severe, are incompletely reported on birth certificates [45]. The completeness of reporting specific anomalies depends on how easily they are recognized in the short time between birth and birth-registration. For 1.2 of the birth records, there were incomplete check boxes for congenital anomalies.

Definitions for the revised and unrevised congenital anomalies are available elsewhere [3,15]. See table A for reporting areas and for percent of records for which data on congenital anomalies is not stated.

Quality of Data

Although vital statistics data are useful for a variety of administrative and scientific purposes, they cannot be correctly interpreted unless various qualifying factors and methods of classification are taken into account. The factors to be considered depend on the specific purposes for which the data are to be used. It is not feasible to discuss all the pertinent factors in the use of vital statistics tabulations, but some of the more important ones should be mentioned.

Most of the factors limiting the use of data arise from imperfections in the original records or from the impracticability of tabulating these data in very detailed categories. These limitations should not be ignored, but their existence does not lessen the value of the data for most general purposes.

Completeness of registration

It is estimated that more than 99 percent of all births occurring in the United States in 2004 were registered. These estimates are based on the results of a national 1964–68 test of birth-registration completeness according to place of delivery (in or out of hospital) and race (white and non-white). This test has not been conducted more recently. A detailed discussion of the method and results of the 1964–68 birth-registration test is available [46]. Information on procedures for adjusting births for under registration (for cohort fertility tables) is presented elsewhere [2].

Completeness of reporting

Interpretation of these data must include evaluation of item completeness. The “Not stated” percentage is one measure of the quality of the data. Completeness of reporting varies among items and states. See table A for the percentage of birth records on which specified items were not stated. Data users should note that levels of incomplete or inaccurate reporting for some of the items are quite high in some states. The 2004 data for Alaska and the District of Columbia are of particular concern.

Quality control procedures

As electronic files are received at NCHS, they are automatically checked for completeness, individual item code validity, and unacceptable inconsistencies between data items. The registration area is notified of any problems. In addition, NCHS staff

reviews the files on an ongoing basis to detect problems in overall quality such as inadequate reporting for certain items, failure to follow NCHS coding rules, and systems and software errors. Traditionally, quality assurance procedures were limited to the review and analysis of differences between NCHS and registration area code assignments for a small sample of records. In recent years, as electronic birth registration became prevalent, this procedure was augmented by analyses of year-to-year and area-to-area variations in the data. These analyses are based on preliminary tabulations of the data that are cumulated by state on a year-to-date basis each month. NCHS investigates all differences that are judged to have consequences for quality and completeness. In the review process, statistical tests are used to call initial attention to differences for possible follow-up. As necessary, registration areas are informed of differences encountered in the tables and asked to verify the counts or to determine the nature of the differences. Missing records (except those permanently voided) and other problems detected by NCHS are resolved, and corrections are transmitted to NCHS in the same manner as for those corrections identified by the registration area.

Computation of Rates and Other Measures

Population bases

Estimation by age, sex, race and Hispanic origin—Birth and fertility rates for 2004 shown in tables 1, 3–5, 7-9, 11, 14-15, 21, A, and B in the report: “Births: Final Data for 2004” [3] are computed using 2000 census-based post-censal (population) estimates as of July 1, 2004. These populations are shown in tables 4-2 and 4-3. The population estimates have been provided by the U.S. Census Bureau [47] and are based on the 2000 census counts by age, sex, race, and Hispanic origin, which have been modified to be consistent with Office of Management and Budget racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere [48].

Birth and fertility rates by state shown in table 10 of the report: “Births: Final Data for 2004” [3] use 2000 census-based state-level post-censal population estimates provided by the U.S. Census Bureau [47]. Rates by state shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates

by month shown in table 16 of the 2004 natality final report [3] are based on monthly population estimates. Rates for unmarried women shown in tables 18 and 19 of the 2004 natality final report [3] are based on distributions of the population by marital status as of March 2004 as reported by the U.S. Census Bureau in the March Current Population Survey (CPS) [49], which have been adjusted to July 2004 population levels [47] by the Division of Vital Statistics, NCHS [3]. Birth and fertility rates for the Hispanic population, shown in tables 5, 7, 8, 9, and 15 of the 2004 natality final report [3], are based on estimates of the total Hispanic population as of July 1, 2004 [47]. Rates for Hispanic subgroups are based on special population estimates that are presented in table 4-3. Information about allocation to Hispanic subgroups is presented elsewhere [50].

The populations by race used in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are 2000 census-based post-censal estimates. Reflecting the new guidelines issued in 1997 by the Office of Management and Budget (OMB), the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members [22]. In addition, the 1997 OMB guidelines called for reporting of Asian persons separately from Native Hawaiians or other Pacific Islanders. In the 1977 OMB guidelines, data for Asian or Pacific Islander persons were collected as a single group [21]. Except for fifteen states, birth certificates currently report only one race for each parent in the categories specified in the 1977 OMB guidelines (see “Hispanic origin, race and national origin”). In addition, unrevised birth certificate data do not report Asians separately from Native Hawaiians or other Pacific Islanders. Thus, birth certificate data by race (the numerators for birth and fertility rates) currently are incompatible with the population data collected in the 2000 census (the denominators for the rates).

To produce birth and fertility rates for 2000 through 2004, it was necessary to “bridge” the population data for multiple race persons back to single race categories. In addition, the postcensal estimates were modified to be consistent with the 1977 OMB racial categories, that is, to report the data for Asian persons and Native Hawaiians or other Pacific Islanders as a combined category Asian or Pacific Islanders [51]. The procedures used to produce the “bridged” populations are described in separate publications [23,24]. In 2003, six states began reporting multiple race data; and in 2004,

15 states. Once all states revise their birth certificates to be compliant with the 1997 OMB standards, the use of “bridged” populations can be discontinued.

Populations used to calculate the rates for 1991–99 are based on population estimates as of July 1 of each year and were produced by the U.S. Census Bureau, with support from the National Cancer Institute [23, 47, 52, 53]. These intercensal population estimates for 1991–99 are based on the April 1, 2000 Census. The bridged rates for 1990 and 2000 are based on populations from the censuses in those years as of April 1.

Readers should keep in mind that the population data used to compile birth and fertility rates by race and ethnicity shown in this report are based on special estimation procedures, and are not actual counts. This is the case even for the 2000 populations that are based on the 2000 census. As a result, the estimation procedures used to develop these populations may contain some errors. Smaller populations, for example, American Indians, are likely to be affected much more than larger populations by potential measurement error [23]. While the nature and magnitude of error is unknown, the potential for error should be kept in mind when evaluating trends and differentials.

As more accurate information becomes available, further revisions of the estimates may be necessary. Additional information on the revised populations is available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

Residential population base— Birth rates for the United States, individual states, and metropolitan areas are based on the total resident populations of the respective areas (table 4-4). Except as noted, these populations exclude the Armed Forces abroad but include the Armed Forces stationed in each area. The residential population of the birth-and death-registration states for 1900–1932 and for the United States for 1900–2004 is shown in table 4-1. In addition, the population including Armed Forces abroad is shown for the United States. Table D shows the sources for these populations. A detailed discussion of historical population bases is presented elsewhere [2].

Small populations as denominators— An asterisk (*) is shown in place of any derived rate based on fewer than 20 births in the numerator, or a population denominator of less than 50 (unweighted) for decennial years and 75,000 (weighted) for all other years for the Hispanic subgroups. Rates based on populations below these minimum levels lack

sufficient reliability for analytic purposes.

Net census undercounts and overcounts— Studies conducted by the U.S. Census Bureau indicate that some age, race, and sex groups are more completely enumerated than others. Census miscounts can have consequences for vital statistics measures. For example, an adjustment to increase the population denominator would result in a smaller rate compared to the unadjusted rate. A more detailed discussion of census undercounts and overcounts can be found in the “1999 Technical Appendix” [2]. Adjusted rates for 2000 can be computed by multiplying the reported rates by ratios from the 2000 census-level population adjusted for the estimated age-specific census over- and undercounts, which are shown in table E.

Cohort fertility tables

Various fertility measures for cohorts of women are computed from births adjusted for underregistration and population estimates corrected for under enumeration and misstatement of age. Data published after 1974 use revised population estimates prepared by the U.S. Census Bureau and have been expanded to include data for the two major racial groups. Heuser [54] has prepared a detailed description of the methods used in deriving these measures as well as more detailed data for earlier years. The series of cohort fertility tables are being revised to incorporate rates for black women and the revised intercensal population estimates of the 1990s. A publication is forthcoming.

Parity distribution—The percentage distribution of women by parity (number of children ever born alive to mother) is derived from cumulative birth rates by order of birth. The percentage of 0-parity women is found by subtracting the cumulative first birth rate from 1,000 and dividing by 10. The proportions of women at parities one through six are found from the following formula:

$$\text{Percent at } N \text{ parity} = ((\text{cum. rate, order } N) - (\text{cum. rate, order } N + 1)) / 10$$

The percentage of women at seventh and higher parities is found by dividing the cumulative rate for seventh-order births by 10.

Birth probabilities—Birth probabilities indicate the likelihood that a woman of a certain parity and age at the beginning of the year will have a child during the year. Birth probabilities differ from central birth rates in that the denominator for birth probabilities is specific for parity as well as for age.

Total fertility rates

The total fertility rate is the sum of the birth rates by age of mother (in 5-year age groups) multiplied by 5. It is an age-adjusted rate because it is based on the assumption that there is the same number of women in each age group. The rate of 2,045.5 in 2004, for example, means that if a hypothetical group of 1,000 women were to have the same birth rates in each age group that were observed in the actual childbearing population in 2004, they would have a total of 2,046 children by the time they reached the end of the reproductive period (taken here to be age 50 years), assuming that all of the women survived to that age.

Seasonal adjustment of rates

The seasonally adjusted birth and fertility rates are computed from the X-11 variant of Census Method II [55]. This method, used since 1964, differs slightly from the U.S. Bureau of Labor Statistics (BLS) Seasonal Factor Method, which was used for *Vital Statistics of the United States*, 1964. The fundamental technique is the same in that it is an adaptation of the ratio-to-moving-average method. Before 1964, the method of seasonal adjustment was based on the X-9 variant and other variants of Census Method II. A comparison of the Census Method II with the BLS Seasonal Factor Method shows the differences in the seasonal patterns of births to be negligible.

Computations of percentages, percentage distributions, and means

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percentages, percentage distributions, and means were computed. The percentage of records with missing information for each item is shown by state in table A. The mean age of mother is the arithmetic average of the age of mothers at the time of birth, computed directly from the frequency of births by age of mother. An asterisk is shown in place of any derived statistic based on fewer than 20 births in the numerator or denominator.

Computation of Measures of Variability

Random variation and significance testing for natality data

This detailed discussion of random variation and significance testing for natality

data is similar to that in the “Technical Notes” of “Births: Final data for 2004” [3]. The number of births reported for an area is essentially a complete count, because more than 99 percent of all births are registered. Although this number is not subject to sampling error, it may be affected by nonsampling errors such as mistakes in recording the mother’s residence or age during the registration process.

When the number of births is used for analytic purposes (that is, for the comparison of numbers, rates, and percents over time, for different areas, or between different groups), the number of events that *actually* occurred can be thought of as one outcome in a large series of possible results that *could have* occurred under the same (or similar) circumstances. When considered in this way, the number of births is subject to random variation and a probable range of values estimated from the actual figures, according to certain statistical assumptions.

The confidence interval is the range of values for the number of births, birth rates, or percent of births that you could expect in 95 out of 100 cases. The confidence limits are the end points of this range of values (the highest and lowest values). Confidence limits tell you how much the number of events or rates could vary under the same (or similar) circumstances.

Confidence limits for numbers, rates, and percents can be estimated from the actual number of vital events. Procedures differ for rates and percents and also differ depending on the number of births on which these statistics are based. Below are detailed procedures and examples for each type of case.

When the number of vital events is large, the distribution is assumed to follow a normal distribution (where the relative standard error is small). When the number of events is small and the probability of the event is small, the distribution is assumed to follow a Poisson probability distribution. Considerable caution should be observed in interpreting the occurrence of infrequent events.

95-percent confidence limits for numbers less than 100 -- When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution [56]. Confidence limits are estimated using the following formulas:

$$\text{Lower limit} = B \times L$$

$$\text{Upper limit} = B \times U$$

where:

B = number of births

L = the value in table C that corresponds to the number B

U = the value in table C that corresponds to the number B

Example

Suppose that the number of first births to American Indian women 40-44 years of age was 47. The confidence limits for this number would be:

$$\begin{aligned}\text{Lower limit} &= 47 \times 0.73476 \\ &= 35\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 47 \times 1.32979 \\ &= 63\end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to American Indian women 40-44 years of age would lie between 35 and 63.

95-percent confidence limits for numbers of 100 or more — When the number of events is greater than 100, the data are assumed to approximate a normal distribution. Formulas for 95-percent confidence limits are:

$$\text{Lower limit} = B - (1.96 \times \sqrt{B})$$

$$\text{Upper limit} = B + (1.96 \times \sqrt{B})$$

where:

B = number of births

Example

Suppose that the number of first births to white women 40-44 years of age was

14,108. The 95-percent confidence limits for this number would be:

$$\begin{aligned}\text{Lower limit} &= 14,108 - (1.96 \times \sqrt{14,108}) \\ &= 14,108 - 233 \\ &= 13,875\end{aligned}$$

$$\begin{aligned}\text{Lower limit} &= 14,108 + (1.96 \times \sqrt{14,108}) \\ &= 14,108 + 233 \\ &= 14,341\end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to white women 40-44 years of age would fall between 13,875 and 14,341.

Computing confidence intervals for rates -- The same statistical assumptions can be used to estimate the variability in birth rates. Again, one formula is used for rates based on numbers of events less than 100, and another formula for rates based on numbers of 100 or greater. For our purposes, assume that the denominators of these rates (the population estimates) have no error. While this assumption is technically correct *only* for denominators based on the census that occurs every 10 years, the error in intercensal population estimates is usually small, difficult to measure, and therefore not considered. (See, however, earlier discussion of population denominators in the section on "population bases".)

95-percent confidence limits for rates based on fewer than 100 events — As stated earlier, when the number of events in the numerator is less than 20 (or the population denominator is less than 50 for decennial years and 75,000 for all other years for an estimated subgroups), an asterisk (*) is shown in place of the rate because there were too few births or the population is too small to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100 (and the population denominator for the subgroups is above the minimum), the confidence interval for a rate can be estimated using the two formulas which follow and the values in table C.

$$\text{Lower limit} = R \times L$$

$$\text{Upper limit} = R \times U$$

where:

R = birth rate

L = the value in table C that corresponds to the number of events B

U = the value in table C that corresponds to the number of events B

Example

Suppose that the first birth rate for American Indian women 40-44 years of age was 0.50 per thousand, based on 47 births in the numerator. Using table C:

$$\begin{aligned}\text{Lower limit} &= 0.50 \times 0.73476 \\ &= 0.37\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 0.50 \times 1.32979 \\ &= 0.66\end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for American Indian women 40-44 years of age would be between 0.37 and 0.66.

95-percent confidence limits for rates when the numerator is 100 or more -- In this case, use the following formula for the birth rate R based on the number of births B :

$$\text{Lower limit} = R - (1.96 \times (R / \sqrt{B}))$$

$$\text{Upper limit} = R + (1.96 \times (R / \sqrt{B}))$$

where:

R = birth rate

B = number of births

Example

Suppose that the first birth rate for white women 40-44 years of age was 1.55 per thousand, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 1.55 - \left(1.96 \times \left(1.55 / \sqrt{14,108}\right)\right) \\ &= 1.55 - 0.026 \\ &= 1.52\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 1.55 + \left(1.96 \times \left(1.55 / \sqrt{14,108}\right)\right) \\ &= 1.55 + 0.026 \\ &= 1.58\end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for white women 40-44 years of age lies between 1.52 and 1.58.

Computing 95-percent confidence intervals for percents -- In many instances we need to compute the confidence intervals for percents. Percents derive from a binomial distribution. As with birth rates, an asterisk (*) will be shown for any percent which is based on fewer than 20 births in the numerator. We easily compute a 95-percent confidence interval for a percent when the following conditions are met:

$$B \times p \geq 5 \text{ and } B \times q \geq 5$$

where:

- B = number of births in the denominator
- p = percent divided by 100
- q = $1 - p$

For natality data, these conditions will be met except for very rare events in small subgroups. If the conditions are not met, the variation in the percent will be so large as to render the confidence intervals meaningless. When these conditions are met the 95-percent confidence interval can be computed using the normal approximation of the

binomial. The 95-percent confidence intervals are computed by the following formulas:

$$\text{Lower limit} = p - \left(1.96 \cdot \left(\sqrt{p \cdot q / B} \right) \right)$$

$$\text{Upper limit} = p + \left(1.96 \cdot \left(\sqrt{p \cdot q / B} \right) \right)$$

where:

p = percent divided by 100

q = $1-p$

B = number of births in the denominator

Example

Suppose that the percent of births to Hispanic women in Arizona that were to unmarried women was 49.7 percent. This was based on 14,751 births in the numerator and 29,682 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

$$29,682 \times 0.497 = 14,752$$

$$29,682 \times (1 - 0.497) = 29,682 \times 0.503 = 14,930$$

Both 14,752 and 14,930 are greater than 5 so we can proceed. The 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 0.497 - \left(1.96 \cdot \left(\sqrt{0.497 \cdot 0.503 / 29,682} \right) \right) \\ &= 0.497 - 0.006 \\ &= 0.491 \text{ or } 49.1 \text{ percent}\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 0.497 + \left(1.96 \cdot \left(\sqrt{0.497 \cdot 0.503 / 29,682} \right) \right) \\ &= 0.497 + 0.006 \\ &= 0.503 \text{ or } 50.3 \text{ percent}\end{aligned}$$

This means that the chances are 95 out of 100 that the actual percent of births to unmarried Hispanic women in Arizona is between 49.1 and 50.3 percent.

Significance testing when one or both of the rates is based on fewer than 100 cases -- To compare two rates, when one or both of those rates are based on less than 100 cases, you first compute the confidence intervals for both rates. Then you check to see if those intervals overlap. If they **do** overlap, the difference is not statistically significant at the 95-percent level. If they **do not** overlap, the difference is indeed statistically significant.

Example

Suppose that the first birth rate for American Indian women 40-44 years of age was 0.70 per 1,000 in year X and 0.57 in year Y. Is the rate for year X significantly higher than the rate for year Y? The two rates are based on 63 events in year X and 54 events in year Y. Both rates are based on fewer than 100 events; therefore, the first step is to compute the confidence intervals for both rates.

	Lower Limit	Upper Limit
Year X	0.54	0.90
Year Y	0.43	0.74

These two confidence intervals overlap. Therefore, the first birth rate for American women 40-44 in year X is not significantly higher (at the 95-percent confidence level) than the rate in year Y.

This method of comparing confidence intervals is a conservative test for statistical significance. That is, the difference between two rates may, in fact, be statistically significant even though confidence intervals for the two rates overlap [57]. Thus, caution should be observed when interpreting a non-significant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

Significance testing when both rates are based on 100 or more events -- When both rates are based on 100 or more events, the difference between the two rates, irrespective of sign (+/-), is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 \times \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where:

- R_1 = first rate
- R_2 = second rate
- N_1 = first number of births
- N_2 = second number of births

If the difference is **greater** than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is **less than or equal** to this statistic, the difference might occur by chance more than 5 times out of 100. We say that the difference is not statistically significant at the 95-percent confidence level.

Example

Is the first birth rate for black women 40-44 years of age (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is $1.55 - 1.08 = 0.47$. The statistic is then calculated as follows:

$$\begin{aligned} &= 1.96 \times \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}} \\ &= 1.96 \times \sqrt{(1.166/1,535) + (2.403/14,108)} \\ &= 1.96 \times \sqrt{0.00076 + 0.00017} \\ &= 1.96 \times \sqrt{0.00093} \\ &= 1.96 \times 0.03 \\ &= 0.06 \end{aligned}$$

The difference between the rates (0.47) is greater than this statistic (0.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

Significance testing differences between two percents -- When testing the difference between two percents, both percents must meet the following conditions:

$$B \times p \geq 5 \text{ and } B \times q \geq 5$$

where:

- B = number of births in the denominator
 p = percent divided by 100
 q = $1 - p$

When both percents meet these conditions then the difference between the two percents is considered statistically significant if it is greater than the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two percents.

$$1.96 \times \sqrt{p \times (1-p) \times \left(\frac{1}{B_1} + \frac{1}{B_2} \right)}$$

where:

- B_1 = number of births in the denominator of the first percent
 B_2 = number of births in the denominator of the second percent

$$p = \frac{B_1 \times p_1 + B_2 \times p_2}{B_1 + B_2}$$

p_1 = the first percent divided by 100
 p_2 = the second percent divided by 100

Example

Is the percent of births to Hispanic women that were to unmarried women higher in New Mexico (50.2) than in Arizona (49.7)? Suppose that the number in the denominator was 13,714 in New Mexico and 29,682 in Arizona. The necessary conditions are met for both percents (calculations not shown). The difference between the two percents is $0.502 - 0.497 = 0.005$. The statistic is then calculated as follows:

$$\begin{aligned}
& 1.96 \times \sqrt{0.499 \times (0.501) \times (0.000106609)} \\
& = 1.96 \times \sqrt{0.000026652} \\
& = 1.96 \times 0.005162563 \\
& = 0.010
\end{aligned}$$

The difference between the percents (0.005) is less than this statistic (0.010). Therefore, the difference is not statistically significant at the 95-percent confidence level.

Random variation and significance testing for population subgroups

This section presents information relevant to Hispanic subgroups (or generally speaking, any subgroup of the population for which survey data has been used for estimation of the denominator.) Birth and fertility rates for Mexicans, Puerto Ricans, Cubans, and “Other” Hispanic subgroups for 2004 are shown in tables 5,6, 8, and 15 of 2004 natality final report [3] and in tables 1-4 and 1-12 of “Vital Statistics of the United States, 2004, Part 1, Natality” (in preparation). Population estimates for Hispanic subgroups are derived from the U.S. Census Bureau’s *Current Population Survey* (CPS) and adjusted to resident population control totals as shown in table 4-3 [47, 50]. As a result, the rates are subject to the variability of the denominator as well as the numerator. For these Hispanic subgroups (but not for all origin, total Hispanic, total non-Hispanic, non-Hispanic white, or non-Hispanic black populations), the following formulas are used for testing statistical significance in trends and differences:

Approximate 95-percent confidence interval: 100 or more births -- When the number of events in the numerator is greater than 100, the confidence interval for the birth rate can be estimated from the following formulas: For crude and age-specific birth rates,

$$\text{Lower limit} = R - 1.96 * R * \sqrt{\left(\frac{1}{B}\right) + f\left(a + \frac{b}{P}\right)}$$

$$\text{Upper limit} = R + 1.96 * R * \sqrt{\left(\frac{1}{B}\right) + f\left(a + \frac{b}{P}\right)}$$

where:

- R = rate (births per 1,000 population)
- B = total number of births upon which rate is based
- f = the factor which depends on whether an entire or a sampled population (like one from a Current Population Survey – CPS) is used, and the span of years represented. f equals 0.670 for a single year
- a and b of the example are single year averages of the 2002 and 2003 CPS standard error parameters [58, 59]
- a = -0.000096
- b = 3,809
- P = total estimated population upon which rate is based

Example

Suppose that the fertility rate of Cuban women 15–44 years of age was 51.2 per 1,000 based on 13,088 births in the numerator and an estimated resident population of 255,399 in the denominator. The 95-percent confidence interval would be:

$$\begin{aligned}
 \text{Lower limit} &= 51.2 - 1.96 * 51.2 * \sqrt{\left(\frac{1}{13,088}\right) + 0.670 * \left[-0.000096 + \left(\frac{3,809}{255,399}\right)\right]} \\
 &= 51.2 - 1.96 * 51.2 * \sqrt{0.000076406 + (0.670 * 0.014914)} \\
 &= 51.2 - 1.96 * 51.2 * \sqrt{0.01000475} \\
 &= 51.2 - 1.96 * 51.2 * 0.100024 \\
 &= 41.16
 \end{aligned}$$

$$\begin{aligned}
 \text{Upper limit} &= 51.2 + 1.96 * 51.2 * \sqrt{\left(\frac{1}{13,088}\right) + 0.670 * \left[-0.000096 + \left(\frac{3,809}{255,399}\right)\right]} \\
 &= 51.2 + 1.96 * 51.2 * \sqrt{0.000076406 + (0.670 * 0.014914)} \\
 &= 51.2 + 1.96 * 51.2 * \sqrt{0.01000475} \\
 &= 51.2 + 1.96 * 51.2 * 0.100024 \\
 &= 61.24
 \end{aligned}$$

This means that the chances are 95 out of 100 that the actual fertility rate of Cuban women 15–44 years of age is between 41.16 and 61.24.

Approximate 95-percent confidence interval: less than 100 births -- When the number of events in the numerator is less than 20, an asterisk is shown in place of the rate. When the number of events in the numerator is greater than 20 but less than 100, the

confidence interval for the birth rate can be estimated using the formulas that follow and the values in table C.

For crude and age-specific birth rates,

$$\text{Lower limit} = R * L(1 - \alpha = .96, B) * \left(1 - 2.576 \sqrt{f \left(a + \frac{b}{P} \right)} \right)$$

$$\text{Upper limit} = R * U(1 - \alpha = .96, B) * \left(1 + 2.576 \sqrt{f \left(a + \frac{b}{P} \right)} \right)$$

where:

- R = rate (births per 1,000 population)
- B = total number of births upon which rate is based
- L = the value in table C that corresponds to the number B , using the 96 percent CI column
- U = the value in table C that corresponds to the number B , using the 96 percent CI column
- f = the factor which depends on whether an entire or a sampled population (like one from a Current Population Survey – CPS) is used, and the span of years represented. f equals 0.670 for a single year
- a and b are CPS standard error parameters (see previous section on 95-percent confidence interval for 100 or more births for description and specific values)
- P = total estimated population upon which the rate is based

NOTE: In the formulas above, the confidence limits are estimated from the non-sampling error in the number of births, the numerator, and the sampling error in the population estimate, the denominator. A 96 percent standard error is computed for the numerator and a 99 percent standard error is computed for the denominator in order to compute a 95-percent confidence interval for the rate.

Example

Suppose that the birth rate of Puerto Rican women 45–49 years of age was 0.4 per 1,000, based on 35 births in the numerator and an estimated resident population of 87,892 in the denominator. Using table C, the 95-percent confidence interval would be:

$$\begin{aligned}
\text{Lower limit} &= 0.4 * 0.68419 * \left(1 - 2.576 \sqrt{0.670 \left(-0.000096 + \left(\frac{3,809}{87,892} \right) \right)} \right) \\
&= 0.4 * 0.68419 * (1 - 2.576 \sqrt{0.028972}) \\
&= 0.4 * 0.68419 * (1 - (2.576 * 0.170211)) \\
&= 0.4 * 0.68419 * 0.561536 \\
&= 0.154
\end{aligned}$$

$$\begin{aligned}
\text{Upper limit} &= 0.4 * 1.41047 * \left(1 + 2.576 \sqrt{0.670 \left(-0.000096 + \left(\frac{3,809}{87,892} \right) \right)} \right) \\
&= 0.4 * 1.41047 * (1 + 2.576 \sqrt{0.028972}) \\
&= 0.4 * 1.41047 * (1 + (2.576 * 0.170211)) \\
&= 0.4 * 1.41047 * 1.438464 \\
&= 0.812
\end{aligned}$$

This means that the chances are 95 out of 100 that the actual birth rate of Puerto Rican women 45–49 years of age lies between 0.15 and 0.81.

Significance testing for subgroups -- When both rates are based on 100 or more events, the difference between the two rates is considered statistically significant if it exceeds the value given by the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$z = 1.96 * \sqrt{R_1^2 * \left[\left(\frac{1}{B_1} \right) + f \left(a + \frac{b}{P_1} \right) \right] + R_2^2 * \left[\left(\frac{1}{B_2} \right) + f \left(a + \frac{b}{P_2} \right) \right]}$$

If the difference is greater than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is less than this statistic, the difference might occur by chance more than 5 times out of 100. We would therefore conclude that the difference is not statistically significant at the 95-percent confidence level.

Example

Suppose the birth rate for Mexican mothers 15–19 years of age (R_1) is 94.5, based on 97,744 births and an estimated population of 1,033,878, and the birth rate for Puerto Rican mothers 15–19 years of age (R_2) is 61.4, based on 10,006 births and an estimated population of 162,899. Using the above formula, the z score is computed as follows:

$$\begin{aligned}
&= 1.96 * \sqrt{94.5^2 * \left[\left(\frac{1}{97,744} \right) + 0.670 \left(-0.000096 + \frac{3,809}{1,033,878} \right) \right] + 61.4^2 * \left[\left(\frac{1}{10,006} \right) + 0.670 \left(-0.000096 + \frac{3,809}{162,899} \right) \right]} \\
&= 1.96 * \sqrt{8930.25 * (0.000010231 + 0.670 * 0.003589) + 3769.96 * (0.00009994 + 0.670 * 0.023287)} \\
&= 1.96 * \sqrt{(8930.25 * 0.0024147) + (3769.96 * 0.015702)} \\
&= 1.96 * \sqrt{21.563 + 59.20} \\
&= 1.96 * 8.99 \\
&= 17.61
\end{aligned}$$

Since the difference between the two rates 33.1 is greater than the value above, the two rates are statistically significantly different at the 0.05 level of significance.

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Figure 4–A. U.S. Standard Certificate of Live Birth: 1989 Revision

TYPE/PRINT
IN
PERMANENT
BLACK INK
FOR
INSTRUCTIONS
SEE
HANDBOOK
CHILD

LOCAL FILE NUMBER

**U.S. STANDARD
CERTIFICATE OF LIVE BIRTH**

BIRTH NUMBER

1. CHILD'S NAME (<i>First, Middle, Last</i>)			2. DATE OF BIRTH (<i>Month, Day, Year</i>)	3. TIME OF BIRTH M
4. SEX	5. CITY, TOWN, OR LOCATION OF BIRTH		6. COUNTY OF BIRTH	
7. PLACE OF BIRTH: <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Residence <input type="checkbox"/> Other (<i>Specify</i>)			8. FACILITY NAME (<i>If not institution, give street and number</i>)	
9. I certify that this child was born alive at the place and time and on the date stated.		10. DATE SIGNED (<i>Month, Day, Year</i>)	11. ATTENDANT'S NAME AND TITLE (<i>If other than certifier</i>) (<i>Type/Print</i>) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (<i>Specify</i>) _____	
12. CERTIFIER'S NAME AND TITLE (<i>Type/Print</i>) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hospital Admin. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (<i>Specify</i>) _____			13. ATTENDANT'S MAILING ADDRESS (<i>Street and Number or Rural Route Number, City or Town, State, Zip Code</i>)	
14. REGISTRAR'S SIGNATURE ►			15. DATE FILED BY REGISTRAR (<i>Month, Day, Year</i>)	
16a. MOTHER'S NAME (<i>First, Middle, Last</i>)			16b. MAIDEN SURNAME	
18. BIRTHPLACE (<i>State or Foreign Country</i>)		19a. RESIDENCE—STATE		19c. CITY, TOWN, OR LOCATION
19d. STREET AND NUMBER		19e. INSIDE CITY LIMITS? (<i>Yes or no</i>)		20. MOTHER'S MAILING ADDRESS (<i>If same as residence, enter Zip Code only</i>)
21. FATHER'S NAME (<i>First, Middle, Last</i>)			22. DATE OF BIRTH (<i>Month, Day, Year</i>)	
24. I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief. Signature of Parent or Other Informant ►				
DEATH UNDER ONE YEAR OF AGE Enter State File Number of death certificate for this child				
MOTHER				
FATHER				
INFORMANT				

Figure 4-A. U.S. Standard Certificate of Live Birth: 1989 Revision - Con.

INFORMATION FOR MEDICAL AND HEALTH USE ONLY						
25. OF HISPANIC ORIGIN? (Specify No or Yes—if yes, specify Cuban, Mexican, Puerto Rican, etc.)			26. RACE—American Indian, Black, White, etc. (Specify below)		27. EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) College (1-4 or 5+)	
MOTHER 25a. <input type="checkbox"/> No <input type="checkbox"/> Yes Specify:			26a.			
FATHER 25b. No <input type="checkbox"/> Yes Specify:			26b.		27b.	
28. PREGNANCY HISTORY (Complete each section)						
LIVE BIRTHS (Do not include this child)			OTHER TERMINATIONS (Spontaneous and induced at any time after conception)			
28a. Now Living		28b. Now Dead		28d.		
Number _____	Number _____	Number _____	Number _____			
<input type="checkbox"/> None		<input type="checkbox"/> None				
28c. DATE OF LAST LIVE BIRTH (Month, Year)			28e. DATE OF LAST OTHER TERMINATION (Month, Year)			
36. APGAR SCORE			37a. MOTHER TRANSFERRED PRIOR TO DELIVERY? <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred from:			
36a. 1 Minute		36b. 5 Minutes		37b. INFANT TRANSFERRED? <input type="checkbox"/> No <input type="checkbox"/> Yes If Yes, enter name of facility transferred to:		
38a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)			40. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)			43. CONGENITAL ANOMALIES OF CHILD (Check all that apply)
Anemia (Hct. <30/Hgb. <10) 01 <input type="checkbox"/> Cardiac disease 02 <input type="checkbox"/> Acute or chronic lung disease 03 <input type="checkbox"/> Diabetes 04 <input type="checkbox"/> Genital herpes 05 <input type="checkbox"/> Hydramnios/Oligohydramnios 06 <input type="checkbox"/> Hemoglobinopathy 07 <input type="checkbox"/> Hypertension, chronic 08 <input type="checkbox"/> Hypertension, pregnancy-associated 09 <input type="checkbox"/> Eclampsia 10 <input type="checkbox"/> Incompetent cervix 11 <input type="checkbox"/> Previous infant 4000+ grams 12 <input type="checkbox"/> Previous preterm or small-for-gestational-age infant 13 <input type="checkbox"/> Renal disease 14 <input type="checkbox"/> Rh sensitization 15 <input type="checkbox"/> Uterine bleeding 16 <input type="checkbox"/> None 00 <input type="checkbox"/> Other 17 <input type="checkbox"/> (Specify)			Febrile (>100°F. or 38°C.) 01 <input type="checkbox"/> Meconium, moderate/heavy 02 <input type="checkbox"/> Premature rupture of membrane (>12 hours) 03 <input type="checkbox"/> Abruptio placenta 04 <input type="checkbox"/> Placenta previa 05 <input type="checkbox"/> Other excessive bleeding 06 <input type="checkbox"/> Seizures during labor 07 <input type="checkbox"/> Precipitous labor (<3 hours) 08 <input type="checkbox"/> Prolonged labor (>20 hours) 09 <input type="checkbox"/> Dysfunctional labor 10 <input type="checkbox"/> Breech/Malpresentation 11 <input type="checkbox"/> Cephalopelvic disproportion 12 <input type="checkbox"/> Cord prolapse 13 <input type="checkbox"/> Anesthetic complications 14 <input type="checkbox"/> Fetal distress 15 <input type="checkbox"/> None 00 <input type="checkbox"/> Other 16 <input type="checkbox"/> (Specify)			Anencephalus 01 <input type="checkbox"/> Spina bifida/Meningocele 02 <input type="checkbox"/> Hydrocephalus 03 <input type="checkbox"/> Microcephalus 04 <input type="checkbox"/> Other central nervous system anomalies (Specify) 05 <input type="checkbox"/> Heart malformations 06 <input type="checkbox"/> Other circulatory/respiratory anomalies (Specify) 07 <input type="checkbox"/> Rectal atresia/stenosis 08 <input type="checkbox"/> Tracheo-esophageal fistula/Esophageal atresia 09 <input type="checkbox"/> Omphalocele/Gastroschisis 10 <input type="checkbox"/> Other gastrointestinal anomalies (Specify) 11 <input type="checkbox"/> Malformed genitalia 12 <input type="checkbox"/> Renal agenesis 13 <input type="checkbox"/> Other urogenital anomalies (Specify) 14 <input type="checkbox"/> Cleft lip/palate 15 <input type="checkbox"/> Polydactyly/Syndactyly/Adactyly 16 <input type="checkbox"/> Club foot 17 <input type="checkbox"/> Diaphragmatic hernia 18 <input type="checkbox"/> Other musculoskeletal/integumental anomalies (Specify) 19 <input type="checkbox"/> Down's syndrome 20 <input type="checkbox"/> Other chromosomal anomalies (Specify) 21 <input type="checkbox"/> None 00 <input type="checkbox"/> Other 22 <input type="checkbox"/> (Specify)
38b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)			41. METHOD OF DELIVERY (Check all that apply)			
Tobacco use during pregnancy Yes <input type="checkbox"/> No <input type="checkbox"/> Average number cigarettes per day _____			Vaginal 01 <input type="checkbox"/> Vaginal birth after previous C-section 02 <input type="checkbox"/> Primary C-section 03 <input type="checkbox"/> Repeat C-section 04 <input type="checkbox"/> Forceps 05 <input type="checkbox"/> Vacuum 06 <input type="checkbox"/>			
Alcohol use during pregnancy Yes <input type="checkbox"/> No <input type="checkbox"/> Average number drinks per week _____						
Weight gained during pregnancy _____ lbs.			42. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)			
39. OBSTETRIC PROCEDURES (Check all that apply)			Anemia (Hct. <39/Hgb. <13) 01 <input type="checkbox"/> Birth injury 02 <input type="checkbox"/> Fetal alcohol syndrome 03 <input type="checkbox"/> Hyaline membrane disease/RDS 04 <input type="checkbox"/> Meconium aspiration syndrome 05 <input type="checkbox"/> Assisted ventilation <30 min 06 <input type="checkbox"/> Assisted ventilation ≥30 min 07 <input type="checkbox"/> Seizures 08 <input type="checkbox"/> None 00 <input type="checkbox"/> Other 09 <input type="checkbox"/> (Specify)			
Amniocentesis 01 <input type="checkbox"/> Electronic fetal monitoring 02 <input type="checkbox"/> Induction of labor 03 <input type="checkbox"/> Stimulation of labor 04 <input type="checkbox"/> Tocolysis 05 <input type="checkbox"/> Ultrasound 06 <input type="checkbox"/> None 00 <input type="checkbox"/> Other 07 <input type="checkbox"/> (Specify)						

U.S. STANDARD CERTIFICATE OF LIVE BIRTH

LOCAL FILE NO.

BIRTH NUMBER:

C H I L D		1. CHILD'S NAME (First, Middle, Last, Suffix)		2. TIME OF BIRTH (24hr)	3. SEX	4. DATE OF BIRTH (Mo/Day/Yr)		
		5. FACILITY NAME (If not institution, give street and number)		6. CITY, TOWN, OR LOCATION OF BIRTH		7. COUNTY OF BIRTH		
M O T H E R		8a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			8b. DATE OF BIRTH (Mo/Day/Yr)			
		8c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			8d. BIRTHPLACE (State, Territory, or Foreign Country)			
		9a. RESIDENCE OF MOTHER-STATE		9b. COUNTY		9c. CITY, TOWN, OR LOCATION		
		9d. STREET AND NUMBER			9e. APT. NO.	9f. ZIP CODE		9g. INSIDE CITY LIMITS? 9 Yes 9 No
F A T H E R		10a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		10b. DATE OF BIRTH (Mo/Day/Yr)		10c. BIRTHPLACE (State, Territory, or Foreign Country)		
C E R T I F I E R		11. CERTIFIER'S NAME: _____ TITLE: 9 MD 9 DO 9 HOSPITAL ADMIN. 9 CNM/CM 9 OTHER MIDWIFE 9 OTHER (Specify)		12. DATE CERTIFIED MM / DD / YYYY		13. DATE FILED BY REGISTRAR MM / DD / YYYY		
INFORMATION FOR ADMINISTRATIVE USE								
M O T H E R		14. MOTHER'S MAILING ADDRESS: 9 Same as residence, or: State: _____ City, Town, or Location: Street & Number: _____ Apartment No.: _____ Zip Code: _____						
		15. MOTHER MARRIED? (At birth, conception, or any time between) IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED IN THE HOSPITAL? 9 Yes 9 No		9 Yes 9 No	16. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? 9 Yes 9 No	17. FACILITY ID. (NPI)		
		18. MOTHER'S SOCIAL SECURITY NUMBER: _____		19. FATHER'S SOCIAL SECURITY NUMBER: _____				
INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY								
M O T H E R		20. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery) 9 8th grade or less 9 9th - 12th grade, no diploma 9 High school graduate or GED completed 9 Some college credit but no degree 9 Associate degree (e.g., AA, AS) 9 Bachelor's degree (e.g., BA, AB, BS) 9 Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 9 Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	21. MOTHER OF HISPANIC ORIGIN? (Check the box that best describes whether the mother is Spanish/Hispanic/Latina. Check the "No" box if mother is not Spanish/Hispanic/Latina) 9 No, not Spanish/Hispanic/Latina 9 Yes, Mexican, Mexican American, Chicana 9 Yes, Puerto Rican 9 Yes, Cuban 9 Yes, other Spanish/Hispanic/Latina (Specify) _____	22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be) 9 White 9 Black or African American 9 American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ 9 Asian Indian 9 Chinese 9 Filipino 9 Japanese 9 Korean 9 Vietnamese 9 Other Asian (Specify) _____ 9 Native Hawaiian 9 Guamanian or Chamorro 9 Samoan 9 Other Pacific Islander (Specify) _____ 9 Other (Specify) _____				
F A T H E R		23. FATHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery) 9 8th grade or less 9 9th - 12th grade, no diploma 9 High school graduate or GED completed 9 Some college credit but no degree 9 Associate degree (e.g., AA, AS) 9 Bachelor's degree (e.g., BA, AB, BS) 9 Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 9 Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	24. FATHER OF HISPANIC ORIGIN? (Check the box that best describes whether the father is Spanish/Hispanic/Latino. Check the "No" box if father is not Spanish/Hispanic/Latino) 9 No, not Spanish/Hispanic/Latino 9 Yes, Mexican, Mexican American, Chicano 9 Yes, Puerto Rican 9 Yes, Cuban 9 Yes, other Spanish/Hispanic/Latino (Specify) _____	25. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be) 9 White 9 Black or African American 9 American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ 9 Asian Indian 9 Chinese 9 Filipino 9 Japanese 9 Korean 9 Vietnamese 9 Other Asian (Specify) _____ 9 Native Hawaiian 9 Guamanian or Chamorro 9 Samoan 9 Other Pacific Islander (Specify) _____ 9 Other (Specify) _____				
Mother's Name	Mother's Medical Record No.	26. PLACE WHERE BIRTH OCCURRED (Check one) 9 Hospital 9 Freestanding birthing center 9 Home Birth: Planned to deliver at home? 9 Yes 9 No 9 Clinic/Doctor's office 9 Other (Specify) _____	27. ATTENDANT'S NAME, TITLE, AND NPI NAME: _____ NPI: _____ TITLE: 9 MD 9 DO 9 CNM/CM 9 OTHER MIDWIFE 9 OTHER (Specify) _____	28. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? 9 Yes 9 No IF YES, ENTER NAME OF FACILITY MOTHER TRANSFERRED FROM: _____				

M O T H E R	29a. DATE OF FIRST PRENATAL CARE VISIT _____/_____/_____ MM DD YYYY		29b. DATE OF LAST PRENATAL CARE VISIT _____/_____/_____ MM DD YYYY		30. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY _____ (If none, enter "0".)		
	31. MOTHER'S HEIGHT _____ (feet/inches)		32. MOTHER'S PREPREGNANCY WEIGHT _____ (pounds)		33. MOTHER'S WEIGHT AT DELIVERY _____ (pounds)		
	35. NUMBER OF PREVIOUS LIVE BIRTHS (Do not include this child)		36. NUMBER OF OTHER PREGNANCY OUTCOMES (spontaneous or induced losses or ectopic pregnancies)		37. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. IF NONE, ENTER "0". Average number of cigarettes or packs of cigarettes smoked per day. Three Months Before Pregnancy _____ # of cigarettes First Three Months of Pregnancy _____ OR _____ Second Three Months of Pregnancy _____ OR _____ Third Trimester of Pregnancy _____ OR _____		38. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY 9 Private Insurance 9 Medicaid 9 Self-pay 9 Other (Specify) _____
	35a. Now Living Number _____ 9 None	35b. Now Dead Number _____ 9 None	36a. Other Outcomes Number _____ 9 None				
	35c. DATE OF LAST LIVE BIRTH _____/_____ MM Y Y Y Y		36b. DATE OF LAST OTHER PREGNANCY OUTCOME _____/_____ MM Y Y Y Y		39. DATE LAST NORMAL MENSES BEGAN _____/_____ MM D D Y Y Y Y		40. MOTHER'S MEDICAL RECORD NUMBER _____

MEDICAL AND HEALTH INFORMATION	41. RISK FACTORS IN THIS PREGNANCY (Check all that apply) Diabetes 9 Prepregnancy (Diagnosis prior to this pregnancy) 9 Gestational (Diagnosis in this pregnancy) Hypertension 9 Prepregnancy (Chronic) 9 Gestational (PIH, preeclampsia) 9 Eclampsia 9 Previous preterm birth 9 Other previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth) 9 Pregnancy resulted from infertility treatment-If yes, check all that apply: 9 Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination 9 Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 9 Mother had a previous cesarean delivery If yes, how many _____ 9 None of the above		43. OBSTETRIC PROCEDURES (Check all that apply) 9 Cervical cerclage 9 Tocolysis External cephalic version: 9 Successful 9 Failed 9 None of the above		46. METHOD OF DELIVERY A. Was delivery with forceps attempted but unsuccessful? 9 Yes 9 No B. Was delivery with vacuum extraction attempted but unsuccessful? 9 Yes 9 No C. Fetal presentation at birth 9 Cephalic 9 Breech 9 Other	
			44. ONSET OF LABOR (Check all that apply) 9 Premature Rupture of the Membranes (prolonged, ≥12 hrs.) 9 Precipitous Labor (<3 hrs.) 9 Prolonged Labor (≥ 20 hrs.) 9 None of the above			
			45. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply) 9 Induction of labor 9 Augmentation of labor 9 Non-vertex presentation 9 Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 9 Antibiotics received by the mother during labor 9 Clinical chorioamnionitis diagnosed during labor or maternal temperature ≥38°C (100.4°F) 9 Moderate/heavy meconium staining of the amniotic fluid 9 Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery 9 Epidural or spinal anesthesia during labor 9 None of the above		D. Final route and method of delivery (Check one) 9 Vaginal/Spontaneous 9 Vaginal/Forceps 9 Vaginal/Vacuum 9 Cesarean If cesarean, was a trial of labor attempted? 9 Yes 9 No	
	42. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply) 9 Gonorrhea 9 Syphilis 9 Chlamydia 9 Hepatitis B 9 Hepatitis C 9 None of the above				47. MATERNAL MORBIDITY (Check all that apply) (Complications associated with labor and delivery) 9 Maternal transfusion 9 Third or fourth degree perineal laceration 9 Ruptured uterus 9 Unplanned hysterectomy 9 Admission to intensive care unit 9 Unplanned operating room procedure following delivery 9 None of the above	

NEW BORN Mother's Name _____ Mother's Medical Record No. _____	48. NEWBORN MEDICAL RECORD NUMBER: _____			54. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply)		55. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply)	
	49. BIRTHWEIGHT (grams preferred, specify unit) _____ 9 grams 9 lb/oz			9 Assisted ventilation required immediately following delivery		9 Anencephaly	
	50. OBSTETRIC ESTIMATE OF GESTATION: _____ (completed weeks)			9 Assisted ventilation required for more than six hours		9 Meningomyelocele/Spina bifida	
	51. APGAR SCORE: Score at 5 minutes: _____ If 5 minute score is less than 6, Score at 10 minutes: _____			9 NICU admission		9 Cyanotic congenital heart disease	
				9 Newborn given surfactant replacement therapy		9 Congenital diaphragmatic hernia	
				9 Antibiotics received by the newborn for suspected neonatal sepsis		9 Omphalocele	
				9 Seizure or serious neurologic dysfunction		9 Gastrochisis	
	52. PLURALITY - Single, Twin, Triplet, etc. (Specify) _____			9 Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention)		9 Limb reduction defect (excluding congenital amputation and dwarfing syndromes)	
53. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify) _____			9 None of the above		9 Cleft Lip with or without Cleft Palate		
					9 Cleft Palate alone		
					9 Down Syndrome 9 Karyotype confirmed 9 Karyotype pending		
					9 Suspected chromosomal disorder 9 Karyotype confirmed 9 Karyotype pending		
					9 Hypoplasias		
					9 None of the anomalies listed above		
56. WAS INFANT TRANSFERRED WITHIN 24 HOURS OF DELIVERY? 9 Yes 9 No IF YES, NAME OF FACILITY INFANT TRANSFERRED TO: _____			57. IS INFANT LIVING AT TIME OF REPORT? 9 Yes 9 No 9 Infant transferred, status unknown		58. IS THE INFANT BEING BREASTFED AT DISCHARGE? 9 Yes 9 No		

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, New York City and the District of Columbia, 2004
 [By place of residence]

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth							Hispanic Origin	
	All births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Mother	Father	
Total of reporting areas ¹	4,112,052	0.0	0.2	0.4	13.6	16.0	0.8	14.1	
Alabama	59,510	0.0	0.0	0.0	20.8	21.1	0.1	20.8	
Alaska	10,338	-	0.9	0.5	9.2	14.2	11.6	20.9	
Arizona	93,663	0.0	0.0	0.1	14.7	18.2	1.9	16.8	
Arkansas	38,573	-	0.0	0.5	19.0	20.3	0.3	19.1	
California	544,843	0.0	0.0	0.4	7.3	8.1	1.4	7.7	
Colorado	68,503	-	0.0	0.5	8.1	8.8	0.0	8.8	
Connecticut	42,095	0.0	0.1	0.5	10.6	11.8	0.3	10.9	
Delaware	11,369	-	0.1	0.3	32.6	33.6	0.7	32.6	
District of Columbia	7,933	-	0.0	0.0	35.7	44.1	0.4	35.7	
Florida ²	218,053	0.0	0.1	0.2	15.8	24.5	0.3	18.4	
Georgia	138,849	0.0	0.0	0.2	17.0	17.7	1.6	18.4	
Hawaii	18,281	-	0.1	0.2	8.6	12.3	0.2	8.6	
Idaho	22,532	0.0	0.0	0.4	9.2	15.2	1.3	12.1	
Illinois	180,778	0.0	0.0	0.2	13.7	15.2	0.1	15.0	
Indiana	87,142	0.0	0.1	0.0	13.2	13.2	0.4	13.4	
Iowa	38,438	-	-	0.0	14.0	15.5	0.3	15.7	
Kansas	39,669	-	0.0	0.1	10.6	11.1	1.4	12.1	
Kentucky	55,720	0.0	0.1	0.6	20.1	24.7	0.1	23.3	
Louisiana	65,369	0.0	0.0	0.0	19.6	19.7	0.2	19.7	
Maine	13,944	-	0.0	0.0	9.2	12.7	0.5	12.8	
Maryland	74,628	0.0	0.0	0.1	13.4	19.4	0.1	15.5	
Massachusetts	78,484	0.0	-	0.9	7.9	9.4	0.7	8.5	
Michigan	129,776	0.0	0.1	0.2	14.6	16.9	2.7	18.6	
Minnesota	70,624	-	0.1	0.3	12.1	18.2	1.4	13.9	
Mississippi	42,827	0.0	0.1	0.1	20.7	20.7	0.1	20.7	
Missouri	77,765	-	0.0	0.3	18.0	19.9	0.1	18.5	
Montana	11,519	-	0.1	0.0	9.2	10.6	1.6	11.9	
Nebraska	26,332	-	-	-	13.2	14.9	2.5	15.6	
Nevada	35,200	-	0.0	0.5	22.4	24.0	1.0	22.8	
New Hampshire ²	14,565	-	0.0	0.2	6.4	8.6	3.5	7.6	
New Jersey	115,253	0.0	0.1	0.1	7.6	9.0	0.1	7.8	
New Mexico	28,384	-	0.0	1.6	19.7	19.6	0.0	19.6	
New York (excluding NYC)	130,879	0.0	0.0	0.1	10.8	16.1	0.2	10.9	
New York City	119,068	0.0	0.0	0.5	15.4	16.1	0.4	15.6	
North Carolina	119,847	0.0	-	0.0	16.2	16.3	0.1	16.3	
North Dakota	8,189	-	-	-	9.3	9.5	2.8	12.1	
Ohio	148,954	0.4	0.0	0.5	16.2	19.9	0.5	16.9	
Oklahoma	51,306	-	0.0	0.0	14.6	17.2	0.3	16.8	
Oregon	45,678	-	-	0.1	10.2	4.9	0.3	4.9	
Pennsylvania	144,748	0.0	4.6	3.9	6.6	11.0	1.2	5.9	
Rhode Island	12,779	-	-	0.2	13.0	14.3	13.8	24.1	
South Carolina	56,590	-	0.0	0.1	29.5	33.8	0.1	0.7	
South Dakota	11,338	0.0	0.0	0.1	10.4	11.0	0.1	13.4	
Tennessee	79,642	0.0	1.2	0.3	16.0	22.2	0.2	15.9	
Texas	381,293	0.0	0.0	0.4	14.3	14.7	0.3	14.5	
Utah	50,670	0.0	0.0	0.2	9.9	12.9	0.6	10.8	
Vermont	6,599	-	-	0.4	7.6	10.0	1.1	10.7	
Virginia	103,933	-	0.0	0.1	15.3	17.0	0.1	15.3	
Washington	81,747	-	0.1	0.3	9.7	23.6	2.9	15.5	
West Virginia	20,880	0.0	0.0	0.1	13.0	13.5	0.2	13.4	
Wisconsin	70,146	0.0	0.0	0.1	30.8	30.9	0.1	30.9	
Wyoming	6,807	-	0.0	0.1	16.0	16.4	0.3	16.2	
Puerto Rico	51,127	-	0.1	-	3.2	4.3	---	---	
Virgin Islands	1,574	-	0.3	-	21.0	22.1	4.3	60.7	
Guam	3,410	0.1	0.4	0.4	22.3	22.6	1.5	27.8	
American Samoa	1,714	0.2	-	3.9	36.4	36.5	---	---	
Northern Marianas	1,355	-	0.5	-	8.9	9.0	---	---	

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.
 [By place of residence]

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth								
	Educational attainment of mother		Live-birth order	Length of gestation	Month prenatal care began		Number of prenatal visits	Weight gain	
	Unrevised ³	Revised ⁴			Unrevised ³	Revised ⁴			
Total of reporting areas ¹	2.0	---	0.5	1.0	2.5	---	3.6	5.9	
Alabama	0.7	---	0.0	0.1	0.7	---	0.2	1.6	
Alaska	6.7	---	10.4	0.4	6.8	---	10.6	8.7	
Arizona	1.4	---	0.1	0.1	0.1	---	0.7	12.5	
Arkansas	1.9	---	0.2	0.2	2.7	---	2.2	8.9	
California ⁵	2.9	---	0.1	6.8	1.7	---	2.7	---	
Colorado	1.1	---	0.1	0.0	1.8	---	2.0	3.0	
Connecticut	1.2	---	0.0	0.0	1.5	---	1.0	1.1	
Delaware	3.1	---	0.2	0.1	2.7	---	0.6	1.1	
District of Columbia	8.0	---	0.2	0.2	11.1	---	15.8	13.7	
Florida ²	---	---	0.7	0.1	---	---	4.5	8.5	
Georgia	3.3	---	0.1	0.1	2.6	---	1.4	6.5	
Hawaii	1.2	---	0.0	0.2	3.4	---	2.8	13.3	
Idaho	---	5.1	0.2	0.1	---	1.3	1.6	8.1	
Illinois	1.6	---	0.3	0.2	5.6	---	5.9	6.4	
Indiana	1.6	---	0.1	0.0	2.3	---	1.8	2.2	
Iowa	0.2	---	0.1	0.1	0.2	---	0.3	0.7	
Kansas	0.4	---	0.0	0.1	0.8	---	0.8	0.2	
Kentucky	---	4.4	0.1	0.0	---	1.9	1.6	2.0	
Louisiana	0.1	---	0.1	0.1	0.3	---	0.3	4.4	
Maine	1.5	---	0.2	0.1	1.2	---	0.3	0.9	
Maryland	1.5	---	0.1	0.1	1.9	---	2.3	3.1	
Massachusetts	0.4	---	0.2	0.2	2.0	---	0.7	0.9	
Michigan	2.6	---	0.4	0.1	3.7	---	4.8	7.1	
Minnesota	1.9	---	0.5	0.2	4.2	---	5.3	10.4	
Mississippi	4.3	---	0.1	0.2	5.2	---	3.6	5.7	
Missouri	1.2	---	0.5	0.2	2.3	---	4.0	4.2	
Montana	0.6	---	0.1	0.1	0.8	---	0.5	1.3	
Nebraska	0.1	---	0.0	0.0	0.2	---	0.3	3.1	
Nevada	2.7	---	1.3	0.6	7.7	---	10.3	8.9	
New Hampshire ²	---	---	0.5	0.3	---	---	2.8	8.7	
New Jersey	2.2	---	0.1	0.1	2.0	---	1.0	0.9	
New Mexico	3.2	---	1.0	0.3	6.0	---	6.3	11.2	
New York (excluding NYC)	---	7.5	2.0	0.1	---	4.5	6.0	6.8	
New York City	4.5	---	0.0	0.0	5.9	---	0.7	2.0	
North Carolina	0.5	---	0.0	0.0	1.0	---	0.8	2.6	
North Dakota	0.3	---	0.1	0.2	1.1	---	0.8	2.3	
Ohio	2.4	---	0.3	0.1	4.9	---	9.1	3.8	
Oklahoma	0.5	---	0.2	0.2	2.2	---	2.2	3.6	
Oregon	2.9	---	0.0	0.0	1.6	---	0.2	1.9	
Pennsylvania	---	3.0	1.3	0.8	---	6.7	9.6	13.0	
Rhode Island	2.5	---	2.0	0.1	6.0	---	10.7	13.7	
South Carolina	---	5.3	0.0	0.1	---	1.2	0.8	1.8	
South Dakota	0.1	---	0.0	0.0	0.4	---	0.4	0.8	
Tennessee	---	0.8	0.9	0.5	---	9.6	8.2	8.4	
Texas	1.4	---	0.7	0.3	1.5	---	3.8	8.1	
Utah	1.8	---	0.3	0.0	2.6	---	2.8	4.0	
Vermont	5.9	---	0.2	0.0	8.3	---	0.6	2.0	
Virginia	2.3	---	0.0	0.0	1.2	---	1.7	3.2	
Washington	---	3.2	2.8	0.3	---	17.1	16.2	16.6	
West Virginia	2.5	---	0.0	0.1	3.8	---	0.7	2.2	
Wisconsin	0.4	---	0.0	0.0	0.3	---	0.5	2.2	
Wyoming	1.1	---	0.0	0.0	0.8	---	0.5	1.9	
Puerto Rico	0.3	---	0.1	0.0	0.2	---	0.1	0.0	
Virgin Islands	1.0	---	1.3	-	0.1	---	2.6	13.0	
Guam	1.4	---	2.3	0.1	1.1	---	1.5	2.8	
American Samoa	---	---	-	---	---	---	---	---	
Northern Marianas	8.1	---	5.4	0.7	4.4	---	4.0	---	

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated:
 United States and each State and territory, 2004 -- Con.
 [By place of residence]

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth				
	Birthweight	5-minute apgar score	Tobacco use		Method of Delivery 6
			Unrevised 3	Revised 4	
Total of reporting areas ¹	0.1	0.5	1.1	---	0.4
Alabama	0.1	0.2	0.6	---	0.7
Alaska	0.3	0.9	1.4	---	0.3
Arizona	0.1	0.4	1.7	---	0.4
Arkansas	0.1	3.2	1.5	---	0.5
California	0.0	--	--	--	0.0
Colorado	0.0	0.3	0.2	--	0.0
Connecticut	0.0	0.2	0.7	--	0.2
Delaware	0.1	0.2	2.5	---	0.0
District of Columbia	0.1	0.6	0.1	---	0.1
Florida ^{2,7}	0.0	0.3	--	--	0.2
Georgia	0.0	0.4	1.4	---	0.6
Hawaii	0.1	0.5	0.1	---	0.5
Idaho	0.0	0.6	--	3.8	0.2
Illinois	0.0	0.3	0.3	---	0.6
Indiana ⁸	0.4	0.3	1.2	---	0.6
Iowa	0.1	0.3	0.1	---	0.8
Kansas	0.0	0.8	0.1	---	0.3
Kentucky	0.2	0.6	--	4.3	0.3
Louisiana	0.1	0.4	0.2	---	0.2
Maine	0.1	0.2	1.2	---	0.3
Maryland	0.0	0.3	0.4	---	0.4
Massachusetts	0.2	0.2	0.3	---	0.3
Michigan	0.1	0.3	2.9	---	0.6
Minnesota	0.0	0.3	2.3	---	0.9
Mississippi	0.1	0.4	0.4	---	0.6
Missouri	0.0	0.6	4.1	---	0.8
Montana	0.1	0.1	1.0	---	0.3
Nebraska	0.0	0.1	0.1	---	0.3
Nevada	0.0	1.5	2.2	---	0.9
New Hampshire ²	0.2	0.4	--	--	0.5
New Jersey	0.0	0.2	1.8	---	0.8
New Mexico	0.3	3.7	1.7	---	0.4
New York (excluding NYC)	0.1	0.5	--	6.8	0.5
New York City	0.0	0.2	4.2	---	0.2
North Carolina	0.0	0.3	0.4	---	0.6
North Dakota	0.2	0.3	0.5	---	2.3
Ohio	0.0	0.2	0.9	---	0.8
Oklahoma	0.1	0.9	0.9	---	1.9
Oregon	0.0	0.4	2.5	---	0.7
Pennsylvania	0.4	1.2	--	4.1	0.1
Rhode Island	0.1	0.4	2.7	---	0.2
South Carolina	0.0	0.2	--	5.1	0.0
South Dakota ⁹	0.0	0.2	0.1	---	0.6
Tennessee	0.4	3.2	--	1.0	0.0
Texas	0.1	--	0.2	---	0.9
Utah	0.0	0.2	1.0	---	0.5
Vermont	0.3	0.2	6.2	---	0.1
Virginia	0.1	0.1	1.1	---	0.6
Washington	0.4	0.4	--	3.2	0.0
West Virginia	0.0	0.2	1.9	---	0.3
Wisconsin	0.0	0.4	0.2	---	0.0
Wyoming	0.0	0.3	0.5	---	0.3
Puerto Rico	0.0	0.1	-	---	0.0
Virgin Islands	0.6	1.6	1.5	---	1.7
Guam	0.1	0.6	1.0	---	0.2
American Samoa	-	--	--	---	--
Northern Marianas ⁹	0.4	1.5	6.4	---	3.4

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth					Characteristics of Labor and Delivery		
	Risk Factors in this Pregnancy				Menconium	Breech	Precipitous Labor	
	Diabetes	P.A. Hypertension	Chronic Hypertension	Eclampsia				
Total of reporting areas ¹	0.4	0.4	0.4	0.4	0.3	0.5	0.4	
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Alaska	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
Arizona	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Arkansas	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
California	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Colorado	0.0	0.0	0.0	0.0	-	-	-	
Connecticut	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Delaware	-	-	-	-	-	-	-	
District of Columbia	0.0	0.0	0.0	0.0	-	-	-	
Florida ²	0.2	0.2	0.2	0.2	0.2	2.9	0.3	
Georgia	0.4	0.4	0.4	0.4	0.0	0.0	0.0	
Hawaii	0.0	0.0	0.0	0.0	-	-	-	
Idaho	0.8	0.8	0.8	0.8	0.5	1.9	0.6	
Illinois	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Indiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Iowa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Kansas	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Kentucky	0.4	0.4	0.4	0.4	0.4	0.9	0.8	
Louisiana	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Maine	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Maryland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Massachusetts	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Michigan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Minnesota	3.0	3.0	3.0	3.0	2.9	2.9	2.9	
Mississippi	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Missouri	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Montana	-	-	-	-	0.0	0.0	0.0	
Nebraska	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Nevada	2.8	2.8	2.8	2.8	2.9	2.9	2.9	
New Hampshire ²	0.0	0.0	0.0	0.0	0.5	1.7	1.1	
New Jersey	0.3	0.3	0.3	0.3	0.1	0.1	0.1	
New Mexico	0.0	0.0	0.0	0.0	-	-	-	
New York (excluding NYC)	1.5	1.5	1.5	1.5	0.0	1.1	2.9	
New York City	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
North Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
North Dakota	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Ohio	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Oklahoma	4.8	4.8	4.8	4.8	5.4	5.4	5.4	
Oregon	0.7	0.7	0.7	0.7	0.0	0.0	0.0	
Pennsylvania	0.0	0.0	0.0	0.0	0.0	0.1	0.1	
Rhode Island	1.9	1.9	1.9	1.9	1.8	1.8	1.8	
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
South Dakota	-	-	-	-	0.0	0.0	0.0	
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Texas	0.9	0.9	0.9	0.9	0.0	0.0	0.0	
Utah	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
Vermont	0.0	0.0	0.0	0.0	0.1	0.3	0.1	
Virginia	0.0	0.0	0.0	0.0	-	0.0	0.0	
Washington	2.9	2.9	2.9	2.9	3.2	4.9	3.6	
West Virginia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Wisconsin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wyoming	-	-	-	-	-	-	-	
Puerto Rico	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Virgin Islands	4.5	4.5	4.5	4.5	5.7	5.7	5.7	
Guam	1.1	1.1	1.1	1.1	0.5	0.5	0.5	
American Samoa	-	-	-	-	---	---	---	
Northern Marianas	0.0	0.0	0.0	0.0	6.0	6.0	6.0	

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Items common to both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth						
	Obstetric Procedures		Congenital Anomalies				
	Induction of Labor	Tocolysis	Anencephalus	Spina Bifida	Omphalo/Gastroschisis	Cleft Lip/Palate	Down Syndrome
Total of reporting areas ¹	0.2	0.3		1.2	1.2		1.2
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alaska	6.4	6.5	11.9	11.9	11.9	11.9	11.9
Arizona	0.0	0.0	0.3	0.3	0.3	0.3	0.3
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	0.0
California	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Colorado	-	-	0.1	0.1	0.1	0.1	0.1
Connecticut	0.0	0.0	0.4	0.4	0.4	0.4	0.4
Delaware	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-
Florida ²	0.2	0.0	0.5	0.5	0.5	0.5	0.5
Georgia	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hawaii	0.0	0.0	-	-	-	-	-
Idaho	0.5	0.6	1.3	1.3	1.3	1.3	1.3
Illinois	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indiana	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iowa	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Kansas	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Kentucky	0.4	0.6	0.0	0.0	0.0	0.0	0.0
Louisiana	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Maine	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Maryland	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Massachusetts	0.2	0.2	0.6	0.6	0.6	0.6	0.6
Michigan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Minnesota	1.6	1.6	4.6	4.6	4.6	4.6	4.6
Mississippi	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Missouri	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Montana	-	-	-	-	-	-	-
Nebraska	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nevada	2.2	2.2	4.5	4.5	4.5	4.5	4.5
New Hampshire ²	0.5	0.8	1.0	1.0	1.0	1.0	1.0
New Jersey	0.0	0.0	0.4	0.4	0.4	0.4	0.4
New Mexico	0.0	0.0	-	-	-	-	-
New York (excluding NYC)	0.0	1.8	2.5	2.5	2.5	2.5	2.5
New York City	0.0	0.0	0.2	0.2	0.2	0.2	0.2
North Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Dakota	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Ohio	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oklahoma	1.8	1.8	8.6	8.6	8.6	8.6	8.6
Oregon	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pennsylvania	-	0.0	0.0	0.0	0.0	0.0	0.0
Rhode Island	2.0	2.0	3.9	3.9	3.9	3.9	3.9
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Dakota	-	-	0.0	0.0	0.0	0.0	0.0
Tennessee	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texas	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Utah	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Vermont	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Virginia	-	0.0	0.0	0.0	0.0	0.0	0.0
Washington	3.2	3.6	2.9	2.9	2.9	2.9	2.9
West Virginia	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Wisconsin	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Wyoming	-	-	0.0	0.0	0.0	0.0	0.0
Puerto Rico	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Virgin Islands	1.9	1.9	6.0	6.0	6.0	6.0	6.0
Guam	0.7	0.7	0.8	0.8	0.8	0.8	0.8
American Samoa	--	--	--	--	--	--	--
Northern Marianas	3.8	3.8	6.0	6.0	6.0	6.0	6.0

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Pregnancy Risk Factors	Obstetric Procedures	Onset of Labor	Items based on the 2003 US. Standard Certificate of Live Birth		
				Characteristics of Labor and Delivery	Method of Delivery	Congenital Anomalies
Total of reporting areas ¹	---	---	---	---	---	---
Alabama	---	---	---	---	---	---
Alaska	---	---	---	---	---	---
Arizona	---	---	---	---	---	---
Arkansas	---	---	---	---	---	---
California	---	---	---	---	---	---
Colorado	---	---	---	---	---	---
Connecticut	---	---	---	---	---	---
Delaware	---	---	---	---	---	---
District of Columbia	---	---	---	---	---	---
Florida ²	---	---	---	---	---	---
Georgia	---	---	---	---	---	---
Hawaii	---	---	---	---	---	---
Idaho	3.9	3.7	3.7	3.6	3.3	4.4
Illinois	---	---	---	---	---	---
Indiana	---	---	---	---	---	---
Iowa	---	---	---	---	---	---
Kansas	---	---	---	---	---	---
Kentucky	4.7	4.9	5.1	4.7	4.6	4.3
Louisiana	---	---	---	---	---	---
Maine	---	---	---	---	---	---
Maryland	---	---	---	---	---	---
Massachusetts	---	---	---	---	---	---
Michigan	---	---	---	---	---	---
Minnesota	---	---	---	---	---	---
Mississippi	---	---	---	---	---	---
Missouri	---	---	---	---	---	---
Montana	---	---	---	---	---	---
Nebraska	---	---	---	---	---	---
Nevada	---	---	---	---	---	---
New Hampshire ²	---	---	---	---	---	---
New Jersey	---	---	---	---	---	---
New Mexico	---	---	---	---	---	---
New York(excluding NYC)	8.3	8.6	9.7	6.8	7.3	9.3
New York City	---	---	---	---	---	---
North Carolina	---	---	---	---	---	---
North Dakota	---	---	---	---	---	---
Ohio	---	---	---	---	---	---
Oklahoma	---	---	---	---	---	---
Oregon	---	---	---	---	---	---
Pennsylvania	2.2	2.2	2.2	2.2	2.3	2.2
Rhode Island	---	---	---	---	---	---
South Carolina	5.0	5.0	5.0	5.0	5.0	5.0
South Dakota	---	---	---	---	---	---
Tennessee	0.6	0.6	0.6	0.6	0.6	0.6
Texas	---	---	---	---	---	---
Utah	---	---	---	---	---	---
Vermont	---	---	---	---	---	---
Virginia	---	---	---	---	---	---
Washington	4.5	5.1	5.1	4.7	1.5	4.4
West Virginia	---	---	---	---	---	---
Wisconsin	---	---	---	---	---	---
Wyoming	---	---	---	---	---	---
Puerto Rico	---	---	---	---	---	---
Virgin Islands	---	---	---	---	---	---
Guam	---	---	---	---	---	---
American Samoa	---	---	---	---	---	---
Northern Marianas	---	---	---	---	---	---

See footnotes at end of table.

Table A. Percent of birth records on which specified items were not stated: United States and each State and territory, 2004 -- Con.

Area	Item based on the 1989 U.S. Standard Certificate of Live Birth					
	Alcohol use	Medical Risk Factors	Obstetric Procedures	Complications of Labor/Delivery	Abnormal Conditions of the Newborn	Congenital Anomalies
Total of reporting areas ¹	0.5	0.9	0.7	0.8	0.3	1.7
Alabama		0.6	0.6	0.6	0.0	0.6
Alaska	0.0	9.9	6.8	9.9	11.5	12.3
Arizona	1.1	0.0	0.0	0.0	0.0	0.3
Arkansas	1.8	1.3	1.3	1.3	0.0	1.3
California	0.4	0.0	0.0	0.0	0.0	0.0
Colorado	--	0.0	0.0	0.0	-	0.1
Connecticut	0.2	0.8	0.7	0.7	0.3	1.0
Delaware	0.1	2.5	2.5	2.5	-	2.5
District of Columbia	0.0	0.1	0.1	0.1	-	0.1
Florida ²	0.1	---	---	---	---	---
Georgia	--	1.6	1.1	1.1	0.0	1.1
Hawaii	0.3	0.0	0.0	0.0	-	0.0
Idaho	0.1	---	---	---	---	---
Illinois	--	0.1	0.1	0.1	0.0	0.1
Indiana	0.1	1.0	1.0	1.0	0.0	1.0
Iowa	0.1	0.1	0.0	0.1	0.1	0.1
Kansas ¹⁰	0.1	0.1	0.0	0.1	0.0	0.1
Kentucky	0.1	---	---	---	---	---
Louisiana	--	0.1	0.2	0.2	0.1	0.2
Maine	0.2	1.1	1.1	1.1	0.0	1.1
Maryland	0.2	0.3	0.3	0.3	0.0	0.3
Massachusetts	0.1	0.4	0.4	0.4	0.2	0.8
Michigan	0.2	0.0	0.0	0.0	0.0	0.0
Minnesota	3.0	3.0	1.6	3.0	4.5	4.6
Mississippi	2.4	4.0	4.0	4.0	0.1	4.0
Missouri	0.2	0.1	0.1	0.1	0.1	0.1
Montana	0.4	0.3	0.3	0.3	-	0.3
Nebraska ¹¹	0.9	0.1	0.0	0.1	0.0	0.0
Nevada	0.0	3.0	2.3	3.0	2.4	4.7
New Hampshire ²	2.2	---	---	---	---	---
New Jersey	--	1.9	1.7	1.8	0.1	2.0
New Mexico	0.2	0.1	0.0	0.0	0.0	-
New York(excluding NYC)	1.8	---	---	---	---	---
New York City ¹²	--	4.2	4.1	4.2	0.2	4.3
North Carolina	0.1	0.3	0.3	0.3	0.0	0.3
North Dakota	0.1	0.4	0.4	0.4	0.5	0.4
Ohio	0.8	0.6	0.6	0.6	0.0	0.6
Oklahoma	0.5	4.9	1.8	5.4	8.2	8.6
Oregon	0.9	2.3	1.6	1.6	0.0	1.6
Pennsylvania	1.0	---	---	---	---	---
Rhode Island	--	1.9	2.0	1.9	4.1	3.9
South Carolina	2.9	---	---	---	---	---
South Dakota	--	0.0	0.0	0.0	0.0	0.0
Tennessee	0.1	---	---	---	---	---
Texas ^{11,13,14}	--	0.9	0.1	0.0	0.1	0.1
Utah	0.2	0.2	0.1	0.1	0.1	0.2
Vermont	1.0	5.5	5.5	5.5	0.0	5.5
Virginia	0.5	1.1	1.1	1.1	0.1	1.1
Washington	0.0	---	---	---	---	---
West Virginia	--	1.7	1.7	1.7	0.2	1.7
Wisconsin ¹⁵	0.4	0.0	0.0	0.0	0.1	0.1
Wyoming	0.2	0.3	0.3	0.3	-	0.3
	0.3					
Puerto Rico		0.0	0.0	0.0	0.0	0.0
Virgin Islands	0.0	4.5	1.9	5.7	6.7	6.0
Guam	1.6	1.1	0.7	0.5	0.6	0.8
American Samoa	1.7	---	---	---	---	---
Northern Marianas	--	-	3.8	6.0	6.1	6.0
	-					

See footnotes at end of table.

0.0 Quantity more than zero but less than 0.05.

---Data not available.

- Quantity zero.

¹ Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas.

² Florida and New Hampshire implemented the 2003 U.S. Standard Certificate of Live Birth in 2004, but after January 1, 2004.

³ Includes data for states based on the 1989 U.S. Standard Certificate of Live birth; excludes data for states based on the 2003 U.S. Standard Certificate of Live Birth.

⁴ Includes data for states based on the 2003 U.S. Standard Certificate of Live birth; excludes data from states based on the 1989 U.S. Standard Certificate of Live Birth.

⁵ California reports date last normal menses began but does not report the clinical estimate of gestation.

⁶ Not stated levels for states which implemented the 2003 U.S. Standard Certificate of Live Birth are derived from the item "Final route and method of delivery" only.

⁷ The Florida tobacco use item is not consistent with the tobacco use items on either the 1989 or 2003 U.S. Standard Certificates of Live Birth.

⁸ Indiana reports tobacco use but does not report the average number of cigarettes smoked per day in standard categories.

⁹ South Dakota and the Commonwealth of the Northern Marianas report tobacco use but do not report the average number of cigarettes smoked per day.

¹⁰ Kansas does not report the Medical Risk Factor "Rh sensitization."

¹¹ Nebraska and Texas do not report the abnormal condition of the newborn "birth injury."

¹² New York City does not report the Abnormal Conditions of the Newborn "assisted ventilation less than 30 minutes and assisted ventilation of 30 minutes or more."

¹³ Texas does not report the Medical Risk Factors "genital herpes and uterine bleeding."

¹⁴ Texas does not report the Abnormal Conditions of the Newborn "anesthetic complications and fetal distress."

¹⁵ Wisconsin does not report the Abnormal Condition of the Newborn "fetal alcohol syndrome."

Table B. Births by place of occurrence and residence for births occurring in the 50 states, the District of Columbia, and U.S. territories, 2004

Area	Number live births	
	Occurrence	Residence
United States 1/	4,118,907	4,112,052
Alabama	58,383	59,510
Alaska	10,268	10,338
Arizona	93,876	93,663
Arkansas	37,840	38,573
California	545,758	544,843
Colorado	68,797	68,503
Connecticut	42,545	42,095
Delaware	12,080	11,369
District of Columbia	14,794	7,933
Florida	218,218	218,053
Georgia	140,117	138,849
Hawaii	18,297	18,281
Idaho	21,949	22,532
Illinois	177,417	180,778
Indiana	87,942	87,142
Iowa	38,527	38,438
Kansas	40,449	39,669
Kentucky	54,085	55,720
Louisiana	65,572	65,369
Maine	13,733	13,944
Maryland	70,538	74,628
Massachusetts	79,405	78,484
Michigan	128,585	129,776
Minnesota	70,618	70,624
Mississippi	41,562	42,827
Missouri	78,591	77,765
Montana	11,526	11,519
Nebraska	26,446	26,332
Nevada	34,780	35,200
New Hampshire	14,198	14,565
New Jersey	112,232	115,253
New Mexico	27,798	28,384
New York	251,562	249,947
North Carolina	120,588	119,847
North Dakota	9,408	8,189
Ohio	149,481	148,954
Oklahoma	50,223	51,306
Oregon	46,454	45,678
Pennsylvania	144,498	144,748
Rhode Island	13,582	12,779
South Carolina	54,232	56,590
South Dakota	11,803	11,338
Tennessee	84,855	79,642
Texas	387,337	381,293
Utah	51,835	50,670
Vermont	6,262	6,599
Virginia	101,826	103,933
Washington	81,390	81,747
West Virginia	21,305	20,880
Wisconsin	69,014	70,146
Wyoming	6,326	6,807
Births occurring to US territorial residents		
Puerto Rico	-	51127
Virgin Islands	-	1574
Guam	-	3410
American Samoa	-	1714
Northern Marianas	-	1355

--- Data not available.

1/ Excludes data for the territories and foreign residents

Table C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births, B

B	L(1- a=.95, B)	U(1- a =.95, B)	L(1- a =.96, B)	U(1- a =.96, B)
1	0.02532	5.57164	0.02020	5.83392
2	0.12110	3.61234	0.10735	3.75830
3	0.20622	2.92242	0.18907	3.02804
4	0.27247	2.56040	0.25406	2.64510
5	0.32470	2.33367	0.30591	2.40540
6	0.36698	2.17658	0.34819	2.23940
7	0.40205	2.06038	0.38344	2.11666
8	0.43173	1.97040	0.41339	2.02164
9	0.45726	1.89831	0.43923	1.94553
10	0.47954	1.83904	0.46183	1.88297
11	0.49920	1.78928	0.48182	1.83047
12	0.51671	1.74680	0.49966	1.78566
13	0.53246	1.71003	0.51571	1.74688
14	0.54671	1.67783	0.53027	1.71292
15	0.55969	1.64935	0.54354	1.68289
16	0.57159	1.62394	0.55571	1.65610
17	0.58254	1.60110	0.56692	1.63203
18	0.59266	1.58043	0.57730	1.61024
19	0.60207	1.56162	0.58695	1.59042
20	0.61083	1.54442	0.59594	1.57230
21	0.61902	1.52861	0.60435	1.55563
22	0.62669	1.51401	0.61224	1.54026
23	0.63391	1.50049	0.61966	1.52602
24	0.64072	1.48792	0.62666	1.51278
25	0.64715	1.47620	0.63328	1.50043
26	0.65323	1.46523	0.63954	1.48888
27	0.65901	1.45495	0.64549	1.47805
28	0.66449	1.44528	0.65114	1.46787
29	0.66972	1.43617	0.65652	1.45827
30	0.67470	1.42756	0.66166	1.44922
31	0.67945	1.41942	0.66656	1.44064
32	0.68400	1.41170	0.67125	1.43252
33	0.68835	1.40437	0.67575	1.42480
34	0.69253	1.39740	0.68005	1.41746
35	0.69654	1.39076	0.68419	1.41047
36	0.70039	1.38442	0.68817	1.40380
37	0.70409	1.37837	0.69199	1.39743
38	0.70766	1.37258	0.69568	1.39134
39	0.71110	1.36703	0.69923	1.38550
40	0.71441	1.36172	0.70266	1.37991
41	0.71762	1.35661	0.70597	1.37454
42	0.72071	1.35171	0.70917	1.36938
43	0.72370	1.34699	0.71227	1.36442
44	0.72660	1.34245	0.71526	1.35964
45	0.72941	1.33808	0.71816	1.35504
46	0.73213	1.33386	0.72098	1.35060
47	0.73476	1.32979	0.72370	1.34632
48	0.73732	1.32585	0.72635	1.34218
49	0.73981	1.32205	0.72892	1.33818
50	0.74222	1.31838	0.73142	1.33431

Table C. Lower and upper 95 percent and 96 percent confidence limit factors for a birth rate based on a Poisson variable of 1 through 99 births, B --Con.

B	L($1 - a = .95, B$)	U($1 - a = .95, B$)	L($1 - a = .96, B$)	U($1 - a = .96, B$)
51	0.74457	1.31482	0.73385	1.33057
52	0.74685	1.31137	0.73621	1.32694
53	0.74907	1.30802	0.73851	1.32342
54	0.75123	1.30478	0.74075	1.32002
55	0.75334	1.30164	0.74293	1.31671
56	0.75539	1.29858	0.74506	1.31349
57	0.75739	1.29562	0.74713	1.31037
58	0.75934	1.29273	0.74916	1.30734
59	0.76125	1.28993	0.75113	1.30439
60	0.76311	1.28720	0.75306	1.30152
61	0.76492	1.28454	0.75494	1.29873
62	0.76669	1.28195	0.75678	1.29601
63	0.76843	1.27943	0.75857	1.29336
64	0.77012	1.27698	0.76033	1.29077
65	0.77178	1.27458	0.76205	1.28826
66	0.77340	1.27225	0.76373	1.28580
67	0.77499	1.26996	0.76537	1.28340
68	0.77654	1.26774	0.76698	1.28106
69	0.77806	1.26556	0.76856	1.27877
70	0.77955	1.26344	0.77011	1.27654
71	0.78101	1.26136	0.77162	1.27436
72	0.78244	1.25933	0.77310	1.27223
73	0.78384	1.25735	0.77456	1.27014
74	0.78522	1.25541	0.77598	1.26810
75	0.78656	1.25351	0.77738	1.26610
76	0.78789	1.25165	0.77876	1.26415
77	0.78918	1.24983	0.78010	1.26223
78	0.79046	1.24805	0.78143	1.26036
79	0.79171	1.24630	0.78272	1.25852
80	0.79294	1.24459	0.78400	1.25672
81	0.79414	1.24291	0.78525	1.25496
82	0.79533	1.24126	0.78648	1.25323
83	0.79649	1.23965	0.78769	1.25153
84	0.79764	1.23807	0.78888	1.24987
85	0.79876	1.23652	0.79005	1.24824
86	0.79987	1.23499	0.79120	1.24664
87	0.80096	1.23350	0.79233	1.24507
88	0.80203	1.23203	0.79344	1.24352
89	0.80308	1.23059	0.79453	1.24201
90	0.80412	1.22917	0.79561	1.24052
91	0.80514	1.22778	0.79667	1.23906
92	0.80614	1.22641	0.79771	1.23762
93	0.80713	1.22507	0.79874	1.23621
94	0.80810	1.22375	0.79975	1.23482
95	0.80906	1.22245	0.80074	1.23345
96	0.81000	1.22117	0.80172	1.23211
97	0.81093	1.21992	0.80269	1.23079
98	0.81185	1.21868	0.80364	1.22949
99	0.81275	1.21746	0.80458	1.22822

**Table D. Sources for resident population and population including Armed Forces abroad:
Birth and death-registration states, 1900-1932, and United States, 1900-2004**

[2004] National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2004, by year, state and county, age, bridged race, sex, and Hispanic origin (vintage 2004). File pcen_v2004.txt (ASCII). Released September 8, 2005. Available at:
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm>

[2004] US Census Bureau. Monthly postcensal resident population plus Armed Forces overseas, by single year of age, sex, race, and Hispanic origin. Available at:
http://www.census.gov/popest/national/asrh/2004_nat_af.html

[2003] National Center for Health Statistics. Postcensal estimates of the resident population of the United States as of July 1, 2003, by year, state and county, age, bridged race, sex, and Hispanic origin (vintage 2003). File pcen_v2003_y03.txt (ASCII). Released September 14, 2004. Available at:
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/datadoc.htm>

[2002] National Center for Health. Postcensal estimates of the resident population of the United States as of July 1, 2002, by state and county, age, bridged race, sex, and Hispanic origin. File pcen_v2002.txt. Internet released, August 1, 2003. Available at:
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>

[2001] National Center for Health. Postcensal estimates of the resident population of the United States as of July 1, 2001, by state and county, age, bridged race, sex, and Hispanic origin. File pcen_v2001.txt. Internet released, August 1, 2003. Available at:
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>

[2001] National Center for Health. Postcensal estimates of the resident population of the United States as of July 1, 2001, by age, bridged race, sex, and Hispanic origin. File pcen_v2001.txt. Internet released, January 12, 2003. Available at:
<http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>

[2000] National Center for Health Statistics. Estimates of the April 1, 2000, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File br040100.txt. Internet released, January 12, 2003. Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1999] National Center for Health Statistics. Intercensal estimates of the July 1, 1999, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1999.txt. Internet released, April 15, 2003. Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1998] National Center for Health Statistics. Intercensal estimates of the July 1,

1998, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1999.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1997] National Center for Health Statistics. Intercensal estimates of the July 1, 1997, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1997.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1996] National Center for Health Statistics. Intercensal estimates of the July 1, 1996, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1996.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1995] National Center for Health Statistics. Intercensal estimates of the July 1, 1995, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1995.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1994] National Center for Health Statistics. Intercensal estimates of the July 1, 1994, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1994.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1993] National Center for Health Statistics. Intercensal estimates of the July 1, 1993, United States resident population state and county, by age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1993.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1992] National Center for Health Statistics. Intercensal estimates of the July 1, 1992, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1992.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

[1991] National Center for Health Statistics. Intercensal estimates of the July 1, 1991, United States resident population by state and county, age, sex, bridged race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau. File icen1991.txt. Internet released, April 15, 2003.
Available at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

Table E. Percentage net undercount, by age, sex, and race/Hispanic origin: United States, April 1, 2000	
Characteristic	Estimate (%)
Total	-0.49
Age/sex	
10–17 Male and female	-1.32
18–29 Male	1.12
18–29 Female	-1.39
30–49 Male	2.01
30–49 Female	-0.60
50 years and over male	-0.80
50 years and over female	-2.53
Race/Hispanic origin	
Non-Hispanic white	-1.13
Non-Hispanic black	1.84
Hispanic	0.71

SOURCE: Fenstermaker D, Haines D. Summary of estimated net coverage. DSSD A.C.E. Revision II Memorandum Series #PP-54. Washington: U.S. Census Bureau. 2002.

Table 4–1. Population of birth- and death-registration states, 1900–1932,
and United States, 1900–2004

[Population enumerated as of April 1 for 1940, 1950, 1960, 1970, 1980, 1990, and 2000 and estimated as of July 1 for all other years]

Year	United States 1/		Year	United States 1/		Birth-registration States		Death-registration States	
	Population including Armed Forces abroad	Population residing in area		Population including Armed Forces abroad	Population residing in area	Number of States2/	Population residing in area	Number of States2/	Population residing in area
2004	293,906,517	293,655,404							
2003	291,028,156	290,810,789	1950	151,132,000	150,697,361
2002	288,600,204	288,368,706	1949	149,188,000	148,665,000
2001	285,024,000	284,796,887	1948	146,631,000	146,093,000
2000	281,652,000	281,421,906	1947	144,126,000	143,446,000
1999	279,294,713	279,040,168	1946	141,389,000	140,054,000
1998	276,115,288	275,854,104	1945	139,928,000	132,481,000
1997	272,911,760	272,646,925	1944	138,397,000	132,885,000
1996	269,667,391	269,394,284	1943	136,739,000	134,245,000
1995	266,557,091	266,278,393	1942	134,860,000	133,920,000
1994	263,435,673	263,125,821	1941	133,402,000	133,121,000
1993	260,255,352	259,918,588	1940	131,820,000	131,669,275
1992	256,894,189	256,514,224	1939	131,028,000	130,879,718
1991	253,492,503	252,980,941	1938	129,969,000	129,824,939
1990	249,225,000	248,709,873	1937	128,961,000	128,824,829
1989	247,342,000	246,819,000	1936	128,181,000	128,053,180
1988	245,021,000	244,499,000	1935	127,362,000	127,250,232
1987	242,804,000	242,289,000	1934	126,485,000	126,373,773
1986	240,651,000	240,133,000	1933	125,690,000	125,578,763
1985	238,466,000	237,924,000	1932	124,949,000	124,840,471	47	118,903,899	47	118,903,899
1984	236,348,000	235,825,000	1931	124,149,000	124,039,648	46	117,455,229	47	118,148,987
1983	234,307,000	233,792,000	1930	123,188,000	123,076,741	46	116,544,946	47	117,238,278
1982	232,188,000	231,664,000	1929		121,769,939	46	115,317,450	46	115,317,450
1981	229,966,000	229,466,000	1928		120,501,115	44	113,636,160	44	113,636,160
1980	227,061,000	226,545,805	1927		119,038,062	40	104,320,830	42	107,084,532
1979	225,055,000	224,567,000	1926		117,399,225	35	90,400,590	41	103,822,683
1978	222,585,000	222,095,000	1925		115,831,963	33	88,294,564	40	102,031,555
1977	220,239,000	219,760,000	1924		114,113,463	33	87,000,295	39	99,318,098
1976	218,035,000	217,563,000	1923		111,949,945	30	81,072,123	38	96,788,197
1975	215,973,000	215,465,000	1922		110,054,778	30	79,560,746	37	92,702,901
1974	213,854,000	213,342,000	1921		108,541,489	27	70,807,090	34	87,814,447

1973	211,909,000	211,357,000	1920		106,466,420	23	63,597,307	34	86,079,263	
1972	209,896,000	209,284,000	1919	105,063,000	104,512,110	22	61,212,076	33	83,157,982	
1971	207,661,000	206,827,000	1918	104,550,000	103,202,801	20	55,153,782	30	79,008,412	
1970	204,270,000	203,211,926	1917	103,414,000	103,265,913	20	55,197,952	27	70,234,775	
1969	202,677,000	201,385,000	1916		101,965,984	11	32,944,013	26	66,971,177	
1968	200,706,000	199,399,000	1915		100,549,013	10	31,096,697	24	61,894,847	
1967	198,712,000	197,457,000	1914		99,117,567	24	60,963,309	
1966	196,560,000	195,576,000	1913		97,226,814	23	58,156,740	
1965	194,303,000	193,526,000	1912		95,331,300	22	54,847,700	
1964	191,889,000	191,141,000	1911		93,867,814	22	53,929,644	
1963	189,242,000	188,483,000	1910		92,406,536	20	47,470,437	
1962	186,538,000	185,771,000	1909		90,491,525	18	44,223,513	
1961	183,691,000	182,992,000	1908		88,708,976	17	38,634,759	
1960	179,933,000	179,323,175	1907		87,000,271	15	34,552,837	
1959	177,264,000	176,513,000	1906		85,436,556	15	33,782,288	
1958	174,141,000	173,320,000	1905		83,819,666	10	21,767,980	
1957	171,274,000	170,371,000	1904		82,164,974	10	21,332,076	
1956	168,221,000	167,306,000	1903		80,632,152	10	20,943,222	
1955	165,275,000	164,308,000	1902		79,160,196	10	20,582,907	
1954	162,391,000	161,164,000	1901		77,585,128	10	20,237,453	
1953	159,565,000	158,242,000	1900		76,094,134	10	19,965,446	
1952	156,954,000	155,687,000								
1951	154,287,000	153,310,000								

- - - Data not available.

... Category not applicable.

^{1/} Alaska included beginning 1959 and Hawaii, 1960.

^{2/} The District of Columbia is not included in "Number of States," but it is represented in all data shown for each year.

SOURCE: Published and unpublished data from the U.S. Census Bureau; see text and table D.

Table 4-2. Estimated total population by race, and estimated female population by age and race: United States, 2004

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian	Asian or Pacific Islander
Total population	293,655,404	238,268,102	38,600,765	3,148,484	13,638,053
Female population					
15-44 years	62,033,402	48,758,090	9,115,649	745,279	3,414,384
10-14 years	10,314,017	7,970,814	1,749,557	149,173	444,473
15-19 years	10,094,408	7,882,326	1,623,541	146,719	441,822
15-17 years	6,074,126	4,730,761	991,660	88,794	262,911
18-19 years	4,020,282	3,151,565	631,881	57,925	178,911
20-24 years	10,168,314	7,948,811	1,569,086	137,971	512,446
25-29 years	9,566,092	7,424,518	1,427,396	115,539	598,639
30-34 years	10,129,814	7,877,175	1,458,754	111,792	682,093
35-39 years	10,481,803	8,290,818	1,472,528	111,698	606,759
40-44 years	11,592,971	9,334,442	1,564,344	121,560	572,625
45-49 years	11,204,882	9,126,191	1,442,853	111,542	524,296

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. The multiple-race population estimates were bridged to the single race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 41.

Table 4-3. Estimated total population by specified Hispanic origin and estimated female population by age and specified Hispanic origin and by race for women of non-Hispanic origin: United States, 2004

[Populations estimated as of July 1]

Age	Hispanic					Non-Hispanic		
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic ¹	Total ²	White	Black
Total population	41,322,073	27,239,634	3,796,668	1,615,256	8,670,410	252,333,331	199,775,516	36,921,613
Female population								
15-44 years	9,675,716	6,342,530	895,458	280,672	2,157,027	52,357,686	39,792,952	8,690,960
10-14 years	1,849,239	1,287,209	192,908	47,645	321,475	8,464,778	6,270,957	1,661,367
15-19 years	1,610,907	1,063,976	169,131	36,712	341,085	8,483,501	6,398,834	1,550,705
15-17 years	978,802	643,799	101,899	25,850	207,252	5,095,324	3,830,286	946,674
18-19 years	632,105	420,177	67,232	10,862	133,833	3,388,177	2,568,548	604,031
20-24 years	1,692,204	1,152,713	140,572	32,568	366,353	8,476,110	6,383,764	1,495,431
25-29 years	1,746,376	1,187,946	149,086	42,753	366,575	7,819,716	5,804,787	1,350,322
30-34 years	1,707,611	1,143,451	149,322	46,282	368,555	8,422,203	6,289,881	1,384,303
35-39 years	1,531,559	958,065	144,142	61,685	367,660	8,950,244	6,868,928	1,405,377
40-44 years	1,387,059	836,379	143,205	60,672	346,799	10,205,912	8,046,758	1,504,822
45-49 years	1,124,013	632,549	121,460	53,200	316,809	10,080,869	8,082,874	1,394,156

1 Includes Central and South American and other and unknown Hispanic.

2 Includes races other than white and black.

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. The multiple-race population estimates were bridged to the single race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 44.

**4-4. Estimated total population and female population aged 15-44 years:
United States, each state, and territory: July 1, 2004**

Geographic area	Total population	Females 15-44 years
United States	293,655,404	62,033,402
Alabama	4,530,182	953,205
Alaska	655,435	138,894
Arizona	5,743,834	1,178,796
Arkansas	2,752,629	564,382
California	35,893,799	7,737,852
Colorado	4,601,403	995,583
Connecticut	3,503,604	715,420
Delaware	830,364	178,248
District of Columbia	553,523	136,276
Florida	17,397,161	3,401,004
Georgia	8,829,383	1,980,901
Hawaii	1,262,840	247,068
Idaho	1,393,262	291,644
Illinois	12,713,634	2,711,823
Indiana	6,237,569	1,300,718
Iowa	2,954,451	602,688
Kansas	2,735,502	568,540
Kentucky	4,145,922	875,838
Louisiana	4,515,770	980,207
Maine	1,317,253	266,261
Maryland	5,558,058	1,197,939
Massachusetts	6,416,505	1,389,346
Michigan	10,112,620	2,112,016
Minnesota	5,100,958	1,095,018
Mississippi	2,902,966	627,018
Missouri	5,754,618	1,209,678
Montana	926,865	183,589
Nebraska	1,747,214	362,935
Nevada	2,334,771	484,917
New Hampshire	1,299,500	272,632
New Jersey	8,698,879	1,796,444
New Mexico	1,903,289	394,725
New York	19,227,088	4,119,291
North Carolina	8,541,221	1,814,855
North Dakota	634,366	129,654
Ohio	11,459,011	2,375,500
Oklahoma	3,523,553	730,010
Oregon	3,594,586	738,861
Pennsylvania	12,406,292	2,493,556
Rhode Island	1,080,632	232,239
South Carolina	4,198,068	889,545
South Dakota	770,883	156,547
Tennessee	5,900,962	1,255,897
Texas	22,490,022	4,929,807
Utah	2,389,039	549,253

Vermont	621,394	126,655
Virginia	7,459,827	1,599,066
Washington	6,203,788	1,324,693
West Virginia	1,815,354	357,916
Wisconsin	5,509,026	1,156,113
Wyoming	506,529	102,339
Puerto Rico	3,894,855	853,843
Virgin Islands	108,775	22,581
Guam	166,090	37,124
American Samoa	57,902	12,946
Northern Marianas	78,252	31,112

Source: National Center for Health Statistics. Unpublished estimates of the July 1, 2004, United States population by age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau, 2004.

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Births: Final Data for 2004

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Abstract

Objectives—This report presents 2004 data on U.S. births according to a wide variety of characteristics. Data are presented for maternal demographic characteristics including age, live-birth order, race, Hispanic origin, marital status, and educational attainment; maternal lifestyle and health characteristics (medical risk factors, weight gain, and tobacco use); medical care utilization by pregnant women (prenatal care, obstetric procedures, characteristics of labor and/or delivery, attendant at birth, and method of delivery); and infant

characteristics (period of gestation, birthweight, Apgar score, congenital anomalies, and multiple births). Also presented are birth and fertility rates by age, live-birth order, race, Hispanic origin, and marital status. Selected data by mother's state of residence are shown, as well as data on month and day of birth, sex ratio, and age of father. Trends in fertility patterns and maternal and infant characteristics are described and interpreted.

Methods—Descriptive tabulations of data reported on the birth certificates of the 4.1 million births that occurred in 2004 are presented.

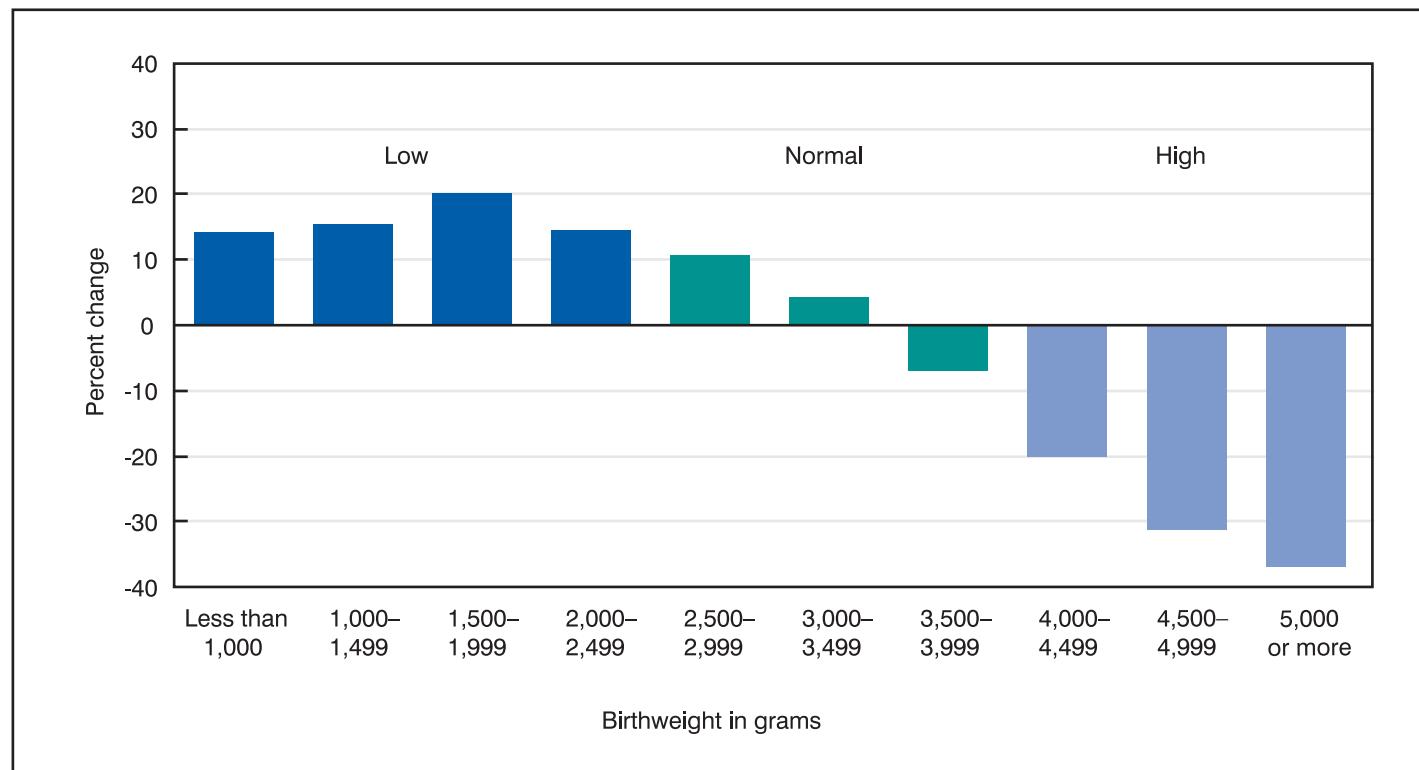


Figure 1. Percentage change in birthweight by 500 gram intervals: United States, 1990 and 2004

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Denominators for population-based rates are post-censal estimates derived from the U.S. 2000 census.

Results—In 2004, 4,112,052 births were registered in the United States, less than 1 percent more than the number in 2003. The crude birth rate declined slightly; the general fertility rate increased by less than 1 percent. Childbearing among teenagers and women aged 20–24 years declined to record lows. Rates for women aged 25–34 and 45–49 years were unchanged, whereas rates for women aged 35–44 years increased. All measures of unmarried childbearing rose in 2004. Smoking during pregnancy continued to decline. No improvement was seen in the timely initiation of prenatal care. The cesarean delivery rate jumped 6 percent to another all-time high, whereas the rate of vaginal birth after previous cesarean fell by 13 percent. Preterm and low birthweight rates continued their steady rise. The twinning rate increased, but the rate of triplet and higher order multiple births was down slightly.

Keywords: births • birth certificate • maternal and infant health • birth rates • maternal characteristics

Highlights

- In 2004, 4,112,052 births were registered in the United States, 22,102 more than in 2003. Births increased for Hispanic women, were essentially unchanged for non-Hispanic black women, and declined for non-Hispanic white women.
- The crude birth rate for the U.S. in 2004 declined slightly from 2003, to 14.0 live births per 1,000 total population. However, the general fertility rate in 2004 increased slightly from the 2003 rate, to 66.3 live births per 1,000 women aged 15–44 years. Fertility rates for non-Hispanic white and non-Hispanic black women were essentially unchanged between 2003 and 2004; the rate for Hispanic women increased by 1 percent. Fertility also increased for Asian or Pacific Islander (API) women, but was essentially unchanged for American Indian or Alaska Native (AIAN) women.
- The **birth rate for teenagers** declined 1 percent in 2004 to 41.1 births per 1,000 women aged 15–19 years. The rate has dropped one-third since its recent peak in 1991. The rates for teenage

subgroups 15–17 and 18–19 years each fell 1 percent, to 22.1 and 70.0, respectively. These reductions were the smallest since the downward trend began after 1991. The rate for the youngest teenagers, 10–14 years, rose slightly from 0.6 to 0.7 per 1,000 in 2004, the first increase since 1988–89. Among population subgroups, rates fell 2 to 3 percent for non-Hispanic white and black teenagers 15–19 years. Since 1991, the rate for black teenagers has fallen almost one-half, from 118.2 to 63.1 per 1,000, whereas rates for non-Hispanic white, AIAN, and API teenagers dropped 36–38 percent. The rate for Hispanic teenagers declined 21 percent over this period, but there was very little change in the rate for 2004.

- The **birth rate for women aged 20–24 years** declined to 101.7 births per 1,000 women in 2004, marking another record low. The birth rate for **women aged 25–29 years**, 115.5 births per 1,000 women, was not significantly different from the rate in 2003. The **birth rate for women aged 30–34 years** was 95.3 births per 1,000, the highest level since 1964 but not significantly different from the rate in 2003, whereas the **birth rate for women aged 35–39 years** was up 4 percent, to 45.4 births per 1,000 women. The **birth rate for women aged 40–44 years** rose by 2 percent, to 8.9. The birth rate for women aged 45–49 years was unchanged. A total of 374 births to women aged 50–54 years were reported in 2004.
- The **first birth rate** declined slightly between 2003 and 2004, to 26.4 births per 1,000 women aged 15–44 years. First birth rates for women aged 10–14 and 45–49 years were unchanged between 2003 and 2004, whereas the rates for women in all 5-year age groups 15–34 years decreased by 1 percent. The rates for women aged 35–39 and 40–44 years increased by 3 and 5 percent, respectively.
- The **mean or average age at first birth** for the United States in 2004 was 25.2 years, unchanged from 2003. Mean age at first birth for non-Hispanic white, non-Hispanic black, and Hispanic women was unchanged between 2003 and 2004. Mean age at first birth was highest for API women, 28.4 years, and lowest for American Indian or Alaska Native women, 21.8 years.
- For the second consecutive year, all measures of **childbearing by unmarried women** rose. The **birth rate** rose 3 percent to 46.1 per 1,000 unmarried women aged 15–44 years in 2004, essentially matching the previous high point recorded in 1994. During the years 1995–2002 the rate was fairly stable. The **number of births to unmarried women** climbed 4 percent, to 1,470,189, the highest number ever recorded in the more than six decades for which comparable national statistics are available. The **proportion of all births to unmarried women** increased to 35.8 percent in 2004. Birth rates for unmarried teenagers continued to fall, though more modestly than in previous years, whereas rates for unmarried women aged 20 years and over continued to increase. Unmarried teenagers accounted for only 24 percent of all non-marital births in 2004, whereas unmarried women in their twenties accounted for 59 percent.
- **Cigarette smoking** during pregnancy was reported in two distinct formats in 2004. For the nearly three-quarters of births in states asking about tobacco use with a simple “yes/no” question, 10.2 percent of their mothers reported smoking in 2004, down slightly compared with 2003 (10.4 percent). Among the seven

states that reported this information from a revised question asking for tobacco use in each trimester of pregnancy, 16.3 percent reported smoking at some point during pregnancy. The higher level reflects both higher smoking prevalence in those states and the more specific focus of the revised question, capturing smoking at three separate points during pregnancy. Infants born to mothers who smoke are substantially more likely than infants born to nonsmokers to be low birthweight (LBW). For the seven states collecting information using the revised question, the LBW levels were 11.9 percent for births to smokers and 7.2 percent for non-smokers.

- **Timely initiation of prenatal care** does not appear to have improved in the United States in 2004. For the 41-state reporting area for which comparable data are available, 83.9 percent of women began care in the first trimester of pregnancy, essentially unchanged from 2003. No improvement was reported in the percentage of women with late (care beginning in the last trimester of pregnancy) or no care for 2003–2004 (3.6 percent). Prenatal care utilization had improved modestly, but fairly steadily between 1990 and 2003.
- The **rate of induction of labor** increased for 2003–2004 to 21.2 percent. This is more than twice the 1990 rate (9.5 percent).
- Between 2003 and 2004, the **rate of cesarean delivery** increased by 6 percent to 29.1 percent of all births, the highest rate ever reported in the U.S. After falling between 1989 and 1996, the cesarean rate has risen by 41 percent. The primary rate increased 8 percent, and the rate of vaginal birth after cesarean delivery (VBAC) fell by 13 percent for 2003–2004.
- The **preterm birth rate** rose 2 percent in 2004, to 12.5 percent of all births. The percentage of infants delivered preterm (less than 37 completed weeks of gestation) has climbed 18 percent since 1990. Increases for 2003–2004 were reported among both very preterm (less than 32 weeks) and moderately preterm (32–36 weeks) births. Although multiple births have contributed importantly to this recent rise, preterm rates for singletons have also increased, up 11 percent since 1990. Nearly all of the increase in the singleton preterm rate is among late preterm (34–36 week) births. All preterm infants are at heightened risk of morbidity and mortality compared with infants born at higher gestational ages.
- The **low birthweight (LBW) rate** rose to 8.1 percent in 2004, the highest level reported since 1969. The percentage of infants born at less than 2,500 grams has increased 16 percent since 1990. In contrast, large reductions in the percentage of heavier birth-weight infants (3,500 grams or greater or 7 lb 12 oz or more) are seen since 1990 (**Figure 1**). Increases in LBW between 2003 and 2004 are seen for very low (less than 1,500 grams) and moderately LBW (1,500–2,499 grams) infants, and for each of the largest racial/ethnic groups. The LBW rate for infants born in single deliveries (multiple births have a large influence on overall LBW levels) also rose for 2003–2004, and is up 7 percent since 2000.
- The **twin birth rate** rose 2 percent in 2004, to 32.3 twins per 1,000 births, another record high. The twinning rate has climbed 42 percent since 1990 and 70 percent since 1980. The rate of triplet/+ births declined 6 percent for 2004, to 176.9 per 100,000 births. The triplet/+ birth rate soared 400 percent between 1980 and 1998, but has trended slightly downward since. Twins and triplets/+ are on average born much smaller than infants born in single deliveries.

On average twins weigh more than 2 lb and triplets more than 3 lb less than singletons.

Introduction

This report presents detailed data on numbers and characteristics of births in 2004, birth and fertility rates, maternal lifestyle and health characteristics, medical services utilization by pregnant women, and infant health characteristics. These data provide important information on fertility patterns among American women by such characteristics as age, live-birth order, race, Hispanic origin, marital status, and educational attainment. Up-to-date information on these fertility patterns is critical to understanding population growth and change in this country and in individual states. Data on maternal characteristics such as weight gain, tobacco use, and medical risk factors are useful in accounting for differences in birth outcomes. Information on use of prenatal care, obstetric procedures, complications of labor and/or delivery, attendant at birth and place of delivery, and method of delivery by maternal demographic characteristics can also help to explain differences in birth outcomes. It is very important that data on birth outcomes, especially levels of LBW and preterm birth, be continuously monitored, because these variables are important predictors of infant mortality and morbidity.

A report of preliminary birth statistics for 2004 presented data on selected topics based on a substantial sample (99.1 percent) of the 2004 birth file (1). Findings for the selected measures (age, race, Hispanic origin, marital status of mother, live-birth order, prenatal care, maternal smoking, cesarean delivery, preterm births, and LBW) based on the preliminary data are very similar to those presented here based on final data. In addition to the tabulations included in this report, more detailed analysis is possible by using the Natality public-use file that is issued for each year. The data file has been available on tape and in CD-ROM format since 1968, and a selection of tables of detailed data are available on the National Center for Health Statistics (NCHS) website at <http://www.cdc.gov/nchs/datawh/statab/unpubd/nativity/natab2001.htm> (2,3).

The 1989 and the 2003 Revisions of the U.S. Certificate of Live Birth

This report includes 2004 data on items that are collected on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 Revision of the U.S. Standard Certificate of Live Birth (revised). The 2003 revision is described in detail elsewhere (4–6). Pennsylvania and Washington implemented the revised certificate in 2003; five states, Idaho, Kentucky, New York (excluding New York City), South Carolina, and Tennessee implemented as of January 1, 2004. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven revised states, for which data are available for all of 2004, represent 14 percent of all births.

Data items exclusive to either the 1989 (i.e., maternal anemia, ultrasound, and alcohol use) or the 2003 birth certificate revision (i.e., use of infertility treatment, NICU admission, and maternal morbidity) are

not shown in this report. Supplemental 2004 tables for data exclusive to the 1989 revision are available on the NCHS website (www.cdc.gov/nchs), including alcohol use during pregnancy. A forthcoming report will present selected information exclusive to the 2003 revision.

Methods

Data shown in this report are based on 100 percent of the birth certificates registered in all states and the District of Columbia. More than 99 percent of births occurring in this country are registered (7). Tables showing data by state also provide separate information for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas. However, these areas are not included in totals for the United States.

Race and Hispanic origin are reported independently on the birth certificate. In tabulations of birth data by race and Hispanic origin, data for Hispanic persons are not further classified by race because the majority of women of Hispanic origin are reported as white. Most tables in this report show data for these categories: non-Hispanic white, non-Hispanic black, and Hispanic. Data for American Indian or Alaska Native (AIAN) and Asian or Pacific Islander (API) births are not shown separately by Hispanic origin because the majority of these populations are non-Hispanic. Data are also presented in some tables for four specific Hispanic subgroups: Mexican, Puerto Rican, Cuban, and Central and South American, and for an additional subgroup referred to as "other and unknown Hispanic." Text references to black births and black mothers or white births and white mothers are used interchangeably for ease in writing.

In 1997, the Office of Management and Budget (OMB) issued "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity" (8–10). The 1997 revised standards incorporated two major changes designed to reflect the changing racial and ethnic profile of the United States. First, the revision increased from four to five the minimum set of categories to be used by federal agencies for identification of race. The 1977 standards required federal agencies to report race-specific tabulations using a minimum set of four single-race categories: AIAN, API, black, and white. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. The revised standards also require federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the 1997 revised standards. However, the National Vital Statistics System, which is based on data collected by the states, will not be fully compliant with the new standards until all of the States revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see "Population denominators"). In order to compute rates, it is necessary to bridge population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

For the 2004 data year, multiple race was reported by California, Florida (for births occurring from March 1, 2004, only), Hawaii, Idaho,

Kentucky, Michigan (for births at selected facilities only), Minnesota, New Hampshire (for births occurring from July 19, 2004, only), New York State (excluding New York City), Ohio, Pennsylvania, South Carolina, Tennessee, Utah, and Washington. Data from the vital records of the remaining states, the District of Columbia, and New York City followed the 1977 OMB standards in which a single race is reported (8,9). In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards, compared with the minimum of five races for the 1997 standards.

To provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to bridge the responses of those who reported more than one race to a single race. Multiple race is imputed to a single race (one of the following: AIAN, API, black, or white) according to the combination of races, Hispanic origin, sex, and age indicated on the birth certificate of the mother or father (10–13); see "[Technical Notes](#)." The bridging procedure imputes multiple race of mothers as reported on the birth certificate to one of the four minimum races stipulated in the 1977 OMB standards, that is, AIAN, API, black, or white. Mothers of a specified API subgroup, that is, Chinese, Japanese, Hawaiian, or Filipino, in combination with another race, that is, AIAN, black, or white, or another API subgroup cannot be imputed to a particular API subgroup. For this report, data are not shown for the specified API subgroups because of this change (4,14); see "[Technical Notes](#)." Reports on 2003 and 2004 births to multiple-race women are forthcoming.

Changes in the processing of information on Hispanic origin for the 2003 Revision of the U.S Standard Certificate of Live Birth (revised) allows for the capturing of multiple Hispanic subgroups for the nine states that implemented the revised certificate, and for Minnesota, which used the 1989 Revision of the U.S. Standard Certificate of Live Birth in 2004. Mothers reporting more than one Hispanic origin subgroup represented 1.5 percent of all 2004 births and are classified as "other and unknown" Hispanic; see "[Technical Notes](#)."

Information on educational attainment, prenatal care, and tobacco use, although collected on both the 1989 and the 2003 revisions of the U.S. Standard Certificates of Live Birth, are not considered comparable between revisions, and, accordingly, are presented separately in this report. Data on educational attainment, prenatal care, and tobacco use for the two states that revised after January 1, 2004 are excluded from all tabulations; see "[Technical Notes](#)."

Information on the measurement of marital status, gestational age, and birthweight; the computation of derived statistics and rates; population denominators; random variation and relative standard error; and the definitions of terms are presented in the "[Technical Notes](#)."

Information on births by age, race, or marital status of mother is imputed if it is not reported on the birth certificate. These items were not reported for less than 1 percent of U.S. births in 2003. (See "[Technical Notes](#)" for additional information.) All other maternal, paternal, and infant characteristics (except items on which length of gestation is calculated) are not imputed. Births for which a particular characteristic is unknown are subtracted from the figures for total births that are used as denominators before percentages, percent distributions, and medians are computed. Levels of incomplete reporting vary substantially by specific item and by state. [Table I](#) in the "[Technical Notes](#)" provides information on the percentage of records with missing information for each item by state for 2004.

Demographic Characteristics

Births and birth rates

Number of births

In 2004, a total of 4,112,052 **births** were registered in the United States, 22,102 more than in 2003. The number of births in 2004 is the highest reported since 1990 (4,158,212). After a downward trend from 1990 to 1997, the total number of births has generally increased. (See [Tables 1–15 for national and state data by age, live-birth order, race, and Hispanic origin](#).)

The number of births to non-Hispanic white women declined by 1 percent in 2004; births to non-Hispanic black women were essentially unchanged ([Tables 1 and 5](#)). Births rose by 2 percent for American Indian or Alaska Native (AIAN) women, and 4 percent for Asian or Pacific Islander (API) and Hispanic women. Among the specified Hispanic groups, births increased by 1 percent for Cuban women, 4 percent for Mexican women, 5 percent for Puerto Rican women, and 6 percent for Central and South American women.

Crude birth rate

In 2004, the **crude birth rate** (CBR) was 14.0 live births per 1,000 women (total population), 1 percent lower than the rate for 2003 (14.1). After dropping steadily from 1990, the most recent peak (16.7), to 1997 (14.2), the CBR has fluctuated between 13.9 and 14.4 per 1,000 ([Tables 1 and 5](#)).

Fertility rate

The 2004 **general fertility rate** (GFR) was 66.3 live births per 1,000 women of childbearing age (15–44 years), a slight increase over the 2003 rate (66.1), and the highest rate since 1993 (67.0). After decreasing substantially from 1990 to 1997 (from 70.9 to 63.6), then increasing moderately from 1997 to 2000, the GFR has generally fluctuated ([Figure 2 and Tables 1 and 5](#)).

The GFRs for non-Hispanic white and non-Hispanic black women were essentially unchanged between 2003 and 2004; in contrast, the rate for Hispanic women increased by 1 percent ([Table 5](#)). Among the specified Hispanic origin groups, fertility levels for Mexican women were up 1 percent and fertility levels for Puerto Rican women were up 11 percent, whereas the levels for “other” Hispanic and Cuban women were down 2 and 14 percent, respectively. The 2004 fertility rates for all race and Hispanic origin groups except Cubans were below the 1990 levels. The fertility rate for API women increased by 1 percent from 2003 to 2004; the rate for AIAN women was essentially unchanged ([Table 1](#)).

Age of mother

Teenagers—Birth rates for adolescents aged 15–19 years declined again in 2004, but at a much slower pace than reported over the dozen years extending from 1991 to 2003. The rates for 2004 were still record lows for the United States ([Tables A, 3, 4, 8, and Figures 3 and 4](#)). The **birth rate for the youngest teenagers increased** to 0.7 births per 1,000 females aged 10–14 years in 2004, compared with 0.6 in 2003; nonetheless, the 2004 rate was one-half the rate reported a decade earlier (1.4 per 1,000 in 1994) (15). The

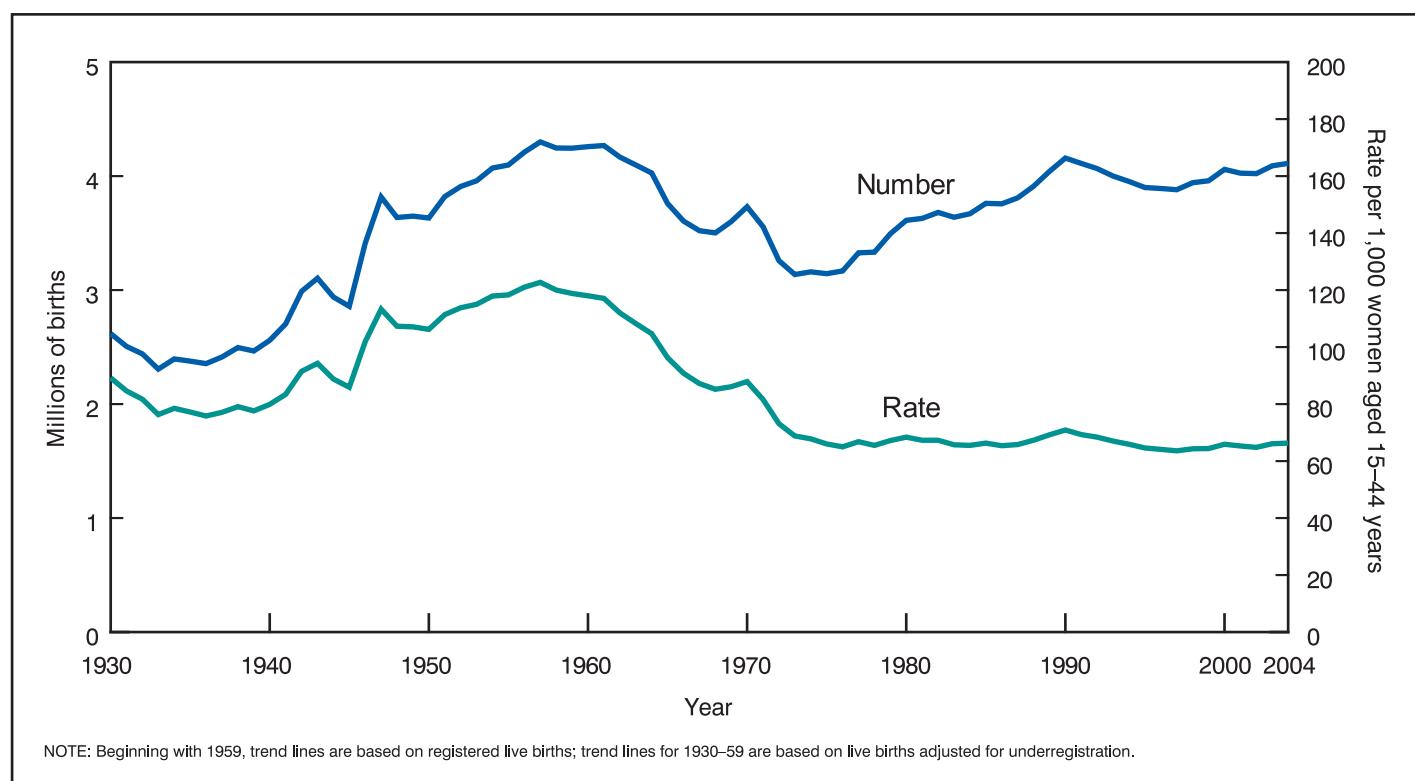


Figure 2. Live births and fertility rates: United States, 1930–2004

Table A. Birth rates for women aged 10–19 years, by age and race and Hispanic origin of mother: United States, 1991, 2002, 2003, and 2004, and percentage change in rates, 1991–2004 and 2003–04

[Rates per 1,000 women in specified group]

Age and race and Hispanic origin of mother					Percent change, 2003–04	Percent change, 1991–2004
	2004	2003	2002	1991		
10–14 years						
All races and origins ¹	0.7	0.6	0.7	1.4	17	-50
Non-Hispanic white	0.2	0.2	0.2	0.5	0	-60
Non-Hispanic black	1.6	1.6	1.9	4.9	0	-67
American Indian total ^{2,3}	0.9	1.0	0.9	1.6	-10	-44
Asian or						
Pacific Islander total ³	0.2	0.2	0.3	0.8	0	-75
Hispanic ⁴	1.3	1.3	1.4	2.4	0	-46
15–19 years						
All races and origins ¹	41.1	41.6	43.0	61.8	-1	-33
Non-Hispanic white	26.7	27.4	28.5	43.4	-3	-38
Non-Hispanic black	63.1	64.7	68.3	118.2	-2	-47
American Indian total ^{2,3}	52.5	53.1	53.8	84.1	-1	-38
Asian or						
Pacific Islander total ³	17.3	17.4	18.3	27.3	-1	-37
Hispanic ⁴	82.6	82.3	83.4	104.6	0	-21
15–17 years						
All races and origins ¹	22.1	22.4	23.2	38.6	-1	-43
Non-Hispanic white	12.0	12.4	13.1	23.6	-3	-49
Non-Hispanic black	37.1	38.7	41.0	86.1	-4	-57
American Indian total ^{2,3}	30.0	30.6	30.7	51.9	-2	-42
Asian or						
Pacific Islander total ³	8.9	8.8	9.0	16.3	1	-45
Hispanic ⁴	49.7	49.7	50.7	69.2	0	-28
18–19 years						
All races and origins ¹	70.0	70.7	72.8	94.0	-1	-26
Non-Hispanic white	48.7	50.0	51.9	70.6	-3	-31
Non-Hispanic black	103.9	105.3	110.3	162.2	-1	-36
American Indian total ^{2,3}	87.0	87.3	89.2	134.2	0	-35
Asian or						
Pacific Islander total ³	29.6	29.8	31.5	42.2	-1	-30
Hispanic ⁴	133.5	132.0	133.0	155.5	1	-14

¹Includes origin not stated.

²Includes births to Aleuts and Eskimos.

³Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."

⁴Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

increase in the birth rate resulted in a 2 percent increase in the number of births in this age group, to 6,781, the first increase among the youngest teenagers since 1993–94.

The birth rate for teenagers 15–19 years declined 1 percent to 41.1 births per 1,000 females (Tables A, 4, and 9). The 2004 rate was 33 percent lower than the rate for the recent peak in 1991 (61.8). There was a fractional increase in the number of births to teenagers 15–19 years, entirely resulting from the 1 percent increase in the number of female teenagers (16) (2004 estimates shown in "Technical Notes" Table II). In 2004, 415,262 babies were born to adolescents 15–19 years.

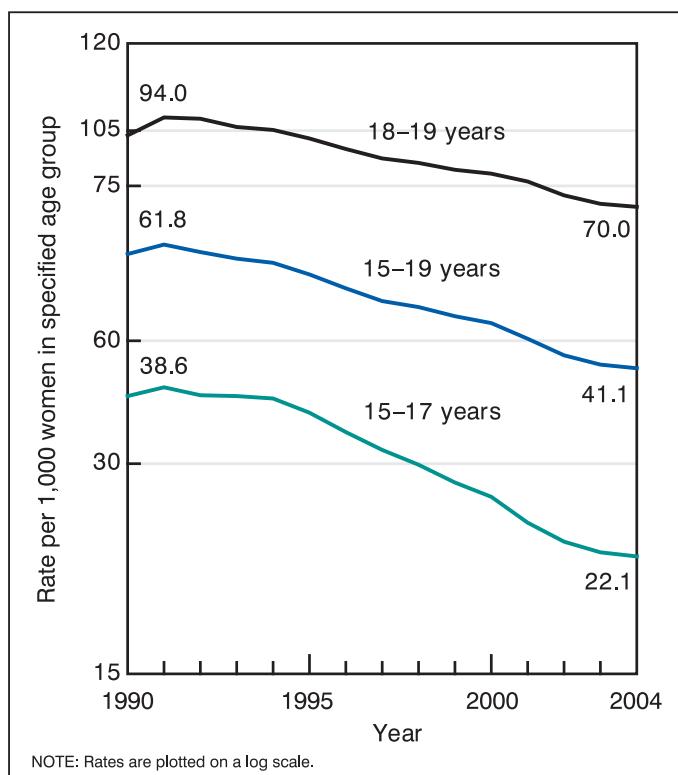


Figure 3. Birth rates for teenagers: United States, 1990–2004

Birth rates for teenagers 15–17 and 18–19 years each dropped 1 percent in 2004, to 22.1 and 70.0 per 1,000, respectively. Overall since 1991, the rate for teenagers 15–17 years fell 43 percent, whereas the rate for older teenagers declined 26 percent. Births to 15–17-year-olds fell to 133,980, the fewest in more than half a century (126,941 in 1950), whereas births to older teenagers increased slightly to 281,282.

Generally, the declines in teenage birth rates for ages 15–19 years in 2004 were strongest among non-Hispanic white and non-Hispanic black females, for whom rates fell 2 to 3 percent. The rate declined 1 percent for AIAN teenagers, increased slightly for Hispanic teenagers, and were essentially unchanged for API teenagers. Among Hispanic subgroups, rates increased for both Mexican teenagers (95.5 per 1,000 aged 15–19 years) and Puerto Rican teenagers (62.6). In 2004, the overall rate remained highest for Mexican teenagers, and lowest for API teenagers, 17.3. Rates for other population groups were 63.1 for non-Hispanic black, 52.5 for AIAN, and 26.7 for non-Hispanic white teenagers.

Throughout the period of steady decline from 1991 to 2004, the sharpest declines were for non-Hispanic black teenagers. Overall, their rate fell 47 percent during this period, but for young black teenagers 15–17 years, the rate dropped more than one-half, from 86.1 per 1,000 in 1991 to 37.1 in 2004 (Table A). Trends in state-specific teenage birth rates are discussed in the section "Births and birth rates by state."

Teenage pregnancy rates fell substantially from 1990 to 2000.

Pregnancy rates are computed from the sums of live births, induced abortions, and fetal losses. Currently, teenage pregnancy rates are available through 2000, the most recent year for which detailed national abortion estimates are available (17–20). The teenage pregnancy rate in 2000 was 84.5 per 1,000 females aged 15–19 years, the lowest rate

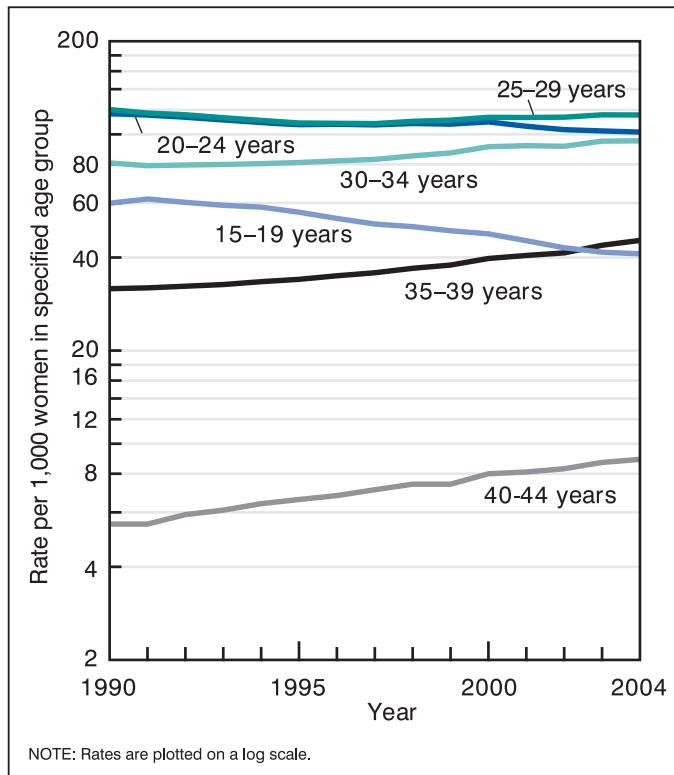


Figure 4. Birth rates by age of mother: United States, 1990–2004

reported since 1976, when the Centers for Disease Control and Prevention (CDC) NCHS series of national estimates first became available (19,20). The rate dropped 27 percent from its 1990 peak (116.3) to 2000. The decline in the pregnancy rate during 1990–2000 is reflected in declines in live birth and induced abortion rates, with larger declines reported for abortions. While national abortion data for years since 2000 are not available, information from CDC's Abortion Surveillance system for 2001 and 2002 for 46 states and the District of Columbia suggest continued declines in the numbers and rates of abortions for teenagers (21,22). These declines together with the declines in birth rates among teenagers indicate that teenage *pregnancy rates* have continued to fall. An analysis of recent trends in pregnancies is in preparation.

Analyses of the 2002 National Survey of Family Growth (NSFG) suggest a number of factors that likely account for the falling pregnancy rates (23). According to the 2002 NSFG, the proportions of young teenage males and females (ages 15–17 years) who had ever had sexual intercourse declined significantly in comparison with the 1995 NSFG and the 1995 National Survey of Adolescent Males. There were also declines for males 18–19 years. At the same time, the use of contraception increased in ways indicating more effective and consistent use. About three out of four teenagers used a method of contraception at first intercourse, and the overwhelming majority (83 percent of females and 91 percent of males) used a method at their most recent sex. The 2002 NSFG also reported that the use of highly effective hormonal methods such as Depo Provera™ and Lunelle™ increased, as did the use of dual methods, such as the condom with a hormonal method. Data for 2005 from CDC's Youth Risk Behavior Survey for school-age youth substantiate the NSFG findings for teenagers' contraceptive use at their most recent sexual intercourse (24). Since the

mid-1990s, many private and public efforts have focused teenagers' attention on the importance of pregnancy prevention through abstinence and responsible behavior (25,26).

Women aged 20 years and over: Women in their twenties—The **birth rate for women aged 20–24 years** was 101.7 births per 1,000 women in 2004, down 1 percent from 2003 (102.6). This is fourth consecutive decline in this rate and marks another record low for this age group for the United States (3). Since 1990, the rate has generally declined, down 13 percent from 116.5 per 1,000 (**Figures 4, 5, and Tables 3, 4, 7, and 8**). The **rate for women aged 25–29 years** in 2004, 115.5 births per 1,000 women, was not significantly different from the rate in 2003. Between 1990 and 1997, the rate for this age group steadily declined but has generally risen since 1998. Women aged 20–29 years, the principal childbearing ages, historically account for the largest share of all births. However, the proportion of births to these women has declined over the last three decades, falling from 65 percent in 1976 to 52 percent of all births in 2004. The distinct differences in trends in birth rates by age for 1990–2004 are illustrated in **Figure 5**.

Women in their thirties—The **birth rate for women aged 30–34 years** in 2004 was 95.3 births per 1,000 women, the highest level since 1964 but not significantly different from the rate in 2003 (95.1) (**Tables 4 and 8**). Between 1991 and 2004, the rate rose by 20 percent. During that period, the *number of births* to women aged 30–34 years increased by 9 percent, entirely reflecting the increase in the birth rates; the *population* of women in this age group declined by 9 percent. The **birth rate for women aged 35–39 years** was 45.4 births per 1,000 women, up 4 percent from the rate in 2003 (43.8). The rate for this age group has increased each year since 1978 (19.0) and has risen 43 percent since only 1990 (31.7). The number of births to women aged 35–39 years reached yet another record high in 2004 (475,606) (**Tables 2 and 6**). From 1990 to 2004, the *number of births* to this age group rose by 50 percent, compared with a 5-percent increase in the *population* of women aged 35–39 years (16,27).

Women in their forties—In 2004, the **birth rate for women aged 40–44 years** rose to 8.9 births per 1,000 women from 8.7 births in 2003, an increase of 2 percent. The rate for this age group is the highest since 1968 (9.6), and more than double the 1981 rate (3.8), the lowest on record. Since 1981, the rate for this age group has generally increased and has risen 62 percent since 1990 (5.5). The number of births to women aged 40–44 years increased by 3 percent during 2003–04, from 101,005 to 103,769, more than twice the number reported for 1990 and the highest number on record for the United States; the population of women aged 40–44 years increased only slightly (by less than 1 percent from 2003 to 2004) (16,27). The **birth rate for women aged 45–49 years** was unchanged between 2003 and 2004, at 0.5 births per 1,000 women. This rate more than doubled between 1990 and 2000 but has remained stable since. The number of births to women aged 45–49 years increased 4 percent, from 5,522 to 5,748 between 2003 and 2004, more than three times the number for 1990 (1,638), and the highest reported since 1939.

Births to women aged 50 years and over—The number of births to women aged 50–54 years increased from 323 to 374 for 2003–04 (**Tables 2 and 6**). The number of births to women in this age group has increased dramatically from 144 in 1997, when data for women 50–54 years became available again. (From 1964 to 1996, age of mother was imputed if the reported age was under 10 years or aged 50 years and over; see "[Technical Notes](#)."

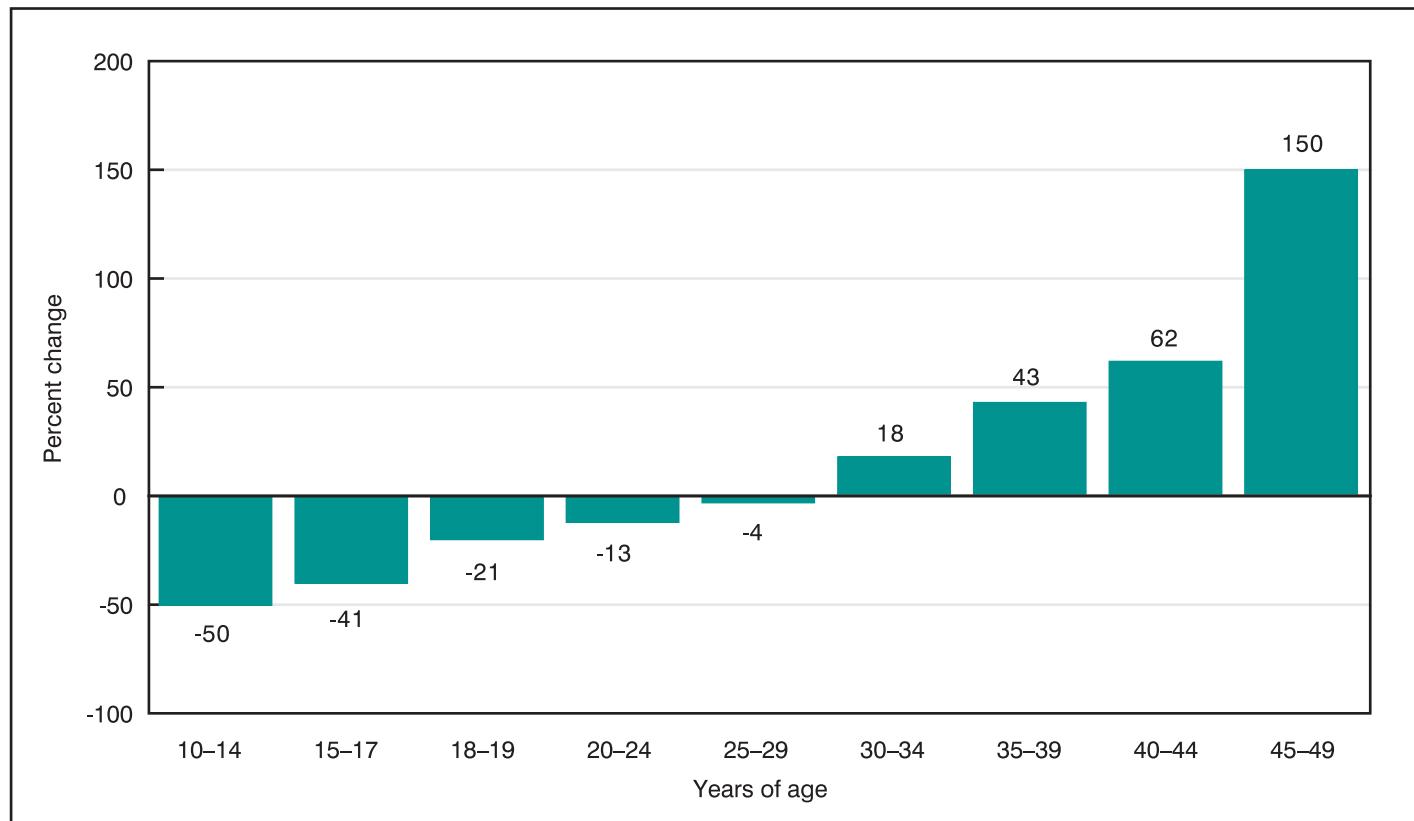


Figure 5. Percentage change in birth rates by age of mother: United States, 1990 and 2004

Because of small numbers, births to women aged 50–54 years historically have been included with births to women aged 45–49 years when computing birth rates by age of mother (the denominator for the rate is women aged 45–49 years). To estimate the incidence of births for women aged 45–49 and 50–54 years separately, we calculated rates for these age groups for 2003 and 2004. Rates are expressed *per 10,000 women* because of the small number of births to women aged 50–54 years. The birth rate for women aged 50–54 years was 0.4 births per 10,000 women in this age group in the U.S. population, significantly higher than the 0.3 births per 10,000 in 2003. Excluding births to women aged 50–54 years had essentially no impact on the birth rate for women aged 45–49 years.

The increase in birth rates for women 35 years of age and over during the last 20 years has been linked, in part, to the use of fertility-enhancing therapies (28). The proportion of childless women aged 35–44 years reporting impaired fecundity who sought fertility treatment rose considerably from 1982 to 1995, although the proportion has leveled off from 1995 to 2002 (29,30). In 2004, 1 out of 18 births to women aged 35 years and over was in a multiple delivery, an outcome associated with infertility treatment, compared with 1 out of 33 births to women under 35 years of age (see section on “Multiple births”). The incidence of multiple deliveries dramatically increases with the age of mother; for example, one out of five births to women aged 45–49 years and one out of every two births to women aged 50–54 years was a multiple birth in 2004.

Live-birth order

The first birth rate for women aged 15–44 years was 26.4 births per 1,000 women in 2004, a slight decline from 2003 (26.5)

(Tables 3 and 7). The first birth rate dropped steadily between 1990 (29.0) and 1997 (25.9), and has since fluctuated moderately (Table 9).

First birth rates for women aged 10–14 and 45–49 years were unchanged between 2003 and 2004, whereas the rates for women in each 5-year age group 15–34 years decreased by 1 percent on average; rates for women aged 35–39 and 40–44 years increased by 3 and 5 percent, respectively.

The rates for third- and fourth-order births for women aged 15–44 years increased by 1 and 2 percent, respectively, from 2003 to 2004, whereas rates of second-, fifth-, sixth and seventh-, and eighth and higher-order births were unchanged.

Another useful measure in interpreting childbearing patterns is the **mean age at first birth**. The mean is the arithmetic average of the age of mothers at the time of birth and is computed directly from the frequency of first births by age of mother. The mean age of first-time mothers in 2004 was 25.2 years, unchanged from the record high set for the United States in 2003 (Tables 10, 14, 15). Since 1970, the mean age at first birth has increased 3.8 years, compared with a 2.9 year increase in the total mean age of mother at birth (Figure 6) (31).

Mean age at first birth was also unchanged for nearly all race and Hispanic origin groups between 2003 and 2004. The average age of first-time mothers remained at 26.2 years for non-Hispanic white, 22.7 years for non-Hispanic black, and 23.1 years for Hispanic women in 2004. Despite the stability in mean age among the three largest race and Hispanic origin groups, substantial variations nevertheless persist. In 2004, API women had the highest mean age at first birth, 28.4 years, and AIAN women had the lowest mean age at first birth, 21.8 years.

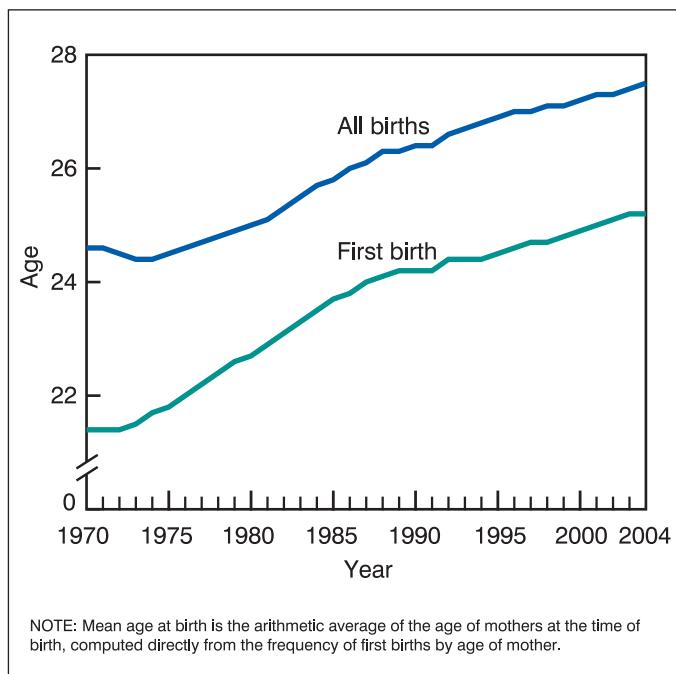


Figure 6. Mean age of mother for all births and mean age of mother at first birth: United States, 1970–2004

Total fertility rate

The **total fertility rate** (TFR) summarizes the potential impact of current fertility patterns on completed family size. The TFR estimates the number of births that a hypothetical cohort of 1,000 women would have if they experienced throughout their childbearing years the same age-specific birth rates observed in a given year. The rate can be expressed as the average number of children that would be born per woman. Because it is computed from age-specific birth rates, the TFR is age adjusted and can be readily compared with populations across time or among geographic areas.

In 2004, the TFR was 2,045.5 (or 2.05 births per woman), slightly higher than the rate in 2003 (2,042.5) ([Tables 4, 8, 14, and 15](#)). After falling substantially from 1990 (2,081.0) to 1997 (1,971.0), then rising moderately from 1997 to 2000, the TFR has fluctuated. The rise in the TFR between 2003 and 2004 is the result of increases in birth rates for women aged 30–44 years, and especially those aged 35–39 years (see previous section on “Age of mother”).

The TFRs for two of the three largest **race and Hispanic origin** groups declined between 2003 and 2004, falling by less than 1 percent for both non-Hispanic white and non-Hispanic black women; the rate for Hispanic women rose by 1 percent. Rates for Mexican and Puerto Rican women were up by 2 and 12 percent, respectively; the rates for “other” Hispanic and Cuban women were down by 3 and 16 percent, respectively. The rate for API women rose by 1 percent in 2004, whereas the rate for AIAN women was essentially unchanged.

Differences among these groups are even more apparent when their rates are compared with a “replacement” rate. A replacement rate is the rate at which a given generation can exactly replace itself, generally considered to be 2,100 births per 1,000 women. The U.S. TFR was below the replacement rate for the 33rd consecutive year in 2004. Whereas the TFRs for nearly all groups were below “replacement” in 2004, the rate was above replacement for Hispanic women overall

(2,824.5), Mexican women (3,021.0), and “other” Hispanic women (2,648.0) ([Tables 4, 8, 14, and 15](#)). State-specific TFRs for 2004 are discussed in the next section.

Births and birth rates by state

Nationally, the number of births increased by less than 1 percent between 2003 and 2004. Among the states, 12 reported significant increases in their numbers of births in 2004, whereas only 4 reported significant declines. See [Tables 11–13 for 2004 data](#).

In 2004, crude birth rates by state ranged from 10.6 births per 1,000 total population (Maine and Vermont) to 21.2 (Utah). Between 2003 and 2004 rates increased significantly only in the District of Columbia and Virginia and declined in 9 states (Colorado, Connecticut, Illinois, Maryland, Massachusetts, Michigan, New Jersey, New York, and Rhode Island). All other reporting areas were essentially unchanged.

Fertility rates per 1,000 women aged 15–44 years in 2004 ranged from a low of 52.1 in Vermont to a high of 92.3 in Utah ([Table 11](#)). Between 2003 and 2004 fertility rates increased significantly in only 4 states (California, Florida, Georgia, and Virginia) and the District of Columbia.

In 2004, TFRs, which provide a summary of lifetime fertility, increased significantly for California, Georgia, Virginia, and the District of Columbia. TFRs for all other states, like the national rate, were essentially unchanged between 2003 and 2004.

Fertility tends to be higher for states in the western half of the country. In 2004, as in previous years, the majority of western states reported TFRs significantly above the national rate, whereas the majority of eastern states reported TFRs significantly below the national rate (32). In 2004, state-specific TFRs ranged from a high of 2,544.5 (2.5 births per woman) in Utah, to a low of 1,711.0 (1.7 births per woman) in Rhode Island.

Birth rate for teenagers by state

Birth rates for teenagers vary considerably by state ([Tables 11 and B](#)). Birth rates by state for teenagers 15–19 years ranged from 18.2 per 1,000 (New Hampshire) to 62.6 (Texas) in 2004; among all reporting areas the District of Columbia reported the highest rate (66.7). Nationally, birth rates for teenagers 15–19 years fell significantly between 2003 and 2004; however, among states only New Jersey and New York reported significant declines. Birth rates were essentially unchanged for all other states and territories. Since 1991 teen birth rates have declined significantly for all reporting areas ([Table B](#)). Also see discussion of births to teenagers in the “Age of mother” section of this report.

Sex ratio

In 2004, there were 2,104,661 male and 2,007,391 female live births in the United States, or 1,048 males for every 1,000 female births ([Tables 14 and 15](#)). Similar to previous years, the sex ratio was the highest for births to API mothers (1,058), followed by births to non-Hispanic white (1,053), Hispanic (1,042), non-Hispanic black (1,038), and AIAN (1,030) mothers.

Since 1940, the overall sex ratio has ranged from 1,046 to 1,059. Annual fluctuations within this range make the identification of

**Table B. Birth rates for teenagers 15–19 years by state, 1991 and 2004, and percentage change 1991–2004:
United States and each state and territory**

[Birth rates per 1,000 estimated female population aged 15–19 years in each area]

State	1991	2004	Percent change, 1991–2004	State	1991	2004	Percent change, 1991–2004
United States ¹	61.8	41.1	-33	Nebraska.	42.4	35.9	-15
Alabama	73.6	52.4	-29	Nevada.	74.5	51.1	-31
Alaska	66.0	38.9	-41	New Hampshire.	33.1	18.2	-45
Arizona	79.7	60.1	-25	New Jersey.	41.3	24.1	-42
Arkansas	79.5	60.3	-24	New Mexico.	79.5	60.8	-24
California	73.8	39.5	-46	New York.	45.5	26.9	-41
Colorado	58.3	43.9	-25	North Carolina.	70.0	48.8	-30
Connecticut	40.1	24.4	-39	North Dakota.	35.5	27.2	-23
Delaware	60.4	43.5	-28	Ohio.	60.5	38.5	-36
District of Columbia	109.6	66.7	-39	Oklahoma.	72.1	55.6	-23
Florida	67.9	42.4	-38	Oregon.	54.8	33.3	-39
Georgia	76.0	53.4	-30	Pennsylvania.	46.7	30.5	-35
Hawaii	59.2	36.1	-39	Rhode Island.	44.7	32.9	-26
Idaho	53.9	38.6	-28	South Carolina.	72.5	52.1	-28
Illinois	64.5	40.2	-38	South Dakota.	47.6	38.5	-19
Indiana	60.4	43.5	-28	Tennessee.	74.8	52.1	-30
Iowa	42.5	31.6	-26	Texas.	78.4	62.6	-20
Kansas	55.4	40.7	-27	Utah.	48.0	34.0	-29
Kentucky	68.8	49.2	-28	Vermont.	39.2	20.9	-47
Louisiana.	76.0	56.2	-26	Virginia.	53.4	35.2	-34
Maine.	43.5	24.3	-44	Washington.	53.7	31.3	-42
Maryland.	54.1	32.4	-40	West Virginia.	58.0	43.8	-24
Massachusetts.	37.5	22.3	-41	Wisconsin.	43.7	30.2	-31
Michigan.	58.9	34.1	-42	Wyoming.	54.3	42.7	-21
Minnesota.	37.3	26.7	-28	Puerto Rico.	72.4	61.7	-15
Mississippi.	85.3	61.9	-27	Virgin Islands.	77.9	52.7	-32
Missouri.	64.4	43.4	-33	Guam.	95.7	62.6	-35
Montana.	46.8	35.8	-24	American Samoa.	---	45.8	---
				Northern Marianas.	---	39.3	---

--- Data not available.

¹Excludes data for the territories.

meaningful short-term trends difficult. However, a recent report identified a gradual decline in the sex ratio beginning in the early 1970s (33).

Month of birth

The monthly average number of births in 2004 was 342,671. The actual number of births per month ranged from 315,821 (February) to 359,426 (July) (Table 16). Historically, the number of births peaks during the summer, and is at its lowest during the winter. Following the historic pattern, observed birth rates in 2004, which take into account the different number of days in the month, were at their highest in September and lowest in December.

When compared with 2003, observed monthly birth rates in 2004 were up for only 3 months (March, June, and November), whereas observed monthly fertility rates were higher for 6 months and lower for 6 months. When seasonal variation is filtered from the monthly birth and fertility rates, an estimate of the underlying trends is obtained. In 2004, adjusted birth rates fell for all months; adjusted fertility rates fell for 4 months.

Day of the week of birth

In 2004, an average of 11,235 infants were born each day. Looking at the average number of births by specific day of the week

reveals considerable differences. As in previous years, the average number of births was highest on Tuesday (13,045), and lowest on Sunday (7,501) (Table 17).

An index of occurrence can be used to measure the variation in the daily pattern of births. The index is defined as the ratio of the average number of births per day of the week to the average number of births per day of the year with the base set at 100. In 2004, Tuesday again had the highest index at 116.1, indicating that there were 16.1 percent more births on Tuesday than on the average day. Consistent with established patterns, infants in 2004 were much less likely to be born on weekends, with indices of occurrence of 66.8 for Sunday and 75.6 for Saturday.

Patterns in the average number of births by day of the week may be influenced by the scheduling of induction of labor and cesarean delivery. For example, the index of occurrence for vaginal births excluding inductions (spontaneous vaginal births) ranged from 86.5 on Sunday to 106.6 on Tuesday (detailed data not shown). The relatively narrow range for spontaneous vaginal births contrasts sharply with that of repeat cesarean deliveries that ranged from 32.7 on Sunday to 130.5 on Tuesday (Table 17). Also see section on "Method of delivery."

Births to unmarried women

All measures of childbearing by unmarried women increased substantially in 2004, the largest increases in a decade (1993–94).

The **birth rate for unmarried women** increased 3 percent in 2004, to 46.1 births per 1,000 unmarried women aged 15–44 years. The 2004 rate essentially matched the previous high point for this measure, 46.2 in 1994. The rate indicates the risk that an unmarried woman will give birth. During the years 1995–2002, the rate changed little, ranging from 42.9 to 44.3 (Figure 7 and Tables C, 18, and 19). Largely, as a result of the rising birth rate, the **number of births to unmarried women** climbed 4 percent in 2004, to 1,470,189, the highest number ever in the more than six decades for which national statistics are available (34). The number rose 9 percent from 2000 to 2004, following on smaller yet steady increases through the mid- to late 1990s that resulted principally from increases in the number of unmarried women in the reproductive ages (35–37). The recent increase since 2002 reflects in small part population growth (up about 2 percent), but mostly it reflects the increase in the birth rate.

In 2004, **35.8 percent of all births were to unmarried women**. This percentage has risen steadily since the late 1990s, following several years of essentially no change (Table C). About 43 percent of first births in 2004 were to unmarried women (tabular data not shown). Data from the 2002 National Survey of Family Growth, conducted by CDC's NCHS show that 40 percent of recent nonmarital births were to cohabiting women (29).

Since 1998, all states except Michigan and New York report mother's marital status on the birth certificate through a direct question in the birth registration process. Michigan and New York infer the mother's marital status on the basis of other information on the birth certificate; see "Technical Notes" for detailed information.

Table C. Number, rate, and percentage of births to unmarried women, and birth rate for married women: United States, 1980 and 1985–2004

Year	Births to unmarried women			Birth rate for married women ³
	Number	Rate ¹	Percent ²	
2004	1,470,189	46.1	35.8	87.6
2003	1,415,995	44.9	34.6	88.1
2002	1,365,966	43.7	34.0	86.3
2001	1,349,249	43.8	33.5	86.7
2000	1,347,043	44.1	33.2	87.4
1999	1,308,560	43.3	33.0	84.8
1998	1,293,567	43.3	32.8	84.2
1997	1,257,444	42.9	32.4	82.7
1996	1,260,306	43.8	32.4	82.3
1995	1,253,976	44.3	32.2	82.6
1994	1,289,592	46.2	32.6	82.9
1993	1,240,172	44.8	31.0	86.1
1992	1,224,876	44.9	30.1	88.5
1991	1,213,769	45.0	29.5	89.6
1990	1,165,384	43.8	28.0	93.2
1989	1,094,169	41.6	27.1	91.9
1988	1,005,299	38.5	25.7	90.8
1987	933,013	36.0	24.5	90.0
1986	878,477	34.2	23.4	90.7
1985	828,174	32.8	22.0	93.3
1980	665,747	29.4	18.4	97.0

¹Births to unmarried women per 1,000 unmarried women aged 15–44 years.

²Percent of all births to unmarried women.

³Births to married women per 1,000 married women aged 15–44 years.

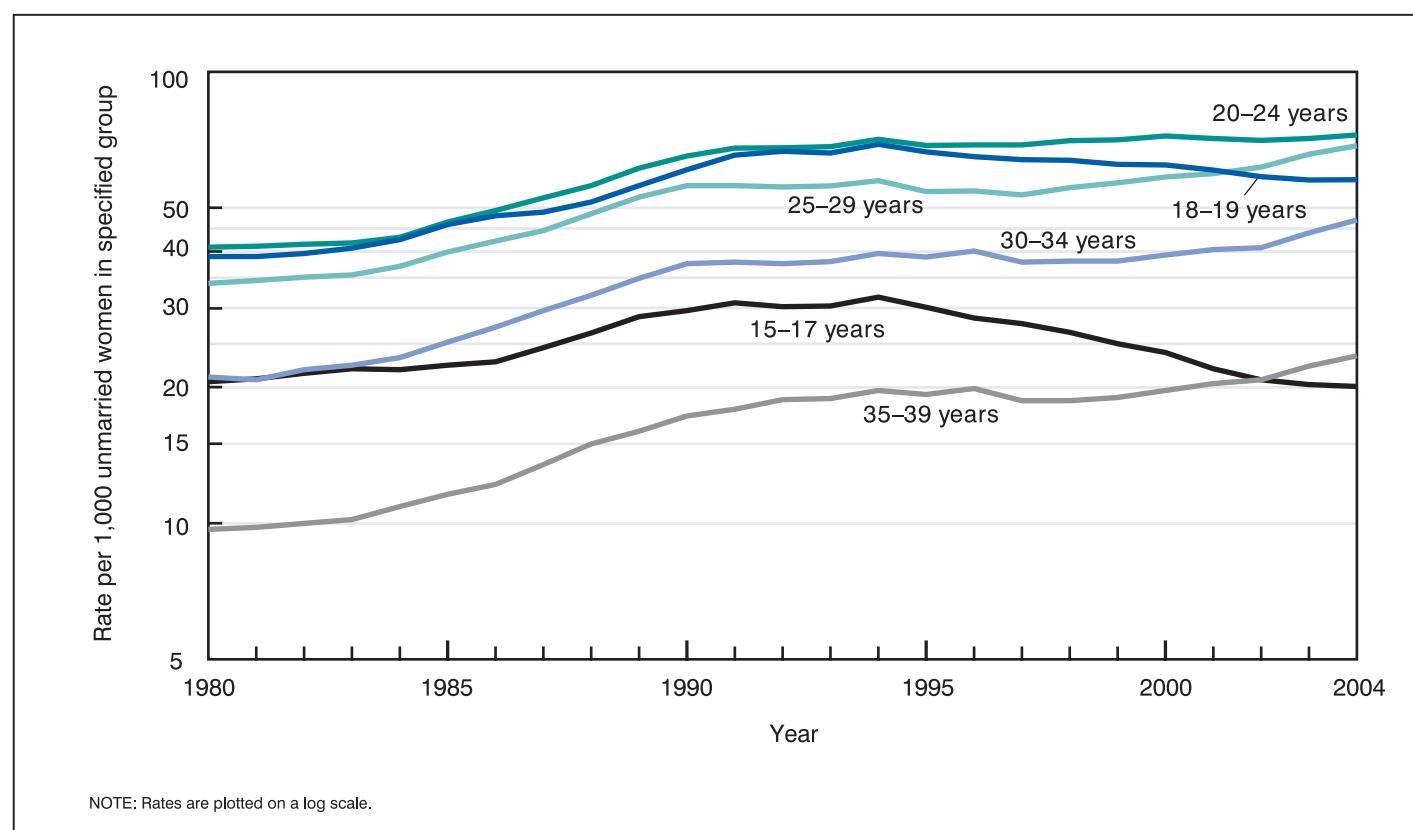


Figure 7. Birth rates for unmarried women, by age of mother: United States, 1980–2004

Birth rates for unmarried women by age continue to be highest for women in their twenties ([Tables 18 and 19](#)). In 2004, the rates were 72.5 per 1,000 for women aged 20–24 years and 68.6 for women aged 25–29 years. The next highest rate was for older unmarried teenagers, 18–19 years, 57.7. Rates for other age groups are considerably lower.

The overall increase in the nonmarital birth rate from 2003 to 2004 entirely reflects increases in rates for women aged 20 years and over; these increases have been ongoing since the mid-1970s. In contrast, the birth rate for unmarried teenagers 15–19 years continued to fall, albeit very slightly, in 2004. The rate for young teenagers 15–17 years declined, whereas the rate for older teenagers was essentially stable. Overall, the birth rate for unmarried teenagers has dropped 24 percent since the 1994 peak. During the decade 1994–2004, the decline in the rate for younger teenagers was more than double that for older teenagers, 37 percent compared with 16 percent. The contrasting trends between teenagers and adult women have been observed since the mid-1990s, and they have led to changes in the distribution of nonmarital births by age. Over the decade 1994–2004, the proportion of nonmarital births to teenagers dropped from 31 to 24 percent, whereas the proportion to women in their twenties rose from 53 to 59 percent ([34](#)).

Rates for unmarried women vary widely by race and ethnicity, mirroring the fertility differentials for all women described above. In 2004, the nonmarital rate for Hispanic women was highest, at 95.7 per 1,000, followed by black women, 67.2, non-Hispanic white women, 29.4, and API women, 23.6. These variations have changed little in recent years. Birth rates increased for all groups, by 1 percent for black women, 3 to 4 percent for Hispanic and non-Hispanic white women, and 6 percent for API women ([Table 19](#)).

Differences in nonmarital childbearing among race and ethnicity groups are reflected in contrasting patterns within groups by maternal age. Birth rates for unmarried black and Hispanic teenagers are relatively similar, but at ages 20 years and over, the rates quickly diverge. In age groups 30–34 years and over, the rates for unmarried Hispanic women are about double the rates for unmarried black women. Among age groups under 20 years, API women have the lowest rates, whereas at aged 30 years and over, rates are lowest for non-Hispanic white women.

Among teenage population subgroups, nonmarital birth rates have generally fallen since 1994, although rates for black teenagers have been declining since 1991. The rate for young black teenagers has declined more than one-half since 1991. Rates for other groups have fallen as well, but the declines slowed or reversed slightly for some groups in 2004.

The proportion of all births that are to unmarried women increased for all population groups in 2004. The proportions in 2004 were 15.5 percent for API women, 24.5 percent for non-Hispanic white women, 46.4 percent for Hispanic women, 62.3 percent for AIAN women, and 69.3 percent for non-Hispanic black women.

Numbers and proportions of births to unmarried women by race and Hispanic origin and by state are shown in [Table 20](#). Numbers increased in every area with the exception of Wyoming and Northern Marianas; each reported very small declines. The increases amounted to 6 percent or more in 11 areas and Guam. Proportions rose in 36 states, the District of Columbia, and Puerto Rico; and were essentially unchanged in all other areas.

Age of father

The birth rate per 1,000 men aged 15–54 years was 48.8 in 2004, slightly lower than the rate in 2003 (48.9), but higher than the all-time low of 48.4 reported in 2002 ([Table 21](#)). The birth rate for males aged 15–19 years was 17.0 in 2004, essentially unchanged from the all-time low of 16.9 in 2003. Between 2003 and 2004 rates declined for men in their twenties, but increased for men aged 30–49 years. Rates for men aged 50 years and over were essentially unchanged.

Information on age of father is often missing on birth certificates of children born to women less than 25 years of age and to unmarried women. In 2004, age of father was not reported for 14 percent of all births, 24 percent of births to all women less than 25 years of age, and 36 percent of all nonmarital births. In computing birth rates by age of father, births where age of father is not stated were distributed in the same proportion as births where age of father is stated within each 5-year age interval of mother. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded. The procedures for computing birth rates by age of father are described in more detail in the “[Technical Notes](#).”

Educational attainment

Information on educational attainment is reported on both the 2003 Standard Certificate of Live Birth (revised) and 1989 Standard Certificate of Live Birth (unrevised). However, the format of the education item on the revised standard certificate substantively differs from that of the unrevised standard certificate (see “[Technical Notes](#)”). The 1989 certificate item asks for the highest grade completed at the time of the birth; the 2003 certificate item asks for the highest degree or level of school completed at the time of the birth (e.g., high school diploma, bachelor degree, etc.). Accordingly, education data for the states that have implemented the revised certificates are not directly comparable with the data for the states that are not yet using the revised certificate. For 2004, unrevised data are available for 41 states, New York City, and the District of Columbia (80 percent of all 2004 births). Revised data are available for all of 2004 for seven states (Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington), representing 14 percent of all births.

For the 41-state reporting area described above, 77.8 percent of women who gave birth in 2004 completed at least 12 or more years of school, slightly lower than the percentage for these 41 states in 2003 (77.9) ([Table D](#)). The percentage of women who completed 16 or more years of school in 2004 was 26.9, 1 percent more than the percentage for these 41 states in 2003 (26.7). The educational attainment of women giving birth has increased substantially over the last few decades. This trend in part reflects increases in educational attainment of all women during this time ([38](#)).

For the seven revised states for which data are available for all of 2004, 81.0 percent of women who gave birth had at least a high school diploma or higher and 26.4 percent had a Bachelor's degree or higher in 2004 ([Table D](#)).

Table D. Years of schooling and degrees achieved, by age and race and Hispanic origin of mother: 41 states, the District of Columbia, and New York City (unrevised) and 7 states (revised), 2004

Age and race and Hispanic origin of mother	Unrevised ¹		Revised ²		Unrevised ¹		Revised ²	
	2004 ³		2003 ³		2004 ⁴		2003 ³	
	12 years or more years of school		High school diploma (GED) or higher		16 years or more years of school		Bachelor's degree or higher	
All races and origins ⁵	77.8	77.9	81.0		26.9	26.7	26.4	
Under 15 years	*	*	*		*	*	*	
15–19 years	41.6	40.6	40.4		*	*	*	
20–24 years	72.2	72.0	73.9		6.1	5.9	4.6	
25–29 years	82.7	83.0	86.7		28.8	28.6	27.9	
30–34 years	88.1	88.7	92.0		46.4	46.2	45.9	
35–39 years	89.0	89.2	92.8		48.8	47.8	47.8	
40 years and over	87.7	87.8	90.8		46.2	45.7	43.4	
Non-Hispanic white	89.0	89.0	87.0		37.0	36.4	31.0	
Under 15 years	*	*	*		*	*	*	
15–19 years	48.6	47.6	45.1		*	*	*	
20–24 years	81.5	81.3	79.2		8.4	8.1	5.3	
25–29 years	93.5	93.7	92.0		38.2	37.5	31.9	
30–34 years	97.0	97.0	95.9		57.0	56.2	50.2	
35–39 years	97.4	97.3	96.2		59.3	57.8	51.9	
40 years and over	96.7	96.5	94.5		56.4	55.4	47.4	
Non-Hispanic black	76.6	76.5	73.0		13.8	13.9	10.1	
Under 15 years	*	*	*		*	*	*	
15–19 years	44.2	42.8	39.2		*	*	*	
20–24 years	77.2	77.0	74.4		4.6	4.6	3.3	
25–29 years	85.1	85.7	83.5		17.5	17.9	13.3	
30–34 years	90.1	90.3	87.4		30.0	29.9	23.1	
35–39 years	90.6	90.5	88.9		32.5	31.8	26.1	
40 years and over	89.9	89.6	84.9		32.2	32.0	24.4	
Hispanic ⁶	51.6	51.3	47.8		8.0	7.8	7.5	
Under 15 years	*	*	*		*	*	*	
15–19 years	31.7	30.5	24.8		*	*	*	
20–24 years	52.9	52.2	46.2		2.5	2.4	1.4	
25–29 years	55.2	55.2	52.1		9.5	9.4	8.2	
30–34 years	57.3	58.0	56.8		15.8	15.9	16.7	
35–39 years	57.7	57.8	61.3		17.3	16.8	20.4	
40 years and over	53.8	53.8	56.9		16.5	16.3	18.3	

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

¹Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

²Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

³Excludes data from Florida, Idaho, Kentucky, New Hampshire, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington.

⁴Includes data from Idaho, Kentucky, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington.

⁵Includes races other than white and black and origin not stated.

⁶Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

For the 41-state reporting area variations in educational attainment are seen among the largest **racial and Hispanic origin groups**, for 2004 as in previous years. In 2004, 89.0 percent of non-Hispanic white and 76.6 percent of non-Hispanic black mothers completed at least 12 years of school, essentially unchanged from 2003. The percentage of Hispanic mothers who completed high school increased to 51.6 percent in 2004, but was nonetheless much lower than the percentages for non-Hispanic white and non-Hispanic black women. The levels of advanced educational attainment (at least 16 years of school) for women giving birth in 2004 were 37.0 percent for non-Hispanic white, 13.8 for non-Hispanic black, and 8.0 for Hispanic mothers. The

percentages for non-Hispanic white and Hispanic mothers in 2004 were significantly higher than in 2003; the percentage for non-Hispanic black mothers was essentially unchanged.

Maternal education has long been considered an important factor in fertility and maternal and infant health. The educational attainment of women has been shown to have a profound effect on the number of births and the risk of adverse birth outcome. Women with higher educational attainment are more likely to desire and give birth to fewer children, and are less likely to engage in behaviors detrimental to health and pregnancy (29,39,40).

Maternal Lifestyle and Health Characteristics

Weight gain in pregnancy

Excessive and insufficient maternal weight gain during pregnancy can negatively influence pregnancy outcome. Inadequate weight gain has been associated with an increased risk of intrauterine growth retardation, shortened gestational age, low birthweight, and perinatal mortality (41,42). High weight gain during pregnancy has been linked with an elevated risk of a large-for-gestational-age infant, cesarean delivery, and long-term maternal weight retention (43). The body mass index (BMI) is an indirect measure of body fat (44). The Institute of Medicine (IOM) recommended the following weight gains for singleton pregnancy based on the mother's pre-pregnancy BMI (45). However, the IOM recommends that weight gain goals be tailored to the individual's needs.

Pre-pregnancy category	BMI range	Recommended gain
Low	Less than 19.8	28–40 pounds
Normal	19.8–26.0	25–35 pounds
High	26.0–29.0	15–25 pounds

Recommendations for obese women (a BMI of at least 29) are currently under discussion (43).

In 2004, 13.0 percent of women who gave birth gained less than 16 pounds, considered inadequate for most women (45); 20.0 percent had weight gains of more than 40 pounds, considered excessive for most women (Table 22). Thus, approximately one-third of mothers had gains outside of the guidelines (based on weight alone). Studies show that the majority of American women have pregnancy weight gains outside their BMI-based recommendations (43).

The distribution of reported weight gain has changed markedly between 1990 and 2004. For the mothers of *at least full term, singleton* births, the percentage of mothers who gained less than 16 pounds increased by 48 percent (from 8.3 to 12.2), and those who gained over 40 pounds, by 25 percent (from 16.1 to 20.1 percent) (data not shown).

Weight gained during pregnancy differs widely by racial or ethnic group. For 2004, non-Hispanic white women and Asian or Pacific Islander (API) women have relatively low proportions of women with weight gains of less than 16 pounds (10.7 and 10.1 percent, respectively), whereas non-Hispanic black women and American Indian or Alaska Native (AIAN) women have higher proportions of women with inadequate weight gains (19.0 and 17.5 percent, respectively) (Tables 23, 24). Non-Hispanic white women were the most likely to gain more than 40 pounds (22.2 percent), compared with the least likely, those of API origin (14.2 percent) (data not shown).

Moderate maternal weight gain (between 16 and 40 pounds) and healthy birthweight are positively correlated, as demonstrated in 2004 by a general decline in the percentage of low birthweight (LBW) infants as maternal weight gain increases (from 13.9 percent for weight gains of less than 16 pounds, to 5.8 percent for gains of 36–40 pounds) (data not shown).

Risk factors in this pregnancy

During pregnancy, medical risk factors can contribute to serious complications and maternal and infant morbidity and mortality,

particularly if not treated properly (46–48). Sixteen risk factors that can affect pregnancy outcome are separately identified on the 1989 Certificate of Live Birth used by 41 states and the District of Columbia in 2004; 10 such factors are identified on the 2003 revised certificate and were reported by 7 states for 2004. Shown in Table 25, and discussed here, are the four risk factors comparable across revisions, and for which national data are available.

In 2004, two pregnancy risk factors, **pregnancy-associated hypertension** and **diabetes** during pregnancy, occurred among 4 percent of mothers (37.9 and 35.8 per 1,000 births, respectively) (Table 25). These risk factors have had the highest prevalence since these data became available from birth certificates. After steadily rising during the 1990s, the level of pregnancy-associated hypertension peaked in 2000 and since then has essentially not changed. Reported diabetes prevalence rose by more than two-thirds in the years 1990–2004 (from 21.3 to 35.8 per 1,000 live births). Pregnancy-associated hypertension and chronic hypertension are closely related hypertensive disorders, but the latter is a rarer condition. The prevalence of **chronic hypertension** has increased by almost one-half since 1990 (6.5 in 1990, 9.6 in 2004).

The risk of having a medical condition often differs by maternal age (Table 25.). Older mothers are much more prone to chronic conditions such as diabetes. The 2004 level was 80.9 per 1,000 for mothers 40 years of age and over, compared with 11.2 for mothers under age 20 years. The age-specific diabetes levels from birth certificate data are comparable to those obtained from recent National Health Interview Surveys (49). Figure 8 shows sharp increases in diabetes levels for each age group between 1990 and 2004 (50).

Rates for chronic hypertension are more than seven times higher for mothers aged 40 years and over than for those under 20 years of age (26.7 compared with 3.5 per 1,000). However, rates for pregnancy-related hypertension tend to be highest for both the oldest and youngest mothers.

The risk factors during pregnancy can also vary greatly by maternal race and ethnicity (Tables 23–25). In 2004, diabetes rates among API women were higher than those for the other major racial or ethnic groups (5.8 compared with 3.4 percent for non-Hispanic black women).

Tobacco use during pregnancy

Information on **smoking during pregnancy** was reported according to two distinct questions in 2004. For 40 states, New York City, and the District of Columbia, smoking status was based on the 1989 U.S. Standard Certificate (unrevised), whereas data for 7 states are drawn from the 2003 revision of the birth certificate (revised). The questions on the two versions of the birth certificate are not comparable. Briefly stated, the 1989 revision asks a simple "yes/no" question on tobacco use during pregnancy. In contrast, the 2003 revision asks for tobacco use during each trimester of pregnancy (as well as the 3-month period prior to pregnancy). For the purposes of this report, data are shown separately for the areas using the unrevised certificate and for the areas using the revised certificate. For the 7 revised states, if the mother reported smoking in any of the 3 trimesters of pregnancy she was recorded as a smoker. Data are not included in this report for Florida and New Hampshire, which revised their certificates in 2004, but after January 1, or for California, which did not report tobacco use in 2004.

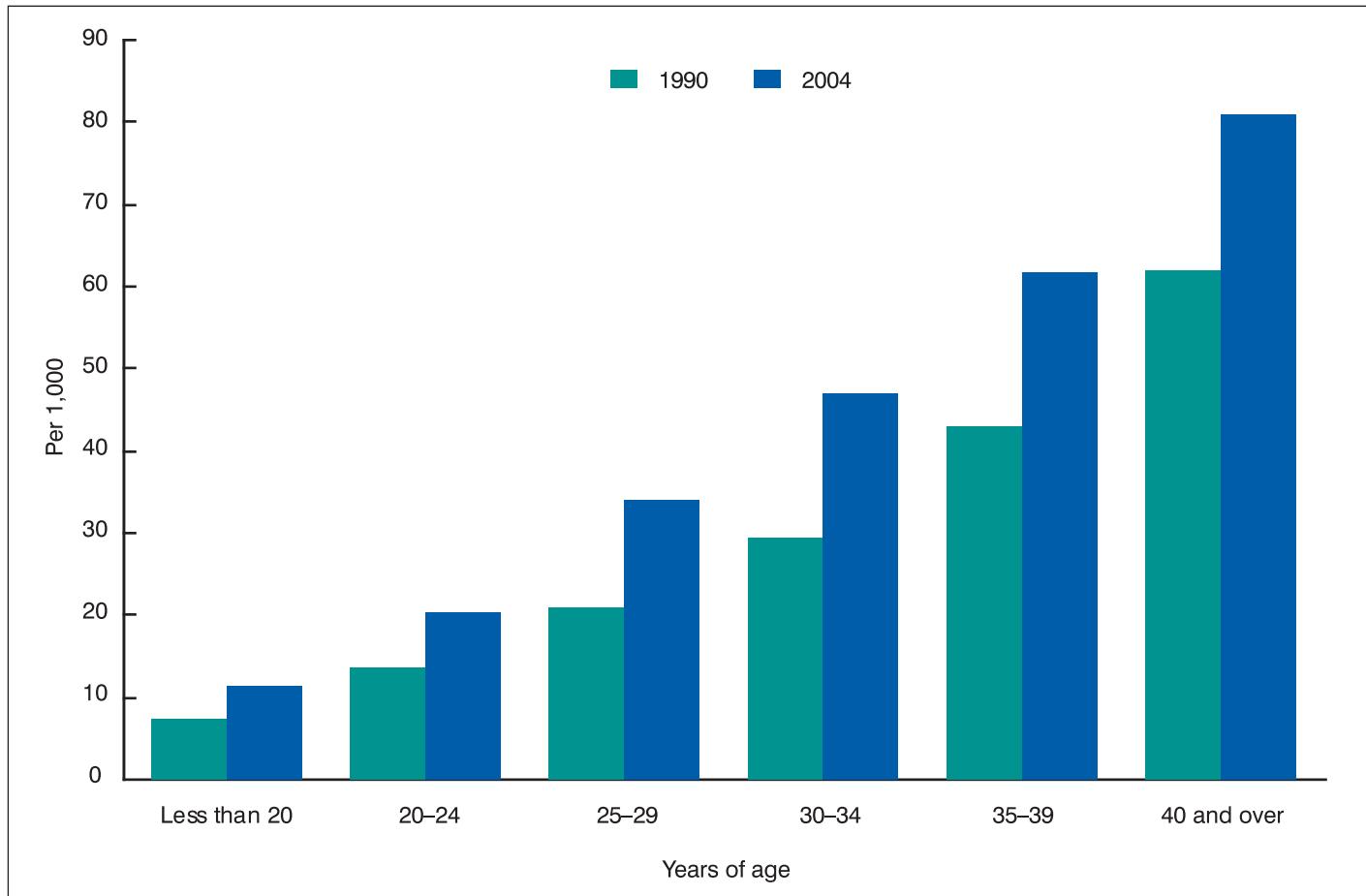


Figure 8. Diabetes rates by age of mother: United States, 1990 and 2004

Smoking during pregnancy declined slightly to 10.2 percent of women giving birth in 2004, compared with 10.4 percent for the same group of 40 reporting areas, the District of Columbia, and New York City (**Table E**). These areas accounted for 67 percent of U.S. births in 2004. Differences among population subgroups were essentially unchanged from previous years. The smoking rate was highest for AIAN women, at 18.2 percent, followed by non-Hispanic white women, 13.8 percent, and non-Hispanic black women, 8.4 percent. Rates for Hispanic (2.6 percent) and API women (2.2 percent) were substantially lower.

For the seven revised areas for which revised data on tobacco use are available for all of 2004, the overall smoking rate was 16.3 percent. As noted above, the revised question on smoking differs considerably from the question on the 1989 certificate, and it is expected that the revised question will elicit higher rates of smoking during pregnancy. Moreover, the seven revised states individually have traditionally reported higher smoking rates than other states (51). Despite these differences in smoking levels between the two sets of reporting areas, the variations among population subgroups by race and Hispanic origin persist for the revised states (**Table E**).

Studies based on the unrevised smoking question have suggested some underreporting of smoking on the birth certificate, although the trends and variations in smoking among population subgroups have been confirmed by surveillance and survey data (29,52). Some of the underreporting no doubt reflected the lack of a specific time reference, that is, when during pregnancy the mother smoked. It is believed that the new question on prenatal smoking is providing higher quality, more

reliable information in part because there is a specific time reference (each trimester) and women are afforded the chance to report that their smoking behavior has changed (53–55).

Over the 15-year period for which smoking status has been reported on U.S. birth certificates, the relationship between smoking status and educational attainment has been consistent. Regardless of whether the comparisons are based on the unrevised or revised smoking question, smoking rates are highest for women who have attended but not graduated from high school and lowest for college-educated women. In 2004, based on information from the seven revised states, 33 percent of women who attended but did not complete high school were smokers compared with 2 percent of college graduates (**Table F**). Women with a grammar school education have relatively low smoking rates, about 10 percent in 2004.

The concern about smoking during pregnancy has been long-standing and is linked to adverse pregnancy outcomes, including low birthweight (LBW), intrauterine growth retardation, miscarriage, and infant mortality, as well as negative consequences for child health and development (56). These adverse consequences in turn are associated with substantial economic and social costs (57). Over the period for which the information has been reported on birth certificates and in national surveys, the negative relationship between smoking and LBW has been replicated repeatedly (58,59). Babies born to women who smoke are at substantially greater risk of LBW than babies born to nonsmokers. The revised smoking question corroborates this pattern for 2004 births. In the seven states with the revised question, 11.9

Table E. Trimester of pregnancy prenatal care began and smoking status during pregnancy, by race and Hispanic origin of mother: 41 states, the District of Columbia, and New York City (unrevised) and 7 states (revised), 2004

Characteristic and race and Hispanic origin of mother	Unrevised ¹ 2004 ³	2003 ³	Revised ² 2004 ⁴
All races and origins⁵			
Prenatal care beginning in the 1st trimester	83.9	84.0	72.9
Prenatal care beginning in 3rd trimester or no care	3.6	3.6	6.2
Smoker.	10.2	10.4	16.3
Non-Hispanic white			
Prenatal care beginning in the 1st trimester	88.9	89.1	78.0
Prenatal care beginning in 3rd trimester or no care	2.2	2.1	4.5
Smoker.	13.8	13.8	19.0
Non-Hispanic black			
Prenatal care beginning in the 1st trimester	76.5	76.2	58.9
Prenatal care beginning in 3rd trimester or no care	5.7	5.9	11.4
Smoker.	8.4	8.4	13.0
American Indian total^{6,7}			
Prenatal care beginning in the 1st trimester	69.9	70.6	58.7
Prenatal care beginning in 3rd trimester or no care	7.9	7.7	11.2
Smoker.	18.2	18.2	21.2
Asian or Pacific Islander total⁷			
Prenatal care beginning in the 1st trimester	85.6	85.4	69.1
Prenatal care beginning in 3rd trimester or no care	3.0	3.1	6.8
Smoker.	2.2	2.2	2.9
Hispanic⁸			
Prenatal care beginning in the 1st trimester	77.5	77.3	56.5
Prenatal care beginning in 3rd trimester or no care	5.4	5.3	11.0
Smoker.	2.6	2.7	5.7

¹Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

²Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

³Excludes data from Florida, Idaho, Kentucky, New Hampshire, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington. Information on smoking status excludes data for California.

⁴Includes data from Idaho, Kentucky, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington.

⁵Includes origin not stated.

⁶Includes births to Aleuts and Eskimos.

⁷Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."

⁸Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

percent of babies born to smokers were LBW compared with 7.2 percent of babies born to nonsmokers. This variation was observed for population subgroups as well (Table F).

Medical Services Utilization

Prenatal care

This report includes data on the timing of prenatal care based on both the 1989 (unrevised) and the 2003 Revisions to the U.S. Standard Certificate of Live Birth (revised). The 2003 revision of the birth certificate introduced substantive changes in item wording and also to the sources of prenatal information; see "Technical Notes." Accordingly, prenatal care data for the two revisions are not directly comparable, and are shown separately. For 2004, unrevised data are available for 41 states, New York City, and the District of Columbia. Revised data are available for seven states (New York state excluding New York City); see Tables E, 26(a), and 26(b).

Timely initiation of prenatal care does not appear to have improved in the United States in 2004. For the 41-state reporting area for which comparable data are available, 83.9 percent of mothers were reported to have begun care within the first 3 months of pregnancy, a level not significantly different from that reported for the same reporting area for 2003 (84.0 percent); see Table E. No change was observed in the percentage of women receiving late (care beginning in the 3rd trimester of pregnancy) or no care for 2003–04 (3.6 percent). Prenatal care utilization had improved modestly, but quite steadily from 1990 to 2003 (4). Appropriate prenatal care, that is, care provided by a health professional to pregnant women, can enhance pregnancy outcome by assessing risk, providing health care advice, and managing chronic and pregnancy-related health conditions (60–63). Preconception care, that is, care which promotes the health of women of reproductive age *before* conception, is also recommended (64). Information on preconception care is not available from birth certificate data.

The percentage of women beginning care in the first trimester of pregnancy was essentially unchanged among the largest **racial and Hispanic origin groups** in the 41-state reporting area between 2003 and 2004; see Table E. Sizable gains in prenatal care utilization had been observed for 1990–2003 among non-Hispanic black, Hispanic, and AIAN women (4). These gains may be linked in part to the expansion of Medicaid for pregnant women in the late 1980s (65,66). Despite improvements in recent years among groups with lower levels of care, large disparities persist. In 2004, non-Hispanic white and API women were more than 10 percent more likely to receive timely care than non-Hispanic black and Hispanic women.

Among the states for which comparable data are available for 2003–04, no clear pattern was observed in changes in prenatal care utilization. See Tables 26(a) and 26(b) for 2004 data.

The Adequacy of Prenatal Care Utilization (APNCU) Index is an alternative measure of prenatal care timing that takes into account the number of prenatal care visits and gestational age of the newborn at delivery (67,68). The APNCU shows a small increase in the proportion of women receiving less than adequate care for 2003–04; see Table G.

For the seven revised states for which data are available for all of 2004, 72.9 percent of women were reported to have begun care in the first 3 months of pregnancy; 6.2 percent of mothers were reported to have late or no prenatal care (Table 26(a)). As noted above, the revised prenatal care item is substantively different from the unrevised question. As one result, levels of prenatal care utilization based on revised data are substantially lower than those based on unrevised data. For example, unrevised 2003 data for Kentucky indicate that 87.0 of residents began care in the first trimester of pregnancy in 2003. This

Table F. Smoking during pregnancy according to educational attainment of mother, and percentage low birthweight by smoking status, by race and Hispanic origin of mother: Total of 7 states (revised), 2004

[Low birthweight is defined as weight of less than 2,500 grams (5lb 8 oz)]

Education of mother	Percent smokers	Race and Hispanic origin of mother	Percent low birthweight by smoking status	
			Yes	No
Total	16.3	All races and origins ¹	11.9	7.2
Grammar school	10.4	Non-Hispanic white	11.0	6.2
Some high school	33.2	Non-Hispanic black	19.0	12.9
High school diploma, GED	24.9	American Indian total ^{2,3}	7.9	7.4
Some college	13.6	Asian or Pacific Islander total ³	9.8	7.1
College graduate	2.1	Hispanic ⁴	12.5	6.6

¹Includes origin not stated.²Includes births to Aleuts and Eskimos.³Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Data are based on the 2003 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth. Includes data for Idaho, Kentucky, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which implemented the 2003 revision of the birth certificate. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table G. Percentage of births by adequacy of prenatal care utilization index: 41 states, the District of Columbia, and New York City (unrevised), 2003 and 2004

	2004	2003
Intensive use	32.6	32.6
Adequate.	42.6	42.8
Intermediate	13.7	13.6
Inadequate.	11.2	11.1

NOTES: Data are based on the 1989 Revision of the U.S. Certificate of Live Birth; these data are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth. Excludes data for Idaho, Florida, Kentucky, New Hampshire, New York state (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington; see "Technical Notes."

compares with a level of 74.5 percent based on 2004 revised data. Much, if not all of the difference between 2003 and 2004 for Kentucky and other revised states is related to changes in reporting and *not* to changes in prenatal care utilization.

Obstetric procedures

In this report, data are presented for the two obstetric procedures reported on both the revised and unrevised U.S. Standard Certificates of Live Birth; see "Technical Notes."

The rate of induction of labor increased for 2003–04 from 20.6 to 21.2 percent. This rate has increased more than two-fold since 1990 (9.5 percent) (Tables 25 and H). The rate of induction had generally risen steadily every year 1989–2000 for all gestational ages, including preterm deliveries (less than 37 completed weeks of gestation). Since 2000, rates have fluctuated somewhat for very preterm (less than 32 weeks) and moderately preterm infants (32–36 weeks); rates for 2004 were 7.5 and 15.0, respectively. Induction rates for births at 37 weeks and over generally continued to rise, reaching 22.4 percent for 2004 (Figure 9; data not shown).

Induction levels more than doubled for each racial and ethnic group between 1990 and 2004 (Table 25 for 2004 data); rates among

groups continue to vary widely (Table H). For example, the rate for non-Hispanic white women (25.4 percent) was notably higher than that for Hispanic (14.3) and API women (14.4). For Hispanic subgroups, rates ranged from 13.3 percent among Mexican, to 20.6 percent for Cuban mothers (data not shown).

It has been suggested that increasing induction rates may be related, in part, to an increase in elective inductions (inductions with no medical or obstetric indication). In a study of variation in induction rates among hospitals and clinicians, 25 percent of inductions had no apparent medical indication (69). Induction (whether for a medical indication or elective) may increase the risk of cesarean delivery in nulliparous women (70,71).

The rate for tocolysis, the use of agents that hinder or delay uterine activity for the management of preterm labor, was 2.0 percent for 2004, compared with 2.1 percent for 2001–03. The rate of tocolysis has fluctuated only slightly since 1996. Discussion is ongoing regarding the safety, efficacy, and appropriate use of these agents (72).

Characteristics of labor and delivery

The report includes national data for the three characteristics of labor and delivery that are comparable across the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth.

Moderate or heavy **meconium** staining occurred in about 5 percent of all deliveries in 2004. The presence of meconium during labor and delivery can directly alter the amniotic fluid, reduce antibacterial activity (and subsequently increase the risk of perinatal bacterial infection), and damage the infant's lungs if inhaled (47). Depending on the severity of the condition, other complications of labor and delivery reported on the birth certificate may require medical interventions and can also affect the health of the infant. The two other complications of labor and delivery reported in common on the 1989 revision and the 2003 revision of the birth certificate occur less frequently: **breech/malpresentation** (4.2 percent of live births) and **precipitous labor** (1.9 percent) (Table 25).

Rates for breech/malpresentation and for precipitous labor rise steadily with age. The 2004 rate of breech/malpresentation for mothers

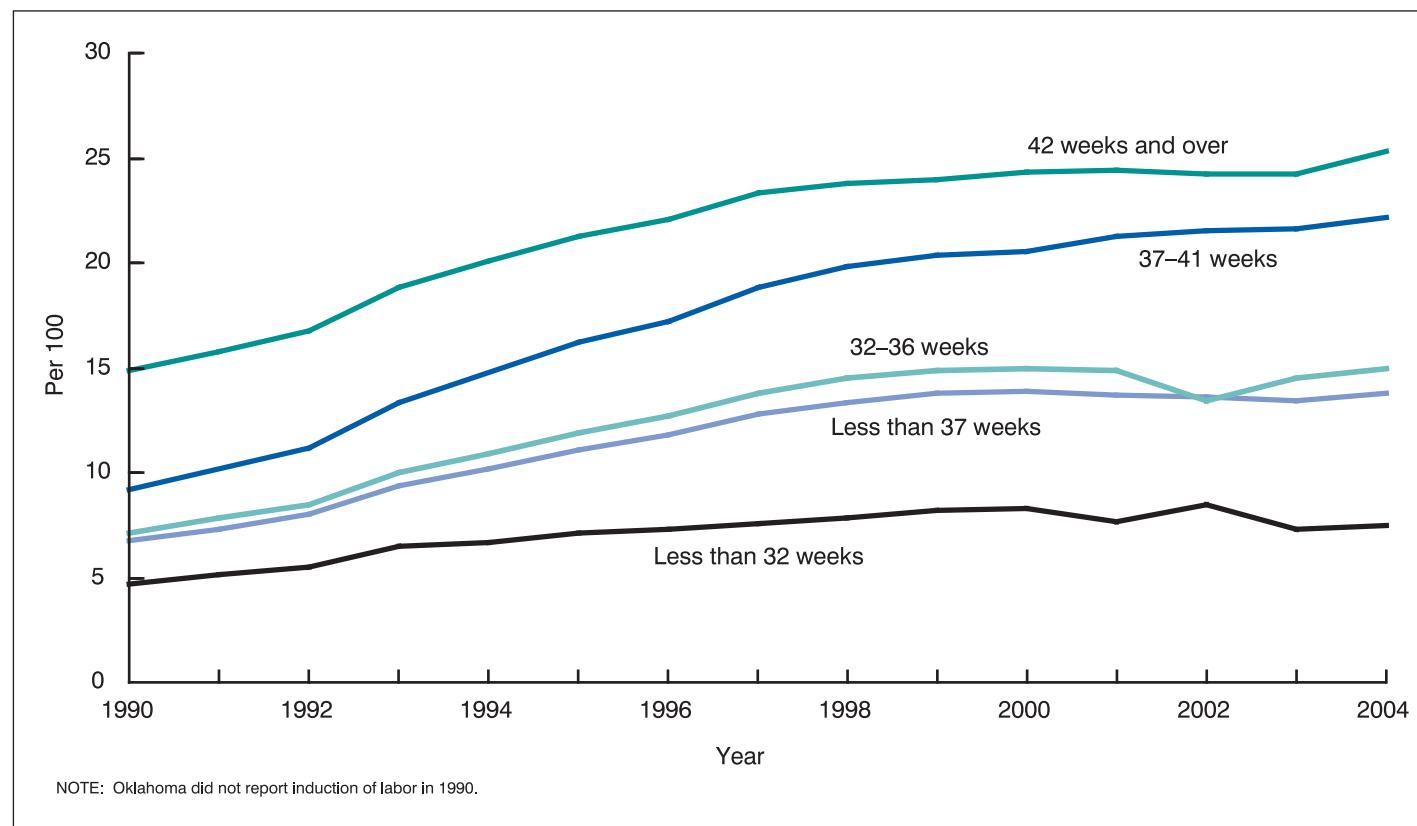
Table H. Rate of induction of labor by race and Hispanic origin of mother: United States, 1990, 1995, 2000, 2003, and 2004 and percentage change, 1990–2004

[Rates are number of live births with induction per 100 live births in specified group]

Race and Hispanic origin of mother	2004	2003	2000	1995	1990	Percent change, 1990–2004
All races and origins ¹	21.2	20.6	19.9	16.0	9.5	123
Non-Hispanic white	25.4	24.7	23.6	18.9	11.3	125
Non-Hispanic black	18.6	17.5	16.5	11.7	6.7	178
American Indian total ^{2,3}	20.1	19.9	20.1	15.6	9.4	114
Asian or Pacific Islander total ³	14.4	14.0	13.3	10.8	5.9	144
Hispanic ⁴	14.3	13.6	13.2	10.2	5.6	155

¹Includes origin not stated.²Includes births to Aleuts and Eskimos.³Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

**Figure 9. Rates of induction of labor by gestational age: United States, 1990–2004**

aged 40 years and over (65.3 per 1,000 live births) is more than double that for mothers under age 20 years (29.5 per 1,000). Older mothers are also much more likely to experience precipitous labor (22.0 versus 13.0 complications per 1,000 live births) (Table 25). Rates of labor and delivery characteristics vary also by race and ethnicity (Table 25). For example, non-Hispanic black mothers had the highest rate of meconium staining (63.5 per 1,000 live births), Hispanic mothers had an intermediate rate (53.0), and non-Hispanic white mothers the lowest—at 42.5 per 1,000. The rate was fairly constant across age groups for each racial and ethnic group.

Attendant at birth and place of delivery

The percentage of all births delivered by physicians in hospitals was 91.5 percent for 2004, unchanged from 2003 (Table 27). This level has increased only slightly from 2001–02 (91.3 percent). In 2004, as in previous years, almost all doctor-attended births were attended by doctors of medicine (M.D.s). The percentage of physician-attended births attended by doctors of osteopathy (D.O.s) was 4.9 percent, a slight increase from 2002 and 2003 (4.8). This

rate has increased fairly steadily from 2.8 percent reported in 1989 (the first year data on D.O.s were available from the birth certificate).

The percentage of *all* births attended by midwives, which had increased steadily between 1975 and 2002 (from less than 1.0 to 8.1 percent), declined slightly between 2003 (8.0 percent) and 2004 (7.9 percent). Because cesarean deliveries are almost exclusively performed by physicians, the percentage of all *vaginal* births attended by midwives was calculated. This rate has steadily increased each year since 1991 (the first year that method of delivery was reported on birth certificates by all states and the District of Columbia). In 2004, midwives attended 11.1 percent of vaginal births, almost double the 1991 rate (5.7 percent).

Most midwife-attended births are by certified nurse midwives (CNMs). For 2004, the percentage of midwife-attended births by certified nurse midwives was 94.5 percent (essentially the same as in 2002 and 2003). This rate has remained at 90 percent or more since 1989 (the first year that this information was collected on birth certificates). Most midwife-attended births occur in hospitals. Due to underreporting of midwife-attended deliveries, these data should be considered lower estimates of the actual number of midwife-attended births (7,73).

In 2004, 99 percent of all births were delivered in hospitals. This level has been stable over the past several decades. Of the 1 percent of out-of-hospital births in 2004, 65 percent were in a residence and 27 percent were in a freestanding birthing center. These levels have varied only moderately since 1989.

As in past years, about 92 percent of births to non-Hispanic white and black women were attended by a physician in a hospital, compared with 90 percent of births to Hispanic women. CNM-attended hospital births were more likely among Hispanic women (8.9 percent) than among non-Hispanic white and black women (6.6 and 6.8 percent, respectively). See **Tables 23 and 24** for CNM-attended births by race and Hispanic origin.

Method of delivery

The rate of cesarean delivery for 2004 increased to 29.1 percent, the highest rate ever reported in the United States. This rate represents a 6 percent increase from 2003 (27.5 percent). After falling between 1989 and 1996, the cesarean rate rose by 41 percent from the 1996 low of 20.7 (**Figure 10** and **Table 28**). Data from the National Hospital Discharge Survey show similar trends in cesarean delivery for 1990–2004 (74,75).

The continued escalation in the total cesarean rate is being driven by both the increase in the primary cesarean rate and the decrease in the rate of vaginal birth after cesarean delivery (VBAC). The risks, benefits, and long-term consequences of cesarean delivery, especially with regard to medically indicated or cesarean delivery with no medical or obstetrical indication, and VBAC delivery are the subject of intense debate (76–78). A National Institutes of Health expert panel recently acknowledged a lack of national data or other studies on mothers' preferences and recommended against cesareans that are not medically indicated for women desiring several children, and for pregnancies of less than 39 weeks of gestation (79).

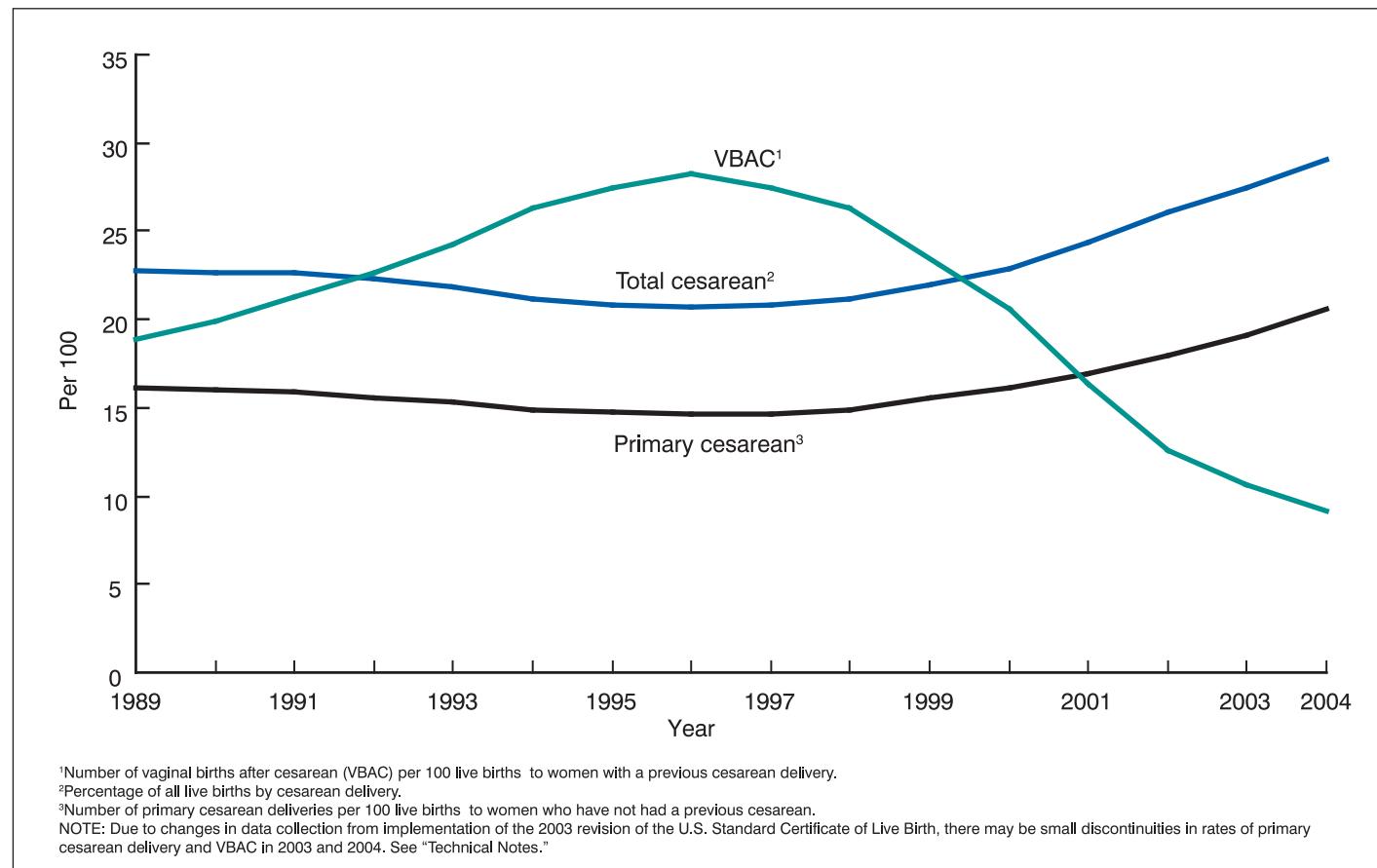


Figure 10. Total and primary cesarean rate and vaginal birth after cesarean rate: United States, 1989–2004

Method of delivery data based on the 1989 and the 2003 revisions of the U.S. Certificate of Live Birth are combined for all measures shown in this report. The numbers and percentages of total vaginal and total cesarean deliveries (e.g., the total cesarean delivery rate) appear to be very consistent between revisions. However, information on whether the delivery is a VBAC, primary cesarean, or repeat cesarean appears to be less comparable. In brief, data for the revised states show higher-than-expected VBAC and primary cesarean rates and lower-than-expected repeat cesarean rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard certificate of live birth (5,6). The changes to the method of delivery item appear to have a small impact (2 to 3 percent) on the national primary and VBAC rates shown in this report. However, changes in VBAC, primary, and repeat cesarean deliveries for states that have implemented the revised certificates should be interpreted with caution; see “[Technical Notes](#).”

The primary cesarean rate for 2004 (20.6 per 100 live births to women who had no previous cesarean) was 8 percent higher than in 2003 (19.1). This rate has increased by an average of 5 percent each year during 1998–2003, and was 41 percent higher than the low reported for 1996–97 (14.6). The trends for rates for low-risk women, (i.e., women with a singleton, full-term infant in vertex presentation) are similar to those for all women (80,81). Rates for women at no indicated risk (i.e., those with singleton, full-term, vertex presentation births with no risk factors or complications of labor and delivery reported on the birth certificate) more than doubled between 1991–2003 (82) (data not shown). The increase in primary cesarean deliveries may be associated with nonclinical factors such as demographics, physician practice patterns, and maternal choice (77,83,84).

Between 2003 and 2004, the rate of VBAC fell 13 percent—from 10.6 to 9.2 per 100 women with a previous cesarean and the lowest level reported since this information has been collected on birth certificates (1989). The VBAC rate has fallen by 67 percent since 1996, after increasing by 50 percent between 1989 and 1996 (from 18.9 to 28.3 percent) ([Figure 10](#) and [Table 28](#)).

Among women with a first (primary) cesarean delivery, subsequent deliveries will be either a repeat cesarean or a VBAC. This steep decline in the rate of VBAC implies a corresponding rise in the rate of repeat cesarean deliveries (the rate of cesarean delivery per 100 women with a previous cesarean). The repeat rate increased from 71.7 to 90.8 percent between 1996 and 2004; therefore, once a woman has a cesarean delivery, it is highly likely (there is more than a 90 percent chance) that subsequent deliveries will be by cesarean. The trend was essentially the same for low-risk women ([Figure 11](#)). The steep decline in the VBAC rate (and, accordingly, the increase in the repeat cesarean rate) may be related to reports of risks associated with VBAC, more conservative practice guidelines, legal pressures, as well as the continuing debate regarding the harms and benefits of vaginal birth compared with cesarean delivery (78,84–87).

Between 2003 and 2004, the primary rate increased and the VBAC rate decreased for almost all ages, and for all racial and ethnic groups ([Table 28](#) and data not shown). These rates have also changed by a similar magnitude among low-risk women of all ages and racial and ethnic groups (81) and data not shown.

The primary cesarean rate rose 7 to 9 percent between 2003 and 2004, for non-Hispanic white, non-Hispanic black, and Hispanic women. The primary rate for non-Hispanic black women (22.5)

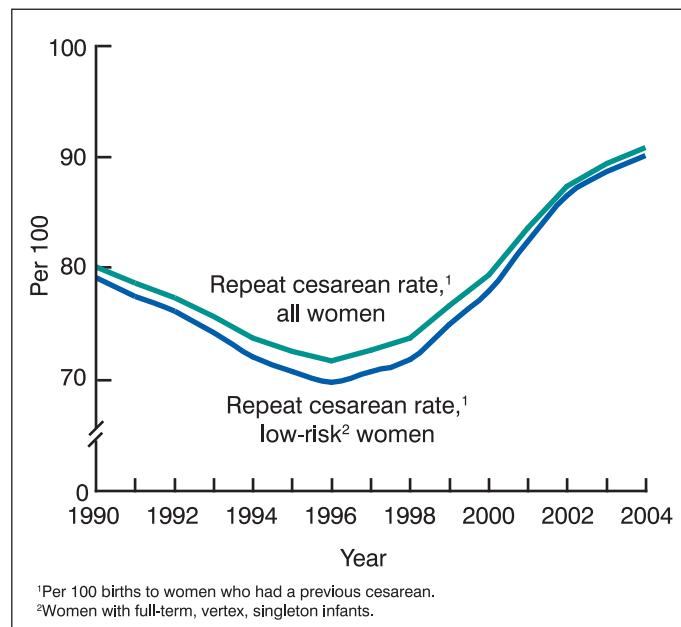


Figure 11. Repeat cesarean rates for all women, and for low-risk women: United States, 1990–2004

remained higher than the rates for non-Hispanic white and Hispanic women (21.1 and 18.2, respectively) ([Table 29](#)).

As in past years, primary cesarean rates rose as maternal age increased. For example, the 2004 rate for mothers aged 40–54 years (32.6) was over 75 percent higher than that for mothers under age 20 years (18.4) ([Table 29](#)). The higher rates for older mothers may be related to increased rates of multiple births, other biologic factors, and patient/practitioner concerns (88).

Declines in the VBAC rate were similar for the largest racial and Hispanic origin groups (11–13 percent) ([Table 29](#)). Until 2002, VBAC rates decreased with advancing maternal age. However, since 2002, VBAC rates have been essentially the same for all age groups.

For American Indian or Alaska Native women, the overall cesarean rate in 2004 was 25.1 percent; the rate for Asian or Pacific Islander women was 28.4 percent. Among Hispanic subgroups, the rate of cesarean delivery ranged between 27.1 for Mexican, to 43.4 for Cuban mothers ([Tables 23 and 24](#)).

Since 1996, as the cesarean rate has increased, the percentage of births delivered by either forceps or vacuum extraction has decreased 45 percent, from 9.4 to 5.2 percent ([Table J](#)). The rate of forceps delivery steadily decreased between 1989 and 2004, from 5.5 to 1.1. The rate of delivery by vacuum extraction, which had increased by 77 percent between 1989 (3.5) and 1997 (6.2 percent), has since decreased by one-third, to 4.1 percent for 2004.

Cesarean rates generally increased for all states (except Alaska) and the District of Columbia for 2003–04. As in previous years, there was considerable variation in cesarean rates by state, from under 22 percent in Alaska, Utah, and New Mexico, to over 32 percent for Kentucky, Louisiana, Mississippi, New Jersey, and West Virginia ([Table 30](#)). Almost one-half (47.7 percent) of births in Puerto Rico were cesarean deliveries. An analysis of cesarean delivery rates for Puerto Rican women by place of delivery (Puerto Rico compared with the U.S. mainland) found that rates in Puerto Rico were substantially higher than for Puerto Rican women who delivered on the U.S. mainland (89).

Table J. Percentage of live births delivered by forceps or vacuum extraction: United States, 1989–2004

Year	Forceps	Vacuum extraction	Forceps or Vacuum
2004	1.1	4.1	5.2
2003	1.3	4.3	5.6
2002	1.5	4.4	5.9
2001	1.8	4.5	6.3
2000	2.1	4.9	7.0
1999	2.3	5.1	7.4
1998	2.6	6.0	8.6
1997	2.8	6.2	9.0
1996	3.2	6.2	9.4
1995	3.5	5.9	9.4
1994	3.8	5.7	9.5
1993	4.1	5.3	9.4
1992	4.3	4.8	9.1
1991	4.6	4.4	9.0
1990 ¹	5.1	3.9	9.0
1989 ²	5.5	3.5	9.0

¹Excludes data for Oklahoma, which did not require reporting of method of delivery.

²Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not require reporting of method of delivery.

VBAC rates generally declined between 2003 and 2004 by state. In 2004, VBAC rates ranged from 4.2 in Louisiana, to 19.2 per 100 in Alaska and Utah. As noted above, increases for 2003–04 observed in VBAC rates in states that implemented the revised birth certificate likely reflect differences in wording and format between the 1989 and 2003 birth certificate revisions; see “[Technical Notes](#).”

Infant Health Characteristics

Period of gestation

The **preterm birth rate** rose another 2 percent in 2004, to 12.5 percent of all births. More than one-half million (508,356) babies were born preterm (less than 37 completed weeks of gestation) in 2004, the highest number reported since comparable information on gestational age has been available from birth certificates (1981). The percentage of infants born preterm has risen 18 percent since 1990 (from 10.6 percent), and by 33 percent since 1981 (9.4 percent). Increases for 2003–04 are seen among very preterm, (less than 32 completed weeks of gestation), and moderately preterm (32–36 weeks) infants; see [Tables 23, 24, 31, and 32](#). Since 1990, the percentage of very preterm births (VPT) has risen from 1.92 to 2.01 percent, and that of moderately preterm infants (MPT) from 8.7 to 10.5 percent.

Preterm birth is a leading cause of infant morbidity and mortality, accounting for nearly one-half of all congenital neurological defects such as cerebral palsy, and more than two-thirds of infant deaths (90,91). The causes and best management of preterm labor are not fully understood (91–93).

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother's last normal menstrual period (LMP) and the infant's date of birth. The LMP-based gestational age is subject to error for several reasons; see “[Technical Notes](#).” Although these data are edited for gestational ages that are

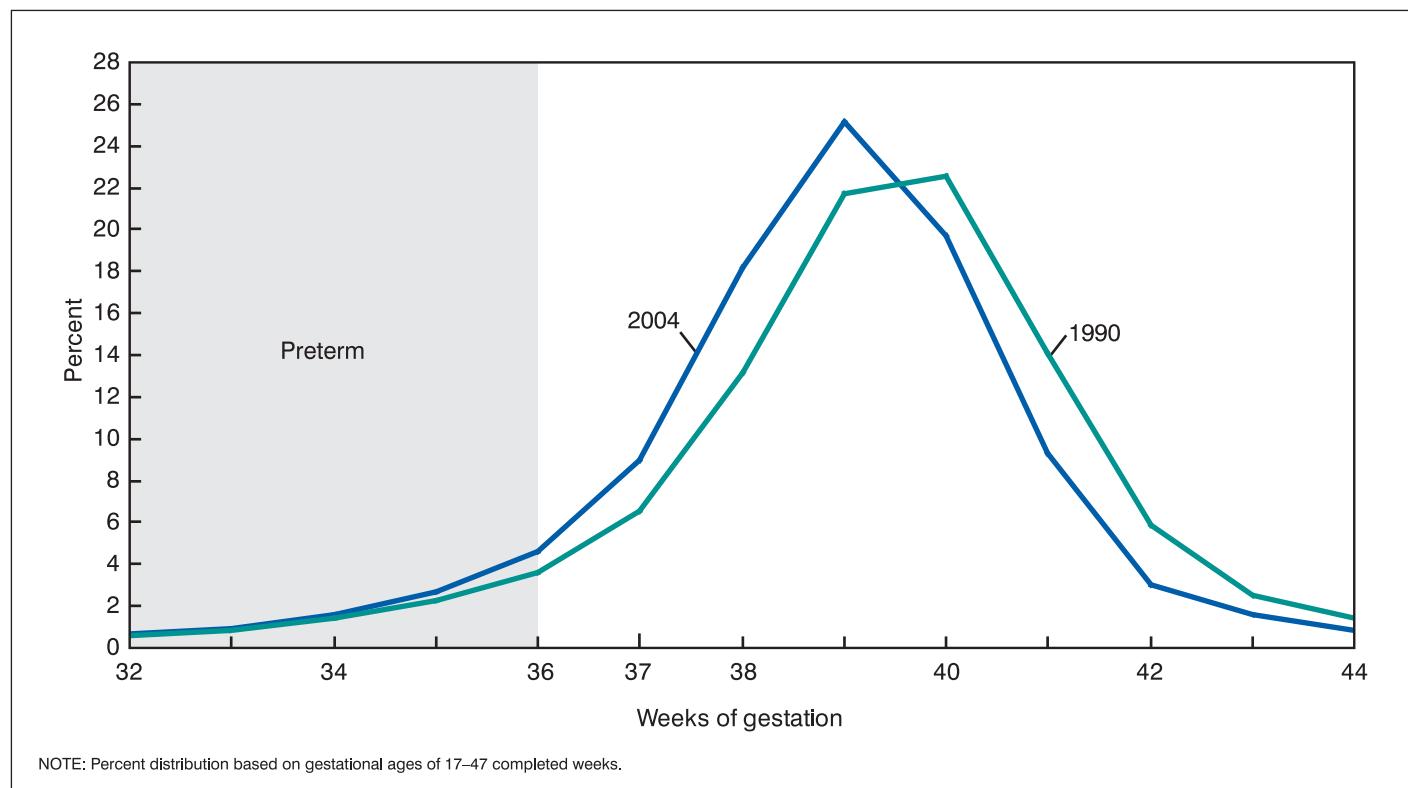


Figure 12. Percent distribution of births by gestational age (32–44 weeks): United States, 1990 and 2004

clearly inconsistent with the infant's birthweight, these edits are conservative and substantial incongruities in these data persist. Changes in reporting of this measure over time may have some effect on trends in preterm birth rates, particularly by race (94–96).

Because of their growing numbers and heightened risk of early delivery compared with singletons, multiple births have an important influence on recent trends in preterm birth rates. Accordingly, when only singleton births are examined, a slightly different trend emerges from that for all births. Among singletons only, the preterm rate rose 11 percent between 1990 and 2004 (9.7 to 10.8 percent); nearly all of the increase was among infants delivered at 34–36 weeks, or "late preterm;" see [Figure 12](#) and [Table K](#). A small decline, from 1.69 to 1.61 percent, is seen in singleton VPT births over this period. The increase in late preterm births is of concern because these babies comprise more than 70 percent of all preterm births ([Figures 12](#) and [13](#)) and, although infants born at 34–36 weeks are at lower risk of adverse outcome compared with infants born at earlier gestational ages, they are at heightened risk when compared with infants delivered at higher ages (97,98).

The trend to earlier deliveries is also seen at later gestational ages, that is, at term or later (37 and more weeks). Among singleton births, the percentage of births delivered at 40 weeks and greater declined from 36.9 to 36.2 between 2003 and 2004, and the percentage of births at 37–39 weeks increased from 52.5 to 53.0 ([Table K](#)). Since 1990, the percentage of births 40 weeks and greater has dropped by more than 25 percent. The marked shift in the gestational age distribution suggests increases in the use of delivery management techniques such as induction of labor and cesarean delivery (99–101). The rise in preterm births has been shown to have occurred among births with these medical interventions, and also among "spontaneous" deliveries or those for whom no intervention is reported (102–104).

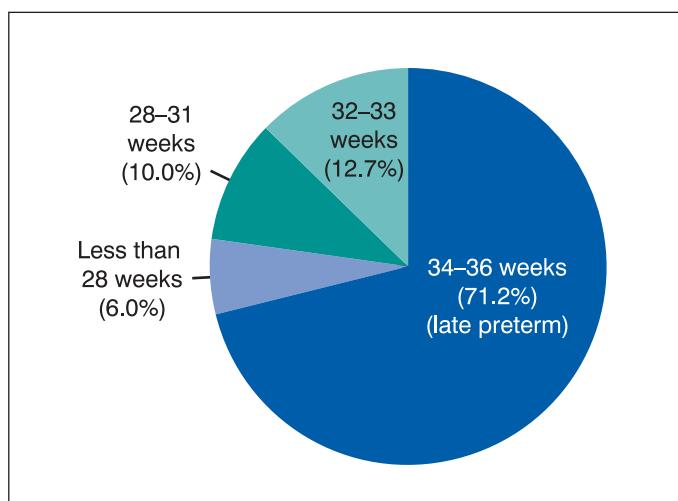


Figure 13. Percent distribution of preterm births: United States, 2004

Preterm rates rose for the current year for non-Hispanic white (11.3 to 11.5 percent), and Hispanic infants (11.9 to 12.0 percent); the change among non-Hispanic black infants was not statistically significant (17.8 to 17.9 percent) ([Table 32](#)). Since 1990, preterm birth rates have risen by more than one-third for non-Hispanic white births (from 8.5 percent), and 9 percent for Hispanic births (11.0 percent). Preterm rates among non-Hispanic black infants appeared to have declined during the 1990s (from 18.9 percent in 1990 to 17.4 in 2000), but have been on the rise since. The risk of preterm birth in 2004 for non-Hispanic black newborns was nearly 50 percent higher than that for non-Hispanic white and Hispanic black infants. Preterm birth rates for American Indian or

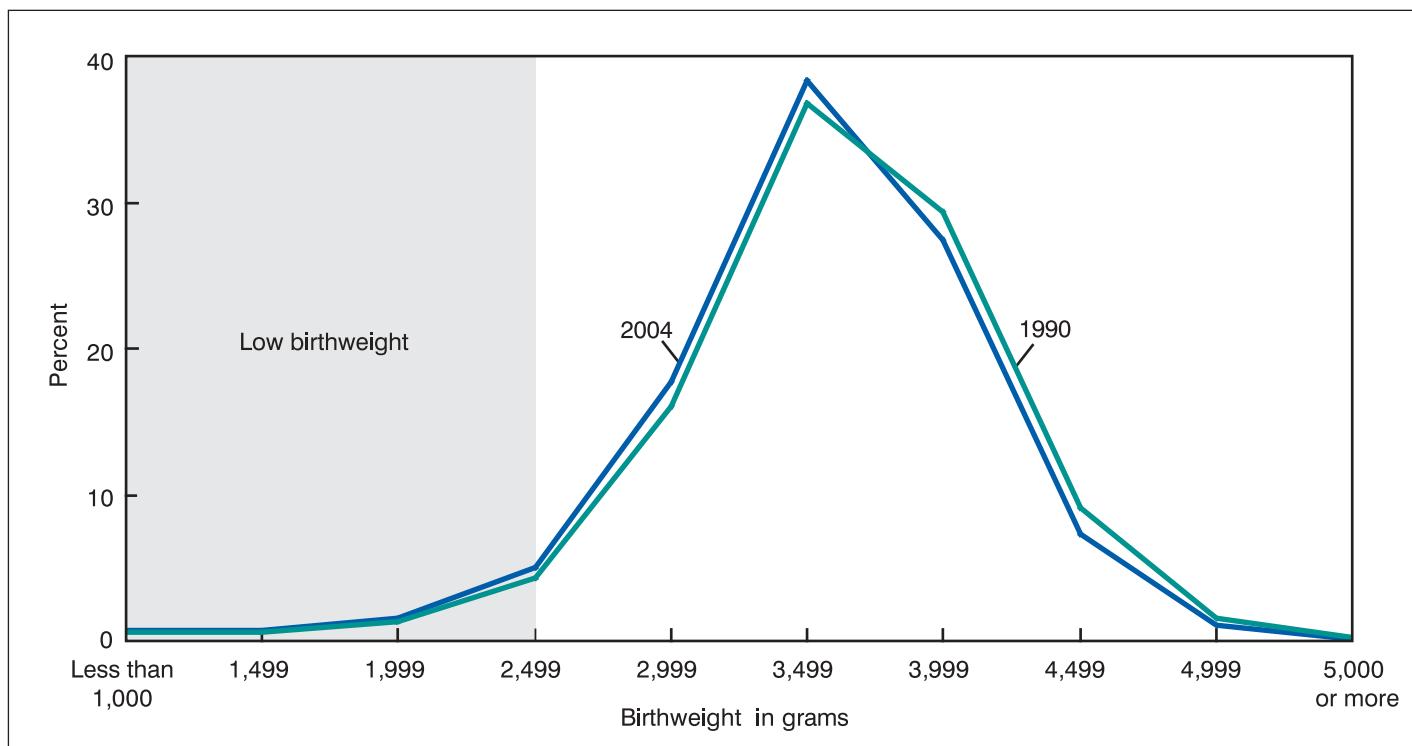


Figure 14. Percent distribution of births by birthweight: United States, 1990 and 2004

Table K. Percent distribution of gestational age of all births and for singleton births only: United States, 1990, 2003, and 2004

Gestational age	All births			Singleton births		
	2004	2003	1990	2004	2003	1990
Under 28 weeks	0.75	0.74	0.71	0.61	0.60	0.61
28–31 weeks	1.25	1.22	1.21	1.01	0.99	1.08
Total under 32 weeks	2.01	1.97	1.92	1.61	1.58	1.69
32–33 weeks	1.59	1.57	1.40	1.28	1.25	1.24
34–36 weeks	8.90	8.80	7.30	7.88	7.81	6.77
Total under 37 weeks	12.49	12.33	10.61	10.77	10.65	9.70
37–39 weeks	52.36	51.85	41.38	53.03	52.48	41.42
40 and higher weeks.	35.15	35.82	48.00	36.20	36.87	48.88

Alaska Native (AIAN), Asian or Pacific Islander (API), and the Hispanic subgroups are shown in [Tables 24](#) and [25](#).

Birthweight

The **low birthweight rate (LBW)** increased again, to 8.1 percent in 2004, from 7.9 percent in 2003, the highest level reported since 1969. The percentage of infants born at less than 2,500 grams or 5 lb 8 oz, has generally been on the rise over the last two decades; the 2004 rate is 16 percent higher than that reported for 1990 (7.0 percent), and 21 percent higher than the 1984 low (6.7 percent); (see [Figures 1, 14, and Tables 31, 32, and 34](#)). Increases for 2003–04 were observed for both very low (less than 1,500 grams, or less than 3 lb 4 oz), and moderately low birthweight (1,500 to 2,499 grams or 3 lb 5 oz to 5 lb 8 oz) infants. The percentage of infants born **very low birthweight (VLBW)** increased from 1.45 to 1.48, and is up from 1.27 since 1990. The percentage of infants born moderately low birthweight (MLBW) rose from 6.48 to 6.60 for 2003–04, and is up from 5.69 percent since 1990.

The weight of the newborn is an important predictor of future morbidity and mortality (90,105,106). For VLBW infants, the risk of dying in the first year of life is nearly 100 times that of normal weight infants; the risk for MLBW infants is more than five times higher than that of heavier newborns. Mortality risk is lowest for infants born at 3,500–4,500 grams (7 lb 12 oz to 9 lb 14 oz) (90).

The pronounced shift in recent years in the birthweight distribution toward smaller babies is demonstrated in [Figures 1 and 14](#). Between 1990 and 2004, increases are observed for each 500 gram interval under 3,500 grams. In contrast, large declines are seen at 3,500 grams and over. Trends are similar when singleton births of 2,500 grams and higher are examined; however, increases for birthweight intervals less than 2,500 grams are substantially reduced (see [Table L](#) for trends in singleton birthweight). Of particular note is the large decline in the percentage of infants delivered at 4,000–4,499 grams (8 lb 14 oz–9 lb 14 oz), down 4 percent for 2003–04, and 20 percent since 1990. Infants delivered at 4,000–4,499 grams are more likely than infants delivered at all other birthweights, to survive to their first birthday (90). The percentage of all infants 4,000 grams or more dropped from 8.9 to 8.5 percent between 2003 and 2004. The proportion of higher birthweight infants has fallen from levels of over 11 percent since the 1980s. Increases in the multiple birth rate, obstetric interventions such as induction of labor and cesarean delivery, older maternal age at childbearing, and increased use of infertility therapies may have influenced

the trends toward lower birthweights. See also sections on “Obstetric procedures,” “Method of delivery,” and “Period of gestation” (99,100,107–111).

LBW levels increased for 2003–04 among each of the largest racial and ethnic groups; non-Hispanic white (from 7.0 to 7.2 percent), non-Hispanic black (from 13.6 to 13.7 percent), and Hispanic (from 6.7 to 6.8 percent) ([Table 32](#)). Increases in VLBW rates were statistically significant for non-Hispanic white and Hispanic infants, but not for non-Hispanic black infants. See [Tables 23 and 24](#) for VLBW and LBW levels for population subgroups; AIAN, API, Mexican, Puerto Rican, Cuban, and Central and South American infants.

The rise in the rate of multiple births, which tend to be born much smaller than singletons (see section on “Multiple births”) has strongly influenced the upward swing in the LBW rate; however, low birthweight among infants in single deliveries has also been on the increase. For 2004, the **LBW rate for singletons** increased to 6.3 percent, from 6.2 percent for 2003. Singleton LBW has risen 5 percent since only 2000 (6.0 percent). The VLBW rate among singletons was 1.12 for 2004, compared with 1.11 percent in 2003. In 2004, the **mean or average birthweight** for infants delivered in single deliveries was 3,316 grams (7 lb, 5 oz), down 1 percent since 1990 ([Table L](#)).

Singleton LBW rose between 2003 and 2004 among non-Hispanic white and Hispanic infants; the increase for non-Hispanic black infants was not statistically significant ([Table L](#)). Since 1990, LBW rates for singletons have risen 8 and 14 percent for Hispanic and non-Hispanic white infants, respectively, and declined 2 percent among non-Hispanic black newborns.

The **youngest and oldest mothers** are the most likely to deliver LBW infants. For 2004, the lowest LBW levels were reported for women aged 25–34 years; the highest for teenagers under 15 years and women aged 45–54 years ([Table 34](#)). However, much of the elevated LBW risk among older mothers is associated with their higher multiple birth rates. When only singleton births are examined for this age group for 2004, the LBW rate for the oldest mothers drops from 21 to 10 percent. (Data not shown.)

Low birthweight levels also differ widely by state or reporting area. For 2004, more than 10 percent of all infants in Alabama, Louisiana, Mississippi, South Carolina, and the District of Columbia were born LBW, compared with less than 6.5 percent of infants in Alaska, Maine, Oregon, Vermont, and Washington. Differences in demographic characteristics such as maternal age and race and ethnicity explain some of the overall differences in birth outcome among states ([Tables 35 and 36](#)).

Table L. Rate of very low birthweight and low birthweight, and mean birthweight among singletons by race and Hispanic origin of mother, United States: 1990, 1995, 2000, and 2004

	2004	2003	2000	1995	1990 ¹
All races and origins ²					
Percent very low birthweight	1.12	1.11	1.11	1.08	1.05
Percent low birthweight	6.31	6.20	6.00	6.05	5.90
Mean birthweight in grams (standard deviation)	3,316 (570)	3,325 (571)	3,348 (577)	3,353 (581)	3,365 (583)
Non-Hispanic white					
Percent very low birthweight	0.83	0.82	0.80	0.78	0.73
Percent low birthweight	5.22	5.11	4.88	4.87	4.56
Mean birthweight in grams (standard deviation)	3,375 (554)	3,384 (555)	3,410 (560)	3,416 (563)	3,433 (562)
Non-Hispanic black					
Percent very low birthweight	2.61	2.61	2.62	2.55	2.54
Percent low birthweight	11.70	11.58	11.28	11.66	11.92
Mean birthweight in grams (standard deviation)	3,115 (628)	3,122 (631)	3,141 (637)	3,132 (635)	3,128 (635)
Hispanic ³					
Percent very low birthweight	0.98	0.94	0.94	0.93	0.87
Percent low birthweight	5.63	5.55	5.36	5.36	5.23
Mean birthweight in grams (standard deviation)	3,316 (548)	3,324 (548)	3,344 (552)	3,343 (553)	3,351 (552)

¹Data for 1990 by race and Hispanic origin exclude data for New Hampshire and Oklahoma, which did not require reporting of Hispanic origin of mother.

²Includes races other than white and black and origin not stated.

³Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Very low birthweight is less than 1,500 grams. Low birthweight is less than 2,500 grams. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Apgar score

To evaluate the general physical condition of the newborn, the Apgar score has been employed for over 50 years. Historically, the score has been a measure taken at 1 minute (no longer available from vital statistics), 5 minutes, and if desired, at additional 5-minute intervals after delivery (112). The Apgar score measures five easily identifiable characteristics of newborn infants. The total score is the sum of the scores of the five components. A score of 0 to 3 indicates an infant in need of resuscitation; a score of 4 to 6 is considered intermediate; a score of 7 or greater indicates that the neonate is in good to excellent physical condition.

The Apgar score can be a useful clinical indicator for reporting overall status of the newborn and response to resuscitation efforts, but it has limited use as a stand-alone measure to diagnose conditions such as asphyxia (113). The Apgar score at 5 minutes is a valid predictor of neonatal mortality, but less so for long-term outcome; also it correlates poorly with future neurological dysfunction (113).

In 2004, the proportion of newborns with 5-minute Apgar scores indicating excellent infant health status (9 or 10 points) declined to 88.8 percent (Table M). This decrease followed a very slow increase from 88.6 to 91.1 percent between 1978 and 2003. A small but significant increase in the proportion of 2004 births with low Apgar scores (below 7) to 1.5 percent is a departure from long-term stability in this measure. The proportion of births with low scores had declined over 30 percent from 1978 to 1993 (2.1 percent to 1.4); was unchanged at 1.4 percent through 2003. Low 5-minute Apgar scores are associated with lower birthweight and shorter gestational age (114,115).

Among racial and ethnic groups in 2004, non-Hispanic blacks had the highest percent (0.95 percent) of very low Apgar scores (0 to 3 points), which is more than twice the level of other groups (Table M). APIs had the lowest percent (0.33) of live births in this category.

Congenital anomalies

In this report, data are presented for the five congenital anomalies reported on both the revised and unrevised U.S. Standard Certificates of Live Birth; see "Technical Notes."

Congenital anomalies are the leading cause of infant death in the U.S. (90). They also cause metabolic disorders and disability (116). The national effort to prevent neural tube defects (NTDs), such as spina bifida and anencephalus, by encouraging increased intake of folic acid among women of childbearing age has been described elsewhere; increased folate use among women of childbearing age has been reported (117,118). It has been suggested that greater maternal weight may be a risk factor for NTDs (119), and that multivitamin supplementation may protect against defects other than NTDs (120).

The rate for the NTD **anencephalus** was 10.9 in 2004, compared with 11.4 per 100,000 births in 2003. The 2003 level was the highest rate reported since 1997. The anencephalus rate, which had declined in the early 1990s, was stable for 1994–97. Between 1998 and 2002, the rate was essentially unchanged, but generally lower than in previous years (117). The spina bifida/meningocele rate was 19.3 per 100,000 in 2004, compared with 18.7 in 2003 (Table 25). The spina bifida rate increased between 1992 and 1995 and declined for 1995–99 (117). The rate for this anomaly has not changed significantly in more recent years.

The congenital anomalies reported on birth certificates are rare events. Since a small change in the number of anomalies reported can result in a relatively large change in rates, caution should also be used in comparing yearly rates for a specific anomaly.

Among the most commonly reported specific anomalies, cleft lip/palate was reported at a rate of 77.7 per 100,000 births. The rate of Down's syndrome was 47.9.

Table M. Apgar score at 5 minutes, by race and Hispanic origin of mother: 48 states and the District of Columbia, 2004

5-minute Apgar score	All races and origins ¹	Non-Hispanic white	Non-Hispanic black	American Indian or Alaska Native total ^{2,3}	Asian or Pacific Islander total ³	Hispanic ⁴
0–3 Poor	0.5	0.4	1.0	0.4	0.3	0.4
4–6 Intermediate	1.1	1.0	1.5	1.1	0.7	0.8
7–8 Good	9.7	10.2	10.2	9.5	7.3	7.9
9–10 Excellent	88.8	88.4	87.3	89.1	91.6	90.9

¹Includes origin not stated.²Includes births to Aleuts and Eskimos.³Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race; see "Technical Notes."

NOTES: Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate. Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Congenital anomalies are underreported on the birth certificate; however, birth certificate data may be a valuable resource for exploratory or confirmatory studies (121). Data from birth certificates have been used to support an association between maternal smoking and birth defects such as cleft lip/palate and clubfoot (121,122).

The most serious or apparent anomalies are more likely to be observed and documented prior to birth registration; early recognition and reporting of congenital anomalies are limited because many anomalies are not recognizable at birth (123).

Rates for certain types of anomalies differ widely with maternal age (Table 25). For example, in 2004 as in past years, infants of the youngest mothers have the highest rates for omphalocele/gastroschisis (a defect or abnormality of the anterior abdominal wall) (124); infants of mothers aged 35 years and over have the highest rates for Down's syndrome.

Multiple births

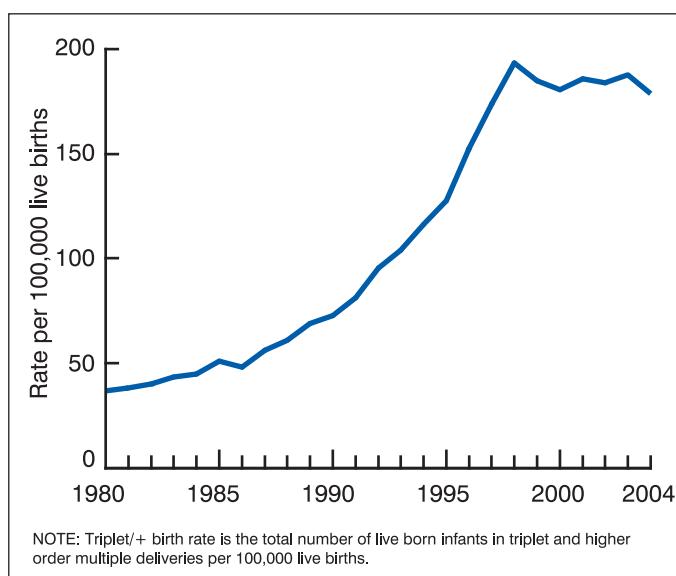
The twin birth rate rose 2 percent for 2004, to 32.2 twins per 1,000 total births, another record high. The twinning rate has climbed 42 percent since 1990 (from 22.6), and 70 percent since 1980 (18.9). The number of live births in twin deliveries rose to 132,219, nearly double the number reported for 1980 (from 68,339) (125); (see Tables 37 and 38).

In contrast to the continued upswing in twin births, the rate of triplet and higher-order multiple births (triplet/+ birth rate) declined 6 percent for 2004, to 176.9 per 100,000, from 187.4 in 2003. The triplet/+ birth rate (the number of triplets, quadruplets, quintuplets, and other higher-order multiples per 100,000 live births) soared by more than 400 percent between 1980 and 1998 (from 37.0 to 193.5 per 100,000 births) (125). Since 1999, however, this rate has been comparatively stable, trending slightly downward; the current year level is 9 percent lower than the 1998 peak; see Figure 15. In 2004, 7,275 triplet/+ were born, a drop of 5 percent from the previous year, and the lowest number reported since 1997. Similar trends in twinning and in triplet/+ birth rates have been observed over the last several decades in England and Wales (126).

Despite the recent small amelioration in triplet/+ birth rates, levels remain 4-fold higher than those observed prior to the introduction of fertility therapies in the early 1980s. Further, because twins make up the bulk of all multiple births (95 percent in 2004), the overall proportion

of multiple births has continued to rise steadily, reaching an all-time high of 33.9 per 1,000 for 2004. The rising incidence of multiple births over the last two decades, especially that for higher-order multiples, has been associated with two related trends, the older age at childbearing (women in their thirties are more likely than younger women to conceive multiples spontaneously) and the increasing use of fertility therapies (28,127–130). These therapies include ovulation-inducing drugs, and assisted reproductive technologies (ART) in which eggs and sperm are handled in the laboratory (e.g., *in vitro* fertilization). ART is estimated to account for 44 percent of triplets and 16 percent of twins born in 2003 (131). (Note: these estimates do not take into account the impact of non-ART procedures.)

The recent interruption in the upsurge of triplet/+ births may be in part related to recommendations in the late 1990s (further refined in 2004) from the American Society of Reproductive Medicine intended to prevent higher-order multiple pregnancies by limiting the number of embryos transferred (132,133). A shift from the transfer of 3 embryos (a predictor of triplet/+ deliveries) to 2 embryos, appears to have occurred between the mid- to late 1990s and 2002 (the most recent

**Figure 15. Triplet/+ birth rate: United States, 1980–2004**

year for which data are available) (130,134). Other factors also may have influenced the recent change in triplet/+ birth rates (135,136).

Twining rates increased between 2003 and 2004 among non-Hispanic white (36.3 in 2004), non-Hispanic black (35.6), and Hispanic women (21.5); the increase for Hispanic women was not statistically significant. Triplet/+ births declined among non-Hispanic white (243.4 per 100,000 for 2004), non-Hispanic black (99.7), and Hispanic mothers (76.4) (the decline in non-Hispanic black triplet/+ births was not significant). The fastest growth and the highest rates of twins and triplet/+ births in recent years have been observed among non-Hispanic white mothers; this group is also the most likely to receive infertility services (29). Since 1990, the twinning rate has risen 59 percent for non-Hispanic white women, compared with increases of 33 and 19 percent for non-Hispanic black and Hispanic mothers, respectively.

Multiple birth rates have risen for women of all age groups over the last several decades, but the largest growth has been among older mothers, especially those aged 35 years and over. For example, among women aged 20–24 years the twin birth rate increased 31 percent

between 1980 and 2004, compared with an increase of 133 percent for women aged 40–44 years (125) **see Figure 16**.

On average, multiple births are born much earlier and smaller than singletons, and are more likely to die within the first year of life. In 2004, the average birthweight of twins was nearly 1,000 grams lower than that of singletons (2,333 grams, or 5 lb 2 oz, compared with 3,316 grams, or 7 lb 5 oz); the average triplet/+ weighed about one-half the average singleton (1,700 grams, or 3 lb 12 oz); **see Text Table N**. In 2003, the mortality rate for infants born in multiple deliveries was more than four times higher than that for singletons (90).

Twining and triplet/+ birth rates range widely by the mother's state of residence (**Table 39**). The lowest twin birth rate reported for the combined 3-year period 2002–04 was 23.8 per 1,000 for New Mexico, compared with a high of 45.2 for Massachusetts. These states also reported among the lowest and highest triplet/+ rates for 2002–04 (69.1 per 100,000 for New Mexico and 308.0 for Massachusetts). Other states with substantially higher rates of triplet/+ birth rates were Nebraska (336.2) and New Jersey (331.4).

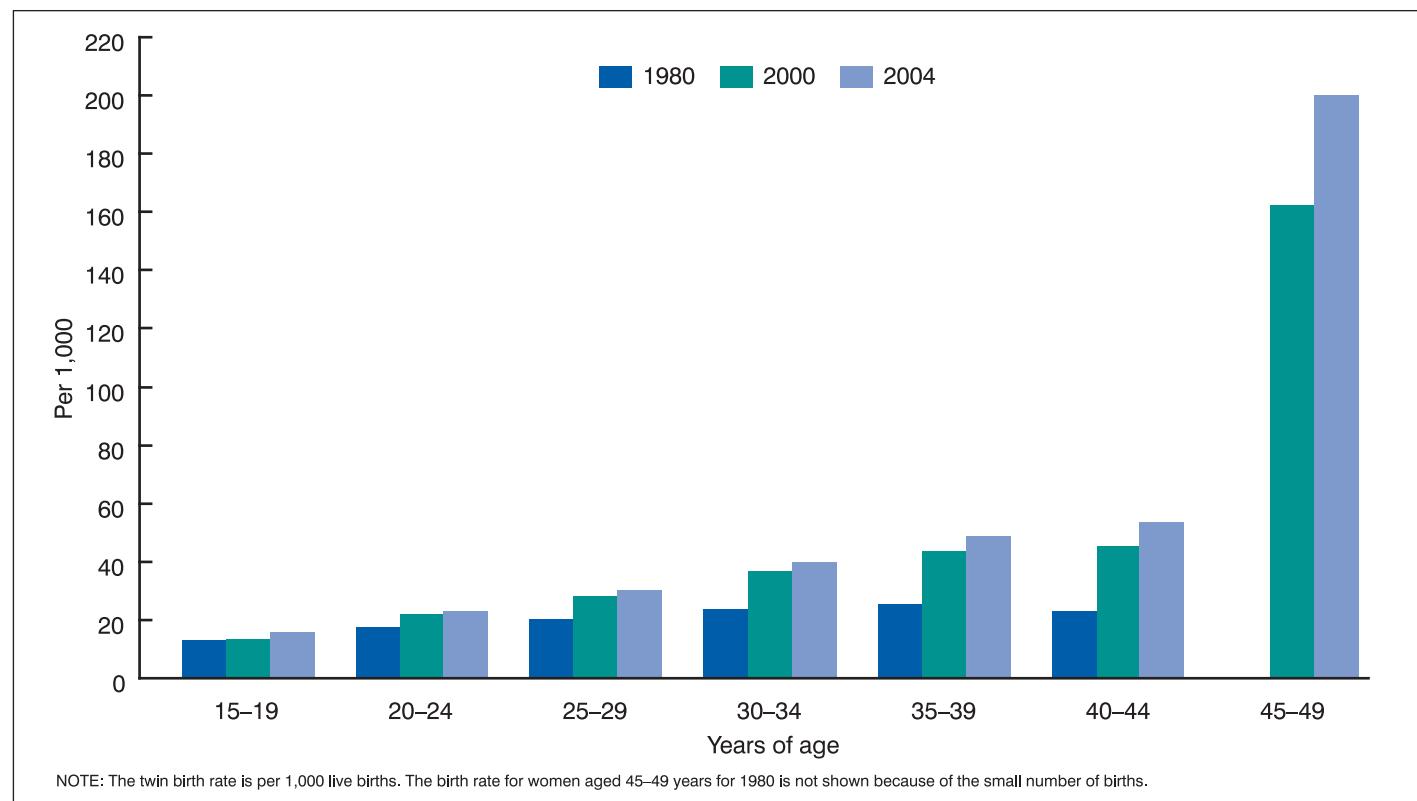


Figure 16. Twin birth rate by age of mother: United States, 1980, 2000, and 2004

Table N. Gestational age and birthweight characteristics by plurality: United States, 2004

Gestational age	Twins	Triplets	Quadruplets	Quintuplets and higher order multiples ¹	Singletons
Number	132,219	6,750	439	86	3,972,558
Percent very preterm ²	11.8	35.9	64.9	81.4	1.6
Percent preterm ³	59.7	93.0	95.9	100.0	10.8
Mean gestational age in weeks (standard deviation)	35.2 (3.6)	32.1 (3.9)	29.7 (4.5)	28.4 (2.7)	38.7 (2.4)
Percent very low birthweight ⁴	10.2	33.2	65.1	84.9	1.1
Percent low birthweight ⁵	56.6	94.1	98.4	100.0	6.3
Mean birthweight in grams (standard deviation)	2,333 (634)	1,700 (559)	1,276 (552)	1,103 (383)	3,316 (570)

¹Quintuplets, sextuplets, and higher order multiple births are not differentiated in the national data set.

²Very preterm is less than 32 completed weeks of gestation.

³Preterm is less than 37 completed weeks of gestation.

⁴Very low birthweight is less than 1,500 grams.

⁵Low birthweight is less than 2,500 grams.

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Guide to Tables in Births: Final Data for 2004

TABLE:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	United States or all reporting areas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Years: Current year only			2	3			7				11	12	13								20	
	Trend	1			4	5	6		8	9	10									19	21	
Type of entry: Number of births	1	2			5	6					11	12	13	14	15	16	17	18		20		
	Rates or other measures	1		3	4	5		7	8	9	10	11			14	15	16	17	18	19	20	21
Characteristics:																						
Abnormal conditions of the newborn																						
Age of father																					21	
Age of mother		2	3	4		6	7	8		10								18	19			
Attended at birth																						
Birthweight																						
Complications of labor and/or delivery																						
Congenital anomalies																						
Day of week																			17			
Gestational age																						
Hispanic origin of mother																						
Live-birth order		2	3			6	7		9	10												
Method of delivery																				17		
Month of birth																				16		
Multiple births																						
Obstetric procedures																						
Place of delivery																						
Prenatal care																					721	
Race of father																						
Race of mother																					721	
Risk factors in this pregnancy																						
Sex of child																			14	15		
Teenage mothers																			14	15		
Unmarried mothers																				18	19	20
Weight gain during pregnancy																						

TABLE:	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Geographic area: States ¹					26				30			33		35	36			39
United States or all reporting areas	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Years: Current year only	22	23	24	25	26	27		29	30	31		33	34	35	36	37		39
Trend							28				32						38	
Type of entry: Number of births.	22			25		27	28	29		31		33	34	35	36	37	38	39
Rates or other measures	22	23	24	25	26		28	29	30	31	32	33	34	35	36	37	38	39
Characteristics:																		
Abnormal conditions of newborn																		
Age of father																		
Age of mother				25				29					34			37		
Attendant at birth		23	24			27												
Birthweight												31	32		34	35	36	
Complications of labor and/or delivery				25														
Congenital anomalies.				25														
Day of week				25														
Gestational age	22	23	24								31	32	33					
Hispanic origin of mother	422		³ 24	⁴ 25	⁴ 26	⁴ 27	⁴ 28	⁴ 29	⁴ 30	⁴ 31	⁴ 32	⁴ 33	⁴ 34	⁴ 35	⁴ 36	⁴ 37	⁴ 38	
Live-birth order.																		
Method of delivery.		23	24				28	29	30									
Month of birth																		
Multiple births		23	24													37	38	39
Obstetric procedures				25														
Place of delivery.						27												
Prenatal care.					26													
Race of father																		
Race of mother	⁴ 22	² 23	³ 24	⁴ 25	⁴ 26	⁴ 27	⁴ 28	⁴ 29	⁴ 30	⁴ 31	⁴ 32	⁴ 33	⁴ 34	⁴ 35	⁴ 36	⁴ 37	⁴ 38	
Risk factors in this pregnancy.			23	24	25													
Sex of child.																		
Teenage mothers																		
Unmarried mothers																		
Weight gain during pregnancy	22	23	24															

¹Includes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and Northern Marianas.²Includes white, black, American Indian or Alaska Native, and Asian or Pacific Islander.³Includes Mexican, Puerto Rican, Cuban, Central and South American, other and unknown Hispanic, non-Hispanic white, and non-Hispanic black.⁴Includes non-Hispanic white, non-Hispanic black, and Hispanic.⁵Includes white, non-Hispanic white, black, non-Hispanic black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.⁶Includes white, non-Hispanic white, black, American Indian or Alaska Native, Asian or Pacific Islander, and Hispanic.⁷Includes white and black.

Table 1. Live births, birth rates, and fertility rates, by race: United States, specified years 1940–55 and each year, 1960–2004

[Birth rates are live births per 1,000 population in specified group. Fertility rates are live births per 1,000 women aged 15–44 years in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Beginning with 1970, excludes births to nonresidents of the United States]

Year	Number						Birth rate						Fertility rate					
	All races ¹			American Indian ²	Asian or Pacific Islander	All races ¹	Birth rate			Asian or Pacific Islander	All races ¹	Fertility rate			Asian or Pacific Islander	American Indian ²	Asian or Pacific Islander	
	White	Black	White				Black	American Indian ²	White			Black	American Indian ²					
Registered births																		
Race of mother:																		
2004	4,112,052	3,222,928	616,074	43,927	229,123	14.0	13.5	16.0	14.0	16.8	66.3	66.1	67.6	58.9	67.1			
2003	4,089,950	3,225,848	599,847	43,052	221,203	14.1	13.6	15.7	13.8	16.8	66.1	66.1	66.3	58.4	66.3			
2002	4,021,726	3,174,760	593,691	42,368	210,907	13.9	13.5	15.7	13.8	16.5	64.8	64.8	65.8	58.0	64.1			
2001	4,025,933	3,177,626	606,156	41,872	200,279	14.1	13.7	16.3	13.7	16.4	65.3	65.0	67.6	58.1	64.2			
2000	4,058,814	3,194,005	622,598	41,668	200,543	14.4	13.9	17.0	14.0	17.1	65.9	65.3	70.0	58.7	65.8			
1999	3,959,417	3,132,501	605,970	40,170	180,776	14.2	13.7	16.8	14.2	15.9	64.4	64.0	68.5	59.0	60.9			
1998	3,941,553	3,118,727	609,902	40,272	172,652	14.3	13.8	17.1	14.8	15.9	64.3	63.6	69.4	61.3	60.1			
1997	3,880,894	3,072,640	599,913	38,572	169,769	14.2	13.7	17.1	14.7	16.2	63.6	62.8	69.0	60.8	61.3			
1996	3,891,494	3,093,057	594,781	37,880	165,776	14.4	13.9	17.3	14.9	16.5	64.1	63.3	69.2	61.8	62.3			
1995	3,899,589	3,098,885	603,139	37,278	160,287	14.6	14.1	17.8	15.3	16.7	64.6	63.6	71.0	63.0	62.6			
1994	3,952,767	3,121,004	636,391	37,740	157,632	15.0	14.3	19.1	16.0	17.1	65.9	64.2	75.9	65.8	63.9			
1993	4,000,240	3,149,833	658,875	38,732	152,800	15.4	14.6	20.2	17.0	17.3	67.0	64.9	79.6	69.7	64.3			
1992	4,065,014	3,201,678	673,633	39,453	150,250	15.8	15.0	21.1	17.9	17.9	68.4	66.1	82.4	73.1	66.1			
1991	4,110,907	3,241,273	682,602	38,841	145,372	16.2	15.3	21.8	18.3	18.3	69.3	66.7	84.8	73.9	67.1			
1990	4,158,212	3,290,273	684,336	39,051	141,635	16.7	15.8	22.4	18.9	19.0	70.9	68.3	86.8	76.2	69.6			
1989	4,040,958	3,192,355	673,124	39,478	133,075	16.4	15.4	22.3	19.7	18.7	69.2	66.4	86.2	79.0	68.2			
1988	3,909,510	3,102,083	638,562	37,088	129,035	16.0	15.0	21.5	19.3	19.2	67.3	64.5	82.6	76.8	70.2			
1987	3,809,394	3,043,828	611,173	35,322	116,560	15.7	14.9	20.8	19.1	18.4	65.8	63.3	80.1	75.6	67.1			
1986	3,756,547	3,019,175	592,910	34,169	107,797	15.6	14.8	20.5	19.2	18.0	65.4	63.1	78.9	75.9	66.0			
1985	3,760,561	3,037,913	581,824	34,037	104,606	15.8	15.0	20.4	19.8	18.7	66.3	64.1	78.8	78.6	68.4			
1984 ³	3,669,141	2,967,100	568,138	33,256	98,926	15.6	14.8	20.1	20.1	18.8	65.5	63.2	78.2	79.8	69.2			
1983 ³	3,638,933	2,946,468	562,624	32,881	95,713	15.6	14.8	20.2	20.6	19.5	65.7	63.4	78.7	81.8	71.7			
1982 ³	3,680,537	2,984,817	568,506	32,436	93,193	15.9	15.1	20.7	21.1	20.3	67.3	64.8	80.9	83.6	74.8			
1981 ³	3,629,238	2,947,679	564,955	29,688	84,553	15.8	15.0	20.8	20.0	20.1	67.3	64.8	82.0	79.6	73.7			
1980 ³	3,612,258	2,936,351	568,080	29,389	74,355	15.9	15.1	21.3	20.7	19.9	68.4	65.6	84.7	82.7	73.2			
Race of child:																		
1980 ³	3,612,258	2,898,732	589,616	36,797	---	15.9	14.9	22.1	---	---	68.4	64.7	88.1	---	---	---	---	---
1979 ³	3,494,398	2,808,420	577,855	34,269	---	15.6	14.5	22.0	---	---	67.2	63.4	88.3	---	---	---	---	---
1978 ³	3,333,279	2,681,116	551,540	33,160	---	15.0	14.0	21.3	---	---	65.5	61.7	86.7	---	---	---	---	---
1977 ³	3,326,632	2,691,070	544,221	30,500	---	15.1	14.1	21.4	---	---	66.8	63.2	88.1	---	---	---	---	---
1976 ³	3,167,788	2,567,614	514,479	29,009	---	14.6	13.6	20.5	---	---	65.0	61.5	85.8	---	---	---	---	---
1975 ³	3,144,198	2,551,996	511,581	27,546	---	14.6	13.6	20.7	---	---	66.0	62.5	87.9	---	---	---	---	---
1974 ³	3,159,958	2,575,792	507,162	26,631	---	14.8	13.9	20.8	---	---	67.8	64.2	89.7	---	---	---	---	---
1973 ³	3,136,965	2,551,030	512,597	26,464	---	14.8	13.8	21.4	---	---	68.8	64.9	93.6	---	---	---	---	---
1972 ³	3,258,411	2,655,558	531,329	27,368	---	15.6	14.5	22.5	---	---	73.1	68.9	99.9	---	---	---	---	---
1971 ⁴	3,555,970	2,919,746	564,960	27,148	---	17.2	16.1	24.4	---	---	81.6	77.3	109.7	---	---	---	---	---
1970 ⁴	3,731,386	3,091,264	572,362	25,864	---	18.4	17.4	25.3	---	---	87.9	84.1	115.4	---	---	---	---	---
1969 ⁴	3,600,206	2,993,614	543,132	24,008	---	17.9	16.9	24.4	---	---	86.1	82.2	112.1	---	---	---	---	---
1968 ⁴	3,501,564	2,912,224	531,152	24,156	---	17.6	16.6	24.2	---	---	85.2	81.3	112.7	---	---	---	---	---
1967 ⁵	3,520,959	2,922,502	543,976	22,665	---	17.8	16.8	25.1	---	---	87.2	82.8	118.5	---	---	---	---	---
1966 ⁴	3,606,274	2,993,230	558,244	23,014	---	18.4	17.4	26.2	---	---	90.8	86.2	124.7	---	---	---	---	---
1965 ⁴	3,760,358	3,123,860	581,126	24,066	---	19.4	18.3	27.7	---	---	96.3	91.3	133.2	---	---	---	---	---
1964 ⁴	4,027,490	3,369,160	607,556	24,382	---	21.1	20.0	29.5	---	---	104.7	99.8	142.6	---	---	---	---	---
1963 ^{4,6}	4,098,020	3,326,344	580,658	22,358	---	21.7	20.7	---	---	---	108.3	103.6	---	---	---	---	---	---
1962 ^{4,6}	4,167,362	3,394,068	584,610	21,968	---	22.4	21.4	---	---	---	112.0	107.5	---	---	---	---	---	---
1961 ⁴	4,268,326	3,600,864	611,072	21,464	---	23.3	22.2	---	---	---	117.1	112.3	---	---	---	---	---	---
1960 ⁴	4,257,850	3,600,744	602,264	21,114	---	23.7	22.7	31.9	---	---	118.0	113.2	153.5	---	---	---	---	---
Births adjusted for underregistration																		
Race of child:																		
1955	4,097,000	3,485,000	---	---	---	25.0	23.8	---	---	---	118.3	113.7	---	---	---	---	---	---
1950	3,632,000	3,108,000	---	---	---	24.1	23.0	---	---	---	106.2	102.3	---	---	---	---	---	---
1945	2,858,000	2,471,000	---	---	---	20.4	19.7	---	---	---	85.9	83.4	---	---	---	---	---	---
1940	2,559,000	2,199,000	---	---	---	19.4	18.6	---	---	---	79.9	77.1	---	---	---	---	---	---

--- Data not available. ¹For 1960–91 includes births to races not shown separately. For 1992 and later years, unknown race of mother is imputed; see "Technical Notes."

²Includes births to Aleuts and Eskimos.

³Based on 100 percent of births in selected States and on a 50 percent sample of births in all other States; see "Technical Notes."

⁴Based on a 50 percent sample of births. ⁵Based on a 20 to 50 percent sample of births. ⁶Figures by race exclude New Jersey.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 2. Live births by age of mother, live-birth order, and race of mother: United States, 2004

[Live-birth order refers to number of children born alive to mother]

Live-birth order and race of mother	All ages	Under 15 years	Age of mother												
			15–19 years												
			Total	15 years	16 years	17 years	18 years	19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
All races	4,112,052	6,781	415,262	18,274	41,860	73,846	117,237	164,045	1,034,454	1,104,485	965,663	475,606	103,679	5,748	374
1st child.	1,630,921	6,636	330,147	17,491	38,561	63,783	93,131	117,181	483,752	395,784	279,884	110,418	22,721	1,472	107
2d child.	1,319,426	109	70,467	668	2,888	8,781	20,514	37,616	350,561	370,470	341,556	155,638	29,157	1,370	98
3d child.	693,932	5	11,025	20	167	792	2,693	7,353	141,967	208,136	200,118	109,881	21,751	983	66
4th child.	273,589	—	1,320	6	15	62	269	968	40,870	82,484	83,206	52,306	12,720	642	41
5th child.	99,744	—	157	1	2	7	24	123	9,943	28,051	32,151	22,276	6,774	371	21
6th child.	39,736	—	20	—	—	1	4	15	2,200	9,640	13,373	10,494	3,753	247	9
7th child.	17,856	—	5	—	1	—	1	3	483	3,426	6,164	5,440	2,163	166	9
8th child and over.	18,215	—	3	—	—	—	—	3	218	1,732	4,962	6,824	4,007	453	16
Not stated	18,633	31	2,118	88	226	420	601	783	4,460	4,762	4,249	2,329	633	44	7
White	3,222,928	3,725	297,133	11,605	28,347	52,179	84,604	120,398	788,264	880,870	780,368	384,917	82,737	4,611	303
1st child.	1,276,937	3,661	239,233	11,128	26,301	45,583	68,274	87,947	378,723	321,275	224,857	89,416	18,483	1,203	86
2d child.	1,050,100	49	48,741	403	1,813	5,806	14,116	26,603	270,714	301,900	278,351	126,045	23,103	1,109	88
3d child.	549,427	3	6,983	11	93	488	1,666	4,725	102,280	165,579	165,952	90,513	17,274	789	54
4th child.	209,194	—	769	5	8	40	159	557	26,356	61,591	67,104	42,648	10,187	504	35
5th child.	72,319	—	96	—	2	5	14	75	5,690	18,813	24,407	17,664	5,352	281	16
6th child.	27,390	—	11	—	—	—	3	8	1,108	5,675	9,524	7,912	2,969	185	6
7th child.	11,972	—	2	—	—	—	1	1	239	1,772	4,097	4,021	1,703	132	6
8th child and over.	12,384	—	1	—	—	—	—	1	132	851	2,927	4,904	3,189	372	8
Not stated	13,205	12	1,297	58	130	257	371	481	3,022	3,414	3,149	1,794	477	36	4
Black	616,074	2,827	102,793	6,038	11,847	18,970	28,354	37,584	200,398	147,858	99,083	50,043	12,396	641	35
1st child.	233,026	2,755	78,831	5,763	10,739	15,924	21,512	24,893	81,193	36,776	21,540	9,626	2,170	126	9
2d child.	177,850	56	19,069	235	956	2,611	5,623	9,644	66,012	45,695	29,945	13,875	3,074	120	4
3d child.	108,509	1	3,599	9	65	272	910	2,343	34,216	33,804	22,573	11,488	2,703	119	6
4th child.	51,113	—	507	1	7	19	99	381	12,757	17,358	11,926	6,737	1,731	92	5
5th child.	22,117	—	56	1	—	2	9	44	3,778	7,730	6,006	3,419	1,064	60	4
6th child.	10,077	—	9	—	—	1	1	7	978	3,378	3,067	1,995	602	47	1
7th child.	4,769	—	3	—	1	—	—	2	220	1,426	1,675	1,085	335	25	—
8th child and over.	4,622	—	1	—	—	—	—	1	78	766	1,634	1,478	617	45	3
Not stated	3,991	15	718	29	79	141	200	269	1,166	925	717	340	100	7	3
American Indian ¹	43,927	139	7,704	368	902	1,396	2,153	2,885	15,130	10,717	6,488	2,994	731	21	3
1st child.	15,270	132	5,911	349	818	1,162	1,653	1,929	5,692	2,140	947	377	67	3	1
2d child.	12,036	3	1,482	19	75	208	417	763	5,282	3,030	1,543	567	127	1	1
3d child.	7,849	1	241	—	4	18	62	157	2,778	2,665	1,434	602	124	4	—
4th child.	4,287	—	24	—	—	1	8	15	965	1,563	1,106	500	126	3	—
5th child.	2,204	—	3	—	—	—	1	2	269	771	696	373	90	2	—
6th child.	1,018	—	—	—	—	—	—	—	58	310	365	216	68	1	—
7th child.	516	—	—	—	—	—	—	—	8	111	186	162	46	3	—
8th child and over.	475	—	—	—	—	—	—	—	3	60	162	172	73	4	1
Not stated	272	3	43	—	5	7	12	19	75	67	49	25	10	—	—
Asian or Pacific Islander	229,123	90	7,632	263	764	1,301	2,126	3,178	30,662	65,040	79,724	37,652	7,815	475	33
1st child.	105,688	88	6,172	251	703	1,114	1,692	2,412	18,144	35,593	32,540	10,999	2,001	140	11
2d child.	79,440	1	1,175	11	44	156	358	606	8,553	19,845	31,717	15,151	2,853	140	5
3d child.	28,147	—	202	—	5	14	55	128	2,693	6,088	10,159	7,278	1,650	71	6
4th child.	8,995	—	20	—	—	2	3	15	792	1,972	3,070	2,421	676	43	1
5th child.	3,104	—	2	—	—	—	—	2	206	737	1,042	820	268	28	1
6th child.	1,251	—	—	—	—	—	—	—	56	277	417	371	114	14	2
7th child.	599	—	—	—	—	—	—	—	16	117	206	172	79	6	3
8th child and over.	734	—	1	—	—	—	—	1	5	55	239	270	128	32	4
Not stated	1,165	1	60	1	12	15	18	14	197	356	334	170	46	1	—

— Quantity zero.

¹Includes births of Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 3. Fertility rates and birth rates, by age of mother, live-birth order, and race of mother: United States, 2004

[Rates are live births per 1,000 women in specified age and racial group. Fertility rate computed by relating total births, regardless of age of mother, to women aged 15–44 years. Population estimated as of July 1. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	Age of mother										
			15–19 years								
	15–44 years	10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
All races	66.3	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
1st child	26.4	0.6	32.9	19.8	52.6	47.8	41.6	27.8	10.6	2.0	0.1
2d child	21.4	0.0	7.0	2.0	14.5	34.6	38.9	33.9	14.9	2.5	0.1
3d child	11.2	*	1.1	0.2	2.5	14.0	21.9	19.8	10.5	1.9	0.1
4th child	4.4	*	0.1	0.0	0.3	4.0	8.7	8.3	5.0	1.1	0.1
5th child	1.6	*	0.0	*	0.0	1.0	2.9	3.2	2.1	0.6	0.0
6th and 7th child	0.9	*	0.0	*	0.0	0.3	1.4	1.9	1.5	0.5	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.7	0.3	0.0
White	66.1	0.5	37.7	19.5	65.0	99.2	118.6	99.1	46.4	8.9	0.5
1st child	26.3	0.5	30.5	17.6	49.8	47.8	43.4	28.7	10.8	2.0	0.1
2d child	21.6	0.0	6.2	1.7	13.0	34.2	40.8	35.5	15.3	2.5	0.1
3d child	11.3	*	0.9	0.1	2.0	12.9	22.4	21.2	11.0	1.9	0.1
4th child	4.3	*	0.1	0.0	0.2	3.3	8.3	8.6	5.2	1.1	0.1
5th child	1.5	*	0.0	*	0.0	0.7	2.5	3.1	2.1	0.6	0.0
6th and 7th child	0.8	*	*	*	*	0.2	1.0	1.7	1.4	0.5	0.0
8th child and over	0.3	*	*	*	*	0.0	0.1	0.4	0.6	0.3	0.0
Black	67.6	1.6	63.3	37.2	104.4	127.7	103.6	67.9	34.0	7.9	0.5
1st child	25.7	1.6	48.9	32.9	74.0	52.0	25.9	14.9	6.6	1.4	0.1
2d child	19.6	0.0	11.8	3.9	24.3	42.3	32.2	20.7	9.5	2.0	0.1
3d child	12.0	*	2.2	0.4	5.2	21.9	23.8	15.6	7.9	1.7	0.1
4th child	5.6	*	0.3	0.0	0.8	8.2	12.2	8.2	4.6	1.1	0.1
5th child	2.4	*	0.0	*	0.1	2.4	5.4	4.1	2.3	0.7	0.0
6th and 7th child	1.6	*	*	*	*	0.8	3.4	3.3	2.1	0.6	0.1
8th child and over	0.5	*	*	*	*	0.0	0.5	1.1	1.0	0.4	0.0
American Indian ²	58.9	0.9	52.5	30.0	87.0	109.7	92.8	58.0	26.8	6.0	0.2
1st child	20.6	0.9	40.5	26.4	62.2	41.5	18.6	8.5	3.4	0.6	*
2d child	16.3	*	10.2	3.4	20.5	38.5	26.4	13.9	5.1	1.1	*
3d child	10.6	*	1.6	0.2	3.8	20.2	23.2	12.9	5.4	1.0	*
4th child	5.8	*	0.2	*	0.4	7.0	13.6	10.0	4.5	1.1	*
5th child	3.0	*	*	*	*	2.0	6.7	6.3	3.4	0.7	*
6th and 7th child	2.1	*	*	*	*	0.5	3.7	5.0	3.4	1.0	*
8th child and over	0.6	*	*	*	*	*	0.5	1.5	1.5	0.6	*
Asian or Pacific Islander	67.1	0.2	17.3	8.9	29.6	59.8	108.6	116.9	62.1	13.6	1.0
1st child	31.1	0.2	14.1	8.0	23.1	35.6	59.8	47.9	18.2	3.5	0.3
2d child	23.4	*	2.7	0.8	5.4	16.8	33.3	46.7	25.1	5.0	0.3
3d child	8.3	*	0.5	*	1.0	5.3	10.2	15.0	12.0	2.9	0.1
4th child	2.6	*	0.0	*	*	1.6	3.3	4.5	4.0	1.2	0.1
5th child	0.9	*	*	*	*	0.4	1.2	1.5	1.4	0.5	0.1
6th and 7th child	0.5	*	*	*	*	0.1	0.7	0.9	0.9	0.3	0.0
8th child and over	0.2	*	*	*	*	*	0.1	0.4	0.4	0.2	0.1

0.0 Quantity more than zero but less than 0.05.

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

¹ Birth rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

²Includes births to Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 4. Total fertility rates and birth rates, by age of mother: United States, 1970–2004, and by age and race of mother: United States, 1980–2004

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		15–19 years									
		10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
All races ²											
2004	2,045.5	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9	0.5
2003	2,042.5	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7	0.5
2002	2,013.0	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3	0.5
2001	2,034.0	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1	0.5
2000	2,056.0	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0	0.5
1999	2,007.5	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4	0.4
1998	1,999.0	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4	0.4
1997	1,971.0	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1	0.4
1996	1,976.0	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8	0.3
1995	1,978.0	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6	0.3
1994	2,001.5	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4	0.3
1993	2,019.5	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1	0.3
1992	2,046.0	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9	0.3
1991	2,062.5	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5	0.2
1990	2,081.0	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5	0.2
1989	2,014.0	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2	0.2
1988	1,934.0	1.3	53.0	33.6	79.9	110.2	114.4	74.8	28.1	4.8	0.2
1987	1,872.0	1.3	50.6	31.7	78.5	107.9	111.6	72.1	26.3	4.4	0.2
1986	1,837.5	1.3	50.2	30.5	79.6	107.4	109.8	70.1	24.4	4.1	0.2
1985	1,844.0	1.2	51.0	31.0	79.6	108.3	111.0	69.1	24.0	4.0	0.2
1984 ³	1,806.5	1.2	50.6	31.0	77.4	106.8	108.7	67.0	22.9	3.9	0.2
1983 ³	1,799.0	1.1	51.4	31.8	77.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 ³	1,827.5	1.1	52.4	32.3	79.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 ³	1,812.0	1.1	52.2	32.0	80.0	112.2	111.5	61.4	20.0	3.8	0.2
1980 ³	1,839.5	1.1	53.0	32.5	82.1	115.1	112.9	61.9	19.8	3.9	0.2
1979 ³	1,808.0	1.2	52.3	32.3	81.3	112.8	111.4	60.3	19.5	3.9	0.2
1978 ³	1,760.0	1.2	51.5	32.2	79.8	109.9	108.5	57.8	19.0	3.9	0.2
1977 ³	1,789.5	1.2	52.8	33.9	80.9	112.9	111.0	56.4	19.2	4.2	0.2
1976 ³	1,738.0	1.2	52.8	34.1	80.5	110.3	106.2	53.6	19.0	4.3	0.2
1975 ³	1,774.0	1.3	55.6	36.1	85.0	113.0	108.2	52.3	19.5	4.6	0.3
1974 ³	1,835.0	1.2	57.5	37.3	88.7	117.7	111.5	53.8	20.2	4.8	0.3
1973 ³	1,879.0	1.2	59.3	38.5	91.2	119.7	112.2	55.6	22.1	5.4	0.3
1972 ³	2,010.0	1.2	61.7	39.0	96.9	130.2	117.7	59.8	24.8	6.2	0.4
1971 ⁴	2,266.5	1.1	64.5	38.2	105.3	150.1	134.1	67.3	28.7	7.1	0.4
1970 ⁴	2,480.0	1.2	68.3	38.8	114.7	167.8	145.1	73.3	31.7	8.1	0.5
White											
2004	2,054.5	0.5	37.7	19.5	65.0	99.2	118.6	99.1	46.4	8.9	0.5
2003	2,061.0	0.5	38.3	19.8	66.2	100.6	119.5	99.3	44.8	8.7	0.5
2002	2,027.5	0.5	39.4	20.5	68.0	101.6	117.4	95.5	42.4	8.2	0.5
2001	2,040.0	0.5	41.2	21.4	70.8	103.7	117.0	95.8	41.3	8.0	0.5
2000	2,051.0	0.6	43.2	23.3	72.3	106.6	116.7	94.6	40.2	7.9	0.4
1999	2,007.5	0.6	44.0	24.4	73.0	105.0	114.9	90.7	38.5	7.4	0.4
1998	1,991.0	0.6	44.9	25.6	74.1	105.4	113.6	88.5	37.5	7.3	0.4
1997	1,955.0	0.7	45.5	26.6	75.0	104.5	111.3	85.7	36.1	6.9	0.3
1996	1,960.5	0.7	47.5	28.0	77.6	105.3	111.7	84.6	35.3	6.7	0.3
1995	1,954.5	0.8	49.5	29.6	80.2	104.7	111.7	83.3	34.2	6.4	0.3
1994	1,957.5	0.8	50.5	30.4	81.2	105.0	113.0	82.2	33.5	6.2	0.3
1993	1,961.5	0.8	50.6	30.0	81.5	106.1	114.7	81.3	32.6	5.9	0.3
1992	1,978.0	0.8	51.4	29.9	83.2	107.7	116.9	80.8	32.1	5.7	0.2
1991	1,988.0	0.8	52.6	30.5	83.3	108.8	118.0	80.2	31.8	5.2	0.2
1990	2,003.0	0.7	50.8	29.5	78.0	109.8	120.7	81.7	31.5	5.2	0.2
1989	1,931.0	0.7	47.9	28.1	72.9	106.9	117.8	78.1	29.7	4.9	0.2
1988	1,856.5	0.6	44.4	26.0	69.6	103.7	114.8	75.4	27.7	4.5	0.2
1987	1,804.5	0.6	42.5	24.6	68.9	102.3	112.3	73.0	25.9	4.1	0.2
1986	1,776.0	0.6	42.3	23.8	70.1	102.7	110.8	70.9	23.9	3.8	0.2
1985	1,787.0	0.6	43.3	24.4	70.4	104.1	112.3	69.9	23.3	3.7	0.2
1984 ³	1,748.5	0.6	42.9	24.3	68.4	102.7	109.8	67.7	22.2	3.6	0.2
1983 ³	1,740.5	0.6	43.9	25.0	68.8	103.8	109.4	65.3	21.3	3.6	0.2
1982 ³	1,767.0	0.6	45.0	25.5	70.8	107.7	111.9	64.0	20.4	3.6	0.2
1981 ³	1,748.0	0.5	44.9	25.4	71.5	108.3	112.3	61.0	19.0	3.4	0.2
1980 ³	1,773.0	0.6	45.4	25.5	73.2	111.1	113.8	61.2	18.8	3.5	0.2

See footnotes at end of table.

Table 4. Total fertility rates and birth rates, by age of mother: United States, 1970–2004, and by age and race of mother: United States, 1980–2004—Con.

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years]

Year and race	Total fertility rate	10–14 years	Age of mother								
			15–19 years								
			Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
Black											
2004	2,032.5	1.6	63.3	37.2	104.4	127.7	103.6	67.9	34.0	7.9	0.5
2003	1,999.0	1.6	63.8	38.2	103.7	126.1	100.4	66.5	33.2	7.7	0.5
2002	1,991.0	1.8	66.6	40.0	107.6	127.1	99.0	64.4	31.5	7.4	0.4
2001	2,051.0	2.0	71.8	43.9	114.0	133.2	99.2	64.8	31.6	7.2	0.4
2000	2,129.0	2.3	77.4	49.0	118.8	141.3	100.3	65.4	31.5	7.2	0.4
1999	2,082.5	2.5	79.1	50.5	120.6	137.9	97.3	62.7	30.2	6.5	0.3
1998	2,111.5	2.8	83.5	55.4	124.8	138.4	97.5	63.2	30.0	6.6	0.3
1997	2,091.5	3.1	86.3	59.3	127.7	135.2	95.0	62.6	29.3	6.5	0.3
1996	2,088.5	3.5	89.6	63.3	130.5	133.2	94.3	62.0	28.7	6.1	0.3
1995	2,127.5	4.1	94.4	68.5	135.0	133.7	95.6	63.0	28.4	6.0	0.3
1994	2,258.5	4.5	102.9	75.1	146.2	142.9	101.5	65.0	28.7	5.9	0.3
1993	2,351.0	4.5	107.3	78.9	150.2	150.2	106.4	66.6	29.0	5.9	0.3
1992	2,416.0	4.6	111.3	80.5	156.3	156.2	109.7	67.0	28.6	5.6	0.2
1991	2,462.0	4.7	114.8	83.5	157.6	159.7	112.0	67.3	28.2	5.5	0.2
1990	2,480.0	4.9	112.8	82.3	152.9	160.2	115.5	68.7	28.1	5.5	0.3
1989	2,432.5	5.1	111.5	81.9	151.9	156.8	114.4	66.3	26.7	5.4	0.3
1987	2,198.0	4.8	97.6	72.1	135.8	142.7	104.3	60.6	24.6	4.8	0.2
1986	2,135.5	4.7	95.8	69.3	135.1	137.3	101.1	59.3	23.8	4.8	0.3
1985	2,109.0	4.5	95.4	69.3	132.4	135.0	100.2	57.9	23.9	4.6	0.3
1984 ³	2,070.5	4.4	94.1	69.2	128.1	132.2	98.4	56.7	23.3	4.8	0.2
1983 ³	2,066.0	4.1	93.9	69.6	127.1	131.9	98.4	56.2	23.3	5.1	0.3
1982 ³	2,106.5	4.0	94.3	69.7	128.9	135.4	101.3	57.5	23.3	5.1	0.4
1981 ³	2,117.5	4.0	94.5	69.3	131.0	136.5	102.3	57.4	23.1	5.4	0.3
1980 ³	2,176.5	4.3	97.8	72.5	135.1	140.0	103.9	59.9	23.5	5.6	0.3
American Indian ⁵											
2004	1734.5	0.9	52.5	30.0	87.0	109.7	92.8	58.0	26.8	6.0	0.2
2003	1731.5	1.0	53.1	30.6	87.3	110.0	93.5	57.4	25.4	5.5	0.4
2002	1735.0	0.9	53.8	30.7	89.2	112.6	91.8	56.4	25.4	5.8	0.3
2001	1746.5	1.0	56.3	31.4	94.8	115.0	90.4	55.9	24.7	5.7	0.3
2000	1772.5	1.1	58.3	34.1	97.1	117.2	91.8	55.5	24.6	5.7	0.3
1999	1783.5	1.4	59.9	36.5	98.0	120.7	90.6	53.8	24.3	5.7	0.3
1998	1851.0	1.5	64.7	39.7	106.9	125.1	92.0	56.8	24.6	5.3	*
1997	1834.5	1.5	65.2	41.0	107.1	122.5	91.6	56.0	24.4	5.4	0.3
1996	1855.0	1.6	68.2	42.7	113.3	123.5	91.1	56.5	24.4	5.5	*
1995	1878.5	1.6	72.9	44.6	122.2	123.1	91.6	56.5	24.3	5.5	*
1994	1950.0	1.8	76.4	48.4	123.7	126.5	98.2	56.6	24.8	5.4	0.3
1993	2048.5	1.4	79.8	51.5	126.3	134.2	103.5	59.5	25.5	5.6	*
1992	2135.5	1.6	82.4	52.3	130.5	142.3	107.0	61.0	26.7	5.9	*
1991	2142.5	1.6	84.1	51.9	134.2	143.8	105.6	60.8	26.4	5.8	0.4
1990	2184.5	1.6	81.1	48.5	129.3	148.7	110.3	61.5	27.5	5.9	*
1989	2248.5	1.5	82.7	51.6	128.9	152.4	114.2	64.8	27.4	6.4	*
1988	2155.0	1.7	77.5	49.7	121.1	145.2	110.9	64.5	25.6	5.3	*
1987	2100.5	1.7	77.2	48.8	122.2	140.0	107.9	63.0	24.4	5.6	*
1986	2083.0	1.8	78.1	48.7	125.3	138.8	107.9	60.7	23.8	5.3	*
1985	2129.5	1.7	79.2	47.7	124.1	139.1	109.6	62.6	27.4	6.0	*
1984 ³	2137.5	1.7	81.5	50.7	124.7	142.4	109.2	60.5	26.3	5.6	*
1983 ³	2182.0	1.9	84.2	55.2	121.4	145.5	113.7	58.9	25.5	6.4	*
1982 ³	2215.0	1.4	83.5	52.6	127.6	148.1	115.8	60.9	26.9	6.0	*
1981 ³	2092.5	2.1	78.4	49.7	121.5	141.2	105.6	58.9	25.2	6.6	*
1980 ³	2165.0	1.9	82.2	51.5	129.5	143.7	106.6	61.8	28.1	8.2	*

See footnotes at end of table.

Table 4. Total fertility rates and birth rates, by age of mother: United States, 1970–2004, and by age and race of mother: United States, 1980–2004—Con.

[Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Birth rates are live births per 1,000 women in specified group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years]

Year and race	Total fertility rate	Age of mother									
		15–19 years									
		10–14 years	Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ¹
Asian or Pacific Islander											
2004	1,897.5	0.2	17.3	8.9	29.6	59.8	108.6	116.9	62.1	13.6	1.0
2003	1,873.0	0.2	17.4	8.8	29.8	59.6	108.5	114.6	59.9	13.5	0.9
2002	1,819.5	0.3	18.3	9.0	31.5	60.4	105.4	109.6	56.5	12.5	0.9
2001	1,840.0	0.2	19.8	10.3	32.8	59.1	106.4	112.6	56.7	12.3	0.9
2000	1,892.0	0.3	20.5	11.6	32.6	60.3	108.4	116.5	59.0	12.6	0.8
1999	1,754.5	0.4	21.4	12.4	33.9	58.9	100.8	104.3	52.9	11.3	0.9
1998	1,731.5	0.5	22.2	13.8	34.5	59.2	98.7	101.6	51.4	11.8	0.9
1997	1,757.5	0.5	22.3	14.0	34.9	61.2	101.6	102.5	51.0	11.5	0.9
1996	1,787.0	0.6	23.5	14.7	36.8	63.5	102.8	104.1	50.2	11.9	0.8
1995	1,795.5	0.7	25.5	15.6	40.1	64.2	103.7	102.3	50.1	11.8	0.8
1994	1,834.0	0.7	26.6	16.3	41.3	66.4	108.0	102.2	50.4	11.5	1.0
1993	1,841.5	0.7	26.5	16.1	41.2	68.1	110.3	101.2	49.4	11.2	0.9
1992	1,894.5	0.7	26.5	15.4	41.9	71.7	114.6	102.7	50.7	11.1	0.9
1991	1,928.0	0.8	27.3	16.3	42.2	73.8	118.9	103.3	49.2	11.2	1.1
1990	2,002.5	0.7	26.4	16.0	40.2	79.2	126.3	106.5	49.6	10.7	1.1
1989	1,947.5	0.6	25.6	15.0	40.4	78.8	124.0	102.3	47.0	10.2	1.0
1988	1,983.5	0.6	24.2	13.6	39.6	80.7	128.0	104.4	47.5	10.3	1.0
1987	1,886.0	0.6	22.4	12.6	37.0	79.7	122.7	97.0	44.2	9.5	1.1
1986	1,836.0	0.5	22.8	12.1	38.8	79.2	119.9	92.6	41.9	9.3	1.0
1985	1,885.0	0.4	23.8	12.5	40.8	83.6	123.0	93.6	42.7	8.7	1.2
1984 ³	1,892.0	0.5	24.2	12.6	40.7	86.7	124.3	92.4	40.6	8.7	1.0
1983 ³	1,943.5	0.5	26.1	12.9	44.5	94.0	126.2	93.3	39.4	8.2	1.0
1982 ³	2,015.5	0.4	29.4	14.0	50.8	98.9	130.9	94.4	39.2	8.8	1.1
1981 ³	1,976.0	0.3	28.5	13.4	49.5	96.4	129.1	93.4	38.0	8.6	0.9
1980 ³	1,953.5	0.3	26.2	12.0	46.2	93.3	127.4	96.0	38.3	8.5	0.7

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

¹Beginning 1997, rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

²For 1970–91 includes births to races not shown separately. For 1992 and later years, unknown race of mother is imputed; see "Technical Notes."

³Based on 100 percent of births in selected States and on a 50 percent sample of births in all other States; see "Technical Notes."

⁴Based on a 50 percent sample of births.

⁵Includes births to Aleuts and Eskimos.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 5. Live births, birth rates, and fertility rates by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2004

[Birth rates are live births per 1,000 population in specified group. Fertility rates are live births per 1,000 women aged 15–44 years in specified group. Population enumerated as of April 1 for census years, and estimated as of July 1 for all other years]

Measure and year	All origin ¹	Hispanic					Non-Hispanic			
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number										
2004	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683	578,772
2003	4,089,950	912,329	654,504	58,400	14,867	135,586	48,972	3,149,034	2,321,904	576,033
2002	4,021,726	876,642	627,505	57,465	14,232	125,981	51,459	3,119,944	2,298,156	578,335
2001	4,025,933	851,851	611,000	57,568	14,017	121,365	47,901	3,149,572	2,326,578	589,917
2000	4,058,814	815,868	581,915	58,124	13,429	113,344	49,056	3,199,994	2,362,968	604,346
1999	3,959,417	764,339	540,674	57,138	13,088	103,307	50,132	3,147,580	2,346,450	588,981
1998	3,941,553	734,661	516,011	57,349	13,226	98,226	49,849	3,158,975	2,361,462	593,127
1997	3,880,894	709,767	499,024	55,450	12,887	97,405	45,001	3,115,174	2,333,363	581,431
1996	3,891,494	701,339	489,666	54,863	12,613	97,888	46,309	3,133,484	2,358,989	578,099
1995	3,899,589	679,768	469,615	54,824	12,473	94,996	47,860	3,160,495	2,382,638	587,781
1994	3,952,767	665,026	454,536	57,240	11,889	93,485	47,876	3,245,115	2,438,855	619,198
1993	4,000,240	654,418	443,733	58,102	11,916	92,371	48,296	3,295,345	2,472,031	641,273
1992 ³	4,049,024	643,271	432,047	59,569	11,472	89,031	51,152	3,365,862	2,527,207	657,450
1991 ³	4,094,566	623,085	411,233	59,833	11,058	86,908	54,053	3,434,464	2,589,878	666,758
1990 ⁴	4,092,994	595,073	385,640	58,807	11,311	83,008	56,307	3,457,417	2,626,500	661,701
1989 ⁵	3,903,012	532,249	327,233	56,229	10,842	72,443	65,502	3,297,493	2,526,367	611,269
Birth rate										
2004 ⁶	14.0	22.9	24.9	16.1	9.3	22.2	(6)	12.5	11.6	15.8
2003 ⁶	14.1	22.9	24.7	15.1	9.9	23.0	(6)	12.7	11.8	15.9
2002 ⁶	13.9	22.6	24.2	16.5	10.0	22.4	(6)	12.6	11.7	16.1
2001 ⁶	14.1	23.0	24.8	17.8	10.3	21.8	(6)	12.8	11.8	16.6
2000 ⁶	14.4	23.1	25.0	18.1	9.7	21.8	(6)	13.2	12.2	17.3
1999 ⁶	14.2	22.5	24.2	18.0	9.4	21.7	(6)	13.0	12.1	17.1
1998 ⁶	14.3	22.7	24.6	17.9	9.7	21.7	(6)	13.2	12.2	17.5
1997 ⁶	14.2	23.0	25.3	17.2	10.0	21.3	(6)	13.1	12.2	17.4
1996 ⁶	14.4	23.8	26.2	17.2	10.6	22.5	(6)	13.3	12.3	17.6
1995 ⁶	14.6	24.1	25.8	19.0	10.8	24.2	(6)	13.5	12.5	18.2
1994 ⁶	15.0	24.7	26.1	20.8	10.7	24.9	(6)	13.9	12.8	19.5
1993 ⁶	15.4	25.4	26.8	21.5	10.5	26.3	(6)	14.3	13.1	20.7
1992 ^{6,7}	15.8	26.1	27.4	22.9	10.1	27.5	(6)	14.8	13.4	21.6
1991 ^{6,7}	16.2	26.5	27.6	23.3	9.8	28.3	(6)	15.2	13.9	22.4
1990 ^{4,6}	16.7	26.7	28.7	21.6	10.9	27.5	(6)	15.7	14.4	23.0
1989 ^{5,6}	16.3	26.2	25.7	23.7	10.0	28.3	(6)	15.4	14.2	22.8
Fertility rate										
2004 ⁶	66.3	97.8	106.8	68.4	53.2	89.3	(6)	60.5	58.4	67.0
2003 ⁶	66.1	96.9	105.5	61.6	61.7	91.2	(6)	60.5	58.5	67.1
2002 ⁶	64.8	94.4	102.8	65.4	59.0	86.1	(6)	59.6	57.4	67.4
2001 ⁶	65.3	96.0	105.7	72.2	56.7	82.7	(6)	60.1	57.7	69.1
2000 ⁶	65.9	95.9	105.1	73.5	49.3	85.1	(6)	61.1	58.5	71.4
1999 ⁶	64.4	93.0	101.5	71.1	47.0	84.8	(6)	60.0	57.7	69.9
1998 ⁶	64.3	93.2	103.2	69.7	46.5	83.5	(6)	60.0	57.6	70.9
1997 ⁶	63.6	94.2	106.6	65.8	53.1	80.6	(6)	59.3	56.8	70.3
1996 ⁶	64.1	97.5	110.7	66.5	55.1	84.2	(6)	59.6	57.1	70.7
1995 ⁶	64.6	98.8	109.9	71.3	52.2	89.1	(6)	60.2	57.5	72.8
1994 ⁶	65.9	100.7	109.9	78.2	53.6	93.2	(6)	61.6	58.2	77.5
1993 ⁶	67.0	103.3	110.9	79.8	53.9	101.5	(6)	62.7	58.9	81.5
1992 ^{6,7}	68.4	106.1	113.3	87.9	49.4	104.7	(6)	64.2	60.0	84.5
1991 ^{6,7}	69.3	106.9	114.9	87.9	47.6	105.5	(6)	65.2	60.9	87.0
1990 ^{4,6}	71.0	107.7	118.9	82.9	52.6	102.7	(6)	67.1	62.8	89.0
1989 ^{5,6}	69.2	104.9	106.6	86.6	49.8	95.8	(6)	65.7	60.5	84.8

¹Includes origin not stated.²Includes races other than white and black.³Excludes data for New Hampshire, which did not report Hispanic origin.⁴Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.⁵Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.⁶Rates for the Central and South American population includes other and unknown Hispanic.⁷Rates are estimated for the United States based on birth data for 49 States and the District of Columbia. Births for New Hampshire that did not report Hispanic origin, are included in the rates for non-Hispanic women; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table 6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	All ages	Under 15 years	Age of mother												
			15–19 years												
			Total	15 years	16 years	17 years	18 years	19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
Hispanic															
Total	946,349	2,356	133,044	6,969	15,881	25,839	37,159	47,196	279,746	254,358	177,762	81,021	17,265	764	33
1st child	338,736	2,308	102,720	6,598	14,482	21,727	28,176	31,737	119,445	65,349	33,989	12,402	2,393	121	9
2d child	288,730	37	25,105	322	1,260	3,616	7,646	12,261	100,786	87,257	51,949	19,909	3,562	119	6
3d child	183,929	3	4,082	8	73	335	1,052	2,614	42,682	62,645	48,972	21,560	3,849	129	7
4th child	81,237	—	496	2	5	36	113	340	12,219	25,984	25,548	13,754	3,096	133	7
5th child	30,600	—	67	—	1	5	9	52	2,853	8,454	10,278	7,004	1,859	82	3
6th child	11,513	—	8	—	—	—	3	5	607	2,582	3,925	3,213	1,114	63	1
7th child	4,726	—	2	—	—	—	1	1	144	850	1,553	1,527	611	39	—
8th child and over	3,583	—	—	—	—	—	—	—	57	386	973	1,377	715	75	—
Not stated	3,295	8	564	39	60	120	159	186	953	851	575	275	66	3	—
Mexican	677,621	1,798	101,625	5,381	12,290	19,932	28,419	35,603	207,535	182,306	121,408	51,985	10,497	453	14
1st child	232,512	1,763	77,720	5,100	11,164	16,653	21,301	23,502	85,076	41,570	18,943	6,247	1,129	61	3
2d child	203,589	30	19,789	245	1,014	2,884	6,060	9,586	76,372	62,387	32,596	10,657	1,709	47	2
3d child	137,421	2	3,269	8	62	279	836	2,084	32,999	48,040	36,401	14,381	2,256	69	4
4th child	62,828	—	392	2	3	30	100	257	9,542	20,277	20,059	10,366	2,109	81	2
5th child	23,850	—	53	—	1	1	9	42	2,276	6,564	8,084	5,438	1,377	56	2
6th child	8,966	—	8	—	—	—	3	5	483	2,007	3,069	2,494	857	47	1
7th child	3,675	—	1	—	—	—	—	1	112	644	1,222	1,201	463	32	—
8th child and over	2,771	—	—	—	—	—	—	—	47	296	736	1,068	565	59	—
Not stated	2,009	3	393	26	46	85	110	126	628	521	298	133	32	1	—
Puerto Rican	61,221	183	10,581	543	1,378	2,043	2,900	3,717	19,552	15,235	9,917	4,728	967	55	3
1st child	23,695	180	8,265	508	1,267	1,729	2,251	2,510	7,824	3,963	2,343	921	187	9	3
2d child	18,962	1	1,895	33	102	274	551	935	7,075	5,062	3,258	1,409	248	14	—
3d child	10,750	—	332	—	4	26	84	218	3,234	3,543	2,267	1,155	207	12	—
4th child	4,535	—	38	—	1	2	5	30	1,002	1,654	1,074	615	147	5	—
5th child	1,735	—	2	—	—	—	—	2	244	607	507	295	76	4	—
6th child	731	—	—	—	—	—	—	—	70	224	226	165	43	3	—
7th child	277	—	—	—	—	—	—	—	16	79	93	59	28	2	—
8th child and over	259	—	—	—	—	—	—	—	5	40	93	88	27	6	—
Not stated	277	2	49	2	4	12	9	22	82	63	56	21	4	—	—
Cuban	14,943	13	1,155	53	93	197	351	461	2,758	3,875	4,341	2,243	530	28	—
1st child	6,989	13	982	49	84	176	305	368	1,677	1,895	1,649	626	138	9	—
2d child	5,238	—	151	4	7	19	43	78	767	1,349	1,834	949	183	5	—
3d child	1,885	—	14	—	—	1	2	11	232	447	626	442	118	6	—
4th child	502	—	1	—	—	—	—	1	54	113	143	140	46	5	—
5th child	167	—	1	—	—	—	—	1	12	36	46	46	24	2	—
6th child	46	—	—	—	—	—	—	—	1	10	13	13	8	1	—
7th child	22	—	—	—	—	—	—	—	—	1	7	9	5	—	—
8th child and over	17	—	—	—	—	—	—	—	1	7	—	6	3	—	—
Not stated	77	—	6	—	2	1	1	2	14	17	23	12	5	—	—
Central and South American															
Total	143,520	204	11,896	526	1,190	2,133	3,380	4,667	35,073	40,624	33,399	17,829	4,298	183	14
1st child	56,267	198	9,766	503	1,114	1,859	2,772	3,518	18,571	14,356	8,874	3,715	755	31	1
2d child	45,800	3	1,792	18	70	243	525	936	11,364	14,400	11,459	5,583	1,152	43	4
3d child	25,402	—	252	—	4	17	62	169	3,919	7,841	7,730	4,571	1,053	33	3
4th child	9,774	—	30	—	—	3	2	25	899	2,735	3,261	2,141	666	37	5
5th child	3,482	—	3	—	—	1	—	2	154	825	1,237	946	302	14	1
6th child	1,299	—	—	—	—	—	—	—	24	213	452	433	165	12	—
7th child	535	—	—	—	—	—	—	—	6	65	163	204	93	4	—
8th child and over	386	—	—	—	—	—	—	—	3	22	92	163	99	7	—
Not stated	575	3	53	5	2	10	19	17	133	167	131	73	13	2	—

See footnotes at end of table.

Table 6. Live births by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004—Con.

[Live-birth order refers to number of children born alive to mother. Includes births with stated origin of mother only]

Live-birth order and origin of mother	All ages	Under 15 years	Age of mother												
			15–19 years												
			Total	15 years	16 years	17 years	18 years	19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years
Other and unknown															
Hispanic	49,044	158	7,787	466	930	1,534	2,109	2,748	14,828	12,318	8,697	4,236	973	45	2
1st child	19,273	154	5,987	438	853	1,310	1,547	1,839	6,297	3,565	2,180	893	184	11	2
2d child	15,141	3	1,478	22	67	196	467	726	5,208	4,059	2,802	1,311	270	10	—
3d child	8,471	1	215	—	3	12	68	132	2,298	2,774	1,948	1,011	215	9	—
4th child	3,598	—	35	—	1	1	6	27	722	1,205	1,011	492	128	5	—
5th child	1,366	—	8	—	—	3	—	5	167	422	404	279	80	6	—
6th child	471	—	—	—	—	—	—	—	29	128	165	108	41	—	—
7th child	217	—	1	—	—	—	1	—	10	61	68	54	22	1	—
8th child and over	150	—	—	—	—	—	—	—	—	1	21	52	21	3	—
Not stated	357	—	63	6	6	12	20	19	96	83	67	36	12	—	—
Non-Hispanic															
Total ¹	3,133,125	4,396	279,393	11,191	25,687	47,505	79,271	115,739	747,379	841,592	779,789	390,137	85,277	4,855	307
1st child	1,279,647	4,300	225,318	10,791	23,824	41,653	64,339	84,711	361,015	327,345	243,335	96,873	20,044	1,327	90
2d child	1,021,378	72	44,912	341	1,615	5,111	12,745	25,100	247,544	280,683	287,063	134,474	25,316	1,226	88
3d child	505,051	2	6,867	12	94	449	1,623	4,689	98,341	144,066	149,762	87,418	17,706	835	54
4th child	190,311	—	820	4	9	26	155	626	28,340	55,912	57,057	38,154	9,508	493	27
5th child	68,354	—	90	1	1	2	15	71	7,025	19,393	21,595	15,106	4,850	280	15
6th child	27,848	—	11	—	—	1	1	9	1,576	6,965	9,319	7,186	2,607	177	7
7th child	12,949	—	3	—	1	—	—	2	334	2,549	4,546	3,863	1,525	120	9
8th child and over	14,417	—	2	—	—	—	—	2	159	1,330	3,943	5,354	3,245	368	16
Not stated	13,170	22	1,370	42	143	263	393	529	3,045	3,349	3,169	1,709	476	29	1
White	2,296,683	1,477	168,795	4,908	13,055	27,258	48,740	74,834	517,148	631,726	604,040	304,085	65,389	3,772	251
1st child	946,010	1,457	140,319	4,794	12,380	24,658	41,097	57,390	263,223	256,701	190,429	76,777	15,964	1,066	74
2d child	767,723	14	24,458	93	589	2,305	6,736	14,735	173,016	216,726	226,786	106,106	19,558	981	78
3d child	369,821	1	3,039	3	25	164	658	2,189	60,969	104,546	117,868	69,247	13,460	647	44
4th child	129,847	—	299	3	3	7	50	236	14,528	36,329	42,092	29,079	7,133	363	24
5th child	42,475	—	34	—	1	—	5	28	2,940	10,616	14,368	10,800	3,511	195	11
6th child	16,140	—	3	—	—	—	—	3	522	3,176	5,699	4,754	1,862	119	5
7th child	7,346	—	—	—	—	—	—	—	98	949	2,580	2,528	1,097	88	6
8th child and over	8,832	—	—	—	—	—	—	—	74	479	1,988	3,530	2,462	291	8
Not stated	8,489	5	643	15	57	124	194	253	1,778	2,204	2,230	1,264	342	22	1
Black	578,772	2,729	97,290	5,753	11,240	17,927	26,778	35,592	188,761	138,093	92,646	46,945	11,676	607	25
1st child	218,584	2,658	74,497	5,489	10,172	15,036	20,299	23,501	75,813	34,117	20,223	9,077	2,071	120	8
2d child	166,674	55	18,128	226	925	2,482	5,321	9,174	62,170	42,345	27,959	13,035	2,867	111	4
3d child	101,861	1	3,452	9	61	260	871	2,251	32,555	31,608	20,949	10,641	2,538	113	4
4th child	48,341	—	485	1	6	17	96	365	12,256	16,419	11,127	6,352	1,614	86	2
5th child	21,059	—	52	1	—	2	9	40	3,654	7,410	5,658	3,211	1,012	59	3
6th child	9,643	—	8	—	1	1	1	6	952	3,253	2,914	1,896	574	45	1
7th child	4,581	—	3	—	1	—	—	2	212	1,391	1,606	1,033	312	24	—
8th child and over	4,468	—	1	—	—	—	—	1	77	748	1,583	1,414	599	43	3
Not stated	3,561	15	664	27	75	129	181	252	1,072	802	627	286	89	6	—

— Quantity zero.

¹Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table 7. Fertility rates and birth rates, by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004

[Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Birth rates are live births per 1,000 women in specified age and racial group. Populations estimated as of July 1. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	15–44 years ¹	10–14 years	Age of mother								
			15–19 years								
			Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ²
Hispanic											
Total	97.8	1.3	82.6	49.7	133.5	165.3	145.6	104.1	52.9	12.4	0.7
1st child	35.1	1.3	64.0	43.9	95.2	70.8	37.5	20.0	8.1	1.7	0.1
2d child	29.9	0.0	15.7	5.3	31.6	59.8	50.1	30.5	13.0	2.6	0.1
3d child	19.1	*	2.5	0.4	5.8	25.3	36.0	28.8	14.1	2.8	0.1
4th child	8.4	*	0.3	0.0	0.7	7.2	14.9	15.0	9.0	2.2	0.1
5th child	3.2	*	0.0	*	0.1	1.7	4.9	6.0	4.6	1.3	0.1
6th and 7th child	1.7	*	*	*	*	0.4	2.0	3.2	3.1	1.2	0.1
8th child and over	0.4	*	*	*	*	0.0	0.2	0.6	0.9	0.5	0.1
Mexican	106.8	1.4	95.5	58.4	152.4	180.0	153.5	106.2	54.3	12.6	0.7
1st child	36.8	1.4	73.3	51.3	107.0	74.0	35.1	16.6	6.5	1.4	0.1
2d child	32.2	0.0	18.7	6.5	37.4	66.5	52.7	28.6	11.2	2.0	0.1
3d child	21.7	*	3.1	0.5	7.0	28.7	40.6	31.9	15.0	2.7	0.1
4th child	9.9	*	0.4	0.1	0.9	8.3	17.1	17.6	10.8	2.5	0.1
5th child	3.8	*	0.0	*	0.1	2.0	5.5	7.1	5.7	1.7	0.1
6th and 7th child	2.0	*	*	*	*	0.5	2.2	3.8	3.9	1.6	0.1
8th child and over	0.4	*	*	*	*	0.0	0.3	0.6	1.1	0.7	0.1
Puerto Rican	68.4	0.9	62.6	38.9	*	139.1	102.2	66.4	32.8	6.8	0.5
1st child	26.6	0.9	49.1	34.5	*	55.9	26.7	15.8	6.4	1.3	*
2d child	21.3	*	11.3	4.0	*	50.5	34.1	21.9	9.8	1.7	*
3d child	12.1	*	2.0	0.3	*	23.1	23.9	15.3	8.0	1.5	*
4th child	5.1	*	0.2	*	*	7.2	11.1	7.2	4.3	1.0	*
5th child	1.9	*	*	*	*	1.7	4.1	3.4	2.1	0.5	*
6th and 7th child	1.1	*	*	*	*	0.6	2.0	2.1	1.6	0.5	*
8th child and over	0.3	*	*	*	*	*	0.3	0.6	0.6	0.2	*
Cuban	53.2	*	*	*	*	*	*	*	*	*	*
1st child	25.0	*	*	*	*	*	*	*	*	*	*
2d child	18.8	*	*	*	*	*	*	*	*	*	*
3d child	6.8	*	*	*	*	*	*	*	*	*	*
4th child	1.8	*	*	*	*	*	*	*	*	*	*
5th child	0.6	*	*	*	*	*	*	*	*	*	*
6th and 7th child	0.2	*	*	*	*	*	*	*	*	*	*
8th child and over	*	*	*	*	*	*	*	*	*	*	*
Other Hispanic ³	89.3	1.1	57.7	32.7	96.4	136.2	144.4	114.2	60.0	15.2	0.8
1st child	35.2	1.1	46.5	29.5	72.7	68.2	49.1	30.1	12.6	2.7	0.1
2d child	28.4	*	9.6	3.0	20.0	45.4	50.6	38.9	18.8	4.1	0.2
3d child	15.8	*	1.4	0.2	3.2	17.0	29.1	26.4	15.3	3.7	0.1
4th child	6.2	*	0.2	*	0.4	4.4	10.8	11.6	7.2	2.3	0.1
5th child	2.3	*	*	*	*	0.9	3.4	4.5	3.3	1.1	0.1
6th and 7th child	1.2	*	*	*	*	0.2	1.3	2.3	2.2	0.9	*
8th child and over	0.2	*	*	*	*	*	0.1	0.4	0.6	0.3	*
Non-Hispanic ⁴											
Total ⁵	60.5	0.5	33.3	16.7	58.1	89.0	108.7	93.6	44.1	8.5	0.5
1st child	24.8	0.5	27.0	15.2	44.6	43.2	42.5	29.3	11.0	2.0	0.1
2d child	19.8	0.0	5.4	1.4	11.3	29.6	36.4	34.5	15.2	2.5	0.1
3d child	9.8	*	0.8	0.1	1.9	11.8	18.7	18.0	9.9	1.8	0.1
4th child	3.7	*	0.1	0.0	0.2	3.4	7.3	6.9	4.3	0.9	0.1
5th child	1.3	*	0.0	*	0.0	0.8	2.5	2.6	1.7	0.5	0.0
6th and 7th child	0.8	*	*	*	*	0.2	1.2	1.7	1.3	0.4	0.0
8th child and over	0.3	*	*	*	*	0.0	0.2	0.5	0.6	0.3	0.0

See footnotes at end of table.

Table 7. Fertility rates and birth rates, by age of mother, live-birth order, Hispanic origin of mother, and by race for mothers of non-Hispanic origin: United States, 2004—Con.

[Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Birth rates are live births per 1,000 women in specified age and racial group. Populations estimated as of July 1. Live-birth order refers to number of children born alive to mother. Figures for live-birth order not stated are distributed]

Live-birth order and race of mother	15–44 years ¹	10–14 years	Age of mother								
			15–19 years								
			Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years ²
Non-Hispanic ⁴ —Con.											
White	58.4	0.2	26.7	12.0	48.7	81.9	110.0	97.1	44.8	8.2	0.5
1st child	24.1	0.2	22.3	11.1	38.9	41.8	44.8	30.7	11.4	2.0	0.1
2d child	19.6	*	3.9	0.8	8.5	27.5	37.8	36.5	15.7	2.5	0.1
3d child	9.4	*	0.5	0.1	1.1	9.7	18.3	19.0	10.2	1.7	0.1
4th child	3.3	*	0.0	*	0.1	2.3	6.4	6.8	4.3	0.9	0.1
5th child	1.1	*	0.0	*	0.0	0.5	1.9	2.3	1.6	0.4	0.0
6th and 7th child	0.6	*	*	*	*	0.1	0.7	1.3	1.1	0.4	0.0
8th child and over	0.2	*	*	*	*	0.0	0.1	0.3	0.5	0.3	0.0
Black	67.0	1.6	63.1	37.1	103.9	126.9	103.0	67.4	33.7	7.8	0.5
1st child	25.5	1.6	48.6	32.8	73.4	51.3	25.6	14.8	6.6	1.4	0.1
2d child	19.4	0.0	11.8	3.9	24.3	42.0	31.7	20.5	9.4	1.9	0.1
3d child	11.9	*	2.3	0.4	5.2	22.0	23.7	15.3	7.7	1.7	0.1
4th child	5.6	*	0.3	0.0	0.8	8.3	12.3	8.1	4.6	1.1	0.1
5th child	2.5	*	0.0	*	0.1	2.5	5.6	4.2	2.3	0.7	0.0
6th and 7th child	1.7	*	*	*	*	0.8	3.5	3.3	2.1	0.6	0.1
8th child and over	0.5	*	*	*	*	0.1	0.6	1.2	1.0	0.4	0.0

0.0 Quantity more than zero but less than 0.05.

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for the Hispanic subgroups, fewer than 75,000 women in the denominator; see "Technical Notes." These guidelines for denominator size follow the suggestions of the U.S. Census Bureau.

¹Fertility rates computed by relating total births, regardless of age of mother, to women aged 15–44 years.

²Birth rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

³Includes Central and South American and other and unknown Hispanic.

⁴Includes origin not stated.

⁵Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2004

[Fertility rates are live births per 1,000 women aged 15–44 years in specified racial group, and birth rates are live births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin or race of mother	Total fertility rate	Fertility rate ¹	10–14 years	Age of mother							
				15–19 years				20–24 years	25–29 years	30–34 years	35–39 years
				Total	15–17 years	18–19 years	20–24 years				
All origins											
2004	2,045.5	66.3	0.7	41.1	22.1	70.0	101.7	115.5	95.3	45.4	8.9
2003	2,042.5	66.1	0.6	41.6	22.4	70.7	102.6	115.6	95.1	43.8	8.7
2002	2,013.0	64.8	0.7	43.0	23.2	72.8	103.6	113.6	91.5	41.4	8.3
2001	2,034.0	65.3	0.8	45.3	24.7	76.1	106.2	113.4	91.9	40.6	8.1
2000	2,056.0	65.9	0.9	47.7	26.9	78.1	109.7	113.5	91.2	39.7	8.0
1999	2,007.5	64.4	0.9	48.8	28.2	79.1	107.9	111.2	87.1	37.8	7.4
1998	1,999.0	64.3	1.0	50.3	29.9	80.9	108.4	110.2	85.2	36.9	7.4
1997	1,971.0	63.6	1.1	51.3	31.4	82.1	107.3	108.3	83.0	35.7	7.1
1996	1,976.0	64.1	1.2	53.5	33.3	84.7	107.8	108.6	82.1	34.9	6.8
1995	1,978.0	64.6	1.3	56.0	35.5	87.7	107.5	108.8	81.1	34.0	6.6
1994	2,001.5	65.9	1.4	58.2	37.2	90.2	109.2	111.0	80.4	33.4	6.4
1993	2,019.5	67.0	1.4	59.0	37.5	91.1	111.3	113.2	79.9	32.7	6.1
1992	2,046.0	68.4	1.4	60.3	37.6	93.6	113.7	115.7	79.6	32.3	5.9
1991	2,062.5	69.3	1.4	61.8	38.6	94.0	115.3	117.2	79.2	31.9	5.5
1990	2,081.0	70.9	1.4	59.9	37.5	88.6	116.5	120.2	80.8	31.7	5.5
1989	2,014.0	69.2	1.4	57.3	36.4	84.2	113.8	117.6	77.4	29.9	5.2
Hispanic											
2004	2,824.5	97.8	1.3	82.6	49.7	133.5	165.3	145.6	104.1	52.9	12.4
2003	2,785.5	96.9	1.3	82.3	49.7	132.0	163.4	144.4	102.0	50.8	12.2
2002	2,718.0	94.4	1.4	83.4	50.7	133.0	164.3	139.4	95.1	47.8	11.5
2001	2,748.5	96.0	1.6	86.4	52.8	135.5	163.5	140.4	97.6	47.9	11.6
2000	2,730.0	95.9	1.7	87.3	55.5	132.6	161.3	139.9	97.1	46.6	11.5
1999	2,649.0	93.0	1.9	86.8	56.9	129.5	157.3	135.8	92.3	44.5	10.6
1998	2,652.5	93.2	1.9	87.9	58.5	131.5	159.3	136.1	90.5	43.4	10.8
1997	2,680.5	94.2	2.1	89.6	61.1	132.4	162.6	137.5	89.6	43.4	10.7
1996	2,772.0	97.5	2.4	94.6	64.2	140.0	170.2	140.7	91.3	43.9	10.7
1995	2,798.5	98.8	2.6	99.3	68.3	145.4	171.9	140.4	90.5	43.7	10.7
1994	2,839.0	100.7	2.6	101.3	69.9	147.5	175.7	142.4	91.1	43.4	10.7
1993	2,894.5	103.3	2.6	101.8	68.5	151.1	180.0	146.0	93.2	44.1	10.6
1992 ³	2,957.5	106.1	2.5	103.3	68.9	153.9	185.2	148.8	94.8	45.3	11.0
1991 ³	2,963.5	106.9	2.4	104.6	69.2	155.5	184.6	150.0	95.1	44.7	10.7
1990 ⁴	2,959.5	107.7	2.4	100.3	65.9	147.7	181.0	153.0	98.3	45.3	10.9
1989 ⁵	2,903.5	104.9	2.3	100.8	---	---	184.4	146.6	92.1	43.5	10.4
Mexican											
2004	3,021.0	106.8	1.4	95.5	58.4	152.4	180.0	153.5	106.2	54.3	12.6
2003	2,957.5	105.5	1.5	93.2	56.9	148.8	176.9	151.5	104.7	50.2	12.8
2002	2,879.5	102.8	1.5	94.5	58.6	147.5	176.9	144.5	97.9	47.5	12.3
2001	2,928.5	105.7	1.7	95.4	59.3	147.0	177.0	146.4	101.9	50.0	12.6
2000	2,906.5	105.1	1.9	95.4	60.6	146.7	174.9	144.7	102.3	49.2	12.2
1999	2,823.0	101.5	2.1	94.3	60.8	145.6	170.8	141.4	97.4	47.2	10.7
1998	2,878.0	103.2	2.1	96.4	62.9	149.2	176.5	147.4	94.9	46.9	10.8
1997	2,957.0	106.6	2.3	103.4	71.3	151.6	180.9	150.0	95.3	47.4	11.5
1996	3,052.0	110.7	2.6	112.2	77.7	161.6	185.3	154.7	96.5	46.4	12.0
1995	3,033.5	109.9	2.7	115.9	79.1	170.7	190.4	146.6	93.0	45.5	11.9
1994	3,024.0	109.9	2.7	109.2	73.6	163.3	189.1	153.6	92.5	45.3	11.7
1993	3,041.5	110.9	2.5	103.6	68.4	156.6	187.9	159.5	97.2	45.5	11.3
1992 ³	3,107.0	113.3	2.4	105.1	---	---	196.6	160.2	97.1	47.4	11.8
1991 ³	3,103.5	114.9	2.5	108.3	70.0	164.7	192.4	156.1	99.7	49.1	11.9
1990 ⁴	3,214.0	118.9	2.5	108.0	69.7	162.2	200.3	165.3	104.4	49.1	12.4
1989 ⁵	2,916.5	106.6	2.0	94.5	---	---	184.3	153.7	96.1	41.0	11.1

See footnotes at end of table.

Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2004—Con.

[Fertility rates are live births per 1,000 women aged 15–44 years in specified racial group, and birth rates are live births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin or race of mother	Total fertility rate	Fertility rate ¹	10–14 years	Age of mother								
				15–19 years				20–24 years	25–29 years	30–34 years	35–39 years	40–44 years
				Total	15–17 years	18–19 years	20–24 years					
Puerto Rican												
2004	2,056.5	68.4	0.9	62.6	38.9	*	139.1	102.2	66.4	32.8	6.8	0.5
2003	1,841.0	61.6	1.0	60.8	35.9	*	127.9	86.6	55.6	29.5	6.4	0.4
2002	1,947.5	65.4	1.4	61.4	39.7	*	136.5	90.6	61.5	31.3	6.3	0.5
2001	2,165.0	72.2	1.7	82.2	*	*	147.2	93.6	70.5	30.7	6.7	0.4
2000	2,178.5	73.5	1.7	82.9	54.7	120.4	149.5	101.6	61.1	32.0	6.6	0.3
1999	2,104.5	71.1	1.6	74.0	49.4	*	146.0	106.5	58.0	27.3	7.2	0.3
1998	2,043.5	69.7	1.8	76.2	51.7	*	146.7	88.7	61.9	25.8	7.2	0.4
1997	1,931.5	65.8	1.7	68.9	45.0	*	136.0	92.9	54.1	26.1	6.2	0.4
1996	1,965.0	66.5	1.9	76.5	48.6	*	133.7	95.6	54.3	25.2	5.6	*
1995	2,078.0	71.3	2.9	82.8	57.3	*	138.1	97.9	61.2	26.9	5.5	0.3
1994	2,341.5	78.2	3.1	99.6	68.8	*	169.0	103.8	59.5	27.5	5.6	0.2
1993	2,416.0	79.8	3.1	104.9	70.1	*	184.6	102.8	54.4	26.7	6.2	*
1992 ³	2,568.5	87.9	3.4	106.5	---	---	199.1	102.6	65.3	29.9	6.6	*
1991 ³	2,573.5	87.9	2.7	111.0	*	*	193.3	108.9	68.1	23.9	6.5	*
1990 ⁴	2,301.0	82.9	2.9	101.6	71.6	141.6	150.1	109.9	62.8	26.2	6.2	0.5
1989 ⁵	2,421.0	86.6	3.8	112.7	---	---	171.0	98.0	65.2	26.9	6.3	*
Cuban												
2004	1,732.5	53.2	*	*	*	*	*	*	*	*	*	*
2003	2,059.5	61.7	*	*	*	*	*	*	*	*	*	*
2002	1,940.5	59.0	*	*	*	*	*	*	*	*	*	*
2001	1,792.5	56.7	*	*	*	*	*	*	*	*	*	*
2000	1,528.0	49.3	*	23.5	14.2	43.4	64.2	104.0	68.1	37.3	7.9	*
1999	1,388.5	47.0	*	*	*	*	*	*	*	*	*	*
1998	1,402.5	46.5	*	*	*	*	*	*	*	*	*	*
1997	1,619.5	53.1	*	*	*	*	*	*	*	*	*	*
1996	1,617.0	55.1	*	*	*	*	*	*	*	*	*	*
1995	1,584.0	52.2	*	*	*	*	*	*	*	*	*	*
1994	1,587.0	53.6	*	*	*	*	*	*	*	*	*	*
1993	1,570.0	53.9	*	*	*	*	*	*	*	*	*	*
1992 ³	1,453.5	49.4	*	*	---	---	*	*	*	*	*	*
1991 ³	1,352.5	47.6	*	*	*	*	*	*	*	*	*	*
1990 ⁴	1,459.5	52.6	*	30.3	18.2	46.1	64.6	95.4	67.6	28.2	4.9	*
1989 ⁵	1,479.0	49.8	*	*	---	---	*	*	*	*	*	*
Other Hispanic⁶												
2004	2,648.0	89.3	1.1	57.7	32.7	96.4	136.2	144.4	114.2	60.0	15.2	0.8
2003	2,733.0	91.2	1.0	60.4	36.4	93.1	142.2	152.8	112.3	63.2	13.9	0.8
2002	2,610.5	86.1	1.1	63.0	34.7	110.3	143.3	147.2	98.4	56.1	12.2	0.8
2001	2,519.5	82.7	1.1	65.3	35.6	115.2	136.0	143.3	95.4	50.3	11.6	0.9
2000	2,563.5	85.1	1.2	69.9	44.4	102.0	133.2	143.9	103.6	47.7	12.5	0.7
1999	2,517.0	84.8	1.5	75.5	53.1	100.5	130.2	138.4	98.3	46.5	12.3	0.7
1998	2,448.5	83.5	1.8	75.0	53.3	100.3	122.7	133.6	97.8	45.4	12.8	0.6
1997	2,376.5	80.6	1.8	66.4	44.5	98.0	129.3	125.8	95.6	43.9	11.8	0.7
1996	2,516.5	84.2	2.2	64.8	43.4	95.6	149.6	127.9	98.0	49.1	11.0	0.7
1995	2,629.5	89.1	2.3	72.1	51.3	99.4	144.3	147.7	97.9	49.4	11.6	0.6
1994	2,693.0	93.2	2.5	82.6	62.7	105.0	151.2	137.0	104.4	48.4	11.9	0.6
1993	2,914.5	101.5	2.6	102.0	74.7	134.6	167.5	139.4	106.7	51.7	12.5	0.5
1992 ³	2,989.0	104.7	2.4	108.2	---	---	168.0	151.9	104.4	49.9	12.5	0.5
1991 ³	3,064.5	105.5	2.2	100.7	67.3	145.6	184.1	164.5	100.2	49.2	11.4	0.6
1990 ⁴	2,877.0	102.7	2.1	86.0	57.2	123.8	162.9	155.8	106.9	49.4	11.6	0.7
1989 ⁵	2,683.0	95.8	1.7	66.4	---	---	159.2	150.4	85.1	60.3	12.7	0.8

See footnotes at end of table.

Table 8. Total fertility rates, fertility rates, and birth rates, by age and Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 1989–2004—Con.

[Fertility rates are live births per 1,000 women aged 15–44 years in specified racial group, and birth rates are live births per 1,000 women in specified age group. Population enumerated as of April 1 for census years and estimated as of July 1 for all other years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5]

Year and origin or race of mother	Total fertility rate	Fertility rate ¹	10–14 years	Age of mother								
				15–19 years				20–24 years	25–29 years	30–34 years	35–39 years	40–44 years
				Total	15–17 years	18–19 years	20–24 years					
Non-Hispanic⁷												
Total⁸												
2004	1,891.0	60.5	0.5	33.3	16.7	58.1	89.0	108.7	93.6	44.1	8.5	0.5
2003	1,897.5	60.5	0.5	34.1	17.3	59.4	90.5	109.2	93.8	42.6	8.3	0.5
2002	1,877.0	59.6	0.6	35.5	18.2	61.8	91.8	107.9	90.8	40.4	7.9	0.5
2001	1,898.5	60.1	0.6	37.9	19.6	65.2	94.9	107.7	90.9	39.5	7.7	0.5
2000	1,931.5	61.1	0.7	40.7	21.9	68.2	99.5	108.4	90.2	38.8	7.6	0.4
1999	1,894.0	60.0	0.8	42.2	23.3	70.2	98.4	106.7	86.2	37.0	7.1	0.4
1998	1,887.5	60.0	0.8	44.0	25.2	72.4	98.9	105.8	84.4	36.2	7.0	0.4
1997	1,853.0	59.3	0.9	45.0	26.7	73.7	97.4	103.5	82.0	34.8	6.7	0.3
1996	1,852.0	59.6	1.0	47.0	28.4	75.8	97.3	103.6	80.8	33.9	6.5	0.3
1995	1,856.5	60.2	1.1	49.3	30.5	78.6	97.4	104.1	79.9	33.0	6.2	0.3
1994	1,883.5	61.6	1.2	51.7	32.3	81.4	99.5	106.5	79.1	32.4	6.0	0.3
1993	1,901.5	62.7	1.2	52.7	32.9	82.3	101.7	108.7	78.4	31.6	5.7	0.3
1992 ³	1,929.0	64.2	1.2	54.3	33.2	85.3	104.3	111.4	77.9	31.1	5.4	0.2
1991 ³	1,953.0	65.2	1.3	56.1	34.4	86.1	106.5	113.1	77.5	30.8	5.1	0.2
1990 ⁴	1,979.5	67.1	1.3	54.8	33.8	81.4	108.1	116.5	79.2	30.7	5.1	0.2
1989 ⁵	1,921.0	65.7	1.3	53.4	---	---	107.8	113.4	74.7	28.6	4.8	0.2
White												
2004	1,847.0	58.4	0.2	26.7	12.0	48.7	81.9	110.0	97.1	44.8	8.2	0.5
2003	1,856.5	58.5	0.2	27.4	12.4	50.0	83.5	110.8	97.6	43.2	8.1	0.5
2002	1,828.5	57.4	0.2	28.5	13.1	51.9	84.3	109.3	94.4	40.9	7.6	0.5
2001	1,843.0	57.7	0.3	30.3	14.0	54.8	87.1	108.9	94.3	39.8	7.5	0.4
2000	1,866.0	58.5	0.3	32.6	15.8	57.5	91.2	109.4	93.2	38.8	7.3	0.4
1999	1,838.5	57.7	0.3	34.1	17.1	59.4	90.6	108.6	89.5	37.3	6.9	0.4
1998	1,825.0	57.6	0.3	35.3	18.3	60.9	91.2	107.4	87.2	36.4	6.8	0.4
1997	1,785.5	56.8	0.4	36.0	19.3	62.1	90.0	104.8	84.3	34.8	6.5	0.3
1996	1,781.0	57.1	0.4	37.6	20.6	64.0	90.1	104.9	82.8	33.9	6.2	0.3
1995	1,777.5	57.5	0.4	39.3	22.0	66.2	90.2	105.1	81.5	32.8	5.9	0.3
1994	1,782.5	58.2	0.5	40.4	22.7	67.6	90.9	106.6	80.2	32.0	5.7	0.2
1993	1,786.0	58.9	0.5	40.7	22.7	67.7	92.2	108.2	79.0	31.0	5.4	0.2
1992 ³	1,803.5	60.0	0.5	41.7	22.7	69.8	93.9	110.6	78.3	30.4	5.1	0.2
1991 ³	1,822.5	60.9	0.5	43.4	23.6	70.6	95.7	112.1	77.7	30.2	4.7	0.2
1990 ⁴	1,850.5	62.8	0.5	42.5	23.2	66.6	97.5	115.3	79.4	30.0	4.7	0.2
1989 ⁵	1,770.0	60.5	0.4	39.9	---	---	94.7	111.7	75.0	27.8	4.3	0.2
Black												
2004	2,020.0	67.0	1.6	63.1	37.1	103.9	126.9	103.0	67.4	33.7	7.8	0.5
2003	2,027.5	67.1	1.6	64.7	38.7	105.3	128.1	102.1	67.4	33.4	7.7	0.5
2002	2,047.0	67.4	1.9	68.3	41.0	110.3	131.0	102.1	66.1	32.1	7.5	0.4
2001	2,104.5	69.1	2.1	73.5	44.9	116.7	137.2	102.1	66.2	32.1	7.3	0.4
2000	2,178.5	71.4	2.4	79.2	50.1	121.9	145.4	102.8	66.5	31.8	7.2	0.4
1999	2,134.0	69.9	2.6	81.0	51.7	123.9	142.1	99.8	63.9	30.6	6.5	0.3
1998	2,164.0	70.9	2.9	85.7	56.8	128.2	142.5	99.9	64.4	30.4	6.7	0.3
1997	2,137.5	70.3	3.2	88.3	60.7	131.0	138.8	97.2	63.6	29.6	6.5	0.3
1996	2,140.0	70.7	3.6	91.9	64.8	134.1	137.0	96.7	63.2	29.1	6.2	0.3
1995	2,186.5	72.8	4.2	97.2	70.4	139.2	137.8	98.5	64.4	28.8	6.1	0.3
1994	2,314.5	77.5	4.6	105.7	77.0	150.4	146.8	104.1	66.3	29.1	6.0	0.3
1993	2,412.5	81.5	4.6	110.5	81.1	154.6	154.5	109.2	68.1	29.4	5.9	0.3
1992 ³	2,482.5	84.5	4.8	114.7	82.9	161.1	160.8	112.8	68.4	29.1	5.7	0.2
1991 ³	2,532.0	87.0	4.9	118.2	86.1	162.2	164.8	115.1	68.9	28.7	5.6	0.2
1990 ⁴	2,547.5	89.0	5.0	116.2	84.9	157.5	165.1	118.4	70.2	28.7	5.6	0.3
1989 ⁵	2,424.0	84.8	5.2	111.9	---	---	156.3	113.8	65.7	26.3	5.3	0.3

--- Data not available.

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator or, for the Hispanic subgroups, fewer than 50 women for census years and 75,000 women for noncensus years in the denominator; see "Technical Notes." These guidelines for denominator size follow the suggestions of the U.S. Census Bureau.

¹Fertility rates computed by relating total births, regardless of age of mother, to women 15–44 years.

²Beginning 1997, rates computed by relating births to women aged 45–54 years to women aged 45–49 years.

³Excludes data for New Hampshire, which did not report Hispanic origin.

⁴Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

⁵Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.

⁶Includes Central and South American and other and unknown Hispanic.

⁷Includes origin not stated.

⁸Includes races other than white and black.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table 9. Fertility rates and birth rates by live-birth order and by race and Hispanic origin of mother: United States, 1980–2004

[Rates are live births per 1,000 women aged 15–44 years. Population enumerated as of April 1 for census years, and estimated as of July 1 for all other years. Figures for live-birth order not stated are distributed]

Year and race and Hispanic origin of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races ^{1,2}								
2004	66.3	26.4	21.4	11.2	4.4	1.6	0.9	0.3
2003	66.1	26.5	21.4	11.1	4.3	1.6	0.9	0.3
2002	64.8	25.8	21.1	10.9	4.3	1.5	0.9	0.3
2001	65.3	26.0	21.3	11.0	4.3	1.6	0.9	0.3
2000	65.9	26.5	21.4	11.0	4.2	1.6	0.9	0.3
1999	64.4	26.0	21.0	10.7	4.1	1.5	0.9	0.3
1998	64.3	25.9	21.0	10.6	4.1	1.5	0.9	0.3
1997	63.6	25.9	20.7	10.4	4.0	1.5	0.9	0.3
1996	64.1	26.3	20.7	10.4	4.0	1.5	0.9	0.3
1995	64.6	26.9	20.7	10.3	4.0	1.5	0.9	0.3
1994	65.9	27.1	21.2	10.6	4.1	1.6	0.9	0.3
1993	67.0	27.3	21.7	10.9	4.3	1.6	1.0	0.3
1992	68.4	27.6	22.2	11.2	4.4	1.7	1.0	0.3
1991	69.3	28.2	22.3	11.4	4.4	1.7	1.0	0.3
1990	70.9	29.0	22.8	11.7	4.5	1.7	1.0	0.3
1989	69.2	28.4	22.4	11.3	4.3	1.6	0.9	0.3
1988	67.3	27.6	22.0	10.9	4.1	1.5	0.9	0.3
1987	65.8	27.2	21.6	10.5	3.9	1.4	0.8	0.3
1986	65.4	27.2	21.6	10.3	3.8	1.4	0.8	0.3
1985	66.3	27.6	22.0	10.4	3.8	1.4	0.8	0.3
1984 ³	65.5	27.4	21.7	10.1	3.7	1.4	0.9	0.3
1983 ³	65.7	27.8	21.5	10.1	3.7	1.4	0.9	0.3
1982 ³	67.3	28.6	22.0	10.2	3.8	1.4	0.9	0.3
1981 ³	67.3	29.0	21.6	10.1	3.8	1.5	0.9	0.4
1980 ³	68.4	29.5	21.8	10.3	3.9	1.5	1.0	0.4
Non-Hispanic white ^{2,4}								
2004	58.4	24.1	19.6	9.4	3.3	1.1	0.6	0.2
2003	58.5	24.3	19.7	9.4	3.3	1.1	0.6	0.2
2002	57.4	23.5	19.5	9.3	3.3	1.1	0.6	0.2
2001	57.7	23.6	19.7	9.3	3.3	1.1	0.6	0.2
2000	58.5	24.2	19.8	9.4	3.3	1.1	0.6	0.2
1999	57.7	24.0	19.6	9.2	3.2	1.0	0.6	0.2
1998	57.6	23.8	19.7	9.2	3.1	1.0	0.6	0.2
1997	56.8	23.8	19.3	8.9	3.0	1.0	0.5	0.2
1996	57.1	24.1	19.3	8.9	3.0	1.0	0.5	0.2
1995	57.5	24.5	19.3	8.9	3.0	1.0	0.5	0.2
1994	58.2	24.6	19.7	9.1	3.1	1.0	0.5	0.2
1993	58.9	24.8	20.1	9.2	3.1	1.0	0.5	0.2
1992 ⁵	60.0	25.1	20.5	9.5	3.2	1.0	0.5	0.2
1991 ⁵	60.9	25.8	20.6	9.6	3.2	1.0	0.5	0.2
1990 ⁶	62.8	26.7	21.2	9.9	3.3	1.1	0.5	0.2
Non-Hispanic black ^{2,4}								
2004	67.0	25.5	19.4	11.9	5.6	2.5	1.7	0.5
2003	67.1	25.4	19.6	11.9	5.6	2.5	1.6	0.5
2002	67.4	25.3	19.7	12.0	5.6	2.5	1.7	0.5
2001	69.1	25.9	20.4	12.4	5.8	2.5	1.7	0.6
2000	71.4	26.7	21.2	12.8	5.9	2.6	1.8	0.6
1999	69.9	26.4	20.8	12.3	5.7	2.5	1.7	0.6
1998	70.9	27.0	21.0	12.3	5.7	2.6	1.8	0.6
1997	70.3	27.2	20.6	12.0	5.7	2.5	1.8	0.6
1996	70.7	27.6	20.5	12.0	5.6	2.6	1.8	0.6
1995	72.8	28.9	20.9	12.1	5.8	2.7	1.9	0.6
1994	77.5	30.0	22.4	13.2	6.3	2.9	2.0	0.6
1993	81.5	30.5	23.6	14.3	7.0	3.2	2.2	0.7
1992 ⁵	84.5	31.1	24.8	15.2	7.3	3.4	2.2	0.6
1991 ⁵	87.0	32.1	25.5	15.7	7.5	3.4	2.2	0.6
1990 ⁶	89.0	33.2	26.3	16.0	7.6	3.3	2.0	0.6

See footnotes at end of table.

Table 9. Fertility rates and birth rates by live-birth order and by race and Hispanic origin of mother: United States, 1980–2004—Con.

[Rates are live births per 1,000 women aged 15–44 years. Population enumerated as of April 1 for census years, and estimated as of July 1 for all other years. Figures for live-birth order not stated are distributed]

Year and race and Hispanic origin of mother	Fertility rate	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
Hispanic ⁷								
2004	97.8	35.1	29.9	19.1	8.4	3.2	1.7	0.4
2003	96.9	35.2	29.9	18.7	8.1	3.1	1.6	0.4
2002	94.4	34.6	29.0	17.9	7.9	3.0	1.6	0.4
2001	96.0	35.4	29.5	18.1	7.9	3.0	1.7	0.4
2000	95.9	35.8	29.2	18.0	7.7	3.0	1.7	0.4
1999	93.0	34.6	28.5	17.3	7.5	2.9	1.7	0.4
1998	93.2	34.8	28.5	17.2	7.6	3.0	1.7	0.4
1997	94.2	35.6	28.6	17.1	7.6	3.0	1.8	0.5
1996	97.5	37.2	29.4	17.4	7.8	3.2	1.9	0.5
1995	98.8	38.4	29.3	17.4	7.8	3.3	2.0	0.6
1994	100.7	39.0	29.7	17.6	8.2	3.4	2.1	0.6
1993	103.3	39.3	30.4	18.3	8.6	3.7	2.3	0.6
1992 ⁵	106.1	40.1	30.9	19.0	9.1	3.9	2.5	0.7
1991 ⁵	106.9	40.8	30.6	19.2	9.2	3.9	2.5	0.7
1990 ⁶	107.7	40.7	30.9	19.5	9.3	4.0	2.6	0.8

¹Includes races other than white and black.

²Includes origin not stated.

³Based on 100 percent of births in selected States and on a 50 percent sample of births in all other States; see "Technical Notes."

⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

⁵Excludes data for New Hampshire, which did not report Hispanic origin.

⁶Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

⁷Includes all persons of Hispanic origin of any race.

Table 10. Mean age of mother, by live-birth order and race and Hispanic origin of mother: United States, 1980–2004

[Mean age at birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of births by age of mother and live birth order. Live-birth order refers to number of children born alive to mother]

Year and race and Hispanic origin of mother	Total	Live-birth order						
		1	2	3	4	5	6 and 7	8 and over
All races¹								
2004	27.5	25.2	28.0	29.4	30.4	31.4	32.9	35.9
2003	27.4	25.2	28.0	29.3	30.4	31.4	33.0	35.8
2002	27.3	25.1	27.9	29.2	30.3	31.4	32.9	35.9
2001	27.3	25.0	27.8	29.2	30.3	31.4	32.9	35.9
2000	27.2	24.9	27.7	29.2	30.3	31.4	32.9	35.8
1995	26.9	24.5	27.5	29.1	30.1	31.2	32.6	35.4
1990	26.4	24.2	26.9	28.3	29.4	30.6	32.1	35.1
1985	25.8	23.7	26.3	27.9	29.3	30.6	32.5	35.7
1980 ²	25.0	22.7	25.4	27.3	29.0	30.6	32.7	36.0
Non-Hispanic white³								
2004	28.2	26.2	28.8	30.2	31.2	32.2	33.8	36.9
2003	28.2	26.2	28.8	30.1	31.2	32.3	33.9	37.0
2002	28.2	26.1	28.7	30.1	31.2	32.3	33.9	37.1
2001	28.1	26.0	28.6	30.1	31.3	32.4	33.9	37.0
2000	28.0	25.9	28.6	30.0	31.3	32.4	34.0	37.0
1995	27.6	25.4	28.3	29.9	31.2	32.4	33.9	36.7
1990 ⁴	27.1	25.0	27.6	29.1	30.3	31.6	33.2	36.2
Non-Hispanic black³								
2004	25.6	22.7	25.9	27.5	28.6	29.8	31.2	34.1
2003	25.6	22.7	25.9	27.5	28.6	29.7	31.3	34.0
2002	25.4	22.6	25.8	27.3	28.5	29.6	31.2	34.1
2001	25.3	22.4	25.7	27.2	28.3	29.6	31.2	34.1
2000	25.2	22.3	25.5	27.1	28.2	29.5	31.0	33.9
1995	24.8	21.9	25.3	27.0	28.0	29.3	30.8	33.2
1990 ⁴	24.4	21.7	24.6	26.3	27.4	28.7	30.3	33.3
Hispanic⁵								
2004	26.2	23.1	26.2	28.5	30.1	31.5	33.1	35.5
2003	26.1	23.1	26.1	28.4	30.0	31.4	33.1	35.4
2002	26.0	23.0	26.0	28.3	29.9	31.4	33.1	35.7
2001	25.9	22.8	25.9	28.2	29.9	31.4	33.1	35.7
2000	25.7	22.7	25.8	28.1	29.8	31.3	33.0	35.5
1995	25.4	22.4	25.5	27.8	29.6	31.1	32.8	35.5
1990 ⁴	25.3	22.4	25.2	27.4	29.1	30.6	32.3	35.3

¹Includes races other than white and black and origin not stated.

²Based on 100 percent of births in selected States and on a 50 percent sample of births in all other States; see "Technical Notes."

³Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

⁴Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.

⁵Includes all persons of Hispanic origin of any race.

Table 11. Number of births, birth rates, fertility rates, total fertility rates, and birth rates for teenagers 15–19 years, by age of mother: United States, each state and territory, 2004

[By place of residence. Birth rates are live births per 1,000 estimated population in each area; fertility rates are live births per 1,000 women aged 15–44 years estimated in each area; total fertility rates are sums of birth rates for 5-year age groups multiplied by 5; birth rates by age are live births per 1,000 women in specified age group estimated in each area. Populations estimated as of July 1]

State	Number of births	Birth rate	Fertility rate	Total fertility rate	Teenage birth rate		
					15–19 years		
					Total	15–17 years	18–19 years
United States ¹	4,112,052	14.0	66.3	2,045.5	41.1	22.1	70.0
Alabama	59,510	13.1	62.4	1,906.5	52.4	29.1	86.5
Alaska	10,338	15.8	74.4	2,422.0	38.9	17.2	71.9
Arizona	93,663	16.3	79.5	2,384.5	60.1	35.6	98.4
Arkansas	38,573	14.0	68.3	2,073.5	60.3	30.7	104.1
California	544,843	15.2	70.4	2,150.5	39.5	21.2	67.9
Colorado	68,503	14.9	68.8	2,090.0	43.9	25.1	73.0
Connecticut	42,095	12.0	58.8	1,904.5	24.4	12.8	42.4
Delaware	11,369	13.7	63.8	1,973.0	43.5	25.5	70.0
District of Columbia	7,933	14.3	58.2	1,735.5	66.7	42.4	102.7
Florida	218,053	12.5	64.1	2,020.0	42.4	22.1	73.8
Georgia	138,849	15.7	70.1	2,145.5	53.4	29.3	90.8
Hawaii	18,281	14.5	74.0	2,301.5	36.1	18.5	61.8
Idaho	22,532	16.2	77.3	2,336.5	38.6	16.6	70.5
Illinois	180,778	14.2	66.7	2,039.0	40.2	22.8	66.6
Indiana	87,142	14.0	67.0	2,059.5	43.5	20.9	78.1
Iowa	38,438	13.0	63.8	1,981.5	31.6	15.1	54.5
Kansas	39,669	14.5	69.8	2,140.0	40.7	20.7	69.2
Kentucky	55,720	13.4	63.6	1,960.0	49.2	23.9	86.6
Louisiana	65,369	14.5	66.7	2,002.0	56.2	30.2	93.1
Maine	13,944	10.6	52.4	1,752.0	24.3	10.6	44.4
Maryland	74,628	13.4	62.3	1,978.0	32.4	18.0	54.9
Massachusetts	78,484	12.2	56.5	1,719.5	22.3	11.7	38.3
Michigan	129,776	12.8	61.4	1,926.5	34.1	17.7	59.2
Minnesota	70,624	13.8	64.5	2,029.0	26.7	13.6	45.5
Mississippi	42,827	14.8	68.3	2,033.5	61.9	33.9	102.6
Missouri	77,765	13.5	64.3	1,986.0	43.4	22.0	74.6
Montana	11,519	12.4	62.7	1,996.0	35.8	17.7	60.9
Nebraska	26,332	15.1	72.6	2,225.0	35.9	18.2	60.5
Nevada	35,200	15.1	72.6	2,216.0	51.1	27.7	88.4
New Hampshire	14,565	11.2	53.4	1,792.5	18.2	7.8	34.4
New Jersey	115,253	13.2	64.2	2,040.0	24.1	12.5	42.7
New Mexico	28,384	14.9	71.9	2,199.5	60.8	38.3	93.5
New York	249,947	13.0	60.7	1,863.0	26.9	14.2	46.1
North Carolina	119,847	14.0	66.0	2,027.5	48.8	26.1	84.5
North Dakota	8,189	12.9	63.2	1,948.5	27.2	11.1	48.2
Ohio	148,954	13.0	62.7	1,957.0	38.5	19.2	67.2
Oklahoma	51,306	14.6	70.3	2,107.0	55.6	29.8	91.9
Oregon	45,678	12.7	61.8	1,871.0	33.3	16.3	59.1
Pennsylvania	144,748	11.7	58.0	1,848.0	30.5	16.6	51.6
Rhode Island	12,779	11.8	55.0	1,711.0	32.9	17.1	56.7
South Carolina	56,590	13.5	63.6	1,946.0	52.1	28.8	87.8
South Dakota	11,338	14.7	72.4	2,260.0	38.5	17.4	68.8
Tennessee	79,642	13.5	63.4	1,957.5	52.1	26.7	89.5
Texas	381,293	17.0	77.3	2,335.5	62.6	37.1	101.1
Utah	50,670	21.2	92.3	2,544.5	34.0	15.5	60.2
Vermont	6,599	10.6	52.1	1,720.5	20.9	8.2	40.1
Virginia	103,933	13.9	65.0	2,026.5	35.2	17.5	61.8
Washington	81,747	13.2	61.7	1,907.5	31.3	15.7	54.1
West Virginia	20,880	11.5	58.3	1,795.5	43.8	21.4	76.4
Wisconsin	70,146	12.7	60.7	1,927.5	30.2	15.1	51.9
Wyoming	6,807	13.4	66.5	2,050.0	42.7	19.4	74.4
Puerto Rico	51,127	13.1	59.9	1,772.5	61.7	41.5	92.0
Virgin Islands	1,574	14.5	69.7	2,253.5	52.7	24.4	115.2
Guam	3,410	20.5	91.9	2,779.5	62.6	37.1	103.1
American Samoa	1,714	29.6	132.4	4,140.0	45.8	20.2	91.5
Northern Marianas	1,355	17.3	43.6	1,229.0	39.3	26.0	55.7

¹Excludes data for the territories.

Table 12. Live births by race of mother: United States, each state and territory, 2004

[By place of residence]

State	Number				
	All races	White	Black	American Indian or Alaska Native ¹	Asian or Pacific Islander
United States ²	4,112,052	3,222,928	616,074	43,927	229,123
Alabama	59,510	40,525	18,043	179	763
Alaska	10,338	6,586	397	2,590	765
Arizona	93,663	81,163	3,429	6,273	2,798
Arkansas	38,573	30,343	7,387	245	598
California	544,843	441,330	32,049	2,976	68,488
Colorado	68,503	62,497	2,930	597	2,479
Connecticut	42,095	34,450	5,279	250	2,116
Delaware	11,369	7,974	2,907	33	455
District of Columbia	7,933	2,301	5,394	9	229
Florida	218,053	157,719	52,756	741	6,837
Georgia	138,849	89,767	44,003	275	4,804
Hawaii	18,281	5,179	573	67	12,462
Idaho	22,532	21,714	110	399	309
Illinois	180,778	140,332	31,031	299	9,116
Indiana	87,142	75,847	9,634	117	1,544
Iowa	38,438	35,724	1,478	251	985
Kansas	39,669	35,172	2,842	499	1,156
Kentucky	55,720	49,869	4,924	99	828
Louisiana	65,369	37,126	26,721	426	1,096
Maine	13,944	13,381	225	116	222
Maryland	74,628	43,939	25,715	169	4,805
Massachusetts	78,484	63,965	8,710	164	5,645
Michigan	129,776	101,745	22,613	710	4,708
Minnesota	70,624	57,987	6,624	1,546	4,467
Mississippi	42,827	23,526	18,520	315	466
Missouri	77,765	64,135	11,456	383	1,791
Montana	11,519	9,822	53	1,519	125
Nebraska	26,332	23,704	1,573	449	606
Nevada	35,200	29,044	2,964	531	2,661
New Hampshire	14,565	13,766	256	24	519
New Jersey	115,253	84,397	19,794	174	10,888
New Mexico	28,384	23,852	502	3,620	410
New York	249,947	178,145	49,544	692	21,566
North Carolina	119,847	87,414	27,618	1,577	3,238
North Dakota	8,189	7,017	96	975	101
Ohio	148,954	121,351	23,875	311	3,417
Oklahoma	51,306	40,064	4,706	5,402	1,134
Oregon	45,678	41,234	1,061	874	2,509
Pennsylvania	144,748	115,995	22,797	332	5,624
Rhode Island	12,779	10,871	1,197	165	546
South Carolina	56,590	35,788	19,613	219	970
South Dakota	11,338	9,198	147	1,873	120
Tennessee	79,642	60,406	17,403	162	1,671
Texas	381,293	324,638	42,341	863	13,451
Utah	50,670	48,015	435	689	1,531
Vermont	6,599	6,416	59	12	112
Virginia	103,933	73,966	22,906	151	6,910
Washington	81,747	67,165	4,056	2,138	8,388
West Virginia	20,880	20,018	672	19	171
Wisconsin	70,146	59,988	6,601	1,110	2,447
Wyoming	6,807	6,358	55	318	76
Puerto Rico	51,127	46,399	4,702	---	---
Virgin Islands	1,574	383	1,161	5	25
Guam	3,410	272	32	6	3,100
American Samoa	1,714	4	—	—	1,710
Northern Marianas	1,355	20	—	—	1,335

--- Data not available.

— Quantity zero.

¹Includes births to Aleuts and Eskimos.²Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 13. Live births by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, each state and territory, 2004

[By place of residence]

State	All origins	Origin of mother									
		Hispanic			Non-Hispanic			Total ¹	White	Black	
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic				
United States ²	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683	578,772	32,578
Alabama	59,510	3,364	2,504	103	22	339	396	56,098	37,209	17,972	48
Alaska	10,338	877	327	72	10	62	406	8,266	5,130	300	1,195
Arizona	93,663	41,422	38,910	300	53	884	1,275	50,490	39,632	2,821	1,751
Arkansas	38,573	3,508	2,924	33	6	515	30	34,951	26,797	7,343	114
California	544,843	275,201	240,669	2,025	688	26,586	5,233	261,830	162,716	30,478	7,812
Colorado	68,503	21,740	17,374	280	69	730	3,287	46,751	41,192	2,799	12
Connecticut	42,095	7,600	1,000	4,149	67	2,145	239	34,367	27,132	4,910	128
Delaware	11,369	1,523	861	285	8	354	15	9,772	6,442	2,852	74
District of Columbia	7,933	998	123	15	6	819	35	6,902	2,007	4,691	33
Florida	218,053	58,528	14,609	9,993	10,571	21,695	1,660	158,919	105,218	47,019	606
Georgia	138,849	20,112	15,744	644	145	3,405	174	116,538	68,603	43,154	2,199
Hawaii	18,281	2,680	493	732	14	108	1,333	15,571	4,319	483	30
Idaho	22,532	3,241	2,779	2	—	6	454	19,006	18,296	90	285
Illinois	180,778	42,655	36,096	2,616	195	1,737	2,011	138,022	97,915	30,732	101
Indiana	87,142	7,244	6,318	253	24	536	113	79,550	68,352	9,579	348
Iowa	38,438	2,835	2,245	50	7	423	110	35,498	32,859	1,459	105
Kansas	39,669	5,474	4,538	97	25	325	489	33,651	29,275	2,764	544
Kentucky	55,720	2,195	1,548	116	102	214	215	53,488	47,894	4,740	37
Louisiana	65,369	1,952	852	108	75	113	804	63,299	35,198	26,625	118
Maine	13,944	180	33	29	4	43	71	13,694	13,143	217	70
Maryland	74,628	7,634	1,624	416	75	5,144	375	66,921	38,069	24,152	73
Massachusetts	78,484	9,839	518	4,299	67	4,728	227	68,088	55,662	6,713	557
Michigan	129,776	7,827	6,390	410	70	513	444	118,411	91,117	22,240	3,538
Minnesota	70,624	5,336	4,024	120	28	776	388	64,297	53,344	5,569	991
Mississippi	42,827	1,108	725	28	12	87	256	41,682	22,419	18,491	37
Missouri	77,765	3,845	2,885	119	46	284	511	73,841	60,455	11,278	79
Montana	11,519	373	182	13	2	24	152	10,967	9,303	47	179
Nebraska	26,332	3,450	2,712	36	12	515	175	22,214	19,657	1,536	668
Nevada	35,200	13,054	10,855	274	197	1,252	476	21,782	15,994	2,807	364
New Hampshire	14,565	463	125	132	7	154	45	13,596	12,881	190	506
New Jersey	115,253	27,323	5,931	6,742	757	13,686	207	87,772	59,953	16,936	158
New Mexico	28,384	15,158	7,427	78	43	132	7,478	13,224	8,856	451	2
New York	249,947	56,834	10,748	14,328	499	26,799	4,460	192,439	128,426	42,437	674
North Carolina	119,847	17,295	13,078	744	135	3,173	165	102,457	70,256	27,430	95
North Dakota	8,189	167	103	9	3	15	37	7,791	6,633	91	231
Ohio	148,954	5,719	3,143	1,197	54	848	477	142,476	116,343	22,572	759
Oklahoma	51,306	6,007	5,519	129	19	276	64	45,140	34,201	4,628	159
Oregon	45,678	8,850	8,123	103	38	379	207	36,669	32,449	1,024	159
Pennsylvania	144,748	11,588	2,592	6,029	165	1,700	1,102	131,404	106,894	19,225	1,756
Rhode Island	12,779	2,430	178	680	12	1,460	100	8,584	6,933	1,010	1,765
South Carolina	56,590	4,335	3,032	250	35	672	346	52,176	32,811	18,311	79
South Dakota	11,338	395	252	16	6	83	38	10,933	8,862	140	10
Tennessee	79,642	5,838	4,128	219	37	807	647	73,681	56,330	15,741	123
Texas	381,293	188,214	167,648	1,131	312	10,392	8,731	192,026	136,303	41,664	1,053
Utah	50,670	7,179	5,347	92	24	745	971	43,209	40,702	390	282
Vermont	6,599	75	18	23	6	15	13	6,449	6,270	57	75
Virginia	103,933	11,690	3,327	691	92	6,812	768	92,104	62,988	22,280	139
Washington	81,747	14,255	11,723	309	57	624	1,542	65,143	53,500	3,108	2,349
West Virginia	20,880	151	73	10	5	31	32	20,685	19,831	669	44
Wisconsin	70,146	5,888	4,612	684	37	345	210	64,214	54,239	6,503	44
Wyoming	6,807	700	632	8	—	10	50	6,087	5,673	54	20
Puerto Rico	51,127	—	—	—	—	—	—	—	—	—	51,127
Virgin Islands	1,574	349	1	81	1	113	153	1,157	118	1,010	68
Guam	3,410	51	22	15	—	7	7	3,309	237	28	50
American Samoa	1,714	—	—	—	—	—	—	—	—	—	1,714
Northern Marianas	1,355	—	—	—	—	—	—	—	—	—	1,355

— Quantity zero.

--- Data not available.

¹Includes races other than white and black.²Excludes data for the territories.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data in 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes."

Table 14. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by race of mother: United States, 2004

[Birth rates are live births per 1,000 population. Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Populations estimated as of July 1. Mean age at first birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of first births by age of mother]

Characteristic	All races	White	Black	American Indian or Alaska Native ¹	Asian or Pacific Islander
Number					
Births	4,112,052	3,222,928	616,074	43,927	229,123
Rate					
Birth rate	14.0	13.5	16.0	14.0	16.8
Fertility rate	66.3	66.1	67.6	58.9	67.1
Total fertility rate	2,045.5	2,054.5	2,032.5	1,734.5	1,897.5
Sex ratio ²	1,048	1,050	1,039	1,030	1,058
Percent					
All births					
Births to mothers under 20 years	10.3	9.3	17.1	17.9	3.4
4th- and higher-order births	11.0	10.4	15.1	19.5	6.4
Births to unmarried mothers	35.8	30.5	68.8	62.3	15.5
Mothers born in the 50 states and DC	75.8	78.0	84.4	94.7	17.3
Mean					
Age of mother at first birth	25.2	25.4	22.7	21.8	28.4

¹Includes births to Aleuts and Eskimos.

²Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 15. Total number of births, rates (birth, fertility, and total fertility), and percentage of births with selected demographic characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2004

[Birth rates are live births per 1,000 population. Fertility rates are computed by relating total births, regardless of age of mother, to women aged 15–44 years. Total fertility rates are sums of birth rates for 5-year age groups multiplied by 5. Populations estimated as of July 1. Mean age at first birth is the arithmetic average of the age of mothers at the time of the birth, computed directly from the frequency of first births by age of mother]

Characteristic	All origins ¹	Hispanic					Non-Hispanic		
		Total	Mexican	Puerto Rican	Central and South American	Other and unknown Hispanic	Total ²	White	Black
Number									
Births	4,112,052	946,349	677,621	61,221	14,943	143,520	49,044	3,133,125	2,296,683
Rate									
Birth rate ³	14.0	22.9	24.9	16.1	9.3	22.2	(3)	12.5	11.6
Fertility rate ³	66.3	97.8	106.8	68.4	53.2	89.3	(3)	60.5	58.4
Total fertility rate ³	2,045.5	2,824.5	3,021.0	2,056.5	1,732.5	2,648.0	(3)	1,891.0	1,847.0
Sex ratio ⁴	1,048	1,042	1,039	1,056	1,082	1,046	1,048	1,050	1,053
All births									
Births to mothers under 20 years	10.3	14.3	15.3	17.6	7.8	8.4	16.2	9.1	7.4
4th- and higher-order births	11.0	14.0	15.1	12.4	5.1	10.8	11.9	10.1	8.9
Births to unmarried mothers	35.8	46.4	45.2	61.0	33.2	47.6	46.6	32.5	24.5
Mothers born in the 50 states and DC	75.8	36.8	36.4	67.4	47.1	12.7	73.4	87.5	94.2
Mean									
Age of mother at first birth	25.2	23.1	22.5	22.8	26.8	25.2	23.3	25.8	26.2

¹Includes origin not stated.

²Includes races other than white and black.

³Rates for Central and South American include other and unknown Hispanic.

⁴Male live births per 1,000 female live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table 16. Live births and observed and seasonally adjusted birth and fertility rates, by month: United States, 2004

[Rates on an annual basis per 1,000 population for specified month. Birth rates are live births per 1,000 total population. Fertility rates are live births per 1,000 women aged 15–44 years. Monthly populations estimated as of the first of each month]

Month	Number	Observed		Seasonally adjusted ¹	
		Birth rate	Fertility rate	Birth rate	Fertility rate
Total	4,112,052	14.0	66.3
January	332,907	13.4	63.3	14.0	66.1
February	315,821	13.6	64.3	13.9	65.7
March	346,348	13.9	65.8	14.2	67.3
April	333,335	13.8	65.4	14.1	66.6
May	337,651	13.6	64.1	13.6	64.4
June	344,881	14.3	67.7	14.4	68.0
July	359,426	14.4	68.2	13.9	65.7
August	355,408	14.2	67.4	13.7	65.0
September	356,033	14.7	69.8	14.0	66.3
October	348,466	13.9	66.1	13.9	65.7
November	335,704	13.9	65.8	14.3	67.8
December	346,072	13.8	65.6	14.1	67.2

... Category not applicable.

¹The method of seasonal adjustment, developed by the U.S. Bureau of the Census, is described in *The X11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15 (1967 revision).

Table 17. Live births by day of week and index of occurrence by method of delivery: United States, 2004

Day of week and race of mother	Average number of births	Total ²	Index of occurrence ¹			
			Method of delivery			
			Cesarean			
Total	11,235	100.0	100.0	100.0	100.0	100.0
Sunday	7,501	66.8	74.4	48.6	58.2	32.7
Monday	11,715	104.3	101.5	110.9	101.4	126.7
Tuesday	13,045	116.1	112.7	124.3	120.4	130.5
Wednesday	12,858	114.4	111.7	121.0	119.0	124.4
Thursday	12,638	112.5	110.4	117.4	115.9	119.8
Friday	12,345	109.9	106.0	119.3	114.3	127.6
Saturday	8,496	75.6	83.0	57.8	70.3	37.3

¹Index is the ratio of the average number of births by a specified method of delivery on a given day of the week to the average daily number of births by a specified method of delivery for the year, multiplied by 100.

²Includes method of delivery not stated.

Table 18. Number, birth rate, and percentage of births to unmarried women by age, race, and Hispanic origin of mother: United States, 2004

Measure and age of mother	All races ¹	White		Black		American Indian or Alaska Native ^{2,3}	Asian or Pacific Islander ²	Hispanic ⁴
		Total ²	Non-Hispanic	Total ²	Non-Hispanic			
Number								
All ages	1,470,189	983,459	562,539	423,950	400,980	27,376	35,404	439,541
Under 15 years	6,603	3,573	1,425	2,811	2,715	136	83	2,254
15–19 years	342,188	230,758	131,620	98,828	93,940	6,854	5,748	103,258
15 years	17,416	10,803	4,656	6,012	5,733	357	244	6,410
16 years	38,310	25,050	11,728	11,721	11,140	863	676	13,884
17 years	65,222	44,208	23,630	18,626	17,662	1,305	1,083	21,398
18 years	96,935	66,077	38,798	27,349	25,950	1,904	1,605	28,398
19 years	124,305	84,620	52,808	35,120	33,455	2,425	2,140	33,168
20–24 years	566,381	379,427	231,090	164,645	156,394	10,627	11,682	155,010
25–29 years	307,576	203,848	109,471	89,601	84,359	5,506	8,621	98,681
30–34 years	155,275	103,586	53,222	43,259	40,372	2,685	5,745	52,760
35–39 years	72,194	48,614	27,303	19,647	18,367	1,235	2,698	22,183
40 years and over	19,972	13,653	8,408	5,159	4,833	333	827	5,395
Rate per 1,000 unmarried women in specified group								
15–44 years ⁵	46.1	41.6	29.4	67.2	---	---	23.6	95.7
15–19 years	34.7	30.1	21.2	61.7	---	---	13.3	67.9
15–17 years	20.1	17.1	10.7	37.0	---	---	7.7	43.3
18–19 years	57.7	50.4	37.5	100.9	---	---	21.6	110.1
20–24 years	72.5	64.1	48.0	119.8	---	---	27.9	138.6
25–29 years	68.6	63.9	43.3	91.8	---	---	33.2	143.4
30–34 years	47.0	45.7	29.6	52.0	---	---	35.4	109.6
35–39 years	23.5	22.6	15.6	25.8	---	---	20.7	56.8
40–44 years ⁶	6.0	5.6	4.1	6.8	---	---	8.6	13.8
Percent of births to unmarried women								
All ages	35.8	30.5	24.5	68.8	69.3	62.3	15.5	46.4
Under 15 years	97.4	95.9	96.5	99.4	99.5	97.8	92.2	95.7
15–19 years	82.4	77.7	78.0	96.1	96.6	89.0	75.3	77.6
15 years	95.3	93.1	94.9	99.6	99.7	97.0	92.8	92.0
16 years	91.5	88.4	89.8	98.9	99.1	95.7	88.5	87.4
17 years	88.3	84.7	86.7	98.2	98.5	93.5	83.2	82.8
18 years	82.7	78.1	79.6	96.5	96.9	88.4	75.5	76.4
19 years	75.8	70.3	70.6	93.4	94.0	84.1	67.3	70.3
20–24 years	54.8	48.1	44.7	82.2	82.9	70.2	38.1	55.4
25–29 years	27.8	23.1	17.3	60.6	61.1	51.4	13.3	38.8
30–34 years	16.1	13.3	8.8	43.7	43.6	41.4	7.2	29.7
35–39 years	15.2	12.6	9.0	39.3	39.1	41.2	7.2	27.4
40 years and over	18.2	15.6	12.1	39.5	39.3	44.1	9.9	29.9

---Data not available.

¹Includes races other than white and black and origin not stated.²Race and Hispanic origin are reported separately on the birth certificate. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."³Includes births to Aleuts and Eskimos.⁴Includes all persons of Hispanic origin of any race.⁵Birth rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.⁶Birth rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.

NOTES: For the 48 states and the District of Columbia, marital status is reported in the birth registration process; for Michigan and New York, mother's marital status is inferred; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary populations are not available.

Table 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	15–44 years ¹	Age of mother							
		15–19 years							
		Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years ²
All races ³									
2004 ⁴	46.1	34.7	20.1	57.7	72.5	68.6	47.0	23.5	6.0
2003 ⁴	44.9	34.8	20.3	57.6	71.2	65.7	44.0	22.3	5.8
2002 ⁴	43.7	35.4	20.8	58.6	70.5	61.5	40.8	20.8	5.4
2001 ⁴	43.8	37.0	22.0	60.6	71.3	59.5	40.4	20.4	5.3
2000 ⁴	44.1	39.0	23.9	62.2	72.2	58.5	39.3	19.7	5.0
1999 ⁴	43.3	39.7	25.0	62.3	70.8	56.9	38.1	19.0	4.6
1998 ⁴	43.3	40.9	26.5	63.6	70.4	55.4	38.1	18.7	4.6
1997 ⁴	42.9	41.4	27.7	63.9	68.9	53.4	37.9	18.7	4.6
1996 ⁴	43.8	42.2	28.5	64.9	68.9	54.5	40.2	19.9	4.8
1995 ⁴	44.3	43.8	30.1	66.5	68.7	54.3	38.9	19.3	4.7
1994 ⁴	46.2	45.8	31.7	69.1	70.9	57.4	39.6	19.7	4.7
1993 ⁴	44.8	44.0	30.3	66.2	68.5	55.9	38.0	18.9	4.4
1992 ⁴	44.9	44.2	30.2	66.7	67.9	55.6	37.6	18.8	4.1
1991 ⁴	45.0	44.6	30.8	65.4	67.8	56.0	37.9	17.9	3.8
1990 ⁴	43.8	42.5	29.6	60.7	65.1	56.0	37.6	17.3	3.6
1989 ⁴	41.6	40.1	28.7	56.0	61.2	52.8	34.9	16.0	3.4
1988 ⁴	38.5	36.4	26.4	51.5	56.0	48.5	32.0	15.0	3.2
1987 ⁴	36.0	33.8	24.5	48.9	52.6	44.5	29.6	13.5	2.9
1986 ⁴	34.2	32.3	22.8	48.0	49.3	42.2	27.2	12.2	2.7
1985 ⁴	32.8	31.4	22.4	45.9	46.5	39.9	25.2	11.6	2.5
1984 ^{4,5}	31.0	30.0	21.9	42.5	43.0	37.1	23.3	10.9	2.5
1983 ^{4,5}	30.3	29.5	22.0	40.7	41.8	35.5	22.4	10.2	2.6
1982 ^{4,5}	30.0	28.7	21.5	39.6	41.5	35.1	21.9	10.0	2.7
1981 ^{4,5}	29.5	27.9	20.9	39.0	41.1	34.5	20.8	9.8	2.6
1980 ^{4,5}	29.4	27.6	20.6	39.0	40.9	34.0	21.1	9.7	2.6
1980 ^{5,6}	28.4	27.5	20.7	38.7	39.7	31.4	18.5	8.4	2.3
1975 ^{5,6}	24.5	23.9	19.3	32.5	31.2	27.5	17.9	9.1	2.6
1970 ^{6,7}	26.4	22.4	17.1	32.9	38.4	37.0	27.1	13.6	3.5
White total									
2004 ⁴	41.6	30.1	17.1	50.4	64.1	63.9	45.7	22.6	5.6
2003 ⁴	40.4	30.1	17.2	50.4	63.0	60.8	42.0	21.2	5.5
2002 ⁴	38.9	30.4	17.5	51.0	61.6	56.8	38.3	19.4	5.0
2001 ⁴	38.5	31.3	18.1	52.1	61.8	54.6	37.2	18.6	4.9
2000 ⁴	38.2	32.7	19.7	53.1	61.7	52.9	35.9	17.9	4.5
1999 ⁴	37.4	33.2	20.6	52.9	60.2	50.8	34.9	17.4	4.1
1998 ⁴	36.9	33.6	21.5	53.1	59.5	48.6	34.1	16.9	4.1
1997 ⁴	36.3	33.6	22.0	52.9	57.9	47.0	33.6	16.6	3.9
1996 ⁴	37.0	34.0	22.3	53.5	57.9	48.1	35.4	17.7	4.3
1995 ⁴	37.0	35.0	23.3	54.7	57.2	47.4	33.7	16.8	4.2
1994 ⁴	37.8	35.8	23.9	55.8	57.5	48.6	33.8	17.2	4.3
1993 ⁴	35.6	33.3	21.9	52.0	53.8	46.0	31.9	16.3	3.9
1992 ⁴	35.0	32.7	21.4	51.2	52.4	44.8	31.3	16.1	3.6
1991 ⁴	34.5	32.7	21.7	49.4	51.4	44.3	30.9	15.2	3.2
1990 ⁴	32.9	30.6	20.4	44.9	48.2	43.0	29.9	14.5	3.2
1989 ⁴	30.2	28.0	19.3	40.2	43.8	39.1	26.8	13.1	2.9
1988 ⁴	27.4	25.3	17.6	36.8	39.2	35.4	24.2	12.1	2.7
1987 ⁴	25.3	23.2	16.2	34.5	36.6	32.0	22.3	10.7	2.4
1986 ⁴	23.9	21.8	14.9	33.5	34.2	30.5	20.1	9.7	2.2
1985 ⁴	22.5	20.8	14.5	31.2	31.7	28.5	18.4	9.0	2.0
1984 ^{4,5}	20.6	19.3	13.7	27.9	28.5	25.5	16.8	8.4	2.0
1983 ^{4,5}	19.8	18.7	13.6	26.4	27.1	23.8	15.9	7.8	2.0
1982 ^{4,5}	19.3	18.0	13.1	25.3	26.5	23.1	15.3	7.4	2.1
1981 ^{4,5}	18.6	17.2	12.6	24.6	25.8	22.3	14.2	7.2	1.9
1980 ^{4,5}	18.1	16.5	12.0	24.1	25.1	21.5	14.1	7.1	1.8

See footnotes at end of table.

Table 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004—Con.

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	15–44 years ¹	Age of mother							
		15–19 years							
		Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years ²
Non-Hispanic white									
2004 ⁴	29.4	21.2	10.7	37.5	48.0	43.3	29.6	15.6	4.1
2003 ⁴	28.6	21.5	11.0	37.9	47.2	40.8	27.8	14.7	4.1
2002 ⁴	27.8	22.1	11.5	38.8	46.1	38.5	26.0	13.5	3.7
2001 ⁴	27.8	23.1	12.1	40.3	46.4	37.5	25.4	13.2	3.6
2000 ⁴	28.0	24.7	13.6	42.1	47.0	36.9	24.8	12.9	3.3
1999 ⁴	27.9	25.6	14.6	42.7	46.3	36.2	24.8	13.0	3.1
1998 ⁴	27.9	26.2	15.5	43.1	46.3	35.4	25.0	13.1	3.1
1997 ⁴	27.5	26.4	16.2	43.3	44.8	34.4	24.9	12.7	2.9
1996 ⁴	28.2	27.0	16.9	43.9	44.5	35.0	26.4	13.8	3.3
1995 ⁴	28.1	27.7	17.6	44.6	43.9	34.4	25.1	12.9	3.2
1994 ⁴	28.4	28.1	17.9	45.0	43.8	34.7	24.6	12.8	3.1
1993 ⁴	---	---	---	---	---	---	---	---	---
1992 ⁴	---	---	---	---	---	---	---	---	---
1991 ⁴	---	---	---	---	---	---	---	---	---
1990 ^{4,8}	24.4	25.0	16.2	37.0	36.4	30.3	20.5	6.1	---
Black total									
2004 ⁴	67.2	61.7	37.0	100.9	119.8	91.8	52.0	25.8	6.8
2003 ⁴	66.3	62.2	38.1	100.4	118.0	90.4	51.2	25.3	6.5
2002 ⁴	66.2	64.8	39.9	104.1	119.2	85.9	49.9	24.9	6.3
2001 ⁴	68.1	69.9	43.8	110.2	122.8	84.1	51.1	25.4	6.3
2000 ⁴	70.5	75.0	48.3	115.0	129.0	85.9	50.2	25.4	6.3
1999 ⁴	69.7	76.5	50.0	115.8	126.8	85.5	49.0	24.2	5.8
1998 ⁴	71.6	81.5	55.0	121.5	127.8	86.5	50.5	24.3	6.0
1997 ⁴	71.5	84.5	59.0	124.8	124.2	81.4	51.0	24.3	6.5
1996 ⁴	72.8	87.5	62.6	127.2	122.6	81.2	53.4	25.2	6.1
1995 ⁴	74.5	91.2	67.4	129.2	124.6	82.3	53.3	25.3	6.0
1994 ⁴	80.8	99.3	73.9	139.6	135.2	91.3	56.5	26.0	5.9
1993 ⁴	83.0	101.2	75.9	140.0	139.9	92.8	56.7	25.7	5.8
1992 ⁴	85.7	104.8	77.2	146.4	142.6	96.8	57.3	25.6	5.4
1991 ⁴	89.0	107.8	79.9	147.7	146.4	100.0	59.8	25.5	5.4
1990 ⁴	90.5	106.0	78.8	143.7	144.8	105.3	61.5	25.5	5.1
1989 ⁴	90.7	104.5	78.9	140.9	142.4	102.9	60.5	24.9	5.0
1988 ⁴	86.5	96.1	73.5	130.5	133.6	97.2	57.4	24.1	5.0
1987 ⁴	82.6	90.9	69.9	123.0	126.1	91.6	53.1	22.4	4.7
1986 ⁴	79.0	88.5	67.0	121.1	118.0	84.6	50.0	20.6	4.4
1985 ⁴	77.0	87.6	66.8	117.9	113.1	79.3	47.5	20.4	4.3
1984 ^{4,5}	75.2	86.1	66.5	113.6	107.9	77.8	43.8	19.4	4.3
1983 ^{4,5}	76.2	85.5	66.8	111.9	107.2	79.7	43.8	19.4	4.8
1982 ^{4,5}	77.9	85.1	66.3	112.7	109.3	82.7	44.1	19.5	5.2
1981 ^{4,5}	79.4	85.0	65.9	114.2	110.7	83.1	45.5	19.6	5.6
1980 ^{4,5}	81.1	87.9	68.8	118.2	112.3	81.4	46.7	19.0	5.5
Asian or Pacific Islander total									
2004 ⁴	23.6	13.3	7.7	21.6	27.9	33.2	35.4	20.7	8.6
2003 ⁴	22.2	13.1	7.5	21.4	26.6	30.7	31.5	19.8	7.9
2002 ⁴	21.3	13.4	7.5	22.2	26.5	27.5	28.6	18.7	6.8
2001 ⁴	21.2	14.6	8.7	23.0	25.2	26.7	29.4	19.7	6.3
2000 ⁴	20.9	15.2	9.6	23.2	24.2	25.4	29.7	18.4	6.9

See footnotes at end of table.

Table 19. Birth rates for unmarried women by age of mother: United States, 1970, 1975, and 1980–2004, and by age, race, and Hispanic origin of mother: United States, 1980–2004—Con.

[Rates are live births to unmarried women per 1,000 unmarried women. Populations estimated as of July 1 for all years]

Year and race and Hispanic origin	15–44 years ¹	Age of mother							
		Total	15–17 years	18–19 years	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years ²
Hispanic ⁹									
2004 ⁴	95.7	67.9	43.3	110.1	138.6	143.4	109.6	56.8	13.8
2003 ⁴	92.2	66.6	43.0	107.0	133.7	136.0	99.2	54.7	13.3
2002 ⁴	87.9	66.1	43.0	105.3	131.4	123.1	88.1	51.3	12.6
2001 ⁴	87.8	67.1	44.2	104.3	132.3	120.7	91.4	49.7	12.2
2000 ⁴	87.3	68.5	47.0	102.2	130.5	121.6	89.4	46.1	12.2
1999 ⁴	84.9	68.6	48.7	99.9	126.1	119.6	84.2	42.4	11.2
1998 ⁴	82.8	69.3	49.8	101.2	120.6	115.9	78.2	38.8	12.0
1997 ⁴	83.2	69.2	50.7	100.6	122.8	114.8	78.8	40.5	12.1
1996 ⁴	86.2	69.3	49.7	102.3	131.6	122.0	84.6	41.2	12.3
1995 ⁴	88.8	73.2	52.8	108.6	135.8	122.3	84.1	42.2	12.1
1994 ⁴	95.8	77.7	55.7	115.4	144.5	131.7	91.2	47.4	13.9
1993 ⁴	91.4	71.1	49.6	108.8	134.3	130.4	87.8	47.1	14.1
1992 ⁴	92.8	70.3	49.2	106.6	138.2	133.4	89.9	47.8	14.6
1991 ⁴	92.5	71.0	49.5	107.5	134.2	135.1	88.2	47.6	14.1
1990 ^{4,8}	89.6	65.9	45.9	98.9	129.8	131.7	88.1	50.8	13.7

--- Data not available.

¹Rates computed by relating total births to unmarried mothers, regardless of age of mother, to unmarried women aged 15–44 years.²Rates computed by relating births to unmarried mothers aged 40 years and over to unmarried women aged 40–44 years.³Includes races other than white, black, and Asian or Pacific Islander.⁴Data for states in which marital status was not reported have been inferred and included with data from the remaining states; see "Technical Notes."⁵Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see "Technical Notes."⁶Births to unmarried women are estimated for the United States from data for registration areas in which marital status of mother was reported; see "Technical Notes."⁷Based on a 50 percent sample of births.⁸Rates for 1990 based on data for 48 states and the District of Columbia that reported Hispanic origin on the birth certificate. Rate shown for 1990 for ages 35–39 years are based on births to unmarried women aged 35–44 years.⁹Includes all persons of Hispanic origin of any race.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. Fifteen states reported multiple-race data for 2004. The multiple-race data are bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." Rates cannot be computed for unmarried non-Hispanic black women or for American Indian women because the necessary proportions are not available.

**Table 20. Number and percentage of births to unmarried women, by race and Hispanic origin of mother:
United States, each state and territory, 2004**

[By place of residence]

State	Births to unmarried women				Percent unmarried			
	All races ¹	Non-Hispanic			All races ¹	Non-Hispanic		
		White ²	Black ²	Hispanic ³		White ²	Black ²	Hispanic ³
United States ⁴	1,470,189	562,539	400,980	439,541	35.8	24.5	69.3	46.4
Alabama	21,566	7,858	12,692	843	36.2	21.1	70.6	25.1
Alaska	3,577	1,149	118	306	34.6	22.4	39.3	34.9
Arizona	39,525	9,969	1,726	22,387	42.2	25.2	61.2	54.0
Arkansas	14,978	7,607	5,652	1,486	38.8	28.4	77.0	42.4
California	187,582	33,345	19,298	122,528	34.4	20.5	63.3	44.5
Colorado	18,837	7,787	1,479	9,052	27.5	18.9	52.8	41.6
Connecticut	12,891	4,624	3,274	4,727	30.6	17.0	66.7	62.2
Delaware	4,811	1,797	2,030	885	42.3	27.9	71.2	58.1
District of Columbia	4,436	126	3,634	628	55.9	6.3	77.5	62.9
Florida	90,254	31,948	31,705	25,224	41.4	30.4	67.4	43.1
Georgia	54,362	15,495	28,702	9,099	39.2	22.6	66.5	45.2
Hawaii	6,098	1,021	137	1,196	33.4	23.6	28.4	44.6
Idaho	5,099	3,512	34	1,207	22.6	19.2	37.8	37.2
Illinois	65,560	21,600	23,821	19,383	36.3	22.1	77.5	45.4
Indiana	33,828	22,182	7,464	3,819	38.8	32.5	77.9	52.7
Iowa	11,913	9,219	1,064	1,259	31.0	28.1	72.9	44.4
Kansas	13,100	8,126	1,967	2,477	33.0	27.8	71.2	45.3
Kentucky	19,500	14,688	3,586	1,074	35.0	30.7	75.7	48.9
Louisiana	32,117	10,446	20,419	794	49.1	29.7	76.7	40.7
Maine	4,748	4,464	77	57	34.1	34.0	35.5	31.7
Maryland	26,652	8,088	14,397	3,736	35.7	21.2	59.6	48.9
Massachusetts	22,392	11,353	3,835	6,205	28.5	20.4	57.1	63.1
Michigan	46,280	24,242	16,455	3,579	35.7	26.6	74.0	45.7
Minnesota	20,488	11,970	3,213	2,754	29.0	22.4	57.7	51.6
Mississippi	20,705	5,714	14,177	519	48.3	25.5	76.7	46.8
Missouri	28,741	17,797	8,689	1,828	37.0	29.4	77.0	47.5
Montana	3,951	2,584	24	152	34.3	27.8	51.1	40.8
Nebraska	7,954	4,760	1,068	1,516	30.2	24.2	69.5	43.9
Nevada	13,978	4,690	1,932	6,234	39.7	29.3	68.8	47.8
New Hampshire.....	3,852	3,338	76	187	26.4	25.9	40.0	40.4
New Jersey	34,643	8,165	10,977	14,870	30.1	13.6	64.8	54.4
New Mexico	13,865	2,505	245	8,455	48.8	28.3	54.3	55.8
New York	94,380	26,527	28,542	35,001	37.8	20.7	67.3	61.6
North Carolina	44,178	15,464	18,670	8,671	36.9	22.0	68.1	50.1
North Dakota	2,449	1,521	24	59	29.9	22.9	26.4	35.3
Ohio	55,663	34,635	17,152	2,998	37.4	29.8	76.0	52.4
Oklahoma	19,714	10,713	3,318	2,768	38.4	31.3	71.7	46.1
Oregon	14,850	9,333	670	3,935	32.5	28.8	65.4	44.5
Pennsylvania	50,983	27,755	14,376	7,074	35.2	26.0	74.8	61.0
Rhode Island	4,763	1,869	647	1,474	37.3	27.0	64.1	60.7
South Carolina	23,725	8,166	13,407	1,900	41.9	24.9	73.2	43.8
South Dakota	3,977	2,254	59	185	35.1	25.4	42.1	46.8
Tennessee	30,419	15,505	11,704	2,851	38.2	27.5	74.4	48.8
Texas	137,432	32,197	26,746	76,581	36.0	23.6	64.2	40.7
Utah	8,843	5,110	178	2,907	17.5	12.6	45.6	40.5
Vermont	2,132	2,039	28	26	32.3	32.5	49.1	34.7
Virginia	32,203	12,582	13,913	5,142	31.0	20.0	62.4	44.0
Washington	24,818	13,737	1,715	6,293	30.4	25.7	55.2	44.1
West Virginia	7,272	6,661	513	52	34.8	33.6	76.7	34.4
Wisconsin	21,947	12,722	5,326	2,815	31.3	23.5	81.9	47.8
Wyoming	2,158	1,580	25	343	31.7	27.9	46.3	49.0
Puerto Rico	28,261	---	---	---	55.3	---	---	---
Virgin Islands	1,078	34	748	249	68.5	28.8	74.1	71.3
Guam	1,932	38	6	13	56.7	16.0	*	*
American Samoa	627	---	---	---	36.6	---	---	---
Northern Marianas	760	---	---	---	56.1	---	---	---

--- Data not available.

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

¹Includes races other than white and black and origin not stated.

²Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." ³Includes all persons of Hispanic origin of any race. ⁴Excludes data for the territories.

Table 21. Birth rates by age and race of father: United States, 1980–2004

[Rates are live births per 1,000 men in specified group. Populations enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	Age of father									
	15–54 years ¹	15–19 years ²	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55 years and over
All races ³										
2004	48.8	17.0	72.4	104.9	102.5	61.7	23.9	7.7	2.4	0.3
2003	48.9	16.9	73.5	105.7	102.2	60.2	23.4	7.6	2.5	0.3
2002	48.4	17.4	75.6	105.0	99.1	57.7	22.6	7.4	2.4	0.3
2001	49.0	18.5	78.5	105.8	99.6	57.0	22.3	7.3	2.4	0.3
2000	50.0	19.8	82.1	106.5	99.5	56.3	22.2	7.3	2.5	0.3
1999	49.2	20.6	81.1	105.3	95.9	53.9	21.1	7.0	2.4	0.3
1998	49.6	21.3	82.3	104.4	94.4	53.1	21.0	7.1	2.5	0.3
1997	49.4	21.9	82.1	102.6	92.0	51.5	20.7	7.0	2.5	0.3
1996	50.2	22.7	83.4	102.8	91.3	51.1	20.5	6.9	2.5	0.3
1995	51.0	23.9	83.9	103.2	90.7	50.4	20.3	7.0	2.5	0.3
1994	52.4	24.6	85.6	105.3	91.1	50.5	20.3	7.2	2.6	0.3
1993	53.7	24.4	86.0	108.1	91.7	50.7	20.2	7.3	2.7	0.4
1992	55.3	24.4	87.1	111.1	93.0	51.1	20.4	7.3	2.7	0.4
1991	56.8	24.7	87.9	113.5	94.3	51.6	20.2	7.4	2.7	0.4
1990	58.4	23.5	88.0	116.4	97.8	53.0	21.0	7.5	2.8	0.4
1989	57.2	21.9	85.4	114.3	94.8	51.3	20.4	7.4	2.7	0.6
1988	55.8	19.6	82.4	111.6	93.2	49.9	19.9	7.1	2.7	0.4
1987	55.0	18.3	80.5	109.9	91.2	48.6	19.0	6.9	2.6	0.4
1986	54.8	17.9	80.3	109.6	90.3	46.8	18.3	6.7	2.6	0.4
1985	55.6	18.0	81.2	112.3	91.1	47.3	18.1	6.6	2.5	0.4
1984 ⁴	55.0	17.8	80.7	111.4	89.9	46.0	17.8	6.3	2.4	0.4
1983 ⁴	55.1	18.2	82.6	113.0	89.1	45.2	17.4	6.4	2.3	0.4
1982 ⁴	56.4	18.6	86.5	117.3	90.3	44.5	17.5	6.4	2.3	0.4
1981 ⁴	56.3	18.4	88.4	119.1	88.7	43.3	17.0	6.2	2.3	0.4
1980 ⁴	57.0	18.8	92.0	123.1	91.0	42.8	17.1	6.1	2.2	0.3
White										
2004	46.7	14.3	67.7	105.0	102.5	60.2	22.2	6.8	2.0	0.2
2003	47.1	14.3	69.2	106.1	102.8	58.9	21.9	6.7	2.1	0.3
2002	46.4	14.8	70.8	104.8	99.4	56.4	21.0	6.6	2.0	0.3
2001	46.9	15.5	73.1	105.4	99.9	55.7	20.8	6.5	2.0	0.3
2000	47.6	16.6	75.8	105.4	99.5	54.7	20.7	6.5	2.1	0.3
1999	46.9	17.3	74.7	104.1	96.2	52.7	19.8	6.3	2.1	0.3
1998	47.1	17.7	75.6	102.7	94.3	51.9	19.6	6.3	2.1	0.3
1997	46.8	18.0	75.3	100.9	91.7	50.2	19.3	6.2	2.1	0.3
1996	47.7	18.7	76.7	101.4	91.1	49.9	19.2	6.1	2.1	0.2
1995	48.4	19.4	77.0	101.7	90.4	49.1	19.1	6.2	2.1	0.2
1994	49.3	19.5	77.4	103.1	90.4	48.9	18.9	6.3	2.2	0.3
1993	50.3	18.9	77.2	105.5	90.7	48.9	18.7	6.4	2.2	0.2
1992	51.8	18.8	77.8	108.2	91.9	49.1	18.8	6.4	2.2	0.3
1991	53.1	19.0	78.4	110.2	92.8	49.6	18.5	6.5	2.2	0.3
1990	54.6	18.1	78.3	113.2	96.1	50.9	19.2	6.5	2.2	0.3
1989	53.3	16.7	75.9	110.8	93.0	49.1	18.7	6.3	2.1	0.4
1988	52.2	14.8	73.7	108.3	91.2	47.6	18.1	6.1	2.1	0.3
1987	51.6	13.9	72.8	107.0	89.5	46.2	17.3	5.9	2.0	0.3
1986	51.7	13.8	73.3	107.0	88.7	44.4	16.6	5.7	2.0	0.3
1985	52.6	14.0	74.7	109.9	89.5	44.8	16.3	5.6	1.9	0.3
1984 ⁴	51.8	14.0	74.3	108.8	87.9	43.5	16.0	5.3	1.9	0.3
1983 ⁴	52.0	14.4	76.3	110.2	86.8	42.6	15.5	5.3	1.8	0.3
1982 ⁴	53.1	14.9	80.1	114.2	87.5	41.7	15.6	5.3	1.9	0.3
1981 ⁴	52.9	15.0	81.7	115.8	85.8	40.3	15.0	5.2	1.8	0.3
1980 ⁴	53.4	15.4	84.9	119.4	87.8	39.7	15.0	5.1	1.8	0.3

See footnotes at end of table.

Table 21. Birth rates by age and race of father: United States, 1980–2004—Con.

[Rates are live births per 1,000 men in specified group. Populations enumerated as of April 1 for 1980, 1990, and 2000, and estimated as of July 1 for all other years. Figures for age of father not stated are distributed]

Year and race of father	Age of father									
	15–54 years ¹	15–19 years ²	20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–49 years	50–54 years	55 years and over
Black										
2004	61.7	32.7	111.6	122.7	98.7	61.8	30.4	12.7	4.9	0.8
2003	61.0	32.5	111.9	122.3	96.2	59.9	29.6	12.4	4.9	0.9
2002	61.2	33.3	116.2	123.6	94.0	57.8	28.5	12.0	4.7	0.9
2001	63.3	36.5	124.5	125.9	95.6	57.1	28.2	11.8	4.7	1.0
2000	66.2	39.6	135.5	131.0	95.2	56.9	28.4	11.7	5.0	1.0
1999	65.4	41.0	133.8	129.6	91.6	54.3	26.5	11.2	4.9	1.0
1998	66.8	42.8	137.0	130.3	90.9	54.0	26.7	11.6	5.0	1.0
1997	66.7	45.1	136.3	126.3	88.8	52.6	26.1	11.4	5.2	1.0
1996	67.2	46.7	137.6	123.9	87.0	51.8	25.7	11.3	5.3	1.1
1995	69.1	49.9	139.2	123.9	87.7	52.0	25.7	11.9	5.4	1.1
1994	74.0	54.1	149.1	129.6	91.4	53.8	26.4	12.8	5.8	1.1
1993	77.6	56.2	152.7	134.2	94.0	56.3	27.7	13.4	6.3	1.3
1992	80.4	57.0	157.1	138.6	95.8	56.7	28.4	13.7	6.1	1.4
1991	83.0	57.8	158.5	142.0	99.2	58.5	29.4	14.1	6.7	1.4
1990	84.9	55.2	158.2	144.9	103.2	60.4	31.1	15.0	7.1	1.4
1989	84.1	52.9	153.4	143.5	101.4	59.9	31.1	14.9	6.9	2.7
1988	80.7	48.1	144.1	137.9	100.0	58.0	30.6	14.3	6.9	1.4
1987	78.3	44.6	136.1	133.9	97.4	58.0	30.0	13.8	6.6	1.3
1986	77.2	42.6	131.4	131.6	97.4	58.0	29.1	13.5	6.7	1.3
1985	77.2	41.8	129.5	132.7	97.3	59.4	29.5	13.3	6.5	1.2
1984 ⁴	76.7	40.9	128.0	132.2	98.3	58.4	29.3	13.3	6.1	1.2
1983 ³	77.2	40.7	129.1	134.4	99.0	59.6	29.6	13.5	6.0	1.2
1982 ⁴	79.5	40.3	133.4	141.2	103.6	61.1	29.6	13.9	6.0	1.2
1981 ⁴	80.4	38.9	138.4	145.6	104.3	61.3	29.7	13.3	5.7	1.2
1980 ⁴	83.0	40.1	145.3	152.8	109.6	62.0	31.2	13.6	5.9	1.1

¹Rates computed by relating total births, regardless of age of father, to men aged 15–54 years.

²Rates computed by relating births of fathers under 20 years of age to men aged 15–19 years.

³Includes races other than white and black.

⁴Based on 100 percent of births in selected states and on a 50 percent sample of births in all other states; see "Technical Notes."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all men (including Hispanic men) are classified only according to their race; see "Technical Notes." Age of father was not stated for 14 percent of births in 2004.

Table 22. Number of live births and percent distribution, by weight gain of mother during pregnancy, according to period of gestation, race, and Hispanic origin of mother: Total of 49 reporting states and the District of Columbia, 2004

Period of gestation ¹ and race and Hispanic origin of mother	All births	Weight gain during pregnancy									
		Less than 16 pounds	16–20 pounds	21–25 pounds	26–30 pounds	31–35 pounds	36–40 pounds	41–45 pounds	46 pounds or more	Not stated	
All gestation periods²											
Number											
All races ³	3,567,209	437,198	356,676	446,736	575,542	452,771	416,190	232,651	440,616	208,829	
Non-Hispanic white ⁴	2,133,967	218,604	186,930	262,509	353,304	295,225	271,462	157,324	296,047	92,562	
Non-Hispanic black ⁴	548,294	96,550	63,632	65,193	77,981	54,996	54,031	29,595	66,105	40,211	
Hispanic ⁵	671,148	99,009	83,467	89,779	107,002	74,356	66,645	33,663	59,802	57,425	
Under 34 weeks											
All races ³	131,658	32,914	18,168	15,731	16,525	10,415	9,393	4,779	10,590	13,143	
Non-Hispanic white ⁴	65,696	13,867	8,653	8,223	8,910	6,035	5,444	2,933	6,626	5,005	
Non-Hispanic black ⁴	35,853	11,263	5,081	3,796	3,944	2,265	2,051	1,007	2,335	4,111	
Hispanic ⁵	23,265	6,182	3,460	2,810	2,797	1,628	1,451	652	1,263	3,022	
34–36 weeks											
All races ³	322,540	46,920	36,437	41,462	49,701	35,731	33,161	18,574	39,490	21,064	
Non-Hispanic white ⁴	181,912	21,773	17,996	23,420	28,766	22,225	20,576	12,241	25,930	8,985	
Non-Hispanic black ⁴	62,909	12,306	8,203	7,625	8,849	5,637	5,498	2,902	6,911	4,978	
Hispanic ⁵	59,959	10,516	8,058	7,943	9,168	5,824	5,366	2,567	5,081	5,436	
37–39 weeks											
All races ³	1,870,770	223,492	188,611	240,851	310,366	243,406	219,514	120,625	221,212	102,693	
Non-Hispanic white ⁴	1,134,521	114,637	100,873	143,286	192,792	160,198	144,652	81,896	149,320	46,867	
Non-Hispanic black ⁴	278,435	46,914	32,200	34,073	40,714	29,108	28,076	15,413	33,210	18,727	
Hispanic ⁵	343,688	49,926	43,246	47,303	56,151	38,850	34,130	16,980	29,335	27,767	
40 weeks and over											
All races ³	1,236,189	133,192	113,151	148,395	198,555	162,901	153,852	88,501	168,998	68,644	
Non-Hispanic white ⁴	749,228	68,057	59,276	87,437	122,624	106,609	100,650	60,155	113,992	30,428	
Non-Hispanic black ⁴	169,784	25,853	18,067	19,638	24,398	17,940	18,358	10,245	23,578	11,707	
Hispanic ⁵	242,945	32,235	28,627	31,655	38,806	27,958	25,634	13,430	24,063	20,537	
All gestation periods²											
Percent distribution											
All races ³	100.0	13.0	10.6	13.3	17.1	13.5	12.4	6.9	13.1	...	
Non-Hispanic white ⁴	100.0	10.7	9.2	12.9	17.3	14.5	13.3	7.7	14.5	...	
Non-Hispanic black ⁴	100.0	19.0	12.5	12.8	15.3	10.8	10.6	5.8	13.0	...	
Hispanic ⁵	100.0	16.1	13.6	14.6	17.4	12.1	10.9	5.5	9.7	...	
Under 34 weeks											
All races ³	100.0	27.8	15.3	13.3	13.9	8.8	7.9	4.0	8.9	...	
Non-Hispanic white ⁴	100.0	22.8	14.3	13.5	14.7	9.9	9.0	4.8	10.9	...	
Non-Hispanic black ⁴	100.0	35.5	16.0	12.0	12.4	7.1	6.5	3.2	7.4	...	
Hispanic ⁵	100.0	30.5	17.1	13.9	13.8	8.0	7.2	3.2	6.2	...	
34–36 weeks											
All races ³	100.0	15.6	12.1	13.8	16.5	11.9	11.0	6.2	13.1	...	
Non-Hispanic white ⁴	100.0	12.6	10.4	13.5	16.6	12.9	11.9	7.1	15.0	...	
Non-Hispanic black ⁴	100.0	21.2	14.2	13.2	15.3	9.7	9.5	5.0	11.9	...	
Hispanic ⁵	100.0	19.3	14.8	14.6	16.8	10.7	9.8	4.7	9.3	...	
37–39 weeks											
All races ³	100.0	12.6	10.7	13.6	17.6	13.8	12.4	6.8	12.5	...	
Non-Hispanic white ⁴	100.0	10.5	9.3	13.2	17.7	14.7	13.3	7.5	13.7	...	
Non-Hispanic black ⁴	100.0	18.1	12.4	13.1	15.7	11.2	10.8	5.9	12.8	...	
Hispanic ⁵	100.0	15.8	13.7	15.0	17.8	12.3	10.8	5.4	9.3	...	
40 weeks and over											
All races ³	100.0	11.4	9.7	12.7	17.0	14.0	13.2	7.6	14.5	...	
Non-Hispanic white ⁴	100.0	9.5	8.2	12.2	17.1	14.8	14.0	8.4	15.9	...	
Non-Hispanic black ⁴	100.0	16.4	11.4	12.4	15.4	11.3	11.6	6.5	14.9	...	
Hispanic ⁵	100.0	14.5	12.9	14.2	17.4	12.6	11.5	6.0	10.8	...	

... Category not applicable.

¹Expressed in completed weeks.²Includes births with period of gestation not stated.³Includes races other than white and black and origin not stated.⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁵Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for California, which did not require reporting of weight gain during pregnancy.

Table 23. Percentage of births with selected medical or health characteristics, by race of mother: United States, 2004

Characteristic	All races	White	Black	American Indian or Alaska Native ¹	Asian or Pacific Islander
All births Mother					
Diabetes during pregnancy	3.6	3.4	3.4	5.6	5.8
Weight gain of less than 16 lb ²	13.0	11.9	18.8	17.5	10.1
CNM delivery ³	7.5	7.6	7.1	17.6	6.0
Cesarean delivery	29.1	28.8	30.8	25.1	28.4
Infant					
Gestational age					
Very preterm ⁴	2.0	1.7	4.0	2.2	1.5
Preterm ⁵	12.5	11.6	17.7	13.7	10.5
Birthweight					
Very low birthweight ⁶	1.5	1.2	3.1	1.3	1.1
Low birthweight ⁷	8.1	7.1	13.4	7.5	7.9
4,000 grams or more ⁸	8.5	9.4	4.8	10.5	5.2
Twin birth ⁹	32.2	32.1	35.1	24.7	26.5
Triplet/+ birth ¹⁰	176.9	196.3	98.2	50.1	140.5

¹Includes births to Aleuts and Eskimos.²Excludes data for California, which did not report weight gain on the birth certificate.³Births delivered by certified nurse midwives.⁴Born prior to 32 completed weeks of gestation.⁵Born prior to 37 completed weeks of gestation.⁶Birthweight of less than 1,500 grams (3 lb 4 oz).⁷Birthweight of less than 2,500 grams (5 lb 8 oz).⁸Equivalent to 8 lb 14 oz.⁹Live births in twin deliveries per 1,000 live births.¹⁰Live births in triplet and other higher-order multiple deliveries per 100,000 live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes."

Table 24. Percentage of births with selected medical or health characteristics, by Hispanic origin of mother and by race for mothers of non-Hispanic origin: United States, 2004

Characteristic	All origins ¹	Origin of mother								
		Hispanic					Non-Hispanic			
		Total	Mexican	Puerto Rican	Cuban	Central and South American	Other and unknown Hispanic	Total ²	White	Black
All births Mother										
Diabetes during pregnancy	3.6	3.5	3.3	4.4	3.5	3.6	3.6	3.6	3.4	3.4
Weight gain of less than 16 lb ³	13.0	16.1	17.9	13.3	9.0	12.9	14.4	12.3	10.7	19.0
CNM delivery ⁴	7.5	9.0	8.7	10.1	4.2	9.5	11.7	7.0	7.0	6.9
Cesarean delivery	29.1	28.0	27.1	29.8	43.4	30.1	26.7	29.4	29.2	31.0
Infant										
Gestational age										
Very preterm ⁵	2.0	1.8	1.7	2.6	1.7	1.7	1.9	2.1	1.6	4.1
Preterm ⁶	12.5	12.0	11.8	14.0	12.8	11.7	12.6	12.6	11.5	17.9
Birthweight										
Very low birthweight ⁷	1.5	1.2	1.1	2.0	1.3	1.2	1.3	1.6	1.2	3.1
Low birthweight ⁸	8.1	6.8	6.4	9.8	7.7	6.7	7.8	8.5	7.2	13.7
4,000 grams or more ⁹	8.5	7.9	8.1	6.4	8.2	7.8	6.7	8.7	10.0	4.6
Twin births ¹⁰	32.2	21.5	19.9	28.7	37.6	23.6	23.5	35.3	36.3	35.6
Triplet/+ births ¹¹	176.9	76.4	71.3	168.2	*	66.2	48.9	207.0	243.4	99.7

¹Includes origin not stated.²Includes races other than white and black.³Excludes data for California, which did not report weight gain on the birth certificate.⁴Births delivered by certified nurse midwives.⁵Born prior to 32 completed weeks of gestation.⁶Born prior to 37 completed weeks of gestation.⁷Birthweight of less than 1,500 grams (3 lb 4 oz).⁸Birthweight of less than 2,500 grams (5 lb 8 oz).⁹Equivalent to 8 lb 14 oz.¹⁰Live births in twin deliveries per 1,000 live births.¹¹Live births in triplet and other higher order multiple deliveries per 100,000 live births.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Persons of Hispanic origin may be of any race. In this table Hispanic women are classified only by place of origin; non-Hispanic women are classified by race; see "Technical Notes." Fifteen states reported multiple-race data for 2004. The multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

Table 25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2004

[Rates are number of live births with specified risk factors complications, or procedures per 1,000 live births in specified group; congenital anomalies are per 100,000 live births]

Risk factor, characteristic, procedure, and anomaly	All births ¹	Factor reported	All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	Not stated ²
All Races³										
Risk factors in this pregnancy										
Diabetes	4,112,052	146,435	35.8	11.2	20.4	34.1	46.9	61.8	80.9	17,761
Hypertension, pregnancy-associated	4,112,052	155,246	37.9	41.4	37.2	37.4	36.1	38.7	48.8	17,761
Hypertension, chronic	4,112,052	39,380	9.6	3.5	5.7	8.7	11.8	17.4	26.7	17,761
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor	4,112,052	870,019	212.0	212.6	218.4	219.8	207.7	194.0	186.6	8,181
Tocolysis	4,112,052	81,391	19.8	22.1	21.2	19.7	18.7	17.9	18.4	10,544
Meconium, moderate/heavy	4,112,052	198,250	48.3	54.8	49.7	47.5	46.2	46.3	47.8	11,576
Breech/Malpresentation	4,112,052	170,141	41.6	29.5	33.5	40.4	47.8	54.7	65.3	21,111
Precipitous labor	4,112,052	78,516	19.2	13.0	17.8	19.3	21.1	22.8	22.0	16,266
Congenital Anomalies ⁴										
Anencephaly	4,083,668	441	10.9	9.6	11.1	10.3	11.7	10.2	*	20,748
Meningomyelocoele/Spina bifida	4,083,668	786	19.3	21.2	21.0	19.5	16.8	18.3	22.1	20,748
Omphalocele/Gastroschisis	4,083,668	1,116	27.5	72.4	37.0	20.7	13.3	13.2	21.2	20,748
Cleft lip/palate	4,083,668	3,156	77.7	80.6	88.0	74.9	71.4	73.9	69.1	20,748
Down syndrome	4,083,668	1,946	47.9	26.9	25.7	26.2	40.7	110.3	348.3	20,748
Non-Hispanic white⁵										
Risk factors in this pregnancy										
Diabetes	2,296,683	78,502	34.3	13.0	21.5	31.7	41.0	52.6	67.9	9,022
Hypertension, pregnancy-associated	2,296,683	99,142	43.3	48.3	44.8	44.5	40.2	40.6	49.4	9,022
Hypertension, chronic	2,296,683	22,666	9.9	3.7	6.1	9.1	11.5	15.5	22.2	9,022
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor	2,296,683	582,296	254.0	278.9	274.7	265.8	239.7	219.4	208.8	4,608
Tocolysis	2,296,683	49,956	21.8	26.9	24.1	21.6	20.3	19.1	19.5	6,200
Meconium, moderate/heavy	2,296,683	97,370	42.5	46.3	42.7	41.5	42.0	42.7	44.7	6,635
Breech/Malpresentation	2,296,683	108,390	47.4	35.8	38.6	45.6	52.4	58.2	69.1	12,286
Precipitous labor	2,296,683	46,660	20.4	13.2	17.9	20.0	22.4	24.8	24.3	9,833
Congenital Anomalies ⁴										
Anencephaly	2,287,827	240	10.5	*	11.1	9.7	12.0	10.0	*	11,737
Meningomyelocoele/Spina bifida	2,287,827	462	20.3	21.3	23.2	20.9	17.9	17.2	*	11,737
Omphalocele	2,287,827	619	27.2	98.4	39.5	20.9	11.2	12.6	*	11,737
Cleft lip/palate	2,287,827	2,076	91.2	115.6	116.2	85.7	77.5	77.3	75.7	11,737
Down syndrome	2,287,827	1,270	55.8	32.0	28.3	28.7	44.4	120.7	379.8	11,737
Non-Hispanic black⁵										
Risk factors in this pregnancy										
Diabetes	578,772	19,383	33.6	9.8	19.8	36.8	54.9	72.9	93.7	2,449
Hypertension, pregnancy-associated	578,772	24,347	42.2	44.7	38.4	40.4	43.9	50.2	59.1	2,449
Hypertension, chronic	578,772	10,657	18.5	5.2	9.5	17.9	30.3	48.1	69.1	2,449
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor	578,772	107,405	185.8	192.9	187.4	186.4	183.2	171.2	174.2	835
Tocolysis	578,772	12,642	21.9	21.9	22.2	22.3	21.7	20.3	19.7	1,086
Meconium, moderate/heavy	578,772	36,659	63.5	66.4	60.7	63.1	65.4	65.5	64.8	1,345
Breech/Malpresentation	578,772	21,250	36.9	25.8	30.9	37.8	46.4	55.5	64.9	2,730
Precipitous labor	578,772	11,747	20.4	15.1	20.5	22.1	22.0	22.9	19.7	1,818

See footnotes at end of table.

Table 25. Number and rate of live births to mothers with selected risk factors during pregnancy, obstetric procedures, characteristics of labor and delivery, and congenital anomalies, by age and race and Hispanic origin of mother: United States, 2004—Con.

[Rates are number of live births with specified risk factors complications, or procedures per 1,000 live births in specified group; congenital anomalies are per 100,000 live births]

Risk factor, characteristic, procedure, and anomaly	All births ¹	Factor reported	All ages	Under 20 years	20–24 years	25–29 years	30–34 years	35–39 years	40–54 years	Not stated ²
Congenital Anomalies⁴										
Anencephaly	578,321	62	10.8	*	*	*	*	*	*	2,723
Meningomyelocoele/Spina bifida	578,321	105	18.2	*	17.6	21.1	*	*	*	2,723
Omphalocele	578,321	206	35.8	43.2	34.1	34.2	33.7	*	*	2,723
Cleft lip/palate	578,321	245	42.6	46.2	34.6	44.4	45.6	47.1	*	2,723
Down syndrome	578,321	158	27.4	*	14.4	14.6	27.1	62.2	335.7	2,723
Hispanic⁶										
Risk factors in this pregnancy										
Diabetes	946,349	32,521	34.5	9.3	17.7	33.7	54.2	77.4	108.3	4,074
Hypertension, pregnancy-associated	946,349	24,268	25.8	30.5	23.7	23.1	25.5	30.5	42.2	4,074
Hypertension, chronic	946,349	4,192	4.4	2.0	2.6	3.8	5.9	10.1	19.9	4,074
Obstetric procedures/Characteristics of labor and/or delivery										
Induction of labor	946,349	135,181	143.0	148.8	144.5	141.6	140.9	138.5	138.8	1,175
Tocolysis	946,349	14,176	15.0	16.2	15.6	14.8	14.0	14.1	14.5	1,523
Meconium, moderate/heavy	946,349	50,081	53.0	56.5	55.1	52.7	49.7	49.0	48.7	1,635
Breech/Malpresentation	946,349	29,536	31.3	24.5	26.3	30.6	37.0	45.0	54.8	3,611
Precipitous labor	946,349	14,200	15.0	10.6	15.0	16.2	16.5	15.6	15.5	2,360
Congenital Anomalies⁴										
Anencephaly	931,191	103	11.1	*	12.1	11.2	*	*	*	3,163
Meningomyelocoele/Spina bifida	931,191	183	19.7	25.8	20.8	16.0	17.7	*	*	3,163
Omphalocele	931,191	230	24.8	55.3	32.9	16.0	13.1	*	*	3,163
Cleft lip/palate	931,191	603	65.0	58.3	68.0	65.2	60.6	80.2	*	3,163
Down syndrome	931,191	405	43.6	25.0	29.2	28.0	41.1	117.8	315.0	3,163

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

¹Total number of births to residents of areas reporting specified obstetric procedures.

²No response reported for specific item.

³Includes races not shown.

⁴Excludes data for New Mexico, which did not report congenital anomalies.

⁵Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

⁶Includes all persons of Hispanic origin of any race.

Table 26(a). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, 2004

State	Percent beginning care in first trimester				Percent late or no care			
	All races ²	Non-Hispanic			All races ²	Non-Hispanic		
		White ³	Black ³	Hispanic ⁴		White ³	Black ³	Hispanic ⁴
Total of reporting area	72.9	78.0	58.9	56.5	6.2	4.5	11.4	11.0
Idaho	71.6	74.9	70.6	55.6	5.7	4.5	*	11.0
Kentucky	74.5	76.0	68.6	56.4	5.4	4.8	8.9	11.0
New York (excluding New York City)	77.2	82.3	61.3	61.0	4.4	3.1	9.6	7.3
Pennsylvania.	73.2	78.4	55.9	56.4	6.7	5.1	12.7	10.8
South Carolina	68.0	75.5	60.1	46.8	7.5	5.0	10.0	15.6
Tennessee	69.8	76.8	54.2	40.8	8.2	5.1	14.5	23.8
Washington	71.4	75.1	66.0	61.0	6.1	4.8	8.8	8.9

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

¹Care beginning in third trimester.

²Includes races other than white and black and origin not stated.

³Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. All of the states shown in this table reported multiple-race data for 2004. These multiple-race data were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

⁴Includes all persons of Hispanic origin of any race.

NOTE: Excludes data for Florida and New Hampshire, which implemented the 2003 Revision of the U.S. Certificate of Live Birth after January 1, 2004. Also excludes the 41 states, New York City, and the District of Columbia for which data are based on the 1989 Revision of the U.S. Certificate of Live Birth; see "Technical Notes." Prenatal care data based on the 1989 Revision of the U.S. Certificate of Live Birth are not comparable with those based on the 2003 Revision of the U.S. Certificate of Live Birth.

Table 26(b). Percentage of mothers beginning prenatal care in the first trimester and percentage of mothers with late or no prenatal care, by race and Hispanic origin of mother: 41 states, New York City, and the District of Columbia, 2004

[By place of residence]

State	Percent beginning care in first trimester				Percent late ¹ or no care			
	All races ²	Non-Hispanic			All races ²	Non-Hispanic		
		White ³	Black ³	Hispanic ⁴		White ³	Black ³	Hispanic ⁴
Total of reporting areas ⁵	83.9	88.9	76.5	77.5	3.6	2.2	5.7	5.4
Alabama	84.0	90.1	77.2	53.4	3.7	1.7	4.5	21.2
Alaska	80.7	85.4	85.2	78.1	4.5	3.5	*	5.7
Arizona	76.3	87.2	77.8	67.1	7.5	3.1	6.9	11.1
Arkansas	82.3	85.4	76.1	71.7	4.4	3.2	6.9	8.3
California	87.1	90.7	83.5	85.0	2.6	1.9	3.5	3.1
Colorado	80.2	86.2	72.0	69.7	4.5	2.8	6.8	7.3
Connecticut	87.2	92.3	77.4	75.6	1.9	1.2	4.5	3.1
Delaware	85.1	90.0	81.7	69.5	3.6	2.0	4.3	9.9
District of Columbia	77.8	91.8	72.8	68.6	6.0	2.2	8.0	5.9
Georgia	83.9	90.3	79.4	70.6	4.0	2.3	5.0	8.6
Hawaii	81.8	85.2	87.4	80.2	3.7	3.0	*	3.0
Illinois	85.5	90.8	74.2	80.3	2.7	1.5	6.3	3.1
Indiana	80.8	84.3	68.5	62.6	4.0	2.9	7.6	8.9
Iowa	88.4	90.0	76.3	76.6	2.2	1.9	5.3	4.4
Kansas	86.5	89.8	78.3	72.7	2.6	1.8	4.8	5.8
Louisiana	85.5	91.5	77.4	84.3	2.9	1.4	5.0	3.1
Maine	88.5	88.9	80.2	77.8	1.6	1.6	*	*
Maryland	82.3	90.2	74.7	64.1	3.9	1.9	6.4	7.2
Massachusetts	89.6	92.2	80.4	82.3	2.2	1.5	5.5	3.6
Michigan	85.9	89.8	71.9	78.6	3.0	2.0	7.1	4.4
Minnesota	86.3	90.4	74.0	69.9	2.3	1.4	5.2	5.2
Mississippi	84.4	90.6	77.6	77.6	2.7	1.4	4.0	7.4
Missouri	88.2	90.2	80.4	80.0	2.3	1.8	4.8	3.3
Montana	83.2	86.4	93.6	80.2	2.9	1.9	*	*
Nebraska	82.9	86.0	72.5	70.9	3.3	2.5	5.8	6.5
Nevada	75.0	83.8	68.8	64.6	7.3	4.3	10.6	10.5
New Jersey	79.1	88.4	63.3	66.5	4.7	2.3	10.6	6.9
New Mexico	69.4	76.5	66.9	67.6	8.3	5.5	7.1	9.1
New York City	79.9	88.3	74.1	78.1	4.9	2.1	7.6	5.4
North Carolina	84.0	90.4	76.5	69.9	2.9	1.5	4.7	5.6
North Dakota	85.7	88.7	81.1	78.8	2.8	1.9	*	*
Ohio	87.8	89.9	78.6	79.0	2.4	1.9	4.9	4.2
Oklahoma	78.1	82.3	72.2	64.6	4.7	3.7	6.4	7.2
Oregon	80.5	84.0	73.6	69.3	4.1	3.3	6.8	6.2
Rhode Island	90.0	92.5	82.4	87.5	1.5	1.0	3.3	2.1
South Dakota	77.9	83.4	63.6	63.2	4.0	1.9	*	9.6
Texas	81.8	88.2	78.4	77.3	4.5	2.6	5.3	5.9
Utah	80.0	83.7	60.5	64.6	4.5	3.4	17.3	8.5
Vermont	90.0	90.4	71.7	76.8	1.5	1.4	*	*
Virginia	85.6	90.5	79.0	71.8	3.4	1.9	5.0	7.3
West Virginia	86.0	86.4	76.2	77.2	2.1	2.0	5.3	*
Wisconsin	85.3	88.7	76.9	72.0	2.9	2.3	5.1	5.1
Wyoming	85.2	87.0	83.3	79.3	3.1	2.6	*	4.2
Puerto Rico	83.4	---	---	---	2.4	---	---	---
Virgin Islands	64.0	77.1	62.6	60.7	9.1	*	8.0	13.8
Guam	60.4	86.0	74.1	74.5	13.5	*	*	*
American Samoa	---	---	---	---	---	---	---	---
Northern Marianas	33.3	---	---	---	27.6	---	---	---

¹ Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.² Data not available.³ Care beginning in 3d trimester.⁴ Includes races other than white and black and origin not stated.⁵ Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004; six of these states are shown in this table. The multiple-race data for these states are bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁶ Includes all persons of Hispanic origin of any race.⁷ Excludes data for the territories.

NOTE: Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which implemented the 2003 Revision of the U.S. Certificate of Live Birth; see "Technical Notes." Prenatal care data based on the 2003 Revision of the U.S. Certificate of Live Birth are not comparable with those based on the 1989 Revision of the U.S. Certificate of Live Birth.

Table 27. Number of live births by attendant, place of delivery, and race and Hispanic origin of mother: United States, 2004

Place of delivery and race and Hispanic origin of mother	All births	Physician			Midwife				Other	Unspecified
		Total	Doctor of medicine	Doctor of osteopathy	Total	Certified nurse midwife	Other midwife			
All races¹										
Total	4,112,052	3,757,438	3,571,457	185,981	325,899	308,113	17,786	19,711	9,004	
In hospital ²	4,075,709	3,753,571	3,568,141	185,430	302,856	298,603	4,253	10,868	8,414	
Not in hospital	35,578	3,669	3,127	542	22,662	9,483	13,179	8,681	566	
Freestanding birthing center	9,620	867	584	283	8,567	5,645	2,922	176	10	
Clinic or doctor's office	469	245	231	14	129	74	55	94	1	
Residence.	23,150	1,972	1,752	220	13,571	3,591	9,980	7,213	394	
Other	2,339	585	560	25	395	173	222	1,198	161	
Not specified	765	198	189	9	381	27	354	162	24	
Non-Hispanic white³										
Total	2,296,683	2,104,840	1,981,228	123,612	174,145	160,027	14,118	11,521	6,177	
In hospital ²	2,268,513	2,102,336	1,979,223	123,113	154,712	152,196	2,516	5,536	5,929	
Not in hospital	27,525	2,352	1,862	490	19,069	7,811	11,258	5,861	243	
Freestanding birthing center	7,625	831	549	282	6,642	4,501	2,141	143	9	
Clinic or doctor's office	326	182	174	8	91	52	39	53	—	
Residence.	18,286	1,112	924	188	12,019	3,145	8,874	4,960	195	
Other	1,288	227	215	12	317	113	204	705	39	
Not specified	645	152	143	9	364	20	344	124	5	
Non-Hispanic black³										
Total	578,772	534,069	516,143	17,926	40,615	39,809	806	2,603	1,485	
In hospital ²	576,122	533,330	515,426	17,904	39,969	39,401	568	1,470	1,353	
Not in hospital	2,594	715	693	22	636	402	234	1,112	131	
Freestanding birthing center	378	8	8	—	361	251	110	8	1	
Clinic or doctor's office	20	14	13	1	6	4	2	—	—	
Residence.	1,737	497	484	13	246	127	119	915	79	
Other	459	196	188	8	23	20	3	189	51	
Not specified	56	24	24	—	10	6	4	21	1	
Hispanic⁴										
Total	946,349	854,335	819,370	34,965	87,136	85,030	2,106	4,102	776	
In hospital ²	942,741	853,956	819,013	34,943	85,051	84,188	863	3,060	674	
Not in hospital	3,589	373	351	22	2,083	842	1,241	1,032	101	
Freestanding birthing center	1,314	24	23	1	1,273	673	600	17	—	
Clinic or doctor's office	46	18	15	3	19	9	10	9	—	
Residence.	1,827	220	206	14	756	133	623	785	66	
Other	402	111	107	4	35	27	8	221	35	
Not specified	19	6	6	—	2	—	2	10	1	

— Quantity zero.

¹Includes races other than white and black and origin not stated.²Includes births occurring en route to or on arrival at hospital.³Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁴Includes all persons of Hispanic origin of any race.

Table 28. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989–2004

Year and race and Hispanic origin of mother	Births by method of delivery							Cesarean delivery rate		Rate of vaginal birth after previous cesarean ⁵	
	Vaginal			Cesarean				Not stated	Total ³	Primary ⁴	
	All births	Total ¹	After previous cesarean	Total ²	Primary	Repeat					
All races⁶											
2004	4,112,052	2,903,341	45,838	1,190,210	740,296	449,846	18,501	29.1	20.6	9.2	
2003	4,089,950	2,949,853	51,602	1,119,388	684,484	434,699	20,709	27.5	19.1	10.6	
2002	4,021,726	2,958,423	59,248	1,043,846	634,426	409,420	19,457	26.1	18.0	12.6	
2001	4,025,933	3,027,993	74,048	978,411	601,383	377,028	19,529	24.4	16.9	16.4	
2000	4,058,814	3,108,188	89,978	923,991	577,638	346,353	26,635	22.9	16.1	20.6	
1999	3,959,417	3,063,870	97,680	862,086	542,080	320,006	33,461	22.0	15.5	23.4	
1998	3,941,553	3,078,537	108,903	825,870	519,975	305,895	37,146	21.2	14.9	26.3	
1997	3,880,894	3,046,621	112,145	799,033	502,526	296,507	35,240	20.8	14.6	27.4	
1996	3,891,494	3,061,092	116,045	797,119	503,724	293,395	33,283	20.7	14.6	28.3	
1995	3,899,589	3,063,724	112,439	806,722	510,104	296,618	29,143	20.8	14.7	27.5	
1994	3,952,767	3,087,576	110,341	830,517	520,647	309,870	34,674	21.2	14.9	26.3	
1993	4,000,240	3,098,796	103,581	861,987	539,251	322,736	39,457	21.8	15.3	24.3	
1992	4,065,014	3,100,710	97,549	888,622	554,662	333,960	75,682	22.3	15.6	22.6	
1991	4,110,907	3,100,891	90,690	905,077	569,195	335,882	104,939	22.6	15.9	21.3	
1990 ^{7,11}	4,110,563	3,111,421	84,299	914,096	575,066	339,030	85,046	22.7	16.0	19.9	
1989 ^{8,12}	3,798,734	2,793,463	71,019	826,955	521,873	305,082	178,316	22.8	16.1	18.9	
Non-Hispanic white⁹											
2004	2,296,683	1,617,994	24,776	667,836	425,558	242,226	10,853	29.2	21.1	9.3	
2003	2,321,904	1,671,414	28,751	637,482	398,368	238,990	13,008	27.6	19.5	10.7	
2002	2,298,156	1,687,144	33,440	598,682	370,339	228,343	12,330	26.2	18.3	12.8	
2001	2,326,578	1,746,551	43,215	567,488	353,977	213,511	12,539	24.5	17.2	16.8	
2000	2,362,968	1,804,550	52,912	540,794	342,732	198,062	17,624	23.1	16.4	21.1	
1999	2,346,450	1,810,682	59,480	514,051	327,106	186,945	21,717	22.1	15.7	24.1	
1998	2,361,462	1,842,420	67,787	495,550	315,138	180,412	23,492	21.2	15.1	27.3	
1997	2,333,363	1,829,213	70,284	481,982	305,605	176,377	22,168	20.9	14.8	28.5	
1996	2,358,989	1,851,058	73,973	485,530	308,482	177,048	22,401	20.8	14.8	29.5	
1995	2,382,638	1,867,024	72,124	496,103	313,933	182,170	19,511	21.0	14.9	28.4	
1994	2,438,855	1,896,609	71,597	518,021	324,236	193,785	24,225	21.5	15.1	27.0	
1993	2,472,031	1,902,433	67,536	542,013	338,236	203,777	27,585	22.2	15.6	24.9	
1992 ¹⁰	2,527,207	1,916,414	63,828	566,788	352,470	214,318	44,005	22.8	16.0	22.9	
1991 ¹⁰	2,589,878	1,941,726	60,174	587,802	368,721	219,081	60,350	23.2	16.4	21.5	
1990 ^{7,11}	2,626,500	1,972,754	55,952	603,467	378,508	224,959	50,279	23.4	16.5	19.9	
1989 ^{8,12}	2,526,367	1,806,753	47,559	556,585	349,858	206,727	163,029	23.6	16.6	18.7	
Non-Hispanic black⁹											
2004	578,772	397,877	7,308	178,461	113,202	65,248	2,434	31.0	22.5	10.1	
2003	576,033	405,671	8,109	167,506	103,694	63,802	2,856	29.2	20.7	11.3	
2002	578,335	416,516	9,317	159,297	98,245	61,052	2,522	27.7	19.4	13.2	
2001	589,917	435,455	11,417	151,908	94,912	56,996	2,554	25.9	18.3	16.7	
2000	604,346	454,736	13,910	146,042	92,044	53,998	3,568	24.3	17.3	20.5	
1999	588,981	449,580	14,999	135,508	85,898	49,610	3,893	23.2	16.5	23.2	
1998	593,127	457,186	16,510	131,999	84,169	47,830	3,942	22.4	16.0	25.7	
1997	581,431	451,744	16,353	126,138	80,599	45,539	3,549	21.8	15.6	26.4	
1996	578,099	449,544	16,322	124,836	80,457	44,379	3,719	21.7	15.7	26.9	
1995	587,781	457,104	15,721	127,171	82,395	44,776	3,506	21.8	15.7	26.0	
1994	619,198	480,551	16,478	134,526	86,411	48,115	4,121	21.9	15.7	25.5	
1993	641,273	496,333	15,675	139,702	89,315	50,387	5,238	22.0	15.7	23.7	
1992 ¹⁰	657,450	502,669	14,950	143,153	91,086	52,067	11,628	22.2	15.7	22.3	
1991 ¹⁰	666,758	507,522	13,847	142,417	90,664	51,753	16,819	21.9	15.5	21.1	
1990 ^{7,11}	661,701	503,720	13,157	142,838	91,175	51,663	15,143	22.1	15.7	20.3	
1989 ^{8,12}	611,269	440,310	10,726	125,290	81,177	44,113	45,669	22.2	15.9	19.6	

See footnotes at end of table.

Table 28. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, 1989–2004—Con.

Year and race and Hispanic origin of mother	Births by method of delivery						Cesarean delivery rate			Rate of vaginal birth after previous cesarean ⁵	
	Vaginal			Cesarean			Not stated	Total ³	Primary ⁴		
	All births	Total ¹	After previous cesarean	Total ²	Primary	Repeat					
Hispanic¹³											
2004	946,349	679,118	10,418	263,454	148,667	114,785	3,777	28.0	18.2	8.3	
2003	912,329	667,656	11,153	241,159	134,231	106,912	3,514	26.5	17.0	9.4	
2002	876,642	653,516	12,610	219,777	122,603	97,174	3,349	25.2	16.1	11.5	
2001	851,851	648,821	14,846	199,874	113,529	86,345	3,156	23.6	15.2	14.7	
2000	815,868	633,220	17,062	179,583	104,597	74,986	3,065	22.1	14.5	18.5	
1999	764,339	599,118	16,915	161,035	94,433	66,602	4,186	21.2	14.0	20.3	
1998	734,661	580,143	17,803	150,317	88,763	61,554	4,201	20.6	13.6	22.4	
1997	709,767	563,114	17,942	142,907	84,410	58,497	3,746	20.2	13.4	23.5	
1996	701,339	558,105	18,491	139,554	83,392	56,162	3,680	20.0	13.4	24.8	
1995	679,768	539,731	17,396	136,640	82,662	53,978	3,397	20.2	13.7	24.4	
1994	665,026	525,928	16,206	135,569	81,961	53,608	3,529	20.5	13.9	23.2	
1993	654,418	514,493	14,586	136,279	82,576	53,703	3,646	20.9	14.2	21.4	
1992 ¹⁰	643,271	494,338	13,111	133,369	81,211	52,158	15,564	21.2	14.4	20.1	
1991 ¹⁰	623,085	472,126	11,615	129,752	80,228	49,524	21,207	21.6	14.8	19.0	
1990 ^{7,11}	595,073	458,242	10,395	122,969	76,027	46,942	13,862	21.2	14.5	18.1	
1989 ^{8,12}	532,249	385,462	8,549	105,268	64,905	40,363	41,519	21.5	14.7	17.5	

¹For 2003 and 2004 includes unknown type of vaginal delivery; see "Technical Notes."²For 2003 and 2004 includes unknown type of cesarean delivery; see "Technical Notes."³Percent of all live births by cesarean delivery.⁴Number of primary cesareans per 100 live births to women who have not had a previous cesarean.⁵Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.⁶Includes races other than white and black and origin not stated.⁷Excludes data for Oklahoma, which did not report method of delivery on the birth certificate.⁸Excludes data for Louisiana, Maryland, Nebraska, Nevada, and Oklahoma, which did not report method of delivery on the birth certificate.⁹Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."¹⁰Excludes data for New Hampshire, which did not report Hispanic origin.¹¹Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.¹²Excludes data for Louisiana, New Hampshire, and Oklahoma, which did not report Hispanic origin.¹³Includes all persons of Hispanic origin of any race.

Table 29. Live births by method of delivery and rates of cesarean delivery and vaginal birth after previous cesarean delivery, by age and race and Hispanic origin of mother: United States, 2004

Age and race and Hispanic origin of mother	Births by method of delivery						Cesarean delivery rate			Rate of vaginal birth after previous cesarean ⁵	
	Vaginal			Cesarean			Not stated	Total ³	Primary ⁴		
	All births	Total ¹	After previous cesarean	Total ²	Primary	Repeat					
All races ⁶	4,112,052	2,903,341	45,838	1,190,210	740,316	449,846	18,501	29.1	20.6	9.2	
Under 20 years	422,043	334,480	1,016	86,042	75,344	10,689	1,521	20.5	18.4	8.7	
20–24 years	1,034,454	780,452	7,894	249,867	167,633	82,216	4,135	24.3	17.8	8.8	
25–29 years	1,104,485	793,450	12,707	306,069	188,096	117,964	4,966	27.8	19.4	9.7	
30–34 years	965,663	643,434	13,896	317,542	181,453	136,082	4,687	33.0	22.4	9.3	
35–39 years	475,606	290,945	8,393	182,160	99,409	82,747	2,501	38.5	26.0	9.2	
40–54 years	109,801	60,580	1,932	48,530	28,381	20,148	691	44.5	32.6	8.8	
Non-Hispanic white ⁷	2,296,683	1,617,994	24,776	667,836	425,576	242,226	10,853	29.2	21.1	9.3	
Under 20 years	170,272	134,749	265	34,839	31,316	3,518	684	20.5	18.9	7.0	
20–24 years	517,148	391,486	3,134	123,470	86,377	37,079	2,192	24.0	18.2	7.8	
25–29 years	631,726	457,120	6,252	171,666	111,704	59,956	2,940	27.3	19.9	9.4	
30–34 years	604,040	406,347	8,343	194,671	115,033	79,633	3,022	32.4	22.4	9.5	
35–39 years	304,085	189,135	5,474	113,346	63,212	50,131	1,604	37.5	25.6	9.8	
40–54 years	69,412	39,157	1,308	29,844	17,934	11,909	411	43.3	32.2	9.9	
Non-Hispanic black ⁷	578,772	397,877	7,308	178,461	113,202	65,248	2,434	31.0	22.5	10.1	
Under 20 years	100,019	77,119	340	22,568	19,620	2,944	332	22.6	20.4	10.4	
20–24 years	188,761	136,355	1,898	51,703	33,736	17,963	703	27.5	20.1	9.6	
25–29 years	138,093	94,209	2,257	43,261	25,140	18,118	623	31.5	21.5	11.1	
30–34 years	92,646	57,656	1,625	34,546	19,702	14,844	444	37.5	26.0	9.9	
35–39 years	46,945	26,300	977	20,387	11,451	8,936	258	43.7	31.1	9.9	
40–54 years	12,308	6,238	211	5,996	3,553	2,443	74	49.0	37.1	8.0	
Hispanic ⁸	946,349	679,118	10,418	263,454	148,667	114,785	3,777	28.0	18.2	8.3	
Under 20 years	135,400	109,043	369	25,922	22,009	3,913	435	19.2	16.8	8.6	
20–24 years	279,746	213,943	2,478	64,797	40,437	24,360	1,006	23.2	16.1	9.2	
25–29 years	254,358	182,305	3,356	71,011	36,893	34,118	1,042	28.0	17.1	9.0	
30–34 years	177,762	116,054	2,708	60,909	29,338	31,570	799	34.4	20.6	7.9	
35–39 years	81,021	48,091	1,249	32,545	15,708	16,836	385	40.4	25.1	6.9	
40–54 years	18,062	9,682	258	8,270	4,282	3,988	110	46.1	31.2	6.1	

¹Includes unknown type of vaginal delivery; see "Technical Notes."²Includes unknown type of cesarean delivery; see "Technical Notes."³Percent of all live births by cesarean delivery.⁴Number of primary cesareans per 100 live births to women who have not had a previous cesarean.⁵Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.⁶Includes races other than white and black and origin not stated.⁷Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁸Includes all persons of Hispanic origin of any race.

Table 30. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2004

[By place of residence]

State	Cesarean delivery rate ¹				Rate of vaginal births after previous cesarean ²			
	All races ³	Non-Hispanic			All races ³	Non-Hispanic		
		White ⁴	Black ⁴	Hispanic ⁵		White ⁴	Black ⁴	Hispanic ⁵
United States ⁶	29.1	29.2	31.0	28.0	9.2	9.3	10.1	8.3
Alabama	31.3	31.8	31.9	24.2	5.8	5.8	5.2	8.5
Alaska	20.9	23.2	24.7	21.9	19.2	12.8	*	*
Arizona	23.3	25.5	26.2	21.6	7.4	7.2	*	6.0
Arkansas	31.0	31.4	33.2	24.9	8.3	6.8	7.9	18.4
California	29.3	29.9	33.5	28.6	5.4	5.8	5.7	5.0
Colorado	23.8	24.7	25.0	21.9	13.0	12.1	16.0	13.6
Connecticut	30.1	30.8	31.8	27.1	9.8	9.2	10.8	10.4
Delaware	30.3	31.0	31.3	26.1	11.3	10.4	10.6	14.5
District of Columbia	30.2	31.5	30.9	25.1	7.0	*	7.3	*
Florida	33.2	32.0	32.9	35.7	7.2	7.3	8.9	5.6
Georgia	29.2	30.0	30.5	23.5	7.1	6.6	6.4	9.5
Hawaii	24.2	23.5	23.4	24.7	13.5	14.4	*	10.1
Idaho	22.2	21.9	27.8	23.3	18.7	18.1	*	20.8
Illinois	27.5	28.4	27.8	25.0	11.3	10.6	11.5	12.1
Indiana	27.0	26.9	28.6	25.9	8.2	7.9	8.5	10.2
Iowa	26.3	26.3	27.4	26.7	9.9	9.7	11.1	10.1
Kansas	28.1	28.4	30.3	25.4	7.1	7.1	*	7.4
Kentucky	32.1	32.4	30.3	28.2	9.1	8.4	13.4	15.9
Louisiana	32.2	33.1	31.0	33.4	4.2	2.9	5.9	*
Maine	27.7	27.6	24.0	31.8	6.4	6.5	*	*
Maryland	30.4	29.9	32.8	25.8	12.1	11.8	11.9	13.0
Massachusetts	30.9	31.8	32.2	26.7	11.0	9.9	12.0	14.4
Michigan	27.9	28.0	28.2	25.9	9.5	9.3	9.5	11.7
Minnesota	24.3	25.2	25.0	22.0	11.6	9.6	20.4	17.6
Mississippi	33.1	34.0	32.7	24.6	5.2	4.2	5.8	*
Missouri	28.9	29.2	28.3	25.5	10.1	9.5	11.7	12.3
Montana	25.6	24.6	*	30.9	11.8	13.3	*	*
Nebraska	29.1	30.0	26.5	26.0	7.8	7.1	11.8	10.2
Nevada	29.4	31.4	33.6	25.3	6.3	5.2	5.1	8.4
New Hampshire	27.0	27.2	27.5	29.1	11.2	11.3	*	*
New Jersey	34.9	35.4	35.6	33.7	11.4	10.8	16.3	9.8
New Mexico	21.3	23.0	23.8	21.4	15.8	14.0	*	14.5
New York	30.5	31.2	31.9	29.4	14.5	14.3	15.2	14.3
North Carolina	28.4	29.3	30.1	22.4	9.9	8.2	10.5	15.1
North Dakota	25.2	25.0	26.7	27.4	11.3	11.6	*	*
Ohio	26.9	26.8	27.5	26.3	11.5	10.8	14.8	11.2
Oklahoma	30.9	31.4	32.2	27.2	5.1	4.8	4.4	6.6
Oregon	26.5	26.7	32.2	24.9	11.2	9.4	*	16.5
Pennsylvania	27.6	27.9	27.5	25.7	17.7	16.3	24.2	17.8
Rhode Island	28.8	31.1	26.8	25.8	11.6	10.2	19.0	14.0
South Carolina	31.5	31.8	32.2	27.0	11.5	9.4	13.0	16.9
South Dakota	25.5	25.7	25.4	22.3	15.0	15.3	*	*
Tennessee	30.2	31.0	29.3	25.5	12.5	10.5	18.4	15.0
Texas	31.4	32.6	34.4	29.9	5.8	4.8	5.0	6.5
Utah	20.4	19.7	20.9	23.9	19.2	19.1	*	19.7
Vermont	24.1	24.1	*	*	18.3	17.8	*	*
Virginia	30.3	30.2	31.1	27.3	7.8	7.6	8.9	7.2
Washington	27.3	27.2	32.9	25.7	14.4	13.8	13.2	16.9
West Virginia	33.3	33.3	32.6	31.1	6.3	6.4	*	*
Wisconsin	22.7	23.3	20.5	21.3	13.7	13.2	17.0	13.7
Wyoming	24.4	23.7	*	28.4	8.8	9.3	*	*

See footnotes at end of table.

Table 30. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by race and Hispanic origin of mother: United States, each state and territory, 2004—Con.

[By place of residence]

State	Cesarean delivery rate ¹				Rate of vaginal births after previous cesarean ²			
	All races ³	Non-Hispanic			All races ³	Non-Hispanic		
		White ⁴	Black ⁴	Hispanic ⁵		White ⁴	Black ⁴	Hispanic ⁵
Puerto Rico	47.7	*	--	*	--	--	*	*
Virgin Islands	25.1	29.1	24.2	26.7	22.6	*	22.0	*
Guam.	27.0	25.1	*	*	12.1	*	*	*
American Samoa	--	--	--	--	--	--	--	--
Northern Marianas	21.1	*	--	*	--	--	*	*

¹ Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.² Data not available.³ Percent of all live births by cesarean delivery.⁴ Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.⁵ Includes races other than white and black and origin not stated.⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁵Includes all persons of Hispanic origin of any race.⁶Excludes data for the territories.

NOTE: Data for states which implemented the 2003 Revision of the U.S. Standard Certificate of Live Birth in 2003 or 2004 show higher-than-expected VBAC rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard Certificate of Live Birth. Changes in VBAC deliveries for states which have implemented the revised certificates should be interpreted with caution; see "Technical Notes."

Table 31. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2004

Birthweight ¹ and race and Hispanic origin of mother	All births	Period of gestation ²										
		Preterm					Term					Postterm
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total weeks	37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over
Number												
All races ³	4,112,052	508,356	30,670	50,975	238,531	188,180	3,308,179	2,130,486	800,506	377,187	252,543	42,974
Less than 500 grams	6,282	6,077	5,833	226	16	2	16	11	1	4	5	184
500–999 grams	23,433	22,770	16,895	5,239	594	42	206	137	38	31	31	426
1,000–1,499 grams	30,925	28,678	3,992	16,643	7,492	551	1,548	1,105	274	169	239	460
1,500–1,999 grams	65,691	54,845	960	12,511	35,863	5,511	9,202	7,577	1,076	549	822	822
2,000–2,499 grams	205,441	107,375	604	4,461	69,709	32,601	90,703	76,014	10,134	4,555	5,058	2,305
2,500–2,999 grams	729,675	136,253	1,043	4,279	61,056	69,875	552,206	425,101	89,843	37,262	33,643	7,573
3,000–3,499 grams	1,573,189	101,935	—	5,034	41,626	55,275	1,356,914	904,398	314,963	137,553	98,438	15,902
3,500–3,999 grams	1,124,630	39,463	—	2,438	17,495	19,530	990,267	563,402	286,500	140,365	83,773	11,127
4,000–4,499 grams	299,081	7,708	—	—	3,758	3,950	262,732	131,238	83,748	47,746	25,617	3,024
4,500–4,999 grams	44,889	1,191	—	—	549	642	38,885	18,481	12,432	7,972	4,332	481
5,000 grams or more	5,007	183	—	—	93	90	4,265	2,278	1,150	837	466	93
Not stated	3,809	1,878	1,343	144	280	111	1,235	744	347	144	119	577
Percent												
Very low birthweight ⁴	1.5	11.4	91.1	43.5	3.4	0.3	0.1	0.1	0.0	0.1	0.1	2.5
Low birthweight ⁵	8.1	43.4	96.4	76.9	47.7	20.6	3.1	4.0	1.4	1.4	2.4	9.9
Number												
Non-Hispanic white ⁶	2,296,683	262,643	12,655	24,590	122,586	102,812	1,883,739	1,211,397	456,217	216,125	138,455	11,844
Less than 500 grams	2,404	2,357	2,258	92	6	1	11	8	1	2	2	34
500–999 grams	9,988	9,778	7,004	2,482	275	17	100	64	17	19	14	96
1,000–1,499 grams	15,136	14,212	1,773	8,381	3,782	276	688	488	130	70	108	128
1,500–1,999 grams	33,891	28,866	370	6,653	18,990	2,853	4,394	3,622	495	277	381	250
2,000–2,499 grams	103,852	57,548	258	1,935	38,216	17,139	43,281	36,543	4,609	2,129	2,402	621
2,500–2,999 grams	360,878	72,726	408	1,644	32,178	38,496	270,410	211,571	41,475	17,364	15,859	1,883
3,000–3,499 grams	852,959	51,793	—	2,116	18,813	30,864	745,882	504,508	168,271	73,103	51,107	4,176
3,500–3,999 grams	686,535	19,896	—	1,216	8,085	10,595	614,242	352,840	176,025	85,377	49,114	3,282
4,000–4,499 grams	196,457	3,910	—	—	1,793	2,117	175,300	87,763	55,847	31,690	16,239	1,008
4,500–4,999 grams	29,782	599	—	—	264	335	26,164	12,267	8,433	5,464	2,856	163
5,000 grams or more	3,027	82	—	—	33	49	2,622	1,325	746	551	299	24
Not stated	1,774	876	584	71	151	70	645	398	167	79	74	179
Percent												
Very low birthweight ⁴	1.2	10.1	91.4	44.7	3.3	0.3	0.0	0.0	0.0	0.0	0.1	2.2
Low birthweight ⁵	7.2	43.1	96.6	79.7	50.0	19.7	2.6	3.4	1.2	1.2	2.1	9.7
Number												
Non-Hispanic black ⁶	578,772	102,967	10,444	12,848	47,158	32,517	438,385	292,300	100,286	45,799	33,564	3,856
Less than 500 grams	2,388	2,337	2,249	82	5	1	—	—	—	—	3	48
500–999 grams	7,632	7,504	5,785	1,548	158	13	38	24	10	4	10	80
1,000–1,499 grams	8,171	7,632	1,122	4,467	1,908	135	401	298	60	43	66	72
1,500–1,999 grams	15,280	12,668	323	2,818	8,257	1,270	2,280	1,884	264	132	172	160
2,000–2,499 grams	45,907	22,705	184	1,189	14,239	7,093	21,611	17,928	2,569	1,114	1,213	378
2,500–2,999 grams	141,219	25,631	321	1,224	11,574	12,512	107,803	82,329	18,133	7,341	6,921	864
3,000–3,499 grams	220,105	17,125	—	1,129	7,682	8,314	187,156	123,452	44,351	19,353	14,531	1,293
3,500–3,999 grams	110,479	5,633	—	360	2,654	2,619	95,765	54,409	27,622	13,734	8,388	693
4,000–4,499 grams	22,980	981	—	—	531	450	19,916	10,140	6,291	3,485	1,936	147
4,500–4,999 grams	3,249	154	—	—	74	80	2,805	1,482	819	504	267	23
5,000 grams or more	460	33	—	—	20	13	384	237	87	60	35	8
Not stated	902	564	460	31	56	17	226	117	80	29	22	90
Percent												
Very low birthweight ⁴	3.1	17.1	91.7	47.6	4.4	0.5	0.1	0.1	0.1	0.1	0.2	5.3
Low birthweight ⁵	13.7	51.6	96.8	78.8	52.2	26.2	5.6	6.9	2.9	2.8	4.4	19.6

See footnotes at end of table.

Table 31. Live births by birthweight and percentage very low and low birthweight, by period of gestation and race and Hispanic origin of mother: United States, 2004—Con.

Birthweight ¹ and race and Hispanic origin of mother	All births	Period of gestation ²										
		Preterm					Term					Postterm
		Total under 37 weeks	Under 28 weeks	28–31 weeks	32–35 weeks	36 weeks	Total weeks	37–41 weeks	37–39 weeks	40 weeks	41 weeks	42 weeks and over
Hispanic ⁷	946,349	110,938	5,844	10,511	53,870	40,713	749,757	473,195	187,028	89,534	63,916	21,738
Less than 500 grams	1,093	1,007	960	42	5	—	4	2	—	2	—	82
500–999 grams	4,523	4,251	3,211	911	120	9	55	38	10	7	6	211
1,000–1,499 grams	5,717	5,106	879	2,824	1,306	97	367	256	69	42	44	200
1,500–1,999 grams	12,317	9,894	200	2,331	6,354	1,009	1,890	1,534	241	115	211	322
2,000–2,499 grams	40,533	20,034	130	1,051	12,894	5,959	18,404	15,186	2,208	1,010	1,117	978
2,500–2,999 grams	166,140	28,977	246	1,130	13,482	14,119	125,125	93,787	21,985	9,353	8,395	3,643
3,000–3,499 grams	381,659	26,866	—	1,487	12,476	12,903	320,503	208,344	77,449	34,710	25,912	8,378
3,500–3,999 grams	259,009	11,667	—	706	5,733	5,228	220,197	122,697	64,935	32,565	21,159	5,986
4,000–4,499 grams	63,993	2,401	—	—	1,239	1,162	53,992	26,822	17,229	9,941	6,007	1,593
4,500–4,999 grams	9,558	373	—	—	184	189	7,996	3,807	2,606	1,583	950	239
5,000 grams or more	1,226	52	—	—	29	23	1,022	585	249	188	100	52
Not stated	581	310	218	29	48	15	202	137	47	18	15	54
Percent												
Very low birthweight ⁴	1.2	9.4	89.8	36.0	2.7	0.3	0.1	0.1	0.0	0.1	0.1	2.3
Low birthweight ⁵	6.8	36.4	95.6	68.3	38.4	17.4	2.8	3.6	1.4	1.3	2.2	8.3

⁰0 Quantity more than zero but less than 0.05.

— Quantity zero.

¹Equivalents of the gram weights in pounds and ounces are shown in the "Technical Notes."²Expressed in completed weeks.³Includes races other than white and black and origin not stated.⁴Birthweight of less than 1,500 grams (3 lb 4 oz).⁵Birthweight of less than 2,500 grams (5 lb 8 oz).⁶Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁷Includes all persons of Hispanic origin of any race.

Table 32. Percentage of live births very preterm and preterm and percentage of live births of very low birthweight and low birthweight, by race and Hispanic origin of mother: United States, 1981–2004

Year	Very preterm ¹				Preterm ²			
	All races ³	Non-Hispanic			All races ³	Non-Hispanic		
		White ⁴	Black ⁴	Hispanic ⁵		White ⁴	Black ⁴	Hispanic ⁵
2004	2.01	1.63	4.05	1.77	12.5	11.5	17.9	12.0
2003	1.97	1.60	3.99	1.73	12.3	11.3	17.8	11.9
2002	1.96	1.56	4.04	1.72	12.1	11.0	17.7	11.6
2001	1.95	1.55	4.05	1.69	11.9	10.8	17.6	11.4
2000	1.93	1.51	4.09	1.69	11.6	10.4	17.4	11.2
1999	1.96	1.54	4.18	1.68	11.8	10.5	17.6	11.4
1998	1.96	1.52	4.15	1.72	11.6	10.2	17.6	11.4
1997	1.94	1.49	4.19	1.68	11.4	9.9	17.6	11.2
1996	1.89	1.43	4.17	1.66	11.0	9.5	17.5	10.9
1995	1.89	1.41	4.29	1.66	11.0	9.4	17.8	10.9
1994	1.91	1.39	4.36	1.67	11.0	9.3	18.2	10.9
1993	1.93	1.39	4.45	1.67	11.0	9.1	18.6	11.0
1992 ⁸	1.91	1.33	4.50	1.64	10.7	8.7	18.5	10.7
1991 ⁸	1.94	1.35	4.65	1.65	10.8	8.7	19.0	11.0
1990 ⁹	1.92	1.33	4.63	1.69	10.6	8.5	18.9	11.0
1989 ¹⁰	1.95	1.34	4.68	1.76	10.6	8.4	19.0	11.1
1988	1.96	---	---	---	10.2	---	---	---
1987	1.96	---	---	---	10.2	---	---	---
1986	1.90	---	---	---	10.0	---	---	---
1985	1.88	---	---	---	9.8	---	---	---
1984	1.83	---	---	---	9.4	---	---	---
1983	1.86	---	---	---	9.6	---	---	---
1982	1.84	---	---	---	9.5	---	---	---
1981	1.81	---	---	---	9.4	---	---	---

Year	Very low birthweight ⁶				Low birthweight ⁷			
	All races ³	Non-Hispanic			All races ³	Non-Hispanic		
		White ⁴	Black ⁴	Hispanic ⁵		White ⁴	Black ⁴	Hispanic ⁵
2004	1.48	1.20	3.15	1.20	8.1	7.2	13.7	6.8
2003	1.45	1.18	3.12	1.16	7.9	7.0	13.6	6.7
2002	1.46	1.17	3.15	1.17	7.8	6.9	13.4	6.5
2001	1.44	1.17	3.08	1.14	7.7	6.8	13.1	6.5
2000	1.43	1.14	3.10	1.14	7.6	6.6	13.1	6.4
1999	1.45	1.15	3.18	1.14	7.6	6.6	13.2	6.4
1998	1.45	1.15	3.11	1.15	7.6	6.6	13.2	6.4
1997	1.42	1.12	3.05	1.13	7.5	6.5	13.1	6.4
1996	1.37	1.08	3.02	1.12	7.4	6.4	13.1	6.3
1995	1.35	1.04	2.98	1.11	7.3	6.2	13.2	6.3
1994	1.33	1.01	2.99	1.08	7.3	6.1	13.3	6.2
1993	1.33	1.00	2.99	1.06	7.2	5.9	13.4	6.2
1992 ⁸	1.29	0.94	2.97	1.04	7.1	5.7	13.4	6.1
1991 ⁸	1.29	0.94	2.97	1.02	7.1	5.7	13.6	6.1
1990 ⁹	1.27	0.93	2.93	1.03	7.0	5.6	13.3	6.1
1989 ¹⁰	1.28	0.93	2.97	1.05	7.0	5.6	13.6	6.2
1988	1.24	---	---	---	6.9	---	---	---
1987	1.24	---	---	---	6.9	---	---	---
1986	1.21	---	---	---	6.8	---	---	---
1985	1.21	---	---	---	6.8	---	---	---
1984	1.19	---	---	---	6.7	---	---	---
1983	1.19	---	---	---	6.8	---	---	---
1982	1.18	---	---	---	6.8	---	---	---
1981	1.16	---	---	---	6.8	---	---	---

--- Data not available.

¹Births of less than 32 completed weeks of gestation.²Births of less than 37 completed weeks of gestation.³Includes races other than white and black and origin not stated.⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁵Includes all persons of Hispanic origin of any race.⁶Less than 1,500 grams (3 lb 4 oz).⁷Less than 2,500 grams (5 lb 8 oz).⁸Data by Hispanic origin exclude New Hampshire, which did not report Hispanic origin.⁹Data by Hispanic origin exclude New Hampshire and Oklahoma, which did not report Hispanic origin.¹⁰Data by Hispanic origin exclude New Hampshire, Oklahoma, and Louisiana, which did not report Hispanic origin.

Table 33. Number and percentage of births delivered preterm, by race and Hispanic origin of mother: United States, each State and territory, 2004

[By place of residence. Preterm is less than 37 completed weeks of gestation]

State	Number				Percent			
	All races ¹	Non-Hispanic			All races ¹	Non-Hispanic		
		White ²	Black ²	Hispanic ³		White ²	Black ²	
United States ⁴	508,356	262,643	102,967	110,938	12.5	11.5	17.9	12.0
Alabama	9,599	5,193	3,815	462	16.1	14.0	21.3	13.9
Alaska	1,084	452	39	82	10.5	8.8	13.2	9.4
Arizona	12,450	5,004	519	5,547	13.3	12.6	18.4	13.4
Arkansas	5,037	3,247	1,294	386	13.1	12.1	17.7	11.0
California	54,158	15,035	4,205	27,714	10.7	9.8	15.1	10.9
Colorado	8,429	4,761	484	2,826	12.3	11.6	17.3	13.0
Connecticut	4,231	2,493	697	822	10.1	9.2	14.2	10.8
Delaware	1,490	772	484	169	13.1	12.0	17.0	11.1
District of Columbia	1,141	176	799	134	14.4	8.8	17.1	13.5
Florida	29,287	12,461	8,558	7,297	13.4	11.9	18.2	12.5
Georgia	17,703	7,795	7,253	1,909	12.8	11.4	16.8	9.5
Hawaii	2,210	401	74	326	12.1	9.3	15.3	12.2
Idaho	2,477	1,994	8	350	11.0	10.9	*	10.8
Illinois	23,553	11,681	5,828	5,033	13.1	11.9	19.0	11.8
Indiana	11,483	8,586	1,779	891	13.2	12.6	18.6	12.3
Iowa	4,519	3,783	240	341	11.8	11.5	16.5	12.0
Kansas	4,667	3,353	466	634	11.8	11.5	16.9	11.6
Kentucky	8,026	6,744	871	304	14.4	14.1	18.4	13.8
Louisiana	10,165	4,393	5,345	235	15.6	12.5	20.1	12.1
Maine	1,475	1,379	31	11	10.6	10.5	14.3	*
Maryland	9,910	4,339	4,113	955	13.3	11.4	17.0	12.5
Massachusetts	8,829	6,011	1,051	1,144	11.3	10.8	15.7	11.6
Michigan	15,954	10,155	4,060	849	12.3	11.2	18.3	10.9
Minnesota	7,416	5,445	715	543	10.5	10.2	12.9	10.2
Mississippi	7,669	3,309	4,083	163	17.9	14.8	22.1	14.8
Missouri	10,075	7,165	2,179	479	13.0	11.9	19.3	12.5
Montana	1,336	1,032	9	41	11.6	11.1	*	11.0
Nebraska	3,110	2,320	218	396	11.8	11.8	14.2	11.5
Nevada	4,716	2,044	530	1,666	13.5	12.8	19.1	12.8
New Hampshire.....	1,470	1,316	28	45	10.1	10.2	14.7	9.7
New Jersey	14,293	6,672	3,026	3,479	12.4	11.1	17.9	12.7
New Mexico	3,567	1,026	81	1,916	12.6	11.6	18.0	12.7
New York	29,271	13,179	6,952	6,921	11.7	10.3	16.4	12.2
North Carolina	16,171	8,507	4,996	2,062	13.5	12.1	18.2	11.9
North Dakota	1,017	801	12	22	12.4	12.1	*	13.3
Ohio	18,639	13,520	3,933	703	12.5	11.6	17.5	12.3
Oklahoma	6,499	4,247	764	678	12.7	12.4	16.6	11.3
Oregon	4,622	3,251	136	868	10.1	10.0	13.3	9.8
Pennsylvania	16,928	11,400	3,188	1,537	11.8	10.7	16.9	13.4
Rhode Island	1,508	739	156	332	11.8	10.7	15.5	13.7
South Carolina	8,752	4,306	3,785	526	15.5	13.1	20.7	12.1
South Dakota	1,270	931	11	33	11.2	10.5	*	8.4
Tennessee	11,494	7,685	2,943	660	14.5	13.7	18.9	11.4
Texas	52,098	17,533	7,821	25,007	13.7	12.9	18.9	13.3
Utah	5,492	4,267	66	858	10.8	10.5	17.0	12.0
Vermont	549	509	11	4	8.3	8.1	*	*
Virginia	12,572	6,908	3,651	1,283	12.1	11.0	16.4	11.0
Washington	8,393	5,259	420	1,545	10.3	9.9	13.6	10.9
West Virginia	2,915	2,754	114	20	14.0	13.9	17.1	13.2
Wisconsin	7,847	5,687	1,121	635	11.2	10.5	17.2	10.8
Wyoming	790	623	5	95	11.6	11.0	*	13.6
Puerto Rico	9,119	---	---	---	17.8	---	---	---
Virgin Islands	257	11	175	56	16.3	*	17.3	16.0
Guam	552	18	2	3	16.2	*	*	*
American Samoa	---	---	---	---	---	---	---	---
Northern Marianas	166	---	---	---	12.3	---	---	---

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

¹Includes races other than white and black and origin not stated.²Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes." ³Includes all persons of Hispanic origin of any race.⁴Excludes data for the territories.

Table 34. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2004

Age and race and Hispanic origin of mother	Low birthweight ¹			Birthweight ²											
	Number	Percent	Total	Less than 500 grams	500– 999 grams	1,000– 1,499 grams	1,500– 1,999 grams	2,000– 2,499 grams	2,500– 2,999 grams	3,000– 3,499 grams	3,500– 3,999 grams	4,000– 4,499 grams	4,500– 4,999 grams	5,000 grams or more	Not stated
All races³															
All ages	331,772	8.1	4,112,052	6,282	23,433	30,925	65,691	205,441	729,675	1,573,189	1,124,630	299,081	44,889	5,007	3,809
Under 15 years	921	13.6	6,781	30	105	112	158	516	1,742	2,752	1,195	155	10	—	6
15–19 years	41,025	9.9	415,262	813	3,098	3,670	7,576	25,868	94,570	169,643	90,246	17,325	1,886	184	383
15 years	2,124	11.6	18,274	60	191	219	382	1,272	4,429	7,555	3,507	579	52	5	23
16 years	4,476	10.7	41,860	100	409	432	842	2,693	10,185	17,117	8,497	1,397	125	19	44
17 years	7,488	10.1	73,846	135	557	665	1,381	4,750	17,232	30,488	15,446	2,809	294	26	63
18 years	11,561	9.9	117,237	223	887	1,059	2,120	7,272	26,837	47,919	25,374	4,882	513	42	109
19 years	15,376	9.4	164,045	295	1,054	1,295	2,851	9,881	35,887	66,564	37,422	7,658	902	92	144
20–24 years	83,790	8.1	1,034,454	1,548	5,771	7,474	15,472	53,525	204,413	413,887	261,656	60,949	7,963	804	992
25–29 years	80,172	7.3	1,104,485	1,562	5,612	7,237	15,561	50,200	185,398	424,814	314,761	84,412	12,535	1,360	1,033
30–34 years	72,031	7.5	965,663	1,321	5,078	6,871	15,035	43,726	149,798	356,205	287,803	84,037	13,413	1,562	814
35–39 years	41,331	8.7	475,606	775	2,873	4,271	8,987	24,425	74,915	168,334	139,334	43,009	7,349	868	466
40–44 years	11,209	10.8	103,679	218	814	1,149	2,545	6,483	17,643	35,743	28,321	8,779	1,659	219	106
45–54 years	1,293	21.2	6,122	15	82	141	357	698	1,196	1,811	1,314	415	74	10	9
Non-Hispanic white⁴															
All ages	165,271	7.2	2,296,683	2,404	9,988	15,136	33,891	103,852	360,878	852,959	686,535	196,457	29,782	3,027	1,774
Under 15 years	183	12.4	1,477	8	17	22	34	102	317	595	322	55	3	—	2
15–19 years	15,013	8.9	168,795	257	1,091	1,396	2,793	9,476	34,207	67,687	41,490	9,113	1,053	88	144
15 years	509	10.4	4,908	14	50	48	93	304	1,015	1,978	1,148	223	27	1	7
16 years	1,303	10.0	13,055	42	121	130	252	758	2,777	5,211	3,077	611	54	6	16
17 years	2,512	9.2	27,258	38	198	245	466	1,565	5,635	11,003	6,563	1,359	159	5	22
18 years	4,360	9.0	48,740	73	324	417	825	2,721	10,046	19,594	11,842	2,560	283	20	35
19 years	6,329	8.5	74,834	90	398	556	1,157	4,128	14,734	29,901	18,860	4,360	530	56	64
20–24 years	37,135	7.2	517,148	511	2,212	3,271	7,005	24,136	92,472	202,622	143,464	35,772	4,795	450	438
25–29 years	41,102	6.5	631,726	600	2,439	3,651	8,230	26,182	95,096	237,038	193,841	55,150	8,218	804	477
30–34 years	40,878	6.8	604,040	557	2,397	3,767	8,781	25,376	84,135	216,481	192,624	59,165	9,352	983	422
35–39 years	23,725	7.8	304,085	351	1,376	2,344	5,320	14,334	43,654	105,311	94,800	30,670	5,141	550	234
40–44 years	6,383	9.8	65,389	108	402	612	1,484	3,777	10,237	22,088	19,104	6,214	1,163	147	53
45–54 years	852	21.2	4,023	12	54	73	244	469	760	1,137	890	318	57	5	4

See footnotes at end of table.

Table 34. Number and percentage low birthweight and number of live births by birthweight, by age and race and Hispanic origin of mother: United States, 2004—Con.

Age and race and Hispanic origin of mother	Low birthweight ¹			Birthweight ²											
	Number	Percent	Total	Less than 500 grams	500– 999 grams	1,000– 1,499 grams	1,500– 1,999 grams	2,000– 2,499 grams	2,500– 2,999 grams	3,000– 3,499 grams	3,500– 3,999 grams	4,000– 4,499 grams	4,500– 4,999 grams	5,000 grams or more	Not stated
Non-Hispanic black⁴															
All ages	79,378	13.7	578,772	2,388	7,632	8,171	15,280	45,907	141,219	220,105	110,479	22,980	3,249	460	902
Under 15 years	450	16.5	2,729	16	55	53	75	251	783	1,054	405	30	3	—	4
15–19 years	14,037	14.4	97,290	378	1,192	1,283	2,633	8,551	27,474	38,204	14,950	2,251	213	29	132
15 years	891	15.5	5,753	26	86	92	154	533	1,670	2,312	770	97	3	2	8
16 years	1,602	14.3	11,240	38	150	154	304	956	3,312	4,396	1,693	199	18	5	15
17 years	2,549	14.2	17,927	62	216	234	459	1,578	5,072	7,144	2,697	401	38	4	22
18 years	3,950	14.8	26,778	97	345	363	753	2,392	7,581	10,474	4,024	641	61	7	40
19 years	5,045	14.2	35,592	155	395	440	963	3,092	9,839	13,878	5,766	913	93	11	47
20–24 years	24,867	13.2	188,761	655	2,199	2,434	4,654	14,925	48,970	73,875	33,713	6,219	761	83	273
25–29 years	17,874	13.0	138,093	595	1,836	1,824	3,334	10,285	31,691	52,543	28,563	6,176	898	121	227
30–34 years	12,688	13.7	92,646	454	1,402	1,432	2,569	6,831	19,623	33,806	20,310	5,120	800	131	168
35–39 years	7,244	15.5	46,945	234	753	865	1,518	3,874	9,991	16,426	10,097	2,575	453	77	82
40–44 years	2,075	17.8	11,676	56	188	255	458	1,118	2,565	3,987	2,318	584	114	17	16
45–54 years	143	22.6	632	—	7	25	39	72	122	210	123	25	7	2	
Hispanic⁵															
All ages	64,183	6.8	946,349	1,093	4,523	5,717	12,317	40,533	166,140	381,659	259,009	63,993	9,558	1,226	581
Under 15 years	270	11.5	2,356	6	31	35	46	152	593	1,014	415	60	4	—	—
15–19 years	10,455	7.9	133,044	146	709	878	1,862	6,860	29,283	57,273	30,158	5,196	540	60	79
15 years	654	9.4	6,969	18	47	75	122	392	1,609	3,013	1,437	229	19	2	6
16 years	1,393	8.8	15,881	15	126	134	245	873	3,736	6,823	3,355	514	44	7	9
17 years	2,168	8.4	25,839	31	133	169	401	1,434	5,842	11,265	5,537	912	83	16	16
18 years	2,821	7.6	37,159	46	186	249	467	1,873	8,209	15,965	8,499	1,475	152	12	26
19 years	3,419	7.2	47,196	36	217	251	627	2,288	9,887	20,207	11,330	2,066	242	23	22
20–24 years	18,000	6.4	279,746	297	1,159	1,485	3,189	11,870	52,220	117,600	73,156	16,322	2,054	231	163
25–29 years	15,311	6.0	254,358	268	1,024	1,312	2,997	9,710	41,156	101,901	73,709	18,937	2,824	359	161
30–34 years	11,821	6.7	177,762	208	939	1,101	2,445	7,128	27,116	68,056	52,921	14,859	2,532	355	102
35–39 years	6,450	8.0	81,021	125	501	704	1,345	3,775	12,675	29,455	23,744	7,137	1,319	180	61
40–44 years	1,743	10.1	17,265	41	151	182	401	968	2,935	6,100	4,716	1,437	279	40	15
45–54 years	133	16.7	797	2	9	20	32	70	162	260	190	45	6	1	—

— Quantity zero.

¹Less than 2,500 grams (5 lb 8 oz).

²Equivalents of gram weights in terms of pounds and ounces are shown in "Technical Notes."

³Includes races other than white and black and origin not stated.

⁴Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

⁵Includes all persons of Hispanic origin of any race.

Table 35. Number and percentage of births of low birthweight, by race and Hispanic origin of mother: United States, each state and territory, 2004

[By place of residence. Low birthweight is birthweight of less than 2,500 grams (5 lb 8 oz)]

State	Number				Percent			
	All races ¹	Non-Hispanic			All races ¹	Non-Hispanic		
		White ²	Black ²	Hispanic ³		White ²	Black ²	Hispanic ³
United States ⁴	331,772	165,271	79,378	64,183	8.1	7.2	13.7	6.8
Alabama	6,201	3,167	2,708	229	10.4	8.5	15.1	6.8
Alaska	618	259	28	47	6.0	5.1	9.3	5.4
Arizona.....	6,710	2,875	337	2,795	7.2	7.3	12.0	6.8
Arkansas.....	3,593	2,164	1,134	212	9.3	8.1	15.5	6.0
California.....	36,454	10,265	3,770	16,769	6.7	6.3	12.4	6.1
Colorado.....	6,130	3,589	408	1,863	9.0	8.7	14.6	8.6
Connecticut	3,273	1,808	621	649	7.8	6.7	12.7	8.5
Delaware.....	1,023	479	393	95	9.0	7.4	13.8	6.2
District of Columbia	880	112	661	78	11.1	5.6	14.1	7.8
Florida	18,633	7,725	6,137	4,095	8.5	7.3	13.1	7.0
Georgia	12,930	5,096	6,018	1,215	9.3	7.4	14.0	6.0
Hawaii	1,442	267	49	212	7.9	6.2	10.2	7.9
Idaho	1,529	1,210	8	228	6.8	6.6	*	7.0
Illinois.....	15,200	7,120	4,482	2,837	8.4	7.3	14.6	6.7
Indiana.....	7,028	5,132	1,302	458	8.1	7.5	13.6	6.3
Iowa	2,686	2,263	161	173	7.0	6.9	11.0	6.1
Kansas.....	2,898	2,037	378	346	7.3	7.0	13.7	6.3
Kentucky.....	4,872	4,021	630	159	8.8	8.4	13.3	7.2
Louisiana.....	7,139	2,816	4,031	151	10.9	8.0	15.2	7.7
Maine.....	895	836	19	7	6.4	6.4	*	*
Maryland.....	6,947	2,817	3,195	558	9.3	7.4	13.2	7.3
Massachusetts	6,117	4,027	788	844	7.8	7.2	11.8	8.6
Michigan.....	10,828	6,433	3,222	497	8.3	7.1	14.5	6.4
Minnesota.....	4,604	3,201	585	336	6.5	6.0	10.5	6.3
Mississippi.....	4,956	1,951	2,853	82	11.6	8.7	15.5	7.4
Missouri.....	6,429	4,422	1,575	253	8.3	7.3	14.0	6.6
Montana	880	707	8	32	7.6	7.6	*	8.6
Nebraska.....	1,854	1,371	181	204	7.0	7.0	11.8	5.9
Nevada.....	2,809	1,252	386	827	8.0	7.8	13.8	6.3
New Hampshire.....	984	882	17	29	6.8	6.9	*	6.3
New Jersey	9,528	4,322	2,316	1,980	8.3	7.2	13.7	7.2
New Mexico	2,306	708	66	1,243	8.1	8.0	14.7	8.2
New York	20,393	8,825	5,516	4,273	8.2	6.9	13.0	7.5
North Carolina.....	10,822	5,405	3,885	1,100	9.0	7.7	14.2	6.4
North Dakota	539	424	9	12	6.6	6.4	*	*
Ohio	12,637	8,666	3,164	403	8.5	7.5	14.0	7.0
Oklahoma	4,117	2,676	599	398	8.0	7.8	13.0	6.6
Oregon	2,758	1,947	108	460	6.0	6.0	10.6	5.2
Pennsylvania	11,804	7,525	2,567	1,072	8.2	7.1	13.5	9.3
Rhode Island	1,025	504	111	201	8.0	7.3	11.0	8.3
South Carolina	5,761	2,599	2,791	271	10.2	7.9	15.3	6.3
South Dakota	784	607	8	19	6.9	6.9	*	*
Tennessee	7,273	4,635	2,146	346	9.2	8.2	13.8	6.0
Texas	30,621	10,021	5,772	13,509	8.0	7.4	13.9	7.2
Utah	3,379	2,574	42	548	6.7	6.3	10.8	7.6
Vermont	423	396	9	5	6.4	6.3	*	*
Virginia	8,587	4,401	2,856	753	8.3	7.0	12.8	6.4
Washington	5,063	3,054	342	863	6.2	5.7	11.1	6.1
West Virginia	1,937	1,813	96	11	9.3	9.1	14.3	*
Wisconsin	4,885	3,383	883	377	7.0	6.2	13.6	6.4
Wyoming	588	482	7	59	8.6	8.5	*	8.4
Puerto Rico	5,856	---	---	---	11.5	---	---	---
Virgin Islands	179	9	133	26	11.4	*	13.3	7.5
Guam	289	7	1	2	8.5	*	*	*
American Samoa	57	---	---	---	3.3	---	---	---
Northern Marianas	102	---	---	---	7.6	---	---	---

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

--- Data not available.

¹Includes races other than white and black and origin not stated.²Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."³Includes all persons of Hispanic origin of any race.⁴Excludes data for the territories.

**Table 36. Number and percentage of births of very low birthweight, by race and Hispanic origin of mother:
United States, each state and territory, 2004**

[By place of residence. Very low birthweight is birthweight of less than 1,500 grams (3 lb 4 oz)]

State	Number				Percent			
	All races ¹	Non-Hispanic			All races ¹	Non-Hispanic		
		White ²	Black ²	Hispanic ³		White ²	Black ²	Hispanic ³
United States ⁴	60,640	27,528	18,191	11,333	1.5	1.2	3.1	1.2
Alabama	1,168	538	572	42	2.0	1.4	3.2	1.2
Alaska	120	43	7	12	1.2	0.8	*	*
Arizona	1,077	420	76	501	1.2	1.1	2.7	1.2
Arkansas	671	393	216	43	1.7	1.5	2.9	1.2
California	6,393	1,665	824	3,020	1.2	1.0	2.7	1.1
Colorado	874	494	68	278	1.3	1.2	2.4	1.3
Connecticut	647	301	172	144	1.5	1.1	3.5	1.9
Delaware	181	78	87	10	1.6	1.2	3.1	*
District of Columbia	219	20	180	14	2.8	1.0	3.8	*
Florida	3,457	1,209	1,460	668	1.6	1.1	3.1	1.1
Georgia	2,512	847	1,333	221	1.8	1.2	3.1	1.1
Hawaii	242	53	14	29	1.3	1.2	*	1.1
Idaho	254	209	1	33	1.1	1.1	*	1.0
Illinois	2,982	1,359	1,011	493	1.7	1.4	3.3	1.2
Indiana	1,245	849	281	92	1.4	1.2	2.9	1.3
Iowa	499	399	47	43	1.3	1.2	3.2	1.5
Kansas	542	380	85	52	1.4	1.3	3.1	0.9
Kentucky	888	687	160	31	1.6	1.4	3.4	1.4
Louisiana	1,359	406	911	30	2.1	1.2	3.4	1.5
Maine	146	129	6	2	1.0	1.0	*	*
Maryland	1,486	477	845	111	2.0	1.3	3.5	1.5
Massachusetts	1,134	668	217	160	1.4	1.2	3.2	1.6
Michigan	2,101	1,161	740	102	1.6	1.3	3.3	1.3
Minnesota	801	516	150	59	1.1	1.0	2.7	1.1
Mississippi	935	322	585	16	2.2	1.4	3.2	*
Missouri	1,169	719	370	56	1.5	1.2	3.3	1.5
Montana	126	93	1	3	1.1	1.0	*	*
Nebraska	323	246	36	28	1.2	1.3	2.3	0.8
Nevada	440	175	79	139	1.3	1.1	2.8	1.1
New Hampshire.....	175	156	4	5	1.2	1.2	*	*
New Jersey	1,767	702	541	384	1.5	1.2	3.2	1.4
New Mexico	360	117	10	181	1.3	1.3	*	1.2
New York	3,916	1,509	1,338	836	1.6	1.2	3.2	1.5
North Carolina	2,268	979	989	214	1.9	1.4	3.6	1.2
North Dakota	109	82	3	3	1.3	1.2	*	*
Ohio	2,309	1,454	734	66	1.6	1.3	3.3	1.2
Oklahoma	670	409	129	61	1.3	1.2	2.8	1.0
Oregon	491	338	24	87	1.1	1.0	2.3	1.0
Pennsylvania	2,303	1,345	637	189	1.6	1.3	3.4	1.6
Rhode Island	184	91	19	33	1.4	1.3	*	1.4
South Carolina	1,186	470	646	60	2.1	1.4	3.5	1.4
South Dakota	136	97	—	1	1.2	1.1	*	*
Tennessee	1,139	693	381	41	1.4	1.2	2.4	0.7
Texas	5,347	1,674	1,256	2,254	1.4	1.2	3.0	1.2
Utah	512	382	4	100	1.0	0.9	*	1.4
Vermont	57	50	3	1	0.9	0.8	*	*
Virginia	1,602	750	642	138	1.5	1.2	2.9	1.2
Washington	861	490	65	158	1.1	0.9	2.1	1.1
West Virginia	304	276	20	4	1.5	1.4	3.0	*
Wisconsin	854	530	210	74	1.2	1.0	3.2	1.3
Wyoming	99	78	2	11	1.5	1.4	*	*
Puerto Rico	753	---	---	---	1.5	---	---	---
Virgin Islands	32	2	19	6	2.0	*	*	*
Guam	48	—	—	—	1.4	*	*	*
American Samoa	4	---	---	---	*	---	---	---
Northern Marianas	9	---	---	---	*	---	---	---

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

— Quantity zero.

--- Data not available.

¹Includes races other than white and black and origin not stated.

²Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."

³Includes all persons of Hispanic origin of any race.

⁴Excludes data for the territories.

Table 37. Live births by plurality of birth and ratios, by age and race and Hispanic origin of mother: United States, 2004

Plurality and race and Hispanic origin of mother	All ages	Under 15 years	Age of mother								
			15–19 years			20–24 years	25–29 years	30–34 years	35–39 years	40–44 years	45–54 years
			Total	15–17 years	18–19 years						
All live births											
All races ¹	4,112,052	6,781	415,262	133,980	281,282	1,034,454	1,104,485	965,663	475,606	103,679	6,122
Non-Hispanic white ²	2,296,683	1,477	168,795	45,221	123,574	517,148	631,726	604,040	304,085	65,389	4,023
Non-Hispanic black ²	578,772	2,729	97,290	34,920	62,370	188,761	138,093	92,646	46,945	11,676	632
Hispanic ³	946,349	2,356	133,044	48,689	84,355	279,746	254,358	177,762	81,021	17,265	797
Live births in single deliveries											
All races ¹	3,972,558	6,693	408,634	132,219	276,415	1,010,421	1,069,417	924,160	450,733	97,732	4,768
Non-Hispanic white ²	2,207,747	1,456	166,197	44,617	121,580	505,466	610,031	574,667	285,988	60,936	3,006
Non-Hispanic black ²	557,590	2,697	95,204	34,349	60,855	182,229	132,330	88,521	44,801	11,235	573
Hispanic ³	925,275	2,323	131,316	48,160	83,156	274,838	248,619	172,599	78,204	16,666	710
Live births in twin deliveries											
All races ¹	132,219	85	6,544	1,742	4,802	23,602	33,315	38,751	23,088	5,569	1,265
Non-Hispanic white ²	83,346	21	2,566	599	1,967	11,457	20,359	27,174	16,672	4,144	953
Non-Hispanic black ²	20,605	32	2,048	563	1,485	6,420	5,608	3,964	2,056	421	56
Hispanic ³	20,351	30	1,717	523	1,194	4,827	5,564	4,914	2,643	576	80
Live births in higher order multiple deliveries ⁴											
All races ¹	7,275	3	84	19	65	431	1,753	2,752	1,785	378	89
Non-Hispanic white ²	5,590	—	32	5	27	225	1,336	2,199	1,425	309	64
Non-Hispanic black ²	577	—	38	8	30	112	155	161	88	20	3
Hispanic ³	723	3	11	6	5	81	175	249	174	23	7
All multiple births											
Ratio per 1,000 live births											
All races ¹	33.9	13.0	16.0	13.1	17.3	23.2	31.8	43.0	52.3	57.4	221.2
Non-Hispanic white ²	38.7	14.2	15.4	13.4	16.1	22.6	34.3	48.6	59.5	68.1	252.8
Non-Hispanic black ²	36.6	11.7	21.4	16.4	24.3	34.6	41.7	44.5	45.7	37.8	93.4
Hispanic ³	22.3	14.0	13.0	10.9	14.2	17.5	22.6	29.0	34.8	34.7	109.2
Twin births											
All races ¹	32.2	12.5	15.8	13.0	17.1	22.8	30.2	40.1	48.5	53.7	206.6
Non-Hispanic white ²	36.3	14.2	15.2	13.2	15.9	22.2	32.2	45.0	54.8	63.4	236.9
Non-Hispanic black ²	35.6	11.7	21.1	16.1	23.8	34.0	40.6	42.8	43.8	36.1	88.6
Hispanic ³	21.5	12.7	12.9	10.7	14.2	17.3	21.9	27.6	32.6	33.4	100.4
Higher order multiple births ⁴											
Ratio per 100,000 live births											
All races ¹	176.9	*	20.2	*	23.1	41.7	158.7	285.0	375.3	364.6	1453.8
Non-Hispanic white ²	243.4	*	19.0	*	21.8	43.5	211.5	364.0	468.6	472.6	1590.9
Non-Hispanic black ²	99.7	*	39.1	*	48.1	59.3	112.2	173.8	187.5	171.3	*
Hispanic ³	76.4	*	*	*	*	29.0	68.8	140.1	214.8	133.2	*

— Quantity zero.

¹ Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.² Includes races other than white and black and origin not stated.³ Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁴ Includes all persons of Hispanic origin of any race.⁵ Births in greater than twin deliveries.

Table 38. Numbers and rates of twin and triplet and higher order multiple births by race and Hispanic origin of mother, United States: 1980–2004

Year and race and Hispanic origin of mother	Total births	Twin births	Triplet/+ births	Twin birth rate ¹	Multiple birth rate ²	Triplet/+ birth rate ³
All races ⁴						
2004	4,112,052	132,219	7,275	32.2	33.9	176.9
2003	4,089,950	128,665	7,663	31.5	33.3	187.4
2002	4,021,726	125,134	7,401	31.1	33.0	184.0
2001	4,025,933	121,246	7,471	30.1	32.0	185.6
2000	4,058,814	118,916	7,325	29.3	31.1	180.5
1999	3,959,417	114,307	7,321	28.9	30.7	184.9
1998	3,941,553	110,670	7,625	28.1	30.0	193.5
1997	3,880,894	104,137	6,737	26.8	28.6	173.6
1996	3,891,494	100,750	5,939	25.9	27.4	152.6
1995	3,899,589	96,736	4,973	24.8	26.1	127.5
1994	3,952,767	97,064	4,594	24.6	25.7	116.2
1993	4,000,240	96,445	4,168	24.1	25.2	104.2
1992	4,065,014	95,372	3,883	23.5	24.4	95.5
1991	4,110,907	94,779	3,346	23.1	23.9	81.4
1990	4,158,212	93,865	3,028	22.6	23.3	72.8
1989	4,040,958	90,118	2,798	22.3	23.0	69.2
1988	3,909,510	85,315	2,385	21.8	22.4	61.0
1987	3,809,394	81,778	2,139	21.5	22.0	56.2
1986	3,756,547	79,485	1,814	21.2	21.6	48.3
1985	3,760,561	77,102	1,925	20.5	21.0	51.2
1984	3,669,141	72,949	1,653	19.9	20.3	45.1
1983	3,638,933	72,287	1,575	19.9	20.3	43.3
1982	3,680,537	71,631	1,484	19.5	19.9	40.3
1981	3,629,238	70,049	1,385	19.3	19.7	38.2
1980	3,612,258	68,339	1,337	18.9	19.3	37.0
Non-Hispanic white ⁵						
2004	2,296,683	83,346	5,590	36.3	38.7	243.4
2003	2,321,904	81,691	5,922	35.2	37.7	255.0
2002	2,298,156	79,949	5,754	34.8	37.3	250.4
2001	2,326,578	77,882	5,894	33.5	36.0	253.3
2000	2,362,968	76,018	5,821	32.2	34.6	246.3
1999	2,346,450	73,964	5,909	31.5	34.0	251.8
1998	2,283,986	71,270	6,206	30.2	32.8	262.8
1997	2,333,363	67,191	5,386	28.8	31.1	230.8
1996	2,358,989	65,523	4,885	27.8	29.8	207.1
1995	2,382,638	62,370	4,050	26.2	27.9	170.0
1994	2,438,855	62,476	3,721	25.6	27.1	152.6
1993	2,472,031	61,525	3,360	24.9	26.2	135.9
1992 ⁶	2,527,207	60,640	3,115	24.0	25.2	123.3
1991 ⁶	2,589,878	60,904	2,612	23.5	24.5	100.9
1990 ⁷	2,626,500	60,210	2,358	22.9	23.8	89.8
Non-Hispanic black ⁵						
2004	578,772	20,605	577	35.6	36.6	99.7
2003	576,033	20,010	631	34.7	35.8	109.5
2002	578,335	20,064	591	34.7	35.7	102.2
2001	589,917	19,974	531	33.9	34.8	90.0
2000	604,346	20,173	506	33.4	34.2	83.7
1999	588,981	18,920	561	32.1	33.1	95.2
1998	593,127	18,589	518	31.3	32.2	87.3
1997	581,431	17,472	523	30.0	30.9	90.0
1996	578,099	16,873	425	29.2	29.9	73.5
1995	587,781	16,622	340	28.3	28.9	57.8
1994	619,198	17,934	357	29.0	29.5	57.7
1993	641,273	18,115	314	28.2	28.7	49.0
1992 ⁶	657,450	18,294	346	27.8	28.4	52.6
1991 ⁶	666,758	18,243	367	27.4	27.9	55.0
1990 ⁷	661,701	17,646	306	26.7	27.1	46.2

See footnotes at end of table.

Table 38. Numbers and rates of twin and triplet and higher order multiple births by race and Hispanic origin of mother, United States: 1980–2004—Con.

Year and race and Hispanic origin of mother	Total births	Twin births	Triplet/+ births	Twin birth rate ¹	Multiple birth rate ²	Triplet/+ birth rate ³
Hispanic ⁸						
2004	946,349	20,351	723	21.5	22.3	76.4
2003	912,329	19,472	784	21.3	22.2	85.9
2002	876,642	18,128	737	20.7	21.5	84.1
2001	851,851	17,257	710	20.3	21.1	83.3
2000	815,868	16,470	659	20.2	21.0	80.8
1999	764,339	15,388	583	20.1	20.9	76.3
1998	734,661	15,015	553	20.4	21.2	75.3
1997	709,767	13,821	516	19.5	20.2	72.7
1996	701,339	13,014	409	18.6	19.1	58.3
1995	679,768	12,685	355	18.7	19.2	52.2
1994	665,026	12,206	348	18.4	18.9	52.3
1993	654,418	12,294	321	18.8	19.3	49.1
1992 ⁶	643,271	11,932	239	18.5	18.9	37.2
1991 ⁶	623,085	11,356	235	18.2	18.6	37.7
1990 ⁷	595,073	10,713	235	18.0	18.4	39.5

¹The number of live births in twin deliveries per 1,000 live births.²The number of live births in all multiple deliveries per 1,000 live births.³The number of live births in triplet and other higher-order deliveries per 100,000 live births.⁴Includes races other than those shown.⁵Race and Hispanic origin are reported separately on birth certificates. Persons of Hispanic origin may be of any race. Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Fifteen states reported multiple-race data for 2004. Multiple-race data for these states were bridged to the single-race categories of the 1977 OMB standards for comparability with other states; see "Technical Notes."⁶Excludes data for New Hampshire, which did not report Hispanic origin.⁷Excludes data for New Hampshire and Oklahoma, which did not report Hispanic origin.⁸Includes all persons of Hispanic origin of any race.

Table 39. Twin and triplet and higher order multiple birth rates by state: United States and each state, 2002–2004

Twin			Triplet/+ ¹		
State	Number	Rate per 1,000 live births	State	Number	Rate per 100,000 live births
United States	386,018	31.6	United States	22,339	182.8
Alabama	5,663	31.8	Alabama	361	202.8
Alaska	802	26.4	Alaska	15	*
Arizona	7,184	26.4	Arizona.	499	183.1
Arkansas	3,251	28.6	Arkansas.	111	97.5
California.	45,616	28.2	California.	2,376	147.1
Colorado	6,403	31.0	Colorado	343	166.3
Connecticut	5,136	40.5	Connecticut	328	258.3
Delaware	1,200	35.5	Delaware.	75	222.0
District of Columbia	735	31.9	District of Columbia	13	*
Florida	18,731	29.5	Florida	934	146.9
Georgia	12,803	31.4	Georgia	613	150.2
Hawaii	1,511	28.1	Hawaii	77	143.0
Idaho	1,930	29.6	Idaho	99	151.6
Illinois	19,300	35.5	Illinois	1,412	259.6
Indiana	8,206	31.7	Indiana	627	242.4
Iowa	3,755	32.9	Iowa	205	179.6
Kansas	3,603	30.4	Kansas.	210	177.1
Kentucky	5,005	30.3	Kentucky.	398	240.9
Louisiana.	6,010	30.8	Louisiana.	298	152.6
Maine.	1,353	32.7	Maine.	54	130.6
Maryland.	8,322	37.3	Maryland.	460	206.4
Massachusetts	10,805	45.2	Massachusetts	737	308.0
Michigan	13,297	34.0	Michigan	892	228.2
Minnesota	6,911	33.1	Minnesota.	454	217.5
Mississippi	3,964	31.3	Mississippi.	192	151.5
Missouri	7,452	32.4	Missouri	416	180.8
Montana	983	28.9	Montana	35	103.0
Nebraska.	2,454	31.6	Nebraska.	261	336.2
Nevada.	2,869	28.3	Nevada.	143	141.0
New Hampshire.	1,561	36.0	New Hampshire.	93	214.3
New Jersey	14,327	41.3	New Jersey	1,150	331.4
New Mexico	1,996	23.8	New Mexico	58	69.1
New York	27,222	36.1	New York	1,840	243.7
North Carolina.	11,138	31.3	North Carolina.	556	156.4
North Dakota	777	32.5	North Dakota	55	230.0
Ohio	14,890	33.3	Ohio	1,054	235.6
Oklahoma	4,101	26.9	Oklahoma	145	95.0
Oregon	4,067	29.7	Oregon	159	116.2
Pennsylvania	14,265	32.9	Pennsylvania	912	210.4
Rhode Island	1,491	38.3	Rhode Island	101	259.8
South Carolina	5,210	31.2	South Carolina	260	155.9
South Dakota	1,007	30.5	South Dakota	39	118.0
Tennessee	7,093	30.1	Tennessee.	358	151.7
Texas	31,370	27.7	Texas.	1,589	140.5
Utah	3,914	26.1	Utah	177	118.2
Vermont	662	33.8	Vermont	32	163.5
Virginia.	10,053	33.0	Virginia.	466	152.9
Washington	6,987	29.0	Washington	267	110.7
West Virginia	1,767	28.3	West Virginia	49	78.4
Wisconsin	6,324	30.3	Wisconsin	317	151.9
Wyoming	542	27.0	Wyoming.	24	119.7

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator, see "Technical Notes."

¹Includes triplet, quadruplet, and other higher order multiple births.

Technical Notes

Source of data

Data shown in this report for 2004 are based on 100 percent of the birth certificates filed in all states and the District of Columbia. The data are provided to the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program (VSCP). In 1984 and earlier years, the VSCP included varying numbers of states that provided data based on 100 percent of their birth certificates. Data for states not in the VSCP were based on a 50 percent sample of birth certificates filed in those states. Information on the percentage of records with missing information for maternal and infant characteristics included in this report is shown by state in [Table I](#). Data are not shown for the variables race, age, and marital status of mother. Missing data are imputed in these cases; see separate sections in the “[Technical Notes](#)” for more information.

The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth

This report includes 2004 data on items that are collected on both the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 Revision of the U.S. Standard Certificate of Live Birth (revised). The 2003 revision is described in detail elsewhere (4–6). Seven states, Idaho, Kentucky, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington implemented the revised birth certificate as of January 1, 2004, or in 2003. Two additional states, Florida and New Hampshire, implemented the revised birth certificate in 2004, but after January 1. The nine revised states represent 20 percent of all 2004 births; the seven revised states that implemented as of January 1, 2004, represent 14 percent of all births.

Data for educational attainment, prenatal care, and tobacco use, although collected on both the revised and unrevised certificates, are not considered comparable between revisions, and are presented separately in this report. Data on educational attainment, prenatal care, and tobacco use for the two states that revised after January 1, 2004, are excluded from all tabulations. See following discussion of the specific data items.

Data items exclusive to either the 1989 or the 2003 birth certificate revision are not shown in this report. Supplemental 2004 tables for data exclusive to the 1989 revision are available on the NCHS website (www.cdc.gov/nchs). A forthcoming report will present selected information exclusive to the 2003 revision.

Age of mother

Age of mother is computed in most cases from the mother's and infant's dates of birth as reported on the birth certificate. The mother's age is directly reported by four states (Nevada, North Dakota, Virginia, and Wyoming) and American Samoa. From 1964 to 1996, mother's age was edited for ages 10–49 years. Births reported to occur to mothers under age 10 years or over age 49 years had age imputed according to the age of mother from the previous record with the same race and total birth order (total of live births and fetal deaths). Beginning in 1997, age of mother is imputed for age 9 years or under and age 55 years and over. A review and verification of unedited birth data for 1996 showed that the vast majority of births

reported as occurring to women aged 50 years and over were to women aged 50–54 years. The numbers of births to women aged 50–54 years have been too small historically to compute age-specific birth rates. These births have been included with births to women aged 45–49 years for computing birth rates.

In 2004, age of mother was not reported on 0.02 percent of the records; for these records age of mother was imputed according to the last record with the same race and total birth order.

Hispanic origin and race

Hispanic origin

Hispanic origin and race are reported separately on the birth certificate. Data for specified Hispanic groups are shown in most cases for five groups: Mexican, Puerto Rican, Cuban, Central and South American, and “other and unknown Hispanic.” In tabulations of birth data by race and Hispanic origin, data for persons of Hispanic origin are not further classified by race because the vast majority of births to Hispanic women are reported as white. In tabulations of birth data by race only, data for persons of Hispanic origin are included in the data for each race group according to the mother's reported race. In tabulations that include Hispanic origin, data for non-Hispanic persons are classified according to the race of the mother, because there are substantial differences in fertility and maternal and infant health characteristics between Hispanic and non-Hispanic white women.

Items asking for the Hispanic origin of the mother and the father have been included on the birth certificates of all states and the District of Columbia, the Virgin Islands, and Guam since 1993 (7,137). Puerto Rico, American Samoa, and the Northern Marianas do not collect this information. In addition, Florida (for births occurring from March 1, 2004, only), Idaho, Kentucky, New Hampshire (for births occurring as of July 19, 2004, only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, permitted respondents to select one or more Hispanic origin categories (7,138). Minnesota, which used the 1989 revision of the U.S. Standard Certificate of Live Birth, also allowed the reporting of multiple Hispanic groups in 2004. These 10 revised states account for 13 percent of Hispanic births in the United States. The percentage of records for which Hispanic origin of the parents was not reported in 2004 is shown by state in [Table I](#). Mothers of a specified Hispanic group (i.e., Mexican, Puerto Rican, Cuban, or Central and South American) in combination with one or more other specified Hispanic group were classified as “other Hispanic.” The percentage of Hispanic mothers in the 10 states reporting more than one Hispanic origin group was 1.5 for 2004.

Single, multiple, and bridged race of mother and father

In 1997, the Office of Management and Budget (OMB) issued “Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity,” which revised the “1977 Statistical Policy Directive 15, Race and Ethnic Standards for Federal Statistics and Administrative Reporting” (8–10). These documents specify guidelines for collection, tabulation, and presentation of race and ethnicity data within the federal statistical system. The 1997 revised standards

Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, plus New York City, and the District of Columbia, 2004

[By place of residence]

Area	All births	Place of birth	Attendant at birth	Mother's birthplace	Father's age	Father's race	Hispanic origin	
							Mother	Father
Total of reporting areas ¹	4,112,052	0.0	0.2	0.4	13.6	16.0	0.8	14.1
Alabama	59,510	0.0	0.0	0.0	20.8	21.1	0.1	20.8
Alaska	10,338	—	0.9	0.5	9.2	14.2	11.6	20.9
Arizona	93,663	0.0	0.0	0.1	14.7	18.2	1.9	16.8
Arkansas	38,573	—	0.0	0.5	19.0	20.3	0.3	19.1
California	544,843	0.0	0.0	0.4	7.3	8.1	1.4	7.7
Colorado	68,503	—	0.0	0.5	8.1	8.8	0.0	8.8
Connecticut	42,095	0.0	0.1	0.5	10.6	11.8	0.3	10.9
Delaware	11,369	—	0.1	0.3	32.6	33.6	0.7	32.6
District of Columbia	7,933	—	0.0	0.0	35.7	44.1	0.4	35.7
Florida ²	218,053	0.0	0.1	0.2	15.8	24.5	0.3	18.4
Georgia	138,849	0.0	0.0	0.2	17.0	17.7	1.6	18.4
Hawaii	18,281	—	0.1	0.2	8.6	12.3	0.2	8.6
Idaho	22,532	0.0	0.0	0.4	9.2	15.2	1.3	12.1
Illinois	180,778	0.0	0.0	0.2	13.7	15.2	0.1	15.0
Indiana	87,142	0.0	0.1	0.0	13.2	13.2	0.4	13.4
Iowa	38,438	—	—	0.0	14.0	15.5	0.3	15.7
Kansas	39,669	—	0.0	0.1	10.6	11.1	1.4	12.1
Kentucky	55,720	0.0	0.1	0.6	20.1	24.7	0.1	23.3
Louisiana	65,369	0.0	0.0	0.0	19.6	19.7	0.2	19.7
Maine	13,944	—	0.0	0.0	9.2	12.7	0.5	12.8
Maryland	74,628	0.0	0.0	0.1	13.4	19.4	0.1	15.5
Massachusetts	78,484	0.0	—	0.9	7.9	9.4	0.7	8.5
Michigan	129,776	0.0	0.1	0.2	14.6	16.9	2.7	18.6
Minnesota	70,624	—	0.1	0.3	12.1	18.2	1.4	13.9
Mississippi	42,827	0.0	0.1	0.1	20.7	20.7	0.1	20.7
Missouri	77,765	—	0.0	0.3	18.0	19.9	0.1	18.5
Montana	11,519	—	0.1	0.0	9.2	10.6	1.6	11.9
Nebraska	26,332	—	—	—	13.2	14.9	2.5	15.6
Nevada	35,200	—	0.0	0.5	22.4	24.0	1.0	22.8
New Hampshire ²	14,565	—	0.0	0.2	6.4	8.6	3.5	7.6
New Jersey	115,253	0.0	0.1	0.1	7.6	9.0	0.1	7.8
New Mexico	28,384	—	0.0	1.6	19.7	19.6	0.0	19.6
New York (excluding NYC)	130,879	0.0	0.0	0.1	10.8	16.1	0.2	10.9
New York City	119,068	0.0	0.0	0.5	15.4	16.1	0.4	15.6
North Carolina	119,847	0.0	—	0.0	16.2	16.3	0.1	16.3
North Dakota	8,189	—	—	—	9.3	9.5	2.8	12.1
Ohio	148,954	0.4	0.0	0.5	16.2	19.9	0.5	16.9
Oklahoma	51,306	—	0.0	0.0	14.6	17.2	0.3	16.8
Oregon	45,678	—	—	0.1	10.2	4.9	0.3	4.9
Pennsylvania	144,748	0.0	4.6	3.9	6.6	11.0	1.2	5.9
Rhode Island	12,779	—	—	0.2	13.0	14.3	13.8	24.1
South Carolina	56,590	—	0.0	0.1	29.5	33.8	0.1	0.7
South Dakota	11,338	0.0	0.0	0.1	10.4	11.0	0.1	13.4
Tennessee	79,642	0.0	1.2	0.3	16.0	22.2	0.2	15.9
Texas	381,293	0.0	0.0	0.4	14.3	14.7	0.3	14.5
Utah	50,670	0.0	0.0	0.2	9.9	12.9	0.6	10.8
Vermont	6,599	—	—	0.4	7.6	10.0	1.1	10.7
Virginia	103,933	—	0.0	0.1	15.3	17.0	0.1	15.3
Washington	81,747	—	0.1	0.3	9.7	23.6	2.9	15.5
West Virginia	20,880	0.0	0.0	0.1	13.0	13.5	0.2	13.4
Wisconsin	70,146	0.0	0.0	0.1	30.8	30.9	0.1	30.9
Wyoming	6,807	—	0.0	0.1	16.0	16.4	0.3	16.2
Puerto Rico	51,127	—	0.1	—	3.2	4.3	---	---
Virgin Islands	1,574	—	0.3	—	21.0	22.1	4.3	60.7
Guam	3,410	0.1	0.4	0.4	22.3	22.6	1.5	27.8
American Samoa	1,714	0.2	—	3.9	36.4	36.5	---	---
Northern Marianas	1,355	—	0.5	—	8.9	9.0	---	---

See footnotes at end of table.

Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004—Con.

[By place of residence]

Area	Educational attainment of mother		Live-birth order	Length of gestation	Month prenatal care began		Number of prenatal visits
	Unrevised ³	Revised ⁴			Unrevised ³	Revised ⁴	
Total of reporting areas ¹	2.0	---	0.5	1.0	2.5	---	3.6
Alabama	0.7	---	0.0	0.1	0.7	---	0.2
Alaska	6.7	---	10.4	0.4	6.8	---	10.6
Arizona	1.4	---	0.1	0.1	0.1	---	0.7
Arkansas	1.9	---	0.2	0.2	2.7	---	2.2
California ⁵	2.9	---	0.1	6.8	1.7	---	2.7
Colorado	1.1	---	0.1	0.0	1.8	---	2.0
Connecticut	1.2	---	0.0	0.0	1.5	---	1.0
Delaware	3.1	---	0.2	0.1	2.7	---	0.6
District of Columbia	8.0	---	0.2	0.2	11.1	---	15.8
Florida ²	---	---	0.7	0.1	---	---	4.5
Georgia	3.3	---	0.1	0.1	2.6	---	1.4
Hawaii	1.2	---	0.0	0.2	3.4	---	2.8
Idaho	---	5.1	0.2	0.1	---	1.3	1.6
Illinois	1.6	---	0.3	0.2	5.6	---	5.9
Indiana	1.6	---	0.1	0.0	2.3	---	1.8
Iowa	0.2	---	0.1	0.1	0.2	---	0.3
Kansas	0.4	---	0.0	0.1	0.8	---	0.8
Kentucky	---	4.4	0.1	0.0	---	1.9	1.6
Louisiana	0.1	---	0.1	0.1	0.3	---	0.3
Maine	1.5	---	0.2	0.1	1.2	---	0.3
Maryland	1.5	---	0.1	0.1	1.9	---	2.3
Massachusetts	0.4	---	0.2	0.2	2.0	---	0.7
Michigan	2.6	---	0.4	0.1	3.7	---	4.8
Minnesota	1.9	---	0.5	0.2	4.2	---	5.3
Mississippi	4.3	---	0.1	0.2	5.2	---	3.6
Missouri	1.2	---	0.5	0.2	2.3	---	4.0
Montana	0.6	---	0.1	0.1	0.8	---	0.5
Nebraska	0.1	---	0.0	0.0	0.2	---	0.3
Nevada	2.7	---	1.3	0.6	7.7	---	10.3
New Hampshire ²	---	---	0.5	0.3	---	---	2.8
New Jersey	2.2	---	0.1	0.1	2.0	---	1.0
New Mexico	3.2	---	1.0	0.3	6.0	---	6.3
New York (excluding NYC)	---	7.5	2.0	0.1	---	4.5	6.0
New York City	4.5	---	0.0	0.0	5.9	---	0.7
North Carolina	0.5	---	0.0	0.0	1.0	---	0.8
North Dakota	0.3	---	0.1	0.2	1.1	---	0.8
Ohio	2.4	---	0.3	0.1	4.9	---	9.1
Oklahoma	0.5	---	0.2	0.2	2.2	---	2.2
Oregon	2.9	---	0.0	0.0	1.6	---	0.2
Pennsylvania	---	3.0	1.3	0.8	---	6.7	9.6
Rhode Island	2.5	---	2.0	0.1	6.0	---	10.7
South Carolina	---	5.3	0.0	0.1	---	1.2	0.8
South Dakota	0.1	---	0.0	0.0	0.4	---	0.4
Tennessee	---	0.8	0.9	0.5	---	9.6	8.2
Texas	1.4	---	0.7	0.3	1.5	---	3.8
Utah	1.8	---	0.3	0.0	2.6	---	2.8
Vermont	5.9	---	0.2	0.0	8.3	---	0.6
Virginia	2.3	---	0.0	0.0	1.2	---	1.7
Washington	---	3.2	2.8	0.3	---	17.1	16.2
West Virginia	2.5	---	0.0	0.1	3.8	---	0.7
Wisconsin	0.4	---	0.0	0.0	0.3	---	0.5
Wyoming	1.1	---	0.0	0.0	0.8	---	0.5
Puerto Rico	0.3	---	0.1	0.0	0.2	---	0.1
Virgin Islands	1.0	---	1.3	—	0.1	---	2.6
Guam	1.4	---	2.3	0.1	1.1	---	1.5
American Samoa	---	---	—	—	---	---	—
Northern Marianas	8.1	---	5.4	0.7	4.4	---	4.0

See footnotes at end of table.

Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004—Con.

[By place of residence]

Area	Birthweight	5-minute apgar score	Weight	Tobacco use		Method of delivery ⁶
				Unrevised ³	Revised ⁴	
Total of reporting areas ¹	0.1	0.5	5.9	1.1	---	0.4
Alabama	0.1	0.2	1.6	0.6	---	0.7
Alaska	0.3	0.9	8.7	1.4	---	0.3
Arizona	0.1	0.4	12.5	1.7	---	0.4
Arkansas	0.1	3.2	8.9	1.5	---	0.5
California	0.0	---	---	---	---	0.0
Colorado	0.0	0.3	3.0	0.2	---	0.0
Connecticut	0.0	0.2	1.1	0.7	---	0.2
Delaware	0.1	0.2	1.1	2.5	---	0.0
District of Columbia	0.1	0.6	13.7	0.1	---	0.1
Florida ²	0.0	0.3	8.5	---	---	0.2
Georgia	0.0	0.4	6.5	1.4	---	0.6
Hawaii	0.1	0.5	13.3	0.1	---	0.5
Idaho	0.0	0.6	8.1	---	3.8	0.2
Illinois	0.0	0.3	6.4	0.3	---	0.6
Indiana	0.4	0.3	2.2	1.2	---	0.6
Iowa	0.1	0.3	0.7	0.1	---	0.8
Kansas	0.0	0.8	0.2	0.1	---	0.3
Kentucky	0.2	0.6	2.0	---	4.3	0.3
Louisiana	0.1	0.4	4.4	0.2	---	0.2
Maine	0.1	0.2	0.9	1.2	---	0.3
Maryland	0.0	0.3	3.1	0.4	---	0.4
Massachusetts	0.2	0.2	0.9	0.3	---	0.3
Michigan	0.1	0.3	7.1	2.9	---	0.6
Minnesota	0.0	0.3	10.4	2.3	---	0.9
Mississippi	0.1	0.4	5.7	0.4	---	0.6
Missouri	0.0	0.6	4.2	4.1	---	0.8
Montana	0.1	0.1	1.3	1.0	---	0.3
Nebraska	0.0	0.1	3.1	0.1	---	0.3
Nevada	0.0	1.5	8.9	2.2	---	0.9
New Hampshire ²	0.2	0.4	8.7	---	---	0.5
New Jersey	0.0	0.2	0.9	1.8	---	0.8
New Mexico	0.3	3.7	11.2	1.7	---	0.4
New York (excluding NYC)	0.1	0.5	6.8	---	6.8	0.5
New York City	0.0	0.2	2.0	4.2	---	0.2
North Carolina	0.0	0.3	2.6	0.4	---	0.6
North Dakota	0.2	0.3	2.3	0.5	---	2.3
Ohio	0.0	0.2	3.8	0.9	---	0.8
Oklahoma	0.1	0.9	3.6	0.9	---	1.9
Oregon	0.0	0.4	1.9	2.5	---	0.7
Pennsylvania	0.4	1.2	13.0	---	4.1	0.1
Rhode Island	0.1	0.4	13.7	2.7	---	0.2
South Carolina	0.0	0.2	1.8	---	5.1	0.0
South Dakota	0.0	0.2	0.8	0.1	---	0.6
Tennessee	0.4	3.2	8.4	---	1.0	0.0
Texas	0.1	---	8.1	0.2	---	0.9
Utah	0.0	0.2	4.0	1.0	---	0.5
Vermont	0.3	0.2	2.0	6.2	---	0.1
Virginia	0.1	0.1	3.2	1.1	---	0.6
Washington	0.4	0.4	16.6	---	3.2	0.0
West Virginia	0.0	0.2	2.2	1.9	---	0.3
Wisconsin	0.0	0.4	2.2	0.2	---	0.0
Wyoming	0.0	0.3	1.9	0.5	---	0.3

See footnotes at end of table.

Table I. Percentage of birth records on which specified items were not stated: United States and each state and territory, 2004—Con.

[By place of residence]

Area	Birthweight	5-minute apgar score	Weight	Tobacco use		Method of delivery ⁶
				Unrevised ³	Revised ⁴	
Puerto Rico	0.0	0.1	0.0	—	---	0.0
Virgin Islands	0.6	1.6	13.0	1.5	---	1.7
Guam	0.1	0.6	2.8	1.0	---	0.2
American Samoa	—	---	---	---	---	---
Northern Marianas	0.4	1.5	---	6.4	---	3.4

0.0 Quantity more than zero but less than 0.05.

— Quantity zero.

--- Data not available.

¹Excludes data for Puerto Rico, Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Marianas.²Florida and New Hampshire implemented the 2003 U.S. Standard Certificate of Live Birth in 2004, but after January 1, 2004.³Includes data based on the 1989 U.S. Standard Certificate of Live birth; excludes data based on the 2003 U.S. Standard Certificate of Live Birth.⁴Includes data based on the 2003 U.S. Standard Certificate of Live birth; excludes data based on the 1989 U.S. Standard Certificate of Live Birth.⁵California reports date last normal menses began but does not report clinical estimate of gestation.⁶Not stated levels for states which implemented the 2003 U.S. Standard Certificate of Live Birth are derived from the item "Final route and method of delivery."

NOTE: For levels of missing data for checkbox items see Technical Appendix of the United States, 2004.

incorporated two major changes designed to reflect the changing racial and ethnic profile of the United States. First, the revision increased from four to five the minimum set of categories to be used by federal agencies for identification of race. The 1977 standards required federal agencies to report race-specific tabulations using a minimum set of four single-race categories: American Indian or Alaska Native (AIAN), Asian or Pacific Islander (API), Black, and White. The five categories for race specified in the 1997 standards are: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. The revised standards called for reporting of Asians separately from Native Hawaiians or Other Pacific Islanders. Collection of additional detail on race and ethnicity is permitted, as before, so long as the additional categories can be aggregated into the minimum categories. The revised standards also require federal data collection programs to allow respondents to select *one or more race categories*.

For the 2000 decennial census, the U.S. Census Bureau collected race and ethnicity data in accordance with the 1997 revised standards. However, the National Vital Statistics System, which is based on data collected by the states, will not be fully compliant with the new standards until all of the states revise their birth certificates to reflect the new standards. Thus, beginning with the 2000 data year, the numerators (births) for birth rates are incompatible with the denominators (populations) (see "Population denominators"). In order to compute rates, it is necessary to bridge population data for multiple-race persons to single-race categories. This has been done for birth rates by race presented in this report. Once all states revise their birth registration systems to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

For the 2004 data year, multiple race was reported by Florida (for births occurring from March 1, 2004, only), Idaho, Kentucky, New Hampshire (for births occurring from July 19, 2004, only), New York State (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington, which used the 2003 revision of the U.S. Standard Certificate of Live Birth, as well as California, Hawaii, Michigan (for births at selected facilities only), Minnesota, Ohio, and Utah, which used the 1989 revision of the U.S. Standard Certificate of

Live Birth. These 15 states, which account for 43.0 percent of births in the U.S. in 2004, reported 1.8 percent of the mothers as multiracial, with levels varying from 0.5 percent (New Hampshire) to 34.4 percent (Hawaii). Data from the vital records of the remaining 35 states, the District of Columbia, and New York City followed the 1977 OMB standards in which a single race is reported (8,9). In addition, these areas also report the minimum set of four races as stipulated in the 1977 standards, compared with the minimum of five races for the 1997 standards.

In order to provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to bridge the responses of those who reported more than one race to a single race. The bridging procedure for multiple-race mothers and fathers is based on the procedure used to bridge the multiracial population estimates (see "Population denominators") (10,11). Multiple race is imputed to a single race (one of the following: AIAN, API, black, or white) according to the combination of races, Hispanic origin, sex, and age indicated on the birth certificate of the mother or father. The imputation procedure is described in detail elsewhere (12,13).

As noted previously, the bridging procedure imputes multiple race of mothers to one of the four minimum races stipulated in the 1977 OMB standards, that is, AIAN, API, black, or white. Mothers of a specified API subgroup (i.e., Chinese, Japanese, Hawaiian, or Filipino) in combination with another race (i.e., AIAN, black, or white) or another API subgroup cannot be imputed to a single API subgroup. API mothers are disproportionately represented in the 15 states reporting multiple race (54.8 percent in 2004). For this report, data are not shown for the specified API subgroups because the bridging technique cannot be applied in this detail (14). However, data for the API subgroups, reported alone or in combination with other races or API subgroups, are available in the 2004 Natality public-use data file. In addition, a report on births in 2003 and 2004 to multiple-race women is forthcoming.

Race of mother is reported by 35 states, the District of Columbia, and New York City in at least eight single-race categories: White, Black, American Indian or Alaska Native, Chinese, Japanese, Hawaiian,

Filipino, and "other Asian or Pacific Islander" (API). Of these, six States (Illinois, Missouri, New Jersey, Texas, Virginia, and West Virginia) and New York City report data on the expanded API subgroups included in the "other API category" (Asian Indian, Korean, Samoan, Vietnamese, Guamanian, and remaining API). Finally, the 15 states which report multiple-race data (California, Florida, Hawaii, Idaho, Kentucky, Michigan, Minnesota, New Hampshire, New York State (excluding New York City), Ohio, Pennsylvania, South Carolina, Tennessee, Utah, and Washington) report a minimum of 14 categories (White, Black, American Indian or Alaska Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Hawaiian, Guamanian, Samoan, and other Pacific Islander). For this report, as discussed above, the multiple-race combinations (for example, White and AIAN or Black and Chinese) were bridged to one of four broad categories (bridged White, bridged Black, bridged AIAN, and bridged API). Detailed data on race (single multiple) as reported in the 15 states are available on the 2004 natality public-use file.

In 2004, race of mother was not reported for 0.9 percent of births. In these cases, if the race of the father was known, the race of the father was assigned to the mother. When information was not available for either parent, the race of the mother was imputed according to the specific race of the mother on the preceding record with a known race of mother. This was necessary for just 0.7 percent of births in 2004.

Beginning with the 1989 data year, NCHS started tabulating its birth data primarily by race of the mother. In 1988 and prior years, births were tabulated by the race of the child, which was determined from the race of the parents as entered on the birth certificate. The reasons for this change are summarized in the Technical Appendix (7).

Trend data by race shown in this report are by race of mother for all years beginning with the 1980 data year. Text references to white births and white mothers or black births and black mothers are used interchangeably for ease in writing.

Marital status

National estimates of births to unmarried women are based on two methods of determining marital status. For 1994–96, birth certificates in 45 states and the District of Columbia included a question about the mother's marital status. Beginning in 1997, the marital status of women giving birth in California and Nevada is determined by a direct question in the birth registration process. Beginning June 15, 1998, Connecticut discontinued inferring the mother's marital status and added a direct question on mother's marital status to the state's birth certificate.

In the two states (Michigan and New York) that use inferential procedures to compile birth statistics by marital status in 2004, a birth is inferred as nonmarital if either of these factors, listed in priority-of-use order, is present: a paternity acknowledgment was received or the father's name is missing. In recent years, a number of states have extended their efforts to identify the fathers when the parents are not married in order to enforce child support obligations. The presence of a paternity acknowledgment, therefore, is the most reliable indicator that the birth is nonmarital in the states not reporting this information directly; this is now the key indicator in the nonreporting states. Details of the changes in reporting procedures are described in previous reports (34,139).

The mother's marital status was not reported in 2004 on 0.04 percent of the birth records in the 48 states and the District of Columbia

where this information is obtained by a direct question. Marital status was imputed as "married" for these records.

Education

In this report, data on educational attainment of the mother based on the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). The revised item asks for the highest degree or level of school completed at the time of birth (e.g., high school diploma, bachelor's degree, etc.), whereas the 1989 standard certificate item asks for the highest grade (i.e., year) completed at the time of birth. This change in format has resulted in data that are not comparable among revisions. Information on educational attainment for Florida and New Hampshire, which revised in 2004, but after January 1, are excluded from all tabulations. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

Tobacco use

In this report, data on tobacco use during pregnancy based on the 2003 revision of the U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). The revised certificate asks for the number of cigarettes smoked at different intervals before and during pregnancy. In comparison, the 1989 standard certificate asked for "Tobacco use during pregnancy," "yes/no," and the average number of cigarettes per day with no specificity on timing during pregnancy. As a result, revised data are not comparable to unrevised data and are presented separately. California did not report tobacco use in 2004; tobacco use data are also excluded for the two states Florida and New Hampshire, which revised in 2004, but after January 1, 2004. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

Prenatal care

Data on the month that prenatal care began based on the 2003 U.S. Standard Certificate of Live Birth (revised) are presented separately from those based on the 1989 revision of the U.S. Standard Certificate of Live Birth (unrevised). Substantive changes in both question wording and the sources for this information have resulted in data that are not comparable among revisions. The wording of the prenatal care item was modified to "Date of first prenatal visit" from "Month prenatal care began." In addition, the 2003 revision process resulted in recommendations that the prenatal care information be gathered from the prenatal care or medical records, whereas the 1989 revision did not recommend a source for these data. Prenatal care data are excluded for the two states Florida and New Hampshire, which revised in 2004, but after January 1. See earlier section on "The 1989 and 2003 Revisions of the U.S. Standard Certificates of Live Birth."

Method of delivery

Several rates are computed for method of delivery. The overall cesarean delivery rate or *total cesarean* rate is computed as the

percentage of all births that were delivered by cesarean section. The *primary cesarean* rate is a measure that relates the number of women having a first cesarean delivery to all women giving birth who have never had a cesarean delivery. The denominator for this rate includes the sum of primary cesareans and vaginal births without previous cesarean. The rate for *vaginal birth after previous cesarean* (VBAC) delivery is computed by relating all VBAC deliveries to the sum of VBAC and repeat cesarean deliveries, that is, to women with a previous cesarean delivery.

Despite substantive changes between the 1989 and 2003 revisions of the birth certificate to the method of delivery item, data for revised and unrevised states are combined for all national figures shown in this report. The numbers and percentages of total vaginal and total cesarean deliveries (e.g., the total cesarean delivery rate) appear to be very consistent between revisions. However, information on whether the delivery is a VBAC, primary cesarean, or repeat cesarean appears to be less comparable. In brief, data from revised states show higher-than-expected VBAC and primary cesarean rates and lower-than-expected repeat cesarean rates. These discontinuities are likely due to wording and formatting changes to the method of delivery item on the 2003 Revision of the U.S. Standard Certificate of Live Birth. The changes to the method of delivery item appear to have a small impact (2 to 3 percent) on the national primary and VBAC rates shown in this report. However, comparisons of VBAC, primary, and repeat cesarean deliveries data based on revised and unrevised data for individual states should be interpreted with caution.

Gestation

The primary measure used to determine the gestational age of the newborn is the interval between the first day of the mother's last normal menstrual period (LMP) and the date of birth. It is subject to error for several reasons, including imperfect maternal recall or misidentification of the LMP because of post conception bleeding, delayed ovulation, or intervening early miscarriage. These data are edited for LMP-based gestational ages that are clearly inconsistent with the infant's plurality and birthweight (see below), but reporting problems for this item persist and may occur more frequently among some subpopulations and among births with shorter gestations (140,141).

The U.S. Standard Certificate of Live Birth includes an item, "clinical estimate of gestation," that was compared with length of gestation computed from the date the LMP began when the latter appeared to be inconsistent with birthweight. This was done for normal weight births of apparently short gestations and very-low-birthweight births reported to be full term. The clinical estimate was also used if the LMP date was not reported. The period of gestation for 5.9 percent of the births in 2004 was based on the clinical estimate of gestation. For 97 percent of these records, the clinical estimate was used because the LMP date was not reported. For the remaining 3 percent, the clinical estimate was used because it was compatible with the reported birthweight, whereas the LMP-based gestation was not. In cases where the reported birthweight was inconsistent with both the LMP-computed gestation and the clinical estimate of gestation, the LMP-computed gestation was used and birthweight was reclassified as "not stated." This was necessary for 1,302 births or 0.04 percent of all birth records in 2004. The levels of the adjustments in 2004 data were similar to those

for earlier years (7). Despite these edits substantial incongruities in these data persist; research is ongoing to address these data deficiencies.

Birthweight

Birthweight is reported in some areas in pounds and ounces rather than in grams. However, the metric system has been used in tabulating and presenting the statistics to facilitate comparison with data published by other groups. Equivalents of the gram weights in terms of pounds and ounces are as follows:

Less than 500 grams	= 1 lb 1 oz or less
500–999 grams	= 1 lb 2 oz–2 lb 3 oz
1,000–1,499 grams	= 2 lb 4 oz–3 lb 4 oz
1,500–1,999 grams	= 3 lb 5 oz–4 lb 6 oz
2,000–2,499 grams	= 4 lb 7 oz–5 lb 8 oz
2,500–2,999 grams	= 5 lb 9 oz–6 lb 9 oz
3,000–3,499 grams	= 6 lb 10 oz–7 lb 11 oz
3,500–3,999 grams	= 7 lb 12 oz–8 lb 13 oz
4,000–4,499 grams	= 8 lb 14 oz–9 lb 14 oz
4,500–4,999 grams	= 9 lb 15 oz–11 lb 0 oz
5,000 grams or more	= 11 lb 1 oz or more

Computations of percentages, percent distributions, and medians

Births for which a particular characteristic is unknown were subtracted from the figures for total births that were used as denominators before percentages, percent distributions, and medians were computed. The percentage of records with missing information for each item is shown by state in [Table I](#). An asterisk (*) is shown in place of any derived statistic based on fewer than 20 births in the numerator.

Population denominators

Birth and fertility rates for 2004 shown in [Tables A, B, 1, 3–5, 7–9, 11, 14, 15](#), and [21](#) are based on populations estimated from the 2000 census, as of July 1, 2004. These populations are shown in [Tables II](#) and [III](#). The population estimates have been provided by the U.S. Census Bureau (16) and are based on the 2000 census counts by age, race, and sex, which have been modified to be consistent with the Office of Management and Budget (OMB) racial categories as of 1977 and historical categories for birth data. The modification procedures are described in detail elsewhere (10,11,142,143).

Birth and fertility rates by state shown in [Tables B](#) and [11](#) are based on state-level population estimates projected from the 2000 census provided by the U.S. Census Bureau (16). Rates by state shown in this report may differ from rates computed on the basis of other population estimates. Birth and fertility rates by month shown in [Table 16](#) are based on monthly population estimates also based on the 2004 estimates. Rates for unmarried women shown in [Tables 18](#) and [19](#) are based on distributions of the population by marital status averaged over a 3-year period for 2003–05 as reported by the U.S. Census Bureau in the March Current Population Survey for each year (35–37), which have been adjusted to July 2004 population levels (16) by the Division of Vital Statistics, NCHS (34,139). Birth and fertility rates for the Hispanic population, shown in [Tables 5, 7, 8, 9](#), and [15](#), are based on estimates

Table II. Estimated total population by race, and estimated female population by age and race: United States, 2004

[Populations estimated as of July 1]

Age	All races	White	Black	American Indian or Alaska Native	Asian or Pacific Islander
Total population	293,655,404	238,268,102	38,600,765	3,148,484	13,638,053
Female population					
15–44 years	62,033,402	48,758,090	9,115,649	745,279	3,414,384
10–14 years	10,314,017	7,970,814	1,749,557	149,173	444,473
15–19 years	10,094,408	7,882,326	1,623,541	146,719	441,822
15–17 years	6,074,126	4,730,761	991,660	88,794	262,911
18–19 years	4,020,282	3,151,565	631,881	57,925	178,911
20–24 years	10,168,314	7,948,811	1,569,086	137,971	512,446
25–29 years	9,566,092	7,424,518	1,427,396	115,539	598,639
30–34 years	10,129,814	7,877,175	1,458,754	111,792	682,093
35–39 years	10,481,803	8,290,818	1,472,528	111,698	606,759
40–44 years	11,592,971	9,334,442	1,564,344	121,560	572,625
45–49 years	11,204,882	9,126,191	1,442,853	111,542	524,296

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. The multiple-race population estimates were bridged to the single-race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 16.

Table III. Estimated total population by specified Hispanic origin and estimated female population by age and specified Hispanic origin and by race for women of non-Hispanic origin: United States, 2004

[Populations estimated as of July 1]

Age	Hispanic					Non-Hispanic		
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic ¹	Total ²	White	Black
Total population	41,322,073	27,239,634	3,796,668	1,615,256	8,670,410	252,333,331	199,775,516	36,921,613
Female population								
15–44 years	9,675,716	6,342,530	895,458	280,672	2,157,027	52,357,686	39,792,952	8,690,960
10–14 years	1,849,239	1,287,209	192,908	47,645	321,475	8,464,778	6,270,957	1,661,367
15–19 years	1,610,907	1,063,976	169,131	36,712	341,085	8,483,501	6,398,834	1,550,705
15–17 years	978,802	643,799	101,899	25,850	207,252	5,095,324	3,830,286	946,674
18–19 years	632,105	420,177	67,232	10,862	133,833	3,388,177	2,568,548	604,031
20–24 years	1,692,204	1,152,713	140,572	32,568	366,353	8,476,110	6,383,764	1,495,431
25–29 years	1,746,376	1,187,946	149,086	42,753	366,575	7,819,716	5,804,787	1,350,322
30–34 years	1,707,611	1,143,451	149,322	46,282	368,555	8,422,203	6,289,881	1,384,303
35–39 years	1,531,559	958,065	144,142	61,685	367,660	8,950,244	6,868,928	1,405,377
40–44 years	1,387,059	836,379	143,205	60,672	346,799	10,205,912	8,046,758	1,504,822
45–49 years	1,124,013	632,549	121,460	53,200	316,809	10,080,869	8,082,874	1,394,156

¹Includes Central and South American and other and unknown Hispanic.²Includes races other than white and black.

NOTES: These population counts are estimated based on the 2000 census; see "Technical Notes." Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. The multiple-race population estimates were bridged to the single-race categories of the 1977 OMB standards for comparability with the birth data; see "Technical Notes."

SOURCE: U.S. Census Bureau. See reference 144.

of the total Hispanic population as of July 1, 2004 (16). Rates for Hispanic subgroups are based on special population estimates that are presented in Table III in the "Technical Notes." More information about the populations for Hispanic subgroups is presented elsewhere (137,144).

The populations by race used in this report were produced under a collaborative arrangement with the U.S. Census Bureau and are based on the 2000 census counts. Reflecting the new guidelines issued in 1997 by the OMB, the 2000 census included an option for individuals to report more than one race as appropriate for themselves and household members (9). In addition, the 1997 OMB guidelines called for reporting of Asian persons separately from Native Hawaiians or

other Pacific Islanders. In the earlier 1977 OMB guidelines, data for Asian or Pacific Islander (API) persons were collected as a single group (8). Except for 15 states, birth certificates currently report only one race for each parent in the categories specified in the 1977 OMB guidelines (see "Race and Hispanic origin"). In addition, birth certificate data for the unrevised states do not report Asians separately from Native Hawaiians or other Pacific Islanders. Thus, birth certificate data by race (the numerators for birth and fertility rates) currently are largely incompatible with the population data collected in the 2000 census (the denominators for the rates).

To produce birth and fertility rates for 1991–2004, it was necessary to bridge the reported population data for multiple-race persons back

to single-race categories. In addition, the 2000 census counts were modified to be consistent with the 1977 OMB racial categories, that is, to report the data for Asian persons and Native Hawaiians or other Pacific Islanders as a combined category API (27,143). The procedures used to produce the bridged populations are described in separate publications (10,11). Beginning with births occurring in 2003, several states began reporting multiple-race data. Once all states revise their birth certificates to be compliant with the 1997 OMB standards, the use of bridged populations can be discontinued.

Populations used to calculate the rates for 1991–99 are based on population estimates as of July 1 of each year and were produced by the U.S. Census Bureau, with support from the National Cancer Institute (10,16,27). These intercensal population estimates for 1991–99 are revised based on the April 1, 2000, census. The rates for 1990 and 2000 are based on populations from the censuses in those years as of April 1.

Readers should keep in mind that the population data used to compile birth and fertility rates by race and ethnicity shown in this report are based on special estimation procedures, and are not actual counts. This is the case even for the 2000 populations that are based on the 2000 census. As a result, the estimation procedures used to develop these populations may contain some errors. Smaller populations, for example, American Indian or Alaska Natives (AIAN), are likely to be affected much more than larger populations by potential measurement error (10). While the nature and magnitude of error is unknown, the potential for error should be kept in mind when evaluating trends and differentials. As more accurate information becomes available, further revisions of the estimates may be necessary.

Computation of rates

In computing birth rates by live-birth order, births with birth order not stated were distributed in the same proportion as births of known live-birth order. This procedure is done separately by race.

In computing birth and fertility rates for the Hispanic population, births with origin of mother not stated are included with non-Hispanic births rather than being distributed. Thus, rates for the U.S. Hispanic population are underestimates of the true rates to the extent that the births with origin of mother not stated (0.8 percent) were actually to Hispanic mothers (see Table I). In computing the rates, the census-based populations with origin not stated are imputed. The effect on the rates is believed to be small.

An asterisk (*) is shown in place of any derived rate based on fewer than 20 births in the numerator, or a population denominator of less than 50 (unweighted) for decennial years and 75,000 (weighted) for all other years for the Hispanic subgroups. Rates based on populations below these minimum levels lack sufficient reliability for analytic purposes. These guidelines follow the suggestions of the U.S. Census Bureau (145,146). The population estimates for some Hispanic subgroups, especially Cubans, often do not meet the above minimum. Therefore, age-specific rates are not shown for some groups. However, summary fertility measures (i.e., crude birth rate, general fertility rate, and total fertility rate) are possible and these have been included.

Age of father—Information on age of father is often missing on birth certificates of children born to unmarried women (Table I). In computing birth rates by age of father, births where age of father is not stated are distributed in the same proportions as births with known age within each 5-year-age classification of mother. This procedure is

followed because, while father's age is missing on 14 percent of the birth certificates, one-quarter of these were on records where the mother is a teenager. This distribution procedure is done separately by race. The resulting distributions are summed to form a composite frequency distribution that is the basis for computing birth rates by age of father. This procedure avoids the distortion in rates that would result if the relationship between age of mother and age of father were disregarded.

Graphic presentation

Trend data shown in Figures 3, 4, and 7 are plotted using a logarithmic scale. This approach is taken to facilitate comparison of the relative change in rates over time for each series of rates as well as the differentials among rates for different series.

Random variation and significance testing for natality data

The number of births reported for an area is essentially a complete count, because more than 99 percent of all births are registered. Although this number is not subject to sampling error, it may be affected by nonsampling errors in the registration process such as mistakes in recording the mother's residence or age during the registration process.

When the number of births is used for analytic purposes (i.e., the comparison of numbers, rates, and percentages over time, for different areas, or among different groups), the number of events that *actually* occurred can be thought of as one outcome in a large series of possible results that *could have* occurred under the same (or similar) circumstances. When considered in this way, the number of births is subject to random variation and a probable range of values can be estimated from the actual figures, according to certain statistical assumptions.

The confidence interval is the range of values for the number of births, birth rates, or percentage of births that you could expect in 95 out of 100 cases. The confidence limits are the end points of this range of values (the highest and lowest values). Confidence limits tell you how much the number of events or rates could vary under the same (or similar) circumstances.

Confidence limits for numbers, rates, and percentages can be estimated from the actual number of vital events. Procedures differ for rates and percentages and also differ depending on the number of births on which these statistics are based. Below are detailed procedures and examples for each type of case. When the number of vital events is large, the distribution is assumed to follow a normal distribution (where the relative standard error is small).

When the number of events is small and the probability of the event is small, the distribution is assumed to follow a Poisson probability distribution. Considerable caution should be observed in interpreting the occurrence of infrequent events.

95-percent confidence limits for numbers less than 100

When the number of births is less than 100 and the rate is small, the data are assumed to follow a Poisson probability distribution (147). Confidence limits are estimated using the following formulas:

$$\text{Lower limit} = B \times L$$

$$\text{Upper limit} = B \times U$$

where

$$B = \text{number of births}$$

L = the value in [Table IV](#) that corresponds to the number B

U = the value in [Table IV](#) that corresponds to the number B

Example

Suppose that the number of first births to American Indian or Alaska Native (AIAN) women aged 40–44 years was 47. The confidence limits for this number would be:

$$\begin{aligned}\text{Lower limit} &= 47 \times 0.73476 \\ &= 35\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 47 \times 1.32979 \\ &= 63\end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to AIAN women aged 40–44 years would lie between 35 and 63.

95-percent confidence limits for numbers of 100 or more

When the number of events is greater than 100, the data are assumed to approximate a normal distribution. Formulas for 95-percent confidence limits are:

$$\begin{aligned}\text{Lower limit} &= B - (1.96 \times \sqrt{B}) \\ \text{Upper limit} &= B + (1.96 \times \sqrt{B})\end{aligned}$$

where

$$B = \text{number of births}$$

Example

Suppose that the number of first births to white women aged 40–44 years was 14,108. The 95-percent confidence limits for this number would be:

$$\begin{aligned}\text{Lower limit} &= 14,108 - (1.96 \times \sqrt{14,108}) \\ &= 14,108 - 233 \\ &= 13,875\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 14,108 + (1.96 \times \sqrt{14,108}) \\ &= 14,108 + 233 \\ &= 14,341\end{aligned}$$

This means that the chances are 95 out of 100 that the actual number of first births to white women aged 40–44 years would lie between 13,875 and 14,341.

Computing confidence intervals for rates

The same statistical assumptions can be used to estimate the variability in birth rates. Again, one formula is used for rates based on numbers of events less than 100, and another formula for rates

based on numbers of 100 or greater. For our purposes, assume that the denominators of these rates (the population estimates) have no error. While this assumption is technically correct *only* for denominators based on the census that occurs every 10 years, the error in intercensal population estimates is usually small, difficult to measure, and therefore not considered. (See, however, discussion of population denominators earlier in the “[Technical Notes](#).”)

95-percent confidence limits for rates based on fewer than 100 events

When the number of events in the numerator is less than 20 (or the population denominator is less than 50 for decennial years and 75,000 for all other years for the Hispanic subgroups), an asterisk (*) is shown in place of the rate because there were too few births or the population is too small to compute a statistically reliable rate. When the number of events in the numerator is greater than 20 but less than 100 (and the population denominator for the Hispanic subgroups is above the minimum), the confidence interval for a rate can be estimated using the two formulas that follow and the values in [Table IV](#).

$$\text{Lower limit} = R \times L$$

$$\text{Upper limit} = R \times U$$

where

$$R = \text{birth rate}$$

L = the value in [Table IV](#) that corresponds to the number of events

$$B$$

U = the value in [Table IV](#) that corresponds to the number of events

$$B$$

Example

Suppose that the first birth rate for AIAN women aged 40–44 years was 0.50 per thousand, based on 47 births in the numerator. Using [Table IV](#):

$$\text{Lower limit} = 0.50 \times 0.73476 = 0.37$$

$$\text{Upper limit} = 0.50 \times 1.32979 = 0.66$$

This means that the chances are 95 out of 100 that the actual first birth rate for AIAN women aged 40–44 years lies between 0.37 and 0.66.

95-percent confidence limits for rates when the numerator is 100 or more

In this case, use the following formula for the birth rate R based on the number of births B :

$$\text{Lower limit} = R - [1.96 \times (R / \sqrt{B})]$$

$$\text{Upper limit} = R + [1.96 \times (R / \sqrt{B})]$$

where

$$R = \text{birth rate}$$

$$B = \text{number of births}$$

Table IV. Values of L and U for calculating 95-percent confidence limits for numbers of events and rates when the number of events is less than 100

N	L	U	N	L	U
1	0.02532	5.57164	51	0.74457	1.31482
2	0.12110	3.61234	52	0.74685	1.31137
3	0.20622	2.92242	53	0.74907	1.30802
4	0.27247	2.56040	54	0.75123	1.30478
5	0.32470	2.33367	55	0.75334	1.30164
6	0.36698	2.17658	56	0.75539	1.29858
7	0.40205	2.06038	57	0.75739	1.29562
8	0.43173	1.97040	58	0.75934	1.29273
9	0.45726	1.89831	59	0.76125	1.28993
10	0.47954	1.83904	60	0.76311	1.28720
11	0.49920	1.78928	61	0.76492	1.28454
12	0.51671	1.74680	62	0.76669	1.28195
13	0.53246	1.71003	63	0.76843	1.27943
14	0.54671	1.67783	64	0.77012	1.27698
15	0.55969	1.64935	65	0.77178	1.27458
16	0.57159	1.62394	66	0.77340	1.27225
17	0.58254	1.60110	67	0.77499	1.26996
18	0.59266	1.58043	68	0.77654	1.26774
19	0.60207	1.56162	69	0.77806	1.26556
20	0.61083	1.54442	70	0.77955	1.26344
21	0.61902	1.52861	71	0.78101	1.26136
22	0.62669	1.51401	72	0.78244	1.25933
23	0.63391	1.50049	73	0.78384	1.25735
24	0.64072	1.48792	74	0.78522	1.25541
25	0.64715	1.47620	75	0.78656	1.25351
26	0.65323	1.46523	76	0.78789	1.25165
27	0.65901	1.45495	77	0.78918	1.24983
28	0.66449	1.44528	78	0.79046	1.24805
29	0.66972	1.43617	79	0.79171	1.24630
30	0.67470	1.42756	80	0.79294	1.24459
31	0.67945	1.41942	81	0.79414	1.24291
32	0.68400	1.41170	82	0.79533	1.24126
33	0.68835	1.40437	83	0.79649	1.23965
34	0.69253	1.39740	84	0.79764	1.23807
35	0.69654	1.39076	85	0.79876	1.23652
36	0.70039	1.38442	86	0.79987	1.23499
37	0.70409	1.37837	87	0.80096	1.23350
38	0.70766	1.37258	88	0.80203	1.23203
39	0.71110	1.36703	89	0.80308	1.23059
40	0.71441	1.36172	90	0.80412	1.22917
41	0.71762	1.35661	91	0.80514	1.22778
42	0.72071	1.35171	92	0.80614	1.22641
43	0.72370	1.34699	93	0.80713	1.22507
44	0.72660	1.34245	94	0.80810	1.22375
45	0.72941	1.33808	95	0.80906	1.22245
46	0.73213	1.33386	96	0.81000	1.22117
47	0.73476	1.32979	97	0.81093	1.21992
48	0.73732	1.32585	98	0.81185	1.21868
49	0.73981	1.32205	99	0.81275	1.21746
50	0.74222	1.31838			

Example

Suppose that the first birth rate for white women aged 40–44 years was 1.55 per 1,000, based on 14,108 births in the numerator. Therefore, the 95-percent confidence interval would be:

$$\begin{aligned}\text{Lower limit} &= 1.55 - [1.96 \times (1.55 / \sqrt{14,108})] \\ &= 1.55 - 0.026 \\ &= 1.52\end{aligned}$$

$$\begin{aligned}\text{Upper limit} &= 1.55 + [1.96 \times (1.55 / \sqrt{14,108})] \\ &= 1.55 + 0.026 \\ &= 1.58\end{aligned}$$

This means that the chances are 95 out of 100 that the actual first birth rate for white women aged 40–44 years lies between 1.52 and 1.58.

Computing 95-percent confidence intervals for percentages

In many instances we need to compute the confidence intervals for percentages. Percentages derive from a binomial distribution. As with birth rates, an asterisk (*) will be shown for any percentage that is based on fewer than 20 births in the numerator. We easily compute a 95-percent confidence interval for a percentage when the following conditions are met:

$$B \times p \geq 5 \text{ and } B \times q \geq 5$$

where

$$\begin{aligned} B &= \text{number of births in the denominator} \\ p &= \text{percent divided by 100} \\ q &= 1 - p \end{aligned}$$

For natality data, these conditions will be met except for very rare events in small subgroups. If the conditions are not met, the variation in the percentage will be so large as to render the confidence intervals meaningless. When these conditions are met the 95-percent confidence interval can be computed using the normal approximation of the binomial. The 95-percent confidence intervals are computed by the following formulas:

$$\text{Lower limit} = p - [1.96 \times (\sqrt{p \times q / B})]$$

$$\text{Upper limit} = p + [1.96 \times (\sqrt{p \times q / B})]$$

where

$$\begin{aligned} p &= \text{percent divided by 100} \\ q &= 1 - p \\ B &= \text{number of births in the denominator} \end{aligned}$$

Example

Suppose that the percentage of births to Hispanic women in Arizona that were to unmarried women was 49.7 percent. This was based on 14,751 births in the numerator and 29,682 births in the denominator. First we test to make sure we can use the normal approximation of the binomial:

$$29,682 \times 0.497 = 14,752$$

$$29,682 \times (1 - 0.497) = 29,682 \times 0.503 = 14,930$$

Both 14,752 and 14,930 are greater than 5 so we can proceed. The 95-percent confidence interval would be:

$$\begin{aligned} \text{Lower limit} &= 0.497 - [1.96 \times (\sqrt{0.497 \times 0.503 / 29,682})] \\ &= 0.497 - 0.006 \\ &= 0.491 \text{ or } 49.1 \text{ percent} \end{aligned}$$

$$\begin{aligned} \text{Upper limit} &= 0.497 + [1.96 \times (\sqrt{0.497 \times 0.503 / 29,682})] \\ &= 0.497 + 0.006 \\ &= 0.503 \text{ or } 50.3 \text{ percent} \end{aligned}$$

This means that the chances are 95 out of 100 that the actual percentage of births to unmarried Hispanic women in Arizona lies between 49.1 and 50.3 percent.

Significance testing

One or both of the rates is based on fewer than 100 cases

To compare two rates, when one or both of those rates are based on less than 100 cases, you first compute the confidence intervals for both rates. Then you check to see if those intervals overlap. If they **do** overlap, the difference is not statistically significant at the 95-percent level. If they **do not** overlap, the difference is indeed statistically significant.

Example

Suppose that the first birth rate for AIAN women aged 40–44 years was 0.70 per 1,000 in year X and 0.57 in year Y. Is the rate for year X significantly higher than the rate for year Y? The two rates are based on 63 events in year X and 54 events in year Y. Both rates are based on fewer than 100 events; therefore, the first step is to compute the confidence intervals for both rates.

	Lower Limit	Upper Limit
Year X	0.54	0.90
Year Y	0.43	0.74

These two confidence intervals overlap. Therefore, the first birth rate for AIAN women aged 40–44 years in year X is not significantly higher (at the 95-percent confidence level) than the rate in year Y.

This method of comparing confidence intervals is a conservative test for statistical significance. That is, the difference between two rates may, in fact, be statistically significant even though confidence intervals for the two rates overlap (148). Thus, caution should be observed when interpreting a nonsignificant difference between two rates, especially when the lower and upper limits being compared overlap only slightly.

Both rates are based on 100 or more events

When both rates are based on 100 or more events, the difference between the two rates, irrespective of sign (+/-), is considered statistically significant if it exceeds the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two rates.

$$1.96 \times \sqrt{\frac{R_1^2}{N_1} + \frac{R_2^2}{N_2}}$$

where

$$R_1 = \text{first rate}$$

$$R_2 = \text{second rate}$$

$$N_1 = \text{first number of births}$$

$$N_2 = \text{second number of births}$$

If the difference is **greater** than this statistic, then the difference would occur by chance less than 5 times out of 100. If the difference is **less than or equal** to this statistic, the difference might occur by chance more than 5 times out of 100. We say that the difference is not statistically significant at the 95-percent confidence level.

Example

Is the first birth rate for black women aged 40–44 years (1.08 per 1,000) significantly lower than the comparable rate for white women (1.55)? Both rates are based on more than 100 births (1,535 for black women and 14,108 for white women). The difference between the rates is $1.55 - 1.08 = 0.47$. The statistic is then calculated as follows:

$$1.96 \times \sqrt{\frac{1.08^2}{1,535} + \frac{1.55^2}{14,108}}$$

$$= 1.96 \times \sqrt{([1.166/1,535] + [2.403/14,108])}$$

$$\begin{aligned}
 &= 1.96 \times \sqrt{0.00076 + 0.00017} \\
 &= 1.96 \times \sqrt{0.00093} \\
 &= 1.96 \times 0.03 \\
 &= 0.06
 \end{aligned}$$

The difference between the rates (0.47) is greater than this statistic (0.06). Therefore, the difference is statistically significant at the 95-percent confidence level.

Testing differences between two percentages

When testing the difference between two percentages, both percentages must meet the following conditions:

$$B \times p \geq 5 \text{ and } B \times q \geq 5$$

where

B = number of births in the denominator

p = percent divided by 100

$$q = 1 - p$$

When both percentages meet these conditions then the difference between the two percentages is considered statistically significant if it is greater than the statistic in the formula below. This statistic equals 1.96 times the standard error for the difference between two percentages.

$$1.96 \times \sqrt{p \times (1 - p) \times \left(\frac{1}{B_1} + \frac{1}{B_2} \right)}$$

where

B_1 = number of births in the denominator of the first percentage

B_2 = number of births in the denominator of the second percentage

$$p = \frac{B_1 \times p_1 + B_2 \times p_2}{B_1 + B_2}$$

p_1 = the first percent divided by 100

p_2 = the second percent divided by 100

Example

Is the percentage of births to Hispanic women that were to unmarried women higher in New Mexico (50.2) than in Arizona (49.7)? Suppose that the number in the denominator was 13,714 in New Mexico and 29,682 in Arizona. The necessary conditions are met for both percentages (calculations not shown). The difference between the two percentages is $0.502 - 0.497 = 0.005$. The statistic is then calculated as follows:

$$\begin{aligned}
 1.96 \times \sqrt{0.499 \times (0.501) \times (0.000106609)} &= 1.96 \times \sqrt{0.000026652} \\
 &= 1.96 \times 0.005162563 \\
 &= 0.010
 \end{aligned}$$

The difference between the percentages (0.005) is less than this statistic (0.010). Therefore, the difference is not statistically significant at the 95-percent confidence level.

Information on computing confidence intervals for and testing differences between rates for Hispanic subgroups is available elsewhere (138).

Testing differences between two means

A previous report details the formula and procedure in testing differences between two means in which both means are based on 100 or more cases (31).

Definitions of medical terms

Maternal and infant health characteristics available from both the 1989 and 2003 revisions of the U.S. Standard Certificate of Live Birth are presented in this report. The definitions below are based on those developed for the 2003 revision of the U.S. Standard Certificate of Live Birth (149). These definitions are similar to, but not the same as those developed for the 1989 revision of the U.S. Standard Certificate of Live Birth. For definitions used for the 1989 revision see "Births: Final Data for 2003." (4).

Risk factors in this pregnancy

Diabetes—Glucose intolerance requiring treatment.

Hypertension, pregnancy-associated—Diagnosis in this pregnancy of elevation of blood pressure above normal for age, gender, and physiological condition.

Hypertension, chronic—Diagnosis prior to the onset of this pregnancy of elevation of blood pressure above normal for age, gender, and physiological condition.

Obstetric procedures and characteristics of labor and delivery

Induction of labor—Initiation of uterine contractions by medical or surgical means for the purpose of delivery before the spontaneous onset of labor (i.e., before labor has begun).

Tocolysis—Administration of any agent with the intent to inhibit preterm uterine contractions to extend the length of the pregnancy.

Meconium, moderate/heavy—Staining of the amniotic fluid caused by passage of fetal bowel contents during labor and/or at delivery that is more than enough to cause a greenish color change of an otherwise clear fluid.

Breech/Malpresentation—Presenting part of the fetus listed as breech, complete breech, frank breech, footling breech.

Precipitous labor—Labor lasting less than 3 hours.

Congenital anomalies

Anencephaly—Partial or complete absence of the brain and skull.

Meningomyecele/Spina bifida—Meningomyelocele is herniation of meninges and spinal cord tissue. Meningocele (herniation of meninges without spinal cord tissue) should also be included in this category. Both open and closed (covered with skin) lesions should be included. Spina bifida is herniation of the meninges and/or spinal cord tissue through a bony defect of spine closure.

Omphalocele/Gastroschisis—Omphalocele is a defect in the anterior abdominal wall, accompanied by herniation of some abdominal organs through a widened umbilical ring into the umbilical stalk. Gastroschisis is an abnormality of the anterior abdominal wall, lateral to the umbilicus, resulting in herniation of the abdominal contents directly into the amniotic cavity.

Cleft lip/palate—Cleft lip is incomplete closure of the lip. It may be unilateral, bilateral, or median. Cleft palate is incomplete fusion of the palatal shelves. It may be limited to the soft palate, or it may extend into the hard palate.

Down's syndrome—The most common chromosomal defect (trisomy 21).

Related reports

Many of the topics discussed in this report are covered in more analytic detail in other reports published by NCHS. Topics include mean age of mother (31); Hispanic origin births (137,150); twin births (151); trends in teenage and young teen births (15); cesarean deliveries (81,152), attendant at birth, place of delivery, and obstetric procedures (153); births to unmarried mothers (34,139); trends in pregnancies and pregnancy rates (19,20), trends in smoking (154); trends in characteristics of births by state (32); birth outcome (155,156); and trends in reproduction and intrinsic rates (157).

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Table U-1. Number of live births by drinking status and percent drinkers by age of mother: Total of 40 reporting States, New York City and the District of Columbia, 2004

Drinking status	All ages	Age of mother									
		Under 15 years	15-19 years			20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
			Total	15-17 years	18-19 years						
All births		Number									
Total	2,762,733	4,842	286,886	93,197	193,689	710,122	749,343	638,524	304,435	68,581	
Drinker	19,971	17	1,436	421	1,015	4,401	4,387	5,065	3,553	1,112	
Nondrinker	2,711,059	4,774	283,190	92,106	191,084	699,171	736,230	624,807	296,545	66,342	
Not stated	31,703	51	2,260	670	1,590	6,550	8,726	8,652	4,337	1,127	
All births		Percent									
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Drinker	0.7	*	0.5	0.5	0.5	0.6	0.6	0.8	1.2	1.6	
Nondrinker	99.3	99.6	99.5	99.5	99.5	99.4	99.4	99.2	98.8	98.4	

NOTES: Excludes data for California, which did not require reporting of alcohol use during pregnancy.
Also excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth which does not include an item on alcohol use; see "Technical Notes" of "Births: Final Data for 2004."

Table U-2. Live births to mothers with selected medical risk factors and rates by age of mother, by race of mother: United States, 2004

[Rates are number of live births with specified medical risk factor per 1,000 live births in specified group]

Medical risk factor and race of mother	All births 1	Medical risk factor reported	Age of mother							Not stated 2
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races 3										
Anemia 4	3,307,576	74,605	22.8	32.2	27.7	20.9	18.2	17.8	18.6	29,677
Cardiac disease 4	3,307,576	12,411	3.8	2.1	2.8	3.5	4.6	5.7	6.8	29,677
Acute or chronic lung disease 4	3,307,576	36,938	11.3	13.6	11.6	10.8	10.4	10.7	12.7	29,677
Diabetes	4,112,052	146,435	35.8	11.2	20.4	34.1	46.9	61.8	80.9	17,761
Genital herpes 4,5	2,926,283	25,553	8.8	6.0	7.9	8.1	9.5	12.2	12.9	26,114
Hydramnios/Oligohydramnios 4	3,307,576	45,205	13.8	14.6	13.8	13.3	13.4	14.1	17.6	29,677
Hemoglobinopathy 4	3,307,576	2,784	0.8	1.1	0.9	0.8	0.7	0.9	0.9	29,677
Hypertension, chronic	4,112,052	39,380	9.6	3.5	5.7	8.7	11.8	17.4	26.7	17,761
Hypertension, pregnancy-associated	4,112,052	155,246	37.9	41.4	37.2	37.4	36.1	38.7	48.8	17,761
Eclampsia	4,112,052	11,190	2.7	3.6	2.8	2.5	2.5	2.8	3.8	17,761
Incompetent cervix 4	3,307,576	9,419	2.9	1.4	2.0	2.8	3.7	4.3	5.2	29,677
Previous infant 4000+ grams 4	3,307,576	29,691	9.1	1.1	5.0	9.4	12.8	14.9	17.5	29,677
Previous preterm or small-for-gestational-age infant 4	3,307,576	35,926	11.0	3.6	10.2	11.7	12.4	13.9	14.5	29,677
Renal disease 4	3,307,576	8,642	2.6	2.8	2.9	2.8	2.3	2.2	2.1	29,677
Rh sensitization 4,6	3,267,907	19,425	6.0	4.7	5.5	6.0	6.6	6.8	6.8	29,647
Uterine bleeding 4,5	2,926,283	13,984	4.8	3.6	4.4	4.8	5.1	5.7	6.7	26,114
White										
Anemia 4	2,590,115	51,071	19.9	28.4	23.8	18.4	16.4	16.1	16.7	23,318
Cardiac disease 4	2,590,115	10,118	3.9	2.1	2.8	3.6	4.8	5.9	7.1	23,318
Acute or chronic lung disease 4	2,590,115	27,253	10.6	11.8	10.6	10.3	10.3	10.7	12.5	23,318
Diabetes	3,222,928	109,811	34.2	11.3	20.1	32.1	43.6	57.4	75.5	13,490
Genital herpes 4,5	2,265,477	19,410	8.6	5.5	7.2	7.7	9.6	13.0	13.7	20,372
Hydramnios/Oligohydramnios 4	2,590,115	34,093	13.3	14.0	13.4	12.8	12.9	13.6	16.9	23,318
Hemoglobinopathy 4	2,590,115	1,019	0.4	0.3	0.3	0.4	0.4	0.6	0.6	23,318
Hypertension, chronic	3,222,928	26,628	8.3	3.0	4.9	7.6	10.2	14.2	21.1	13,490
Hypertension, pregnancy-associated	3,222,928	122,862	38.3	40.5	37.6	38.5	36.8	38.4	47.7	13,490
Eclampsia	3,222,928	8,239	2.6	3.1	2.6	2.3	2.4	2.7	3.6	13,490
Incompetent cervix 4	2,590,115	6,298	2.5	1.2	1.6	2.2	3.2	3.9	4.6	23,318
Previous infant 4000+ grams 4	2,590,115	26,360	10.3	1.3	5.5	10.5	14.3	16.8	19.9	23,318
Previous preterm or small-for-gestational-age infant 4	2,590,115	27,793	10.8	3.4	9.7	11.4	12.4	13.8	14.6	23,318
Renal disease 4	2,590,115	7,473	2.9	3.3	3.3	3.1	2.5	2.4	2.2	23,318
Rh sensitization 4,6	2,554,943	17,400	6.9	5.4	6.2	6.8	7.6	7.8	7.8	23,295
Uterine bleeding 4,5	2,265,477	11,310	5.0	3.7	4.5	5.0	5.4	5.8	6.9	20,372
Black										
Anemia 4	479,652	17,889	37.6	40.7	41.4	35.8	33.3	32.0	31.6	4,423
Cardiac disease 4	479,652	1,593	3.4	1.9	2.6	3.4	4.8	5.5	6.0	4,423
Acute or chronic lung disease 4	479,652	7,669	16.1	19.1	16.2	15.9	14.7	13.7	14.3	4,423
Diabetes	616,074	20,923	34.1	9.9	20.1	37.0	55.7	74.2	95.4	2,709
Genital herpes 4,5	437,311	5,138	11.9	7.5	11.4	13.5	14.4	13.0	11.8	3,890
Hydramnios/Oligohydramnios 4	479,652	7,826	16.5	16.2	15.1	15.9	18.4	18.6	22.8	4,423
Hemoglobinopathy 4	479,652	1,594	3.4	3.5	3.5	3.5	3.0	3.0	2.7	4,423
Hypertension, chronic	616,074	10,995	17.9	5.1	9.2	17.2	29.2	46.4	68.9	2,709
Hypertension, pregnancy-associated	616,074	25,522	41.6	44.2	37.8	39.5	43.5	49.5	58.7	2,709
Eclampsia	616,074	2,361	3.8	4.5	3.4	3.6	3.9	4.1	5.6	2,709
Incompetent cervix 4	479,652	2,603	5.5	1.9	3.6	6.4	9.3	8.9	9.9	4,423
Previous infant 4000+ grams 4	479,652	1,763	3.7	0.5	2.4	4.4	6.6	6.8	7.0	4,423
Previous preterm or small-for-gestational-age infant 4	479,652	5,885	12.4	4.2	12.1	14.9	15.7	16.0	14.8	4,423
Renal disease 4	479,652	734	1.5	1.3	1.6	1.6	1.5	2.0	4,423	
Rh sensitization 4,6	476,810	1,596	3.4	3.0	3.4	3.3	3.6	3.7	3.8	4,417
Uterine bleeding 4,5	437,311	1,786	4.1	3.2	4.0	4.0	4.7	5.2	6.2	3,890

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified medical risk factor.

2 No response reported for the medical risk factor item.

3 Includes races other than white and black.

4 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth.

5 Texas does not report this risk factor.

6 Kansas does not report this risk factor.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U-3. Live births to mothers with selected complications of labor and/or delivery and rates by age of mother, by race of mother:
United States, 2004

[Rates are number of live births with specified complication per 1,000 live births in specified group]

Complication and race of mother	All births 1	Complication reported	Age of mother							
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	Not stated 2
All races 3										
Febrile 4	3,307,576	49,620	15.1	20.6	15.7	14.9	14.4	12.1	10.1	25,185
Meconium, moderate/heavy	4,112,052	198,250	48.3	54.8	49.7	47.5	46.2	46.3	47.8	11,576
Premature rupture of membrane 4	3,307,576	64,483	19.6	21.1	18.8	19.0	19.6	21.0	23.0	25,185
Abruption placenta 4	3,307,576	17,045	5.2	5.2	5.1	4.8	5.0	6.0	7.8	25,185
Placenta previa 4	3,307,576	10,822	3.3	1.0	1.8	2.8	4.4	6.4	9.1	25,185
Other excessive bleeding 4	3,307,576	18,598	5.7	5.3	5.3	5.4	5.9	6.3	8.2	25,185
Seizures during labor 4	3,307,576	964	0.3	0.6	0.3	0.2	0.2	0.3	0.3	25,185
Precipitous labor	4,112,052	78,516	19.2	13.0	17.8	19.3	21.1	22.8	22.0	16,266
Prolonged labor 4	3,307,576	22,825	7.0	8.7	7.2	6.8	6.5	6.1	7.0	25,185
Dysfunctional labor 4	3,307,576	88,251	26.9	29.3	26.3	26.1	26.5	27.6	30.7	25,185
Breech/Malpresentation	4,112,052	170,141	41.6	29.5	33.5	40.4	47.8	54.7	65.3	21,111
Cephalopelvic disproportion 4	3,307,576	48,080	14.6	16.5	14.0	14.6	14.6	14.6	14.8	25,185
Cord prolapse 4	3,307,576	5,682	1.7	1.4	1.6	1.8	1.8	2.0	2.5	25,185
Anesthetic complication 4,5	2,926,283	1,538	0.5	0.4	0.5	0.5	0.6	0.6	0.7	25,070
Fetal distress 4,5	2,926,283	108,232	37.3	42.3	37.1	35.6	36.0	38.3	44.7	25,070
White										
Febrile 4	2,590,115	37,313	14.5	20.4	15.6	14.2	13.4	11.4	9.6	19,762
Meconium, moderate/heavy	3,222,928	145,501	45.3	50.4	46.6	44.4	43.5	43.9	45.5	8,682
Premature rupture of membrane 4	2,590,115	48,437	18.8	19.7	17.8	18.3	19.1	20.3	22.5	19,762
Abruption placenta 4	2,590,115	12,725	5.0	4.9	4.9	4.6	4.8	5.8	7.5	19,762
Placenta previa 4	2,590,115	8,238	3.2	1.0	1.7	2.8	4.2	6.0	8.5	19,762
Other excessive bleeding 4	2,590,115	14,604	5.7	5.5	5.4	5.4	5.9	6.2	8.2	19,762
Seizures during labor 4	2,590,115	686	0.3	0.5	0.3	0.2	0.2	0.2	*	19,762
Precipitous labor	3,222,928	60,327	18.8	12.0	16.8	18.8	21.0	22.8	22.4	12,546
Prolonged labor 4	2,590,115	17,891	7.0	8.9	7.4	6.7	6.4	6.2	7.2	19,762
Dysfunctional labor 4	2,590,115	67,028	26.1	28.8	25.9	25.3	25.3	26.7	30.2	19,762
Breech/Malpresentation	3,222,928	137,099	42.8	30.8	34.2	41.3	48.8	55.4	66.0	16,142
Cephalopelvic disproportion 4	2,590,115	38,273	14.9	17.0	14.6	15.0	14.4	14.6	15.1	19,762
Cord prolapse 4	2,590,115	4,406	1.7	1.4	1.5	1.7	1.8	1.9	2.7	19,762
Anesthetic complication 4,5	2,265,477	1,207	0.5	0.4	0.5	0.5	0.6	0.7	0.6	19,669
Fetal distress 4,5	2,265,477	80,205	35.7	40.1	36.0	34.0	34.3	36.8	43.5	19,669
Black										
Febrile 4	479,652	6,842	14.4	20.7	14.4	12.9	12.3	10.8	8.3	3,603
Meconium, moderate/heavy	616,074	39,234	63.8	67.0	61.1	63.6	65.7	65.4	64.3	1,561
Premature rupture of membrane 4	479,652	10,723	22.5	23.9	21.2	21.4	23.1	25.7	26.7	3,603
Abruption placenta 4	479,652	3,190	6.7	6.1	6.3	6.7	7.3	7.7	10.4	3,603
Placenta previa 4	479,652	1,451	3.0	1.0	1.9	3.1	4.7	7.0	8.9	3,603
Other excessive bleeding 4	479,652	2,128	4.5	3.5	3.8	4.5	5.1	6.7	7.7	3,603
Seizures during labor 4	479,652	220	0.5	0.9	0.4	0.3	0.4	*	*	3,603
Precipitous labor	616,074	12,558	20.5	15.0	20.5	22.3	22.1	22.9	19.8	2,101
Prolonged labor 4	479,652	2,815	5.9	7.5	5.7	5.5	5.7	4.8	6.7	3,603
Dysfunctional labor 4	479,652	13,162	27.6	29.4	26.0	26.6	29.6	29.6	27.9	3,603
Breech/Malpresentation	616,074	22,690	37.0	25.9	31.1	37.9	46.5	55.8	65.1	3,229
Cephalopelvic disproportion 4	479,652	5,267	11.1	14.2	11.1	9.9	10.2	10.1	8.0	3,603
Cord prolapse 4	479,652	857	1.8	1.3	1.7	2.0	1.9	2.5	2.0	3,603
Anesthetic complication 4,5	437,311	227	0.5	0.4	0.4	0.6	0.7	0.7	*	3,592
Fetal distress 4,5	437,311	19,729	45.5	48.6	42.1	42.9	48.7	51.0	55.9	3,592

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

1 Total number of births to residents of areas reporting specified complication.

2 No response reported for the complications item.

3 Includes races other than white and black.

4 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth.

5 Texas does not report this complication.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U-4. Rates of cesarean delivery and vaginal birth after previous cesarean delivery, by selected maternal medical risk factors and complications of labor and/or delivery: United States, 2004

Medical risk factor and complication	All births to mothers with specified condition and/or procedure	Cesarean delivery rate		Rate of vaginal birth after previous cesarean 3
		Total 1	Primary 2	
Medical risk factors				
Anemia 4	74,605	29.0	19.8	10.4
Cardiac disease 4	12,411	34.8	25.2	9.3
Acute or chronic lung disease 4	36,938	31.9	22.9	10.0
Diabetes	146,435	44.3	32.9	6.8
Genital herpes 4,5	25,553	37.7	30.6	13.3
Hydramnios/Oligohydramnios 4	45,205	42.3	36.1	7.9
Hemoglobinopathy 4	2,784	33.2	24.4	9.2
Hypertension, chronic	39,380	49.6	39.2	6.3
Hypertension, pregnancy-associated	155,246	45.1	39.2	6.1
Eclampsia	11,190	55.9	50.1	3.9
Incompetent cervix 4	9,419	43.0	35.2	12.3
Renal disease 4	8,642	31.3	22.8	11.1
Rh sensitization 4,6	19,425	30.0	20.7	9.3
Uterine bleeding 4,5	13,984	39.0	30.6	11.1
Complications of labor and/or delivery				
Febrile 4	49,620	33.2	32.0	35.0
Meconium, moderate/heavy	198,250	24.7	21.6	27.8
Premature rupture of membrane 4	64,483	32.6	28.3	18.9
Abruptio placenta 4	17,045	65.0	60.5	7.8
Placenta previa 4	10,822	82.3	78.1	1.9
Other excessive bleeding 4	18,598	36.7	29.1	13.8
Seizures during labor 4	964	56.8	53.8	*
Precipitous labor (less than 3 hours)	78,516	3.1	2.2	70.3
Prolonged labor (more than 20 hours) 4	22,825	38.8	38.2	44.2
Dysfunctional labor 4	88,251	74.1	72.9	8.5
Breech/Malpresentation	170,141	87.1	85.6	2.6
Cephalopelvic disproportion 4	48,080	96.1	96.0	2.2
Cord prolapse 4	5,682	65.4	63.5	8.4
Anesthetic complication 4,5	1,538	45.3	36.7	9.9
Fetal distress 4,5	108,232	64.7	63.2	12.3

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in numerator.

1 Percent of all live births by cesarean delivery.

2 Number of primary cesareans per 100 live births to women who have not had a previous cesarean.

3 Number of vaginal births after previous cesarean delivery per 100 live births to women with a previous cesarean delivery.

4 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth; see "Technical Notes" of "Births: Final Data for 2004."

5 Texas does not report this risk factor or complication.

6 Kansas does not report this risk factor.

Table U-5. Live births with selected abnormal conditions of the newborn and rates by age of mother, by race of mother: Total of 41 States, New York City and the District of Columbia, 2004

[Rates are number of live births with specified abnormal condition per 1,000 live births in specified group]

Abnormal condition and race of mother	All births 1	Abnormal condition reported	Age of mother							Not stated 2
			All ages	Under 20 years	20-24 years	25-29 years	30-34 years	35-39 years	40-54 years	
All races 3										
Anemia	3,307,576	3,025	0.9	1.0	0.8	0.9	0.9	1.1	1.4	28,688
Birth injury 4	2,899,951	7,783	2.7	3.2	3.0	2.6	2.6	2.3	2.4	28,354
Fetal alcohol syndrome 5	3,237,430	95	0.0	*	*	0.0	*	0.1	*	28,597
Hyaline membrane disease/RDS	3,307,576	18,920	5.8	6.3	5.9	5.6	5.5	5.6	7.4	28,688
Meconium aspiration syndrome	3,307,576	4,425	1.3	1.7	1.5	1.3	1.2	1.3	1.5	28,688
Assisted ventilation less than 30 minutes 6	3,188,508	57,124	18.0	18.2	16.9	17.3	18.8	20.0	21.3	23,631
Assisted ventilation 30 minutes or longer 6	3,188,508	28,625	9.0	10.4	8.8	8.6	8.7	9.6	11.9	23,631
Seizures	3,307,576	1,466	0.4	0.6	0.5	0.4	0.4	0.4	0.5	28,688
White										
Anemia	2,590,115	2,232	0.9	0.8	0.8	0.9	1.1	1.3	22,404	
Birth injury 4	2,241,773	6,501	2.9	3.6	3.4	2.8	2.7	2.4	2.6	22,125
Fetal alcohol syndrome 5	2,530,127	53	0.0	*	*	*	*	*	*	22,323
Hyaline membrane disease/RDS	2,590,115	14,934	5.8	6.0	5.9	5.8	5.6	5.7	7.2	22,404
Meconium aspiration syndrome	2,590,115	3,354	1.3	1.7	1.4	1.3	1.1	1.2	1.3	22,404
Assisted ventilation less than 30 minutes 6	2,522,361	46,080	18.4	18.1	16.9	17.5	19.5	20.8	22.7	19,281
Assisted ventilation 30 minutes or longer 6	2,522,361	22,000	8.8	10.0	8.4	8.3	8.6	9.5	11.6	19,281
Seizures	2,590,115	1,165	0.5	0.6	0.5	0.5	0.4	0.4	0.5	22,404
Black										
Anemia	479,652	578	1.2	1.2	1.0	1.3	1.4	1.4	2.3	4,154
Birth injury 4	435,738	644	1.5	1.8	1.5	1.3	1.5	1.4	*	4,113
Fetal alcohol syndrome 5	473,051	20	0.0	*	*	*	*	*	*	4,146
Hyaline membrane disease/RDS	479,652	3,087	6.5	7.1	6.1	6.3	6.5	6.4	9.8	4,154
Meconium aspiration syndrome	479,652	763	1.6	1.6	1.5	1.4	2.0	1.9	*	4,154
Assisted ventilation less than 30 minutes 6	444,615	8,251	18.7	19.0	17.6	18.5	19.6	20.6	20.4	2,849
Assisted ventilation 30 minutes or longer 6	444,615	5,241	11.9	11.8	10.7	11.9	13.1	13.8	14.5	2,849
Seizures	479,652	210	0.4	0.6	0.4	0.4	0.4	*	*	4,154

* Figure does not meet standards of reliability or precision; based on fewer than 20 births in the numerator.

0.0 Quantity more than zero but less than 0.05.

1 Total number of births to residents of areas reporting specified abnormal condition.

2 No response reported for the abnormal condition item.

3 Includes races other than white and black.

4 Nebraska and Texas do not report this condition.

5 Wisconsin does not report this condition.

6 New York City does not report this condition.

Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of Live Birth; see "Technical Notes" of "Births: Final Data for 2004."

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U-6. Live births by 5-minute Apgar score, by race of mother: Total of 48 States and the District of Columbia, 2004

Race of mother	Total	5-minute Apgar score											
		0	1	2	3	4	5	6	7	8	9	10	Not stated
All races ^{1,2}	3,185,916	1,741	6,404	3,254	3,540	4,914	8,975	19,394	51,225	256,912	2,636,686	176,437	16,434
White	2,456,960	1,104	3,784	2,031	2,377	3,411	6,356	13,918	38,502	200,239	2,027,066	146,285	11,887
Black	541,684	547	2,342	1,093	1,019	1,302	2,253	4,603	10,444	44,421	448,200	21,771	3,689

1 Includes races other than white and black.

2 Excludes data for California and Texas, which did not report 5-minute Apgar score on the birth certificate.

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."

Table U -7. Live births to mothers with selected obstetric procedures and rates: United States, 41 states
New York City and the District of Columbia, 2004

[Rates are number of live births with specified obstetric procedure* per 1,000 live births in specified group]

Medical risk factor and race of mother	All births 1	Procedure reported	Rate	Not stated 2
All races				
Amniocentesis 3	3,307,576	48,806	14.9	21,795
Electronic fetal monitoring 3	3,307,576	2,807,236	854.4	21,795
Stimulation of labor	3,307,576	537,564	163.6	21,795
Ultrasound 3	3,307,576	2,208,687	672.2	21,795

* for information on obstetric procedures induction of labor and tocolysis, see Births: "Final Data for 2004," table 25

1 Total number of births to residents of areas reporting specified obstetric procedure.

2 No response reported.

3 Excludes data for Florida, Idaho, Kentucky, New Hampshire, New York (excluding New York City), Pennsylvania, South Carolina, Tennessee, and Washington which had implemented the 2003 Revision to the U.S. Standard Certificate of

NOTES: Race and Hispanic origin are reported separately on birth certificates. Race categories are consistent with the 1977 Office of Management and Budget standards. Fifteen States reported multiple race data for 2004.

The multiple race data for these States were bridged to the single race categories of the 1977 Office of Management and Budget standards for comparability with other States. In this table all women (including Hispanic women) are classified only according to their race; see "Technical Notes" of "Births: Final Data for 2004."