

About the FLHealthCHARTS Fetal Death Query System

The Fetal Death Query System provides counts and rates of fetal deaths from 1989 to the present. Data are final unless marked as provisional. Provisional fetal death data is updated every day at approximately 5:00 a.m.

Causes of fetal death are provided for by the international standard diagnostic cause groups (see [World Health Organization](#)) which are used to classify diseases and record many types of health and vital records including fetal death certificates. In this system, if there are no values for the variable selected, no data will be displayed.

Pivot Table Field List for Modifying and Creating Reports

Measures	Availability	Description
<i>Note: Expand the measures symbol (Σ) to view the options in the online system.</i>		
Recorded Fetal Deaths	Count	Shows fetal deaths in Florida, regardless of whether the mother of the fetus was a Florida resident. Recorded data is available starting with 1989.
Resident Fetal Deaths	Count	Shows fetal deaths whose mothers are Florida residents. Resident data is available starting with 1989.
Fetal Death Rate Per 1,000 Deliveries	Rate	The number of fetal deaths divided by the sum of live births plus fetal deaths X 1,000.

Row, Column, and Filter Variables	Description
<i>Note: Variables are found in both the count and rate query systems unless otherwise noted. Expand the options for each group by clicking the triangle in the pivot Table Field List or the or funnel symbol in the report columns.</i>	
High Risk Pregnancy	Mother had history of gestational or pre-pregnancy diabetes, chronic or gestational hypertension, previous preterm delivery or other previous poor birth outcome. Yes, No, Unknown (for 2006 forward)
Mother Not Born in US	Mother was born outside of the U.S. – Yes, No, Unknown Yes means mother was not born in the US. No means mother was born in US. (for 2006 forward)
Mother’s Age	Age of mother at time of fetal death - grouped by ages 0-14, 15-17, 18-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45+, and unknown. The groups can be expanded to show single years of age (for 1989 forward)

Row, Column, and Filter Variables	Description
<p><i>Note: Variables are found in both the count and rate query systems unless otherwise noted. Expand the options for each group by clicking the triangle in the pivot Table Field List or the or funnel symbol in the report columns.</i></p>	
<p>Mother's Education Level</p>	<p>Mother's level of education at the time of fetal death – initially grouped as Less Than High School, High School Graduate or Higher, Unknown. Can be expanded to show 8th grade or less, 9th-12th grade no diploma, High school graduate or GED, Some college but no degree, Associate's Degree, Bachelor's Degree, Master's Degree, Doctorate Degree, Unknown (for 2006 forward-see note)</p>
<p>Mother's Marital Status</p>	<p>Marital Status of mother at time of fetal death - Married, Not married, other or unknown status (for 1989 forward)</p>
<p>Mother's Pre-pregnancy BMI</p>	<p>Pre-pregnancy body mass index (BMI) of mother - Underweight (<18.5), Normal Weight (18.5-24.9), Overweight (25.0-29.9), Obese I (30.0-34.9), Obese II (35.0-39.9), Obese III (BMI >40), Unknown BMI (for 2008 forward)</p>
<p>Mother's WIC Participation</p>	<p>Mother received WIC food for herself during this pregnancy - Yes, No, Unknown (for 2006 forward)</p>
<p>Mother's Smoking Status</p>	<p>Mother smoked during pregnancy - Yes, No, Yes, but quit during pregnancy, Unknown (for 1991 forward-- changes occurred in 2006 and in 2013. See note.)</p>
<p>Number of Prenatal Visits</p>	<p>Number of prenatal visits during this pregnancy - 0 visits, 1 visit, 2-7 visits, 8-15 visits, 16-24 visits, 25+ visits, Unknown visits (for 1989 forward)</p>
<p>Plurality</p>	<p>Singleton, Twins, Triplets, Quadruplets or more, Unknown (for 1989 forward)</p>
<p>Trimester Prenatal Care Began</p>	<p>Trimester prenatal care began - 1st Trimester, 2nd Trimester, 3rd Trimester, No prenatal care, Unknown prenatal care status (for 1989 forward)</p>
<p>Birth Attendant</p>	<p>Attendant at Delivery - Medical Doctor (MD), Doctor of Osteopathic Medicine (DO), Certified Nurse Midwife (CNM), Licensed Midwife (LM), Other, Unknown (attendant types were added over time) (for 1989 forward)</p>
<p>Delivery Method</p>	<p>Final method of delivery - Vaginal (Vaginal no prior C-section, Vaginal birth after C-section, Vaginal birth - unknown delivery history), C-Section (Primary C-section, Repeat C-section, C-section unknown delivery history), Unknown (for 2006 forward)</p>

Row, Column, and Filter Variables	Description
<p><i>Note: Variables are found in both the count and rate query systems unless otherwise noted. Expand the options for each group by clicking the triangle in the pivot Table Field List or the or funnel symbol in the report columns.</i></p>	
<p>Birth Facility Type</p>	<p>Facility where delivery occurred - Hospital, Freestanding birth center, Clinic or doctor's office, Home birth, En route or other place, Unknown (for 1989 forward; changes in 2006)</p>
<p>Inter-pregnancy interval</p>	<p>Interval between births/deliveries – Less than 6 months, 6-11 months, 12-17 months, 18-23 months, 24-35 months, 36 or more months, No prior pregnancies, Unknown (for 1989 forward)</p>
<p>Weight of Fetus at Delivery</p>	<p>Weight in grams – Low birth weight <2500 grams (expands to - <1500 grams (expands to <500, 500-749, 750-999, 1000-1249, 1250-1400 grams), 1500-2499 grams (expands to 1500-1999, 2000-2400 grams)), 2500+ grams (expands to 2500-3999, 4000+ grams), Unknown (for 1989 forward)</p>
<p>Clinical/Obstetric Estimate of Gestation</p>	<p>This is the birth attendant's estimate of the gestational age at the time of death <32 weeks (expands to <21, 21-23, 24-25, 26-27, 28-9, 30-31 weeks) 32 – 36 weeks (expands to 32-33, 34-36 weeks) 37+ weeks (expands to 37-38, 39-40, 41-42, 43+ weeks) unknown weeks (for 1980 forward)</p>
<p>Ethnicity</p>	<p>Hispanic (Central/South American, Cuban, Mexican, Other or Unknown Hispanic, Puerto Rican), Non-Hispanic or Haitian (Non-Hispanic, Haitian), Unknown (for 1989 forward; and to comply with national standards starting in 2013 Central/South American was no longer used)</p>
<p>Race</p>	<p>Based on race of the mother. White, Black, Other (American Indian, Chinese, Japanese, Hawaiian, Filipino, Korean, Other races, Vietnamese, Asian Indian, Asian Other, Guam, Samoan, Other Pacific Islander, More than one race), Unknown (for 1989 forward)</p>
<p>124 Causes of Fetal Death</p>	<p>The National Center for Health Statistics' (NCHS) 124 causes of fetal death Causes of fetal death became available electronically in Florida in 2006. Prior to 2006, all causes are classified as "unknown". Specific causes and ICD codes are found in the table at the end of this document. (for 2006 forward)</p>
<p>Gravida</p>	<p>A count of all live births and terminations of pregnancies a mother has had, including the current fetal death. 1,2,3,4,5,6,7,8,9,10,11+, Unknown</p>

Row, Column, and Filter Variables	Description
<p><i>Note: Variables are found in both the count and rate query systems unless otherwise noted. Expand the options for each group by clicking the triangle in the pivot Table Field List or the or funnel symbol in the report columns.</i></p>	
Parity	<p>(for 1989 forward)</p> <p>A count of all previous live births a mother has had (not including the current or any fetal deaths) 0,1,2,3,4,5,6,7,8,9,10,11+, Unknown</p> <p>(for 1989 forward)</p>
Leading Rankable Causes of Fetal Death	<p>The National Center for Health Statistics' (NCHS) leading rankable causes of fetal death</p> <p>Causes of fetal death became available electronically in Florida in 2006. Prior to 2006, all causes are classified as "unknown".</p> <p>Details including the ICD codes are found in the table at the end of this document.</p> <p>(for 2006 forward)</p>
Residence Census Tract	<p>Residence Census Tract by County - mother's current residence census tract based on address as listed on fetal death certificate. Florida residents only; data is initially presented by county initially which should be expanded to show census tracts; 9999999999 is used for unknown</p> <p>(for 1995 forward) Census tracts are not available for provisional data.</p> <p>Data in this application are mapped to the US Census Bureau's census tracts and are displayed according to the years listed below. If census tracts persist from one period to another, those tracts will be repeated over multiple rows.</p> <p>1995-2006: US Census Bureau's 2000 Census Tracts 2007-2019: US Census Bureau's 2010 Census Tracts 2020 forward: US Census Bureau's 2020 Census Tracts</p> <p>Rates at the census tract level are not available due to limitations on accurate population counts by census tract. The link below provides a census tract and related demographic information based on a street address: https://geomap.ffiec.gov/FFIECGeocMap/GeocodeMap1.aspx</p>
Residence City	<p>Mother's Residence City – Florida residents only; data is initially presented by county that can be expanded to show incorporated cities of 2,400 or more population. Balance of County indicates residence was not within city limits.</p> <p>(for 1989 forward)</p>
Residence County	<p>Florida County of Residence - Lists Florida's 67 counties</p> <p>(for 1989 forward)</p>
Residence Zip Code	<p>Current residence zip code (the mother's current residence zip code as listed on the fetal death certificate) - Florida residents only; data is initially presented by county and can be expanded to show zip code</p> <p>(for 1989 forward)</p>

Row, Column, and Filter Variables	Description
<i>Note: Variables are found in both the count and rate query systems unless otherwise noted. Expand the options for each group by clicking the triangle in the pivot Table Field List or the or funnel symbol in the report columns.</i>	
Sex	Sex - Male, Female or Unknown (for 1989 forward)
Year	Year of Fetal Death (for 1989 forward)

Mother’s Education Level

- Data about mother’s education are not directly comparable between data collected prior to 2006 and the present.
- Prior to 2006, the highest grade level completed was listed on the fetal death certificate. The number of years ranged from 0 to 17, with 17 meaning 17 years or more; 99 represented unknown education.
- Starting in 2006, the question was changed to “What was highest educational degree achieved by mother?” The responses are: 1) 8th grade or less 2) 9th-12th grade; no diploma 3) high school graduate or GED 4) Some college but no degree 5) Associate's Degree (e.g., AA, AS) 6) Bachelor's Degree (e.g., BA, AB, BS) 7) Master's Degree (e.g., MA, MS) 8) Doctorate Degree (e.g., PHD, EDD) 9) Unknown.

Mother’s Smoking Status

- Starting in 1991, responses were YES and UNKNOWN.
- Starting in 2006, the responses were changed to Yes, No, Yes, but quit during pregnancy, or Unknown. The data are presented by categories of response, but there are not any “Yes, but quit during pregnancy” responses prior to 2006 since that was not an option.
- Starting in 2013, Florida’s question about smoking was changed to the National Center for Health Statistics’ recommended question; we ask about smoking prior to pregnancy and smoking in each trimester of pregnancy in order to determine whether the answer will be yes, no or unknown.

Trimester Prenatal Care Began

- Prior to 2006, the question directly asked what trimester prenatal care began.
- Starting in 2006, the time between the first prenatal visit and the date of delivery was calculated and used to determine the trimester prenatal care began.
- Beginning in April 2018, mothers with unknown prenatal care were excluded from the denominator in calculating the rate.

Notes:

- The International Classification of Diseases Tenth Revision is used for the coding of underlying causes of death.
- In this system, all fetal deaths prior to 2006 are classified as unknown.
- The sum of the fetal deaths from all counties will not always equal the total number of resident fetal deaths due to an unknown county of residence on some records.

Descriptions and ICD-10 Codes for 124 Causes of Fetal Death

Cause	Description	ICD-10 Code
1	Congenital syphilis	A50
2	Human immunodeficiency virus (HIV) disease	B20-B24
3	Other viral diseases	A80-B19,B25-B34, U07.1
4	Other and unspecified infectious and parasitic diseases	A00-A49,A51-A79,B35-B99
5	Malignant neoplasms	C00-C97
6	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
7	Anemias	D50-D64
8	Short stature, not elsewhere classified	E34.3
9	Cystic fibrosis	E84
10	Other endocrine, nutritional and metabolic diseases	E00-E32,E34.0-E34.2,E34.4-E34.9,E40-E83,E85-E88
11	Meningitis	G00,G03
12	Other diseases of nervous system and sense organs	G04-H93
13	Umbilical hernia	K42
14	Other hernia	K40-K41,K43-K46
15	Other and unspecified diseases of digestive system	K00-K38,K50-K92
16	All other diseases, excluding perinatal conditions, congenital anomalies, and symptoms, signs and ill-defined conditions	D65-D89,I00-J98,L00-N98,U04
17	Fetus affected by maternal hypertensive disorders	P00.0
18	Fetus affected by maternal renal and urinary tract diseases	P00.1
19	Fetus affected by maternal infectious and parasitic diseases	P00.2
20	Fetus affected by other maternal circulatory and respiratory diseases	P00.3
21	Fetus affected by maternal nutritional disorders	P00.4
22	Fetus affected by maternal injury	P00.5
23	Fetus affected by surgical procedure on mother	P00.6

Descriptions and ICD-10 Codes for 124 Causes of Fetal Death

Cause	Description	ICD-10 Code
24	Fetus affected by other medical procedures and maternal conditions	P00.7-P00.8
25	Fetus affected by unspecified maternal condition	P00.9
26	Fetus affected by incompetent cervix	P01.0
27	Fetus affected by premature rupture of membranes	P01.1
28	Fetus affected by oligohydramnios	P01.2
29	Fetus affected by polyhydramnios	P01.3
30	Fetus affected by ectopic pregnancy	P01.4
31	Fetus affected by multiple pregnancy	P01.5
32	Fetus affected by maternal death	P01.6
33	Fetus affected by malpresentation before labor	P01.7
34	Fetus affected by other and unspecified maternal complications of pregnancy	P01.8-P01.9
35	Fetus affected by placenta previa	P02.0
36	Fetus affected by other forms of placental separation and hemorrhage	P02.1
37	Fetus affected by other and unspecified morphological and functional abnormalities of placenta	P02.2
38	Fetus affected by placental transfusion syndromes	P02.3
39	Fetus affected by prolapsed cord	P02.4
40	Fetus affected by other compression of umbilical cord	P02.5
41	Fetus affected by other and unspecified conditions of umbilical cord	P02.6
42	Fetus affected by chorioamnionitis	P02.7
43	Fetus affected by other and unspecified abnormalities of membranes	P02.8-P02.9
44	Fetus affected by breech delivery and extraction	P03.0
45	Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	P03.1
46	Fetus affected by forceps delivery	P03.2
47	Fetus affected by delivery by vacuum extractor (ventouse)	P03.3

Descriptions and ICD-10 Codes for 124 Causes of Fetal Death

Cause	Description	ICD-10 Code
48	Fetus affected by cesarean delivery	P03.4
49	Fetus affected by precipitate delivery	P03.5
50	Fetus affected by abnormal uterine contractions	P03.6
51	Fetus affected by other and unspecified complications of labor and delivery	P03.8-P03.9
52	Fetus affected by noxious influences transmitted via placenta	P04
53	Slow fetal growth and fetal malnutrition	P05
54	Extremely low birth weight or extreme immaturity	P07.0,P07.2
55	Other low birth weight and preterm	P07.1,P07.3
56	Exceptionally large size and other heavy for gestational age fetus	P08.0-P08.1
57	Post-term, not heavy for gestational age fetus	P08.2
58	Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	P10-P11
59	Other birth trauma	P12-P15
60	Intrauterine hypoxia first noted before onset of labor	P20.0
61	Intrauterine hypoxia first noted during labor and delivery	P20.1
62	Intrauterine hypoxia, unspecified	P20.9
63	Birth asphyxia	P21
64	Congenital pneumonia	P23
65	Aspiration syndromes	P24
66	Interstitial emphysema and related conditions originating in the perinatal period	P25
67	Atelectasis	P28.0-P28.1
68	Other respiratory system disorders	P22.8-P22.9,P26-P27,P28.2-P28.9
69	Congenital rubella syndrome	P35.0
70	Congenital cytomegalovirus infection	P35.1
71	Congenital herpesviral (herpes simplex) infection	P35.2

Descriptions and ICD-10 Codes for 124 Causes of Fetal Death

Cause	Description	ICD-10 Code
72	Congenital viral hepatitis	P35.3
73	Bacterial sepsis	P36
74	Congenital tuberculosis	P37.0
75	Congenital toxoplasmosis	P37.1
76	Other infections specific to the perinatal period	P35.8-P35.9,P37.2-P37.9,P38-P39
77	Fetal hemorrhage	P50-P54
78	Rh isoimmunization of fetus	P55.0
79	ABO isoimmunization of fetus	P55.1
80	Other hemolytic disease of fetus	P55.8-P55.9
81	Hydrops fetalis due to hemolytic disease	P56
82	Perinatal jaundice	P57-P59
83	Hematological disorders	P60-P61
84	Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
85	Other transitory endocrine and metabolic disorders specific to fetus	P70.3-P70.9,P71-P74
86	Digestive system disorders of fetus	P76-P78
87	Hydrops fetalis not due to hemolytic disease	P83.2
88	Fetal death of unspecified cause	P95
89	Withdrawal symptoms from maternal use of drugs of addiction	P96.1
90	Termination of pregnancy	P96.4
91	Complications of intrauterine procedures, not elsewhere classified	P96.5
92	All other specified conditions originating in the perinatal period	P29,P83.0-P83.1,P83.3-P83.9,P91,P94,P96.0,P96.3,P96.8
93	Condition originating in the perinatal period, unspecified	P96.9
94	Anencephaly and similar malformations	Q00
95	Encephalocele	Q01

Descriptions and ICD-10 Codes for 124 Causes of Fetal Death

Cause	Description	ICD-10 Code
96	Microcephaly	Q02
97	Congenital hydrocephalus	Q03
98	Reduction deformities of brain	Q04.0-Q04.3
99	Other congenital malformations of brain	Q04.4-Q04.9
100	Spina bifida	Q05
101	Other congenital malformations of spinal cord and nervous system	Q06-Q07
102	Congenital malformations of eye, ear, face and neck	Q10-Q18
103	Congenital malformations of heart	Q20-Q24
104	Other congenital malformations of circulatory system	Q25-Q28
105	Congenital malformations of lung	Q33
106	Other congenital malformations of respiratory system	Q30-Q32,Q34
107	Congenital malformations of digestive system	Q35-Q45
108	Congenital malformations of genital organs	Q50-Q56
109	Renal agenesis and other reduction defects of kidney	Q60
110	Cystic kidney disease	Q61
111	Other congenital malformations of urinary system	Q62-Q64
112	Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
113	Conjoined twins	Q89.4
114	Multiple congenital malformations, not elsewhere classified	Q89.7
115	All other congenital malformations	Q86-Q87,Q89.0-Q89.3,Q89.8-Q89.9
116	Downs syndrome	Q90
117	Edwards syndrome	Q91.0-Q91.3
118	Patau syndrome	Q91.4-Q91.7
119	Other chromosomal abnormalities, not elsewhere classified	Q92-Q99

Descriptions and ICD-10 Codes for 124 Causes of Fetal Death

Cause	Description	ICD-10 Code
120	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R83-R94
121	Accidents (unintentional injuries)	V01-X59
122	Assault (homicide)	*U01,X85-Y09
123	Complications of medical and surgical care	Y40-Y84
124	Other external causes	Y10-Y36

Descriptions and ICD-10 Codes for Leading Rankable Causes of Fetal Death

Cause	Description	ICD-10 Code
1	Congenital syphilis	A50
2	Human immunodeficiency virus (HIV) disease	B20-B24
3	Malignant neoplasms	C00-C97
4	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
5	Anemias	D50-D64
6	Short stature, not elsewhere classified	E34.3
7	Cystic fibrosis	E84
8	Meningitis	G00, G03
9	Umbilical hernia	K42
10	Fetus affected by maternal conditions which may be unrelated to present pregnancy	P00
11	Fetus affected by maternal complications of pregnancy	P01.0-P01.9
12	Fetus affected by complications of placenta, cord and membranes	P02
13	Fetus affected by other complications of labor and delivery	P03
14	Fetus affected by noxious influences transmitted via placenta	P04
15	Slow fetal growth and fetal malnutrition	P05
16	Disorders related to short gestation and low birth weight, not elsewhere classified	P07
17	Disorders related to long gestation and high birth weight	P08
18	Birth trauma	P10-P15
19	Intrauterine hypoxia and birth asphyxia	P20-P21
20	Congenital pneumonia	P23
21	Aspiration syndromes	P24
22	Interstitial emphysema and related conditions originating in the perinatal period	P25
23	Atelectasis	P28.0-P28.1
24	Congenital rubella syndrome	P35.0

Descriptions and ICD-10 Codes for Leading Rankable Causes of Fetal Death

Cause	Description	ICD-10 Code
25	Congenital cytomegalovirus infection	P35.1
26	Congenital herpesviral infection	P35.2
27	Congenital viral hepatitis	P35.3
28	Bacterial sepsis of fetus	P36
29	Congenital tuberculosis	P37.0
30	Congenital toxoplasmosis	P37.1
31	Fetal hemorrhage	P50-P54
32	Hemolytic disease of fetus	P55-P56
33	Perinatal jaundice	P57-P59
34	Hematological disorders	P60-P61
35	Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
36	Digestive system disorders of fetus	P76-P78
37	Hydrops fetalis not due to hemolytic disease	P83.2
38	Fetal death of unspecified cause	P95
39	Withdrawal symptoms from maternal use of drugs of addiction	P96.1
40	Termination of pregnancy	P96.4
41	Complications of intrauterine procedures, not elsewhere classified	P96.5
42	Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
43	Unintentional injuries	V01-X59
44	Assault (homicide)	*U01, X85-Y09
45	Complications of medical and surgical care	Y40-Y84

History

May 22, 2023 Added description of census tracts used by year of data.

October 11, 2022: Updated ICD codes in the system in accordance with NCHS Instruction Manual, Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics, September 2020.