## Appendix A Detailed Tables

56 Abt Associates Inc.

Table A-1—Hardware and software used to maintain client information in FSP and WIC information systems

		Food Stamp Information Systems	mation Systems			WIC Informa	WIC Information Systems	
	Client data maintained by	Hardware	File Structure	Software	Client data maintained by	Hardware	File Structure	Software
Alabama Arizona California 1	State State Both Contractor State State	Mainframe Mainframe Mainframe Mainframe Mainframe Mainframe	Relational Relational Flat file Relational VSAM Hierarchical	DB2, Legacy Legacy, Other Other Other Legacy Legacy, IMS	State Contractor State - State State	PC server UNIX system Mainframe Mainframe Mainframe	Relational Relational Relational Relational Flat file	Oracle, Other Oracle DB2 Legacy, Other DB2, Other
Florida Georgia Illinois Illinois Flowa Kentucky	State State State State State	Mainframe Mainframe Mainframe Mainframe	Hierarchical Relational VSAM Flat file Hierarchical	IMS DB/DC DB2, IMS DB/DC Legacy,IMS DB/DC Other IMS DB/DC	State Contractor Both State Contractor	Mainframe Mainframe Midrange Mainframe PC server	Relational Flat file Relational Relational Flat file	DB2 Other DB2, Other Legacy Legacy
Maine Massachusetts Michigan Minnesota Nebraska	State State State State State	Mainframe UNIX system Mainframe Mainframe	Indexed Seq. Relational Indexed Seq. Semi-relat. Relational	Legacy, Other Oracle, Other Legacy Adabas DB2	State State State Contractor State	UNIX system Mainframe Mainframe Midrange UNIX system	Relational Relational Hierarchical Flat file Relational	Oracle Adabas Legacy Legacy Oracle
New Jersey New York North Carolina Ohio	State State State Both State	Mainframe Mainframe Mainframe Mainframe	Hierarchical Other Relational Hierarchical	Legacy Legacy DB2, Legacy Legacy IMS DB/DC	Contractor Both State State State	Midrange UNIX system Mainframe Mainframe	Relational Relational Relational Hierarchical Relational	Oracle, Other Sybase DB2, Legacy Legacy Legacy
Pennsylvania South Carolina South Carolina Tennessee Texas Virginia Washington See Washington See See See See See See See See See Se	Contractor State State State Both Both	Mainframe Mainframe Mainframe Mainframe Mainframe	Hierarchical Relational Hierarchical Hierarchical Other	Other Adabas, Legacy IMS DB/DC Legacy, Other Legacy, Other Other	State Both Contractor State State Both	Mainframe Mainframe Midrange Mainframe PC server	Flat file Flat file Relational Relational Hierarchical Relational	Legacy Other DBMS DB2 Legacy Adabas Sybase

Not applicable
 California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.

Table A-2—FSP and WIC local office connections to the central State client database

	Food Si	Food Stamp Information Systems	Systems ה			WIC	WIC Information Systems	ystems		
	T. see a	Percent of offices	Percent of o	Percent of offices by frequency of file submission	uency of file	Toronto	Percent of offices	Percent of c	Percent of offices by frequency of file submission	nency of file
	l ype of connections	using file submission	Nightly	Weekly	Less then weekly	Type of confidence	using file submission	Nightly	Weekly	Less then weekly
Alahama	Wide-gree network	I				Wide area notwork	ı			
Ţ	Wide-area network	1				File submission	100.0	100	0	0
Connecticut	Wide-area network Wide-area network	1 1 1				File submission	100.0	100	4 0	40
Florida Georgia	Wide-area network Wide-area network	1 1 5	,	•	(	Wide-area network File submission	1 1	100	0	0
Illinois Iowa Kentucky	File submission Wide-area network Wide-area network	0.00	001	0	0	Wide-area network File submission Wide-area network	100.0	20	40	10
Maine	Wide-area network Wide-area network	1 1				Wide-area network File submission Wide area network	100.0	32	45	23
Minnesota Nebraska	Wide-area network Wide-area network Wide-area network	1 1 1				Wide-area network Wide-area network	100.0	30	65	ιC
New Jersey New York North Carolina Ohio	Wide-area network Wide-area network Other Other <sup>3</sup> File submission <sup>4</sup>	1 1 1 1 100.0	100	0	0	File submission Wide-area network WAN, Internet, file submission Wide-area network File submission	100.0 - 5.0 100.0 100.0	0 000	0 000	0 000
Pennsylvania	Wide-area network Wide-area network Wide-area network Wide-area network Wide-area network Wide-area network	11111				Wide-area network File submission File submission File submission Wide-area network WAN, Internet, other <sup>5</sup>	100.0 100.0 100.0 1	0 100 85	0 0 0	100 0 5

Not applicable
 California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 Through dial-up replication.
 Certification of a focunty offices.
 IMS- system-generated file submissions.
 Sybase replication via internet connection (VPN, modem).

Source: Survey of Food Assistance Information Systems, 2002. Survey was completed by program administrators in 26 States.

Table A-3—FSP and WIC system upgrades planned for the next two years, by State

	Food Stamp Information Systems	nation Systems	WIC Information Systems	on Systems	
	Hardware	Software	Hardware	Software	
o do la	<u>.</u>	Ç.	) }	>>	
Alaballia	0 :	2:	SD :	200	
Arizona	S N	No No	S N	No	
California <sup>1</sup>	No	No No	Yes	S <sub>N</sub>	
California (LEADER) <sup>2</sup>	No	Yes	na	na	
Colorado	Yes	Yes	No	Yes	
Connecticut	No	No ON	No	oN N	
<u> </u>	C Z	2	> >	> >	
or control of the con	2 2	\$ X	30 >	30 >	
Illipoie	000	20 >	50->	50 >	
	S - 4	SD - A	32.	SD- X	
lowa	ON	0	Yes	res	
Kentucky	S <sub>O</sub>	oN N	No	Yes	
oie oie	>	>	<u>Q</u>	>	
	20.7	20.7	2 >	200	
Massachusetts	Yes	Yes	Yes	Yes	
Michigan	No	ON No	Yes	Yes	
Minnesota	o Z	oN N	oN N	<u></u>	
Nebraska	οN	oN N	o <sub>N</sub>	o Z	
New Jersev	02	o Z	Yes	Yes	
New York	S	ON	Vps	Yas	
North Carolina	) <u>C</u>	) C	SB/	Ze/	
Ohio	°N	Yes	o <sub>Z</sub>	Yes	
Oklahoma	Yes	No	ON	Yes	
Pennsylvania	No	Yes	Yes	Yes	
South Carolina	ON	Š	Yes	Yes	
Tennessee	o <sub>N</sub>	o <sub>N</sub>	<b>8</b>	8	
Texas	Yes	Yes	Yes	Yes	
Virginia	Yes	No	Yes	Yes	
Washington	Yes	Yes	Yes	Yes	

Survey of Food Assistance Information Systems, 2002. Completed by program administrators in 26 States: Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Illinois, Ilwa, Illinois, Illino Source:

<sup>1</sup> ISAWS = Interim Statewide Automated Welfare System, operating in 35 California counties.
2 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.
na Not applicable.

Table A-4—Record archival, retention and enrollment histories in FSP and WIC information systems

		Food	Food Stamp Information Systems	mation Sys	tems			M	WIC Information Systems	ion System	S	
		Record archival		Record retention	etention			Record archival		Record	Record retention	
	Client records taken offline?	Trigger for archival	Months inactive	Inactive case records are retained for (months)	Past monthly caseloads can be calculated for (months)	Availability of client enrollment history	Client records taken offline?	Trigger for archival	Months	Inactive case records are retained for (months)	Past monthly caseloads can be calculated for (months)	Availability of client enrollment history
Alabama Arizona California (LEADER) <sup>2</sup> Colorado Connecticut	No Yes Yes Yes	# months inactive Certif. start date # months inactive # months inactive # months inactive	1	36 182 90 10 146	0 60 90 10 0	By programming By programming Current record By programming By programming By programming	Y 68 No No Y 68 Y 68 Y 68	# months inactive Certif. start date Certif. end date # months inactive	24 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	120 65 60 73 74	24 65 60 1 0	Current record History file Current record — Current record By programming
Florida Georgia Georgia Illinois lowa Kentucky	No N	# months inactive # months inactive	24   1   24	117 29 60 205 105	21 29 0 0 105	Current record Current record By programming History file Current record	Yes Yes No Yes	# months inactive Cerif. end date Other	30	30 45 127 66 72	30 0 127 0	By programming Current record Current record By programming History file
Maine Massachusetts Michigan Minnesota Mebraska	N N N N N N N N N N N N N N N N N N N	- - months inactive -	1 18 1 1	60 185 55 137 68	0 185 0 137 68	By programming Current record History file Current record Current record	No No Yes Yes	Certif. end date Certif. end date # months inactive	1 1 1 1 8	36 37 49 145 52	28 0 0 52 53	Current record By programming History file History file History file
New Jersey New York North Carolina Ohio	Yes No No Yes	# months inactive	98       98	60 236 217 125 163	60 24 157 125 36	History file By programming By programming Current record Current record	Yes No Yes No	# months inactive Other # months inactive	9 1 1 7 1	181 32 120 60 18	181 8 8 8 4 81	By programming Current record By programming By programming History file
Pennsylvania	Y Yes No Yes Yes	# months inactive or certif. end date # months inactive # months inactive # months inactive # months inactive	84 88 - 1 1 2 1 5 6 0 9 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	181 36 101 12 88 70	48 37 101 12 0 70	Current record Current record Current record Current record Current record	K N N N N N N N N N N N N N N N N N N N	# months inactive Other	4	86 84 80 30 30	4 4 4 35 35 35 30 30 30 30 30 30 30 30 30 30 30 30 30	History file Current record By programming History file By programming By programming

Source: Survey of Food Assistance Information Systems, 2002. Completed by program administrators in 26 States: Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Illinois, Illi

Not applicable
 California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.

Table A-5—Overwriting and retention policies in FSP and WIC client databases

	Food Stamp Info	Information Systems	WIC Information Systems	tion Systems
		Disposition of old data when identifying information is updated	entifying information is updated	
	Retain old data in separate data field	Overwrite old data	Retain old data in separate data field	Overwrite old data
Alabama	Name, Address, Date of birth, SSN  Name, Address, Phone, Date of birth, SSN  Name, Address, Phone, Date of birth, SSN	Name, Address, Phone, Date of birth, SSN Phone Name, Address, Phone, Date of birth, SSN - Name, Address, Date of birth	Name Name, Date of birth, SSN	Name, Address, Phone, Date of birth, SSN Address, Phone, Date of birth Address, Phone  Name, Address, Phone, Date of birth Name, Address, Phone, Date of birth
Florida Georgia Georgia Illinois Iowa Kentucky	Name, Address, Phone, SSN Name, Address, Phone, Date of birth, SSN - Name, Address, Date of birth, SSN	Date of birth  Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth, SSN Phone	- - - - Name, Address, Phone, Date of birth, SSN	Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth Name, Address, Phone, Date of birth
Maine Massachusetts Michigan Minnesota Nebraska	Name, Address, Phone, Date of birth, SSN Name Name, Address, Phone, SSN Name, Address	Name, Address, Phone, Date of birth, SSN Address, Date of birth, SSN Date of birth Phone, Date of birth, SSN	Name, Address, Phone, Date of birth, SSN	Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth ————————————————————————————————————
New Jersey New York North Carolina Ohio Oklahoma	- - Name, Address, Date of birth, SSN Address, Phone	Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth, SSN Name, Address, Date of birth, SSN Phone Name, Date of birth, SSN	Name, Phone, Date of birth, SSN Name, Address, Phone, Date of birth, SSN -	Name, Address, Phone, Date of birth Address - Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth, SSN
Pennsylvania	Name, Address, Phone, Date of birth, SSN Address Name, Address, Phone, Date of birth, SSN Name, Address Name, Address	Name, Phone, Date of birth, SSN Name, Address, Phone, Date of birth, SSN Phone, Date of birth, SSN	Date of birth, SSN	Name, Address, Phone Name, Address, Phone, Date of birth, SSN Name, Address, Phone, Date of birth

Not applicable
 California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.

Table A-6—Primary identifiers for FSP and WIC cases

		Food Stamp Information Systems			WIC Information Systems	
		Search for past records at certifcation	tion		Search for past records at certifcation	tion
	Primary identifier <sup>1</sup>	Information used to search for current or past record	Time period searched for past participation	Primary identifier <sup>1</sup>	Information used to search for current or past record	Time period searched for past participation
Alabama	Program ID Shared ID Shared ID Shared ID SSN Program ID	Name, SSN, program ID Name, SSN, program ID, date of birth, other Name, SSN, program ID, date of birth Name, SSN, program ID, date of birth Name, SSN Name, SSN Name, SSN	All data All data All data All data 4 months All data	Other Program ID Program ID - Program ID	Name, SSN, date of birth, other Name, date of birth, other Name, SSN, program ID, date of birth, other Name, program ID, date of birth Name, date of birth	All data All data All data - 18 months All data
Florida Georgia Georgia Illinois Iowa Kentucky	Shared ID Shared ID Shared ID Shared ID Shared ID	Name, SSN Name, SSN, date of birth Name, SSN, program ID, date of birth Name, SSN, date of birth Name, SSN, program ID, date of birth	All data All data All data All data All data	Program ID Program ID Shared ID SSN SSN	SSN, program ID Name, SSN, program ID, date of birth, other Name, SSN, date of birth, other Name, SSN Name, SSN	All data All data All data All data 18 months
Maine Massachusetts Michigan Minnesota Nebraska	Shared ID Program ID Shared ID Shared ID Shared ID	Name, SSN, program ID, date of birth Name, SSN, date of birth Name, SSN, program ID, date of birth Name, SSN, program ID, date of birth, other Name, SSN, program ID, date of birth, other Name, SSN, program ID, date of birth, other	All data All data All data All data All data	Program ID Program ID Program ID Program ID	Name, SSN, program ID, other Name, date of birth, other Name, program ID, date of birth Name, program ID Name, program ID	All data All data All data All data All data
New Jersey New York North Carolina Ohio Oklahoma	Other Shared ID Shared ID Shared ID SSN or Shared ID	Name, SSN, program ID Name, SSN, program ID, date of birth Name, SSN, program ID Name, SSN, program ID, date of birth Name, SSN, date of birth	All data All data All data All data All data	Program ID Program ID Program ID Program ID	Name, program ID, date of birth Name, SSN, date of birth Name, SSN, program ID, date of birth Name, program ID	All data All data - All data 4 months
Pennsylvania	Shared ID Program ID Program ID Program ID Shared ID Program ID	Name, SSN, program ID, date of birth, other Name, SSN, program ID Name, SSN, date of birth Name, SSN, program ID Name, SSN, program ID, date of birth, other Name, SSN, program ID, date of birth, other	All data All data All data All data All data All data	SSN Program ID Shared ID Program ID Program ID	Name, SSN, program ID, date of birth Name, SSN, program ID, other Name, SSN, program ID, date of birth Name, program ID, date of birth Name, program ID, date of birth	4 months  - All data All data All data

Not specified.
 Not applicable
 Program ID is unique to the FSP or WIC program; shared ID is shared with other public assistance programs such as TANF or Medicaid.
 Program ID is unique to the FSP or WIC program; shared ID is shared with other public assistance programs such as TANF or Medicaid.
 California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.

Table A-7—Personal identifying information maintained in FSP and WIC information systems

	First	Last	NSS	Date of birth	Address	Mailing address	Phone	County	Gender	Race/ ethnicity	Primary langua- ge	Date of first certifica- tio	Start & end dates of each cert.	Monthly indicators of particip	Food Stamp case	WIC Only TANF case number	Medica- id case number
Alabama Food Stamp Program													2		D C C C C C C C C C C C C C C C C C C C		
Household head	77	77	77	77	7	7	o	7	77	77	11	7	7	7			
Women	77	77	00	77	77	77	00	"	"	"	1 1	77	00	11	1 1	1.1	00
Arizona Food Stamp Program Household head	77	77	77	77	77	00	00	77	77	77	77	77	77	77			
Worden	77	77	11	77	77	77	00	77	77	77	"	"	77	11	11	11	11
California <sup>1</sup> Food Stamp Program Household head	77	77	7 🗆	77	<b>-</b>	7	<b>-</b>	77	00	77	7	77	77	77			
WIC Program Women	77	77	00	77	77	00	00	1.1	□ <b>/</b>	77	00	77	77	77	1.1	1.1	00
California (LEADER) <sup>2</sup> Food Stamp Program Household head	77	77	٥٥	77	77	77	00	1.1	77	77	70	77	77	77			
Colorado Food Stamp Program Household head	77	77	77	77	1.1	7	1.1	7	77	77	1.1	7	7	7			
Word Program Women Infant/child	77	77	1 1	77	00	77	77	77	77	77	77	77	77	77	1.1	11	00

California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.
 ✓ Indicates data field is required to be filled; □Indicates data field is available but not required to be filled; □Indicates data field is not available.

Source: Survey of Food Assistance Information Systems, 2002. Completed by program administrators in 26 States: Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Illinois, Iowa, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington.

Table A-7—Personal identifying information maintained in FSP and WIC information systems — Continued

													~×	Monthly		WIC Only	
	First name	Last name	SSN	Date of birth	Address	Mailing address	Phone	County	Gender	Race/ ethnicity	Primary langua- ge	Date of first certifica- tio	end dates of each cert.		Food Stamp case number	TANF case number	Medica- id case number
Connecticut Food Stamp Program Household head	00	77	٥٥	77	7 🗆	٥٥	00	1 1	77	77	ום		00	٥٥			
WIC Program Women Infant/child	77	77	00	77	77	00	77	11	77	77	77	77	11	00	1.1	1.1	00
Florida Food Stamp Program Household head	77	77	77	77	7	ם ן	<b>o</b>	7	77	77	7	ם	<b>-</b>	ם			
Women	77	77	77	77	77	00	00	77	77	77	1 1	77	77	1 1	00	00	00
Georgia Food Stamp Program Household head	77	77	77	77	7	7	7	7	77	77	7	77	77	77			
Women	77	77	00	77	77	1 1	00	77	77	"	00	00	00	1 1	1 1	1.1	00
Illinois Food Stamp Program Household head	77	77	77	77	7	7	١٥	١٥	77	77	77	1.1	77	77			
WIC Program Women	77	77	00	77	77	00	00	77	77	77	00	77	77	77	1.1	1.1	00
Food Stamp Program Household head	77	77	77	77	00	77	00	00	00	00	1.1	77	00	1.1			
Women	77	77	77	77	77	11	00	77	77	77	77	11	77	"	11	11	00
Kentucky Food Stamp Program Household head	77	77	77	77	7	ם	0	7	77	77	77	77	77	77			

✓ Indicates data field is required to be filled; □indicates data field is available but not required to be filled; — indicates data field is not available.

Table A-7—Personal identifying information maintained in FSP and WIC information systems — Continued

													~×	Monthly		WIC Only	
	First name	Last name	SSN	Date of birth	Address	Mailing address	Phone	County	Gender	Race/ ethnicity	Primary langua- ge	first certifica-tio	dates of each cert.	indicato- rs of particip- ation	Food Stamp case number	TANF case number	Medica- id case number
Kentucky WIC Program Women Infant/child	77	77	77	77	77	77	77	77	77	77	1 1	77	77	77	1.1	1.1	1.1
Maine Food Stamp Program Household head	77	77	00	77	11	7	<b>-</b>	7	70	77	70	11	11	1.1			
Women	77	77	00	77	77	11	00	"	"	77		77	77	77	1 1	1 1	1 1
Massachusetts Food Stamp Program Household head	٥٥	77	٥٥	77	77	77	00	1.1	77	77	77	77	77	77			
WIC Frogram Women	77	77	11	77	77	77	00	1.1	"	77	77	77	11	11	11	11	11
Michigan Food Stamp Program Household head	77	77	77	77	77	<b>0</b>	11	77	77	77	11	7	7	7			
Women	77	"	00	77	77	00	00	11	77	77	1.1	77	77	1.1	00	00	00
Minnesota Food Stamp Program Household head	77	77	00	77	7	<b>-</b>	<b>-</b>	7	77	7 🗆	7 🗆	00	00	1.1			
Wic Frogram Women	77	77	1 1	77	77	00	77	77	77	77	77	77	77	77	1 1	1.1	1 1
Nebraska Food Stamp Program Household head	77	77	00	77	7 🗆	00	00	70	77	77	00	77	77	77			
Women	77	77	00	77	1 1	77	00	77	77	77	00	77	77	77	1.1	1.1	1.1

✓ Indicates data field is required to be filled; □indicates data field is available but not required to be filled; — indicates data field is not available.

Table A-7—Personal identifying information maintained in FSP and WIC information systems — Continued

													Start &	Monthly	_	WIC Only	
	First name	Last	SSN	Date of birth	Address	Mailing address	Phone	County	Gender	Race/ ethnicity	Primary langua- ge	Date of first certifica-tio	end dates of each cert. period	indicato- rs of particip- ation	Food Stamp case number	TANF case number	Medica- id case number
New Jersey Food Stamp Program Household head	77	77	77	77	١٥	ا ت	١٥	7	٥٥	77	ا ت	11	11	ات			
WIC Program Women	77	"	1.1	77	77	77	77	77	77	77	77	1.1	00	1.1	1.1	1.1	1 1
New York Food Stamp Program Household head	77	77	00	77	77	00	77	77	77	00	1.1	1.1	77	1.1			
Women	77	77	00	77	00	00	00	00	77	"	٥٥	77	"	00	77	77	77
North Carolina Food Stamp Program Household head	77	77	0 0	77	1.1	77	1.1	77	77	77	1.1	1.1	77	1.1			
WIC Program Women	77	77	77	77	77	77	77	77	77	77	1 1	77	77	77	00	00	00
Ohio Food Stamp Program Household head	77	77	77	77	77	77	00	77	77	00	77	77	77	77			
Women	77	77	00	77	00	11	77	11	77	77	77	11	1.1	11	11	1.1	11
Oklahoma Food Stamp Program Household head	77	77	٥٥	77	77	٥٥	00	77	77	77	٥٥	77	77	77			
WIC Program Women	77	77	00	77	77	1 1	77	1 1	77	77	77	77	77	77	1 1	1 1	77
Pennsylvania Food Stamp Program Household head	77	77	77	77	7	7	<b>0</b>	7	77	77	7	11	77	11			

✓ Indicates data field is required to be filled; Dindicates data field is available but not required to be filled; — indicates data field is not available.

Table A-7—Personal identifying information maintained in FSP and WIC information systems — Continued

												-	~×	Monthly		WIC Only	
	First name	Last name	SSN	Date of birth	Address	Mailing address	Phone	County	Gender	Race/ ethnicity	Primary langua- ge	Date of first certifica-tio	end idates of each cert.	indicato- rs of particip- ation	Food Stamp case number	TANF case number	Medica- id case number
Pennsylvania WIC Program Women	77	77	00	22	77	1.1	00	77	77	77	1.1	77	77	1.1	1.1	1 1	
South Carolina Food Stamp Program Household head	77	77	00	77	7	<b>0</b>	<b>o</b>	7	77	77	11	77	77	77			
Women	77	77	00	77	7 🗆	00	00	00	00	77	1 1	77	1 1	1 1	1 1	00	11
Tennessee Food Stamp Program Household head	77	77	7 🗆	77	77	١٥	<b>-</b>	77	77	77	1.1	77	77	1.1			
Wild Frogram Women	77	77	77	77	77	77	00	77	77	77	77	77	1 1	77	1 1	1 1	1 1
Food Stamp Program Household head	77	77	77	77	<b>-</b>	7	<b>-</b>	7	77	77	1.1	1.1	1.1	1.1			
WIC Frogram Women	77	77	00	77	1.1	77	00	77	77	77	77	77	77	11	11	11	00
Virginia Food Stamp Program Household head	77	77	77	77	7 🗆	7 🗆	77	77	77	77	77	77	00	77			
Wing Frogram Women	77	77	00	77	77	00	00	00	77	77	1 1	77	77	1 1	1 1	1 1	11
Washington Food Stamp Program Household head	77	77	00	77	70	7	<b>o</b>	7	77	77	7	77	77	1.1			
Women	77	77	1.1	77	00	00	00	00	00	77	1.1	00	00	00	1 1	1 1	1 1

✓ Indicates data field is required to be filled; □indicates data field is available but not required to be filled; — indicates data field is not available.

Table A-8—Assignment and use of family IDs by WIC programs

			Ĕ	Family ID is used for:	£		Fa	mily ID provides a	Family ID provides a reliable link between:	::
	Program assigns family ID	Coordinate appointment scheduling for multiple family members	Coordinate voucher issuance for multiple family members	Coordinate certification for multiple family members	Report number of families participating in WIC	Other	All currently participating family members	Some currently participating family members	All family members who ever participated	Not a reliable link between family members
Alabama	Š	ı	1	ı	ı	ı	,	,		,
:		Yes	Yes	oN >	Yes	oN S	1		7;	
Colorado	, ses , ses	s Se X	Xes ≺es	<u>s</u> 2	<u>8</u> 2	<u>s</u> 2		. >	٠ ٠	
'n		Yes	Yes	N <sub>O</sub>	Yes	Yes	,			
Florida		Yes	Yes	Yes	<sup>o</sup> Z	N <sub>O</sub>	,	7		
щ		Yes	Yes	Yes	8	Ž	>			
Illinois	Yes	Yes	Yes	Yes	9	8			>	
lowa		ı	ı	ı	ı	ı				
Kentucky		I	I	I	ı	I	•	•		
Maine	<u>8</u>	ı	I	I	ı	I	,	•		
setts		Yes	Yes	Yes	Yes	2	>			
Michigan		Yes	Yes	Yes	8	2		7		•
щ		Yes	Yes	8	8	2	•		>	
Nebraska		Yes	Yes	Yes	Yes	S S	•	•	7	
New Jersey		Yes	Yes	Yes	Š	N <sub>o</sub>	,		7	
•		Yes	Yes	8	2	Š	7	•	•	•
North Carolina		ı	ı	ı	ı	1				
Ohio		Yes	Yes	Yes	Yes	2				>
Oklahoma	Yes	Yes	Yes	o N	No	o N	ı	7		
Pennsylvania		Yes	No	o N	N <sub>o</sub>	o N	ı	ı		7
South Carolina		Yes	Yes	Yes	Yes	8			>	
Tennessee		ı	ı	ı	ı	ı				•
Texas	Yes	Yes	Yes	Yes	8	2			>	•
Virginia		8	Yes	2	Yes	2	•	•	>	•
Washington		Yes	Yes	Yes	8	Yes			>	•

Not applicable

Table A-9—Data verification and standardization in FSP and WIC information systems

		Food Stamp Information Systems	n Systems			WIC Information Systems	
		SSN verification	Data standardization	tion	SSN verification	Data standardization	tion
	Verified	Method	Standardized address fields	Validated phone fields	Verified	Standardized address fields	Validated phone fields
Alabama Arizona California (LEADER) <sup>3</sup> Colorado Connecticut	Y es	SVES interface Other  - Batch search Batch search	- - - County Street, city, ZIP	Area code	Yes N N N N N N N N N N N N N N N N N N N	County City, county, ZIP Street, city, ZIP City, ZIP	Area code
Florida Georgia Georgia Illinois Iowa Kentucky	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	SVES interface, batch search Batch search Computer lookup, SVES interface, other SVES interface, batch search, other Batch search	City, ZIP Street, city, county, ZIP Street, city, county, ZIP Street, city, ZIP	Area code, exchange	0 0 0 0 0 Z Z Z Z Z	Street, city, county, ZIP County County, ZIP	11 111
Maine Massachusetts Michigan Minnesota	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Batch search Computer lookup, SVES interface, batch search SVES interface SVES interface, batch search SVES interface	County Street, city, ZIP Street, city, county, ZIP Street, city, ZIP City, county, ZIP City, county, ZIP	11 111	00 000 22 222	City City, ZIP Street, city, ZIP County City, county	Area code Area code
New Jersey New York North Carolina Ohio Oklahoma	Y	SVES interface Batch SVES interface Computer lookup, batch search Computer lookup, SVES interface, batch search	County County City, county, ZIP Street, city, county, ZIP County, ZIP	1111	0 0 0 0 0 Z Z Z Z Z	Street, city, county, ZIP	1111
Pennsylvania	Y es	Computer lookup, SVES interface, batch search, other Batch search, other SVES interface File exchange with SSA Computer lookup, batch search, other	City, ZIP – County County, ZIP Street, city, county, ZIP	Area code	° °°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	City, county, ZIP City, county, ZIP ZIP City, county	Area code

Not applicable
 SSN is verified with on-line edit checks.
 California record corresponds to the Food Stamp Program Interim Statewide Automated Welfare System (ISAWS), operating in 35 California counties; and the California WIC Program.
 LEADER = Los Angeles Eligibility, Automated Determination Evaluation and Reporting. This system operates in Los Angeles county only.

Table A-10—Characteristics of school systems, and prevalence of POS and electronic claims systems

	Number	of regular public s	Number of regular public schools, districts, students <sup>1</sup>	ndents <sup>1</sup>			Survey	Survey responses		
						Point-of-sak	Point-of-sale systems <sup>2</sup>		Meal claims s	Meal claims submission to State
	Districts	Schools	Students	refrent free and reduced lunch	Districts	ricts	Schools	sloc	L	
				eligible	Number	Percent	Number	Percent	Electronic	Electronic metnod
Alabama	128	1,337	737,871	46.0	124	6.96	1,200	89.8	No	ı
:	410	1,556	860,142		92	22.4	. •		<sub>S</sub>	ı
California	985	7,544	5,933,508	46.6					2	ı
ColoradoConnecticut	176 166	1,503 987	715,089 541,941	26.9	. 09	36.1	300	30.4	<u> </u>	1 1
	0	Ö							,	14/-1- f
Florida	/9	2,931	2,398,299	£.44.0		. 0			Yes	web form
๙	081	719,1	1,43/,/12	43.2	150	83.3			Yes	web & file transfer
:	924	0,010	2,007,910	7 30					0 K	- Wob form
Kentucky	3/4 176	1,300	469,139 662,521	47.6	125	71.0	1,000	. 76.9	Yes	File transfer
•										
Maine	282	684	207,037	28.9					Yes	Web form
Massachusetts	349	1,817	935,169	24.3					S <sub>0</sub>	1
Michigan	734	3,589	1,725,904	29.6	- ;	- !			Yes	Web form
Minnesota	415	1,608	827,855	25.6	265	63.8	. !	. ;	Yes	Web & file transfer
Nebraska	576	1,240	284,482	30.4	150	26.0	400	32.2	Yes	Web form
New Jersey	604	2,249	1,264,670	27.2	200	33.1			No	ı
•	203	4,157	2,813,015	42.9	92	9.5	300	7.2	Yes	Web & file transfer
North Carolina	120	2,109	1,284,583	36.4	100	83.3	1,700	9.08	Yes	Web form
Ohio	662	3,696	1,774,492	26.3					Yes	Web & file transfer
Oklahoma	544	1,811	623,110	48.2	543	8.66	1,831	101.1	Yes	Web form
Pennsylvania	501	3,143	1,783,468	28.1	200	39.9			Yes	Web form
South Carolina	06	1,044	674,701	47.1					No	ı
Tennessee	138	1,547	905,750		128	92.8	1,035	6.99	Yes	Web form
Texas	1,040	9;99	4,010,904	6.74	. '	- !		-	Yes	Web form
Virginia	135	1,777	1,135,756	28.0	20	37.0	1,200	67.5	Yes	File transfer
Washington	296	1,819	970,608				•		Yes	Web form

Data not available.
 Not applicable
 Not applicable
 Data for number schools, number students, and percent of students receiving free and reduced-price lunch are from the U.S. Department of Education Common Core Data (SY2000-01).
 Numbers of districts and schools with POS systems are estimates provided by State CNP directors

Table A-11—Characteristics of School Food Authorities (SFAs) responding to the survey of information systems

		District characteristics		School me.	School meal computer systems	S	
	Number schools <sup>1</sup>	Number students <sup>1</sup>	Percent free and reduced lunch1	Software system	Schools networked	SFA operates POS	Percent of schools with POS
Alabama Andalusia City Public Schools Demopolis City Public Schools Geneva County Public Schools	w <b>4</b> w	1,768 2,301 1,356	41.0% 55.0 45.0	B.O.S.S. (Back Office Software Solutions) PCS Revenue Control Systems Kyrus (Formerly Accu Series)	None All None	Yes Yes Yes	67.0 100.0 100.0
Arizona Mesa Unified School District Murphy Elementary District Washington Elementary District	86 4 4	73,587 24,723 2,506	ם מ ם ם	Snap Systems Snap Systems	≡ A A ⊟	Y es Y es	87.0 100.0 -
California Sacramento City Unified SD Los Angeles Unified SD	77 659 116	52,734 721,346 59,979	61.0 73.0 54.0	Schoolhouse (Ca/Trac) CAFS (Computer Assisted Food Service)	All None	,	44.0
Colorado Cherry Creek Public Schools Denver Public Schools	49 129 161	42,320 70,847 87,703	9.0 60.0 14.0	PCS Revenue Control Systems CAFS (Computer Assisted Food Service) B.O.S.S. (Back Office Software Solutions)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	98.0 100.0 84.0
Connecticut Coventry Public Schools New Britain Public Schools South Windsor Public Schools	ιν Φ α	2,074 10,295 5,057	ם ם ם	Microcheck0s MCM Snap Systems PCS Revenue Control Systems	None All All	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	80.0 6.0 88.0
Florida Collier County Public Schools Putnam County Public Schools Palm Beach County Public Schools	50 20 177	34,203 12,624 153,871	32.0 61.0 40.0	B.O.S.S. and PCS MAPS Software, LunchByte Systems Snap Systems	All None All	Yes Yes	66.0 80.0 85.0
Georgia Cobb County Schools DeKalb County Schools Gwinnett County Schools	123 94 85	95,958 95,781 110,075	55.0 20.0 21.0	Snap Systems Horizons: V Boss, Fast Lane –	All None	,	100.0 100.0 1
Illinois Bloomington School District Rock Island School District Springfield School District	9 36 36	5,731 6,745 15,387	в в в в с	Snap Systems Snap Systems Other	= = = V	Yes Yes No	89.0 83.0
Iowa  Davenport Community Schools  Des Moines Public Schools Iowa City Community Schools	34 21	16,874 32,435 10,481	39.0 45.0 19.0	Snap Systems CAFS (Computer Assisted Food Service)	∃ B ∃	Yes Yes No	29.0 42.0 -

na Data not available.

- Survey not received.

1 Data for number schools, number students, and percent of students receiving free and reduced-price lunch are from the U.S. Department of Education Common Core Data (SY2000-01).

Table A-11—Characteristics of School Food Authorities (SFAs) responding to the survey of information systems — Continued

		District characteristics		School me	School meal computer systems		
	Number schools1	Number students <sup>1</sup>	Percent free and reduced lunch <sup>1</sup>	Software system	Schools networked	SFA operates POS	Percent of schools with POS
Kentucky Taylor County Public Schools Hardin County Public Schools Fayette County Public Schools	4 4 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2,569 13,171 33,130	35.0 43.0 36.0	Cafeteria Suite (Horizon) B.O.S.S. (Back Office Software Solutions) Lunchbox (Kyrus Corp.)	Some All None	Yes Yes Yes	75.0 92.0 80.0
Maine Augusta School System Gorham School Department Lewiston School System	ထယက	2,652 2,619 4,475	37.0 13.0 41.0	PCS Revenue Control Systems PCS Revenue Control Systems	≡e H	× × × × × × × × × × × × × × × × × × ×	100.0 83.0 -
Massachusetts Boston Public School Springfield Public School Worcester Public Schools	131 49 50	63,024 26,526 25,828	72.0 67.0 52.0	Snap Systems Snap Systems Other	Some Some None	Yes Yes Yes	24.0 8.0
Michigan Brighton Public Schools Grand Rapids Public Schools Lakeview Public Schools	6 8 9 6 8 9	7,025 25,625 2,714	4.0 65.0 7.0	Other –	Some	, es	100.0
Minnesota Bloomington Public Schools Rosemount Public Schools Inver Grove Heights Public Sch	15 37 8	10,833 28,330 4,047	20.0 9.0 15.0	PCS Revenue Control Systems PCS Revenue Control Systems PCS Revenue Control Systems		Y Y es	100.0 78.0 75.0
Nebraska Grand Island Public Schools Lincoln Public Schools	20 62 82	7,207 31,354 45,197	42.0 25.0 51.0	Bon Appetit Software Snap Systems In house programs	A A III None	× × × × × × × × × × × × × × × × × × ×	90.0 79.0 22.0
New Jersey Trenton Board of Education Elizabeth Board of Education Jersey City Board of Education	23 25 39	11,177 19,674 31,348	73.0 74.0 72.0	B.O.S.S. and Snap Other	Some All	××××××××××××××××××××××××××××××××××××××	4.0 100.0 -
New York Chappaqua Central SD Nyack Union School District Shenendehowa Central SD	<del>1</del> 70 70	8,999 3,869 2,917	10.0 1.0 21.0	PCS Revenue Control Systems Other Other	All None Some	Y	100.0 20.0 80.0
North Carolina Charlotte-Mecklenburg Public Sch Guilford County Public Schools Winston-Salem Forsyth Public Sch	135 98 67	103,336 63,417 44,769	35.0 39.0 36.0	PCS Revenue Control Systems CMS (Cafeteria Management System) Other	None Some None	Y es	95.0 97.0 100.0

<sup>-</sup> Survey not received.

1 Data for number schools, number students, and percent of students receiving free and reduced-price lunch are from the U.S. Department of Education Common Core Data (SY2000-01).

Table A-11—Characteristics of School Food Authorities (SFAs) responding to the survey of information systems — Continued

		District characteristics		School mes	School meal computer systems	.0	
	Number schools <sup>1</sup>	Number students <sup>1</sup>	Percent free and reduced lunch <sup>1</sup>	Software system	Schools networked	SFA operates POS	Percent of schools with POS
Ohio Dayton City Schools	45 125 11	23,522 75,684 6.668	74.0 80.0 36.0	Snap Systems Snap Systems -	None All	√ Yes Yes	29.0 9.0
Oklahoma Oklahoma City Public Schools Ponca City Public Schools	95 11 82	39,750 5,773 42,812	77.0 45.0 65.0	Kyrus (Formerly Accu Series) Snap Systems	All None All	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	12.0 100.0 100.0
Pennsylvania Derry Township School District Norwin School District	40 K	3,357 5,025 3,034	6.0 20.0 16.0	CAFS (Computer Assisted Food Service) Cafe Terminal (POS), KTRAC (NSMP), and in-house program	H A H	≺ es ≺ es	100.0 100.0
South Carolina Greenville County SD Laurens County School District Richland County School District	ω <b>-</b> σ	27,061 6,366 59,875	58.0 46.0 32.0	Bon Appetit Software Snap Systems B.O.S.S. and Lunchbox	None Some Some	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	92.0 100.0 94.0
Tennessee Jackson-Madison Cnty Schools Metro-Davidson Cnty Schools Memphis City Schools	24 125 164	13,640 67,669 113,730	na na	Lunchbox (Kyrus Corp.) In-house mainframe system CAFS (Computer Assisted Food Service)	None - All	Y es Y es Y es	100.0 1.0 100.0
Texas Brady ISD Plano ISD Birdville ISD	4 9 8 4 9 8	1,356 47,161 21,246	56.0 9.0 27.0	MAPS PCS Revenue Control Systems -	None All	Yes Yes	100.0 97.0 –
Virginia Fairfax County Public Schools Norfolk City Public Schools Prince William Cnty Public Sch	70 60 195	54,646 37,349 156,412	21.0 59.0 18.0	Snap Systems CAFS (Computer Assisted Food Service) Snap Systems	II II II V	Y es Y es Y es	100.0 88.0 92.0
Washington Seattle School District Spokane School District Kent School District	119 69 44	47,575 31,725 26,535	ла па па	PCS Revenue Control Systems Snap Systems Systems Design, Inc.	Some All All	Yes Yes Yes	74.0 67.0 91.0

na Data not available.

- Survey not received.

1 Data for number schools, number students, and percent of students receiving free and reduced-price lunch are from the U.S. Department of Education Common Core Data (SY2000-01).