Summary US infant deaths born 2005-2010

> ideath %>% filter(death == TRUE) %>% summary

date\_of\_delivery\_ym date\_of\_delivery\_y date\_of\_delivery\_m weekday\_of\_delivery method\_of\_delivery prolonged\_labor

Min. :1995-01-01 Min. :1995 Min. : 1.000 Sunday :51295 Vaginal (no previous C-section) :231066 No :298649

1st Qu.:1998-12-01 1st Qu.:1998 1st Qu.: 4.000 Monday :63951 C-section (previous C-section unknown): 1 Yes : 1721

Median :2002-12-01 Median :2002 Median : 7.000 Tuesday :67846 Primary C-section : 94102 NA's:138845

Mean :2002-11-18 Mean :2002 Mean : 6.546 Wednesday:67056 Repeat C-section : 29647

3rd Qu.:2006-11-01 3rd Qu.:2006 3rd Qu.: 9.000 Thursday :67624 Vaginal (previous C-section unknown) : 260

Max. :2010-12-01 Max. :2010 Max. :12.000 Friday :66641 Vaginal (previous C-section) : 8364

Saturday :54802 NA's : 75775

sex gestation\_at\_delivery\_w gestation\_at\_delivery\_c date\_of\_conception\_ym date\_of\_conception\_y birthweight\_g

Male :246400 Min. :17.00 Extremely preterm <28 :187049 Min. :1994-03-01 Min. :1994 Min. : 227

Female:192815 1st Qu.:23.00 Full term [39, 41) : 65117 1st Qu.:1998-08-01 1st Qu.:1998 1st Qu.: 539

Median :30.00 Moderate to late preterm [32, 37): 54764 Median :2002-10-01 Median :2002 Median :1247

Mean :30.19 Early term [37, 39) : 52407 Mean :2002-07-19 Mean :2002 Mean :1683

3rd Qu.:38.00 Very preterm [28, 32) : 31752 3rd Qu.:2006-07-01 3rd Qu.:2006 3rd Qu.:2863

Max. :47.00 (Other) : 18006 Max. :2010-08-01 Max. :2010 Max. :8165

NA's :30120 NA's : 30120 NA's :30120 NA's :30120 NA's :3857

birthweight\_c apgar5 plurality birth\_injury congenital\_anomalies anencephalus spina\_bifida hydrocephalus

Regular :137650 Min. : 0.0 Single :375711 No :275481 None :387931 No :418933 No :421673 No :290290

Extremely low:202688 1st Qu.: 1.0 Twin : 56254 Yes : 1216 Least severe: 4332 Yes : 4023 Yes : 1283 Yes : 2477

Very low : 27468 Median : 6.0 Triplet : 6215 NA's:162518 Less severe : 5338 NA's: 16259 NA's: 16259 NA's:146448

Low : 62733 Mean : 5.2 Quadruplet : 790 Severe : 41614

High : 4819 3rd Qu.: 9.0 Quintruplet or higher: 245

NA's : 3857 Max. :10.0

NA's :67075

microcephalus other\_central\_nervous\_system\_anomalies heart\_malformations other\_circulatory\_respiratory\_anomalies stenosis

No :292026 No :290742 No :282921 No :286883 No :292261

Yes : 741 Yes : 2025 Yes : 9846 Yes : 5884 Yes : 506

NA's:146448 NA's:146448 NA's:146448 NA's:146448 NA's:146448

tracheo\_esophageal\_fistula omphalocele other\_gastrointestinal\_anomalies malformed\_genitalia renal\_agensis other\_urogenital\_anomalies cleft\_lip

No :292095 No :420386 No :291347 No :290868 No :290835 No :290219 No :418156

Yes : 672 Yes : 2570 Yes : 1420 Yes : 1899 Yes : 1932 Yes : 2548 Yes : 4800

NA's:146448 NA's: 16259 NA's:146448 NA's:146448 NA's:146448 NA's:146448 NA's: 16259

polydactyly club\_foot diaphragmatic\_hernia other\_musculoskeletal\_anomalies downs\_syndrome other\_chromosomal\_anomalies other\_congenital\_anomalies

No :290973 No :290684 No :290735 No :288879 No :420473 No :287937 No :274204

Yes : 1794 Yes : 2083 Yes : 2032 Yes : 3888 Yes : 2483 Yes : 4830 Yes : 18581

NA's:146448 NA's:146448 NA's:146448 NA's:146448 NA's: 16259 NA's:146448 NA's:146430

age\_of\_mother\_y age\_of\_mother\_c resident\_status\_of\_mother race\_and\_hispanic\_orig\_of\_mother martial\_status\_of\_mother

Min. :14.00 [20, 30):227477 Residents :298411 Non-Hispanic White:208257 Married :219111

1st Qu.:21.00 <16 : 6146 Intrastate nonresidents:123801 Hispanic : 77410 Unmarried:220104

Median :26.00 [16, 20): 64694 Interstate nonresidents: 16543 Non-Hispanic Black:126150

Mean :26.43 [30, 40):127205 Foreign residents : 460 Other : 20371

3rd Qu.:31.00 40+ : 13693 NA's : 7027

Max. :49.00

education\_of\_mother tobacco\_use\_during\_pregnancy alcohol\_use\_during\_pregnancy time\_prenatal\_care\_began death age\_at\_death\_w

High school :189197 No :244627 No :261004 1st trimester :250662 Mode:logical Min. : 0.000

No education : 971 Yes : 53605 Yes : 4836 2nd trimester : 45944 TRUE:439215 1st Qu.: 0.000

Elementary school: 18873 NA's:140983 NA's:173375 3rd trimester : 8100 NA's:0 Median : 0.000

College :117300 No prenatal care: 18742 Mean : 5.916

NA's :112874 NA's :115767 3rd Qu.: 8.000

Max. :52.000

age\_at\_death\_d age\_at\_death\_h age\_at\_death\_or\_cens\_d age\_at\_death\_or\_cens\_h age\_at\_death\_or\_cens\_c

Min. : 0.00 Min. : 0 Min. : 0.00 Min. : 0 [1,24) :110886

1st Qu.: 0.00 1st Qu.: 1 1st Qu.: 0.00 1st Qu.: 1 [0,1) : 63624

Median : 4.00 Median : 96 Median : 4.00 Median : 96 [168,672) : 58971

Mean : 43.13 Mean :1035 Mean : 43.13 Mean :1035 [24,168) : 57563

3rd Qu.: 57.00 3rd Qu.:1368 3rd Qu.: 57.00 3rd Qu.:1368 [672,1.34e+03) : 37245

Max. :365.00 Max. :8760 Max. :365.00 Max. :8760 [1.34e+03,2.02e+03): 27237

(Other) : 83689

> ideath %>% filter(death == FALSE) %>% summary

date\_of\_delivery\_ym date\_of\_delivery\_y date\_of\_delivery\_m weekday\_of\_delivery method\_of\_delivery prolonged\_labor

Min. :1995-01-01 Min. :1995 Min. : 1.000 Sunday : 6340072 Vaginal (no previous C-section) :38715604 No :43008931

1st Qu.:1999-03-01 1st Qu.:1999 1st Qu.: 4.000 Monday : 9551274 C-section (previous C-section unknown): 253 Yes : 336857

Median :2003-03-01 Median :2003 Median : 7.000 Tuesday :10600502 Primary C-section : 8692396 NA's:21287298

Mean :2003-01-29 Mean :2003 Mean : 6.559 Wednesday:10434577 Repeat C-section : 5201269

3rd Qu.:2007-02-01 3rd Qu.:2007 3rd Qu.: 9.000 Thursday :10379285 Vaginal (previous C-section unknown) : 16272

Max. :2010-12-01 Max. :2010 Max. :12.000 Friday :10187738 Vaginal (previous C-section) : 1022211

Saturday : 7139638 NA's :10985081

sex gestation\_at\_delivery\_w gestation\_at\_delivery\_c date\_of\_conception\_ym date\_of\_conception\_y birthweight\_g

Male :33053691 Min. :17 Full term [39, 41) :30122101 Min. :1994-02-01 Min. :1994 Min. : 227

Female:31579395 1st Qu.:38 Early term [37, 39) :15577957 1st Qu.:1998-10-01 1st Qu.:1998 1st Qu.:3000

Median :39 Moderate to late preterm [32, 37): 5553961 Median :2002-12-01 Median :2002 Median :3341

Mean :39 Late term [41, 42) : 5503683 Mean :2002-08-23 Mean :2002 Mean :3302

3rd Qu.:40 Post term [42, 50) : 2369185 3rd Qu.:2006-08-01 3rd Qu.:2006 3rd Qu.:3660

Max. :47 (Other) : 903619 Max. :2010-08-01 Max. :2010 Max. :8165

NA's :4602580 NA's : 4602580 NA's :4602580 NA's :4602580 NA's :17676

birthweight\_c apgar5 plurality birth\_injury congenital\_anomalies anencephalus spina\_bifida

Regular :56986872 Min. : 0 Single :62616380 No :39828500 None :64069966 No :63411326 No :63403032

Extremely low: 273576 1st Qu.: 9 Twin : 1916258 Yes : 117068 Least severe: 127997 Yes : 3235 Yes : 11529

Very low : 450772 Median : 9 Triplet : 93229 NA's:24687518 Less severe : 169844 NA's: 1218525 NA's: 1218525

Low : 4110142 Mean : 9 Quadruplet : 6303 Severe : 265279

High : 2794048 3rd Qu.: 9 Quintruplet or higher: 916

NA's : 17676 Max. :10

NA's :10240194

hydrocephalus microcephalus other\_central\_nervous\_system\_anomalies heart\_malformations other\_circulatory\_respiratory\_anomalies stenosis

No :42668943 No :42674623 No :42669160 No :42632422 No :42623584 No :42673417

Yes : 7712 Yes : 2032 Yes : 7495 Yes : 44233 Yes : 53071 Yes : 3238

NA's:21956431 NA's:21956431 NA's:21956431 NA's:21956431 NA's:21956431 NA's:21956431

tracheo\_esophageal\_fistula omphalocele other\_gastrointestinal\_anomalies malformed\_genitalia renal\_agensis other\_urogenital\_anomalies

No :42671904 No :63396320 No :42664026 No :42643994 No :42672601 No :42634350

Yes : 4751 Yes : 18241 Yes : 12629 Yes : 32661 Yes : 4054 Yes : 42305

NA's:21956431 NA's: 1218525 NA's:21956431 NA's:21956431 NA's:21956431 NA's:21956431

cleft\_lip polydactyly club\_foot diaphragmatic\_hernia other\_musculoskeletal\_anomalies downs\_syndrome other\_chromosomal\_anomalies

No :63368980 No :42642955 No :42653821 No :42673552 No :42586404 No :63387185 No :42665165

Yes : 45581 Yes : 33700 Yes : 22834 Yes : 3103 Yes : 90251 Yes : 27376 Yes : 11490

NA's: 1218525 NA's:21956431 NA's:21956431 NA's:21956431 NA's:21956431 NA's: 1218525 NA's:21956431

other\_congenital\_anomalies age\_of\_mother\_y age\_of\_mother\_c resident\_status\_of\_mother race\_and\_hispanic\_orig\_of\_mother

No :42504487 Min. :14.00 [20, 30):33632614 Residents :48102310 Non-Hispanic White:36730402

Yes : 173216 1st Qu.:22.00 <16 : 448886 Intrastate nonresidents:15043056 Hispanic :14058269

NA's:21955383 Median :27.00 [16, 20): 6704839 Interstate nonresidents: 1395841 Non-Hispanic Black: 9383553

Mean :27.33 [30, 40):22148495 Foreign residents : 91879 Other : 3854053

3rd Qu.:32.00 40+ : 1698252 NA's : 606809

Max. :49.00

martial\_status\_of\_mother education\_of\_mother tobacco\_use\_during\_pregnancy alcohol\_use\_during\_pregnancy time\_prenatal\_care\_began

Married :41571332 High school :22829424 No :37287913 No :37023458 1st trimester :40523528

Unmarried:23061754 No education : 97159 Yes : 4905661 Yes : 367099 2nd trimester : 6418365

Elementary school: 2733914 NA's:22439512 NA's:27242529 3rd trimester : 1304841

College :22990027 No prenatal care: 524075

NA's :15982562 NA's :15862277

death age\_at\_death\_w age\_at\_death\_d age\_at\_death\_h age\_at\_death\_or\_cens\_d age\_at\_death\_or\_cens\_h age\_at\_death\_or\_cens\_c

Mode :logical Min. : NA Min. : NA Min. : NA Min. :365 Min. :8760 [8.06e+03,8.76e+03]:64633086

FALSE:64633086 1st Qu.: NA 1st Qu.: NA 1st Qu.: NA 1st Qu.:365 1st Qu.:8760 [0,1) : 0

NA's :0 Median : NA Median : NA Median : NA Median :365 Median :8760 [1,24) : 0

Mean :NaN Mean :NaN Mean :NaN Mean :365 Mean :8760 [24,168) : 0

3rd Qu.: NA 3rd Qu.: NA 3rd Qu.: NA 3rd Qu.:365 3rd Qu.:8760 [168,672) : 0

Max. : NA Max. : NA Max. : NA Max. :365 Max. :8760 [672,1.34e+03) : 0

NA's :64633086 NA's :64633086 NA's :64633086