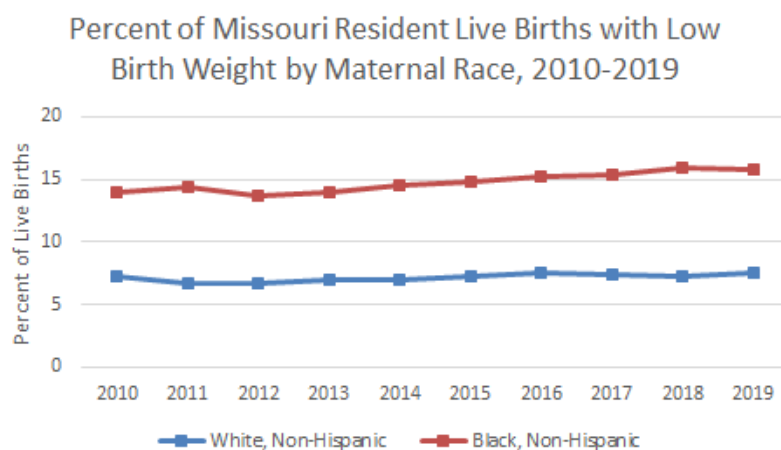


# Missouri Vital Statistics 2019



Missouri Department of  
Health and Senior Services  
**Section of Epidemiology for Public Health Practice,  
Bureau of Epidemiology and Vital Statistics**



# **MISSOURI VITAL STATISTICS 2019**

MISSOURI DEPARTMENT OF HEALTH & SENIOR SERVICES

SECTION OF EPIDEMIOLOGY FOR PUBLIC HEALTH PRACTICE  
BUREAU OF EPIDEMIOLOGY AND VITAL STATISTICS

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November 2020



## PREFACE

For more than 100 years, Missouri vital records have captured a piece of the life story of every person who was born or died in Missouri. Legislation passed by the Missouri General Assembly and approved on May 6, 1909, provided for the “immediate registration of all births and deaths” by the State Board of Health. Improved sanitation and hygiene for the people of the state were anticipated as a result of centralizing these duties. With the passage of the legislation, Missouri became the 19<sup>th</sup> state to enact a comprehensive vital statistics law, and acceptance into the death registration area of the U.S. Census Bureau soon followed. The 1909 law was implemented by February of 1910, and the first vital statistics report using a full year of Missouri birth and death records was for 1911.

Vital records and vital statistics impact our lives every day. Birth and death certificates are permanent legal records that contain valuable health and medical information. As legal documents, birth and death certificates provide proof of age, parentage, and citizenship. They are used to obtain passports and driver’s licenses, enroll in benefits programs, settle estates, obtain life insurance payouts, and terminate Social Security benefits. Health and medical information from birth and death records is transformed into data to calculate population growth, identify health risk factors, measure health outcomes, plan and evaluate health programs, and conduct research. Vital statistics help drive public health programs that keep people healthy, and they influence our personal healthcare.

This report presents the final tabulation of statistical data relating to vital events in Missouri during 2019. Records of live births received through February 24, 2020, death, fetal death, abortion, and marriage records through April 15, 2020, and dissolutions received through April 24, 2020, are included in the tables, allowing information on 2019 events to be as complete as possible.

Missouri Vital Statistics 2019 is published for use in public health and related fields as an aid for studying births, deaths, fetal deaths, marriages, dissolutions, and abortions. This document, along with additional vital statistics data, is available on the Department of Health and Senior Services website at [health.mo.gov](http://health.mo.gov) under “Data and Statistics.”

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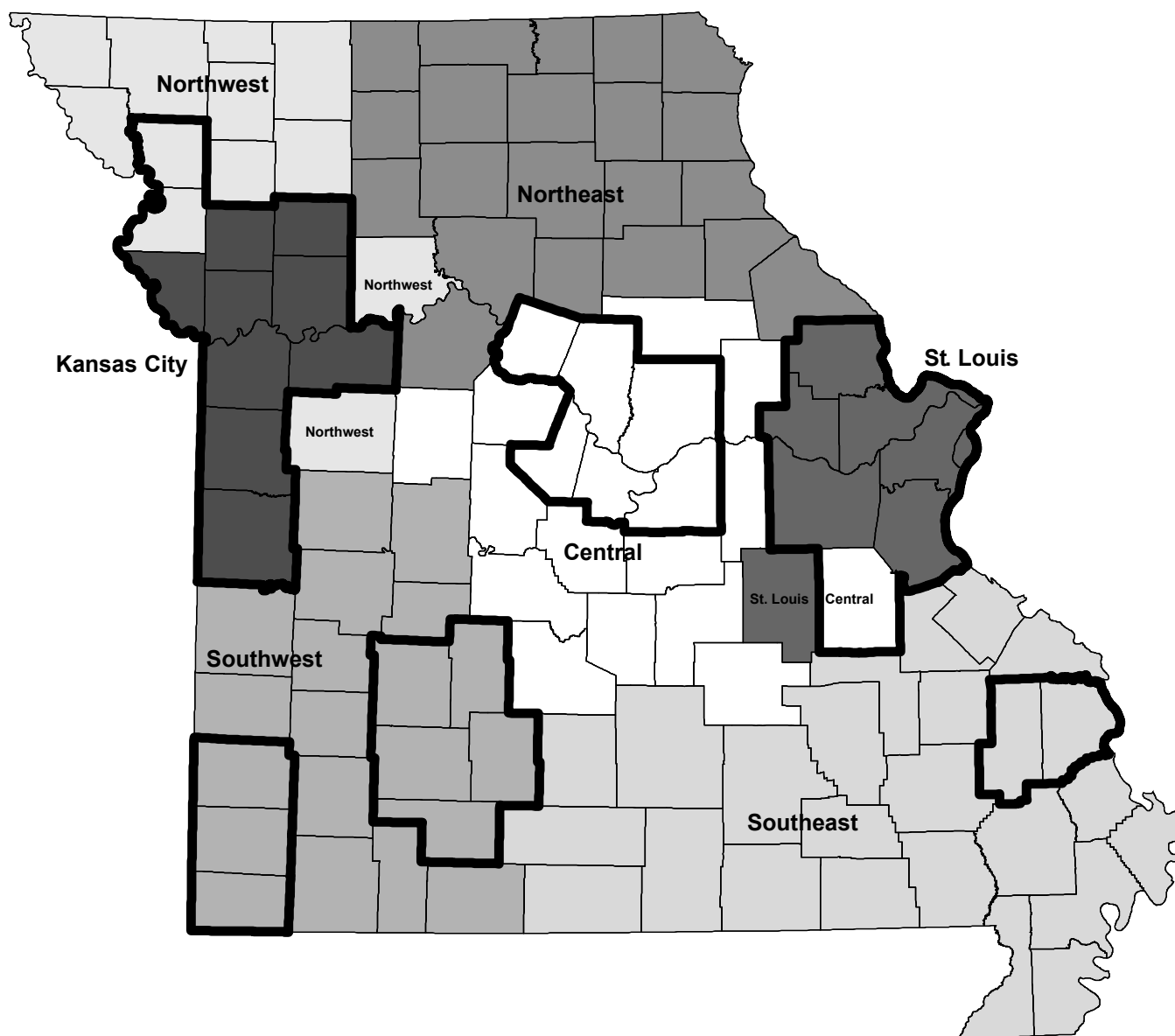
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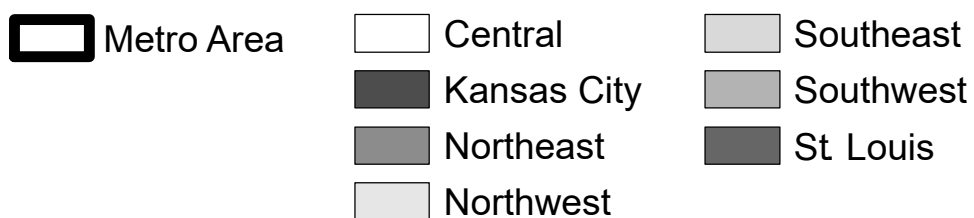
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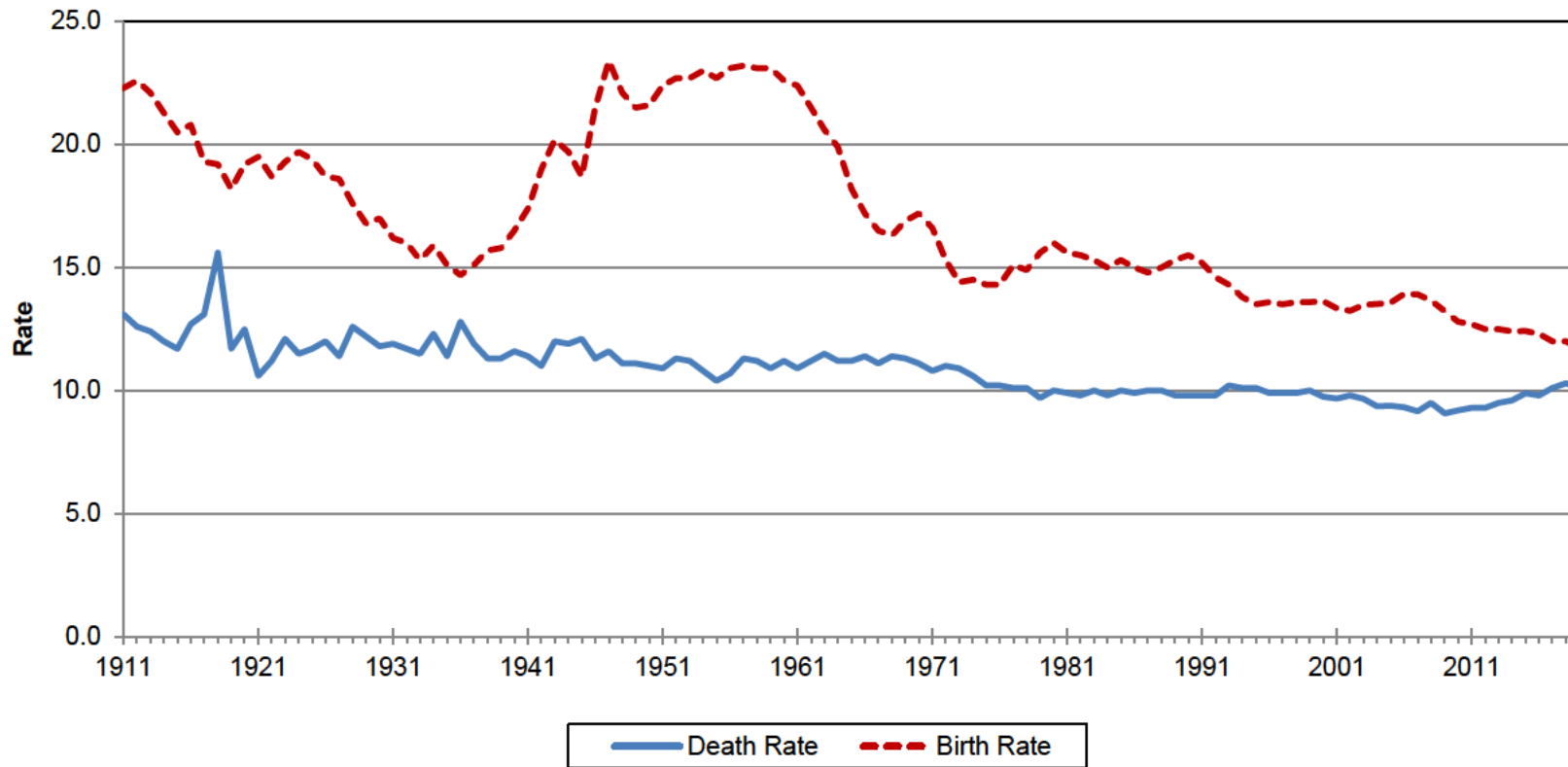
# Behavioral Risk Factor Surveillance System (BRFSS) Regions



## Legend



**Graph A. Live Birth and Death Rates per 1,000 Population: Missouri, 1911-2019\***



<u>Rate</u>			<u>Rate</u>			<u>Rate</u>			<u>Rate</u>		
Year	Birth	Death	Year	Birth	Death	Year	Birth	Death	Year	Birth	Death
1911	22.3	13.1	1945	18.7	12.1	1980	16.0	10.0	2015	12.4	9.9
1915	20.5	11.7	1950	21.6	11.0	1985	15.3	10.0	2016	12.3	9.8
1920	19.2	12.5	1955	22.7	10.4	1990	15.5	9.8	2017	12.0	10.1
1925	19.4	11.7	1960	22.6	11.2	1995	13.5	10.1	2018	12.0	10.3
1930	17.0	11.8	1965	18.2	11.2	2000	13.6	9.8	2019	11.7	10.1
1935	15.1	11.4	1970	17.2	11.1	2005	13.6	9.4			
1940	16.5	11.6	1975	14.3	10.2	2010	12.8	9.2			

\*1911-1944 recorded events    1945-2019 resident events

**Table 1. Population, Recorded Births and Deaths with Rates per 1,000 Population and Natural Increase: Missouri, 1911-1944**

Year	Estimated Mid-Year Population	<u>Births</u>		<u>Deaths</u>		Natural Increase
		Number	Rate	Number	Rate	
1911	3,317	74,130	22.3	43,479	13.1	30,651
1912	3,344	75,452	22.6	42,139	12.6	33,313
1913	3,409	75,231	22.1	42,130	12.4	33,101
1914	3,467	73,925	21.3	41,743	12.0	32,182
1915	3,492	71,543	20.5	40,863	11.7	30,680
1916	3,527	73,486	20.8	44,705	12.7	28,781
1917	3,470	67,041	19.3	45,564	13.1	21,477
1918	3,325	64,001	19.2	51,925	15.6	12,076
1919	3,371	61,193	18.2	39,282	11.7	21,911
1920	3,404	65,416	19.2	42,572	12.5	22,844
1921	3,429	66,970	19.5	36,210	10.6	30,760
1922	3,427	64,388	18.7	38,417	11.2	25,971
1923	3,454	66,691	19.3	41,853	12.1	24,838
1924	3,508	68,961	19.7	40,463	11.5	28,498
1925	3,526	68,293	19.4	41,332	11.7	26,961
1926	3,556	66,611	18.7	42,684	12.0	23,927
1927	3,576	66,401	18.6	40,853	11.4	25,548
1928	3,601	63,401	17.6	45,219	12.6	18,182
1929	3,622	60,980	16.8	44,262	12.2	16,718
1930	3,646	62,011	17.0	42,924	11.8	19,087
1931	3,711	60,201	16.2	43,999	11.9	16,202
1932	3,746	59,755	16.0	43,695	11.7	16,060
1933	3,773	57,717	15.3	43,368	11.5	14,349
1934	3,784	60,317	15.9	46,685	12.3	13,632
1935	3,798	57,299	15.1	43,201	11.4	14,098
1936	3,801	55,916	14.7	48,767	12.8	7,149
1937	3,794	57,270	15.1	45,160	11.9	12,110
1938	3,781	59,365	15.7	42,578	11.3	16,787
1939	3,783	59,688	15.8	42,693	11.3	16,995
1940	3,786	62,545	16.5	43,950	11.6	18,595
1941	3,811	66,268	17.4	43,295	11.4	22,973
1942	3,829	72,575	19.0	42,117	11.0	30,458
1943	3,705	74,820	20.2	44,437	12.0	30,383
1944	3,560	69,982	19.7	42,347	11.9	27,635

Sources: 1911-1934 and 1937-1944 Vital Statistics Reports of the Missouri State Board of Health. 1935-1936, Special Reports of the United States Bureau of the Census.

Population estimates 1911 to 1944 taken from the United States Bureau of the Census Release, Series P-25, No 139, June 27, 1956.

Note: Only recorded births and deaths are shown because resident data was not available before 1945.



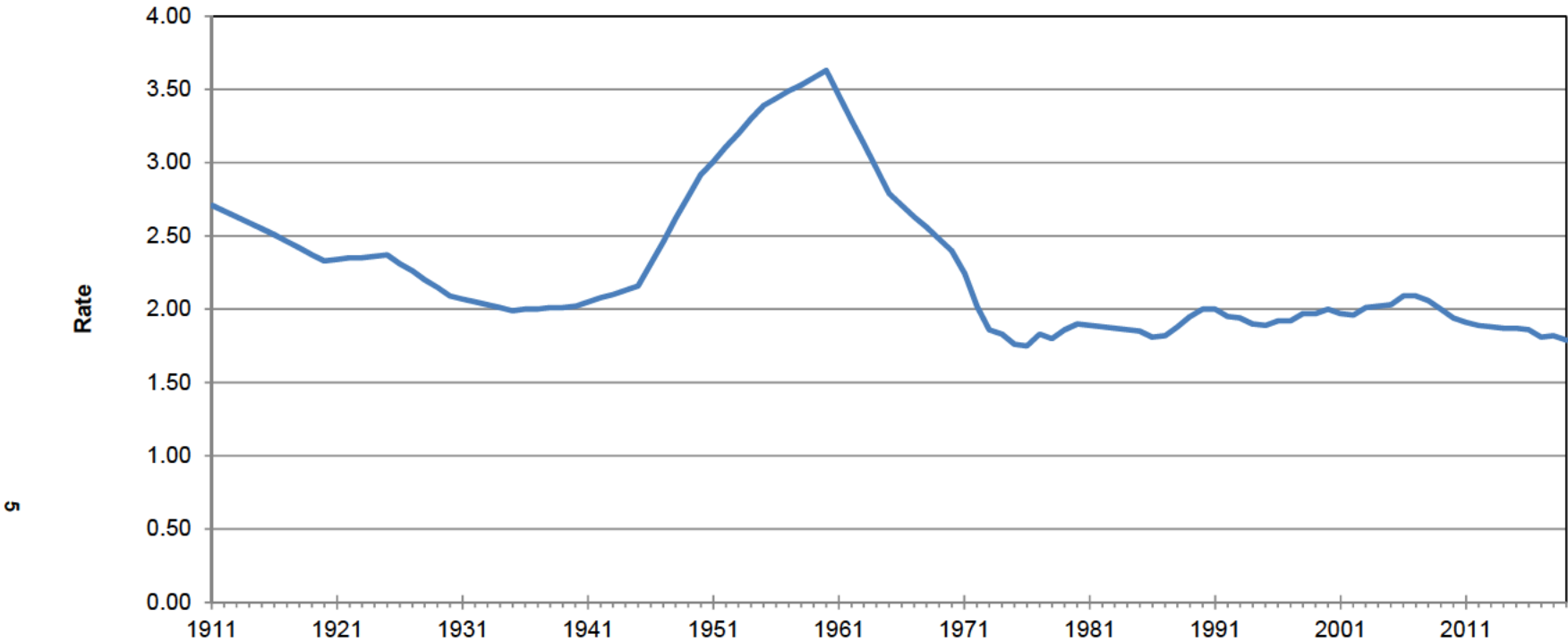
**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2019**

Year	Estimated Mid-Year Population (Thousands)	Recorded				Resident				Natural Increase
		Births		Deaths		Births		Deaths		
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	
1945	3,516	67,693	19.3	42,757	12.2	65,691	18.7	42,496	12.1	23,195
1946	3,746	82,901	22.1	42,640	11.4	80,698	21.5	42,377	11.3	38,321
1947	3,845	92,369	24.0	44,762	11.6	89,902	23.4	44,474	11.6	45,428
1948	3,844	87,005	22.6	42,921	11.2	85,096	22.1	42,753	11.1	42,342
1949	3,955	87,372	22.1	43,995	11.1	85,206	21.5	43,708	11.1	41,498
1950	3,964	87,948	22.2	43,962	11.1	85,704	21.6	43,714	11.0	41,990
1951	4,015	92,664	23.1	44,318	11.0	89,977	22.4	44,051	10.9	45,926
1952	3,972	92,931	23.4	45,245	11.4	90,118	22.7	45,051	11.3	45,067
1953	4,020	94,419	23.5	45,686	11.4	91,447	22.7	45,148	11.2	46,299
1954	4,066	97,278	23.9	44,404	10.9	93,453	23.0	43,835	10.8	49,618
1955	4,134	97,591	23.6	43,531	10.5	93,797	22.7	43,000	10.4	50,797
1956	4,163	100,163	24.1	45,003	10.8	96,099	23.1	44,458	10.7	51,641
1957	4,189	101,287	24.2	47,784	11.4	97,161	23.2	47,333	11.3	49,828
1958	4,186	100,729	24.1	47,338	11.3	96,721	23.1	46,729	11.2	49,992
1959	4,258	102,461	24.1	47,099	11.1	98,537	23.1	46,465	10.9	52,072
1960	4,326	101,778	23.5	48,955	11.3	97,723	22.6	48,287	11.2	49,436
1961	4,349	101,462	23.3	47,933	11.0	97,321	22.4	47,303	10.9	50,018
1962	4,357	97,658	22.4	49,685	11.4	93,879	21.5	49,016	11.2	44,863
1963	4,392	93,545	21.3	51,159	11.6	90,363	20.6	50,538	11.5	39,825
1964	4,442	90,918	20.5	50,271	11.3	88,335	19.9	49,617	11.2	38,718
1965	4,467	84,162	18.8	51,101	11.4	81,216	18.2	50,249	11.2	30,967
1966	4,523	80,750	17.9	52,476	11.6	77,946	17.2	51,581	11.4	26,365
1967	4,539	77,940	17.2	51,245	11.3	74,823	16.5	50,544	11.1	24,279
1968	4,568	77,028	16.9	52,834	11.6	74,304	16.3	52,019	11.4	22,285
1969	4,640	81,313	17.5	53,172	11.5	78,396	16.9	52,314	11.3	26,082
1970	4,680	83,787	17.9	52,592	11.2	80,707	17.2	51,743	11.1	28,964
1971	4,723	81,409	17.2	51,810	11.0	78,375	16.6	50,811	10.8	27,564
1972	4,753	75,127	15.8	53,249	11.2	72,597	15.3	52,287	11.0	20,310
1973	4,775	70,808	14.8	53,003	11.1	68,605	14.4	51,812	10.9	16,793
1974	4,785	71,875	15.0	51,656	10.8	69,412	14.5	50,504	10.6	18,908
1975	4,795	70,786	14.8	49,986	10.4	68,442	14.3	48,984	10.2	19,458
1976	4,824	71,319	14.8	50,074	10.4	68,781	14.3	49,008	10.2	19,773
1977	4,845	75,689	15.6	49,839	10.3	72,957	15.1	48,761	10.1	24,196
1978	4,871	75,283	15.5	50,439	10.4	72,654	14.9	49,207	10.1	23,447
1979	4,889	78,562	16.1	48,946	10.0	76,056	15.6	47,656	9.7	28,400
1980	4,917	80,770	16.4	50,504	10.3	78,588	16.0	49,334	10.0	29,254
1981	4,932	78,538	15.9	49,780	10.1	76,758	15.6	48,645	9.9	28,113
1982	4,930	78,334	15.9	49,145	10.0	76,648	15.5	48,126	9.8	28,522
1983	4,944	77,061	15.6	50,540	10.2	75,505	15.3	49,381	10.0	26,124
1984	4,976	76,293	15.3	50,232	10.1	74,422	15.0	48,890	9.8	25,532

**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2019**

Year	Estimated Mid-Year Population (Thousands)	Recorded				Resident				Natural Increase
		Births		Deaths		Births		Deaths		
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	
1985	5,002	78,760	15.7	51,635	10.3	76,697	15.3	50,098	10.0	26,599
1986	5,024	77,105	15.3	51,350	10.2	75,116	15.0	49,971	9.9	25,145
1987	5,057	76,909	15.2	52,016	10.3	74,830	14.8	50,362	10.0	24,468
1988	5,083	78,331	15.4	52,265	10.3	76,101	15.0	50,619	10.0	25,482
1989	5,096	79,866	15.7	51,679	10.1	77,755	15.3	50,169	9.8	27,586
1990	5,117	81,416	15.9	51,786	10.1	79,135	15.5	50,212	9.8	28,923
1991	5,171	81,076	15.7	52,362	10.1	78,468	15.2	50,711	9.8	27,757
1992	5,217	78,720	15.1	52,513	10.1	76,005	14.6	50,893	9.8	25,112
1993	5,271	77,986	14.8	55,322	10.5	75,146	14.3	53,655	10.2	21,491
1994	5,324	76,381	14.3	55,398	10.4	73,279	13.8	53,611	10.1	19,668
1995	5,378	75,980	14.1	56,062	10.4	72,804	13.5	54,222	10.1	18,582
1996	5,432	76,504	14.1	55,517	10.2	73,733	13.6	53,766	9.9	19,967
1997	5,481	76,650	14.0	55,887	10.2	73,940	13.5	54,203	9.9	19,737
1998	5,522	77,701	14.1	56,708	10.3	75,242	13.6	54,849	9.9	20,393
1999	5,562	77,371	13.9	57,621	10.4	75,366	13.6	55,732	10.0	19,634
2000	5,597	78,302	14.0	56,395	10.1	76,329	13.6	54,602	9.8	21,727
2001	5,641	76,690	13.6	56,343	10.0	75,290	13.3	54,601	9.7	20,689
2002	5,675	76,366	13.5	57,406	10.1	75,167	13.2	55,637	9.8	19,530
2003	5,709	77,878	13.6	56,903	10.0	76,960	13.5	55,195	9.7	21,765
2004	5,748	78,591	13.7	55,363	9.6	77,709	13.5	53,787	9.4	23,922
2005	5,790	79,525	13.7	56,091	9.7	78,547	13.6	54,324	9.4	24,223
2006	5,843	82,456	14.1	56,279	9.6	81,353	13.9	54,475	9.3	26,878
2007	5,888	82,823	14.1	55,888	9.5	81,883	13.9	53,937	9.2	27,946
2008	5,924	81,991	13.8	58,377	9.9	80,944	13.7	56,278	9.5	24,666
2009	5,961	79,593	13.4	56,148	9.4	78,849	13.2	54,064	9.1	24,785
2010	5,989	77,588	13.0	57,303	9.6	76,718	12.8	55,054	9.2	21,664
2011	6,010	77,135	12.8	57,794	9.6	76,069	12.7	55,599	9.3	20,470
2012	6,024	76,411	12.7	58,117	9.6	75,400	12.5	55,783	9.3	19,617
2013	6,041	76,390	12.6	59,456	9.8	75,244	12.5	57,256	9.5	17,988
2014	6,056	76,725	12.7	60,297	10.0	75,104	12.4	58,141	9.6	16,963
2015	6,072	76,169	12.5	61,995	10.2	75,042	12.4	59,810	9.9	15,232
2016	6,087	75,863	12.5	61,888	10.2	74,664	12.3	59,824	9.8	14,840
2017	6,107	73,868	12.1	64,202	10.5	73,017	12.0	61,866	10.1	11,151
2018	6,122	74,099	12.1	65,507	10.7	73,281	12.0	63,110	10.3	10,171
2019	6,137	72,912	11.9	64,777	10.6	72,103	11.7	62,155	10.1	9,948

Graph B. Total Fertility Rates: Missouri, 1911-2019

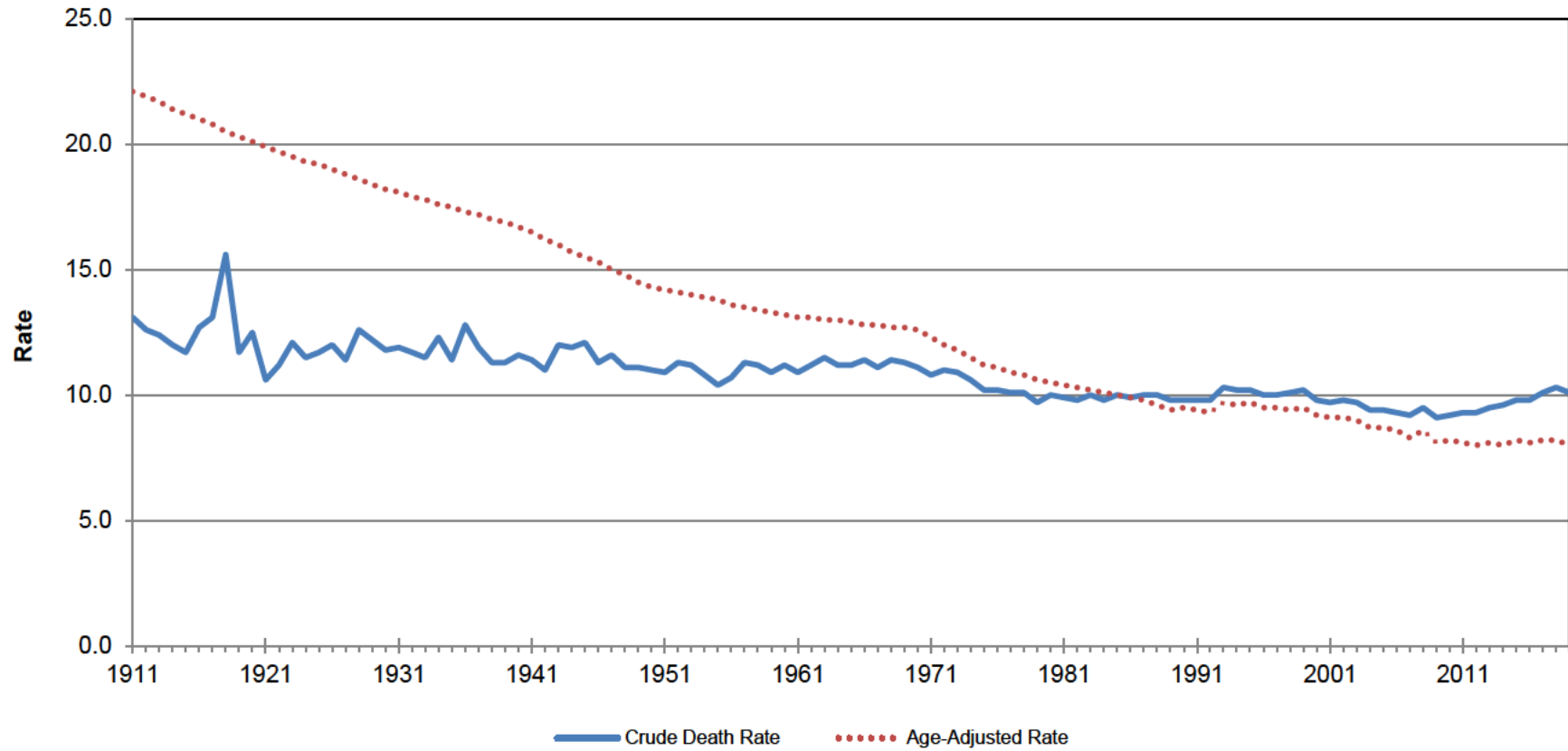


Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate
1911	2.71	1945	2.16	1980	1.90	2015	1.87
1915	2.55	1950	2.92	1985	1.85	2016	1.86
1920	2.33	1955	3.39	1990	2.00	2017	1.81
1925	2.37	1960	3.63	1995	1.89	2018	1.82
1930	2.09	1965	2.79	2000	2.00	2019	1.79
1935	1.99	1970	2.40	2005	2.03		
1940	2.02	1975	1.76	2010	1.94		

**Table 3. Fertility Rates per 1,000 Females by Age of Mother: Missouri, 1911-2019**

Year	General Fertility Rate	Age of Mother									
		Under 15	15-19			20-24	25-29	30-34	35-39	40-44	45+
			Total	15-17	18-19						
1911	93.3	0.4	48.8	---	---	134.2	133.5	109.6	77.7	33.5	3.8
1915	88.8	0.3	50.4	---	---	136.4	126.2	97.5	67.7	27.7	3.2
1920	80.6	0.4	49.6	---	---	129.3	113.3	85.0	59.6	25.0	3.0
1925	81.1	0.4	56.7	---	---	129.5	120.2	83.8	57.7	22.5	2.4
1930	71.1	0.5	54.1	---	---	115.5	103.6	79.8	46.7	18.3	2.0
1935	68.0	0.5	52.5	---	---	116.0	96.9	69.3	43.6	16.8	1.6
1940	69.1	0.4	54.5	---	---	123.6	104.8	69.8	37.1	13.2	1.4
1945	73.2	0.5	50.2	---	---	121.7	114.2	81.4	47.5	14.9	1.2
1950	98.6	0.9	82.6	---	---	189.5	153.4	95.2	48.1	14.0	1.0
1955	112.3	0.8	95.3	---	---	229.0	174.2	106.9	55.7	15.2	1.0
1960	118.1	0.9	99.0	---	---	254.4	187.5	110.5	56.5	16.5	1.0
1965	93.0	0.9	75.1	---	---	188.7	146.5	87.1	45.0	13.5	0.8
1970	85.6	1.1	71.8	---	---	163.3	137.2	67.7	30.1	8.8	0.5
1975	65.9	1.3	60.0	41.1	89.0	110.1	106.6	51.1	18.8	4.6	0.2
1980	70.6	1.2	57.5	35.6	88.0	121.9	116.9	60.5	18.3	3.7	0.2
1985	66.4	1.2	52.4	30.5	83.8	115.9	113.0	63.4	19.7	3.2	0.2
1990	67.9	1.2	62.7	39.2	92.9	118.9	117.3	70.5	25.3	4.1	0.1
1995	61.0	1.1	55.1	32.3	91.2	108.3	108.9	72.4	27.6	4.5	0.2
2000	63.3	0.7	48.6	26.7	80.4	115.2	115.4	82.9	31.4	5.8	0.4
2001	62.5	0.6	45.9	23.2	79.9	109.3	117.8	83.2	31.9	5.7	0.3
2002	62.6	0.6	43.7	21.9	76.6	108.3	116.4	84.2	33.1	5.9	0.4
2003	64.2	0.6	42.7	21.2	74.8	109.4	122.0	86.3	34.0	6.1	0.3
2004	65.0	0.7	42.8	21.4	74.4	108.4	121.4	87.1	36.2	6.4	0.4
2005	65.8	0.5	41.6	20.6	73.4	110.1	123.4	87.0	36.3	6.4	0.3
2006	68.2	0.5	44.0	22.4	77.0	114.4	124.8	89.3	37.1	6.6	0.4
2007	68.8	0.5	44.0	21.2	78.7	115.1	124.6	90.0	36.7	6.5	0.4
2008	68.4	0.5	43.5	21.3	75.8	111.3	122.1	90.4	36.5	6.8	0.4
2009	66.8	0.4	40.6	19.4	70.4	107.5	117.5	89.9	36.3	6.7	0.3
2010	65.2	0.4	37.0	17.0	65.0	100.0	116.6	90.2	36.0	7.2	0.4
2011	64.7	0.3	34.5	15.8	61.1	96.3	115.1	91.1	37.4	7.3	0.3
2012	64.3	0.4	32.2	13.9	58.9	93.3	115.1	91.4	37.8	7.5	0.4
2013	64.1	0.2	30.0	12.6	55.9	90.4	116.6	92.5	39.0	7.0	0.4
2014	64.0	0.3	27.2	11.7	50.7	88.9	115.6	94.8	39.7	7.5	0.4
2015	64.0	0.2	25.1	10.4	47.8	87.6	115.4	96.6	41.3	7.1	0.4
2016	63.8	0.2	23.4	9.4	44.9	85.4	113.9	97.8	42.7	8.1	0.4
2017	62.4	0.1	22.5	8.6	43.6	82.3	109.9	96.7	42.6	8.1	0.5
2018	62.5	0.2	21.6	8.6	41.0	82.1	110.3	97.7	42.8	8.8	0.5
2019	61.3	0.2	20.3	7.6	39.2	79.5	108.7	97.2	43.0	8.4	0.5

**Graph C. Crude and Age-Adjusted Death Rates\* per 1,000 Population: Missouri, 1911-2019**



Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.
1911	13.1	22.1	1945	12.1	15.5	1980	10.0	10.5	2015	9.8	8.2
1915	11.7	21.2	1950	11.0	14.3	1985	10.0	10.0	2016	9.8	8.1
1920	12.5	20.1	1955	10.4	13.8	1990	9.8	9.5	2017	10.1	8.2
1925	11.7	19.2	1960	11.2	13.2	1995	10.2	9.7	2018	10.3	8.2
1930	11.8	18.2	1965	11.2	12.9	2000	9.8	9.2	2019	10.1	8.0
1935	11.4	17.5	1970	11.1	12.6	2005	9.4	8.7			
1940	11.6	16.7	1975	10.2	11.2	2010	9.2	8.2			

\*United States 2000 population distribution used as the standard.

**Table 4. Age-Specific Death Rates per 1,000 Population: Missouri, 1911-2019**

Year	Total*	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1911	22.1	99.6	12.3	2.7	4.8	6.9	8.8	13.5	24.4	52.4	118.8	247.6
1920	20.1	87.1	10.4	2.8	5.0	7.0	7.9	11.2	21.1	47.0	104.2	249.0
1930	18.2	63.9	5.1	1.8	3.3	4.4	6.4	11.9	22.2	49.5	110.0	190.0
1940	16.7	51.6	3.3	1.0	1.9	2.8	4.9	9.8	20.4	44.8	110.0	207.2
1950	14.3	33.4	1.5	0.6	1.2	1.7	3.4	8.1	18.1	38.9	94.3	210.4
1960	13.2	25.5	1.0	0.4	1.1	1.5	2.9	7.2	16.6	37.1	86.5	201.1
1970	12.6	20.8	0.8	0.4	1.4	1.6	3.2	7.2	16.6	35.8	81.8	181.9
1975	11.2	16.4	0.6	0.3	1.2	1.4	2.6	6.5	14.6	32.4	71.9	170.6
1980	10.5	12.3	0.7	0.3	1.3	1.3	2.2	5.8	13.4	30.5	67.1	162.4
1985	10.0	10.2	0.5	0.2	1.0	1.2	1.8	5.1	13.3	28.5	65.8	161.4
1990	9.4	9.4	0.5	0.3	1.1	1.3	2.0	4.5	12.5	26.8	60.9	154.5
1995	9.7	7.4	0.4	0.3	1.1	1.4	2.3	4.8	11.7	27.3	60.9	159.5
1996	9.5	7.6	0.4	0.3	1.0	1.2	2.3	4.5	11.2	26.5	60.6	158.2
1997	9.5	7.6	0.4	0.2	1.0	1.2	2.0	4.5	11.5	26.6	59.7	160.8
1998	9.4	7.6	0.4	0.2	0.9	1.2	2.1	4.4	11.0	26.5	60.6	163.5
1999	9.5	7.7	0.3	0.2	0.9	1.2	2.2	4.4	10.9	26.7	61.3	165.5
2000	9.2	7.2	0.3	0.2	1.0	1.1	2.1	4.4	10.6	25.5	59.5	162.2
2001	9.1	7.4	0.4	0.2	1.0	1.1	2.2	4.4	10.2	24.8	59.0	161.9
2002	9.1	8.5	0.4	0.2	1.0	1.1	2.2	4.6	10.1	25.0	59.1	164.3
2003	9.0	7.8	0.4	0.2	0.9	1.1	2.2	4.7	10.1	24.3	58.0	160.8
2004	8.7	7.5	0.4	0.2	0.9	1.1	2.1	4.5	9.9	23.3	56.0	154.9
2005	8.7	7.5	0.3	0.2	1.0	1.2	2.2	4.8	9.5	22.8	56.0	153.9
2006	8.6	7.4	0.3	0.2	1.0	1.3	2.2	4.7	9.6	22.2	54.6	151.8
2007	8.3	7.5	0.4	0.2	0.9	1.2	2.0	4.6	9.1	21.6	53.6	150.2
2008	8.6	7.2	0.3	0.2	0.9	1.2	2.1	4.8	9.7	21.7	54.7	156.1
2009	8.1	7.2	0.4	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.8	142.5
2010	8.2	6.6	0.2	0.1	0.9	1.3	2.1	4.7	9.3	20.8	51.6	146.9
2011	8.1	6.3	0.3	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.0	144.1
2012	8.0	6.6	0.3	0.2	0.8	1.3	2.0	4.7	9.4	20.1	50.2	141.1
2013	8.1	6.5	0.3	0.2	0.8	1.2	2.1	4.7	9.8	20.1	50.6	143.0
2014	8.0	6.1	0.3	0.1	0.8	1.3	2.1	4.9	10.1	20.2	50.5	139.4
2015	8.2	6.5	0.3	0.2	0.9	1.4	2.2	4.8	10.3	20.3	50.9	142.1
2016	8.1	6.6	0.3	0.1	1.0	1.6	2.4	4.7	10.0	20.0	49.4	138.9
2017	8.2	6.2	0.3	0.2	1.0	1.6	2.4	4.6	10.2	20.8	50.5	139.8
2018	8.2	6.3	0.3	0.1	1.0	1.7	2.5	4.9	10.5	20.6	49.5	139.6
2019	8.0	6.0	0.3	0.2	1.0	1.6	2.5	4.7	10.3	20.3	47.6	134.7

\*Age-Adjusted Death Rate using United States 2000 population distribution as the standard.

**Table 5A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2019**

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Total</b>	72,103	52,346	10,475	4,828	4,383
<b>Gender</b>					
Male	37,045	27,090	5,239	2,478	2,201
Female	35,058	25,256	5,236	2,350	2,182
<b>Attendant</b>					
MD	55,067	38,866	9,123	3,816	3,224
DO	12,161	9,598	957	744	853
CNM/CM	3,671	2,789	350	242	280
CPM	557	507	14	15	14
Other Midwife	363	356	4	1	2
Other	284	230	27	10	10
<b>Birthplace</b>					
Hospital	70,402	50,835	10,401	4,773	4,337
Birthing Center	239	191	22	13	12
Clinic	230	212	4	4	7
Home Residence	1,069	968	38	29	24
...Planned	970	910	15	19	18
...Unplanned	87	52	21	8	4
Other	163	140	10	9	3
<b>Month of Birth</b>					
January	5,893	4,214	940	371	363
February	5,317	3,857	759	370	324
March	5,812	4,226	835	416	330
April	5,886	4,319	826	379	356
May	6,221	4,626	873	372	343
June	5,893	4,285	811	411	385
July	6,423	4,709	928	397	379
August	6,643	4,839	924	469	407
September	6,221	4,516	899	397	406
October	6,270	4,568	887	431	374
November	5,689	4,055	892	380	354
December	5,835	4,132	901	435	362
<b>Number Born</b>					
Singleton	69,580	50,492	10,078	4,668	4,273
Twin	2,481	1,821	394	160	104
Triplet	42	33	3	0	6
Quadruplet or More	0	0	0	0	0

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Previous Non-Live Birth Outcomes</b>					
None	49,277	36,163	6,496	3,425	3,148
One	14,583	10,337	2,485	921	834
Two or More	7,939	5,624	1,452	466	385
Unknown	304	222	42	16	16
<b>Maternal Smoking</b>					
Non-smoker	59,116	41,982	9,000	4,135	3,946
3 Months Prior	12,267	9,991	1,266	632	373
During Pregnancy	9,133	7,478	946	472	234
...First Trimester	8,872	7,274	911	456	228
...Second Trimester	7,556	6,239	753	381	182
...Last 3 Months	7,075	5,876	684	355	159
...Smoked Pack per Day	1,403	1,161	141	69	32
...Quit Smoking	2,032	1,581	258	117	74
Status Unknown	574	268	186	48	59
<b>Full-Term Singleton Maternal Weight Gain</b>					
Less than 15 Pounds	8,945	5,776	1,841	612	707
15 to 24 Pounds	10,177	7,190	1,472	737	772
25 to 34 Pounds	16,271	12,405	1,799	1,110	944
35 to 44 Pounds	13,349	10,312	1,475	865	691
45 or More Pounds	12,952	9,771	1,755	787	629
Unknown	1,611	946	387	119	146
<b>Maternal Weight Status Before Pregnancy</b>					
Underweight	2,445	1,733	354	250	105
Normal	29,297	22,295	3,298	2,152	1,532
Overweight	17,881	12,889	2,576	1,187	1,220
Obese	21,356	14,935	3,948	1,143	1,315
<b>Principal Payment Source</b>					
Medicaid	27,486	16,144	6,796	2,038	2,492
Private Insurance	39,624	32,535	3,100	2,488	1,468
Self-pay	2,791	2,054	294	161	271
Other	1,306	909	201	93	102
Unknown	896	704	84	48	50

\* Includes births to mothers of multiple races, but not mothers of unknown race.

**Table 5B. Resident Live Births by Selected Obstetric, Pediatric, and Maternal Conditions and Procedures: Missouri, 2019**

	Number	Percent
<b>Live Births</b>	72,103	100.0
<b>Pregnancy Risk Factors</b>	24,488	34.0
...Prepregnancy Diabetes	754	1.0
...Gestational Diabetes	5,296	7.3
...Insulin-dependent Diabetes	1,181	1.6
...Prepregnancy Hypertension	2,263	3.1
...Gestational Hypertension	6,257	8.7
...Eclampsia	463	0.6
...Previous Preterm Births	3,445	4.8
...Other Poor Pregnancy Outcomes	1,457	2.0
...Infertility Treatment	1,287	1.8
...Previous Cesarean Delivery	10,435	14.5
<b>Infections</b>	2,582	3.6
...Gonorrhea	368	0.5
...Syphilis	120	0.2
...Chlamydia	1,671	2.3
...Hepatitis B	92	0.1
...Hepatitis C	552	0.8
...HIV	58	0.1
<b>Obstetric Procedures</b>	909	1.3
...Cervical Cerclage	260	0.4
...Tocolysis	405	0.6
...External Cephalic Version	286	0.4
.....Successful*	143	50.0
<b>Onset of Labor</b>	8,029	11.1
...Premature Membrane Rupture	2,893	4.0
...Precipitous Labor	4,103	5.7
...Prolonged Labor	1,314	1.8

	Number	Percent
<b>Characteristics of Labor</b>	64,671	89.7
...Induction of Labor	28,456	39.5
...Augmentation of Labor	16,430	22.8
...Non-vertex Presentation	1,599	2.2
...Steroids for Lung Maturation	3,566	4.9
...Antibiotics for Mother	21,226	29.4
...Clinical Chorioamnionitis	916	1.3
...Meconium Staining	2,915	4.0
...Fetal Intolerance of Labor	4,042	5.6
...Epidural Given	57,094	79.2
<b>Final Delivery Route and</b>		
...Vaginal/Spontaneous	48,317	67.0
...Vaginal/Forceps	384	0.5
...Vaginal/Vacuum	1,651	2.3
...Cesarean	21,640	30.0
.....Vaginal Trial Prior to Cesarean**	6,671	30.8
...Attempted Forceps (unsuccessful)	231	0.3
...Attempted Vacuum (unsuccessful)	511	0.7
...Vaginal After Previous Cesarean (VBAC)***	1,745	16.7
<b>Fetal Presentation:</b>		
...Cephalic	67,980	94.3
...Breech	2,977	4.1
...Other	546	0.8

	Number	Percent
<b>Abnormal Conditions of</b>	9,615	13.3
...Assisted Ventilation	5,255	7.3
...Assisted Ventilation, Long-term	1,552	2.2
...NICU Admission	6,977	9.7
...Surfactant Therapy	576	0.8
...Antibiotics for Suspected Sepsis	1,538	2.1
...Seizures or Neurological Problems	44	0.1
...Birth Injury	53	0.1
<b>Congenital Anomalies</b>	325	0.5
...Anencephaly	11	0.0
...Spina Bifida	14	0.0
...Cyanotic Heart Disease	38	0.1
...Diaphragmatic Hernia	9	0.0
...Omphalocele	12	0.0
...Gastrochisis	34	0.0
...Limb Reduction	8	0.0
...Cleft Lip (with or without Cleft Palate)	46	0.1
...Cleft Palate (alone)	23	0.0
...Down Syndrome	35	0.0
...Other Chromosomal	24	0.0
...Hypospadias	87	0.1
<b>Maternal Morbidity</b>	1,127	1.6
...Maternal Transfusion	329	0.5
...Perinatal Laceration (3rd	535	0.7
...Ruptured Uterus	37	0.1
...Unplanned Hysterectomy	26	0.0
...Admission to ICU	127	0.2
...Unplanned OR Procedure	218	0.3

\* Percent of External Cephalic Version

\*\* Percent of Cesarean Births

\*\*\* Percent of Previous Cesarean Deliveries



**Table 6. Resident Live Births by Race and Age of Mother by Marital Status and Live Birth Order: Missouri, 2019**

		All Live Births						Out-of-Wedlock Births					
		Total	Live Birth Order					Total	Live Birth Order				
			1st	2nd	3rd	4th	5th or More		1st	2nd	3rd	4th	5th or More
<b>All Races</b>	<b>All Ages</b>	72,103	26,617	22,728	12,768	5,699	4,291	29,133	12,188	8,164	4,771	2,287	1,723
	Under 15	41	41	0	0	0	0	41	41	0	0	0	0
	15-17	860	800	60	0	0	0	833	780	53	0	0	0
	18-19	2,988	2,457	470	54	5	2	2,641	2,215	377	44	3	2
	20-24	15,781	8,152	5,121	1,858	511	139	10,232	5,402	3,237	1,199	310	84
	25-29	22,822	8,149	7,568	4,296	1,798	1,011	8,559	2,413	2,791	1,905	901	549
	30-34	19,443	5,085	6,597	4,225	1,996	1,540	4,516	899	1,220	1,096	688	613
	35-39	8,568	1,640	2,532	2,019	1,159	1,218	1,875	335	409	456	305	370
	40-44	1,508	266	364	307	221	350	409	91	77	69	76	96
	45 and Over	84	22	14	9	9	30	23	8	0	2	4	9
	Unknown	8	5	2	0	0	1	4	4	0	0	0	0
<b>White, Non-Hispanic</b>	<b>All Ages</b>	52,346	19,591	17,008	9,245	3,848	2,654	16,878	7,522	4,815	2,614	1,174	753
	Under 15	17	17	0	0	0	0	17	17	0	0	0	0
	15-17	473	441	32	0	0	0	455	428	27	0	0	0
	18-19	1,903	1,586	282	33	2	0	1,623	1,395	203	24	1	0
	20-24	10,802	5,698	3,509	1,203	319	73	6,168	3,363	1,948	664	158	35
	25-29	16,710	6,326	5,667	2,988	1,158	571	4,769	1,453	1,601	1,019	458	238
	30-34	14,970	4,058	5,310	3,245	1,398	959	2,571	588	747	611	357	268
	35-39	6,392	1,274	1,930	1,545	839	804	1,050	217	246	253	161	173
	40-44	1,017	176	264	223	128	226	210	55	43	42	37	33
	45 and Over	57	13	12	8	4	20	13	4	0	1	2	6
	Unknown	5	2	2	0	0	1	2	2	0	0	0	0
<b>Black, Non-Hispanic</b>	<b>All Ages</b>	10,475	3,503	2,864	1,957	1,102	1,049	8,108	2,922	2,202	1,467	798	719
	Under 15	15	15	0	0	0	0	15	15	0	0	0	0
	15-17	231	213	18	0	0	0	230	213	17	0	0	0
	18-19	598	472	111	12	1	2	587	462	110	12	1	2
	20-24	2,825	1,382	894	374	128	47	2,584	1,284	813	340	106	41
	25-29	3,426	864	1,021	799	425	317	2,689	653	803	645	342	246
	30-34	2,159	368	547	509	357	378	1,358	199	333	331	241	254
	35-39	984	145	228	229	148	234	521	74	103	127	88	129
	40-44	222	38	43	34	41	66	120	21	23	12	19	45
	45 and Over	14	5	2	0	2	5	4	1	0	0	1	2
	Unknown	1	1	0	0	0	0	0	0	0	0	0	0

**Table 7. Teen-Age Resident Live Births by Race and Age of Mother by Marital Status  
and Live Birth Order with Percentages: Missouri, 2019**

		All Live Births				Out-of-Wedlock Births				Percent Out-of-Wedlock			
		Total	Live Birth Order			Total	Live Birth Order			Total	Live Birth Order		
			1st	2nd	3rd or More		1st	2nd	3rd or More		1st	2nd	3rd or More
<b>All Races</b>	<b>All Ages</b>	3,889	3,298	530	61	3,515	3,036	430	49	90.4	92.1	81.1	80.3
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	9	9	0	0	9	9	0	0	100.0	100.0	---	---
	14	32	32	0	0	32	32	0	0	100.0	100.0	---	---
	15	95	91	4	0	94	90	4	0	98.9	98.9	100.0	---
	16	243	235	8	0	239	233	6	0	98.4	99.1	75.0	---
	17	522	474	48	0	500	457	43	0	95.8	96.4	89.6	---
	18	1,084	939	128	17	1,008	880	113	15	93.0	93.7	88.3	88.2
	19	1,904	1,518	342	44	1,633	1,335	264	34	85.8	87.9	77.2	77.3
<b>White, Non-Hispanic</b>	<b>All Ages</b>	2,393	2,044	314	35	2,095	1,840	230	25	87.5	90.0	73.2	71.4
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	2	2	0	0	2	2	0	0	100.0	100.0	---	---
	14	15	15	0	0	15	15	0	0	100.0	100.0	---	---
	15	40	37	3	0	40	37	3	0	100.0	100.0	100.0	---
	16	134	129	5	0	131	128	3	0	97.8	99.2	60.0	---
	17	299	275	24	0	284	263	21	0	95.0	95.6	87.5	---
	18	647	576	63	8	589	530	53	6	91.0	92.0	84.1	75.0
	19	1,256	1,010	219	27	1,034	865	150	19	82.3	85.6	68.5	70.4
<b>Black, Non-Hispanic</b>	<b>All Ages</b>	844	700	129	15	832	690	127	15	98.6	98.6	98.4	100.0
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	5	5	0	0	5	5	0	0	100.0	100.0	---	---
	14	10	10	0	0	10	10	0	0	100.0	100.0	---	---
	15	32	31	1	0	32	31	1	0	100.0	100.0	100.0	---
	16	64	63	1	0	64	63	1	0	100.0	100.0	100.0	---
	17	135	119	16	0	134	119	15	0	99.3	100.0	93.8	---
	18	231	184	44	3	229	183	43	3	99.1	99.5	97.7	100.0
	19	367	288	67	12	358	279	67	12	97.5	96.9	100.0	100.0

**Table 8. Percent Resident Low Birth Weight and Resident Live Births by Birth Weight  
by Race and Age of Mother: Missouri, 2019**

		Percent Low Birth Weight	Total	Birth Weight (Grams)										Unknown
				Less Than 500	500-999	1000- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500 or More	
<b>All Races</b>	<b>All Ages</b>	8.9	72,103	109	380	551	1,304	4,035	13,296	27,581	19,219	4,911	687	30
	<b>Under 15</b>	14.6	41	0	1	0	3	2	6	18	9	2	0	0
	<b>15-17</b>	11.2	860	1	2	13	17	63	215	358	157	30	4	0
	<b>18-19</b>	10.5	2,988	5	23	23	71	192	719	1,190	637	118	10	0
	<b>20-24</b>	8.9	15,781	27	79	131	281	883	3,283	6,259	3,868	854	108	8
	<b>25-29</b>	8.3	22,822	38	113	164	372	1,202	4,100	8,893	6,168	1,545	216	11
	<b>30-34</b>	8.6	19,443	22	88	135	360	1,066	3,171	7,264	5,583	1,514	233	7
	<b>35-39</b>	9.4	8,568	13	55	68	171	496	1,479	3,065	2,384	738	97	2
	<b>40 and Over</b>	12.5	1,592	3	19	17	29	131	320	533	410	110	19	1
<b>White, Non-Hispanic</b>	<b>All Ages</b>	7.5	52,346	53	219	328	817	2,487	8,554	19,977	15,205	4,111	575	20
	<b>Under 15</b>	23.5	17	0	1	0	2	1	2	6	4	1	0	0
	<b>15-17</b>	10.6	473	1	0	5	10	34	99	198	101	22	3	0
	<b>18-19</b>	8.8	1,903	2	16	14	38	97	424	758	457	88	9	0
	<b>20-24</b>	7.2	10,802	14	49	76	159	477	1,984	4,284	2,956	708	89	6
	<b>25-29</b>	7.0	16,710	18	68	92	244	749	2,650	6,517	4,879	1,311	174	8
	<b>30-34</b>	7.3	14,970	9	43	86	237	720	2,210	5,569	4,618	1,270	203	5
	<b>35-39</b>	8.2	6,392	8	35	43	109	327	981	2,301	1,891	618	78	1
	<b>40 and Over</b>	11.2	1,074	1	7	12	18	82	202	343	297	93	19	0
<b>Black, Non-Hispanic</b>	<b>All Ages</b>	15.8	10,475	48	104	162	329	1,010	2,813	3,962	1,719	287	38	3
	<b>Under 15</b>	6.7	15	0	0	0	0	1	2	8	4	0	0	0
	<b>15-17</b>	13.9	231	0	1	6	5	20	71	100	26	2	0	0
	<b>18-19</b>	17.4	598	3	5	6	21	69	178	236	70	10	0	0
	<b>20-24</b>	15.3	2,825	9	21	37	84	280	843	1,098	394	54	5	0
	<b>25-29</b>	14.4	3,426	18	32	57	89	296	920	1,318	597	86	12	1
	<b>30-34</b>	16.8	2,159	12	28	34	83	206	503	799	384	93	15	2
	<b>35-39</b>	18.9	984	4	8	20	42	112	234	320	202	36	6	0
	<b>40 and Over</b>	18.6	236	2	9	2	5	26	62	83	41	6	0	0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2019**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
<b>State Total</b>	72,103	52,346	10,475	29,133	16,878	8,108	40.4	32.2	77.4
Adair	301	246	36	92	77	9	30.6	31.3	25.0
Andrew	217	206	0	73	67	0	33.6	32.5	---
Atchison	46	45	0	14	14	0	30.4	31.1	---
Audrain	292	252	18	133	103	17	45.5	40.9	94.4
Barry	383	283	0	155	107	0	40.5	37.8	---
Barton	119	116	0	42	40	0	35.3	34.5	---
Bates	190	179	1	70	65	0	36.8	36.3	0.0
Benton	158	148	0	64	60	0	40.5	40.5	---
Bollinger	135	132	0	37	37	0	27.4	28.0	---
Boone	2,075	1,466	279	685	360	200	33.0	24.6	71.7
Buchanan	1,042	806	46	536	403	37	51.4	50.0	80.4
Butler	546	468	41	298	236	37	54.6	50.4	90.2
Caldwell	101	96	0	34	33	0	33.7	34.4	---
Callaway	501	447	15	213	172	14	42.5	38.5	93.3
Camden	363	326	2	137	119	2	37.7	36.5	100.0
Cape Girardeau	850	663	112	334	205	95	39.3	30.9	84.8
Carroll	89	86	0	37	35	0	41.6	40.7	---
Carter	70	68	0	33	33	0	47.1	48.5	---
Cass	1,165	997	53	401	332	25	34.4	33.3	47.2
Cedar	188	181	0	74	71	0	39.4	39.2	---
Chariton	98	93	2	27	23	1	27.6	24.7	50.0
Christian	1,092	995	9	278	250	3	25.5	25.1	33.3
Clark	75	75	0	25	25	0	33.3	33.3	---
Clay	3,096	2,266	314	1,000	612	175	32.3	27.0	55.7
Clinton	235	213	0	100	85	0	42.6	39.9	---
Cole	819	611	117	305	185	83	37.2	30.3	70.9
Cooper	201	175	10	80	61	9	39.8	34.9	90.0
Crawford	256	242	2	126	117	1	49.2	48.3	50.0
Dade	69	67	0	27	25	0	39.1	37.3	---
Dallas	219	209	0	70	69	0	32.0	33.0	---
Daviess	119	114	0	28	27	0	23.5	23.7	---
Dekalb	81	75	1	25	22	1	30.9	29.3	100.0
Dent	138	128	1	57	53	1	41.3	41.4	100.0
Douglas	121	114	1	41	39	0	33.9	34.2	0.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2019**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Dunklin	359	250	70	207	120	61	57.7	48.0	87.1
Franklin	1,222	1,151	4	464	429	3	38.0	37.3	75.0
Gasconade	157	149	0	58	55	0	36.9	36.9	---
Gentry	96	95	0	22	21	0	22.9	22.1	---
Greene	3,418	2,826	133	1,367	1,058	100	40.0	37.4	75.2
Grundy	123	117	0	34	34	0	27.6	29.1	---
Harrison	92	86	0	31	28	0	33.7	32.6	---
Henry	318	293	2	154	137	1	48.4	46.8	50.0
Hickory	73	71	0	23	23	0	31.5	32.4	---
Holt	46	43	0	14	13	0	30.4	30.2	---
Howard	114	105	4	42	37	4	36.8	35.2	100.0
Howell	465	438	2	177	164	1	38.1	37.4	50.0
Iron	107	103	0	55	53	0	51.4	51.5	---
Jackson	8,850	4,506	2,373	4,394	1,448	1,847	49.6	32.1	77.8
Jasper	1,539	1,198	25	692	490	21	45.0	40.9	84.0
Jefferson	2,507	2,321	53	951	862	29	37.9	37.1	54.7
Johnson	690	566	28	180	139	15	26.1	24.6	53.6
Knox	61	59	0	15	14	0	24.6	23.7	---
Laclede	494	462	3	214	193	2	43.3	41.8	66.7
Lafayette	405	375	2	172	154	2	42.5	41.1	100.0
Lawrence	493	424	3	191	156	2	38.7	36.8	66.7
Lewis	99	93	3	35	32	1	35.4	34.4	33.3
Lincoln	817	767	7	313	282	6	38.3	36.8	85.7
Linn	141	129	0	63	55	0	44.7	42.6	---
Livingston	153	142	2	71	64	2	46.4	45.1	100.0
Macon	164	157	2	54	47	2	32.9	29.9	100.0
Madison	124	119	1	50	47	1	40.3	39.5	100.0
Maries	91	87	1	31	29	1	34.1	33.3	100.0
Marion	360	304	30	151	111	24	41.9	36.5	80.0
McDonald	308	194	16	139	85	3	45.1	43.8	18.8
Mercer	47	44	1	9	8	1	19.1	18.2	100.0
Miller	300	285	3	122	112	3	40.7	39.3	100.0
Mississippi	152	113	36	94	58	34	61.8	51.3	94.4
Moniteau	186	166	1	56	45	1	30.1	27.1	100.0
Monroe	90	81	4	29	24	1	32.2	29.6	25.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2019**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Montgomery	127	122	0	53	50	0	41.7	41.0	---
Morgan	234	225	0	76	70	0	32.5	31.1	---
New Madrid	246	177	55	138	88	43	56.1	49.7	78.2
Newton	706	544	6	279	194	2	39.5	35.7	33.3
Nodaway	210	199	0	75	71	0	35.7	35.7	---
Oregon	107	106	0	42	41	0	39.3	38.7	---
Osage	143	141	0	27	27	0	18.9	19.1	---
Ozark	66	64	1	28	27	1	42.4	42.2	100.0
Pemiscot	241	128	86	165	69	78	68.5	53.9	90.7
Perry	213	199	0	77	69	0	36.2	34.7	---
Pettis	601	474	26	256	175	23	42.6	36.9	88.5
Phelps	418	351	9	143	126	5	34.2	35.9	55.6
Pike	202	186	4	74	61	4	36.6	32.8	100.0
Platte	1,212	881	117	312	186	47	25.7	21.1	40.2
Polk	438	417	3	133	124	0	30.4	29.7	0.0
Pulaski	720	495	67	214	143	28	29.7	28.9	41.8
Putnam	47	45	0	17	17	0	36.2	37.8	---
Ralls	91	90	1	28	28	0	30.8	31.1	0.0
Randolph	270	246	5	137	119	4	50.7	48.4	80.0
Ray	248	242	0	91	85	0	36.7	35.1	---
Reynolds	68	65	0	27	24	0	39.7	36.9	---
Ripley	156	149	0	76	73	0	48.7	49.0	---
Saline	271	202	8	117	84	6	43.2	41.6	75.0
Schuyler	66	65	0	13	13	0	19.7	20.0	---
Scotland	78	77	0	13	13	0	16.7	16.9	---
Scott	491	377	85	264	171	73	53.8	45.4	85.9
Shannon	88	84	0	33	32	0	37.5	38.1	---
Shelby	72	71	0	19	19	0	26.4	26.8	---
St. Charles	4,306	3,557	233	1,020	732	124	23.7	20.6	53.2
St. Clair	93	91	0	29	29	0	31.2	31.9	---
St. Francois	664	631	3	309	289	3	46.5	45.8	100.0
St. Louis City	3,952	1,346	2,067	2,355	317	1,785	59.6	23.6	86.4
St. Louis County	11,386	5,966	3,790	4,647	1,163	2,982	40.8	19.5	78.7
Ste. Genevieve	205	193	1	80	74	1	39.0	38.3	100.0
Stoddard	336	312	5	141	131	3	42.0	42.0	60.0



**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2019**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Stone	254	229	0	108	100	0	42.5	43.7	---
Sullivan	86	56	4	42	25	1	48.8	44.6	25.0
Taney	626	507	13	293	237	6	46.8	46.7	46.2
Texas	277	262	0	110	104	0	39.7	39.7	---
Vernon	241	227	1	110	102	1	45.6	44.9	100.0
Warren	422	377	11	166	139	9	39.3	36.9	81.8
Washington	276	269	2	139	135	0	50.4	50.2	0.0
Wayne	142	138	1	74	74	0	52.1	53.6	0.0
Webster	619	600	1	161	151	1	26.0	25.2	100.0
Worth	21	20	0	10	10	0	47.6	50.0	---
Wright	256	236	1	87	78	0	34.0	33.1	0.0

Multi-County Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Joplin	671	524	20	323	233	17	48.1	44.5	85.0
...Jasper Co. Part	613	487	18	298	219	16	48.6	45.0	88.9
...Newton Co. Part	58	37	2	25	14	1	43.1	37.8	50.0
Kansas City	6,898	3,178	2,107	3,263	847	1,575	47.3	26.7	74.8
...Jackson Co. Part	4,381	1,487	1,779	2,498	445	1,413	57.0	29.9	79.4
...Clay Co. Part	1,855	1,257	246	587	318	129	31.6	25.3	52.4
...Platte Co. Part	661	434	81	178	84	33	26.9	19.4	40.7
...Cass Co. Part	1	0	1	0	0	0	0.0	---	0.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2019**

Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Ballwin	336	276	10	31	21	3	9.2	7.6	30.0
Blue Springs	629	472	52	203	134	29	32.3	28.4	55.8
Cape Girardeau	407	243	107	215	97	91	52.8	39.9	85.0
Chesterfield	391	248	11	31	16	5	7.9	6.5	45.5
Columbia	1,366	881	234	456	203	162	33.4	23.0	69.2
Florissant	697	240	381	415	96	277	59.5	40.0	72.7
Gladstone	307	211	32	117	73	20	38.1	34.6	62.5
Hazelwood	349	112	188	213	51	141	61.0	45.5	75.0
Independence	1,454	914	177	815	459	141	56.1	50.2	79.7
Jefferson City	470	306	103	208	107	75	44.3	35.0	72.8
Kirkwood	312	251	25	52	21	20	16.7	8.4	80.0
Lee's Summit	948	751	83	201	118	45	21.2	15.7	54.2
Liberty	327	256	21	108	68	17	33.0	26.6	81.0
Maryland Heights	379	177	64	100	40	46	26.4	22.6	71.9
O'Fallon	913	746	32	192	137	16	21.0	18.4	50.0
Raytown	375	149	134	232	64	107	61.9	43.0	79.9
St. Charles	782	604	67	244	166	39	31.2	27.5	58.2
St. Joseph	924	699	45	499	369	36	54.0	52.8	80.0
St. Louis City	3,952	1,346	2,067	2,355	317	1,785	59.6	23.6	86.4
St. Peters	616	513	34	129	99	13	20.9	19.3	38.2
Springfield	1,957	1,528	111	978	723	88	50.0	47.3	79.3
University City	412	207	141	152	21	109	36.9	10.1	77.3
Wentzville	587	505	35	142	100	22	24.2	19.8	62.9
Wildwood	263	220	3	28	26	0	10.6	11.8	0.0



**Table 10A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2019**

		<u>All Races</u>		<u>White, Non-Hisp.</u>		<u>Black, Non-Hisp.</u>		<u>Other, Non-Hisp.*</u>		<u>Hispanic, Any Race</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		72,103	100.0	52,346	100.0	10,475	100.0	4,828	100.0	4,383	100.0
Birth Weight: Under 2500 Grams		6,379	8.9	3,904	7.5	1,653	15.8	478	9.9	337	7.7
Birth Weight: Above 4499 Grams		687	1.0	575	1.1	38	0.4	33	0.7	39	0.9
Gestational Age: Less than 37 Weeks		7,840	10.9	5,226	10.0	1,630	15.6	534	11.1	444	10.1
APGAR (5 Minutes): Less than 8		4,108	5.7	2,811	5.4	792	7.6	289	6.0	213	4.9
Infant Care: NICU Admission		6,977	9.7	4,691	9.0	1,395	13.3	498	10.3	383	8.7
Infant Care: Transfer to Other Facility		1,384	1.9	886	1.7	324	3.1	95	2.0	75	1.7
Place of Birth: At-Home Delivery		1,069	1.5	968	1.8	38	0.4	29	0.6	24	0.5
Method of Delivery: Cesarean		21,640	30.1	15,681	30.0	3,209	30.6	1,507	31.3	1,230	28.1
Infant Care: Breastfed After Delivery		56,063	79.5	41,933	81.9	6,702	65.5	3,905	82.6	3,471	80.7
Maternal Smoking: During Pregnancy		9,133	12.8	7,478	14.4	946	9.2	472	9.9	234	5.4
...Quit Smoking During Pregnancy		2,032	22.2	1,581	21.1	258	27.3	117	24.8	74	31.6
Mat. Weight: Underweight (BMI < 18.5)		2,445	3.4	1,733	3.3	354	3.5	250	5.3	105	2.5
Mat. Weight: Obese (BMI ≥ 30)		21,356	30.1	14,935	28.8	3,948	38.8	1,143	24.2	1,315	31.5
Mat. Sing. Wt. Gain: Low (< 15 lbs)		8,945	14.5	5,776	12.7	1,841	22.1	612	14.9	707	18.9
Mat. Sing. Wt. Gain: High (> 45 lbs)		12,952	21.0	9,771	21.5	1,755	21.0	787	19.1	629	16.8
Mother's Education: Under 12 Yrs.		8,410	11.7	5,132	9.8	1,465	14.1	592	12.3	1,214	27.9
Marital Status: Out-of-Wedlock		29,133	40.4	16,878	32.2	8,108	77.4	1,852	38.4	2,268	51.7
Live Birth Order: 4 or More		9,990	13.9	6,502	12.4	2,151	20.6	561	11.6	758	17.3
Birth Spacing: Less than 18 Months		5,335	12.5	3,613	11.7	1,050	16.2	351	13.0	316	12.0
Prenatal Care: 1st Trimester		49,473	71.2	38,764	76.1	5,312	55.3	2,934	63.2	2,429	57.5
Prenatal Care: 2nd Trimester		14,505	20.9	9,250	18.2	2,845	29.6	1,193	25.7	1,200	28.4
Prenatal Care: 3rd Trimester		3,821	5.5	2,153	4.2	913	9.5	355	7.6	395	9.4
Prenatal Care: None		1,657	2.4	761	1.5	532	5.5	164	3.5	197	4.7
Prenatal Care: Inadequate		14,443	21.1	8,165	16.3	3,626	38.1	1,265	27.7	1,371	32.9
Maternal Utilization: Medicaid		27,486	38.6	16,144	31.3	6,796	65.4	2,038	42.6	2,492	57.5
Maternal Utilization: WIC		23,916	33.9	14,561	28.2	5,560	55.5	1,639	35.4	2,143	50.3
Maternal Utilization: Food Stamps		16,338	24.6	8,961	18.5	5,406	56.8	1,092	24.8	874	22.4
Mother's Age: At Delivery	Under 15	41	0.1	17	0.0	15	0.1	2	0.0	7	0.2
	15-17	860	1.2	473	0.9	231	2.2	65	1.3	90	2.1
	18-19	2,988	4.1	1,903	3.6	598	5.7	208	4.3	279	6.4
	20-24	15,781	21.9	10,802	20.6	2,825	27.0	1,002	20.8	1,137	25.9
	25-29	22,822	31.7	16,710	31.9	3,426	32.7	1,363	28.2	1,305	29.8
	30-34	19,443	27.0	14,970	28.6	2,159	20.6	1,358	28.1	945	21.6
	35-39	8,568	11.9	6,392	12.2	984	9.4	695	14.4	475	10.8
	40 and Over	1,592	2.2	1,074	2.1	236	2.3	135	2.8	145	3.3

\* Includes births to mothers of multiple races, but not mothers of unknown race.

**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2019**

		<u>Northeast</u>		<u>Northwest</u>		<u>Central</u>		<u>Southeast</u>		<u>Southwest</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		2,895	100.0	2,749	100.0	8,250	100.0	6,485	100.0	11,354	100.0
Birth Weight: Under 2500 Grams		254	8.8	224	8.2	664	8.1	570	8.8	869	7.7
Birth Weight: Above 4499 Grams		30	1.0	34	1.2	84	1.0	60	0.9	147	1.3
Gestational Age: Less than 37 Weeks		329	11.4	285	10.4	828	10.0	730	11.3	1,074	9.5
APGAR (5 Minutes): Less than 8		223	7.7	140	5.1	497	6.1	326	5.1	593	5.3
Infant Care: NICU Admission		232	8.0	211	7.7	816	9.9	489	7.5	1,029	9.1
Infant Care: Transfer to Other Facility		67	2.3	61	2.2	164	2.0	227	3.5	134	1.2
Place of Birth: At-Home Delivery		171	5.9	64	2.3	102	1.2	69	1.1	320	2.8
Method of Delivery: Cesarean		896	31.1	826	30.1	2,483	30.2	1,973	30.5	3,276	28.9
Infant Care: Breastfed After Delivery		2,255	82.0	2,023	74.8	6,362	80.6	4,182	65.7	9,281	83.9
Maternal Smoking: During Pregnancy		533	18.7	439	16.2	1,274	15.6	1,400	21.7	1,741	15.4
...Quit Smoking During Pregnancy		111	20.8	87	19.8	268	21.0	244	17.4	382	21.9
Mat. Weight: Underweight (BMI < 18.5)		100	3.5	78	2.9	265	3.3	228	3.5	456	4.1
Mat. Weight: Obese (BMI >= 30)		972	34.4	906	33.4	2,529	31.1	2,171	33.7	3,350	29.9
Mat. Sing. Wt. Gain: Low (< 15 lbs)		398	16.1	286	12.0	1,112	15.5	899	16.3	1,476	14.8
Mat. Sing. Wt. Gain: High (> 45 lbs)		438	17.7	580	24.4	1,437	20.0	1,149	20.9	2,104	21.1
Mother's Education: Under 12 Yrs.		554	19.2	358	13.1	980	11.9	960	14.9	1,849	16.3
Marital Status: Out-of-Wedlock		1,065	36.8	1,045	38.0	3,041	36.9	2,977	45.9	4,389	38.7
Live Birth Order: 4 or More		481	16.6	397	14.5	1,160	14.1	1,029	15.9	1,767	15.6
Birth Spacing: Less than 18 Months		250	13.6	184	10.9	594	12.0	598	14.9	990	14.1
Prenatal Care: 1st Trimester		2,128	75.0	2,072	76.7	5,958	74.5	4,476	70.3	7,698	69.3
Prenatal Care: 2nd Trimester		520	18.3	447	16.6	1,541	19.3	1,438	22.6	2,344	21.1
Prenatal Care: 3rd Trimester		161	5.7	153	5.7	404	5.1	345	5.4	681	6.1
Prenatal Care: None		27	1.0	28	1.0	91	1.1	105	1.6	384	3.5
Prenatal Care: Inadequate		603	21.4	469	17.4	1,476	18.7	1,282	20.4	2,545	23.2
Maternal Utilization: Medicaid		1,044	36.2	1,048	38.3	3,097	37.9	3,306	53.2	5,104	45.3
Maternal Utilization: WIC		1,119	39.3	954	35.3	2,855	35.3	3,409	53.6	4,645	41.5
Maternal Utilization: Food Stamps		574	22.2	576	22.4	1,775	22.4	2,092	35.1	2,643	24.5
Mother's Age: At Delivery	Under 15	2	0.1			2	0.0	3	0.0	7	0.1
	15-17	29	1.0	34	1.2	85	1.0	112	1.7	170	1.5
	18-19	126	4.4	119	4.3	373	4.5	414	6.4	632	5.6
	20-24	812	28.0	704	25.6	1,958	23.7	1,984	30.6	3,073	27.1
	25-29	998	34.5	981	35.7	2,784	33.7	2,054	31.7	3,700	32.6
	30-34	638	22.0	595	21.7	2,075	25.2	1,358	21.0	2,506	22.1
	35-39	240	8.3	250	9.1	817	9.9	483	7.5	1,042	9.2
	40 and Over	50	1.7	65	2.4	155	1.9	74	1.1	224	2.0

**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2019**

		<u>St. Louis Region</u>		<u>Kansas City Region</u>		<u>Metro</u>		<u>Non-Metro</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		24,868	100.0	15,502	100.0	54,811	100.0	17,292	100.0
Birth Weight: Under 2500 Grams		2,437	9.8	1,361	8.8	4,937	9.0	1,442	8.3
Birth Weight: Above 4499 Grams		208	0.8	124	0.8	502	0.9	185	1.1
Gestational Age: Less than 37 Weeks		2,935	11.8	1,659	10.7	6,020	11.0	1,820	10.5
APGAR (5 Minutes): Less than 8		1,420	5.7	909	5.9	3,067	5.6	1,041	6.1
Infant Care: NICU Admission		2,457	9.9	1,743	11.2	5,629	10.3	1,348	7.8
Infant Care: Transfer to Other Facility		583	2.3	148	1.0	872	1.6	512	3.0
Place of Birth: At-Home Delivery		120	0.5	223	1.4	586	1.1	483	2.8
Method of Delivery: Cesarean		8,001	32.2	4,185	27.0	16,525	30.2	5,115	29.7
Infant Care: Breastfed After Delivery		19,530	79.7	12,430	81.6	43,665	81.2	12,398	74.1
Maternal Smoking: During Pregnancy		2,214	9.0	1,532	9.9	5,766	10.6	3,367	19.6
...Quit Smoking During Pregnancy		580	26.2	360	23.5	1,400	24.3	632	18.8
Mat. Weight: Underweight (BMI < 18.5)		774	3.2	544	3.6	1,832	3.4	613	3.6
Mat. Weight: Obese (BMI >= 30)		6,877	28.1	4,551	30.0	15,723	29.2	5,633	33.0
Mat. Sing. Wt. Gain: Low (< 15 lbs)		2,748	13.2	2,026	15.2	6,636	14.2	2,309	15.5
Mat. Sing. Wt. Gain: High (> 45 lbs)		4,518	21.6	2,726	20.4	9,860	21.1	3,092	20.8
Mother's Education: Under 12 Yrs.		1,981	8.0	1,728	11.2	5,609	10.3	2,801	16.2
Marital Status: Out-of-Wedlock		10,042	40.4	6,574	42.4	22,056	40.2	7,077	40.9
Live Birth Order: 4 or More		2,990	12.1	2,166	14.0	7,220	13.2	2,770	16.0
Birth Spacing: Less than 18 Months		1,609	11.5	1,110	12.1	3,810	11.9	1,525	14.2
Prenatal Care: 1st Trimester		16,433	70.6	10,708	70.5	37,495	71.3	11,978	71.0
Prenatal Care: 2nd Trimester		4,922	21.2	3,293	21.7	10,832	20.6	3,673	21.8
Prenatal Care: 3rd Trimester		1,178	5.1	899	5.9	2,858	5.4	963	5.7
Prenatal Care: None		732	3.1	290	1.9	1,411	2.7	246	1.5
Prenatal Care: Inadequate		4,832	21.2	3,236	21.5	10,892	21.0	3,551	21.3
Maternal Utilization: Medicaid		7,961	32.5	5,926	38.5	19,663	36.2	7,823	46.1
Maternal Utilization: WIC		6,242	25.8	4,692	30.9	16,051	30.0	7,865	46.2
Maternal Utilization: Food Stamps		5,490	23.0	3,188	25.1	11,840	23.6	4,498	28.0
Mother's Age: At Delivery	Under 15	19	0.1	8	0.1	32	0.1	9	0.1
	15-17	236	0.9	194	1.3	614	1.1	246	1.4
	18-19	713	2.9	611	3.9	2,032	3.7	956	5.5
	20-24	3,995	16.1	3,255	21.0	10,702	19.5	5,079	29.4
	25-29	7,411	29.8	4,894	31.6	17,036	31.1	5,786	33.5
	30-34	8,014	32.2	4,257	27.5	15,875	29.0	3,568	20.6
	35-39	3,821	15.4	1,915	12.4	7,194	13.1	1,374	7.9
	40 and Over	658	2.6	366	2.4	1,322	2.4	270	1.6

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Adair</u>		<u>Andrew</u>		<u>Atchison</u>		<u>Audrain</u>		<u>Barry</u>		<u>Barton</u>		<u>Bates</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		301	100.0	217	100.0	46	100.0	292	100.0	383	100.0	119	100.0	190	100.0
Birth Weight: Under 2500 Grams		32	10.6	12	5.6	1	2.2	25	8.6	24	6.3	10	8.4	14	7.4
Birth Weight: Above 4499 Grams		1	0.3	3	1.4	0	0.0	4	1.4	7	1.8	2	1.7	2	1.1
Gest. Age: Less than 37 Weeks		41	13.6	18	8.3	4	8.7	31	10.6	31	8.1	10	8.4	19	10.0
APGAR (5 Min.): Less than 8		42	14.0	7	3.2	1	2.2	19	6.5	22	5.8	7	5.9	15	7.9
Infant Care: NICU Admission		17	5.6	12	5.5	1	2.2	42	14.4	32	8.4	15	12.6	17	8.9
Infant Care: Transfer		11	3.7	4	1.8	0	0.0	8	2.7	11	2.9	0	0.0	2	1.1
Place of Birth: At-Home Delivery		18	6.0	0	0.0	0	0.0	13	4.5	8	2.1	6	5.0	7	3.7
Method of Delivery: Cesarean		93	30.9	63	29.0	14	30.4	106	36.3	96	25.1	30	25.4	44	23.3
Infant Care: Breastfed		244	86.8	170	78.7	40	87.0	208	74.0	282	75.6	90	76.3	153	83.2
Mat. Smoking: During Preg.		45	15.1	28	13.0	6	13.0	63	21.8	67	17.5	18	15.4	30	15.9
...Quit Smoking During Preg.		4	8.9	7	25.0	1	16.7	5	7.9	9	13.4	0	0.0	5	16.7
Mat. Wt.: Underweight		13	4.4	7	3.2	3	6.5	6	2.1	18	4.8	3	2.6	6	3.2
Mat. Wt.: Obese		83	28.0	70	32.3	5	10.9	112	39.3	107	28.3	40	34.2	69	36.9
Mat. Sing. Wt. Gain: Low		35	13.8	14	7.3	2	4.8	43	17.3	49	14.2	19	17.8	29	17.4
Mat. Sing. Wt. Gain: High		52	20.6	49	25.4	8	19.0	47	19.0	75	21.8	17	15.9	38	22.8
Mother's Education: Under 12 Yrs.		35	11.7	9	4.1	0	0.0	68	23.3	76	19.9	27	23.1	26	13.7
Marital Status: Out-of-Wedlock		92	30.6	73	33.6	14	30.4	133	45.5	155	40.5	42	35.3	70	36.8
Live Birth Order: 4 or More		44	14.8	34	15.7	6	13.0	56	19.2	53	13.9	14	11.8	23	12.1
Birth Spacing: Less than 18 Mos.		24	13.5	12	9.1	5	15.6	27	14.5	30	13.0	7	9.7	17	15.0
Prenatal Care: 1st Trimester		231	77.3	182	84.7	36	78.3	202	71.4	261	69.2	90	76.3	137	74.9
Prenatal Care: 2nd Trimester		58	19.4	24	11.2	7	15.2	44	15.5	88	23.3	23	19.5	36	19.7
Prenatal Care: 3rd Trimester		8	2.7	9	4.2	3	6.5	34	12.0	24	6.4	5	4.2	9	4.9
Prenatal Care: None		2	0.7	0	0.0	0	0.0	3	1.1	4	1.1	0	0.0	1	0.5
Prenatal Care: Inadequate		56	18.9	22	10.2	7	15.2	73	26.1	81	21.6	18	15.4	30	16.3
Maternal Utilization: Medicaid		92	30.6	60	27.6	11	23.9	116	39.7	200	52.5	48	40.7	73	38.8
Maternal Utilization: WIC		121	40.7	52	24.1	10	21.7	115	40.4	175	46.7	53	45.7	67	36.4
Maternal Utilization: FSP		61	21.4	30	14.4	5	15.2	66	23.6	90	26.0	27	26.2	36	25.4
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0
	15-17	2	0.7	2	0.9	0	0.0	2	0.7	6	1.6	2	1.7	3	1.6
	18-19	9	3.0	3	1.4	1	2.2	13	4.5	36	9.4	7	5.9	10	5.3
	20-24	72	23.9	50	23.0	8	17.4	80	27.4	125	32.6	36	30.3	52	27.4
	25-29	103	34.2	80	36.9	23	50.0	103	35.3	115	30.0	46	38.7	70	36.8
	30-34	70	23.3	65	30.0	8	17.4	66	22.6	68	17.8	14	11.8	34	17.9
	35-39	40	13.3	14	6.5	5	10.9	23	7.9	27	7.0	13	10.9	18	9.5
	40 and Over	5	1.7	3	1.4	1	2.2	4	1.4	6	1.6	1	0.8	3	1.6

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Benton</u>		<u>Bollinger</u>		<u>Boone</u>		<u>Buchanan</u>		<u>Butler</u>		<u>Caldwell</u>		<u>Callaway</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		158	100.0	135	100.0	2,075	100.0	1,042	100.0	546	100.0	101	100.0	501	100.0
Birth Weight: Under 2500 Grams		7	4.4	8	5.9	192	9.3	95	9.1	50	9.2	13	12.9	37	7.4
Birth Weight: Above 4499 Grams		1	0.6	3	2.2	10	0.5	10	1.0	3	0.5	0	0.0	6	1.2
Gest. Age: Less than 37 Weeks		12	7.6	11	8.1	227	10.9	128	12.3	68	12.5	14	13.9	43	8.6
APGAR (5 Min.): Less than 8		10	6.4	5	3.8	131	6.3	38	3.6	31	5.7	10	10.0	38	7.6
Infant Care: NICU Admission		8	5.1	15	11.1	270	13.0	88	8.4	28	5.1	11	10.9	67	13.4
Infant Care: Transfer		6	3.8	3	2.2	9	0.4	30	2.9	25	4.6	1	1.0	8	1.6
Place of Birth: At-Home Delivery		8	5.1	0	0.0	21	1.0	4	0.4	4	0.7	4	4.0	1	0.2
Method of Delivery: Cesarean		43	27.2	37	27.4	688	33.2	317	30.4	124	22.7	35	34.7	153	30.5
Infant Care: Breastfed		119	78.3	100	74.1	1,747	88.4	728	71.2	316	58.0	73	74.5	376	79.7
Mat. Smoking: During Preg.		37	23.9	22	16.3	189	9.3	220	21.6	142	26.1	23	22.8	101	20.4
...Quit Smoking During Preg.		4	10.8	6	27.3	45	23.8	49	22.3	17	12.0	3	13.0	21	20.8
Mat. Wt.: Underweight		6	3.8	3	2.2	74	3.6	32	3.1	17	3.1	4	4.0	15	3.0
Mat. Wt.: Obese		45	28.8	48	35.6	524	25.7	379	36.5	186	34.3	34	34.3	178	35.9
Mat. Sing. Wt. Gain: Low		20	13.8	17	13.9	252	14.1	121	13.6	57	13.4	16	19.5	68	15.5
Mat. Sing. Wt. Gain: High		28	19.3	16	13.1	327	18.2	219	24.7	98	23.1	19	23.2	95	21.6
Mother's Education: Under 12 Yrs.		29	18.4	11	8.2	155	7.5	185	17.8	97	18.0	12	11.9	48	9.6
Marital Status: Out-of-Wedlock		64	40.5	37	27.4	685	33.0	536	51.4	298	54.6	34	33.7	213	42.5
Live Birth Order: 4 or More		28	17.7	26	19.3	225	10.8	155	14.9	86	15.8	17	16.8	68	13.6
Birth Spacing: Less than 18 Mos.		14	12.5	12	14.6	112	9.4	74	11.4	57	16.1	11	17.7	33	10.8
Prenatal Care: 1st Trimester		100	64.5	93	69.4	1,637	80.0	776	75.5	423	77.6	63	63.0	362	74.0
Prenatal Care: 2nd Trimester		38	24.5	38	28.4	304	14.9	160	15.6	89	16.3	34	34.0	99	20.2
Prenatal Care: 3rd Trimester		14	9.0	2	1.5	88	4.3	74	7.2	27	5.0	2	2.0	23	4.7
Prenatal Care: None		3	1.9	1	0.7	17	0.8	18	1.8	6	1.1	1	1.0	5	1.0
Prenatal Care: Inadequate		39	25.2	19	14.3	323	16.0	194	18.9	93	17.2	21	21.2	108	22.5
Maternal Utilization: Medicaid		79	50.3	65	48.5	637	30.8	559	53.8	318	58.2	38	37.6	188	37.5
Maternal Utilization: WIC		75	47.8	68	50.7	469	23.4	450	44.3	321	60.8	31	31.3	165	33.5
Maternal Utilization: FSP		45	29.8	36	27.5	348	17.7	312	32.5	215	42.7	13	13.7	120	24.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.0	0	0.0	1	0.2	0	0.0	0	0.0
	15-17	2	1.3	1	0.7	22	1.1	18	1.7	19	3.5	0	0.0	3	0.6
	18-19	8	5.1	5	3.7	59	2.8	59	5.7	36	6.6	6	5.9	22	4.4
	20-24	37	23.4	45	33.3	309	14.9	282	27.1	172	31.5	24	23.8	125	25.0
	25-29	59	37.3	48	35.6	668	32.2	351	33.7	167	30.6	42	41.6	169	33.7
	30-34	33	20.9	27	20.0	680	32.8	215	20.6	111	20.3	12	11.9	128	25.5
	35-39	16	10.1	9	6.7	273	13.2	90	8.6	39	7.1	14	13.9	45	9.0
	40 and Over	3	1.9	0	0.0	62	3.0	27	2.6	1	0.2	3	3.0	9	1.8



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Camden</u>		<u>Cape Girardeau</u>		<u>Carroll</u>		<u>Carter</u>		<u>Cass</u>		<u>Cedar</u>		<u>Chariton</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		363	100.0	850	100.0	89	100.0	70	100.0	1,165	100.0	188	100.0	98	100.0
Birth Weight: Under 2500 Grams		25	6.9	73	8.6	6	6.7	11	15.7	92	7.9	13	6.9	9	9.2
Birth Weight: Above 4499 Grams		1	0.3	9	1.1	1	1.1	0	0.0	12	1.0	3	1.6	1	1.0
Gest. Age: Less than 37 Weeks		41	11.3	87	10.3	5	5.7	9	12.9	126	10.8	14	7.4	12	12.2
APGAR (5 Min.): Less than 8		22	6.1	48	5.7	4	4.5	2	2.9	49	4.2	12	6.7	13	13.3
Infant Care: NICU Admission		29	8.0	65	7.6	6	6.7	9	12.9	130	11.2	9	4.8	13	13.3
Infant Care: Transfer		6	1.7	13	1.5	2	2.2	6	8.6	11	0.9	3	1.6	2	2.0
Place of Birth: At-Home Delivery		6	1.7	9	1.1	1	1.1	0	0.0	21	1.8	29	15.4	1	1.0
Method of Delivery: Cesarean		109	30.0	259	30.5	30	33.7	19	27.1	321	27.6	47	25.1	44	45.8
Infant Care: Breastfed		279	80.4	612	73.6	59	68.6	47	71.2	979	85.8	154	84.6	73	80.2
Mat. Smoking: During Preg.		56	15.6	120	14.2	16	18.0	11	15.7	146	12.5	30	16.1	14	14.3
...Quit Smoking During Preg.		13	23.2	25	20.8	4	25.0	1	9.1	42	28.8	3	10.0	3	21.4
Mat. Wt.: Underweight		7	2.0	27	3.2	2	2.3	1	1.4	31	2.7	7	3.7	3	3.1
Mat. Wt.: Obese		102	28.7	255	30.0	30	34.5	25	35.7	336	29.3	54	28.7	41	42.3
Mat. Sing. Wt. Gain: Low		44	14.2	118	15.8	9	11.4	4	7.1	110	11.1	28	16.1	19	22.9
Mat. Sing. Wt. Gain: High		69	22.3	137	18.3	25	31.6	17	30.4	206	20.7	33	19.0	11	13.3
Mother's Education: Under 12 Yrs.		41	11.3	86	10.1	12	13.5	14	20.0	90	7.8	47	25.1	13	13.5
Marital Status: Out-of-Wedlock		137	37.7	334	39.3	37	41.6	33	47.1	401	34.4	74	39.4	27	27.6
Live Birth Order: 4 or More		60	16.6	111	13.1	13	14.6	14	20.0	133	11.4	38	20.3	21	21.4
Birth Spacing: Less than 18 Mos.		30	14.0	59	11.7	7	14.0	4	8.5	76	10.8	24	20.0	11	15.9
Prenatal Care: 1st Trimester		246	70.3	626	75.2	70	81.4	49	71.0	894	77.5	105	56.8	78	80.4
Prenatal Care: 2nd Trimester		83	23.7	162	19.5	11	12.8	13	18.8	204	17.7	55	29.7	13	13.4
Prenatal Care: 3rd Trimester		18	5.1	38	4.6	5	5.8	5	7.2	39	3.4	19	10.3	5	5.2
Prenatal Care: None		3	0.9	6	0.7	0	0.0	2	2.9	16	1.4	6	3.2	1	1.0
Prenatal Care: Inadequate		65	19.2	118	14.5	16	18.8	13	18.8	168	14.8	60	33.0	17	17.5
Maternal Utilization: Medicaid		188	51.9	318	37.7	34	38.2	41	58.6	363	31.5	76	40.6	35	35.7
Maternal Utilization: WIC		144	40.6	245	29.7	36	41.4	50	71.4	262	23.0	65	34.8	33	34.4
Maternal Utilization: FSP		79	22.9	194	24.0	21	23.9	22	34.4	144	18.5	45	24.6	19	20.0
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0
	15-17	5	1.4	9	1.1	2	2.2	1	1.4	10	0.9	3	1.6	2	2.0
	18-19	17	4.7	34	4.0	8	9.0	6	8.6	46	3.9	7	3.7	2	2.0
	20-24	95	26.2	183	21.5	30	33.7	25	35.7	252	21.6	65	34.6	19	19.4
	25-29	117	32.2	271	31.9	30	33.7	20	28.6	392	33.6	58	30.9	42	42.9
	30-34	97	26.7	255	30.0	13	14.6	11	15.7	312	26.8	32	17.0	23	23.5
	35-39	29	8.0	85	10.0	6	6.7	6	8.6	127	10.9	21	11.2	6	6.1
	40 and Over	3	0.8	13	1.5	0	0.0	1	1.4	24	2.1	2	1.1	4	4.1

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Christian</u>		<u>Clark</u>		<u>Clay</u>		<u>Clinton</u>		<u>Cole</u>		<u>Cooper</u>		<u>Crawford</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		1,092	100.0	75	100.0	3,096	100.0	235	100.0	819	100.0	201	100.0	256	100.0
Birth Weight: Under 2500 Grams		58	5.3	3	4.0	214	6.9	23	9.8	54	6.6	14	7.0	26	10.2
Birth Weight: Above 4499 Grams		12	1.1	2	2.7	21	0.7	4	1.7	7	0.9	3	1.5	1	0.4
Gest. Age: Less than 37 Weeks		83	7.6	8	10.7	298	9.6	28	11.9	75	9.2	23	11.4	34	13.4
APGAR (5 Min.): Less than 8		34	3.1	5	6.7	171	5.5	12	5.2	43	5.3	16	8.0	17	6.7
Infant Care: NICU Admission		90	8.2	7	9.3	283	9.1	28	11.9	79	9.6	25	12.4	22	8.6
Infant Care: Transfer		11	1.0	4	5.3	26	0.8	4	1.7	13	1.6	1	0.5	10	3.9
Place of Birth: At-Home Delivery		12	1.1	4	5.3	28	0.9	9	3.8	7	0.9	3	1.5	2	0.8
Method of Delivery: Cesarean		284	26.0	28	37.3	885	28.7	53	22.7	234	28.6	72	35.8	95	37.3
Infant Care: Breastfed		960	89.7	57	85.1	2,635	87.0	189	82.5	652	83.2	157	83.1	175	70.9
Mat. Smoking: During Preg.		104	9.5	12	16.0	248	8.0	38	16.2	86	10.6	36	18.3	62	24.6
...Quit Smoking During Preg.		24	23.1	1	8.3	70	28.2	8	21.1	21	24.4	9	25.0	11	17.7
Mat. Wt.: Underweight		39	3.6	1	1.3	103	3.4	11	4.7	27	3.3	5	2.5	11	4.3
Mat. Wt.: Obese		295	27.2	29	38.7	915	29.9	87	37.2	271	33.4	70	35.5	106	41.9
Mat. Sing. Wt. Gain: Low		107	11.0	17	26.2	411	15.0	38	18.5	117	16.1	23	13.2	30	14.0
Mat. Sing. Wt. Gain: High		222	22.7	11	16.9	561	20.5	47	22.9	147	20.3	32	18.4	45	21.0
Mother's Education: Under 12 Yrs.		55	5.0	16	21.3	189	6.1	17	7.3	64	7.8	22	10.9	42	16.4
Marital Status: Out-of-Wedlock		278	25.5	25	33.3	1,000	32.3	100	42.6	305	37.2	80	39.8	126	49.2
Live Birth Order: 4 or More		130	11.9	17	22.7	351	11.3	35	14.9	100	12.2	25	12.4	31	12.1
Birth Spacing: Less than 18 Mos.		59	8.7	7	13.7	205	11.3	20	14.4	45	9.4	12	10.7	23	14.7
Prenatal Care: 1st Trimester		840	78.7	62	83.8	2,303	75.9	177	77.0	645	80.4	160	80.0	171	69.0
Prenatal Care: 2nd Trimester		153	14.3	10	13.5	552	18.2	41	17.8	122	15.2	34	17.0	63	25.4
Prenatal Care: 3rd Trimester		49	4.6	1	1.4	149	4.9	11	4.8	30	3.7	5	2.5	11	4.4
Prenatal Care: None		25	2.3	1	1.4	31	1.0	1	0.4	5	0.6	1	0.5	3	1.2
Prenatal Care: Inadequate		165	15.6	14	19.7	510	17.0	33	14.4	117	14.7	29	14.5	53	21.5
Maternal Utilization: Medicaid		316	29.1	23	30.7	821	26.6	82	35.0	249	30.4	61	30.3	103	41.9
Maternal Utilization: WIC		295	27.3	23	30.7	591	19.3	72	31.0	243	29.9	71	35.5	121	48.0
Maternal Utilization: FSP		153	14.3	8	18.6	423	15.5	40	18.3	169	20.9	31	16.4	86	34.1
Mother's Age: At Delivery	Under 15	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	3	0.3	1	1.3	26	0.8	2	0.9	4	0.5	0	0.0	4	1.6
	18-19	40	3.7	2	2.7	70	2.3	16	6.8	38	4.6	12	6.0	14	5.5
	20-24	222	20.3	17	22.7	528	17.1	68	28.9	167	20.4	43	21.4	58	22.7
	25-29	359	32.9	27	36.0	1,057	34.1	76	32.3	287	35.0	72	35.8	97	37.9
	30-34	323	29.6	16	21.3	959	31.0	46	19.6	210	25.6	53	26.4	54	21.1
	35-39	113	10.3	12	16.0	381	12.3	20	8.5	99	12.1	20	10.0	25	9.8
	40 and Over	31	2.8	0	0.0	75	2.4	7	3.0	14	1.7	1	0.5	4	1.6

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Dade</u>		<u>Dallas</u>		<u>Daviess</u>		<u>DeKalb</u>		<u>Dent</u>		<u>Douglas</u>		<u>Dunklin</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		69	100.0	219	100.0	119	100.0	81	100.0	138	100.0	121	100.0	359	100.0
Birth Weight: Under 2500 Grams		9	13.0	18	8.2	6	5.1	8	9.9	17	12.4	6	5.0	37	10.3
Birth Weight: Above 4499 Grams		0	0.0	3	1.4	4	3.4	2	2.5	0	0.0	3	2.5	4	1.1
Gest. Age: Less than 37 Weeks		7	10.1	20	9.1	12	10.1	6	7.4	19	13.8	12	9.9	48	13.4
APGAR (5 Min.): Less than 8		5	7.2	13	6.0	8	6.8	3	3.7	10	7.3	8	6.6	18	5.0
Infant Care: NICU Admission		6	8.7	12	5.5	4	3.4	3	3.7	13	9.4	9	7.4	18	5.0
Infant Care: Transfer		0	0.0	3	1.4	4	3.4	3	3.7	6	4.3	0	0.0	17	4.7
Place of Birth: At-Home Delivery		3	4.3	6	2.7	22	18.5	0	0.0	1	0.7	6	5.0	0	0.0
Method of Delivery: Cesarean		24	34.8	63	28.9	25	21.2	23	28.4	43	31.2	27	22.3	106	29.5
Infant Care: Breastfed		55	84.6	182	85.4	97	82.2	61	76.3	100	73.5	94	79.0	167	46.6
Mat. Smoking: During Preg.		9	13.0	42	19.3	15	12.8	10	12.3	38	27.5	23	19.5	86	24.0
...Quit Smoking During Preg.		1	11.1	7	16.7	2	13.3	1	10.0	6	15.8	5	21.7	15	17.4
Mat. Wt.: Underweight		7	10.4	6	2.8	0	0.0	4	5.0	8	5.9	7	5.9	17	4.8
Mat. Wt.: Obese		21	31.3	62	28.4	34	33.0	24	30.0	50	36.8	34	28.8	140	39.3
Mat. Sing. Wt. Gain: Low		9	15.5	23	12.2	18	20.0	9	12.0	21	17.8	15	14.2	59	20.3
Mat. Sing. Wt. Gain: High		11	19.0	38	20.2	22	24.4	20	26.7	31	26.3	20	18.9	65	22.3
Mother's Education: Under 12 Yrs.		13	18.8	65	29.7	48	40.3	6	7.5	26	19.0	10	8.3	79	22.1
Marital Status: Out-of-Wedlock		27	39.1	70	32.0	28	23.5	25	30.9	57	41.3	41	33.9	207	57.7
Live Birth Order: 4 or More		17	24.6	53	24.2	29	24.4	9	11.1	22	15.9	28	23.1	69	19.2
Birth Spacing: Less than 18 Mos.		3	6.1	23	14.8	10	12.2	1	2.0	9	10.5	5	6.6	52	21.9
Prenatal Care: 1st Trimester		48	70.6	146	67.3	64	56.1	68	84.0	103	74.6	63	53.8	248	69.3
Prenatal Care: 2nd Trimester		14	20.6	54	24.9	41	36.0	12	14.8	31	22.5	35	29.9	77	21.5
Prenatal Care: 3rd Trimester		2	2.9	11	5.1	8	7.0	1	1.2	3	2.2	11	9.4	27	7.5
Prenatal Care: None		4	5.9	6	2.8	1	0.9	0	0.0	1	0.7	8	6.8	6	1.7
Prenatal Care: Inadequate		11	16.2	43	20.1	38	33.0	6	7.5	39	28.5	41	35.3	95	26.5
Maternal Utilization: Medicaid		40	58.0	88	40.6	41	35.7	27	33.8	79	57.2	64	52.9	242	67.4
Maternal Utilization: WIC		32	46.4	74	34.1	36	32.4	24	29.6	77	56.2	69	57.0	230	66.3
Maternal Utilization: FSP		16	23.2	38	17.7	16	14.2	13	17.6	51	38.1	36	29.8	147	55.1
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	1	1.4	3	1.4	4	3.4	0	0.0	2	1.4	2	1.7	9	2.5
	18-19	2	2.9	9	4.1	2	1.7	3	3.7	7	5.1	7	5.8	33	9.2
	20-24	11	15.9	57	26.0	35	29.4	26	32.1	49	35.5	31	25.6	122	34.0
	25-29	33	47.8	75	34.2	46	38.7	30	37.0	48	34.8	34	28.1	111	30.9
	30-34	13	18.8	42	19.2	17	14.3	15	18.5	16	11.6	27	22.3	61	17.0
	35-39	5	7.2	26	11.9	10	8.4	6	7.4	8	5.8	17	14.0	18	5.0
	40 and Over	4	5.8	7	3.2	5	4.2	1	1.2	8	5.8	3	2.5	5	1.4



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Franklin</u>		<u>Gasconade</u>		<u>Gentry</u>		<u>Greene</u>		<u>Grundy</u>		<u>Harrison</u>		<u>Henry</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		1,222	100.0	157	100.0	96	100.0	3,418	100.0	123	100.0	92	100.0	318	100.0
Birth Weight: Under 2500 Grams		102	8.3	14	8.9	3	3.2	312	9.1	11	8.9	5	5.4	23	7.3
Birth Weight: Above 4499 Grams		11	0.9	3	1.9	2	2.1	52	1.5	0	0.0	0	0.0	4	1.3
Gest. Age: Less than 37 Weeks		132	10.8	14	8.9	8	8.3	359	10.5	17	14.0	7	7.6	31	9.7
APGAR (5 Min.): Less than 8		72	5.9	6	3.8	7	8.0	182	5.3	9	7.4	7	8.3	20	6.3
Infant Care: NICU Admission		79	6.5	7	4.5	8	8.3	353	10.3	13	10.6	10	10.9	22	6.9
Infant Care: Transfer		26	2.1	1	0.6	0	0.0	21	0.6	1	0.8	2	2.2	8	2.5
Place of Birth: At-Home Delivery		6	0.5	0	0.0	8	8.3	31	0.9	26	21.1	9	9.8	8	2.5
Method of Delivery: Cesarean		408	33.4	57	36.3	30	31.3	1,005	29.4	36	30.0	31	33.7	86	27.0
Infant Care: Breastfed		933	78.0	131	85.1	69	72.6	2,876	86.5	98	85.2	71	81.6	220	74.8
Mat. Smoking: During Preg.		211	17.4	30	19.2	16	16.7	527	15.5	24	19.8	15	16.5	72	22.8
...Quit Smoking During Preg.		46	21.8	5	16.7	3	18.8	123	23.3	3	12.5	0	0.0	15	20.8
Mat. Wt.: Underweight		40	3.3	6	3.8	3	3.1	136	4.1	1	0.9	2	2.3	16	5.1
Mat. Wt.: Obese		399	32.9	53	34.0	37	38.5	982	29.3	38	35.5	35	39.8	101	32.1
Mat. Sing. Wt. Gain: Low		168	15.9	26	18.4	12	14.3	410	14.1	17	20.0	12	14.8	44	15.9
Mat. Sing. Wt. Gain: High		216	20.4	32	22.7	23	27.4	678	23.3	10	11.8	20	24.7	61	22.1
Mother's Education: Under 12 Yrs.		142	11.6	16	10.3	16	16.7	398	11.7	48	39.0	23	25.0	61	19.2
Marital Status: Out-of-Wedlock		464	38.0	58	36.9	22	22.9	1,367	40.0	34	27.6	31	33.7	154	48.4
Live Birth Order: 4 or More		162	13.3	11	7.0	24	25.0	474	13.9	41	33.3	21	23.1	57	17.9
Birth Spacing: Less than 18 Mos.		92	12.8	9	9.1	10	14.7	250	12.3	13	15.5	4	6.9	27	14.1
Prenatal Care: 1st Trimester		931	78.4	133	86.4	63	67.0	2,287	68.6	72	63.7	60	68.2	213	67.6
Prenatal Care: 2nd Trimester		192	16.2	17	11.0	23	24.5	652	19.6	25	22.1	17	19.3	85	27.0
Prenatal Care: 3rd Trimester		54	4.5	4	2.6	7	7.4	192	5.8	14	12.4	9	10.2	15	4.8
Prenatal Care: None		10	0.8	0	0.0	1	1.1	201	6.0	2	1.8	2	2.3	2	0.6
Prenatal Care: Inadequate		190	16.2	11	7.2	26	27.1	826	25.3	40	35.1	28	31.5	68	21.8
Maternal Utilization: Medicaid		402	33.3	50	32.1	31	32.3	1,532	45.2	53	43.8	31	34.4	146	47.4
Maternal Utilization: WIC		327	27.2	40	26.1	25	26.0	1,447	42.7	49	41.2	29	31.9	132	42.2
Maternal Utilization: FSP		239	20.2	25	16.6	20	21.1	846	25.5	25	21.6	19	23.2	83	28.4
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	3	0.9
	15-17	16	1.3	1	0.6	1	1.0	44	1.3	1	0.8	1	1.1	7	2.2
	18-19	50	4.1	3	1.9	6	6.3	169	4.9	3	2.4	2	2.2	21	6.6
	20-24	267	21.8	39	24.8	19	19.8	810	23.7	37	30.1	29	31.5	92	28.9
	25-29	406	33.2	62	39.5	41	42.7	1,112	32.5	44	35.8	30	32.6	92	28.9
	30-34	342	28.0	34	21.7	19	19.8	846	24.8	24	19.5	15	16.3	72	22.6
	35-39	123	10.1	16	10.2	9	9.4	359	10.5	11	8.9	9	9.8	22	6.9
	40 and Over	18	1.5	2	1.3	1	1.0	77	2.3	3	2.4	6	6.5	9	2.8

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Hickory</u>		<u>Holt</u>		<u>Howard</u>		<u>Howell</u>		<u>Iron</u>		<u>Jackson</u>		<u>Jasper</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		73	100.0	46	100.0	114	100.0	465	100.0	107	100.0	8,850	100.0	1,539	100.0
Birth Weight: Under 2500 Grams		4	5.5	6	13.0	7	6.1	45	9.7	10	9.3	852	9.6	114	7.4
Birth Weight: Above 4499 Grams		1	1.4	0	0.0	2	1.8	1	0.2	1	0.9	68	0.8	21	1.4
Gest. Age: Less than 37 Weeks		8	11.0	5	10.9	15	13.2	46	9.9	15	14.0	980	11.1	150	9.8
APGAR (5 Min.): Less than 8		3	4.5	3	6.5	8	7.1	22	4.8	5	4.7	544	6.2	65	4.2
Infant Care: NICU Admission		4	5.5	5	10.9	16	14.0	38	8.2	9	8.4	1,097	12.4	157	10.2
Infant Care: Transfer		2	2.7	2	4.3	0	0.0	17	3.7	7	6.5	86	1.0	8	0.5
Place of Birth: At-Home Delivery		7	9.6	1	2.2	1	0.9	8	1.7	0	0.0	137	1.5	15	1.0
Method of Delivery: Cesarean		15	20.8	11	23.9	52	45.6	110	23.7	38	35.8	2,321	26.2	501	32.6
Infant Care: Breastfed		58	80.6	35	76.1	86	79.6	356	77.7	64	62.1	6,837	78.5	1,237	81.1
Mat. Smoking: During Preg.		12	16.4	10	21.7	22	19.5	100	21.5	31	29.2	854	9.7	234	15.3
...Quit Smoking During Preg.		4	33.3	0	0.0	4	18.2	19	19.0	5	16.1	189	22.1	52	22.2
Mat. Wt.: Underweight		2	2.8	2	4.3	1	0.9	15	3.2	3	2.8	331	3.9	58	3.8
Mat. Wt.: Obese		26	36.1	10	21.7	41	36.3	157	33.9	34	32.1	2,611	30.4	465	30.4
Mat. Sing. Wt. Gain: Low		8	12.9	1	2.6	16	16.7	68	16.7	18	20.2	1,189	15.8	235	17.2
Mat. Sing. Wt. Gain: High		11	17.7	7	18.4	16	16.7	77	18.9	22	24.7	1,546	20.5	282	20.6
Mother's Education: Under 12 Yrs.		17	23.3	2	4.3	6	5.3	81	17.5	16	15.0	1,264	14.3	260	16.9
Marital Status: Out-of-Wedlock		23	31.5	14	30.4	42	36.8	177	38.1	55	51.4	4,394	49.6	692	45.0
Live Birth Order: 4 or More		13	17.8	6	13.0	13	11.4	104	22.4	12	11.3	1,398	15.8	193	12.6
Birth Spacing: Less than 18 Mos.		6	12.8	4	11.4	7	9.5	48	15.8	7	13.2	653	12.4	120	13.2
Prenatal Care: 1st Trimester		39	56.5	34	75.6	97	85.8	305	67.2	61	57.5	5,759	66.5	1,059	70.2
Prenatal Care: 2nd Trimester		22	31.9	8	17.8	11	9.7	113	24.9	36	34.0	2,082	24.1	329	21.8
Prenatal Care: 3rd Trimester		6	8.7	1	2.2	4	3.5	25	5.5	7	6.6	601	6.9	88	5.8
Prenatal Care: None		2	2.9	2	4.4	1	0.9	11	2.4	2	1.9	214	2.5	32	2.1
Prenatal Care: Inadequate		22	31.9	7	15.6	16	14.2	104	22.9	27	26.5	2,164	25.3	287	19.1
Maternal Utilization: Medicaid		37	52.1	20	43.5	41	36.0	274	59.1	45	54.9	4,041	46.0	714	46.6
Maternal Utilization: WIC		34	46.6	13	28.3	36	31.9	268	57.9	64	60.4	3,262	37.8	587	39.2
Maternal Utilization: FSP		21	30.0	11	25.0	19	17.6	143	32.1	35	33.7	2,312	32.3	387	26.9
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	6	0.1	2	0.1
	15-17	0	0.0	0	0.0	0	0.0	12	2.6	4	3.7	137	1.5	34	2.2
	18-19	4	5.5	2	4.3	7	6.1	29	6.3	10	9.3	398	4.5	118	7.7
	20-24	23	31.5	11	23.9	21	18.4	131	28.2	30	28.0	1,987	22.5	434	28.2
	25-29	27	37.0	13	28.3	31	27.2	149	32.1	44	41.1	2,691	30.4	529	34.4
	30-34	11	15.1	17	37.0	34	29.8	94	20.3	12	11.2	2,327	26.3	298	19.4
	35-39	7	9.6	3	6.5	21	18.4	44	9.5	5	4.7	1,091	12.3	106	6.9
	40 and Over	1	1.4	0	0.0	0	0.0	4	0.9	2	1.9	211	2.4	18	1.2

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Jefferson</u>		<u>Johnson</u>		<u>Knox</u>		<u>Laclede</u>		<u>Lafayette</u>		<u>Lawrence</u>		<u>Lewis</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		2,507	100.0	690	100.0	61	100.0	494	100.0	405	100.0	493	100.0	99	100.0
Birth Weight: Under 2500 Grams		214	8.5	62	9.0	3	4.9	36	7.3	33	8.1	38	7.7	14	14.1
Birth Weight: Above 4499 Grams		21	0.8	9	1.3	1	1.6	9	1.8	5	1.2	3	0.6	1	1.0
Gest. Age: Less than 37 Weeks		315	12.6	68	9.9	5	8.2	48	9.7	45	11.1	51	10.3	15	15.2
APGAR (5 Min.): Less than 8		140	5.6	44	6.4	3	4.9	24	4.9	27	6.7	23	4.7	5	5.1
Infant Care: NICU Admission		289	11.5	65	9.4	2	3.3	44	8.9	41	10.1	49	9.9	4	4.0
Infant Care: Transfer		58	2.3	11	1.6	3	4.9	17	3.4	4	1.0	11	2.2	2	2.0
Place of Birth: At-Home Delivery		14	0.6	13	1.9	5	8.2	3	0.6	6	1.5	13	2.6	7	7.1
Method of Delivery: Cesarean		878	35.1	190	27.5	16	26.2	141	28.5	109	26.9	142	28.8	36	36.4
Infant Care: Breastfed		1,861	75.6	510	75.2	46	82.1	352	73.0	310	77.7	361	76.8	87	88.8
Mat. Smoking: During Preg.		400	16.0	65	9.5	7	11.7	117	23.7	77	19.0	74	15.1	26	26.3
...Quit Smoking During Preg.		95	23.8	10	15.4	2	28.6	22	18.8	17	22.1	15	20.3	5	19.2
Mat. Wt.: Underweight		84	3.4	17	2.5	2	3.3	19	3.9	16	4.0	19	3.9	2	2.0
Mat. Wt.: Obese		762	30.7	199	29.1	13	21.3	177	36.1	128	31.8	165	33.9	44	44.9
Mat. Sing. Wt. Gain: Low		275	13.2	67	11.1	8	14.3	74	17.2	52	14.8	60	13.9	13	16.0
Mat. Sing. Wt. Gain: High		502	24.1	139	23.1	11	19.6	99	23.0	75	21.3	84	19.4	11	13.6
Mother's Education: Under 12 Yrs.		191	7.6	44	6.4	26	42.6	77	15.6	37	9.2	105	21.3	12	12.1
Marital Status: Out-of-Wedlock		951	37.9	180	26.1	15	24.6	214	43.3	172	42.5	191	38.7	35	35.4
Live Birth Order: 4 or More		270	10.8	77	11.2	9	14.8	94	19.0	53	13.1	89	18.1	15	15.2
Birth Spacing: Less than 18 Mos.		161	11.2	45	11.6	4	9.8	45	14.0	26	10.6	55	17.2	9	13.8
Prenatal Care: 1st Trimester		1,686	70.9	544	80.8	36	60.0	325	67.3	310	77.9	338	70.3	79	81.4
Prenatal Care: 2nd Trimester		557	23.4	101	15.0	19	31.7	114	23.6	65	16.3	98	20.4	14	14.4
Prenatal Care: 3rd Trimester		94	4.0	24	3.6	5	8.3	33	6.8	21	5.3	35	7.3	3	3.1
Prenatal Care: None		41	1.7	4	0.6	0	0.0	11	2.3	2	0.5	10	2.1	1	1.0
Prenatal Care: Inadequate		418	18.3	85	12.7	20	32.8	110	22.8	66	16.9	115	24.3	17	17.3
Maternal Utilization: Medicaid		720	29.7	162	23.5	17	27.9	289	59.0	166	41.2	231	47.3	31	31.6
Maternal Utilization: WIC		604	24.6	214	31.3	23	38.3	244	50.0	133	33.0	218	44.9	41	41.8
Maternal Utilization: FSP		438	18.0	95	14.5	7	13.5	146	30.3	63	16.2	124	26.1	5	13.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	20	0.8	3	0.4	1	1.6	6	1.2	5	1.2	7	1.4	0	0.0
	18-19	70	2.8	29	4.2	2	3.3	36	7.3	24	5.9	26	5.3	2	2.0
	20-24	483	19.3	162	23.5	22	36.1	174	35.2	99	24.4	139	28.2	30	30.3
	25-29	863	34.4	249	36.1	21	34.4	137	27.7	144	35.6	192	38.9	29	29.3
	30-34	735	29.3	158	22.9	12	19.7	100	20.2	96	23.7	90	18.3	24	24.2
	35-39	297	11.8	74	10.7	3	4.9	32	6.5	31	7.7	32	6.5	12	12.1
	40 and Over	39	1.6	14	2.0	0	0.0	9	1.8	6	1.5	7	1.4	2	2.0

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Lincoln</u>		<u>Linn</u>		<u>Livingston</u>		<u>Macon</u>		<u>Madison</u>		<u>Maries</u>		<u>Marion</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		817	100.0	141	100.0	153	100.0	164	100.0	124	100.0	91	100.0	360	100.0
Birth Weight: Under 2500 Grams		56	6.9	3	2.1	12	7.8	8	4.9	8	6.5	4	4.4	33	9.2
Birth Weight: Above 4499 Grams		11	1.3	2	1.4	2	1.3	4	2.4	0	0.0	1	1.1	5	1.4
Gest. Age: Less than 37 Weeks		77	9.4	9	6.4	18	11.8	16	9.8	13	10.5	5	5.6	44	12.3
APGAR (5 Min.): Less than 8		39	4.8	9	6.5	12	8.1	14	8.6	5	4.0	8	8.8	26	7.2
Infant Care: NICU Admission		61	7.5	8	5.7	14	9.2	12	7.3	9	7.3	7	7.7	32	8.9
Infant Care: Transfer		18	2.2	2	1.4	2	1.3	1	0.6	5	4.0	3	3.3	14	3.9
Place of Birth: At-Home Delivery		4	0.5	6	4.3	5	3.3	17	10.4	0	0.0	2	2.2	1	0.3
Method of Delivery: Cesarean		231	28.3	39	28.1	50	32.9	37	22.6	39	31.5	26	28.6	108	30.2
Infant Care: Breastfed		636	78.6	102	74.5	121	82.3	142	89.3	93	76.2	73	83.0	278	80.3
Mat. Smoking: During Preg.		143	17.7	32	23.0	33	22.6	26	16.0	29	23.4	15	16.5	80	22.6
...Quit Smoking During Preg.		36	25.2	12	37.5	5	15.2	10	38.5	7	24.1	4	26.7	22	27.5
Mat. Wt.: Underweight		26	3.2	10	7.2	8	5.4	3	1.8	9	7.3	2	2.2	10	2.8
Mat. Wt.: Obese		243	29.8	43	30.9	37	25.0	52	31.9	38	30.6	37	40.7	145	40.7
Mat. Sing. Wt. Gain: Low		94	13.0	24	19.0	23	18.1	16	11.0	19	17.4	15	17.9	45	14.6
Mat. Sing. Wt. Gain: High		171	23.6	23	18.3	25	19.7	31	21.2	22	20.2	14	16.7	60	19.4
Mother's Education: Under 12 Yrs.		72	8.8	24	17.0	18	11.8	25	15.3	12	9.8	15	16.5	53	14.8
Marital Status: Out-of-Wedlock		313	38.3	63	44.7	71	46.4	54	32.9	50	40.3	31	34.1	151	41.9
Live Birth Order: 4 or More		108	13.2	18	12.9	21	13.7	25	15.2	11	8.9	12	13.2	47	13.1
Birth Spacing: Less than 18 Mos.		56	11.0	10	10.5	13	14.8	12	10.6	7	9.9	12	24.5	31	13.9
Prenatal Care: 1st Trimester		596	78.1	98	70.0	128	83.7	121	74.7	80	65.6	66	74.2	293	82.3
Prenatal Care: 2nd Trimester		124	16.3	29	20.7	21	13.7	31	19.1	34	27.9	18	20.2	43	12.1
Prenatal Care: 3rd Trimester		36	4.7	9	6.4	3	2.0	9	5.6	8	6.6	4	4.5	14	3.9
Prenatal Care: None		7	0.9	4	2.9	1	0.7	1	0.6	0	0.0	1	1.1	6	1.7
Prenatal Care: Inadequate		118	15.5	27	19.3	17	11.3	32	20.4	23	19.0	16	18.4	64	18.0
Maternal Utilization: Medicaid		227	28.0	57	40.7	66	43.7	48	29.3	39	41.1	29	31.9	144	40.0
Maternal Utilization: WIC		167	20.7	53	37.9	64	43.2	52	32.1	65	54.2	34	37.8	128	36.1
Maternal Utilization: FSP		133	16.9	29	21.2	37	25.2	26	16.5	34	28.1	18	20.0	98	33.8
Mother's Age: At Delivery	Under 15	0	0.0	1	0.7	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0
	15-17	7	0.9	2	1.4	2	1.3	1	0.6	1	0.8	0	0.0	4	1.1
	18-19	23	2.8	6	4.3	5	3.3	9	5.5	7	5.6	3	3.3	18	5.0
	20-24	177	21.7	39	27.7	54	35.3	43	26.2	45	36.3	30	33.0	96	26.7
	25-29	328	40.1	51	36.2	50	32.7	50	30.5	51	41.1	31	34.1	117	32.5
	30-34	192	23.5	36	25.5	24	15.7	50	30.5	16	12.9	19	20.9	81	22.5
	35-39	80	9.8	6	4.3	14	9.2	6	3.7	3	2.4	6	6.6	36	10.0
	40 and Over	10	1.2	0	0.0	4	2.6	4	2.4	1	0.8	2	2.2	8	2.2

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>McDonald</u>		<u>Mercer</u>		<u>Miller</u>		<u>Mississippi</u>		<u>Moniteau</u>		<u>Monroe</u>		<u>Montgomery</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		308	100.0	47	100.0	300	100.0	152	100.0	186	100.0	90	100.0	127	100.0
Birth Weight: Under 2500 Grams		29	9.4	2	4.3	22	7.3	18	11.8	14	7.5	9	10.1	8	6.3
Birth Weight: Above 4499 Grams		5	1.6	1	2.1	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0
Gest. Age: Less than 37 Weeks		31	10.1	7	14.9	26	8.7	20	13.2	22	11.8	10	11.1	16	12.7
APGAR (5 Min.): Less than 8		21	6.8	3	6.4	11	3.7	10	6.6	5	2.7	2	2.2	9	7.1
Infant Care: NICU Admission		40	13.0	3	6.4	23	7.7	14	9.2	10	5.4	7	7.8	13	10.2
Infant Care: Transfer		3	1.0	2	4.3	7	2.3	4	2.6	5	2.7	2	2.2	5	3.9
Place of Birth: At-Home Delivery		7	2.3	14	29.8	3	1.0	0	0.0	10	5.4	4	4.4	2	1.6
Method of Delivery: Cesarean		100	32.6	13	28.3	90	30.0	67	44.1	33	17.7	26	28.9	35	27.6
Infant Care: Breastfed		236	77.1	36	80.0	214	75.4	66	45.5	151	84.4	69	81.2	98	81.7
Mat. Smoking: During Preg.		42	13.8	1	2.2	64	21.4	31	20.7	23	12.5	12	13.5	27	21.3
...Quit Smoking During Preg.		9	21.4	0	0.0	14	21.9	5	16.1	2	8.7	5	41.7	9	33.3
Mat. Wt.: Underweight		15	5.0	2	5.6	8	2.7	5	3.4	6	3.2	7	8.0	4	3.2
Mat. Wt.: Obese		101	33.3	4	11.1	108	36.1	49	32.9	54	29.2	23	26.1	45	36.0
Mat. Sing. Wt. Gain: Low		52	19.0	4	13.8	43	16.0	30	22.9	22	13.7	10	12.5	13	12.0
Mat. Sing. Wt. Gain: High		49	17.9	4	13.8	57	21.2	22	16.8	22	13.7	11	13.8	25	23.1
Mother's Education: Under 12 Yrs.		88	28.7	18	38.3	38	12.7	30	19.9	56	30.1	11	12.2	17	13.5
Marital Status: Out-of-Wedlock		139	45.1	9	19.1	122	40.7	94	61.8	56	30.1	29	32.2	53	41.7
Live Birth Order: 4 or More		66	21.6	10	21.3	29	9.7	24	15.8	53	28.5	17	18.9	19	15.0
Birth Spacing: Less than 18 Mos.		45	22.7	5	16.7	36	18.2	18	21.4	13	11.0	8	12.5	10	12.2
Prenatal Care: 1st Trimester		176	58.7	28	63.6	217	74.3	108	71.5	129	72.5	66	74.2	88	73.3
Prenatal Care: 2nd Trimester		76	25.3	10	22.7	62	21.2	33	21.9	39	21.9	17	19.1	24	20.0
Prenatal Care: 3rd Trimester		37	12.3	3	6.8	10	3.4	7	4.6	7	3.9	6	6.7	6	5.0
Prenatal Care: None		11	3.7	3	6.8	3	1.0	3	2.0	3	1.7	0	0.0	2	1.7
Prenatal Care: Inadequate		94	31.4	18	39.1	41	14.4	32	21.5	28	15.7	25	28.1	21	17.8
Maternal Utilization: Medicaid		161	52.3	9	19.1	149	49.7	98	65.3	42	22.7	33	36.7	57	45.2
Maternal Utilization: WIC		174	57.6	7	16.3	122	41.5	110	73.8	56	30.8	31	35.2	54	43.2
Maternal Utilization: FSP		68	30.5	1	2.4	69	23.5	75	51.0	37	20.4	16	19.5	29	24.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	5	1.6	0	0.0	2	0.7	3	2.0	3	1.6	0	0.0	3	2.4
	18-19	23	7.5	1	2.1	15	5.0	18	11.8	8	4.3	5	5.6	9	7.1
	20-24	95	30.8	13	27.7	91	30.3	51	33.6	51	27.4	29	32.2	35	27.6
	25-29	84	27.3	23	48.9	106	35.3	49	32.2	65	34.9	28	31.1	44	34.6
	30-34	60	19.5	6	12.8	59	19.7	22	14.5	38	20.4	19	21.1	21	16.5
	35-39	33	10.7	3	6.4	23	7.7	8	5.3	17	9.1	7	7.8	14	11.0
	40 and Over	8	2.6	1	2.1	4	1.3	1	0.7	4	2.2	2	2.2	1	0.8



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Morgan</u>		<u>New Madrid</u>		<u>Newton</u>		<u>Nodaway</u>		<u>Oregon</u>		<u>Osage</u>		<u>Ozark</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		234	100.0	246	100.0	706	100.0	210	100.0	107	100.0	143	100.0	66	100.0
Birth Weight: Under 2500 Grams		19	8.1	22	8.9	43	6.1	19	9.0	7	6.5	7	4.9	5	7.6
Birth Weight: Above 4499 Grams		5	2.1	3	1.2	4	0.6	3	1.4	2	1.9	2	1.4	1	1.5
Gest. Age: Less than 37 Weeks		23	9.8	28	11.4	60	8.5	21	10.0	10	9.3	13	9.1	9	13.6
APGAR (5 Min.): Less than 8		16	6.8	9	3.7	39	5.5	18	8.7	4	3.8	7	4.9	6	9.1
Infant Care: NICU Admission		20	8.5	18	7.3	73	10.3	8	3.8	4	3.7	6	4.2	7	10.6
Infant Care: Transfer		5	2.1	9	3.7	4	0.6	2	1.0	3	2.8	1	0.7	2	3.0
Place of Birth: At-Home Delivery		11	4.7	0	0.0	7	1.0	6	2.9	3	2.8	1	0.7	2	3.0
Method of Delivery: Cesarean		51	21.8	98	40.0	228	32.3	82	39.0	26	24.3	39	27.3	26	39.4
Infant Care: Breastfed		179	81.0	118	49.6	589	84.5	166	79.0	82	78.1	118	86.1	49	79.0
Mat. Smoking: During Preg.		45	19.3	59	24.1	96	13.7	31	14.8	34	31.8	12	8.5	18	27.7
...Quit Smoking During Preg.		8	17.8	5	8.5	31	32.3	8	25.8	5	14.7	4	33.3	3	16.7
Mat. Wt.: Underweight		8	3.4	9	3.7	21	3.0	5	2.4	6	5.6	5	3.5	2	3.0
Mat. Wt.: Obese		74	31.9	98	39.8	220	31.6	74	35.4	40	37.4	40	28.2	23	34.8
Mat. Sing. Wt. Gain: Low		31	15.3	40	18.9	124	19.5	21	11.5	16	16.5	19	14.8	7	12.3
Mat. Sing. Wt. Gain: High		28	13.8	48	22.6	115	18.1	42	23.0	22	22.7	21	16.4	12	21.1
Mother's Education: Under 12 Yrs.		93	39.9	44	18.0	120	17.0	10	4.8	21	19.6	8	5.6	4	6.1
Marital Status: Out-of-Wedlock		76	32.5	138	56.1	279	39.5	75	35.7	42	39.3	27	18.9	28	42.4
Live Birth Order: 4 or More		54	23.1	31	12.6	107	15.2	22	10.5	18	16.8	13	9.1	8	12.1
Birth Spacing: Less than 18 Mos.		25	15.9	17	11.4	61	13.3	12	9.3	16	23.2	7	7.4	10	20.8
Prenatal Care: 1st Trimester		139	61.0	181	73.9	500	71.9	160	76.6	70	66.0	119	83.8	39	61.9
Prenatal Care: 2nd Trimester		73	32.0	50	20.4	148	21.3	38	18.2	32	30.2	17	12.0	19	30.2
Prenatal Care: 3rd Trimester		12	5.3	12	4.9	35	5.0	11	5.3	2	1.9	4	2.8	3	4.8
Prenatal Care: None		4	1.8	2	0.8	12	1.7	0	0.0	2	1.9	2	1.4	2	3.2
Prenatal Care: Inadequate		53	23.6	40	16.5	139	20.0	34	16.3	26	24.5	16	11.4	19	30.2
Maternal Utilization: Medicaid		88	37.6	145	59.2	339	48.3	64	30.6	67	62.6	22	15.4	35	53.0
Maternal Utilization: WIC		90	39.3	144	60.0	295	42.4	59	28.2	76	71.7	23	16.1	37	56.9
Maternal Utilization: FSP		57	25.1	105	46.5	152	23.2	29	14.2	39	41.1	11	7.7	19	47.5
Mother's Age: At Delivery	Under 15	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	1	0.4	5	2.0	10	1.4	2	1.0	1	0.9	1	0.7	2	3.0
	18-19	14	6.0	17	6.9	44	6.2	4	1.9	6	5.6	2	1.4	1	1.5
	20-24	78	33.3	83	33.7	214	30.3	48	22.9	52	48.6	21	14.7	20	30.3
	25-29	67	28.6	67	27.2	211	29.9	74	35.2	26	24.3	70	49.0	30	45.5
	30-34	53	22.6	61	24.8	144	20.4	52	24.8	11	10.3	41	28.7	8	12.1
	35-39	16	6.8	10	4.1	71	10.1	24	11.4	9	8.4	8	5.6	4	6.1
	40 and Over	5	2.1	2	0.8	12	1.7	6	2.9	2	1.9	0	0.0	1	1.5

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Pemiscot</u>		<u>Perry</u>		<u>Pettis</u>		<u>Phelps</u>		<u>Pike</u>		<u>Platte</u>		<u>Polk</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		241	100.0	213	100.0	601	100.0	418	100.0	202	100.0	1,212	100.0	438	100.0
Birth Weight: Under 2500 Grams		26	10.9	10	4.7	53	8.8	33	7.9	13	6.4	103	8.5	27	6.2
Birth Weight: Above 4499 Grams		3	1.3	4	1.9	10	1.7	7	1.7	2	1.0	12	1.0	7	1.6
Gest. Age: Less than 37 Weeks		30	12.7	19	8.9	54	9.0	36	8.6	18	8.9	129	10.7	33	7.6
APGAR (5 Min.): Less than 8		10	4.2	11	5.2	34	5.7	22	5.3	8	4.0	69	5.7	24	5.6
Infant Care: NICU Admission		17	7.1	12	5.6	53	8.8	23	5.5	11	5.4	117	9.7	29	6.6
Infant Care: Transfer		7	2.9	4	1.9	18	3.0	17	4.1	3	1.5	12	1.0	5	1.1
Place of Birth: At-Home Delivery		2	0.8	0	0.0	3	0.5	10	2.4	3	1.5	8	0.7	20	4.6
Method of Delivery: Cesarean		86	35.7	81	38.0	199	33.1	113	27.0	48	23.8	353	29.2	131	30.0
Infant Care: Breastfed		94	39.3	148	69.8	417	72.5	306	74.8	159	80.7	1,071	89.8	367	86.4
Mat. Smoking: During Preg.		49	20.7	38	17.8	108	18.2	76	18.4	34	17.0	70	5.8	60	13.7
...Quit Smoking During Preg.		8	16.3	8	21.1	26	24.1	19	25.0	5	14.7	18	25.7	16	26.7
Mat. Wt.: Underweight		11	4.7	8	3.8	15	2.6	11	2.6	10	5.0	34	2.8	22	5.0
Mat. Wt.: Obese		91	38.6	68	31.9	165	28.1	148	35.6	63	31.3	301	25.1	129	29.5
Mat. Sing. Wt. Gain: Low		38	19.8	19	10.0	81	15.7	54	14.4	31	16.9	142	13.6	45	11.3
Mat. Sing. Wt. Gain: High		46	24.0	34	17.9	109	21.2	86	22.9	28	15.3	197	18.9	90	22.7
Mother's Education: Under 12 Yrs.		47	19.6	27	12.7	85	14.2	44	10.6	38	18.8	62	5.1	76	17.4
Marital Status: Out-of-Wedlock		165	68.5	77	36.2	256	42.6	143	34.2	74	36.6	312	25.7	133	30.4
Live Birth Order: 4 or More		55	23.1	18	8.5	106	17.6	55	13.2	30	14.9	125	10.3	75	17.1
Birth Spacing: Less than 18 Mos.		40	25.3	11	8.7	54	14.4	27	10.8	22	18.6	80	11.5	43	15.5
Prenatal Care: 1st Trimester		141	60.3	171	80.7	388	65.7	294	71.9	130	68.4	885	74.2	315	73.4
Prenatal Care: 2nd Trimester		71	30.3	33	15.6	160	27.1	80	19.6	44	23.2	232	19.4	74	17.2
Prenatal Care: 3rd Trimester		17	7.3	8	3.8	37	6.3	27	6.6	16	8.4	54	4.5	28	6.5
Prenatal Care: None		5	2.1	0	0.0	6	1.0	8	2.0	0	0.0	22	1.8	12	2.8
Prenatal Care: Inadequate		71	30.6	26	12.5	132	22.5	92	22.5	46	24.7	205	17.3	81	18.8
Maternal Utilization: Medicaid		156	66.1	68	33.0	297	49.5	173	41.4	64	31.8	264	21.9	175	40.1
Maternal Utilization: WIC		157	65.7	90	43.1	284	48.0	168	41.0	67	34.2	180	15.0	168	38.7
Maternal Utilization: FSP		70	62.5	45	21.7	168	29.5	103	25.4	38	19.9	117	12.3	107	25.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	8	3.3	2	0.9	11	1.8	3	0.7	1	0.5	7	0.6	7	1.6
	18-19	23	9.5	10	4.7	38	6.3	14	3.3	12	5.9	25	2.1	25	5.7
	20-24	90	37.3	59	27.7	160	26.6	108	25.8	56	27.7	169	13.9	122	27.9
	25-29	70	29.0	67	31.5	196	32.6	147	35.2	64	31.7	332	27.4	142	32.4
	30-34	34	14.1	55	25.8	127	21.1	102	24.4	48	23.8	425	35.1	108	24.7
	35-39	14	5.8	17	8.0	58	9.7	39	9.3	19	9.4	219	18.1	29	6.6
	40 and Over	2	0.8	3	1.4	11	1.8	5	1.2	2	1.0	35	2.9	5	1.1

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Pulaski</u>		<u>Putnam</u>		<u>Ralls</u>		<u>Randolph</u>		<u>Ray</u>		<u>Reynolds</u>		<u>Ripley</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		720	100.0	47	100.0	91	100.0	270	100.0	248	100.0	68	100.0	156	100.0
Birth Weight: Under 2500 Grams		64	8.9	6	12.8	10	11.0	22	8.1	17	6.9	2	2.9	13	8.3
Birth Weight: Above 4499 Grams		11	1.5	1	2.1	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0
Gest. Age: Less than 37 Weeks		73	10.2	5	10.6	11	12.1	24	8.9	20	8.1	7	10.3	17	10.9
APGAR (5 Min.): Less than 8		53	7.4	8	17.0	5	5.5	14	5.2	12	4.9	3	4.4	2	1.3
Infant Care: NICU Admission		52	7.2	3	6.4	5	5.5	38	14.1	19	7.7	0	0.0	1	0.6
Infant Care: Transfer		28	3.9	2	4.3	2	2.2	3	1.1	2	0.8	2	2.9	6	3.8
Place of Birth: At-Home Delivery		4	0.6	4	8.5	0	0.0	6	2.2	3	1.2	0	0.0	1	0.6
Method of Delivery: Cesarean		148	21.1	12	25.5	28	30.8	88	32.6	64	25.9	19	27.9	38	24.4
Infant Care: Breastfed		551	80.7	40	87.0	79	86.8	200	78.7	183	75.9	46	67.6	97	62.6
Mat. Smoking: During Preg.		93	13.0	9	19.1	13	14.4	60	22.7	46	18.5	25	37.3	42	26.9
...Quit Smoking During Preg.		21	22.6	1	11.1	4	30.8	8	13.3	8	17.4	1	4.0	2	4.8
Mat. Wt.: Underweight		28	3.9	1	2.2	5	5.6	3	1.1	8	3.2	1	1.5	9	5.8
Mat. Wt.: Obese		189	26.4	14	31.1	38	42.2	106	40.0	70	28.2	22	32.8	54	34.6
Mat. Sing. Wt. Gain: Low		102	16.2	6	14.6	10	12.5	45	18.7	39	17.4	7	12.1	24	20.2
Mat. Sing. Wt. Gain: High		135	21.4	4	9.8	12	15.0	47	19.5	37	16.5	17	29.3	30	25.2
Mother's Education: Under 12 Yrs.		56	7.8	13	27.7	5	5.5	47	17.4	31	12.5	8	11.8	36	23.1
Marital Status: Out-of-Wedlock		214	29.7	17	36.2	28	30.8	137	50.7	91	36.7	27	39.7	76	48.7
Live Birth Order: 4 or More		106	14.9	12	25.5	8	8.8	48	17.8	31	12.5	13	19.1	33	21.2
Birth Spacing: Less than 18 Mos.		47	12.5	7	21.9	8	15.1	30	17.3	22	14.4	6	13.6	15	13.5
Prenatal Care: 1st Trimester		437	70.6	37	78.7	82	90.1	186	69.4	180	74.4	47	69.1	116	74.8
Prenatal Care: 2nd Trimester		134	21.6	7	14.9	7	7.7	55	20.5	47	19.4	14	20.6	33	21.3
Prenatal Care: 3rd Trimester		36	5.8	3	6.4	2	2.2	25	9.3	13	5.4	5	7.4	4	2.6
Prenatal Care: None		12	1.9	0	0.0	0	0.0	2	0.7	2	0.8	2	2.9	2	1.3
Prenatal Care: Inadequate		130	21.3	8	17.4	8	8.9	68	25.5	39	16.3	17	25.0	26	16.8
Maternal Utilization: Medicaid		202	28.6	17	36.2	30	33.0	134	49.8	78	31.6	40	65.6	112	72.7
Maternal Utilization: WIC		235	33.1	18	39.1	38	41.8	137	51.9	94	38.4	46	68.7	99	63.9
Maternal Utilization: FSP		122	17.5	4	11.1	14	17.9	75	29.0	40	16.7	26	40.6	69	49.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	7	1.0	0	0.0	1	1.1	6	2.2	4	1.6	1	1.5	4	2.6
	18-19	29	4.0	5	10.6	4	4.4	19	7.0	16	6.5	4	5.9	7	4.5
	20-24	191	26.5	10	21.3	24	26.4	85	31.5	76	30.6	21	30.9	50	32.1
	25-29	272	37.8	18	38.3	36	39.6	84	31.1	90	36.3	22	32.4	56	35.9
	30-34	161	22.4	9	19.1	18	19.8	58	21.5	46	18.5	15	22.1	29	18.6
	35-39	51	7.1	3	6.4	5	5.5	16	5.9	14	5.6	4	5.9	9	5.8
	40 and Over	9	1.3	2	4.3	3	3.3	2	0.7	2	0.8	1	1.5	1	0.6



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Saline</u>		<u>Schuyler</u>		<u>Scotland</u>		<u>Scott</u>		<u>Shannon</u>		<u>Shelby</u>		<u>St. Charles</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		271	100.0	66	100.0	78	100.0	491	100.0	88	100.0	72	100.0	4,306	100.0
Birth Weight: Under 2500 Grams		33	12.2	7	10.6	6	7.7	49	10.0	2	2.3	8	11.1	341	7.9
Birth Weight: Above 4499 Grams		3	1.1	2	3.0	0	0.0	1	0.2	0	0.0	0	0.0	49	1.1
Gest. Age: Less than 37 Weeks		34	12.5	7	10.6	8	10.3	53	10.9	5	5.8	9	12.5	451	10.5
APGAR (5 Min.): Less than 8		17	6.3	2	3.1	9	11.5	28	5.7	3	3.4	8	11.1	211	4.9
Infant Care: NICU Admission		22	8.1	2	3.0	9	11.5	39	7.9	3	3.4	8	11.1	401	9.3
Infant Care: Transfer		2	0.7	1	1.5	4	5.1	7	1.4	2	2.3	0	0.0	69	1.6
Place of Birth: At-Home Delivery		4	1.5	20	30.3	22	28.2	2	0.4	2	2.3	3	4.2	26	0.6
Method of Delivery: Cesarean		107	39.5	16	24.2	19	24.4	173	35.3	24	27.3	25	34.7	1,393	32.4
Infant Care: Breastfed		180	70.9	57	90.5	61	88.4	287	59.7	63	72.4	58	87.9	3,665	86.3
Mat. Smoking: During Preg.		66	24.6	4	6.2	10	12.8	109	22.4	23	26.1	9	12.5	259	6.0
...Quit Smoking During Preg.		14	21.2	1	25.0	1	10.0	23	21.1	4	17.4	1	11.1	85	32.8
Mat. Wt.: Underweight		9	3.3	2	3.5	3	3.9	18	3.7	5	5.7	1	1.4	119	2.8
Mat. Wt.: Obese		108	39.9	22	38.6	17	22.1	181	37.1	20	22.7	21	29.6	1,049	24.6
Mat. Sing. Wt. Gain: Low		36	15.6	9	18.0	7	10.3	74	17.1	13	16.0	8	12.7	409	11.0
Mat. Sing. Wt. Gain: High		53	22.9	4	8.0	7	10.3	89	20.6	18	22.2	12	19.0	853	23.0
Mother's Education: Under 12 Yrs.		45	16.6	26	39.4	50	64.1	55	11.2	14	16.1	12	16.7	152	3.5
Marital Status: Out-of-Wedlock		117	43.2	13	19.7	13	16.7	264	53.8	33	37.5	19	26.4	1,020	23.7
Live Birth Order: 4 or More		46	17.0	15	22.7	22	28.2	66	13.4	18	20.5	9	12.5	394	9.2
Birth Spacing: Less than 18 Mos.		17	10.2	6	13.3	2	3.8	54	17.1	0	0.0	5	10.9	235	9.4
Prenatal Care: 1st Trimester		192	74.1	38	58.5	43	57.3	345	71.3	63	72.4	60	83.3	3,287	79.3
Prenatal Care: 2nd Trimester		48	18.5	17	26.2	27	36.0	107	22.1	18	20.7	10	13.9	725	17.5
Prenatal Care: 3rd Trimester		17	6.6	9	13.8	5	6.7	24	5.0	3	3.4	2	2.8	104	2.5
Prenatal Care: None		2	0.8	1	1.5	0	0.0	8	1.7	3	3.4	0	0.0	30	0.7
Prenatal Care: Inadequate		49	18.8	23	34.8	30	41.1	92	19.3	14	16.3	12	16.9	455	11.1
Maternal Utilization: Medicaid		104	38.4	14	21.2	16	20.5	258	53.2	60	68.2	23	31.9	664	15.5
Maternal Utilization: WIC		132	49.4	17	25.8	11	14.1	255	53.7	49	55.7	27	37.5	496	11.7
Maternal Utilization: FSP		65	25.0	6	10.7	7	9.3	184	39.6	26	31.0	16	22.9	354	8.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	2	0.7	1	1.5	0	0.0	6	1.2	1	1.1	1	1.4	21	0.5
	18-19	8	3.0	1	1.5	2	2.6	18	3.7	5	5.7	3	4.2	74	1.7
	20-24	67	24.7	23	34.8	25	32.1	162	33.0	22	25.0	14	19.4	452	10.5
	25-29	99	36.5	27	40.9	32	41.0	154	31.4	30	34.1	31	43.1	1,279	29.7
	30-34	74	27.3	10	15.2	10	12.8	100	20.4	20	22.7	14	19.4	1,626	37.8
	35-39	20	7.4	2	3.0	5	6.4	44	9.0	7	8.0	9	12.5	732	17.0
	40 and Over	1	0.4	2	3.0	4	5.1	7	1.4	3	3.4	0	0.0	122	2.8

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>St. Clair</u>		<u>St. Francois</u>		<u>St. Louis City</u>		<u>St. Louis County</u>		<u>Ste. Genevieve</u>		<u>Stoddard</u>		<u>Stone</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		93	100.0	664	100.0	3,952	100.0	11,386	100.0	205	100.0	336	100.0	254	100.0
Birth Weight: Under 2500 Grams		2	2.2	66	9.9	484	12.2	1,174	10.3	17	8.3	30	8.9	15	5.9
Birth Weight: Above 4499 Grams		3	3.2	8	1.2	24	0.6	86	0.8	1	0.5	4	1.2	4	1.6
Gest. Age: Less than 37 Weeks		10	10.8	82	12.4	505	12.8	1,370	12.0	22	10.7	45	13.4	25	9.8
APGAR (5 Min.): Less than 8		5	5.7	32	4.8	294	7.5	628	5.5	12	5.9	18	5.4	17	6.7
Infant Care: NICU Admission		3	3.2	68	10.2	399	10.1	1,180	10.4	20	9.8	28	8.3	21	8.3
Infant Care: Transfer		2	2.2	42	6.3	156	3.9	236	2.1	7	3.4	19	5.7	6	2.4
Place of Birth: At-Home Delivery		19	20.4	3	0.5	22	0.6	43	0.4	1	0.5	0	0.0	1	0.4
Method of Delivery: Cesarean		16	17.4	231	34.8	1,093	27.7	3,789	33.3	70	34.1	102	30.4	72	28.3
Infant Care: Breastfed		71	82.6	419	64.9	2,908	74.8	9,044	80.5	141	70.5	228	68.1	213	86.9
Mat. Smoking: During Preg.		19	20.4	156	23.7	364	9.4	701	6.2	37	18.1	66	19.8	51	20.1
...Quit Smoking During Preg.		3	15.8	30	19.2	88	24.2	211	30.1	5	13.5	16	24.2	8	15.7
Mat. Wt.: Underweight		4	4.3	25	3.8	147	3.8	335	3.0	5	2.5	10	3.0	11	4.3
Mat. Wt.: Obese		31	33.3	224	34.3	1,072	28.0	3,123	27.9	57	27.9	113	33.7	80	31.5
Mat. Sing. Wt. Gain: Low		16	19.5	96	17.5	541	17.1	1,174	12.3	29	16.5	44	15.9	41	18.1
Mat. Sing. Wt. Gain: High		12	14.6	117	21.3	621	19.6	2,023	21.2	39	22.2	64	23.1	44	19.4
Mother's Education: Under 12 Yrs.		33	35.5	83	12.6	592	15.1	746	6.6	19	9.3	47	14.0	32	12.6
Marital Status: Out-of-Wedlock		29	31.2	309	46.5	2,355	59.6	4,647	40.8	80	39.0	141	42.0	108	42.5
Live Birth Order: 4 or More		22	23.7	87	13.1	593	15.1	1,364	12.0	28	13.7	48	14.3	39	15.4
Birth Spacing: Less than 18 Mos.		12	20.0	47	12.9	291	14.4	712	11.1	20	14.9	26	12.1	26	17.1
Prenatal Care: 1st Trimester		52	58.4	432	66.7	2,040	56.8	7,428	70.4	142	72.8	252	75.4	173	68.7
Prenatal Care: 2nd Trimester		29	32.6	183	28.2	857	23.9	2,325	22.0	40	20.5	64	19.2	63	25.0
Prenatal Care: 3rd Trimester		8	9.0	30	4.6	323	9.0	530	5.0	10	5.1	14	4.2	13	5.2
Prenatal Care: None		0	0.0	3	0.5	371	10.3	265	2.5	3	1.5	4	1.2	3	1.2
Prenatal Care: Inadequate		30	33.7	123	19.2	1,382	39.1	2,141	20.8	36	18.7	52	15.8	55	22.0
Maternal Utilization: Medicaid		39	42.9	240	47.1	2,100	53.7	3,601	32.1	72	36.0	174	52.6	151	59.9
Maternal Utilization: WIC		37	41.1	364	55.7	1,605	42.3	2,821	25.6	78	38.2	160	48.0	134	52.8
Maternal Utilization: FSP		21	23.6	211	32.8	1,542	41.4	2,611	24.0	43	21.6	99	30.7	76	30.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	4	0.1	15	0.1	0	0.0	0	0.0	0	0.0
	15-17	2	2.2	8	1.2	65	1.6	100	0.9	2	1.0	3	0.9	6	2.4
	18-19	4	4.3	50	7.5	158	4.0	304	2.7	11	5.4	30	8.9	10	3.9
	20-24	30	32.3	208	31.3	755	19.1	1,718	15.1	40	19.5	107	31.8	85	33.5
	25-29	37	39.8	220	33.1	1,176	29.8	3,116	27.4	69	33.7	104	31.0	77	30.3
	30-34	13	14.0	117	17.6	1,139	28.8	3,818	33.5	68	33.2	73	21.7	56	22.0
	35-39	6	6.5	52	7.8	550	13.9	1,962	17.2	14	6.8	17	5.1	16	6.3
	40 and Over	1	1.1	9	1.4	105	2.7	352	3.1	1	0.5	2	0.6	4	1.6

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Sullivan</u>		<u>Taney</u>		<u>Texas</u>		<u>Vernon</u>		<u>Warren</u>		<u>Washington</u>		<u>Wayne</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		86	100.0	626	100.0	277	100.0	241	100.0	422	100.0	276	100.0	142	100.0
Birth Weight: Under 2500 Grams		10	11.6	59	9.4	14	5.1	18	7.5	40	9.5	19	6.9	20	14.1
Birth Weight: Above 4499 Grams		1	1.2	2	0.3	2	0.7	1	0.4	5	1.2	2	0.7	1	0.7
Gest. Age: Less than 37 Weeks		11	12.9	61	9.7	25	9.0	17	7.1	51	12.1	24	8.7	22	15.6
APGAR (5 Min.): Less than 8		9	10.5	49	7.8	15	5.4	10	4.1	19	4.5	15	5.5	6	4.3
Infant Care: NICU Admission		2	2.3	41	6.5	21	7.6	13	5.4	26	6.2	17	6.2	15	10.6
Infant Care: Transfer		4	4.7	19	3.0	7	2.5	7	2.9	10	2.4	6	2.2	11	7.7
Place of Birth: At-Home Delivery		1	1.2	5	0.8	11	4.0	22	9.1	3	0.7	0	0.0	4	2.8
Method of Delivery: Cesarean		27	31.4	187	29.9	76	27.5	53	22.5	114	27.0	94	34.2	42	29.8
Infant Care: Breastfed		68	81.9	504	82.4	210	79.5	181	77.0	308	74.0	167	61.6	81	57.4
Mat. Smoking: During Preg.		16	19.3	128	20.4	63	22.9	38	15.8	74	17.7	73	27.0	38	27.1
...Quit Smoking During Preg.		4	25.0	36	28.1	11	17.5	7	18.4	8	10.8	10	13.7	9	23.7
Mat. Wt.: Underweight		4	4.7	34	5.5	5	1.8	11	4.6	12	2.9	10	3.8	5	3.6
Mat. Wt.: Obese		31	36.5	161	26.0	94	34.6	69	29.1	123	29.3	91	34.2	45	32.4
Mat. Sing. Wt. Gain: Low		15	20.8	71	12.8	35	14.3	31	14.5	57	15.5	48	20.5	18	15.8
Mat. Sing. Wt. Gain: High		11	15.3	124	22.3	62	25.3	37	17.3	87	23.7	45	19.2	18	15.8
Mother's Education: Under 12 Yrs.		19	22.1	87	13.9	51	18.4	53	22.0	44	10.5	45	16.4	18	12.7
Marital Status: Out-of-Wedlock		42	48.8	293	46.8	110	39.7	110	45.6	166	39.3	139	50.4	74	52.1
Live Birth Order: 4 or More		6	7.0	89	14.2	51	18.5	50	20.8	68	16.1	39	14.2	23	16.3
Birth Spacing: Less than 18 Mos.		6	13.3	54	14.4	28	17.4	26	16.6	39	14.8	34	20.9	14	16.5
Prenatal Care: 1st Trimester		68	80.0	434	70.0	181	70.4	157	66.5	294	72.8	171	63.8	97	68.8
Prenatal Care: 2nd Trimester		15	17.6	144	23.2	52	20.2	56	23.7	79	19.6	75	28.0	33	23.4
Prenatal Care: 3rd Trimester		2	2.4	31	5.0	18	7.0	15	6.4	26	6.4	19	7.1	9	6.4
Prenatal Care: None		0	0.0	11	1.8	6	2.3	8	3.4	5	1.2	3	1.1	2	1.4
Prenatal Care: Inadequate		12	14.1	125	20.3	64	26.4	61	26.6	75	18.8	56	21.1	32	22.7
Maternal Utilization: Medicaid		34	39.5	393	62.8	151	55.1	106	44.7	144	34.5	140	62.8	94	67.1
Maternal Utilization: WIC		47	56.0	342	55.3	149	54.4	102	43.0	101	24.3	185	69.5	93	66.4
Maternal Utilization: FSP		17	21.8	172	28.3	77	28.7	58	27.2	87	21.6	107	41.3	56	44.8
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	1	1.2	12	1.9	3	1.1	6	2.5	3	0.7	9	3.3	2	1.4
	18-19	8	9.3	35	5.6	18	6.5	14	5.8	20	4.7	27	9.8	13	9.2
	20-24	37	43.0	183	29.2	90	32.7	82	34.0	85	20.1	91	33.0	56	39.4
	25-29	22	25.6	194	31.0	81	29.5	74	30.7	146	34.6	92	33.3	37	26.1
	30-34	12	14.0	131	20.9	59	21.5	44	18.3	108	25.6	36	13.0	21	14.8
	35-39	5	5.8	60	9.6	19	6.9	14	5.8	52	12.3	19	6.9	12	8.5
	40 and Over	1	1.2	11	1.8	5	1.8	7	2.9	8	1.9	2	0.7	1	0.7

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2019**

		<u>Webster</u>		<u>Worth</u>		<u>Wright</u>	
		Number	Percent	Number	Percent	Number	Percent
Live Births		619	100.0	21	100.0	256	100.0
Birth Weight: Under 2500 Grams		46	7.5	1	5.0	21	8.2
Birth Weight: Above 4499 Grams		12	1.9	0	0.0	6	2.3
Gest. Age: Less than 37 Weeks		61	9.9	3	14.3	27	10.6
APGAR (5 Min.): Less than 8		32	6.2	0	0.0	13	5.3
Infant Care: NICU Admission		52	8.4	1	4.8	22	8.6
Infant Care: Transfer		4	0.6	1	4.8	2	0.8
Place of Birth: At-Home Delivery		93	15.0	0	0.0	11	4.3
Method of Delivery: Cesarean		153	25.2	10	47.6	55	21.5
Infant Care: Breastfed		526	87.5	17	81.0	204	81.6
Mat. Smoking: During Preg.		81	13.1	7	33.3	48	18.8
...Quit Smoking During Preg.		15	18.5	2	28.6	9	18.8
Mat. Wt.: Underweight		21	3.4	1	4.8	5	2.0
Mat. Wt.: Obese		196	32.0	9	42.9	75	29.5
Mat. Sing. Wt. Gain: Low		84	15.9	0	0.0	34	15.3
Mat. Sing. Wt. Gain: High		93	17.6	6	33.3	37	16.7
Mother's Education: Under 12 Yrs.		207	33.4	3	14.3	50	19.5
Marital Status: Out-of-Wedlock		161	26.0	10	47.6	87	34.0
Live Birth Order: 4 or More		160	25.8	1	4.8	47	18.4
Birth Spacing: Less than 18 Mos.		105	25.3	0	0.0	25	15.8
Prenatal Care: 1st Trimester		365	61.4	15	71.4	143	57.9
Prenatal Care: 2nd Trimester		143	24.1	5	23.8	59	23.9
Prenatal Care: 3rd Trimester		54	9.1	1	4.8	29	11.7
Prenatal Care: None		32	5.4	0	0.0	16	6.5
Prenatal Care: Inadequate		225	38.0	6	28.6	79	31.7
Maternal Utilization: Medicaid		233	37.6	8	38.1	130	51.4
Maternal Utilization: WIC		206	33.6	6	28.6	122	48.2
Maternal Utilization: FSP		114	18.7	5	23.8	86	34.1
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0
	15-17	10	1.6	1	4.8	3	1.2
	18-19	30	4.8	0	0.0	16	6.3
	20-24	211	34.1	4	19.0	89	34.8
	25-29	184	29.7	14	66.7	77	30.1
	30-34	108	17.4	1	4.8	51	19.9
	35-39	66	10.7	0	0.0	17	6.6
	40 and Over	10	1.6	1	4.8	3	1.2

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2019**

		<u>Ballwin</u>		<u>Blue Springs</u>		<u>Cape Girardeau</u>		<u>Chesterfield</u>		<u>Columbia</u>		<u>Florissant</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		336	100.0	629	100.0	407	100.0	391	100.0	1,366	100.0	697	100.0
Birth Weight: Under 2500 Grams		33	9.8	41	6.5	42	10.3	26	6.7	129	9.4	94	13.5
Birth Weight: Above 4499 Grams		2	0.6	10	1.6	2	0.5	4	1.0	9	0.7	2	0.3
Gest. Age: Less than 37 Weeks		36	10.7	64	10.2	48	11.9	30	7.7	132	9.7	98	14.1
APGAR (5 Min.): Less than 8		11	3.3	52	8.3	24	5.9	16	4.1	95	7.0	49	7.1
Infant Care: NICU Admission		36	10.7	64	10.2	41	10.1	32	8.2	186	13.6	81	11.6
Infant Care: Transfer		4	1.2	9	1.4	5	1.2	2	0.5	6	0.4	30	4.3
Place of Birth: At-Home Delivery		3	0.9	7	1.1	4	1.0	1	0.3	12	0.9	2	0.3
Method of Delivery: Cesarean		106	31.5	158	25.1	118	29.0	134	34.3	451	33.0	240	34.4
Infant Care: Breastfed		300	90.4	532	85.7	256	64.3	358	92.0	1,144	88.4	522	76.2
Mat. Smoking: During Preg.		8	2.4	58	9.2	73	18.1	4	1.0	111	8.3	58	8.4
...Quit Smoking During Preg.		5	62.5	16	27.6	14	19.2	2	50.0	32	28.8	13	22.4
Mat. Wt.: Underweight		4	1.2	19	3.0	11	2.7	17	4.4	52	3.9	20	2.9
Mat. Wt.: Obese		55	16.5	195	31.3	139	34.2	52	13.5	322	24.1	280	40.7
Mat. Sing. Wt. Gain: Low		25	8.7	72	13.1	62	17.5	20	5.7	166	13.9	112	19.4
Mat. Sing. Wt. Gain: High		70	24.4	123	22.4	68	19.2	75	21.4	213	17.8	122	21.1
Mother's Education: Under 12 Yrs.		5	1.5	45	7.2	66	16.2	9	2.3	110	8.1	52	7.5
Marital Status: Out-of-Wedlock		31	9.2	203	32.3	215	52.8	31	7.9	456	33.4	415	59.5
Live Birth Order: 4 or More		23	6.8	88	14.0	70	17.3	35	9.0	148	10.8	106	15.2
Birth Spacing: Less than 18 Mos.		21	10.5	36	9.7	27	10.8	17	7.3	76	10.1	42	10.6
Prenatal Care: 1st Trimester		262	80.6	489	79.1	289	72.6	298	78.6	1,067	79.2	416	63.9
Prenatal Care: 2nd Trimester		54	16.6	85	13.8	79	19.8	68	17.9	207	15.4	178	27.3
Prenatal Care: 3rd Trimester		8	2.5	32	5.2	24	6.0	10	2.6	64	4.7	43	6.6
Prenatal Care: None		1	0.3	12	1.9	6	1.5	3	0.8	10	0.7	14	2.2
Prenatal Care: Inadequate		25	7.9	87	14.4	72	18.6	48	13.2	216	16.3	166	26.0
Maternal Utilization: Medicaid		29	8.8	172	27.6	210	52.1	27	7.0	425	31.2	278	40.1
Maternal Utilization: WIC		13	4.0	124	20.2	149	38.3	25	6.6	319	24.3	241	35.6
Maternal Utilization: FSP		7	2.2	84	15.4	138	36.1	5	1.3	248	19.2	214	32.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	15-17	0	0.0	6	1.0	8	2.0	1	0.3	11	0.8	3	0.4
	18-19	0	0.0	15	2.4	19	4.7	2	0.5	39	2.9	26	3.7
	20-24	15	4.5	114	18.1	99	24.3	22	5.6	204	14.9	157	22.5
	25-29	77	22.9	195	31.0	118	29.0	68	17.4	434	31.8	229	32.9
	30-34	159	47.3	204	32.4	120	29.5	165	42.2	455	33.3	192	27.5
	35-39	78	23.2	87	13.8	36	8.8	109	27.9	181	13.3	77	11.0
	40 and Over	7	2.1	8	1.3	7	1.7	24	6.1	41	3.0	12	1.7



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2019**

		<u>Gladstone</u>		<u>Hazelwood</u>		<u>Independence</u>		<u>Jefferson City</u>		<u>Joplin - Total</u>		<u>Joplin - Jasper County</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		307	100.0	349	100.0	1,454	100.0	470	100.0	671	100.0	613	100.0
Birth Weight: Under 2500 Grams		29	9.4	41	11.7	136	9.4	41	8.7	51	7.6	47	7.7
Birth Weight: Above 4499 Grams		2	0.7	4	1.1	8	0.6	4	0.9	9	1.3	8	1.3
Gest. Age: Less than 37 Weeks		34	11.1	45	12.9	175	12.0	48	10.2	70	10.4	66	10.8
APGAR (5 Min.): Less than 8		17	5.6	24	6.9	96	6.6	24	5.1	35	5.2	30	4.9
Infant Care: NICU Admission		33	10.7	38	10.9	179	12.3	50	10.6	84	12.5	77	12.6
Infant Care: Transfer		4	1.3	9	2.6	17	1.2	8	1.7	3	0.4	3	0.5
Place of Birth: At-Home Delivery		2	0.7	1	0.3	12	0.8	4	0.9	6	0.9	6	1.0
Method of Delivery: Cesarean		92	30.1	133	38.1	374	25.7	134	28.5	219	32.6	203	33.1
Infant Care: Breastfed		263	87.1	249	72.2	1,097	77.1	361	81.3	527	79.1	477	78.3
Mat. Smoking: During Preg.		32	10.5	31	8.9	249	17.2	59	12.6	124	18.6	115	18.9
...Quit Smoking During Preg.		6	18.8	10	32.3	51	20.5	15	25.4	30	24.2	27	23.5
Mat. Wt.: Underweight		14	4.6	10	2.9	66	4.6	17	3.6	29	4.3	27	4.4
Mat. Wt.: Obese		112	36.8	135	39.0	510	35.5	167	35.8	210	31.5	192	31.4
Mat. Sing. Wt. Gain: Low		53	19.8	34	11.7	195	15.6	65	15.9	103	17.5	88	16.4
Mat. Sing. Wt. Gain: High		60	22.4	66	22.7	274	22.0	89	21.7	139	23.6	125	23.3
Mother's Education: Under 12 Yrs.		21	6.9	34	9.8	234	16.1	41	8.7	89	13.3	83	13.5
Marital Status: Out-of-Wedlock		117	38.1	213	61.0	815	56.1	208	44.3	323	48.1	298	48.6
Live Birth Order: 4 or More		37	12.1	57	16.3	221	15.2	56	11.9	88	13.2	82	13.5
Birth Spacing: Less than 18 Mos.		18	10.1	21	10.1	125	14.4	30	11.2	54	14.1	49	14.2
Prenatal Care: 1st Trimester		210	70.5	212	67.3	908	64.1	363	79.1	469	71.1	429	71.3
Prenatal Care: 2nd Trimester		65	21.8	80	25.4	390	27.5	78	17.0	128	19.4	117	19.4
Prenatal Care: 3rd Trimester		20	6.7	17	5.4	86	6.1	14	3.1	42	6.4	38	6.3
Prenatal Care: None		3	1.0	6	1.9	33	2.3	4	0.9	21	3.2	18	3.0
Prenatal Care: Inadequate		74	25.1	75	24.0	341	24.5	73	16.0	130	19.7	119	19.8
Maternal Utilization: Medicaid		99	32.5	154	44.6	770	53.1	170	36.2	337	50.8	311	51.2
Maternal Utilization: WIC		64	21.2	146	42.7	618	43.1	173	37.0	265	40.6	245	41.1
Maternal Utilization: FSP		47	17.2	109	32.8	425	32.1	134	28.8	195	30.6	186	31.8
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
	15-17	2	0.7	2	0.6	27	1.9	2	0.4	11	1.6	11	1.8
	18-19	10	3.3	19	5.4	69	4.7	24	5.1	50	7.5	48	7.8
	20-24	64	20.8	76	21.8	435	29.9	91	19.4	186	27.7	170	27.7
	25-29	104	33.9	105	30.1	463	31.8	175	37.2	227	33.8	214	34.9
	30-34	79	25.7	95	27.2	298	20.5	119	25.3	143	21.3	126	20.6
	35-39	44	14.3	42	12.0	133	9.1	51	10.9	52	7.7	43	7.0
	40 and Over	4	1.3	10	2.9	28	1.9	8	1.7	2	0.3	1	0.2

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2019**

		<u>Joplin - Newton County</u>		<u>Kansas City - Total</u>		<u>Kansas City - Jackson County</u>		<u>Kansas City - Clay County</u>		<u>Kansas City - Platte County</u>		<u>Kansas City - Cass County</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		58	100.0	6,898	100.0	4,381	100.0	1,855	100.0	661	100.0	1	100.0
Birth Weight: Under 2500 Grams		4	6.9	660	9.6	489	11.2	111	6.0	60	9.1	0	0.0
Birth Weight: Above 4499 Grams		1	1.7	46	0.7	32	0.7	9	0.5	5	0.8	0	0.0
Gest. Age: Less than 37 Weeks		4	6.9	727	10.5	500	11.4	158	8.5	69	10.5	0	0.0
APGAR (5 Min.): Less than 8		5	8.6	387	5.6	263	6.0	89	4.8	35	5.3	0	0.0
Infant Care: NICU Admission		7	12.1	808	11.7	594	13.6	146	7.9	68	10.3	0	0.0
Infant Care: Transfer		0	0.0	56	0.8	37	0.8	12	0.6	7	1.1	0	0.0
Place of Birth: At-Home Delivery		0	0.0	88	1.3	73	1.7	13	0.7	2	0.3	0	0.0
Method of Delivery: Cesarean		16	27.6	1,912	27.7	1,172	26.8	547	29.6	193	29.3	0	0.0
Infant Care: Breastfed		50	87.7	5,358	78.9	3,189	73.9	1,582	86.9	586	90.0	1	100.0
Mat. Smoking: During Preg.		9	15.8	506	7.4	363	8.4	120	6.5	23	3.5	0	0.0
...Quit Smoking During Preg.		3	33.3	122	24.1	78	21.5	36	30.0	8	34.8	0	0.0
Mat. Wt.: Underweight		2	3.6	252	3.8	169	4.0	65	3.6	17	2.6	1	100.0
Mat. Wt.: Obese		18	32.1	1,922	28.9	1,227	29.3	522	28.6	173	26.6	0	0.0
Mat. Sing. Wt. Gain: Low		15	28.8	983	16.6	650	17.6	248	15.1	85	14.9	0	0.0
Mat. Sing. Wt. Gain: High		14	26.9	1,155	19.5	711	19.3	333	20.2	111	19.5	0	0.0
Mother's Education: Under 12 Yrs.		6	10.5	965	14.1	821	18.8	110	5.9	34	5.2	0	0.0
Marital Status: Out-of-Wedlock		25	43.1	3,263	47.3	2,498	57.0	587	31.6	178	26.9	0	0.0
Live Birth Order: 4 or More		6	10.3	1,069	15.5	811	18.5	201	10.8	57	8.6	0	0.0
Birth Spacing: Less than 18 Mos.		5	12.8	534	13.1	365	13.9	128	11.7	41	11.6	0	0.0
Prenatal Care: 1st Trimester		40	69.0	4,415	65.5	2,568	60.2	1,360	74.7	487	74.8	0	0.0
Prenatal Care: 2nd Trimester		11	19.0	1,657	24.6	1,183	27.7	352	19.3	122	18.7	0	0.0
Prenatal Care: 3rd Trimester		4	6.9	497	7.4	375	8.8	94	5.2	27	4.1	1	100.0
Prenatal Care: None		3	5.2	169	2.5	140	3.3	14	0.8	15	2.3	0	0.0
Prenatal Care: Inadequate		11	19.0	1,781	26.6	1,363	32.0	307	17.1	110	17.1	1	100.0
Maternal Utilization: Medicaid		26	46.4	3,008	43.9	2,382	54.9	483	26.1	142	21.6	1	100.0
Maternal Utilization: WIC		20	35.7	2,412	35.7	1,961	46.0	357	19.5	94	14.4	0	0.0
Maternal Utilization: FSP		9	17.3	1,795	32.7	1,476	43.8	259	16.1	60	11.6	0	0.0
Mother's Age: At Delivery	Under 15	0	0.0	5	0.1	5	0.1	0	0.0	0	0.0	0	0.0
	15-17	0	0.0	107	1.6	86	2.0	17	0.9	4	0.6	0	0.0
	18-19	2	3.4	270	3.9	219	5.0	34	1.8	17	2.6	0	0.0
	20-24	16	27.6	1,415	20.5	1,031	23.5	293	15.8	91	13.8	0	0.0
	25-29	13	22.4	2,065	29.9	1,258	28.7	626	33.7	181	27.4	0	0.0
	30-34	17	29.3	1,950	28.3	1,110	25.3	601	32.4	238	36.0	1	100.0
	35-39	9	15.5	914	13.3	559	12.8	242	13.0	113	17.1	0	0.0
	40 and Over	1	1.7	172	2.5	113	2.6	42	2.3	17	2.6	0	0.0

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2019**

		<u>Kirkwood</u>		<u>Lee's Summit</u>		<u>Liberty</u>		<u>Maryland Heights</u>		<u>O'Fallon</u>		<u>Raytown</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		312	100.0	948	100.0	327	100.0	379	100.0	913	100.0	375	100.0
Birth Weight: Under 2500 Grams		25	8.0	60	6.3	36	11.0	31	8.2	66	7.2	40	10.7
Birth Weight: Above 4499 Grams		4	1.3	8	0.8	5	1.5	2	0.5	16	1.8	3	0.8
Gest. Age: Less than 37 Weeks		29	9.3	87	9.2	39	12.0	38	10.0	94	10.3	45	12.0
APGAR (5 Min.): Less than 8		12	3.8	44	4.6	26	8.0	26	6.9	43	4.7	27	7.2
Infant Care: NICU Admission		31	9.9	101	10.7	38	11.6	36	9.5	79	8.7	49	13.1
Infant Care: Transfer		5	1.6	8	0.8	5	1.5	2	0.5	12	1.3	5	1.3
Place of Birth: At-Home Delivery		2	0.6	14	1.5	3	0.9	1	0.3	3	0.3	3	0.8
Method of Delivery: Cesarean		102	32.7	244	25.7	81	24.8	152	40.1	296	32.4	104	27.7
Infant Care: Breastfed		283	92.2	857	91.7	280	87.8	327	87.2	764	84.5	286	77.7
Mat. Smoking: During Preg.		11	3.5	40	4.2	32	9.9	13	3.4	45	5.0	37	9.9
...Quit Smoking During Preg.		4	36.4	12	30.0	13	40.6	2	15.4	24	53.3	10	27.0
Mat. Wt.: Underweight		8	2.6	30	3.2	10	3.1	12	3.2	22	2.4	17	4.6
Mat. Wt.: Obese		43	13.8	213	22.8	94	29.1	95	25.5	229	25.3	124	33.9
Mat. Sing. Wt. Gain: Low		20	7.3	80	9.8	34	12.1	54	16.2	82	10.4	58	18.4
Mat. Sing. Wt. Gain: High		41	15.0	160	19.5	67	23.8	52	15.6	177	22.4	78	24.8
Mother's Education: Under 12 Yrs.		5	1.6	30	3.2	13	4.0	18	4.7	34	3.7	38	10.2
Marital Status: Out-of-Wedlock		52	16.7	201	21.2	108	33.0	100	26.4	192	21.0	232	61.9
Live Birth Order: 4 or More		26	8.4	97	10.2	22	6.7	21	5.5	70	7.7	44	11.8
Birth Spacing: Less than 18 Mos.		19	10.6	32	5.9	24	13.0	17	8.7	42	7.6	21	10.5
Prenatal Care: 1st Trimester		237	79.8	781	83.2	261	81.1	270	74.0	728	81.5	245	65.9
Prenatal Care: 2nd Trimester		51	17.2	124	13.2	44	13.7	77	21.1	142	15.9	93	25.0
Prenatal Care: 3rd Trimester		5	1.7	25	2.7	10	3.1	18	4.9	19	2.1	29	7.8
Prenatal Care: None		4	1.3	9	1.0	7	2.2	0	0.0	4	0.4	5	1.3
Prenatal Care: Inadequate		38	13.0	92	10.0	46	14.4	54	15.0	92	10.4	90	24.5
Maternal Utilization: Medicaid		40	13.0	150	15.9	77	23.6	63	16.8	122	13.5	181	48.7
Maternal Utilization: WIC		19	6.2	109	11.8	52	16.1	47	12.8	103	11.5	154	42.1
Maternal Utilization: FSP		19	6.3	64	8.7	41	13.9	35	9.6	71	8.1	93	29.8
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	0	0.0	3	0.3	3	0.9	2	0.5	2	0.2	4	1.1
	18-19	1	0.3	21	2.2	9	2.8	5	1.3	18	2.0	29	7.7
	20-24	18	5.8	106	11.2	64	19.6	48	12.7	86	9.4	80	21.3
	25-29	58	18.6	295	31.1	111	33.9	121	31.9	272	29.8	128	34.1
	30-34	142	45.5	350	36.9	96	29.4	122	32.2	352	38.6	83	22.1
	35-39	86	27.6	146	15.4	33	10.1	72	19.0	163	17.9	42	11.2
	40 and Over	7	2.2	27	2.8	11	3.4	9	2.4	20	2.2	9	2.4



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2019**

		<u>St. Charles</u>		<u>St. Joseph</u>		<u>St. Louis City</u>		<u>St. Peters</u>		<u>Springfield</u>		<u>University City</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		782	100.0	924	100.0	3,952	100.0	616	100.0	1,957	100.0	412	100.0
Birth Weight: Under 2500 Grams		46	5.9	93	10.1	484	12.2	58	9.4	178	9.1	43	10.4
Birth Weight: Above 4499 Grams		6	0.8	10	1.1	24	0.6	9	1.5	31	1.6	3	0.7
Gest. Age: Less than 37 Weeks		63	8.1	120	13.0	505	12.8	73	11.9	213	10.9	40	9.7
APGAR (5 Min.): Less than 8		38	4.9	36	3.9	294	7.5	32	5.2	111	5.7	29	7.0
Infant Care: NICU Admission		75	9.6	82	8.9	399	10.1	49	8.0	218	11.1	33	8.0
Infant Care: Transfer		10	1.3	27	2.9	156	3.9	6	1.0	12	0.6	10	2.4
Place of Birth: At-Home Delivery		4	0.5	3	0.3	22	0.6	3	0.5	14	0.7	3	0.7
Method of Delivery: Cesarean		257	32.9	284	30.7	1,093	27.7	218	35.4	591	30.2	131	31.8
Infant Care: Breastfed		661	85.7	630	69.5	2,908	74.8	522	86.3	1,601	83.9	350	85.6
Mat. Smoking: During Preg.		67	8.6	202	22.4	364	9.4	32	5.2	385	19.8	20	4.9
...Quit Smoking During Preg.		15	22.4	41	20.3	88	24.2	12	37.5	78	20.3	10	50.0
Mat. Wt.: Underweight		21	2.7	28	3.0	147	3.8	15	2.5	83	4.3	12	2.9
Mat. Wt.: Obese		183	23.6	341	37.1	1,072	28.0	157	25.7	599	31.3	91	22.4
Mat. Sing. Wt. Gain: Low		74	10.6	111	14.2	541	17.1	61	11.6	256	15.4	36	9.9
Mat. Sing. Wt. Gain: High		173	24.7	194	24.9	621	19.6	133	25.3	402	24.2	62	17.0
Mother's Education: Under 12 Yrs.		41	5.3	176	19.1	592	15.1	18	2.9	304	15.6	27	6.6
Marital Status: Out-of-Wedlock		244	31.2	499	54.0	2,355	59.6	129	20.9	978	50.0	152	36.9
Live Birth Order: 4 or More		63	8.1	142	15.4	593	15.1	60	9.8	291	14.9	31	7.6
Birth Spacing: Less than 18 Mos.		33	8.0	71	12.6	291	14.4	34	9.7	174	15.4	24	11.7
Prenatal Care: 1st Trimester		563	75.7	673	73.9	2,040	56.8	496	82.7	1,193	62.9	271	72.3
Prenatal Care: 2nd Trimester		140	18.8	151	16.6	857	23.9	91	15.2	427	22.5	75	20.0
Prenatal Care: 3rd Trimester		29	3.9	69	7.6	323	9.0	10	1.7	135	7.1	23	6.1
Prenatal Care: None		12	1.6	18	2.0	371	10.3	3	0.5	143	7.5	6	1.6
Prenatal Care: Inadequate		99	13.6	184	20.3	1,382	39.1	50	8.5	583	31.6	84	23.2
Maternal Utilization: Medicaid		186	23.9	522	56.6	2,100	53.7	73	12.0	1,075	55.4	119	29.2
Maternal Utilization: WIC		138	18.1	414	45.9	1,605	42.3	60	9.9	1,022	52.8	92	23.2
Maternal Utilization: FSP		102	13.4	291	34.1	1,542	41.4	31	5.2	619	32.7	82	21.0
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	4	0.1	0	0.0	1	0.1	1	0.2
	15-17	7	0.9	17	1.8	65	1.6	4	0.6	32	1.6	5	1.2
	18-19	17	2.2	54	5.8	158	4.0	10	1.6	122	6.2	15	3.6
	20-24	110	14.1	257	27.8	755	19.1	51	8.3	540	27.6	46	11.2
	25-29	232	29.7	306	33.1	1,176	29.8	187	30.4	601	30.7	106	25.7
	30-34	251	32.1	185	20.0	1,139	28.8	233	37.8	424	21.7	154	37.4
	35-39	140	17.9	78	8.4	550	13.9	110	17.9	193	9.9	72	17.5
	40 and Over	25	3.2	27	2.9	105	2.7	21	3.4	44	2.2	13	3.2

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2019**

		<u>Wentzville</u>		<u>Wildwood</u>	
		Number	Percent	Number	Percent
Live Births		587	100.0	263	100.0
Birth Weight: Under 2500 Grams		40	6.8	15	5.7
Birth Weight: Above 4499 Grams		3	0.5	3	1.1
Gest. Age: Less than 37 Weeks		55	9.4	28	10.6
APGAR (5 Min.): Less than 8		27	4.6	5	1.9
Infant Care: NICU Admission		44	7.5	19	7.2
Infant Care: Transfer		13	2.2	1	0.4
Place of Birth: At-Home Delivery		2	0.3	0	0.0
Method of Delivery: Cesarean		178	30.3	80	30.4
Infant Care: Breastfed		506	87.2	240	92.3
Mat. Smoking: During Preg.		31	5.3	5	1.9
...Quit Smoking During Preg.		9	29.0	2	40.0
Mat. Wt.: Underweight		18	3.1	6	2.3
Mat. Wt.: Obese		163	27.9	42	16.1
Mat. Sing. Wt. Gain: Low		63	12.3	10	4.4
Mat. Sing. Wt. Gain: High		104	20.4	58	25.4
Mother's Education: Under 12 Yrs.		15	2.6	1	0.4
Marital Status: Out-of-Wedlock		142	24.2	28	10.6
Live Birth Order: 4 or More		62	10.6	25	9.5
Birth Spacing: Less than 18 Mos.		38	11.1	17	10.3
Prenatal Care: 1st Trimester		458	81.3	207	80.9
Prenatal Care: 2nd Trimester		94	16.7	43	16.8
Prenatal Care: 3rd Trimester		11	2.0	6	2.3
Prenatal Care: None		0	0.0	0	0.0
Prenatal Care: Inadequate		54	9.7	19	7.8
Maternal Utilization: Medicaid		81	13.8	9	3.5
Maternal Utilization: WIC		64	11.1	5	1.9
Maternal Utilization: FSP		50	8.7	7	2.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0
	15-17	2	0.3	0	0.0
	18-19	12	2.0	0	0.0
	20-24	60	10.2	11	4.2
	25-29	189	32.2	54	20.5
	30-34	234	39.9	106	40.3
	35-39	76	12.9	74	28.1
	40 and Over	14	2.4	18	6.8

**Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2019**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
<b>State Total</b>	4,333	1,037	3,296	423	134	289
Adair	13	2	11	2	0	2
Andrew	5	2	3	0	0	0
Atchison	1	0	1	0	0	0
Audrain	16	3	13	0	0	0
Barry	44	7	37	2	1	1
Barton	9	2	7	0	0	0
Bates	13	3	10	0	0	0
Benton	12	3	9	2	1	1
Bollinger	6	1	5	0	0	0
Boone	92	27	65	10	4	6
Buchanan	85	21	64	8	3	5
Butler	56	20	36	0	0	0
Caldwell	7	0	7	1	0	1
Callaway	29	5	24	4	2	2
Camden	24	6	18	2	1	1
Cape Girardeau	46	11	35	3	2	1
Carroll	11	3	8	1	1	0
Carter	7	1	6	0	0	0
Cass	75	16	59	17	4	13
Cedar	14	4	10	3	1	2
Chariton	4	2	2	0	0	0
Christian	49	6	43	5	2	3
Clark	3	1	2	0	0	0
Clay	119	36	83	23	10	13
Clinton	18	2	16	0	0	0
Cole	49	7	42	4	3	1
Cooper	12	0	12	0	0	0
Crawford	18	4	14	0	0	0
Dade	3	1	2	0	0	0

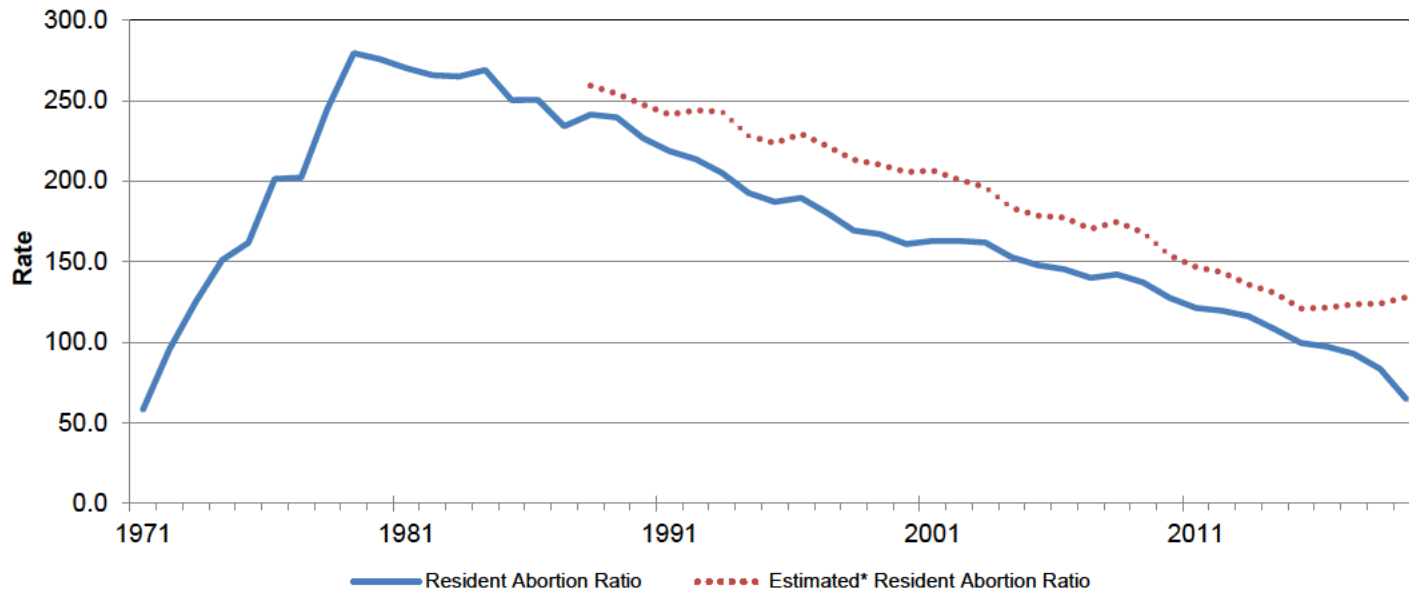
	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Dallas	12	3	9	0	0	0
Daviess	7	4	3	1	0	1
Dekalb	4	0	4	1	0	1
Dent	9	2	7	0	0	0
Douglas	10	2	8	0	0	0
Dunklin	44	9	35	2	0	2
Franklin	67	17	50	1	1	0
Gasconade	4	1	3	0	0	0
Gentry	7	1	6	0	0	0
Greene	230	49	181	16	4	12
Grundy	6	1	5	2	0	2
Harrison	3	1	2	0	0	0
Henry	32	10	22	1	0	1
Hickory	4	0	4	0	0	0
Holt	2	0	2	0	0	0
Howard	7	0	7	0	0	0
Howell	42	13	29	0	0	0
Iron	14	4	10	0	0	0
Jackson	689	182	507	145	39	106
Jasper	162	38	124	8	2	6
Jefferson	96	20	76	4	0	4
Johnson	36	4	32	4	1	3
Knox	3	1	2	0	0	0
Laclede	43	7	36	0	0	0
Lafayette	29	5	24	0	0	0
Lawrence	34	7	27	1	0	1
Lewis	2	0	2	0	0	0
Lincoln	31	7	24	1	0	1
Linn	9	3	6	0	0	0
Livingston	9	2	7	1	0	1

**Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2019**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Macon	12	2	10	1	0	1
Madison	9	1	8	0	0	0
Maries	3	0	3	0	0	0
Marion	23	4	19	1	0	1
McDonald	30	5	25	1	0	1
Mercer	1	0	1	0	0	0
Miller	17	2	15	0	0	0
Mississippi	23	4	19	1	1	0
Moniteau	12	3	9	1	0	1
Monroe	5	0	5	0	0	0
Montgomery	12	3	9	0	0	0
Morgan	15	1	14	0	0	0
New Madrid	23	6	17	0	0	0
Newton	55	10	45	1	0	1
Nodaway	9	3	6	3	1	2
Oregon	7	1	6	0	0	0
Osage	3	1	2	0	0	0
Ozark	3	2	1	0	0	0
Pemiscot	33	8	25	2	0	2
Perry	12	2	10	0	0	0
Pettis	51	11	40	2	0	2
Phelps	20	4	16	2	1	1
Pike	13	1	12	0	0	0
Platte	45	9	36	13	2	11
Polk	32	7	25	0	0	0
Pulaski	38	8	30	2	1	1
Putnam	6	0	6	1	0	1
Ralls	5	1	4	0	0	0
Randolph	26	7	19	1	1	0
Ray	20	4	16	0	0	0

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Reynolds	5	1	4	0	0	0
Ripley	11	4	7	0	0	0
Saline	11	2	9	1	0	1
Schuyler	2	1	1	0	0	0
Scotland	2	0	2	0	0	0
Scott	24	6	18	0	0	0
Shannon	6	1	5	0	0	0
Shelby	4	1	3	0	0	0
St. Charles	106	23	83	11	2	9
St. Clair	6	2	4	0	0	0
St. Francois	58	8	50	0	0	0
St. Louis City	252	83	169	25	14	11
St. Louis County	485	140	345	62	24	38
Ste. Genevieve	13	2	11	0	0	0
Stoddard	34	3	31	1	0	1
Stone	18	7	11	2	1	1
Sullivan	9	1	8	0	0	0
Taney	53	14	39	6	2	4
Texas	22	3	19	1	0	1
Vernon	24	6	18	3	0	3
Warren	25	5	20	2	2	0
Washington	36	9	27	0	0	0
Wayne	15	2	13	0	0	0
Webster	41	10	31	1	0	1
Worth	1	1	0	0	0	0
Wright	19	3	16	0	0	0

**Graph D. Resident Abortion Ratios per 1,000 Live Births: Missouri, 1971-2019**



Source: 1971-1974 Centers for Disease Control; 1975-2019 Missouri Department of Health & Senior Services.

**Graph D Abortion Definitions:**

**Recorded:** Abortions performed in a facility located in Missouri.

**Resident:** Abortions to Missouri residents regardless of where the abortions occurred as indicated on the individual record level data reports.

**\*Estimated Resident:** Resident abortions as defined above plus estimated Missouri resident counts from Illinois for 1988-2019 and Tennessee in 1997-2005, Arkansas 2014-2017, and Oklahoma in 2019. See Appendix under Vital Records for more information.

**Table 12A. Resident Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2019**

	Total	Weeks of Gestation								Unknown
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over	
<b>State Total</b>	4,660	2,689	785	507	240	162	169	48	60	0
<b>Patient's Race</b>										
White, Non-Hispanic	2,387	1,493	361	213	106	73	76	25	40	0
Black, Non-Hispanic	1,706	846	335	235	109	68	75	21	17	0
Other, Non-Hispanic	283	171	39	32	15	12	12	1	1	0
Unknown, Non-Hispanic	5	1	2	0	1	1	0	0	0	0
Hispanic, Any Race	279	178	48	27	9	8	6	1	2	0
<b>Patient's Age</b>										
Under 15	9	5	1	1	0	0	2	0	0	0
15	29	10	9	5	1	3	1	0	0	0
16	33	17	6	2	3	3	2	0	0	0
17	63	27	14	10	5	1	6	0	0	0
18	132	79	21	12	7	5	3	3	2	0
19	157	89	27	21	4	5	7	2	2	0
20-24	1,393	804	237	152	67	54	54	12	13	0
25-29	1,394	782	250	156	83	43	42	15	23	0
30-34	826	504	135	73	40	23	29	11	11	0
35-39	467	283	65	57	23	18	14	2	5	0
40 and Over	156	89	19	18	7	7	9	3	4	0
Unknown	1	0	1	0	0	0	0	0	0	0
<b>Type of Procedure</b>										
Curettage	1,901	772	516	504	102	3	3	1	0	0
Intrauterine Instillation	3	0	0	0	0	1	0	1	1	0
Hysterotomy/Hysterectomy	0	0	0	0	0	0	0	0	0	0
Laminaria D & E	555	0	0	0	137	157	165	42	54	0
Medical/Nonsurgical	2,189	1,910	268	2	1	0	1	4	3	0
Unknown	8	5	1	1	0	1	0	0	0	0
Other	4	2	0	0	0	0	0	0	2	0

**Table 12B. Recorded Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2019**

	Total	Weeks of Gestation								
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over	Unknown
<b>State Total</b>	1,471	400	323	281	159	112	108	33	55	0
<b>Patient's Race</b>										
White, Non-Hispanic	591	166	124	94	68	46	45	13	35	0
Black, Non-Hispanic	733	189	165	161	79	52	52	18	17	0
Other, Non-Hispanic	101	33	20	22	6	9	11	0	0	0
Unknown, Non-Hispanic	5	1	2	0	1	1	0	0	0	0
Hispanic, Any Race	41	11	12	4	5	4	0	2	3	0
<b>Patient's Age</b>										
Under 15	5	2	1	0	0	0	1	0	1	0
15	15	2	6	4	0	2	1	0	0	0
16	12	0	4	1	3	2	2	0	0	0
17	27	5	5	7	5	1	4	0	0	0
18	37	9	7	8	4	3	3	3	0	0
19	50	12	10	11	3	6	6	1	1	0
20-24	422	102	95	87	44	35	37	12	10	0
25-29	436	117	99	80	56	26	29	7	22	0
30-34	253	84	57	40	24	16	15	6	11	0
35-39	156	54	30	31	11	16	6	2	6	0
40 and Over	58	13	9	12	9	5	4	2	4	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Type of Procedure</b>										
Curettage	1,079	392	322	279	85	1	0	0	0	0
Intrauterine Instillation	4	0	0	0	0	1	0	1	2	0
Hysterotomy/Hysterectomy	1	0	0	0	0	0	0	0	1	0
Laminaria D & E	364	0	0	0	73	110	107	27	47	0
Medical/Nonsurgical	15	5	0	1	1	0	1	4	3	0
Unknown	5	3	1	1	0	0	0	0	0	0
Other	3	0	0	0	0	0	0	1	2	0

**Table 12C. Post-Abortion Complication Report: Missouri, 2019**

	Procedure Type			Total
	Surgical	Medical	Not Specified	
<b>Total Complications</b>	39	65	8	112
..Incomplete Abortion	0	11	2	13
..Hemorrhage	10	7	0	17
..Endometritis	10	12	0	22
..Parametritis	0	0	0	0
..Pyrexia	0	0	0	0
..Pelvic Abscess	0	0	0	0
..Uterine Perforation	3	0	0	3
..Failed Abortion, Pregnancy Undisturbed	0	19	0	19
..Retained Products	8	10	3	21
..Cervical Laceration	2	0	0	2
..Psychiatric	0	0	0	0
..Other Complication	6	6	1	13
<b>No Complication Reported</b>	0	0	2	2
<b>Total Complication Reports Received</b>	34	53	6	93

	Count
Patients Hospitalized	29

	Count	Percent with Complications*
Complication Reports for Abortions Recorded in Missouri	24	1.6

Refer to Appendix Section "New Tables on Post-Abortion Complications" for more information.

\* Rate is calculated as total complication reports for abortions performed in Missouri out of all abortions performed in Missouri.



**Table 13. Resident Abortions by Age, Marital Status, and Education by Race and Hispanic Origin: Missouri, 2019**

	Total	Patient's Race				
		White, Non-Hispanic	Black, Non-Hispanic	Other, Non-Hispanic	Unknown, Non-Hispanic	Hispanic, Any Race
<b><u>State Total</u></b>	4,660	2,387	1,706	283	5	279
<b><u>Patient's Age</u></b>						
Under 15	9	2	6	0	0	1
15	29	14	14	0	0	1
16	33	18	11	2	0	2
17	63	27	27	4	0	5
18	132	78	41	7	0	6
19	157	80	58	9	0	10
20-24	1,393	730	487	75	2	99
25-29	1,394	658	576	80	0	80
30-34	826	408	314	55	2	47
35-39	467	281	130	38	0	18
40 and Over	156	90	42	13	1	10
Unknown	1	1	0	0	0	0
<b><u>Marital Status</u></b>						
Never Married	1,094	372	629	61	3	29
Currently Married	668	436	123	71	2	36
Formerly Married	28	20	4	1	0	3
Unmarried, Unspecified	2,801	1,531	921	138	0	211
Unknown	69	28	29	12	0	0
<b><u>Years of Education</u></b>						
0-8	42	14	17	2	0	9
9-11	349	168	127	18	0	36
12	1,695	772	722	86	3	112
13-15	1,744	922	636	93	1	92
16 or More	755	478	173	73	1	30
Unknown	75	33	31	11	0	0

**Table 14. Resident Abortions and Ratios per 1,000 Live Births by County and BRFSS Region of Residence: Missouri, 2019**

Counties	Number	Ratio
<b>State Total</b>	4,660	64.6
Adair	11	36.5
Andrew	8	36.9
Atchison	0	0.0
Audrain	3	10.3
Barry	12	31.3
Barton	5	42.0
Bates	9	47.4
Benton	6	38.0
Bollinger	0	0.0
Boone	125	60.2
Buchanan	79	75.8
Butler	6	11.0
Caldwell	9	89.1
Callaway	19	37.9
Camden	13	35.8
Cape Girardeau	18	21.2
Carroll	2	22.5
Carter	1	14.3
Cass	108	92.7
Cedar	8	42.6
Chariton	4	40.8
Christian	34	31.1
Clark	1	13.3
Clay	355	114.7
Clinton	20	85.1
Cole	39	47.6
Cooper	4	19.9
Crawford	2	7.8
Dade	3	43.5
Dallas	3	13.7
Daviess	3	25.2

Counties	Number	Ratio
DeKalb	3	37.0
Dent	0	0.0
Douglas	2	16.5
Dunklin	10	27.9
Franklin	22	18.0
Gasconade	3	19.1
Gentry	3	31.3
Greene	196	57.3
Grundy	5	40.7
Harrison	3	32.6
Henry	12	37.7
Hickory	24	328.8
Holt	1	21.7
Howard	5	43.9
Howell	11	23.7
Iron	0	0.0
Jackson	1,755	198.3
Jasper	50	32.5
Jefferson	55	21.9
Johnson	58	84.1
Knox	3	49.2
Laclede	6	12.1
Lafayette	17	42.0
Lawrence	3	6.1
Lewis	0	0.0
Lincoln	9	11.0
Linn	7	49.6
Livingston	5	32.7
Macon	2	12.2
Madison	2	16.1
Maries	3	33.0
Marion	5	13.9

Counties	Number	Ratio
McDonald	6	19.5
Mercer	0	0.0
Miller	6	20.0
Mississippi	2	13.2
Moniteau	5	26.9
Monroe	0	0.0
Montgomery	1	7.9
Morgan	4	17.1
New Madrid	7	28.5
Newton	10	14.2
Nodaway	22	104.8
Oregon	2	18.7
Osage	2	14.0
Ozark	2	30.3
Pemiscot	15	62.2
Perry	1	4.7
Pettis	23	38.3
Phelps	13	31.1
Pike	1	5.0
Platte	139	114.7
Polk	2	4.6
Pulaski	24	33.3
Putnam	1	21.3
Ralls	0	0.0
Randolph	10	37.0
Ray	10	40.3
Reynolds	0	0.0
Ripley	0	0.0
Saline	12	44.3
Schuyler	1	15.2
Scotland	0	0.0
Scott	10	20.4

Counties	Number	Ratio
Shannon	0	0.0
Shelby	2	27.8
St. Charles	101	23.5
St. Clair	1	10.8
St. Francois	14	21.1
St. Louis City	318	80.5
St. Louis County	619	54.4
Ste. Genevieve	1	4.9
Stoddard	6	17.9
Stone	6	23.6
Sullivan	2	23.3
Taney	26	41.5
Texas	3	10.8
Vernon	12	49.8
Warren	5	11.8
Washington	3	10.9
Wayne	0	0.0
Webster	11	17.8
Worth	0	0.0
Wright	1	3.9

BRFSS Regions	Number	Ratio
Northeast	72	24.9
Northwest	182	66.2
Central	300	36.5
Southeast	114	17.6
Southwest	430	37.9
St. Louis Region	1,132	45.5
Kansas City Region	2,422	156.2
Metro	4,166	76.0
Non-Metro	486	28.1

**Table 15. Resident Abortions by Marital Status, Number of Living Children, and Number of Previous Abortions by Age of Patient: Missouri, 2019**

	Total	Patient's Age									
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
<b><u>State Total</u></b>	4,660	9	125	289	1,393	1,394	826	467	148	8	1
<b><u>Marital Status</u></b>											
Never Married	1,094	4	44	73	356	331	173	83	29	0	1
Currently Married	668	0	3	18	103	176	166	157	40	5	0
Formerly Married	28	0	0	0	1	7	6	10	4	0	0
Unmarried, Unspecified	2,801	5	71	194	921	855	471	209	73	2	0
Unknown	69	0	7	4	12	25	10	8	2	1	0
<b><u>Number of Living Children</u></b>											
0	1,856	9	123	248	787	421	177	76	15	0	0
1	1,134	0	2	38	384	394	179	97	38	1	1
2	936	0	0	2	168	331	256	138	39	2	0
3	462	0	0	1	45	175	121	93	26	1	0
4	177	0	0	0	9	53	56	37	18	4	0
5	56	0	0	0	0	16	23	10	7	0	0
6+	38	0	0	0	0	4	14	15	5	0	0
Unknown	1	0	0	0	0	0	0	1	0	0	0
<b><u>Number of Previous Abortions</u></b>											
0	2,982	9	119	270	1,057	785	429	231	78	3	1
1	1,058	0	6	18	273	388	216	128	27	2	0
2	402	0	0	0	54	150	103	71	23	1	0
3	134	0	0	0	7	45	45	23	14	0	0
4	45	0	0	0	2	17	13	7	5	1	0
5	16	0	0	0	0	7	6	3	0	0	0
6+	23	0	0	1	0	2	14	4	1	1	0

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2019**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
<b>State Total</b>	6,137,428	72,103	62,155	9,948	72,912	64,777	11.7	10.1	1.6
Adair	25,343	301	247	54	559	196	11.9	9.7	2.1
Andrew	17,712	217	172	45	0	117	12.3	9.7	2.5
Atchison	5,143	46	87	-41	36	71	8.9	16.9	-8.0
Audrain	25,388	292	314	-22	81	271	11.5	12.4	-0.9
Barry	35,789	383	413	-30	297	324	10.7	11.5	-0.8
Barton	11,754	119	153	-34	4	103	10.1	13.0	-2.9
Bates	16,172	190	217	-27	8	185	11.7	13.4	-1.7
Benton	19,443	158	317	-159	8	223	8.1	16.3	-8.2
Bollinger	12,133	135	118	17	0	84	11.1	9.7	1.4
Boone	180,463	2,075	1,204	871	4,191	2,182	11.5	6.7	4.8
Buchanan	87,364	1,042	924	118	1,485	1,074	11.9	10.6	1.4
Butler	42,478	546	568	-22	1,523	686	12.9	13.4	-0.5
Caldwell	9,020	101	105	-4	2	58	11.2	11.6	-0.4
Callaway	44,743	501	424	77	4	263	11.2	9.5	1.7
Camden	46,305	363	518	-155	640	542	7.8	11.2	-3.3
Cape Girardeau	78,871	850	837	13	1,912	1,338	10.8	10.6	0.2
Carroll	8,679	89	107	-18	0	90	10.3	12.3	-2.1
Carter	5,982	70	87	-17	0	48	11.7	14.5	-2.8
Cass	105,780	1,165	1,016	149	22	741	11.0	9.6	1.4
Cedar	14,349	188	223	-35	42	165	13.1	15.5	-2.4
Chariton	7,426	98	93	5	1	88	13.2	12.5	0.7
Christian	88,595	1,092	734	358	11	462	12.3	8.3	4.0
Clark	6,797	75	77	-2	4	57	11.0	11.3	-0.3
Clay	249,948	3,096	1,898	1,198	3,662	2,296	12.4	7.6	4.8
Clinton	20,387	235	231	4	89	276	11.5	11.3	0.2
Cole	76,745	819	716	103	1,392	865	10.7	9.3	1.3
Cooper	17,709	201	185	16	3	142	11.4	10.4	0.9
Crawford	23,920	256	322	-66	239	262	10.7	13.5	-2.8
Dade	7,561	69	116	-47	2	76	9.1	15.3	-6.2
Dallas	16,878	219	214	5	3	140	13.0	12.7	0.3
Daviess	8,278	119	84	35	42	52	14.4	10.1	4.2
DeKalb	12,547	81	102	-21	0	62	6.5	8.1	-1.7
Dent	15,573	138	227	-89	1	165	8.9	14.6	-5.7
Douglas	13,185	121	180	-59	5	126	9.2	13.7	-4.5
Dunklin	29,131	359	414	-55	0	253	12.3	14.2	-1.9
Franklin	103,967	1,222	1,147	75	854	989	11.8	11.0	0.7
Gasconade	14,706	157	226	-69	0	201	10.7	15.4	-4.7
Gentry	6,571	96	87	9	8	78	14.6	13.2	1.4

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2019**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Greene	293,086	3,418	2,999	419	6,711	4,534	11.7	10.2	1.4
Grundy	9,850	123	125	-2	20	90	12.5	12.7	-0.2
Harrison	8,352	92	106	-14	7	73	11.0	12.7	-1.7
Henry	21,824	318	308	10	360	241	14.6	14.1	0.5
Hickory	9,544	73	146	-73	6	114	7.6	15.3	-7.6
Holt	4,403	46	59	-13	1	43	10.4	13.4	-3.0
Howard	10,001	114	106	8	1	75	11.4	10.6	0.8
Howell	40,117	465	546	-81	591	543	11.6	13.6	-2.0
Iron	10,125	107	157	-50	0	126	10.6	15.5	-4.9
Jackson	703,011	8,850	6,467	2,383	10,273	7,794	12.6	9.2	3.4
Jasper	121,328	1,539	1,238	301	15	780	12.7	10.2	2.5
Jefferson	225,081	2,507	2,175	332	524	1,518	11.1	9.7	1.5
Johnson	54,062	690	420	270	666	341	12.8	7.8	5.0
Knox	3,959	61	39	22	15	22	15.4	9.9	5.6
Laclede	35,723	494	462	32	268	356	13.8	12.9	0.9
Lafayette	32,708	405	384	21	7	270	12.4	11.7	0.6
Lawrence	38,355	493	498	-5	183	370	12.9	13.0	-0.1
Lewis	9,776	99	108	-9	6	73	10.1	11.0	-0.9
Lincoln	59,013	817	522	295	6	355	13.8	8.8	5.0
Linn	11,920	141	151	-10	3	95	11.8	12.7	-0.8
Livingston	15,227	153	186	-33	324	154	10.0	12.2	-2.2
Macon	15,117	164	212	-48	14	184	10.8	14.0	-3.2
Madison	12,088	124	148	-24	0	115	10.3	12.2	-2.0
Maries	8,697	91	113	-22	2	63	10.5	13.0	-2.5
Marion	28,530	360	347	13	600	356	12.6	12.2	0.5
McDonald	22,837	308	250	58	6	153	13.5	10.9	2.5
Mercer	3,617	47	36	11	16	23	13.0	10.0	3.0
Miller	25,619	300	297	3	2	214	11.7	11.6	0.1
Mississippi	13,180	152	175	-23	0	111	11.5	13.3	-1.7
Moniteau	16,132	186	149	37	9	103	11.5	9.2	2.3
Monroe	8,644	90	114	-24	3	72	10.4	13.2	-2.8
Montgomery	11,551	127	193	-66	2	148	11.0	16.7	-5.7
Morgan	20,627	234	287	-53	100	202	11.3	13.9	-2.6
New Madrid	17,076	246	250	-4	0	165	14.4	14.6	-0.2
Newton	58,236	706	661	45	2,998	1,617	12.1	11.4	0.8
Nodaway	22,092	210	178	32	257	160	9.5	8.1	1.4
Oregon	10,529	107	133	-26	3	90	10.2	12.6	-2.5
Osage	13,615	143	136	7	1	83	10.5	10.0	0.5
Ozark	9,174	66	111	-45	1	75	7.2	12.1	-4.9

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2019**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Pemiscot	15,805	241	222	19	2	183	15.2	14.0	1.2
Perry	19,136	213	194	19	119	165	11.1	10.1	1.0
Pettis	42,339	601	445	156	492	403	14.2	10.5	3.7
Phelps	44,573	418	482	-64	764	517	9.4	10.8	-1.4
Pike	18,302	202	195	7	4	147	11.0	10.7	0.4
Platte	104,418	1,212	744	468	186	600	11.6	7.1	4.5
Polk	32,149	438	382	56	543	351	13.6	11.9	1.7
Pulaski	52,607	720	344	376	343	249	13.7	6.5	7.1
Putnam	4,696	47	87	-40	30	66	10.0	18.5	-8.5
Ralls	10,309	91	105	-14	1	54	8.8	10.2	-1.4
Randolph	24,748	270	301	-31	5	225	10.9	12.2	-1.3
Ray	23,018	248	247	1	2	172	10.8	10.7	0.0
Reynolds	6,270	68	98	-30	0	68	10.8	15.6	-4.8
Ripley	13,288	156	194	-38	1	94	11.7	14.6	-2.9
Saline	22,761	271	251	20	246	202	11.9	11.0	0.9
Schuyler	4,660	66	50	16	17	37	14.2	10.7	3.4
Scotland	4,902	78	47	31	133	45	15.9	9.6	6.3
Scott	38,280	491	460	31	433	411	12.8	12.0	0.8
Shannon	8,166	88	123	-35	2	77	10.8	15.1	-4.3
Shelby	5,930	72	75	-3	3	58	12.1	12.6	-0.5
St. Charles	402,022	4,306	3,125	1,181	2,502	2,925	10.7	7.8	2.9
St. Clair	9,397	93	142	-49	18	91	9.9	15.1	-5.2
St. Francois	67,215	664	782	-118	509	645	9.9	11.6	-1.8
St. Louis City	300,576	3,952	3,022	930	3,656	4,692	13.1	10.1	3.1
St. Louis County	994,205	11,386	10,313	1,073	20,389	12,390	11.5	10.4	1.1
Ste. Genevieve	17,894	205	183	22	211	145	11.5	10.2	1.2
Stoddard	29,025	336	385	-49	2	287	11.6	13.3	-1.7
Stone	31,952	254	424	-170	1	224	7.9	13.3	-5.3
Sullivan	6,089	86	68	18	2	51	14.1	11.2	3.0
Taney	55,928	626	597	29	546	611	11.2	10.7	0.5
Texas	25,398	277	330	-53	155	242	10.9	13.0	-2.1
Vernon	20,563	241	243	-2	326	199	11.7	11.8	-0.1
Warren	35,649	422	296	126	3	174	11.8	8.3	3.5
Washington	24,730	276	305	-29	1	215	11.2	12.3	-1.2
Wayne	12,873	142	158	-16	3	95	11.0	12.3	-1.2
Webster	39,592	619	366	253	119	222	15.6	9.2	6.4
Worth	2,013	21	28	-7	0	22	10.4	13.9	-3.5
Wright	18,289	256	246	10	11	171	14.0	13.5	0.5

**Table 16B. Resident and Recorded Live Births, Deaths, and Natural Increase  
with Rates by Cities with Over 25,000 Population: Missouri, 2019**

Cities with Population 25,000+	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Ballwin	30,082	336	245	91	0	258	11.2	8.1	3.0
Blue Springs	55,829	629	414	215	0	377	11.3	7.4	3.9
Cape Girardeau	40,559	407	485	-78	1,906	1,161	10.0	12.0	-1.9
Chesterfield	47,538	391	565	-174	1,504	953	8.2	11.9	-3.7
Columbia	123,195	1,366	778	588	4,188	2,055	11.1	6.3	4.8
Florissant	50,952	697	569	128	1	728	13.7	11.2	2.5
Gladstone	27,489	307	282	25	2	106	11.2	10.3	0.9
Hazelwood	25,117	349	211	138	1	79	13.9	8.4	5.5
Independence	116,672	1,454	1,516	-62	1,357	1,532	12.5	13.0	-0.5
Jefferson City	42,708	470	457	13	1,385	834	11.0	10.7	0.3
Kirkwood	27,807	312	301	11	3	125	11.2	10.8	0.4
Lee's Summit	99,357	948	644	304	1,864	883	9.5	6.5	3.1
Liberty	32,100	327	241	86	1,650	474	10.2	7.5	2.7
Maryland Heights	26,956	379	240	139	1	197	14.1	8.9	5.2
O'Fallon	88,673	913	578	335	966	549	10.3	6.5	3.8
Raytown	28,991	375	334	41	3	195	12.9	11.5	1.4
St. Charles	71,028	782	679	103	541	1,049	11.0	9.6	1.5
St. Joseph	74,875	924	795	129	1,480	1,051	12.3	10.6	1.7
St. Louis City	300,576	3,952	3,022	930	3,656	4,692	13.1	10.1	3.1
St. Peters	58,212	616	485	131	2	556	10.6	8.3	2.3
Springfield	167,882	1,957	1,907	50	6,704	4,197	11.7	11.4	0.3
University City	34,165	412	351	61	2	112	12.1	10.3	1.8
Wentzville	41,784	587	239	348	3	186	14.0	5.7	8.3
Wildwood	35,432	263	164	99	0	73	7.4	4.6	2.8

**Table 16C. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Multi-County Cities: Missouri, 2019**

Multi-County Cities	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Joplin	50,925	671	590	81	2,988	1,646	13.2	11.6	1.6
...Jasper Co. Part	43,759	613	505	108	0	384	14.0	11.5	2.5
...Newton Co. Part	7,166	58	85	-27	2,988	1,262	8.1	11.9	-3.8
Kansas City	495,327	6,898	3,963	2,935	7,163	5,390	13.9	8.0	5.9
...Jackson Co. Part	316,836	4,381	2,751	1,630	6,972	4,479	13.8	8.7	5.1
...Clay Co. Part	128,232	1,855	838	1,017	11	499	14.5	6.5	7.9
...Platte Co. Part	50,059	661	374	287	180	411	13.2	7.5	5.7
...Cass Co. Part	200	1	0	1	0	1	5.0	0.0	5.0



**Table 17A. Resident Live Births and Deaths by Cities with 10,000 to 24,999 Population: Missouri, 2019**

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Arnold	237	248
Bellefontaine Neighbors	147	138
Belton	309	220
Bolivar	175	156
Branson	163	122
Bridgeton	153	183
Carthage	227	172
Clayton	87	76
Crestwood	151	132
Creve Coeur	144	232
Dardenne Prairie	81	109
Eureka	100	119
Excelsior Springs	132	143
Farmington	166	227
Ferguson	292	181
Festus	155	152
Fulton	134	137
Grain Valley	198	94
Grandview	398	232
Hannibal	234	234
Harrisonville	133	151
Jackson	176	148
Jennings	193	176
Kennett	139	152
Kirksville	204	178
Lake St. Louis	124	118
Lebanon	251	241
Manchester	208	117
Marshall	156	135
Maryville	97	86
Mexico	142	171
Moberly	149	175
Neosho	214	139
Nixa	323	195
Overland	203	157
Ozark	303	187

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Poplar Bluff	254	281
Raymore	226	228
Republic	281	124
Rolla	192	203
St. Ann	167	146
Sedalia	341	255
Sikeston	261	230
Town and Country	62	157
Troy	165	130
Union	163	128
Warrensburg	225	124
Washington	165	167
Webb City	173	111
Webster Groves	248	244
West Plains	165	202

**Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2019**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ashland	67	37
Aurora	91	69
Ava	36	53
Battlefield	79	41
Bel-Ridge	48	23
Berkeley	131	91
Bethany	35	46
Black Jack	89	111
Bonne Terre	82	47
Boonville	92	91
Bowling Green	45	48
Breckenridge Hills	78	38
Brentwood	99	58
Brookfield	49	59
Buckner	26	28
Buffalo	48	51
Butler	62	69
Byrnes Mill	29	21
California	54	47
Camdenton	55	67
Cameron	79	121
Carl Junction	79	50
Carrollton	38	50
Caruthersville	89	78
Cassville	43	56
Centralia	60	44
Chaffee	49	37
Charleston	49	52
Chillicothe	102	127
Clarkson Valley	9	15
Clinton	144	155
Cottleville	56	25
Crystal City	2	6
Cuba	47	47
Dellwood	71	56
Deslodge	58	83

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
De Soto	83	135
Des Peres	70	92
Dexter	113	123
East Prairie	53	49
Eldon	67	91
El Dorado Springs	45	76
Ellisville	88	123
Fayette	26	24
Fenton	36	46
Fredricktown	50	51
Frontenac	23	25
Glendale	92	25
Green Park	34	44
Greenwood	75	30
Hayti	47	35
Herculaneum	47	69
Higginsville	73	58
Hillsboro	45	26
Hollister	61	62
Holts Summit	58	54
Kearney	113	76
Knob Noster	46	19
Ladue	65	70
Lamar	41	72
Lexington	61	77
Licking	17	32
Louisiana	38	65
Macon	62	100
Malden	55	75
Maplewood	96	45
Marshfield	111	109
Monett	145	100
Monroe City	36	25
Montgomery City	40	33
Moscow Mills	63	23
Mountain Grove	58	81

**Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2019**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Mountain View	38	44
Mount Vernon	54	115
Nevada	94	137
New Madrid	46	51
Normandy	60	45
North Kansas City	48	51
Northwoods	42	72
Oak Grove	103	82
Odessa	87	61
Olivette	90	52
Osage Beach	35	75
Owensville	40	51
Pacific	89	92
Pagedale	31	46
Palmyra	42	56
Park Hills	105	87
Parkville	81	36
Peculiar	83	25
Perryville	109	129
Pevely	85	58
Pine Lawn	42	54
Platte City	64	54
Pleasant Hill	100	78
Pleasant Valley	34	36
Portageville	40	43
Potosi	45	49
Richmond	83	99
Richmond Heights	104	83
Riverside	74	51
Riverview	45	24
Rock Hill	77	35
Rogersville	79	25
St. Clair	80	65
Ste. Genevieve	56	59
St. James	39	65
St. John	85	65

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
St. Robert	64	29
Salem	63	83
Savannah	70	74
Scott City	57	52
Shrewsbury	64	106
Smithville	128	73
Sugar Creek	33	27
Sullivan	95	112
Sunset Hills	63	167
Tipton	22	20
Trenton	56	83
Valley Park	80	97
Vandalia	31	39
Warrenton	118	84
Waynesville	88	53
Weldon Spring	24	54
Willard	106	44
Windsor	43	43
Woodson Terrace	54	43
Wright City	79	30

**Table 18A. Twelve Leading Causes of Death and Death Rates per 100,000 Residents: Missouri, 2019**

Race	Causes of Death	Number	Crude Rate	Age-Adjusted Rate	Percent Of Total
Total (All Races)	1. Diseases of heart	14,959	243.7	186.2	24.1
	2. Malignant neoplasms	12,836	209.1	159.3	20.7
	3. Unintentional injuries	3,930	64.0	60.7	6.3
	4. Chronic lower respiratory disease	3,775	61.5	46.5	6.1
	5. Cerebrovascular diseases	3,019	49.2	37.6	4.9
	6. Alzheimer's disease	2,781	45.3	34.1	4.5
	7. Diabetes mellitus	1,652	26.9	20.8	2.7
	8. Nephritis and nephrosis	1,480	24.1	18.4	2.4
	9. Suicide	1,130	18.4	18.1	1.8
	10. Influenza and pneumonia	1,030	16.8	13.0	1.7
	11. Septicemia	884	14.4	11.1	1.4
	12. Chronic liver disease and cirrhosis	739	12.0	10.0	1.2
	All other causes	13,940	227.1	182.0	22.4
	Total (All Causes)	62,155	1012.7	797.7	100.0

**Table 18B. Twelve Leading Causes of Resident Death and Percentages by Race: Missouri, 2019**

Race	Causes of Death	Number	Percent Of Total
White, Non-Hispanic	1. Diseases of heart	13,151	24.4
	2. Malignant neoplasms	11,254	20.9
	3. Chronic lower respiratory disease	3,532	6.6
	4. Unintentional injuries	3,140	5.8
	5. Cerebrovascular diseases	2,560	4.7
	6. Alzheimer's disease	2,558	4.7
	7. Diabetes mellitus	1,367	2.5
	8. Nephritis and nephrosis	1,221	2.3
	9. Suicide	1,013	1.9
	10. Influenza and pneumonia	924	1.7
	11. Septicemia	734	1.4
	12. Parkinson's disease	691	1.3
	All other causes	11,768	21.8
	Total (All Causes)	53,913	100.0

Race	Causes of Death	Number	Percent Of Total
Other Races	1. Malignant neoplasms	178	23.2
	2. Diseases of heart	160	20.9
	3. Unintentional injuries	86	11.2
	4. Cerebrovascular diseases	40	5.2
	5. Suicide	28	3.7
	6. Chronic lower respiratory disease	20	2.6
	6. Diabetes mellitus	20	2.6
	8. Alzheimer's disease	19	2.5
	9. Homicide	15	2.0
	10. Conditions orig. in perinatal period	13	1.7
	10. Nephritis and nephrosis	13	1.7
	12. Influenza and pneumonia	12	1.6
	All other causes	163	21.3
	Total (All Causes)	767	100.0

Black, Non-Hispanic	1. Diseases of heart	1,522	22.3
	2. Malignant neoplasms	1,294	19.0
	3. Unintentional injuries	639	9.4
	4. Homicide	425	6.2
	5. Cerebrovascular diseases	383	5.6
	6. Diabetes mellitus	242	3.6
	7. Nephritis and nephrosis	228	3.3
	8. Chronic lower respiratory disease	209	3.1
	9. Alzheimer's disease	185	2.7
	10. Septicemia	132	1.9
	11. Influenza and pneumonia	85	1.2
	12. Essential hypertension	73	1.1
	All other causes	1,394	20.5
	Total (All Causes)	6,811	100.0

Hispanic, Any Race	1. Diseases of heart	107	17.9
	2. Malignant neoplasms	106	17.7
	3. Unintentional injuries	57	9.5
	4. Suicide	32	5.4
	5. Cerebrovascular diseases	31	5.2
	6. Chronic liver disease and cirrhosis	24	4.0
	7. Diabetes mellitus	22	3.7
	8. Alzheimer's disease	19	3.2
	9. Homicide	18	3.0
	10. Nephritis and nephrosis	16	2.7
	11. Chronic lower respiratory disease	13	2.2
	11. Conditions orig. in perinatal period	13	2.2
	All other causes	140	23.4
	Total (All Causes)	598	100.0

**Table 19. Five Leading Causes of Death and Percentages for Selected Resident Age Groups: Missouri, 2019**

Age Group	Causes of Death	Number	Percent Of Total
Under 1	1. Conditions orig. in perinatal period	192	44.4
	2. Congenital anomalies	77	17.8
	3. Unintentional injuries	59	13.7
	4. Homicide	8	1.9
	5. Diseases of heart	7	1.6
	Total (All Causes)	432	100.0
1-4	1. Unintentional injuries	33	40.2
	2. Congenital anomalies	14	17.1
	3. Homicide	9	11.0
	4. Influenza and pneumonia	4	4.9
	5. Malignant neoplasms	3	3.7
	Total (All Causes)	82	100.0
5-14	1. Unintentional injuries	48	39.0
	2. Homicide	14	11.4
	3. Suicide	11	8.9
	4. Malignant neoplasms	7	5.7
	5. Congenital anomalies	5	4.1
	Total (All Causes)	123	100.0
15-24	1. Unintentional injuries	305	39.8
	2. Homicide	171	22.3
	3. Suicide	161	21.0
	4. Malignant neoplasms	24	3.1
	5. Diseases of heart	18	2.3
	Total (All Causes)	767	100.0
25-34	1. Unintentional injuries	571	42.8
	2. Suicide	188	14.1
	3. Homicide	180	13.5
	4. Diseases of heart	90	6.7
	5. Malignant neoplasms	63	4.7
	Total (All Causes)	1,335	100.0
35-44	1. Unintentional injuries	584	30.9
	2. Diseases of heart	253	13.4
	3. Malignant neoplasms	211	11.2
	4. Suicide	189	10.0
	5. Homicide	105	5.6
	Total (All Causes)	1,887	100.0

Age Group	Causes of Death	Number	Percent Of Total
45-54	1. Diseases of heart	767	22.3
	2. Malignant neoplasms	725	21.1
	3. Unintentional injuries	512	14.9
	4. Suicide	189	5.5
	5. Chronic liver disease and cirrhosis	127	3.7
	Total (All Causes)	3,441	100.0
55-64	1. Malignant neoplasms	2,608	30.4
	2. Diseases of heart	2,047	23.8
	3. Unintentional injuries	523	6.1
	4. Chronic lower respiratory disease	494	5.8
	5. Diabetes mellitus	294	3.4
	Total (All Causes)	8,584	100.0
65-74	1. Malignant neoplasms	3,713	30.0
	2. Diseases of heart	3,012	24.3
	3. Chronic lower respiratory disease	1,011	8.2
	4. Cerebrovascular diseases	500	4.0
	5. Diabetes mellitus	438	3.5
	Total (All Causes)	12,379	100.0
75-84	1. Diseases of heart	3,535	23.3
	2. Malignant neoplasms	3,426	22.6
	3. Chronic lower respiratory disease	1,228	8.1
	4. Cerebrovascular diseases	845	5.6
	5. Alzheimer's disease	795	5.3
	Total (All Causes)	15,142	100.0
85 and Over	1. Diseases of heart	5,225	29.1
	2. Malignant neoplasms	2,055	11.4
	3. Alzheimer's disease	1,773	9.9
	4. Cerebrovascular diseases	1,247	6.9
	5. Chronic lower respiratory disease	911	5.1
	Total (All Causes)	17,983	100.0

**Table 20. Resident Deaths with Age-Specific Rates per 1,000 Residents By Age Groups By Sex and Race: Missouri, 2019**

Age at Death	<u>Age-Specific Rate</u>			<u>All Races</u>			<u>White, Non-Hispanic</u>			<u>Black, Non-Hispanic</u>		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	10.1	10.7	9.6	62,155	32,219	29,936	53,913	27,700	26,213	6,811	3,700	3,111
Under 1	6.0	6.7	5.2	432	249	183	256	145	111	123	73	50
1-4	0.3	0.3	0.3	82	43	39	51	26	25	22	13	9
5-9	0.1	0.1	0.1	51	28	23	32	19	13	14	7	7
10-14	0.2	0.2	0.1	72	47	25	41	23	18	24	18	6
15-19	0.7	1.0	0.4	263	196	67	157	110	47	82	66	16
20-24	1.2	1.8	0.7	504	367	137	323	230	93	143	110	33
25-29	1.4	2.1	0.8	615	443	172	385	264	121	188	147	41
30-34	1.8	2.4	1.2	720	488	232	488	326	162	187	134	53
35-39	2.3	3.0	1.5	901	592	309	651	429	222	205	133	72
40-44	2.8	3.6	1.9	986	647	339	725	479	246	224	144	80
45-49	3.7	4.6	2.7	1,327	832	495	1,004	621	383	257	164	93
50-54	5.7	7.2	4.3	2,114	1,308	806	1,677	1,044	633	361	216	145
55-59	8.7	11.0	6.4	3,689	2,292	1,397	3,024	1,886	1,138	569	345	224
60-64	12.1	15.2	9.2	4,895	2,955	1,940	4,064	2,460	1,604	717	426	291
65-69	16.6	20.9	12.8	5,644	3,331	2,313	4,803	2,855	1,948	716	403	313
70-74	24.9	29.9	20.6	6,735	3,742	2,993	5,876	3,297	2,579	713	371	342
75-79	37.8	44.5	32.3	7,256	3,823	3,433	6,533	3,450	3,083	599	304	295
80-84	62.5	73.8	54.2	7,886	3,925	3,961	7,160	3,577	3,583	594	271	323
85 and Over	134.7	148.0	127.5	17,983	6,911	11,072	16,663	6,459	10,204	1,073	355	718



**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2019**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	62,155	432	82	51	72	263	504	615	720	901	986
Enterocolitis due to Clostridium difficile	89	0	0	0	0	0	0	0	1	1	0
Septicemia	884	4	0	0	0	0	1	1	7	7	14
HIV / AIDS	57	0	0	0	0	0	0	2	1	4	8
Malignant neoplasms	12,836	1	3	5	2	11	13	25	38	84	127
...Colon, rectum, and anus	1,075	0	0	0	0	1	1	1	6	8	20
...Pancreas	963	0	0	0	0	0	1	0	0	4	9
...Trachea, bronchus, and lung	3,465	0	0	0	0	0	0	0	1	3	7
...Breast	816	0	0	0	0	0	0	3	1	17	25
...Cervix uteri, corpus uteri, and ovary	559	0	0	0	0	0	0	4	5	8	9
...Prostate	622	0	0	0	0	0	0	0	0	1	0
...Urinary tract	656	0	0	2	0	0	0	0	1	1	1
...Non-Hodgkin's lymphoma	421	0	0	0	0	1	1	0	0	2	1
...Leukemia	468	0	0	1	0	0	3	2	2	6	5
...Other malignant neoplasms	3,791	1	3	2	2	9	7	15	22	34	50
Diabetes mellitus	1,652	0	0	0	1	1	2	9	9	17	21
Alzheimer's disease	2,781	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	733	0	0	0	0	0	0	0	0	0	0
Diseases of heart	14,959	7	1	2	2	7	11	28	62	100	153
Essential hypertension	468	0	0	0	0	0	0	1	0	5	2
Cerebrovascular diseases	3,019	1	0	1	1	1	5	3	8	10	23
Influenza and pneumonia	1,030	4	4	1	1	2	1	5	5	8	16
Chronic lower respiratory disease	3,775	0	0	1	3	3	1	2	3	9	11
Pneumonitis due to solids and liquids	598	0	0	0	0	0	3	0	4	3	4
Chronic liver disease and cirrhosis	739	0	0	0	0	0	0	0	18	37	31
Nephritis and nephrosis	1,480	3	0	0	0	0	1	2	6	10	9
Perinatal conditions	194	192	2	0	0	0	0	0	0	0	0
Congenital anomalies	188	77	14	4	1	6	4	3	5	2	3
Symptoms and ill-defined conditions	507	30	3	0	0	1	5	5	8	17	11
All other diseases	10,304	43	12	12	10	15	27	55	66	93	144
Unintentional injuries	3,930	59	33	20	28	99	206	280	291	330	254
...Motor vehicle crashes	950	1	17	12	19	63	88	81	75	68	62
...Falls	781	0	0	0	0	2	2	3	1	5	8
...Accidental poisoning	1,483	1	0	0	1	19	95	184	194	222	169
...Other unintentional injuries	716	57	16	8	8	15	21	12	21	35	15
Suicide	1,130	0	0	0	11	50	111	91	97	94	95
Homicide	623	8	9	4	10	62	109	100	80	56	49
All other external causes	179	3	1	1	2	5	4	3	11	14	11

**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2019**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,327	2,114	3,689	4,895	5,644	6,735	7,256	7,886	17,983	0
Enterocolitis due to Clostridium difficile	0	2	2	3	6	14	11	13	36	0
Septicemia	16	31	59	92	99	112	136	112	193	0
HIV / AIDS	10	5	12	7	6	0	2	0	0	0
Malignant neoplasms	228	497	1,073	1,535	1,745	1,968	1,854	1,572	2,055	0
...Colon, rectum, and anus	27	63	106	118	118	151	133	121	201	0
...Pancreas	21	38	78	128	162	157	142	112	111	0
...Trachea, bronchus, and lung	28	104	307	474	516	620	581	426	398	0
...Breast	23	58	83	103	94	97	92	76	144	0
...Cervix uteri, corpus uteri, and ovary	22	31	56	76	86	75	70	61	56	0
...Prostate	2	7	18	34	60	80	103	118	199	0
...Urinary tract	15	17	37	53	84	85	112	96	152	0
...Non-Hodgkin's lymphoma	7	11	20	31	48	58	67	57	117	0
...Leukemia	6	9	20	45	40	62	75	77	115	0
...Other malignant neoplasms	77	159	348	473	537	583	479	428	562	0
Diabetes mellitus	40	75	125	169	219	219	221	209	315	0
Alzheimer's disease	0	3	4	15	49	142	270	525	1,773	0
Parkinson's disease	0	1	3	14	36	83	127	188	281	0
Diseases of heart	270	497	901	1,146	1,421	1,591	1,666	1,869	5,225	0
Essential hypertension	10	11	14	29	35	47	53	65	196	0
Cerebrovascular diseases	36	64	104	170	220	280	377	468	1,247	0
Influenza and pneumonia	18	27	44	61	73	104	119	130	407	0
Chronic lower respiratory disease	29	69	188	306	417	594	631	597	911	0
Pneumonitis due to solids and liquids	3	9	21	26	26	55	83	100	261	0
Chronic liver disease and cirrhosis	60	67	110	131	88	77	50	37	33	0
Nephritis and nephrosis	28	24	70	88	133	181	185	221	519	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	6	8	12	12	7	5	6	5	8	0
Symptoms and ill-defined conditions	8	16	14	30	35	40	53	56	175	0
All other diseases	171	308	502	693	766	1,003	1,157	1,450	3,777	0
Unintentional injuries	250	262	281	242	179	163	198	231	524	0
...Motor vehicle crashes	70	71	91	50	57	33	30	39	23	0
...Falls	9	14	26	27	46	76	96	125	341	0
...Accidental poisoning	149	142	123	108	44	15	10	5	2	0
...Other unintentional injuries	22	35	41	57	32	39	62	62	158	0
Suicide	95	94	110	92	61	35	40	24	30	0
Homicide	41	28	26	24	10	3	0	1	3	0
All other external causes	8	16	14	10	13	19	17	13	14	0

**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2019**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	32,219	249	43	28	47	196	367	443	488	592	647
Enterocolitis due to Clostridium difficile	30	0	0	0	0	0	0	0	0	0	0
Septicemia	441	1	0	0	0	0	1	1	3	6	8
HIV / AIDS	48	0	0	0	0	0	0	2	1	2	8
Malignant neoplasms	6,774	1	2	1	1	8	8	11	17	33	59
...Colon, rectum, and anus	568	0	0	0	0	1	0	1	3	5	11
...Pancreas	506	0	0	0	0	0	1	0	0	3	3
...Trachea, bronchus, and lung	1,847	0	0	0	0	0	0	0	0	1	5
...Breast	8	0	0	0	0	0	0	0	0	0	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0	0
...Prostate	622	0	0	0	0	0	0	0	0	1	0
...Urinary tract	453	0	0	0	0	0	0	0	1	1	1
...Non-Hodgkin's lymphoma	228	0	0	0	0	0	0	0	0	1	1
...Leukemia	258	0	0	1	0	0	3	0	2	3	3
...Other malignant neoplasms	2,284	1	2	0	1	7	4	10	11	18	35
Diabetes mellitus	942	0	0	0	1	1	2	8	5	8	9
Alzheimer's disease	891	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	449	0	0	0	0	0	0	0	0	0	0
Diseases of heart	8,261	5	1	1	1	4	8	20	48	69	113
Essential hypertension	194	0	0	0	0	0	0	0	0	3	2
Cerebrovascular diseases	1,278	0	0	1	1	1	4	1	5	6	16
Influenza and pneumonia	495	3	2	0	1	2	1	2	2	4	7
Chronic lower respiratory disease	1,738	0	0	0	1	3	0	1	1	4	3
Pneumonitis due to solids and liquids	315	0	0	0	0	0	2	0	2	2	1
Chronic liver disease and cirrhosis	459	0	0	0	0	0	0	0	13	24	20
Nephritis and nephrosis	760	2	0	0	0	0	1	0	3	6	5
Perinatal conditions	110	110	0	0	0	0	0	0	0	0	0
Congenital anomalies	97	44	8	2	0	5	1	1	1	1	1
Symptoms and ill-defined conditions	233	16	2	0	0	1	4	4	6	8	6
All other diseases	4,659	21	7	9	6	5	15	32	33	49	82
Unintentional injuries	2,533	39	17	11	18	70	146	197	205	230	185
...Motor vehicle crashes	687	0	8	6	9	44	67	59	49	50	47
...Falls	382	0	0	0	0	1	1	3	1	4	6
...Accidental poisoning	1,022	1	0	0	1	14	62	125	136	151	122
...Other unintentional injuries	442	38	9	5	8	11	16	10	19	25	10
Suicide	920	0	0	0	8	42	90	74	77	81	77
Homicide	488	6	3	2	8	51	82	87	62	45	38
All other external causes	104	1	1	1	1	3	2	2	4	11	7

**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2019**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	832	1,308	2,292	2,955	3,331	3,742	3,823	3,925	6,911	0
Enterocolitis due to Clostridium difficile	0	0	1	3	3	4	6	3	10	0
Septicemia	6	14	27	53	57	61	72	54	77	0
HIV / AIDS	5	5	11	7	6	0	1	0	0	0
Malignant neoplasms	103	252	583	831	1,000	1,073	991	829	971	0
...Colon, rectum, and anus	13	37	62	75	73	79	79	55	74	0
...Pancreas	12	22	50	72	91	91	63	60	38	0
...Trachea, bronchus, and lung	17	52	160	260	302	330	300	222	198	0
...Breast	0	0	2	0	2	2	1	1	0	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0
...Prostate	2	7	18	34	60	80	103	118	199	0
...Urinary tract	10	9	27	44	58	56	83	73	90	0
...Non-Hodgkin's Lymphoma	4	7	12	22	30	38	37	25	51	0
...Leukemia	5	6	12	30	22	38	43	40	50	0
...Other malignant neoplasms	40	112	240	294	362	359	282	235	271	0
Diabetes mellitus	27	46	88	119	138	131	122	110	127	0
Alzheimer's disease	0	3	1	8	19	60	103	190	507	0
Parkinson's disease	0	1	2	11	26	50	91	109	159	0
Diseases of heart	191	352	629	778	940	985	970	1,004	2,142	0
Essential hypertension	3	8	9	16	19	20	26	30	58	0
Cerebrovascular diseases	18	34	66	85	122	143	186	187	402	0
Influenza and pneumonia	11	14	21	31	37	51	64	83	159	0
Chronic lower respiratory disease	11	27	91	163	193	303	295	272	370	0
Pneumonitis due to solids and liquids	0	6	12	17	14	32	39	53	135	0
Chronic liver disease and cirrhosis	33	45	75	80	62	43	27	20	17	0
Nephritis and nephrosis	17	17	44	58	73	90	89	120	235	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	2	4	7	9	5	2	0	1	3	0
Symptoms and ill-defined conditions	7	10	7	20	15	21	21	33	52	0
All other diseases	104	177	299	396	417	539	553	678	1,237	0
Unintentional injuries	183	193	204	168	122	93	118	118	216	0
...Motor vehicle crashes	58	54	71	42	42	23	20	22	16	0
...Falls	5	8	20	19	29	39	51	60	135	0
...Accidental poisoning	106	102	79	72	31	10	6	3	1	0
...Other unintentional injuries	14	29	34	35	20	21	41	33	64	0
Suicide	77	70	87	77	45	28	39	22	26	0
Homicide	32	19	20	20	9	2	0	0	2	0
All other external causes	2	11	8	5	9	11	10	9	6	0

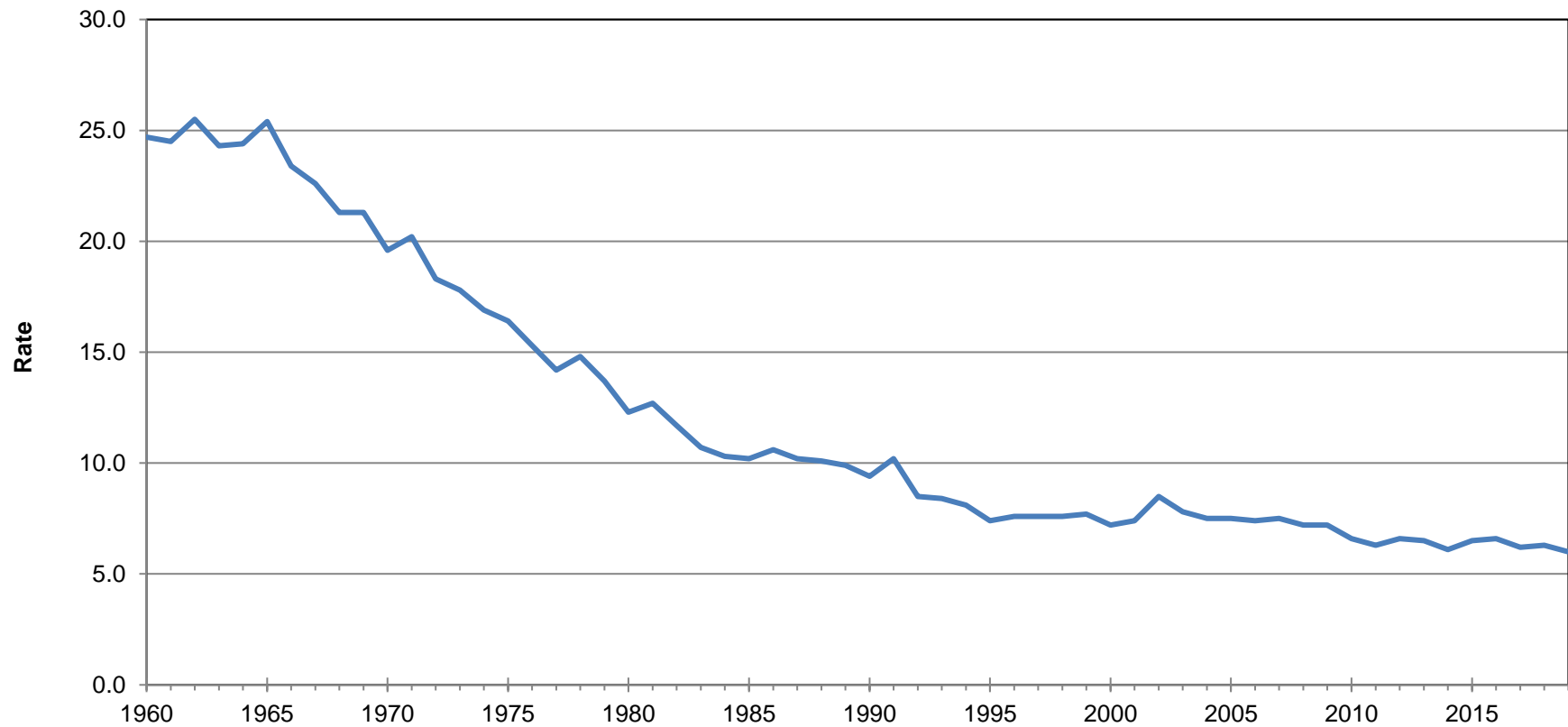
**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2019**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	29,936	183	39	23	25	67	137	172	232	309	339
Enterocolitis due to Clostridium difficile	59	0	0	0	0	0	0	0	1	1	0
Septicemia	443	3	0	0	0	0	0	0	4	1	6
HIV / AIDS	9	0	0	0	0	0	0	0	0	2	0
Malignant neoplasms	6,062	0	1	4	1	3	5	14	21	51	68
...Colon, rectum, and anus	507	0	0	0	0	0	1	0	3	3	9
...Pancreas	457	0	0	0	0	0	0	0	0	1	6
...Trachea, bronchus, and lung	1,618	0	0	0	0	0	0	0	1	2	2
...Breast	808	0	0	0	0	0	0	3	1	17	25
...Cervix uteri, corpus uteri, and ovary	559	0	0	0	0	0	0	4	5	8	9
...Prostate	0	0	0	0	0	0	0	0	0	0	0
...Urinary tract	203	0	0	2	0	0	0	0	0	0	0
...Non-Hodgkin's lymphoma	193	0	0	0	0	1	1	0	0	1	0
...Leukemia	210	0	0	0	0	0	0	2	0	3	2
...Other malignant neoplasms	1,507	0	1	2	1	2	3	5	11	16	15
Diabetes mellitus	710	0	0	0	0	0	0	1	4	9	12
Alzheimer's disease	1,890	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	284	0	0	0	0	0	0	0	0	0	0
Diseases of heart	6,698	2	0	1	1	3	3	8	14	31	40
Essential hypertension	274	0	0	0	0	0	0	1	0	2	0
Cerebrovascular diseases	1,741	1	0	0	0	0	1	2	3	4	7
Influenza and pneumonia	535	1	2	1	0	0	0	3	3	4	9
Chronic lower respiratory disease	2,037	0	0	1	2	0	1	1	2	5	8
Pneumonitis due to solids and liquids	283	0	0	0	0	0	1	0	2	1	3
Chronic liver disease and cirrhosis	280	0	0	0	0	0	0	0	5	13	11
Nephritis and nephrosis	720	1	0	0	0	0	0	2	3	4	4
Perinatal conditions	84	82	2	0	0	0	0	0	0	0	0
Congenital anomalies	91	33	6	2	1	1	3	2	4	1	2
Symptoms and ill-defined conditions	274	14	1	0	0	0	1	1	2	9	5
All other diseases	5,645	22	5	3	4	10	12	23	33	44	62
Unintentional injuries	1,397	20	16	9	10	29	60	83	86	100	69
...Motor vehicle crashes	263	1	9	6	10	19	21	22	26	18	15
...Falls	399	0	0	0	0	1	1	0	0	1	2
...Accidental poisoning	461	0	0	0	0	5	33	59	58	71	47
...Other unintentional injuries	274	19	7	3	0	4	5	2	2	10	5
Suicide	210	0	0	0	3	8	21	17	20	13	18
Homicide	135	2	6	2	2	11	27	13	18	11	11
All other external causes	75	2	0	0	1	2	2	1	7	3	4

**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2019**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	495	806	1,397	1,940	2,313	2,993	3,433	3,961	11,072	0
Enterocolitis due to Clostridium difficile	0	2	1	0	3	10	5	10	26	0
Septicemia	10	17	32	39	42	51	64	58	116	0
HIV / AIDS	5	0	1	0	0	0	1	0	0	0
Malignant neoplasms	125	245	490	704	745	895	863	743	1,084	0
...Colon, rectum, and anus	14	26	44	43	45	72	54	66	127	0
...Pancreas	9	16	28	56	71	66	79	52	73	0
...Trachea, bronchus, and lung	11	52	147	214	214	290	281	204	200	0
...Breast	23	58	81	103	92	95	91	75	144	0
...Cervix uteri, corpus uteri, and ovary	22	31	56	76	86	75	70	61	56	0
...Prostate	0	0	0	0	0	0	0	0	0	0
...Urinary tract	5	8	10	9	26	29	29	23	62	0
...Non-Hodgkin's Lymphoma	3	4	8	9	18	20	30	32	66	0
...Leukemia	1	3	8	15	18	24	32	37	65	0
...Other malignant neoplasms	37	47	108	179	175	224	197	193	291	0
Diabetes mellitus	13	29	37	50	81	88	99	99	188	0
Alzheimer's disease	0	0	3	7	30	82	167	335	1,266	0
Parkinson's disease	0	0	1	3	10	33	36	79	122	0
Diseases of heart	79	145	272	368	481	606	696	865	3,083	0
Essential hypertension	7	3	5	13	16	27	27	35	138	0
Cerebrovascular diseases	18	30	38	85	98	137	191	281	845	0
Influenza and pneumonia	7	13	23	30	36	53	55	47	248	0
Chronic lower respiratory disease	18	42	97	143	224	291	336	325	541	0
Pneumonitis due to solids and liquids	3	3	9	9	12	23	44	47	126	0
Chronic liver disease and cirrhosis	27	22	35	51	26	34	23	17	16	0
Nephritis and nephrosis	11	7	26	30	60	91	96	101	284	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	4	4	5	3	2	3	6	4	5	0
Symptoms and ill-defined conditions	1	6	7	10	20	19	32	23	123	0
All other diseases	67	131	203	297	349	464	604	772	2,540	0
Unintentional injuries	67	69	77	74	57	70	80	113	308	0
...Motor vehicle crashes	12	17	20	8	15	10	10	17	7	0
...Falls	4	6	6	8	17	37	45	65	206	0
...Accidental poisoning	43	40	44	36	13	5	4	2	1	0
...Other unintentional injuries	8	6	7	22	12	18	21	29	94	0
Suicide	18	24	23	15	16	7	1	2	4	0
Homicide	9	9	6	4	1	1	0	1	1	0
All other external causes	6	5	6	5	4	8	7	4	8	0

**Graph E. Resident Infant Deaths per 1,000 Live Births: Missouri, 1960-2019**



Year	Infant Deaths	Rate	Year	Infant Deaths	Rate	Year	Infant Deaths	Rate	Year	Infant Deaths	Rate
1960	2,414	24.7	1985	784	10.2	2010	504	6.6	2015	489	6.5
1965	2,060	25.4	1990	746	9.4	2011	482	6.3	2016	490	6.6
1970	1,580	19.6	1995	539	7.4	2012	496	6.6	2017	455	6.2
1975	1,123	16.4	2000	547	7.2	2013	488	6.5	2018	459	6.3
1980	970	12.3	2005	588	7.5	2014	456	6.1	2019	432	6.0



**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2019**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
<b>State Total</b>	687	432	417	270	162	17
<b>Counties</b>						
Adair	7	5	2	5	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	0	0	0	0	0
Barry	2	0	2	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	1	0	1	0	0	0
Bollinger	4	2	2	2	0	0
Boone	10	9	6	4	5	0
Buchanan	13	6	9	4	2	0
Butler	6	5	3	3	2	0
Caldwell	0	0	0	0	0	0
Callaway	3	4	0	3	1	0
Camden	4	0	4	0	0	1
Cape Girardeau	13	9	5	8	1	0
Carroll	0	0	0	0	0	0
Carter	1	1	0	1	0	0
Cass	14	8	11	3	5	0
Cedar	1	2	1	0	2	0
Chariton	0	0	0	0	0	0
Christian	9	5	6	3	2	0
Clark	2	0	2	0	0	0
Clay	24	16	12	12	4	1
Clinton	3	0	3	0	0	0
Cole	5	2	5	0	2	0
Cooper	1	0	1	0	0	0
Crawford	1	0	1	0	0	1
Dade	2	1	1	1	0	0
Dallas	3	5	1	2	3	0
Daviess	1	0	1	0	0	0
Dekalb	2	0	2	0	0	1
Dent	3	3	0	3	0	0
Douglas	3	3	2	1	2	0
Dunklin	4	2	2	2	0	0
Franklin	8	5	6	2	3	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Gasconade	2	0	2	0	0	0
Gentry	1	2	0	1	1	0
Greene	43	25	24	19	6	1
Grundy	1	1	0	1	0	0
Harrison	0	0	0	0	0	0
Henry	1	1	1	0	1	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	1	1	0	1	0	0
Howell	6	5	3	3	2	1
Iron	1	1	0	1	0	0
Jackson	75	49	51	24	25	2
Jasper	10	11	2	8	3	0
Jefferson	20	11	16	4	7	1
Johnson	3	4	2	1	3	0
Knox	0	0	0	0	0	0
Laclede	9	5	5	4	1	0
Lafayette	5	3	2	3	0	0
Lawrence	5	2	3	2	0	0
Lewis	1	2	0	1	1	0
Lincoln	7	5	3	4	1	0
Linn	1	0	1	0	0	0
Livingston	2	0	2	0	0	0
Macon	2	2	1	1	1	0
Madison	2	1	1	1	0	0
Maries	0	0	0	0	0	0
Marion	6	3	3	3	0	0
McDonald	3	1	3	0	1	0
Mercer	0	0	0	0	0	0
Miller	3	3	1	2	1	0
Mississippi	1	0	1	0	0	0
Moniteau	2	2	0	2	0	0
Monroe	0	0	0	0	0	0
Montgomery	2	0	2	0	0	0
Morgan	3	3	0	3	0	0
New Madrid	1	1	1	0	1	0
Newton	6	4	3	3	1	0
Nodaway	0	0	0	0	0	0

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2019**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Oregon	1	0	1	0	0	0
Osage	0	0	0	0	0	0
Ozark	1	1	0	1	0	0
Pemiscot	4	3	4	0	3	0
Perry	3	2	1	2	0	0
Pettis	5	2	3	2	0	0
Phelps	4	3	2	2	1	0
Pike	1	1	0	1	0	0
Platte	7	7	3	4	3	1
Polk	2	1	1	1	0	0
Pulaski	7	5	4	3	2	0
Putnam	0	0	0	0	0	0
Ralls	0	1	0	0	1	0
Randolph	2	3	0	2	1	0
Ray	3	1	2	1	0	0
Reynolds	2	0	2	0	0	0
Ripley	1	1	0	1	0	0
Saline	1	1	0	1	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	3	0	3	0	0	1
Shannon	0	0	0	0	0	0
Shelby	1	0	1	0	0	0
St. Charles	33	23	19	14	9	1
St. Clair	3	2	2	1	1	0
St. Francois	8	4	7	1	3	0
St. Louis City	63	34	42	21	13	1
St. Louis County	121	76	73	48	28	4
Ste. Genevieve	2	0	2	0	0	0
Stoddard	1	0	1	0	0	0
Stone	3	2	2	1	1	0
Sullivan	0	0	0	0	0	0
Taney	4	4	2	2	2	0
Texas	2	2	1	1	1	0
Vernon	3	0	3	0	0	0
Warren	7	4	4	3	1	0
Washington	1	2	0	1	1	0
Wayne	1	0	1	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Webster	9	3	7	2	1	0
Worth	0	0	0	0	0	0
Wright	2	2	0	2	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>	0	0	0	0	0	0
Ballwin	0	0	0	0	0	0
Blue Springs	5	3	3	2	1	0
Cape Girardeau	6	3	3	3	0	0
Chesterfield	5	1	4	1	0	0
Columbia	7	8	4	3	5	0
Florissant	11	6	9	2	4	0
Gladstone	3	2	1	2	0	0
Hazelwood	11	4	9	2	2	0
Independence	10	9	6	4	5	0
Jefferson City	3	0	3	0	0	0
Kirkwood	3	3	0	3	0	0
Lee's Summit	5	0	5	0	0	0
Liberty	2	3	1	1	2	0
Maryland Heights	2	2	0	2	0	0
O'Fallon	5	4	3	2	2	0
Raytown	4	2	3	1	1	0
St. Charles	2	3	1	1	2	0
St. Joseph	13	6	9	4	2	0
St. Louis City	63	34	42	21	13	1
St. Peters	5	5	1	4	1	0
Springfield	21	13	12	9	4	1
University City	4	1	3	1	0	0
Wentzville	6	3	4	2	1	0
Wildwood	2	1	1	1	0	0
<u>Multi-County Cities</u>	6	8	1	5	3	0
Joplin	6	8	1	5	3	0
...Jasper Co. Part	6	8	1	5	3	0
...Newton Co. Part	0	0	0	0	0	0
Kansas City	64	45	39	25	20	3
...Jackson Co. Part	46	32	31	15	17	2
...Clay Co. Part	16	10	8	8	2	1
...Platte Co. Part	2	3	0	2	1	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2019**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	416	256	247	169	87	10
<b>Counties</b>						
Adair	4	3	1	3	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	0	0	0	0	0
Barry	2	0	2	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	0	0	0	0	0	0
Bollinger	4	2	2	2	0	0
Boone	5	4	4	1	3	0
Buchanan	5	4	3	2	2	0
Butler	3	3	1	2	1	0
Caldwell	0	0	0	0	0	0
Callaway	3	4	0	3	1	0
Camden	4	0	4	0	0	1
Cape Girardeau	8	7	2	6	1	0
Carroll	0	0	0	0	0	0
Carter	1	1	0	1	0	0
Cass	8	8	5	3	5	0
Cedar	1	2	1	0	2	0
Chariton	0	0	0	0	0	0
Christian	9	5	6	3	2	0
Clark	2	0	2	0	0	0
Clay	12	9	6	6	3	1
Clinton	3	0	3	0	0	0
Cole	3	2	3	0	2	0
Cooper	0	0	0	0	0	0
Crawford	1	0	1	0	0	1
Dade	2	1	1	1	0	0
Dallas	3	5	1	2	3	0
Daviess	1	0	1	0	0	0
Dekalb	2	0	2	0	0	1
Dent	2	2	0	2	0	0
Douglas	3	2	2	1	1	0
Dunklin	2	1	1	1	0	0
Franklin	7	5	5	2	3	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	2	0	2	0	0	0
Gentry	1	2	0	1	1	0
Greene	39	22	21	18	4	0
Grundy	1	1	0	1	0	0
Harrison	0	0	0	0	0	0
Henry	1	1	1	0	1	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	1	1	0	1	0	0
Howell	6	5	3	3	2	1
Iron	0	0	0	0	0	0
Jackson	27	16	16	11	5	0
Jasper	9	8	2	7	1	0
Jefferson	19	8	15	4	4	1
Johnson	3	4	2	1	3	0
Knox	0	0	0	0	0	0
Laclede	9	5	5	4	1	0
Lafayette	5	3	2	3	0	0
Lawrence	4	1	3	1	0	0
Lewis	1	2	0	1	1	0
Lincoln	5	4	2	3	1	0
Linn	1	0	1	0	0	0
Livingston	2	0	2	0	0	0
Macon	2	2	1	1	1	0
Madison	2	1	1	1	0	0
Maries	0	0	0	0	0	0
Marion	2	1	1	1	0	0
McDonald	3	1	3	0	1	0
Mercer	0	0	0	0	0	0
Miller	3	3	1	2	1	0
Mississippi	0	0	0	0	0	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	2	0	2	0	0	0
Morgan	2	2	0	2	0	0
New Madrid	1	1	1	0	1	0
Newton	5	4	2	3	1	0
Nodaway	0	0	0	0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2019**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	1	0	1	0	0	0
Osage	0	0	0	0	0	0
Ozark	1	1	0	1	0	0
Pemiscot	1	2	1	0	2	0
Perry	2	2	0	2	0	0
Pettis	4	2	2	2	0	0
Phelps	3	3	1	2	1	0
Pike	0	0	0	0	0	0
Platte	6	5	3	3	2	1
Polk	2	1	1	1	0	0
Pulaski	4	2	3	1	1	0
Putnam	0	0	0	0	0	0
Ralls	0	1	0	0	1	0
Randolph	2	2	0	2	0	0
Ray	3	1	2	1	0	0
Reynolds	1	0	1	0	0	0
Ripley	1	1	0	1	0	0
Saline	1	1	0	1	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	1	0	1	0	0	1
Shannon	0	0	0	0	0	0
Shelby	1	0	1	0	0	0
St. Charles	25	18	15	10	8	0
St. Clair	3	2	2	1	1	0
St. Francois	8	3	7	1	2	0
St. Louis City	14	5	9	5	0	0
St. Louis County	40	18	26	14	4	2
Ste. Genevieve	2	0	2	0	0	0
Stoddard	1	0	1	0	0	0
Stone	3	2	2	1	1	0
Sullivan	0	0	0	0	0	0
Taney	4	4	2	2	2	0
Texas	2	2	1	1	1	0
Vernon	3	0	3	0	0	0
Warren	6	3	4	2	1	0
Washington	1	2	0	1	1	0
Wayne	1	0	1	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	9	3	7	2	1	0
Worth	0	0	0	0	0	0
Wright	2	2	0	2	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	0	0	0	0	0	0
Blue Springs	4	1	3	1	0	0
Cape Girardeau	2	1	1	1	0	0
Chesterfield	3	1	2	1	0	0
Columbia	3	4	2	1	3	0
Florissant	4	1	3	1	0	0
Gladstone	0	0	0	0	0	0
Hazelwood	2	0	2	0	0	0
Independence	4	4	2	2	2	0
Jefferson City	1	0	1	0	0	0
Kirkwood	1	1	0	1	0	0
Lee's Summit	2	0	2	0	0	0
Liberty	1	3	0	1	2	0
Maryland Heights	0	0	0	0	0	0
O'Fallon	4	4	2	2	2	0
Raytown	2	1	1	1	0	0
St. Charles	1	2	0	1	1	0
St. Joseph	5	4	3	2	2	0
St. Louis City	14	5	9	5	0	0
St. Peters	2	2	1	1	1	0
Springfield	17	10	9	8	2	0
University City	0	0	0	0	0	0
Wentzville	3	2	2	1	1	0
Wildwood	2	1	1	1	0	0
<u>Multi-County Cities</u>						
Joplin	5	5	1	4	1	0
...Jasper Co. Part	5	5	1	4	1	0
...Newton Co. Part	0	0	0	0	0	0
Kansas City	21	15	10	11	4	1
...Jackson Co. Part	12	8	6	6	2	0
...Clay Co. Part	8	5	4	4	1	1
...Platte Co. Part	1	2	0	1	1	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2019**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	191	123	125	66	57	4
<b>Counties</b>						
Adair	3	2	1	2	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	0	0	0	0	0
Barry	0	0	0	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	1	0	1	0	0	0
Bollinger	0	0	0	0	0	0
Boone	3	2	2	1	1	0
Buchanan	1	0	1	0	0	0
Butler	1	2	0	1	1	0
Caldwell	0	0	0	0	0	0
Callaway	0	0	0	0	0	0
Camden	0	0	0	0	0	0
Cape Girardeau	5	2	3	2	0	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	3	0	3	0	0	0
Cedar	0	0	0	0	0	0
Chariton	0	0	0	0	0	0
Christian	0	0	0	0	0	0
Clark	0	0	0	0	0	0
Clay	6	4	3	3	1	0
Clinton	0	0	0	0	0	0
Cole	2	0	2	0	0	0
Cooper	0	0	0	0	0	0
Crawford	0	0	0	0	0	0
Dade	0	0	0	0	0	0
Dallas	0	0	0	0	0	0
Daviess	0	0	0	0	0	0
Dekalb	0	0	0	0	0	0
Dent	0	0	0	0	0	0
Douglas	0	1	0	0	1	0
Dunklin	1	1	0	1	0	0
Franklin	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	0	0	0	0	0
Greene	2	0	2	0	0	0
Grundy	0	0	0	0	0	0
Harrison	0	0	0	0	0	0
Henry	0	0	0	0	0	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	0	0	0	0	0	0
Howell	0	0	0	0	0	0
Iron	1	1	0	1	0	0
Jackson	34	24	25	9	15	1
Jasper	0	1	0	0	1	0
Jefferson	0	1	0	0	1	0
Johnson	0	0	0	0	0	0
Knox	0	0	0	0	0	0
Laclede	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0
Lawrence	0	0	0	0	0	0
Lewis	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Linn	0	0	0	0	0	0
Livingston	0	0	0	0	0	0
Macon	0	0	0	0	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	3	1	2	1	0	0
McDonald	0	0	0	0	0	0
Mercer	0	0	0	0	0	0
Miller	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	0	0	0	0	0	0
New Madrid	0	0	0	0	0	0
Newton	0	0	0	0	0	0
Nodaway	0	0	0	0	0	0

**Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2019**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	0	0	0	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	3	0	3	0	0	0
Perry	0	0	0	0	0	0
Pettis	0	0	0	0	0	0
Phelps	0	0	0	0	0	0
Pike	0	0	0	0	0	0
Platte	1	1	0	1	0	0
Polk	0	0	0	0	0	0
Pulaski	3	2	1	2	0	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	0	1	0	0	1	0
Ray	0	0	0	0	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
Saline	0	0	0	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	1	0	1	0	0	0
Shannon	0	0	0	0	0	0
Shelby	0	0	0	0	0	0
St. Charles	2	1	2	0	1	0
St. Clair	0	0	0	0	0	0
St. Francois	0	0	0	0	0	0
St. Louis City	44	27	30	14	13	1
St. Louis County	71	49	43	28	21	2
Ste. Genevieve	0	0	0	0	0	0
Stoddard	0	0	0	0	0	0
Stone	0	0	0	0	0	0
Sullivan	0	0	0	0	0	0
Taney	0	0	0	0	0	0
Texas	0	0	0	0	0	0
Vernon	0	0	0	0	0	0
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	0	0	0	0	0	0
Worth	0	0	0	0	0	0
Wright	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	0	0	0	0	0	0
Blue Springs	0	1	0	0	1	0
Cape Girardeau	4	2	2	2	0	0
Chesterfield	2	0	2	0	0	0
Columbia	3	2	2	1	1	0
Florissant	7	4	6	1	3	0
Gladstone	1	0	1	0	0	0
Hazelwood	9	4	7	2	2	0
Independence	4	2	3	1	1	0
Jefferson City	2	0	2	0	0	0
Kirkwood	2	2	0	2	0	0
Lee's Summit	2	0	2	0	0	0
Liberty	1	0	1	0	0	0
Maryland Heights	2	2	0	2	0	0
O'Fallon	0	0	0	0	0	0
Raytown	2	1	2	0	1	0
St. Charles	0	1	0	0	1	0
St. Joseph	1	0	1	0	0	0
St. Louis City	44	27	30	14	13	1
St. Peters	0	0	0	0	0	0
Springfield	2	0	2	0	0	0
University City	4	1	3	1	0	0
Wentzville	2	0	2	0	0	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	0	1	0	0	1	0
...Jasper Co. Part	0	1	0	0	1	0
...Newton Co. Part	0	0	0	0	0	0
Kansas City	29	24	18	11	13	1
...Jackson Co. Part	24	19	17	7	12	1
...Clay Co. Part	4	4	1	3	1	0
...Platte Co. Part	1	1	0	1	0	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22D. Resident Perinatal, Infant, Fetal, Neonatal, and Post-Neonatal Deaths  
by Resident BRFSS Region with Rates per 1,000 Live Births: Missouri, 2019**

	<u>Number</u>					<u>Rates</u>				
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths
<b>State Total</b>	687	432	417	270	162	9.5	6.0	5.8	3.7	2.2
<b>BRFSS Regions</b>										
Northeast	27	19	12	15	4	9.3	6.6*	4.1*	5.2*	1.4*
Northwest	20	12	14	6	6	7.3	4.4*	5.1*	2.2*	2.2*
Central	65	44	35	30	14	7.9	5.3	4.2	3.6	1.7*
Southeast	74	46	43	31	15	11.4	7.1	6.6	4.8	2.3*
Southwest	110	69	65	45	24	9.7	6.1	5.7	4.0	2.1
St. Louis Metro	260	158	164	96	62	10.5	6.4	6.6	3.9	2.5
Kansas City Metro	131	84	84	47	37	8.5	5.4	5.4	3.0	2.4
Metro	527	334	321	206	128	9.6	6.1	5.9	3.8	2.3
Non-Metro	160	98	96	64	34	9.3	5.7	5.6	3.7	2.0
Unknown	0	0	0	0	0	0	0	0	0	0

\*-Rate is unstable due to inclusion of fewer than 20 events.



**Table 22E. White Non-Hispanic and Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by Resident BRFSS Region: Missouri, 2019**

	<u>White Non-Hispanic</u>						<u>Black Non-Hispanic</u>					
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	416	256	247	169	87	10	191	123	125	66	57	4
<b>BRFSS Regions</b>												
Northeast	19	13	9	10	3	0	6	4	3	3	1	0
Northwest	12	10	8	4	6	1	1	0	1	0	0	0
Central	48	32	27	21	11	1	8	4	5	3	1	0
Southeast	54	36	29	25	11	2	12	7	7	5	2	0
Southwest	102	62	60	42	20	0	3	1	3	0	1	0
St. Louis Metro	117	61	77	40	21	4	117	78	75	42	36	3
Kansas City Metro	64	42	37	27	15	2	44	29	31	13	16	1
Metro	289	178	170	119	59	5	174	112	116	58	54	4
Non-Metro	127	78	77	50	28	5	17	11	9	8	3	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0

**Table 23. Resident Infant Deaths and Rates per 1,000 Live Births  
by Cause of Death by Race and by Age at Death: Missouri, 2019**

		Number	Rate	Neonatal Deaths	Post- Neonatal Deaths	Under 1 Hour	Over 1 Hour, < 1 Day	Over 1 Day, < 7 Days	Over 7 Days, < 28 Days	Over 28 Days, < 3 Months	Over 3 Months, < 6 Months	Over 6 Months, < 1 Year
<b>All Causes</b>	White	256	4.9	169	87	27	72	39	31	38	29	20
	Black	123	11.7	66	57	8	25	18	15	21	19	17
	Total	432	6.0	270	162	42	111	62	54	69	52	41
<b>Infectious Diseases (A00-B99, P35-P39)</b>	White	13	0.2	9	4	0	0	2	7	4	0	0
	Black	12	1.1	6	6	0	0	2	4	4	2	0
	Total	29	0.4	17	12	0	0	4	13	10	2	0
<b>Nervous System Diseases (G00-G98)</b>	White	9	0.2	3	6	0	0	1	2	3	2	1
	Black	1	0.1	1	0	0	0	0	1	0	0	0
	Total	11	0.2	4	7	0	0	1	3	4	2	1
<b>Circulatory System Diseases (I00-I99)</b>	White	7	0.1	2	5	0	0	2	0	2	1	2
	Black	1	0.1	0	1	0	0	0	0	0	0	1
	Total	8	0.1	2	6	0	0	2	0	2	1	3
<b>Respiratory System Diseases (J00-J99)</b>	White	4	0.1	1	3	0	1	0	0	2	0	1
	Black	8	0.8	0	8	0	0	0	0	4	3	1
	Total	13	0.2	1	12	0	1	0	0	6	4	2
<b>Perinatal Conditions (P00-P34, P40-P96)</b>	White	102	1.9	92	10	22	44	18	8	5	2	3
	Black	49	4.7	46	3	6	21	12	7	1	1	1
	Total	177	2.5	164	13	34	77	33	19	6	3	4
<b>Congenital Anomalies (Q00-Q99)</b>	White	55	1.1	47	8	5	24	14	4	3	1	4
	Black	12	1.1	11	1	1	4	4	2	0	1	0
	Total	77	1.1	64	13	7	30	20	7	5	3	5
<b>Sudden Infant Death Syndrome (R95)</b>	White	6	0.1	1	5	0	0	0	1	2	2	1
	Black	2	0.2	0	2	0	0	0	0	1	1	0
	Total	11	0.2	2	9	0	0	0	2	4	3	2
<b>Unintentional Injuries (V01-X59)</b>	White	33	0.6	4	29	0	0	1	3	13	12	4
	Black	19	1.8	1	18	0	0	0	1	6	8	4
	Total	59	0.8	5	54	0	0	1	4	22	22	10
<b>Homicide (X85-Y09)</b>	White	2	0.0	0	2	0	0	0	0	0	2	0
	Black	6	0.6	0	6	0	0	0	0	1	1	4
	Total	8	0.1	0	8	0	0	0	0	1	3	4
<b>All Other Causes</b>	White	25	0.5	10	15	0	3	1	6	4	7	4
	Black	13	1.2	1	12	1	0	0	0	4	2	6
	Total	39	0.5	11	28	1	3	1	6	9	9	10

**Table 24. Resident Infant Deaths and Rates per 1,000 Live Births  
by Age of Mother by Birth Order: Missouri, 2019**

	Birth Order					Rates				
	All Orders	1st	2nd or 3rd	4th or 5th	6th or More	All Orders	1st	2nd or 3rd	4th or 5th	6th or More
All Ages	443	108	183	89	63	6.1	5.1	5.6	7.1	11.7
Under 18	9	9	0	0	0	10.0*	11.0*	0.0*	0.0*	0
18-19	22	14	7	1	0	7.4	6.4*	9.3*	25.6*	0.0*
20-24	119	37	65	11	6	7.5	5.5	8.8	7.7*	23.2*
25-29	134	26	61	33	14	5.9	4.0	5.5	8.3	11.0*
30-34	89	17	29	23	20	4.6	4.4*	3.1	5.4	10.4
35-39	57	4	15	19	19	6.7	3.6*	4.2*	7.9*	12.9*
40 and Over	13	1	6	2	4	8.2*	6.4*	10.8*	4.6*	8.8*

**Table 25. Resident Infant Deaths and Rates per 1,000 Live Births  
by Birth Weight by Race of Mother: Missouri, 2019**

Birth Weight (Grams)	Mother's Race			Rates		
	All Races	White	Black	All Races	White	Black
All Weights	443	283	113	6.1	5.4	10.8
Under 500	82	44	34	752.3	830.2	708.3
500-999	93	60	21	244.7	274.0	201.9
1,000-1,499	21	12	6	38.1	36.6*	37.0*
1,500-1,999	29	22	4	22.2	26.9	12.2*
2,000-2,499	39	28	6	9.7	11.3	5.9*
2,500-2,999	78	51	18	5.9	6.0	6.4*
3,000-3,499	63	39	17	2.3	2.0	4.3*
3,500-3,999	26	18	6	1.4	1.2*	3.5*
4,000 or More	7	5	1	1.3*	1.1*	3.1*

Infant death totals in Table 24 and 25 do not agree with the totals in Table 22 and 23 because Tables 24 and 25 include only infant deaths that have been matched with their corresponding birth records. In addition, Table 24 and 25 may include some infant deaths that came in after the cutoff date as explained in the Appendix under "Sources of Vital Records".  
 \*-Rate is unstable due to inclusion of fewer than 20 events.

**Table 26A. Resident Deaths by Selected Causes of Death by Race and Hispanic Origin  
With Rates per 100,000 Residents: Missouri, 2019**

	Total Crude Rate	Total Age-Adjusted Rate*	All Races	White, Non-Hisp.	Black, Non-Hisp.	Hispanic, Any Race	Other Races
All causes	1,012.7	797.7	62,155	53,913	6,811	598	767
Enterocolitis due to Clostridium difficile	1.5	1.1	89	85	3	0	1
Septicemia	14.4	11.1	884	734	132	9	7
HIV / AIDS	0.9	0.9	57	23	33	0	1
Malignant neoplasms	209.1	159.3	12,836	11,254	1,294	106	178
...Colon, rectum, and anus	17.5	13.6	1,075	949	100	11	14
...Pancreas	15.7	11.9	963	830	119	5	9
...Trachea, bronchus, and lung	56.5	42.0	3,465	3,079	329	14	42
...Breast	13.3	10.5	816	693	101	8	14
...Cervix uteri, corpus uteri, and ovary	9.1	7.1	559	457	84	5	13
...Prostate	10.1	7.7	622	532	79	5	6
...Urinary tract	10.7	8.2	656	594	47	6	9
...Non-Hodgkin's lymphoma	6.9	5.2	421	388	24	5	4
...Leukemia	7.6	5.9	468	424	32	7	5
...Other malignant neoplasms	61.8	47.2	3,791	3,308	379	40	62
Diabetes mellitus	26.9	20.8	1,652	1,367	242	22	20
Alzheimer's disease	45.3	34.1	2,781	2,558	185	19	19
Parkinson's disease	11.9	9.2	733	691	29	8	4
Diseases of heart	243.7	186.2	14,959	13,151	1,522	107	160
Essential hypertension	7.6	5.8	468	385	73	6	3
Cerebrovascular diseases	49.2	37.6	3,019	2,560	383	31	40
Influenza and pneumonia	16.8	13.0	1,030	924	85	8	12
Chronic lower respiratory disease	61.5	46.5	3,775	3,532	209	13	20
Pneumonitis due to solids and liquids	9.7	7.5	598	553	32	2	10
Chronic liver disease and cirrhosis	12.0	10.0	739	638	62	24	11
Nephritis and nephrosis	24.1	18.4	1,480	1,221	228	16	13
Conditions orig. in perinatal period	3.2	3.7	194	110	56	13	13
Congenital anomalies	3.1	3.1	188	150	24	7	7
Symptoms and ill-defined conditions	8.3	6.8	507	424	65	8	8
All other diseases	167.9	130.4	10,304	9,086	1,008	88	111
Unintentional injuries	64.0	60.7	3,930	3,140	639	57	86
...Motor vehicle crashes	15.5	15.2	950	733	162	20	30
...Falls	12.7	9.8	781	740	30	5	6
...Accidental poisoning	24.2	25.3	1,483	1,054	369	23	34
...Other unintentional injuries	11.7	10.4	716	613	78	9	16
Suicide	18.4	18.1	1,130	1,013	56	32	28
Homicide	10.2	10.8	623	165	425	18	15
All other external causes	2.9	2.7	179	149	26	4	0

\*United States 2000 population distribution used as the standard for age-adjusted death rates.

**Table 26B. Resident Deaths by Selected Causes of Death by BRFSS Region and Metro/Non-Metro Area: Missouri, 2019**

	BRFSS Region							Metro	Non-Metro
	Central	Kansas City	Northeast	Northwest	St. Louis	Southeast	Southwest		
All causes	7,133	11,309	2,914	2,354	20,922	7,099	10,424	43,844	18,311
Enterocolitis due to Clostridium difficile	5	13	6	5	25	8	27	58	31
Septicemia	86	170	41	33	289	103	162	622	262
HIV / AIDS	2	17	0	1	25	4	8	49	8
Malignant neoplasms	1,432	2,416	637	518	4,259	1,426	2,148	9,048	3,788
...Colon, rectum, and anus	110	208	61	55	311	151	179	713	362
...Pancreas	104	193	41	38	331	94	162	688	275
...Trachea, bronchus, and lung	404	589	186	129	1,136	453	568	2,348	1,117
...Breast	86	183	31	36	273	69	138	625	191
...Cervix uteri, corpus uteri, and ovary	58	119	21	19	206	48	88	432	127
...Prostate	68	129	25	23	202	61	114	456	166
...Urinary tract	72	118	25	31	211	73	126	464	192
...Non-Hodgkin's lymphoma	39	81	24	19	141	53	64	299	122
...Leukemia	59	82	24	21	171	44	67	330	138
...Other malignant neoplasms	432	714	199	147	1,277	380	642	2,693	1,098
Diabetes mellitus	328	250	76	100	490	166	242	1,104	548
Alzheimer's disease	230	304	130	93	1,173	365	486	1,991	790
Parkinson's disease	76	152	18	9	259	75	144	570	163
Diseases of heart	1,611	2,446	697	595	5,040	1,822	2,748	10,305	4,654
Essential hypertension	121	76	31	12	147	35	46	305	163
Cerebrovascular diseases	336	532	165	93	1,084	370	439	2,127	892
Influenza and pneumonia	127	170	51	32	311	153	186	692	338
Chronic lower respiratory disease	559	694	179	174	911	568	690	2,437	1,338
Pneumonitis due to solids and liquids	84	123	35	43	195	43	75	412	186
Chronic liver disease and cirrhosis	71	140	26	27	230	90	155	545	194
Nephritis and nephrosis	173	295	88	39	454	211	220	1,001	479
Conditions orig. in perinatal period	24	35	13	5	70	16	31	151	43
Congenital anomalies	25	42	8	10	57	22	24	140	48
Symptoms and ill-defined conditions	66	85	26	25	155	73	77	339	168
All other diseases	1,184	2,162	485	399	3,352	1,038	1,684	7,437	2,867
Unintentional injuries	402	686	145	93	1,659	357	588	2,968	962
...Motor vehicle crashes	112	192	41	24	294	129	158	637	313
...Falls	61	151	33	21	346	55	114	615	166
...Accidental poisoning	135	210	34	25	812	93	174	1,231	252
...Other unintentional injuries	94	133	37	23	207	80	142	485	231
Suicide	128	278	39	38	342	109	196	845	285
Homicide	42	185	4	5	327	33	27	565	58
All other external causes	21	38	14	5	68	12	21	133	46

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Adair	Andrew	Atchison	Audrain	Barry	Barton	Bates
All causes	247	172	87	314	413	153	217
Enterocolitis due to Clostridium difficile	1	0	1	0	4	0	0
Septicemia	3	1	3	4	7	2	3
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	52	54	16	64	88	30	39
...Colon, rectum, and anus	6	7	4	3	12	4	5
...Pancreas	7	3	3	6	5	0	3
...Trachea, bronchus, and lung	11	16	5	19	19	4	13
...Breast	1	4	1	4	4	1	2
...Cervix uteri, corpus uteri, and ovary	3	3	0	5	4	1	1
...Prostate	2	1	0	4	8	5	4
...Urinary tract	3	3	0	2	3	3	1
...Non-Hodgkin's lymphoma	2	1	0	1	2	1	1
...Leukemia	2	2	0	3	2	0	0
...Other malignant neoplasms	15	14	3	17	29	11	9
Diabetes mellitus	10	1	8	16	8	0	3
Alzheimer's disease	22	11	5	11	20	7	13
Parkinson's disease	2	0	2	4	6	2	1
Diseases of heart	51	38	8	72	112	36	46
Essential hypertension	0	3	0	13	1	2	1
Cerebrovascular diseases	8	5	7	10	28	10	15
Influenza and pneumonia	3	0	3	4	5	2	1
Chronic lower respiratory disease	20	12	7	29	28	18	26
Pneumonitis due to solids and liquids	4	2	1	2	3	3	3
Chronic liver disease and cirrhosis	2	1	1	1	3	0	4
Nephritis and nephrosis	9	3	1	8	15	3	4
Conditions orig. in perinatal period	4	0	0	0	0	0	0
Congenital anomalies	0	0	0	1	0	0	0
Symptoms and ill-defined conditions	4	0	3	2	1	0	1
All other diseases	37	30	16	57	58	25	41
Unintentional injuries	8	7	4	8	20	11	13
...Motor vehicle crashes	4	3	1	2	8	4	3
...Falls	2	0	0	1	4	1	4
...Accidental poisoning	1	2	0	2	3	1	5
...Other unintentional injuries	1	2	3	3	5	5	1
Suicide	1	4	1	5	6	0	3
Homicide	2	0	0	2	0	0	0
All other external causes	4	0	0	1	0	2	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	Callaway
All causes	317	118	1,204	924	568	105	424
Enterocolitis due to Clostridium difficile	0	0	0	2	1	1	1
Septicemia	8	0	8	12	16	0	11
HIV / AIDS	0	0	0	1	0	0	0
Malignant neoplasms	72	31	241	202	111	15	96
...Colon, rectum, and anus	9	5	22	18	12	2	8
...Pancreas	5	3	20	11	7	0	6
...Trachea, bronchus, and lung	26	13	49	44	35	3	31
...Breast	1	1	21	19	7	1	8
...Cervix uteri, corpus uteri, and ovary	2	1	9	11	1	2	0
...Prostate	1	0	17	11	4	1	4
...Urinary tract	3	2	9	14	7	0	3
...Non-Hodgkin's lymphoma	1	1	6	8	4	0	1
...Leukemia	3	0	10	7	2	0	4
...Other malignant neoplasms	21	5	78	59	32	6	31
Diabetes mellitus	7	3	39	50	30	3	23
Alzheimer's disease	12	1	46	42	39	2	11
Parkinson's disease	4	2	17	3	5	1	6
Diseases of heart	63	37	253	232	123	19	99
Essential hypertension	5	1	9	2	2	1	9
Cerebrovascular diseases	18	6	71	39	27	5	15
Influenza and pneumonia	4	2	16	13	20	0	7
Chronic lower respiratory disease	25	9	82	94	38	13	23
Pneumonitis due to solids and liquids	2	0	13	7	2	2	5
Chronic liver disease and cirrhosis	2	2	9	13	7	1	5
Nephritis and nephrosis	7	4	26	9	14	2	12
Conditions orig. in perinatal period	0	0	5	2	1	0	3
Congenital anomalies	1	1	5	6	4	0	3
Symptoms and ill-defined conditions	2	0	12	7	7	2	4
All other diseases	52	16	230	141	91	23	63
Unintentional injuries	21	3	72	32	21	10	19
...Motor vehicle crashes	8	2	20	3	6	7	6
...Falls	2	0	7	7	2	2	2
...Accidental poisoning	2	1	27	16	8	0	6
...Other unintentional injuries	9	0	18	6	5	1	5
Suicide	9	0	30	8	8	5	5
Homicide	2	0	17	4	1	0	4
All other external causes	1	0	3	3	0	0	0



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar	Chariton
All causes	518	837	107	87	1,016	223	93
Enterocolitis due to Clostridium difficile	1	0	0	0	2	1	0
Septicemia	2	15	3	3	15	1	3
HIV / AIDS	0	1	0	0	0	1	0
Malignant neoplasms	113	157	18	13	226	56	19
...Colon, rectum, and anus	10	14	3	0	20	6	2
...Pancreas	10	9	1	0	10	6	2
...Trachea, bronchus, and lung	33	46	4	2	54	12	4
...Breast	7	9	0	2	20	5	1
...Cervix uteri, corpus uteri, and ovary	2	9	1	0	7	2	0
...Prostate	7	5	1	1	18	2	1
...Urinary tract	2	10	3	0	17	3	2
...Non-Hodgkin's lymphoma	5	7	1	1	8	0	0
...Leukemia	7	6	2	2	13	2	2
...Other malignant neoplasms	30	42	2	5	59	18	5
Diabetes mellitus	6	4	0	3	18	6	5
Alzheimer's disease	19	58	2	8	17	9	2
Parkinson's disease	4	15	1	0	13	5	2
Diseases of heart	122	229	38	18	226	45	25
Essential hypertension	4	1	3	0	6	0	1
Cerebrovascular diseases	25	49	3	5	42	10	4
Influenza and pneumonia	7	16	2	4	11	3	1
Chronic lower respiratory disease	63	50	8	8	72	16	7
Pneumonitis due to solids and liquids	2	6	1	0	12	2	4
Chronic liver disease and cirrhosis	5	14	1	1	13	2	2
Nephritis and nephrosis	12	27	1	2	22	2	2
Conditions orig. in perinatal period	0	7	0	0	3	0	0
Congenital anomalies	0	4	0	1	4	0	0
Symptoms and ill-defined conditions	2	10	0	0	8	2	0
All other diseases	91	106	18	12	208	45	15
Unintentional injuries	30	43	6	6	57	14	1
...Motor vehicle crashes	6	11	1	3	17	4	0
...Falls	8	9	2	0	19	3	0
...Accidental poisoning	7	14	1	2	13	3	0
...Other unintentional injuries	9	9	2	1	8	4	1
Suicide	7	17	2	2	31	2	0
Homicide	0	4	0	1	5	1	0
All other external causes	3	4	0	0	5	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Christian	Clark	Clay	Clinton	Cole	Cooper	Crawford
All causes	734	77	1,898	231	716	185	322
Enterocolitis due to Clostridium difficile	1	0	1	0	1	0	1
Septicemia	7	1	28	1	12	5	8
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	161	16	420	52	149	34	74
...Colon, rectum, and anus	16	0	43	2	13	1	5
...Pancreas	16	1	45	2	9	4	6
...Trachea, bronchus, and lung	43	4	103	15	39	11	27
...Breast	9	0	29	3	10	0	5
...Cervix uteri, corpus uteri, and ovary	5	0	22	5	7	1	2
...Prostate	9	1	19	3	6	2	6
...Urinary tract	7	1	16	3	5	3	5
...Non-Hodgkin's lymphoma	2	1	14	0	7	0	2
...Leukemia	4	0	9	2	9	2	2
...Other malignant neoplasms	50	8	120	17	44	10	14
Diabetes mellitus	31	1	33	11	37	6	7
Alzheimer's disease	35	2	74	5	18	5	15
Parkinson's disease	16	0	32	3	7	2	3
Diseases of heart	176	23	407	51	146	45	101
Essential hypertension	2	1	8	2	15	1	3
Cerebrovascular diseases	19	5	93	14	31	10	8
Influenza and pneumonia	16	1	33	4	16	4	3
Chronic lower respiratory disease	44	3	114	22	58	15	10
Pneumonitis due to solids and liquids	3	0	28	4	11	5	2
Chronic liver disease and cirrhosis	13	3	20	3	5	3	5
Nephritis and nephrosis	10	5	54	4	20	6	3
Conditions orig. in perinatal period	3	0	9	0	0	0	0
Congenital anomalies	2	0	6	0	1	0	0
Symptoms and ill-defined conditions	3	0	10	6	7	1	2
All other diseases	136	14	336	37	130	33	45
Unintentional injuries	31	2	111	8	36	7	20
...Motor vehicle crashes	10	1	31	3	13	5	9
...Falls	6	1	27	1	5	0	3
...Accidental poisoning	8	0	35	1	9	1	6
...Other unintentional injuries	7	0	18	3	9	1	2
Suicide	22	0	57	3	10	2	6
Homicide	2	0	15	1	5	1	5
All other external causes	1	0	9	0	1	0	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Dade	Dallas	Daviess	Dekalb	Dent	Douglas	Dunklin
All causes	116	214	84	102	227	180	414
Enterocolitis due to Clostridium difficile	1	1	0	1	0	1	0
Septicemia	1	6	1	1	1	4	7
HIV / AIDS	0	0	0	0	0	1	0
Malignant neoplasms	20	46	15	20	46	36	75
...Colon, rectum, and anus	1	1	4	2	9	3	10
...Pancreas	1	5	1	3	1	2	4
...Trachea, bronchus, and lung	4	11	2	4	13	9	25
...Breast	2	1	1	2	3	3	2
...Cervix uteri, corpus uteri, and ovary	1	3	1	0	1	1	2
...Prostate	0	4	0	0	0	2	3
...Urinary tract	2	4	0	1	3	4	2
...Non-Hodgkin's lymphoma	1	2	2	0	2	1	3
...Leukemia	1	2	0	1	2	2	3
...Other malignant neoplasms	7	13	4	7	12	9	21
Diabetes mellitus	3	11	3	2	15	3	10
Alzheimer's disease	10	9	1	8	12	8	21
Parkinson's disease	2	0	0	0	1	0	3
Diseases of heart	34	39	33	29	43	53	102
Essential hypertension	0	2	1	0	2	0	1
Cerebrovascular diseases	7	7	5	1	10	11	18
Influenza and pneumonia	1	3	1	0	5	1	13
Chronic lower respiratory disease	6	17	1	4	18	7	45
Pneumonitis due to solids and liquids	1	0	1	0	4	0	2
Chronic liver disease and cirrhosis	2	5	0	3	4	5	12
Nephritis and nephrosis	2	3	1	4	8	7	21
Conditions orig. in perinatal period	0	1	0	0	3	1	0
Congenital anomalies	2	1	0	0	0	0	1
Symptoms and ill-defined conditions	0	3	1	2	6	3	6
All other diseases	19	42	12	21	33	27	45
Unintentional injuries	4	13	4	4	9	10	23
...Motor vehicle crashes	2	4	2	3	2	2	13
...Falls	0	0	2	0	1	2	2
...Accidental poisoning	2	2	0	0	6	1	3
...Other unintentional injuries	0	7	0	1	0	5	5
Suicide	0	4	4	2	5	1	6
Homicide	0	1	0	0	1	0	2
All other external causes	1	0	0	0	1	1	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
All causes	1,147	226	87	2,999	125	106	308
Enterocolitis due to Clostridium difficile	3	0	0	8	0	0	1
Septicemia	16	3	1	50	4	0	5
HIV / AIDS	0	0	0	4	0	0	0
Malignant neoplasms	242	42	19	572	26	20	62
...Colon, rectum, and anus	22	4	1	39	3	2	5
...Pancreas	11	5	2	44	3	2	5
...Trachea, bronchus, and lung	63	12	5	147	6	7	21
...Breast	22	1	0	46	1	3	0
...Cervix uteri, corpus uteri, and ovary	7	1	0	25	0	0	1
...Prostate	10	2	2	35	2	0	1
...Urinary tract	6	3	0	35	4	2	1
...Non-Hodgkin's lymphoma	9	1	1	22	1	0	1
...Leukemia	9	1	0	17	0	1	5
...Other malignant neoplasms	83	12	8	162	6	3	22
Diabetes mellitus	19	5	0	73	1	4	5
Alzheimer's disease	61	8	6	183	6	4	12
Parkinson's disease	11	2	1	40	0	0	1
Diseases of heart	290	49	15	749	32	25	95
Essential hypertension	5	2	0	14	2	1	0
Cerebrovascular diseases	48	5	5	104	7	5	5
Influenza and pneumonia	16	2	2	45	2	2	8
Chronic lower respiratory disease	67	21	8	196	5	8	21
Pneumonitis due to solids and liquids	7	6	0	18	1	0	4
Chronic liver disease and cirrhosis	11	4	0	55	1	0	5
Nephritis and nephrosis	16	5	0	66	2	2	7
Conditions orig. in perinatal period	1	0	1	14	1	0	0
Congenital anomalies	5	0	1	7	0	1	1
Symptoms and ill-defined conditions	3	2	5	18	0	0	2
All other diseases	182	48	17	501	27	26	42
Unintentional injuries	112	17	5	196	5	4	26
...Motor vehicle crashes	25	3	2	26	3	0	6
...Falls	37	6	1	62	1	1	4
...Accidental poisoning	37	5	1	77	0	1	3
...Other unintentional injuries	13	3	1	31	1	2	13
Suicide	20	4	1	65	3	3	5
Homicide	2	1	0	11	0	0	0
All other external causes	10	0	0	10	0	1	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper
All causes	146	59	106	546	157	6,467	1,238
Enterocolitis due to Clostridium difficile	0	0	0	0	0	8	5
Septicemia	1	0	2	1	1	108	21
HIV / AIDS	0	0	0	0	0	16	1
Malignant neoplasms	36	12	12	100	34	1,360	242
...Colon, rectum, and anus	3	2	1	9	1	107	17
...Pancreas	1	1	0	6	2	109	14
...Trachea, bronchus, and lung	12	3	3	33	11	328	69
...Breast	0	0	1	3	3	99	18
...Cervix uteri, corpus uteri, and ovary	2	1	1	2	2	70	9
...Prostate	0	0	3	6	0	67	13
...Urinary tract	4	1	0	6	2	68	19
...Non-Hodgkin's lymphoma	1	0	1	5	2	44	5
...Leukemia	1	2	0	2	2	46	6
...Other malignant neoplasms	12	2	2	28	9	422	72
Diabetes mellitus	7	5	3	12	2	155	24
Alzheimer's disease	3	5	2	11	4	145	45
Parkinson's disease	1	1	0	5	2	75	19
Diseases of heart	37	14	28	125	51	1,373	359
Essential hypertension	0	0	1	1	2	47	6
Cerebrovascular diseases	4	2	7	32	7	309	64
Influenza and pneumonia	4	1	2	14	3	105	26
Chronic lower respiratory disease	8	2	5	38	8	359	94
Pneumonitis due to solids and liquids	0	0	1	5	2	56	6
Chronic liver disease and cirrhosis	1	0	4	10	1	74	25
Nephritis and nephrosis	6	0	4	10	5	177	22
Conditions orig. in perinatal period	0	0	1	1	0	18	4
Congenital anomalies	0	0	1	1	0	27	4
Symptoms and ill-defined conditions	3	1	0	4	2	54	12
All other diseases	23	13	23	131	25	1,287	177
Unintentional injuries	7	2	6	29	7	390	57
...Motor vehicle crashes	2	1	3	10	1	106	13
...Falls	2	1	1	7	1	73	9
...Accidental poisoning	2	0	0	2	3	138	15
...Other unintentional injuries	1	0	2	10	2	73	20
Suicide	2	1	4	12	1	141	20
Homicide	1	0	0	3	0	160	4
All other external causes	2	0	0	1	0	23	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Jefferson	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis
All causes	2,175	420	39	462	384	498	108
Enterocolitis due to Clostridium difficile	4	1	0	1	0	1	0
Septicemia	22	7	0	7	3	9	4
HIV / AIDS	0	0	0	1	1	0	0
Malignant neoplasms	465	101	9	93	77	103	21
...Colon, rectum, and anus	37	10	1	11	3	8	0
...Pancreas	30	9	0	3	9	7	1
...Trachea, bronchus, and lung	154	29	3	29	17	24	4
...Breast	24	5	0	4	10	9	3
...Cervix uteri, corpus uteri, and ovary	20	0	0	2	4	3	1
...Prostate	15	4	0	2	4	3	0
...Urinary tract	18	6	0	6	3	5	1
...Non-Hodgkin's lymphoma	12	5	0	3	5	5	1
...Leukemia	20	4	1	4	2	5	2
...Other malignant neoplasms	135	29	4	29	20	34	8
Diabetes mellitus	59	19	0	12	8	14	3
Alzheimer's disease	109	1	3	10	8	38	2
Parkinson's disease	21	1	0	4	7	5	0
Diseases of heart	521	101	11	109	96	125	29
Essential hypertension	12	1	1	6	3	4	2
Cerebrovascular diseases	88	12	1	27	12	21	14
Influenza and pneumonia	34	7	0	6	5	12	1
Chronic lower respiratory disease	132	23	2	38	29	34	3
Pneumonitis due to solids and liquids	22	31	1	3	9	7	0
Chronic liver disease and cirrhosis	27	3	0	6	7	4	2
Nephritis and nephrosis	41	14	2	9	5	15	3
Conditions orig. in perinatal period	1	2	0	2	2	1	1
Congenital anomalies	5	2	1	1	1	2	0
Symptoms and ill-defined conditions	16	5	0	6	0	4	1
All other diseases	303	62	3	75	67	77	12
Unintentional injuries	217	18	5	37	32	14	8
...Motor vehicle crashes	41	7	3	9	10	4	0
...Falls	50	4	0	8	8	4	5
...Accidental poisoning	96	4	1	9	3	3	0
...Other unintentional injuries	30	3	1	11	11	3	3
Suicide	55	8	0	7	9	7	2
Homicide	11	0	0	0	3	1	0
All other external causes	10	1	0	2	0	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Lincoln	Linn	Livingston	Macon	Madison	Maries	Marion
All causes	522	151	186	212	148	113	347
Enterocolitis due to Clostridium difficile	1	0	0	1	1	0	0
Septicemia	11	2	3	2	3	1	5
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	101	29	43	51	36	20	70
...Colon, rectum, and anus	7	1	2	6	3	3	8
...Pancreas	5	3	2	5	2	0	4
...Trachea, bronchus, and lung	28	12	16	22	14	4	18
...Breast	5	1	2	4	1	2	4
...Cervix uteri, corpus uteri, and ovary	8	0	0	1	2	2	1
...Prostate	2	0	1	1	2	1	5
...Urinary tract	5	1	1	0	3	2	2
...Non-Hodgkin's lymphoma	4	2	1	0	1	0	4
...Leukemia	5	1	1	2	1	1	3
...Other malignant neoplasms	32	8	17	10	7	5	21
Diabetes mellitus	15	3	3	4	5	4	6
Alzheimer's disease	34	3	14	9	7	2	19
Parkinson's disease	7	0	0	2	1	2	3
Diseases of heart	120	41	43	46	28	36	90
Essential hypertension	5	0	2	2	3	0	6
Cerebrovascular diseases	16	6	8	12	7	4	24
Influenza and pneumonia	9	7	3	8	4	3	3
Chronic lower respiratory disease	35	16	12	16	17	9	14
Pneumonitis due to solids and liquids	7	1	3	2	1	2	3
Chronic liver disease and cirrhosis	6	1	1	1	0	2	2
Nephritis and nephrosis	9	2	4	7	6	3	11
Conditions orig. in perinatal period	2	0	0	1	0	0	3
Congenital anomalies	3	0	0	2	1	0	2
Symptoms and ill-defined conditions	2	1	0	4	1	0	7
All other diseases	64	29	32	34	19	19	48
Unintentional injuries	57	9	12	5	6	5	22
...Motor vehicle crashes	15	2	1	1	3	3	7
...Falls	13	3	5	1	1	1	2
...Accidental poisoning	21	1	4	0	1	0	9
...Other unintentional injuries	8	3	2	3	1	1	4
Suicide	13	0	3	3	1	0	7
Homicide	4	1	0	0	1	1	0
All other external causes	1	0	0	0	0	0	2



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	McDonald	Mercer	Miller	Mississippi	Moniteau	Monroe	Montgomery
All causes	250	36	297	175	149	114	193
Enterocolitis due to Clostridium difficile	0	0	0	0	0	0	0
Septicemia	4	3	4	2	2	1	4
HIV / AIDS	0	0	1	0	0	0	0
Malignant neoplasms	56	6	52	33	33	28	39
...Colon, rectum, and anus	6	1	0	3	1	2	4
...Pancreas	1	0	4	1	4	2	6
...Trachea, bronchus, and lung	16	3	19	14	16	7	13
...Breast	2	0	1	0	1	2	2
...Cervix uteri, corpus uteri, and ovary	4	0	2	1	1	2	0
...Prostate	1	0	2	2	1	1	0
...Urinary tract	6	0	5	1	0	2	1
...Non-Hodgkin's lymphoma	2	0	1	1	0	0	1
...Leukemia	1	1	1	2	0	1	2
...Other malignant neoplasms	17	1	17	8	9	9	10
Diabetes mellitus	4	2	12	3	18	7	3
Alzheimer's disease	6	1	11	11	1	7	9
Parkinson's disease	3	0	2	2	0	0	2
Diseases of heart	51	8	59	51	33	30	62
Essential hypertension	0	1	13	1	8	1	1
Cerebrovascular diseases	10	2	16	10	4	3	7
Influenza and pneumonia	7	2	6	5	3	4	6
Chronic lower respiratory disease	28	2	24	15	13	9	11
Pneumonitis due to solids and liquids	1	0	0	1	3	0	3
Chronic liver disease and cirrhosis	2	0	2	1	1	0	0
Nephritis and nephrosis	3	1	6	3	4	5	7
Conditions orig. in perinatal period	0	0	1	0	2	0	0
Congenital anomalies	0	0	3	0	0	0	2
Symptoms and ill-defined conditions	3	0	2	2	0	0	1
All other diseases	45	6	59	20	15	14	22
Unintentional injuries	21	2	15	11	7	3	9
...Motor vehicle crashes	10	0	6	4	2	1	2
...Falls	0	2	2	2	3	0	1
...Accidental poisoning	5	0	5	1	0	2	3
...Other unintentional injuries	6	0	2	4	2	0	3
Suicide	6	0	5	2	1	2	5
Homicide	0	0	2	2	1	0	0
All other external causes	0	0	2	0	0	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Morgan	New Madrid	Newton	Nodaway	Oregon	Osage	Ozark
All causes	287	250	661	178	133	136	111
Enterocolitis due to Clostridium difficile	0	0	2	0	0	0	0
Septicemia	5	5	9	3	3	2	1
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	55	48	151	35	31	29	23
...Colon, rectum, and anus	2	3	10	2	6	1	1
...Pancreas	5	2	11	2	3	2	2
...Trachea, bronchus, and lung	19	21	35	8	6	6	9
...Breast	4	3	11	1	0	0	1
...Cervix uteri, corpus uteri, and ovary	3	2	9	1	1	0	0
...Prostate	4	3	9	2	3	1	0
...Urinary tract	4	3	8	1	1	4	1
...Non-Hodgkin's lymphoma	0	2	5	1	0	3	0
...Leukemia	0	1	3	2	1	1	1
...Other malignant neoplasms	14	8	50	15	10	11	8
Diabetes mellitus	15	5	9	7	1	5	1
Alzheimer's disease	5	22	22	8	1	0	8
Parkinson's disease	1	1	11	0	1	4	0
Diseases of heart	61	53	165	56	30	17	16
Essential hypertension	10	2	2	0	0	3	0
Cerebrovascular diseases	13	17	35	7	4	8	4
Influenza and pneumonia	4	2	15	1	3	3	7
Chronic lower respiratory disease	26	20	38	6	7	8	13
Pneumonitis due to solids and liquids	2	2	5	0	1	6	2
Chronic liver disease and cirrhosis	5	5	9	4	0	3	2
Nephritis and nephrosis	7	10	14	3	1	6	0
Conditions orig. in perinatal period	1	0	2	0	0	0	1
Congenital anomalies	2	0	1	0	0	2	0
Symptoms and ill-defined conditions	6	2	8	1	8	2	0
All other diseases	60	38	120	36	34	27	26
Unintentional injuries	6	10	27	6	6	6	5
...Motor vehicle crashes	4	2	10	0	5	3	4
...Falls	1	2	0	3	0	1	0
...Accidental poisoning	0	1	6	0	0	0	0
...Other unintentional injuries	1	5	11	3	1	2	1
Suicide	3	7	14	4	2	4	2
Homicide	0	1	2	1	0	1	0
All other external causes	0	0	0	0	0	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Pemiscot	Perry	Pettis	Phelps	Pike	Platte	Polk
All causes	222	194	445	482	195	744	382
Enterocolitis due to Clostridium difficile	1	0	0	0	0	0	0
Septicemia	2	3	3	3	2	9	6
HIV / AIDS	0	1	0	0	0	0	0
Malignant neoplasms	50	35	88	96	43	164	72
...Colon, rectum, and anus	7	8	7	4	8	18	9
...Pancreas	3	4	10	3	2	13	3
...Trachea, bronchus, and lung	18	6	30	23	7	35	25
...Breast	2	1	3	5	3	17	6
...Cervix uteri, corpus uteri, and ovary	3	1	3	8	2	5	4
...Prostate	2	3	4	4	2	9	5
...Urinary tract	0	4	4	10	3	6	4
...Non-Hodgkin's lymphoma	2	0	1	3	3	7	1
...Leukemia	0	2	3	6	2	6	2
...Other malignant neoplasms	13	6	23	30	11	48	13
Diabetes mellitus	2	5	11	49	8	16	9
Alzheimer's disease	4	19	21	23	10	33	18
Parkinson's disease	5	3	7	3	0	12	8
Diseases of heart	68	51	113	101	47	170	93
Essential hypertension	0	2	8	7	1	6	4
Cerebrovascular diseases	12	14	22	21	16	34	20
Influenza and pneumonia	3	0	10	10	0	5	6
Chronic lower respiratory disease	18	14	42	34	10	43	31
Pneumonitis due to solids and liquids	0	1	3	8	2	7	4
Chronic liver disease and cirrhosis	1	2	3	4	1	17	8
Nephritis and nephrosis	9	8	9	7	8	21	7
Conditions orig. in perinatal period	0	0	0	2	1	3	0
Congenital anomalies	0	2	2	2	0	3	2
Symptoms and ill-defined conditions	1	2	6	0	1	2	3
All other diseases	26	19	61	63	30	124	72
Unintentional injuries	11	9	26	35	12	51	14
...Motor vehicle crashes	3	1	5	5	2	10	4
...Falls	2	2	7	3	2	15	2
...Accidental poisoning	2	4	4	21	7	12	7
...Other unintentional injuries	4	2	10	6	1	14	1
Suicide	4	4	6	11	3	22	4
Homicide	4	0	2	2	0	1	0
All other external causes	1	0	2	1	0	1	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds	Ripley
All causes	344	87	105	301	247	98	194
Enterocolitis due to Clostridium difficile	1	0	1	2	1	0	0
Septicemia	6	1	0	3	3	0	3
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	66	10	26	76	63	25	38
...Colon, rectum, and anus	2	0	4	5	8	4	3
...Pancreas	4	0	1	1	2	1	3
...Trachea, bronchus, and lung	13	2	8	25	21	8	10
...Breast	8	2	0	2	2	1	3
...Cervix uteri, corpus uteri, and ovary	6	0	2	4	3	1	1
...Prostate	0	1	0	5	4	2	4
...Urinary tract	4	1	0	1	4	2	2
...Non-Hodgkin's lymphoma	1	1	0	3	2	1	1
...Leukemia	2	0	0	1	4	0	0
...Other malignant neoplasms	26	3	11	29	13	5	11
Diabetes mellitus	32	6	3	2	3	3	5
Alzheimer's disease	8	4	2	6	7	2	6
Parkinson's disease	4	1	0	4	8	0	1
Diseases of heart	81	8	21	68	58	28	52
Essential hypertension	7	1	2	4	2	0	0
Cerebrovascular diseases	17	8	8	13	8	6	8
Influenza and pneumonia	5	5	1	4	6	1	7
Chronic lower respiratory disease	20	7	8	26	16	7	13
Pneumonitis due to solids and liquids	2	0	0	5	2	0	1
Chronic liver disease and cirrhosis	3	1	1	2	1	1	2
Nephritis and nephrosis	8	2	2	9	6	2	11
Conditions orig. in perinatal period	3	0	0	1	0	0	0
Congenital anomalies	0	0	0	1	1	0	2
Symptoms and ill-defined conditions	1	0	2	4	2	0	1
All other diseases	38	27	15	48	39	18	34
Unintentional injuries	31	5	10	16	14	5	7
...Motor vehicle crashes	4	1	3	5	5	4	2
...Falls	1	0	1	3	2	0	2
...Accidental poisoning	23	1	2	4	3	1	1
...Other unintentional injuries	3	3	4	4	4	0	2
Suicide	9	0	3	6	7	0	1
Homicide	1	0	0	0	0	0	2
All other external causes	1	1	0	1	0	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Saline	Schuyler	Scotland	Scott	Shannon	Shelby	St. Charles
All causes	251	50	47	460	123	75	3,125
Enterocolitis due to Clostridium difficile	0	0	0	1	0	1	0
Septicemia	1	0	1	7	1	1	32
HIV / AIDS	0	0	0	0	0	0	1
Malignant neoplasms	61	11	8	81	30	17	659
...Colon, rectum, and anus	8	2	0	6	1	0	45
...Pancreas	3	1	1	8	4	0	51
...Trachea, bronchus, and lung	19	4	1	23	14	4	183
...Breast	2	1	0	5	2	0	43
...Cervix uteri, corpus uteri, and ovary	2	0	1	2	1	2	27
...Prostate	3	0	0	0	0	0	33
...Urinary tract	3	0	0	6	0	0	28
...Non-Hodgkin's lymphoma	2	0	0	5	2	2	22
...Leukemia	2	1	1	0	0	0	31
...Other malignant neoplasms	17	2	4	26	6	9	196
Diabetes mellitus	8	1	1	9	4	1	74
Alzheimer's disease	12	0	1	34	1	3	213
Parkinson's disease	2	1	0	4	0	1	39
Diseases of heart	70	8	11	125	36	20	723
Essential hypertension	3	0	0	0	1	1	25
Cerebrovascular diseases	13	3	4	24	5	4	139
Influenza and pneumonia	4	2	0	10	3	0	55
Chronic lower respiratory disease	9	3	2	44	8	2	146
Pneumonitis due to solids and liquids	3	0	1	2	0	2	30
Chronic liver disease and cirrhosis	4	0	0	4	1	0	48
Nephritis and nephrosis	5	2	1	6	0	4	77
Conditions orig. in perinatal period	1	0	0	0	0	0	9
Congenital anomalies	2	0	0	1	0	0	17
Symptoms and ill-defined conditions	0	0	0	1	0	0	29
All other diseases	43	15	13	73	21	15	507
Unintentional injuries	6	2	3	22	10	3	225
...Motor vehicle crashes	2	1	1	9	7	1	29
...Falls	2	1	0	4	1	0	76
...Accidental poisoning	0	0	1	5	1	0	91
...Other unintentional injuries	2	0	1	4	1	2	29
Suicide	1	0	0	8	2	0	54
Homicide	0	1	0	4	0	0	11
All other external causes	3	1	1	0	0	0	12

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	St. Clair	St. Francois	St. Louis City	St. Louis County	Ste. Genevieve	Stoddard	Stone
All causes	142	782	3,022	10,313	183	385	424
Enterocolitis due to Clostridium difficile	1	0	1	15	1	0	0
Septicemia	1	7	41	155	3	7	5
HIV / AIDS	0	1	14	10	0	0	1
Malignant neoplasms	37	177	597	2,061	42	81	91
...Colon, rectum, and anus	4	14	47	146	10	9	4
...Pancreas	1	12	56	165	8	4	10
...Trachea, bronchus, and lung	12	65	162	502	6	23	27
...Breast	1	9	38	132	2	4	1
...Cervix uteri, corpus uteri, and ovary	1	7	39	103	1	1	3
...Prostate	0	6	27	107	2	5	7
...Urinary tract	4	7	26	118	0	4	4
...Non-Hodgkin's lymphoma	2	6	13	78	2	3	2
...Leukemia	1	4	17	85	1	3	3
...Other malignant neoplasms	11	47	172	625	10	25	30
Diabetes mellitus	6	24	79	231	3	2	3
Alzheimer's disease	4	41	95	625	9	22	13
Parkinson's disease	2	10	16	152	4	3	5
Diseases of heart	40	190	730	2,494	50	110	126
Essential hypertension	0	9	17	80	0	1	2
Cerebrovascular diseases	9	32	156	613	13	17	18
Influenza and pneumonia	2	14	40	153	0	13	7
Chronic lower respiratory disease	5	76	102	399	14	36	19
Pneumonitis due to solids and liquids	2	3	17	109	5	4	7
Chronic liver disease and cirrhosis	2	1	48	80	0	6	3
Nephritis and nephrosis	3	22	68	236	3	15	10
Conditions orig. in perinatal period	1	2	17	37	1	0	0
Congenital anomalies	0	1	8	19	0	0	0
Symptoms and ill-defined conditions	0	10	38	63	4	5	4
All other diseases	16	94	424	1,783	17	44	69
Unintentional injuries	9	51	328	670	11	13	32
...Motor vehicle crashes	7	17	48	117	3	6	19
...Falls	1	4	18	145	2	2	5
...Accidental poisoning	0	25	239	313	6	2	6
...Other unintentional injuries	1	5	23	95	0	3	2
Suicide	2	10	47	142	2	5	7
Homicide	0	5	129	163	0	1	1
All other external causes	0	2	10	23	1	0	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Sullivan	Taney	Texas	Vernon	Warren	Washington	Wayne
All causes	68	597	330	243	296	305	158
Enterocolitis due to Clostridium difficile	0	1	1	0	0	0	0
Septicemia	1	13	5	4	4	1	1
HIV / AIDS	0	1	0	0	0	0	0
Malignant neoplasms	15	124	70	50	60	64	32
...Colon, rectum, and anus	2	9	11	9	2	4	3
...Pancreas	2	17	1	3	7	2	1
...Trachea, bronchus, and lung	6	28	18	14	17	22	14
...Breast	2	10	4	5	4	1	0
...Cervix uteri, corpus uteri, and ovary	0	5	5	0	0	4	0
...Prostate	0	6	3	3	2	4	1
...Urinary tract	0	3	2	3	5	2	1
...Non-Hodgkin's lymphoma	1	3	1	3	1	2	2
...Leukemia	1	5	4	0	2	1	2
...Other malignant neoplasms	1	38	21	10	20	22	8
Diabetes mellitus	1	7	13	5	6	17	7
Alzheimer's disease	2	21	7	6	21	8	10
Parkinson's disease	0	5	2	2	10	4	5
Diseases of heart	15	238	92	71	61	82	29
Essential hypertension	0	1	5	0	0	2	0
Cerebrovascular diseases	2	23	18	15	16	13	6
Influenza and pneumonia	0	7	4	3	1	8	3
Chronic lower respiratory disease	3	25	20	17	20	20	19
Pneumonitis due to solids and liquids	3	5	3	0	1	3	0
Chronic liver disease and cirrhosis	2	9	5	1	5	2	3
Nephritis and nephrosis	2	11	11	5	4	6	7
Conditions orig. in perinatal period	0	4	1	0	3	1	0
Congenital anomalies	0	0	1	0	0	0	1
Symptoms and ill-defined conditions	2	3	2	3	2	6	0
All other diseases	8	65	47	43	44	37	22
Unintentional injuries	6	26	18	13	30	21	8
...Motor vehicle crashes	2	6	4	3	10	9	5
...Falls	2	1	6	3	4	2	2
...Accidental poisoning	1	10	5	6	9	7	0
...Other unintentional injuries	1	9	3	1	7	3	1
Suicide	5	8	4	5	5	5	4
Homicide	0	0	1	0	2	1	1
All other external causes	1	0	0	0	1	4	0



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2019**

	Webster	Worth	Wright	Unknown
All causes	366	28	246	0
Enterocolitis due to Clostridium difficile	0	0	1	0
Septicemia	2	1	3	0
HIV / AIDS	0	0	0	0
Malignant neoplasms	79	6	37	0
...Colon, rectum, and anus	7	0	5	0
...Pancreas	7	0	2	0
...Trachea, bronchus, and lung	19	2	10	0
...Breast	6	0	1	0
...Cervix uteri, corpus uteri, and ovary	4	1	1	0
...Prostate	2	2	2	0
...Urinary tract	5	0	3	0
...Non-Hodgkin's lymphoma	3	0	0	0
...Leukemia	4	0	3	0
...Other malignant neoplasms	22	1	10	0
Diabetes mellitus	10	1	7	0
Alzheimer's disease	13	0	11	0
Parkinson's disease	7	0	1	0
Diseases of heart	94	6	75	0
Essential hypertension	1	1	3	0
Cerebrovascular diseases	12	2	18	0
Influenza and pneumonia	10	0	1	0
Chronic lower respiratory disease	20	1	24	0
Pneumonitis due to solids and liquids	2	0	0	0
Chronic liver disease and cirrhosis	4	1	4	0
Nephritis and nephrosis	9	1	7	0
Conditions orig. in perinatal period	1	0	1	0
Congenital anomalies	1	0	1	0
Symptoms and ill-defined conditions	3	0	2	0
All other diseases	57	7	33	0
Unintentional injuries	32	1	12	0
...Motor vehicle crashes	8	1	2	0
...Falls	5	0	0	0
...Accidental poisoning	13	0	4	0
...Other unintentional injuries	6	0	6	0
Suicide	8	0	4	0
Homicide	1	0	0	0
All other external causes	0	0	1	0

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2019**

	Ballwin	Blue Springs	Cape Girardeau	Chesterfield	Columbia	Florissant	Gladstone
All causes	245	414	485	565	778	569	282
Enterocolitis due to Clostridium difficile	1	0	0	5	0	0	0
Septicemia	1	5	8	3	5	12	0
HIV / AIDS	0	0	0	1	0	0	0
Malignant neoplasms	63	98	74	119	148	115	64
...Colon, rectum, and anus	2	7	11	7	17	4	6
...Pancreas	2	5	3	10	15	8	7
...Trachea, bronchus, and lung	18	23	17	32	26	28	18
...Breast	5	12	4	10	12	9	0
...Cervix uteri, corpus uteri, and ovary	2	6	7	6	7	6	5
...Prostate	3	2	3	10	12	2	5
...Urinary tract	4	5	4	7	3	9	1
...Non-Hodgkin's lymphoma	2	3	4	4	3	3	5
...Leukemia	4	6	4	5	5	5	1
...Other malignant neoplasms	21	29	17	28	48	41	16
Diabetes mellitus	2	7	1	6	16	15	6
Alzheimer's disease	14	17	40	45	39	22	10
Parkinson's disease	2	2	9	13	10	4	5
Diseases of heart	55	82	137	117	152	153	63
Essential hypertension	2	1	1	5	7	7	1
Cerebrovascular diseases	17	19	32	33	47	33	19
Influenza and pneumonia	8	7	13	6	9	6	4
Chronic lower respiratory disease	10	31	35	13	46	31	16
Pneumonitis due to solids and liquids	1	6	2	8	10	2	2
Chronic liver disease and cirrhosis	4	3	5	5	6	5	4
Nephritis and nephrosis	2	7	12	10	15	14	9
Conditions orig. in perinatal period	0	1	2	1	4	2	2
Congenital anomalies	0	4	1	1	2	0	1
Symptoms and ill-defined conditions	1	2	9	2	8	4	1
All other diseases	43	89	66	134	166	83	47
Unintentional injuries	17	20	23	24	56	39	18
...Motor vehicle crashes	3	6	4	4	17	8	4
...Falls	7	6	6	18	5	5	7
...Accidental poisoning	1	6	7	2	18	19	4
...Other unintentional injuries	6	2	6	0	16	7	3
Suicide	1	9	8	13	17	10	7
Homicide	1	2	3	1	13	10	2
All other external causes	0	2	4	0	2	2	1

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2019**

	Hazelwood	Independence	Jefferson City	Joplin	Joplin - Jasper County	Joplin - Newton County	Kansas City
All causes	211	1,516	457	590	505	85	3,961
Enterocolitis due to Clostridium difficile	0	2	1	3	3	0	3
Septicemia	3	18	10	10	10	0	74
HIV / AIDS	0	2	0	0	0	0	12
Malignant neoplasms	39	298	85	109	89	20	831
...Colon, rectum, and anus	3	22	6	5	4	1	80
...Pancreas	3	21	4	7	4	3	75
...Trachea, bronchus, and lung	7	75	21	30	26	4	192
...Breast	4	26	4	8	6	2	59
...Cervix uteri, corpus uteri, and ovary	0	16	6	5	2	3	37
...Prostate	1	13	5	9	6	3	38
...Urinary tract	4	12	2	6	5	1	42
...Non-Hodgkin's lymphoma	1	9	3	4	3	1	30
...Leukemia	1	9	6	2	2	0	22
...Other malignant neoplasms	15	95	28	33	31	2	256
Diabetes mellitus	5	28	22	14	11	3	104
Alzheimer's disease	6	30	12	29	24	5	92
Parkinson's disease	2	20	5	10	9	1	44
Diseases of heart	57	316	95	169	144	25	867
Essential hypertension	1	11	11	2	2	0	27
Cerebrovascular diseases	11	82	19	36	31	5	178
Influenza and pneumonia	3	32	13	10	10	0	56
Chronic lower respiratory disease	9	107	38	38	35	3	193
Pneumonitis due to solids and liquids	0	14	6	1	0	1	27
Chronic liver disease and cirrhosis	0	17	4	13	13	0	58
Nephritis and nephrosis	3	40	16	12	10	2	106
Conditions orig. in perinatal period	2	4	0	2	2	0	17
Congenital anomalies	0	6	1	2	2	0	20
Symptoms and ill-defined conditions	0	13	6	5	4	1	33
All other diseases	36	347	84	88	74	14	717
Unintentional injuries	23	76	18	25	21	4	258
...Motor vehicle crashes	7	19	6	4	3	1	72
...Falls	1	18	3	3	3	0	46
...Accidental poisoning	13	21	7	6	6	0	96
...Other unintentional injuries	2	18	2	12	9	3	44
Suicide	5	37	7	9	8	1	92
Homicide	6	9	4	2	2	0	138
All other external causes	0	7	0	1	1	0	14

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2019**

	Kansas City - Cass County	Kansas City - Clay County	Kansas City - Jackson County	Kansas City - Platte County	Kirkwood	Lee's Summit	Liberty
All causes	0	838	2,751	372	301	639	241
Enterocolitis due to Clostridium difficile	0	0	3	0	1	2	0
Septicemia	0	17	51	6	9	10	5
HIV / AIDS	0	0	12	0	0	0	0
Malignant neoplasms	0	200	561	70	57	149	47
...Colon, rectum, and anus	0	22	49	9	2	11	5
...Pancreas	0	19	49	7	6	12	7
...Trachea, bronchus, and lung	0	51	126	15	6	34	9
...Breast	0	19	33	7	4	11	2
...Cervix uteri, corpus uteri, and ovary	0	9	26	2	3	8	2
...Prostate	0	7	30	1	4	10	1
...Urinary tract	0	8	32	2	3	10	2
...Non-Hodgkin's lymphoma	0	7	21	2	6	2	1
...Leukemia	0	2	17	3	3	7	2
...Other malignant neoplasms	0	56	178	22	20	44	16
Diabetes mellitus	0	18	80	6	4	9	4
Alzheimer's disease	0	21	59	12	31	21	10
Parkinson's disease	0	11	26	7	6	15	5
Diseases of heart	0	171	608	88	71	126	52
Essential hypertension	0	2	22	3	3	1	1
Cerebrovascular diseases	0	37	121	20	17	44	14
Influenza and pneumonia	0	15	38	3	4	10	5
Chronic lower respiratory disease	0	52	116	25	13	34	12
Pneumonitis due to solids and liquids	0	14	11	2	1	10	7
Chronic liver disease and cirrhosis	0	10	39	9	3	7	1
Nephritis and nephrosis	0	20	75	11	6	20	8
Conditions orig. in perinatal period	0	5	11	1	2	0	2
Congenital anomalies	0	4	14	2	1	1	0
Symptoms and ill-defined conditions	0	5	26	2	2	4	0
All other diseases	0	143	503	71	44	123	46
Unintentional injuries	0	52	182	24	19	36	15
...Motor vehicle crashes	0	16	53	3	1	5	2
...Falls	0	10	25	11	9	14	5
...Accidental poisoning	0	21	70	5	7	11	4
...Other unintentional injuries	0	5	34	5	2	6	4
Suicide	0	29	54	9	6	15	5
Homicide	0	8	129	1	1	1	2
All other external causes	0	4	10	0	0	1	0

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2019**

	Maryland Heights	O'Fallon	Raytown	Springfield	St. Charles	St. Joseph	St. Louis City
All causes	240	560	334	1,907	658	781	3,022
Enterocolitis due to Clostridium difficile	0	0	0	4	0	2	1
Septicemia	6	5	7	33	6	11	41
HIV / AIDS	0	1	1	3	0	1	14
Malignant neoplasms	24	114	60	324	122	165	597
...Colon, rectum, and anus	1	8	4	24	8	13	47
...Pancreas	3	7	5	21	14	9	56
...Trachea, bronchus, and lung	8	34	20	83	31	37	162
...Breast	3	4	1	32	10	15	38
...Cervix uteri, corpus uteri, and ovary	2	4	4	14	4	10	39
...Prostate	1	6	3	20	4	8	27
...Urinary tract	0	7	1	20	6	12	26
...Non-Hodgkin's lymphoma	1	4	2	14	5	6	13
...Leukemia	0	6	1	10	6	6	17
...Other malignant neoplasms	5	34	19	86	34	49	172
Diabetes mellitus	7	17	8	49	21	43	79
Alzheimer's disease	16	31	8	121	31	38	95
Parkinson's disease	1	8	3	18	11	3	16
Diseases of heart	58	115	64	491	175	201	730
Essential hypertension	2	7	5	8	5	2	17
Cerebrovascular diseases	10	26	22	71	34	31	156
Influenza and pneumonia	9	8	4	24	13	12	40
Chronic lower respiratory disease	4	22	20	124	43	82	102
Pneumonitis due to solids and liquids	4	6	3	10	11	7	17
Chronic liver disease and cirrhosis	2	8	4	39	2	9	48
Nephritis and nephrosis	3	10	10	47	21	8	68
Conditions orig. in perinatal period	2	2	0	6	1	2	17
Congenital anomalies	0	3	1	3	1	6	8
Symptoms and ill-defined conditions	1	3	1	13	2	6	38
All other diseases	68	115	78	324	102	115	424
Unintentional injuries	13	44	23	127	41	25	328
...Motor vehicle crashes	0	4	8	12	6	3	48
...Falls	4	15	2	34	9	4	18
...Accidental poisoning	8	22	9	60	18	14	239
...Other unintentional injuries	1	3	4	21	8	4	23
Suicide	6	9	5	51	11	6	47
Homicide	3	4	7	10	1	4	129
All other external causes	1	2	0	7	4	2	10

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2019**

	St. Peters	University City	Wentzville	Wildwood
All causes	477	351	239	164
Enterocolitis due to Clostridium difficile	0	0	0	0
Septicemia	2	9	5	1
HIV / AIDS	0	1	0	0
Malignant neoplasms	85	64	53	40
...Colon, rectum, and anus	7	4	5	2
...Pancreas	3	3	1	6
...Trachea, bronchus, and lung	21	17	19	7
...Breast	8	2	2	0
...Cervix uteri, corpus uteri, and ovary	5	2	1	0
...Prostate	4	4	3	1
...Urinary tract	4	5	2	5
...Non-Hodgkin's lymphoma	5	3	0	3
...Leukemia	2	5	4	2
...Other malignant neoplasms	26	19	16	14
Diabetes mellitus	10	9	6	7
Alzheimer's disease	47	33	15	7
Parkinson's disease	3	3	5	3
Diseases of heart	103	87	45	34
Essential hypertension	3	3	1	1
Cerebrovascular diseases	25	27	8	6
Influenza and pneumonia	6	3	4	1
Chronic lower respiratory disease	26	10	15	3
Pneumonitis due to solids and liquids	3	6	1	1
Chronic liver disease and cirrhosis	12	3	3	1
Nephritis and nephrosis	11	14	9	3
Conditions orig. in perinatal period	2	0	1	0
Congenital anomalies	6	1	1	0
Symptoms and ill-defined conditions	9	5	6	1
All other diseases	80	47	36	36
Unintentional injuries	39	17	19	13
...Motor vehicle crashes	4	2	3	4
...Falls	17	3	3	2
...Accidental poisoning	16	7	10	4
...Other unintentional injuries	2	5	3	3
Suicide	4	2	5	5
Homicide	0	7	1	0
All other external causes	1	0	0	1

**Table 27. Recorded Deaths by Type of Accident by Age by Sex: Missouri, 2019**

		<u>All Ages</u>		<u>0-4 Years</u>		<u>05-14 Years</u>		<u>15-24 Years</u>		<u>25-44 Years</u>		<u>45-64 Years</u>		<u>65-74 Years</u>		<u>Over 74</u>	
	<u>Total</u>	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
<b>Recorded Total</b>	4,110	2,661	1,449	60	40	36	20	223	85	859	337	763	296	233	144	487	527
<b>Work Total</b>	65	62	3	0	0	0	0	1	0	21	0	26	1	9	2	5	0
Heavy transport vehicle	10	10	0	0	0	0	0	0	0	1	0	7	0	2	0	0	0
Other motor vehicle	20	18	2	0	0	0	0	1	0	3	0	8	0	4	2	2	0
Other transport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Falls	12	11	1	0	0	0	0	0	0	2	0	8	1	1	0	0	0
Farm machinery	3	3	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
Other machinery	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Struck by/against object	7	7	0	0	0	0	0	0	0	6	0	1	0	0	0	0	0
Electric current	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Other/unspecified accident	10	10	0	0	0	0	0	0	0	7	0	2	0	1	0	0	0
<b>Home Total</b>	1,892	1,169	723	43	26	10	3	75	37	428	191	330	175	104	65	179	226
Falls	506	248	258	0	0	0	0	2	1	5	2	39	22	55	42	147	191
Machinery	7	6	1	0	0	0	0	0	0	1	0	3	1	1	0	1	0
Firearms	20	18	2	3	0	1	0	6	1	2	1	6	0	0	0	0	0
Struck by/against object	6	6	0	0	0	0	0	0	0	0	0	2	0	1	0	3	0
Drowning	20	12	8	2	2	1	1	1	2	1	0	4	2	1	1	2	0
Choke/suffocate	86	54	32	35	18	3	0	0	0	7	2	5	6	1	0	3	6
Excess natural heat/cold	16	8	8	0	0	0	0	0	0	0	0	6	0	2	2	0	6
Fire/flame/smoke	81	49	32	2	2	3	2	1	1	9	1	13	9	10	3	11	14
Poisoning (drug/alcohol)	1,076	715	361	1	0	1	0	59	32	384	181	241	132	27	14	2	2
Poisoning (gas/other)	16	11	5	0	0	0	0	1	0	6	2	4	0	0	2	0	1
Other/unspecified accident	58	42	16	0	4	1	0	5	0	13	2	7	3	6	1	10	6
<b>Public Transport Total</b>	975	700	275	9	8	19	17	112	41	214	84	225	64	65	29	56	32
Car or truck	656	446	210	4	7	13	11	87	35	126	61	126	44	43	23	47	29
Pedestrian	122	79	43	3	1	3	3	7	3	31	19	29	10	5	4	1	3
Pedal cyclist	12	11	1	0	0	0	0	0	0	3	1	7	0	0	0	1	0
Motorcyclist	132	120	12	0	0	0	0	15	1	43	2	46	7	14	2	2	0
Railroad (not motor vehicle)	9	8	1	0	0	0	0	1	1	3	0	3	0	0	0	1	0
Non-road vehicle (including ATV)	18	13	5	1	0	1	3	0	1	1	0	5	1	2	0	3	0
Water transport	13	11	2	0	0	0	0	2	0	4	1	5	1	0	0	0	0
Air transport	3	3	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0
Other/unspecified transport	10	9	1	1	0	2	0	0	0	3	0	3	1	0	0	0	0
<b>Public Non-Transport Total</b>	1,153	710	443	8	6	7	0	34	7	190	61	177	54	51	48	243	267
Falls	340	160	180	0	0	0	0	0	1	6	1	11	6	15	21	128	151
Machinery	13	12	1	0	0	0	0	0	0	1	0	5	1	0	0	6	0
Firearms	2	2	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
Struck by/against object	12	10	2	0	0	0	0	2	0	1	0	2	1	3	0	2	1
Drowning	59	49	10	3	3	6	0	9	1	14	3	11	2	0	0	6	1
Choke/suffocate	117	61	56	4	2	0	0	1	0	2	3	10	8	12	12	32	31
Excess natural heat/cold	22	15	7	0	0	0	0	2	0	3	2	8	1	0	2	2	2
Fire/flame/smoke	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	2	3
Poisoning (drug/alcohol)	393	307	86	0	0	0	0	16	4	159	48	113	27	11	3	8	4
Poisoning (gas/other)	7	5	2	0	0	0	0	1	0	1	2	3	0	0	0	0	0
Other/unspecified accident	183	87	96	1	1	1	0	2	1	2	2	14	8	10	10	57	74
<b>Late Effects of Accidents</b>	25	20	5	0	0	0	0	1	0	6	1	5	2	4	0	4	2



**Table 28. Resident Deaths by Selected Variables by Determination of Tobacco Use Contributing to Cause of Death: Missouri, 2019**

	Total	Tobacco Use Contributed to Death				Percentage			
		Yes	Probably	No	Unknown	Yes	Probably	No	Unknown
<b><u>State Total</u></b>	62,155	6,369	3,615	28,817	23,354	10.2	5.8	46.4	37.6
<b><u>Gender</u></b>									
Male	32,219	3,675	2,205	13,934	12,405	11.4	6.8	43.2	38.5
Female	29,936	2,694	1,410	14,883	10,949	9.0	4.7	49.7	36.6
<b><u>Decedent's Race</u></b>									
White Non-Hispanic	53,913	5,802	3,210	24,632	20,269	10.8	6.0	45.7	37.6
Black Non-Hispanic	6,811	471	353	3,387	2,600	6.9	5.2	49.7	38.2
Other Non-Hispanic*	767	64	28	417	258	8.3	3.7	54.4	33.6
Hispanic, Any Race	598	30	21	355	192	5.0	3.5	59.4	32.1
<b><u>Decedent's Age</u></b>									
Under 35	2,739	18	16	2,220	485	0.7	0.6	81.1	17.7
35-44	1,887	95	55	1,183	554	5.0	2.9	62.7	29.4
45-54	3,441	326	198	1,624	1,293	9.5	5.8	47.2	37.6
55-64	8,584	1,355	690	3,059	3,480	15.8	8.0	35.6	40.5
65-74	12,379	1,967	993	4,438	4,981	15.9	8.0	35.9	40.2
75-84	15,142	1,747	1,022	6,429	5,944	11.5	6.7	42.5	39.3
85+	17,983	861	641	9,864	6,617	4.8	3.6	54.9	36.8
<b><u>Underlying Cause of Death</u></b>									
Heart disease	14,959	1,341	827	6,177	6,614	9.0	5.5	41.3	44.2
Cancer	12,836	2,020	1,080	5,041	4,695	15.7	8.4	39.3	36.6
...Lung cancer	3,463	1,374	585	282	1,222	39.7	16.9	8.1	35.3
...Other cancer	9,373	646	495	4,759	3,473	6.9	5.3	50.8	37.1
Chronic lower respiratory disease	3,775	1,625	563	407	1,180	43.0	14.9	10.8	31.3
Stroke	3,019	166	130	1,335	1,388	5.5	4.3	44.2	46.0
Unintentional injuries	3,930	83	63	2,775	1,009	2.1	1.6	70.6	25.7
Alzheimer's disease	2,781	32	42	1,817	890	1.2	1.5	65.3	32.0
Diabetes mellitus	1,652	171	128	767	586	10.4	7.7	46.4	35.5
Influenza and pneumonia	1,030	57	56	488	429	5.5	5.4	47.4	41.7
Nephritis and nephrosis	1,480	65	54	654	707	4.4	3.6	44.2	47.8
Other	16,693	809	672	9,356	5,856	4.8	4.0	56.0	35.1

\* Includes deaths of persons of multiple races, but not persons of unknown race.

**Table 29. Resident Deaths by Selected Characteristics by Sex: Missouri, 2019**

	Total	Female	Male
<b><u>State Total</u></b>	62,155	29,936	32,219
<b><u>Certifier</u></b>			
Certifying Physician	49,145	25,593	23,552
Medical Examiner/Coroner	13,009	4,343	8,666
Other	1	0	1
<b><u>Death Place</u></b>			
Inpatient	16,426	7,743	8,683
Emergency Room/Outpatient	3,650	1,426	2,224
Dead on Arrival	50	19	31
Decedent's Home	20,638	8,912	11,726
Hospice Facility	2,443	1,282	1,161
Nursing Home	16,043	9,585	6,458
Other	2,905	969	1,936
<b><u>Month of Death</u></b>			
January	5,549	2,679	2,870
February	5,099	2,557	2,542
March	5,601	2,704	2,897
April	5,004	2,442	2,562
May	5,238	2,466	2,772
June	4,984	2,349	2,635
July	5,156	2,429	2,727
August	4,976	2,355	2,621
September	4,921	2,337	2,584
October	4,949	2,416	2,533
November	5,277	2,572	2,705
December	5,401	2,630	2,771

	Total	Female	Male
<b><u>Disposition</u></b>			
Burial	27,690	14,521	13,169
Cremation	31,686	13,957	17,729
Donation	1,363	714	649
Entombment	379	218	161
Removal from State	1,002	511	491
Other	35	15	20
<b><u>Marital Status</u></b>			
Married	22,719	7,468	15,251
Divorced	10,952	5,047	5,905
Widowed	20,044	14,399	5,645
Never Married	7,945	2,883	5,062
Unknown	495	139	356
<b><u>Education of Deceased</u></b>			
8th Grade or Less	5,692	2,857	2,835
9th to 11th Grade	6,865	3,342	3,523
High School Graduates	28,234	14,146	14,088
Some College	11,559	5,556	6,003
Bachelor's Degree	5,447	2,359	3,088
Post-Graduate Degree	3,275	1,242	2,033
Unknown	1,083	434	649
<b><u>Autopsy</u></b>			
Yes	3,522	1,115	2,407
Yes, but not used	223	99	124

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2019

Total Population

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_NQ_x$	$L_x$	${}_ND_x$	${}_NL_x$	$T_x$	$E_x$
0 to 1	0.0060	100,000	599	99,461	7,742,394	77.4
1 to 5	0.0011	99,401	110	397,383	7,642,934	76.9
5 to 10	0.0007	99,291	67	496,287	7,245,550	73.0
10 to 15	0.0009	99,224	91	495,891	6,749,264	68.0
15 to 19	0.0034	99,133	334	494,828	6,253,372	63.1
20 to 25	0.0062	98,799	613	492,460	5,758,544	58.3
25 to 30	0.0072	98,185	707	489,160	5,266,084	53.6
30 to 35	0.0089	97,478	872	485,211	4,776,924	49.0
35 to 40	0.0113	96,606	1,090	480,305	4,291,714	44.4
40 to 45	0.0137	95,516	1,311	474,302	3,811,409	39.9
45 to 50	0.0181	94,205	1,704	466,764	3,337,106	35.4
50 to 55	0.0282	92,501	2,609	455,982	2,870,342	31.0
55 to 60	0.0423	89,892	3,806	439,945	2,414,360	26.9
60 to 65	0.0588	86,086	5,058	417,784	1,974,415	22.9
65 to 70	0.0798	81,028	6,463	388,982	1,556,631	19.2
70 to 75	0.1172	74,565	8,740	350,975	1,167,649	15.7
75 to 80	0.1725	65,825	11,357	300,733	816,674	12.4
80 to 85	0.2702	54,468	14,719	235,544	515,942	9.5
85+	1.0000	39,749	39,749	280,398	280,398	7.1

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2019

Male Population

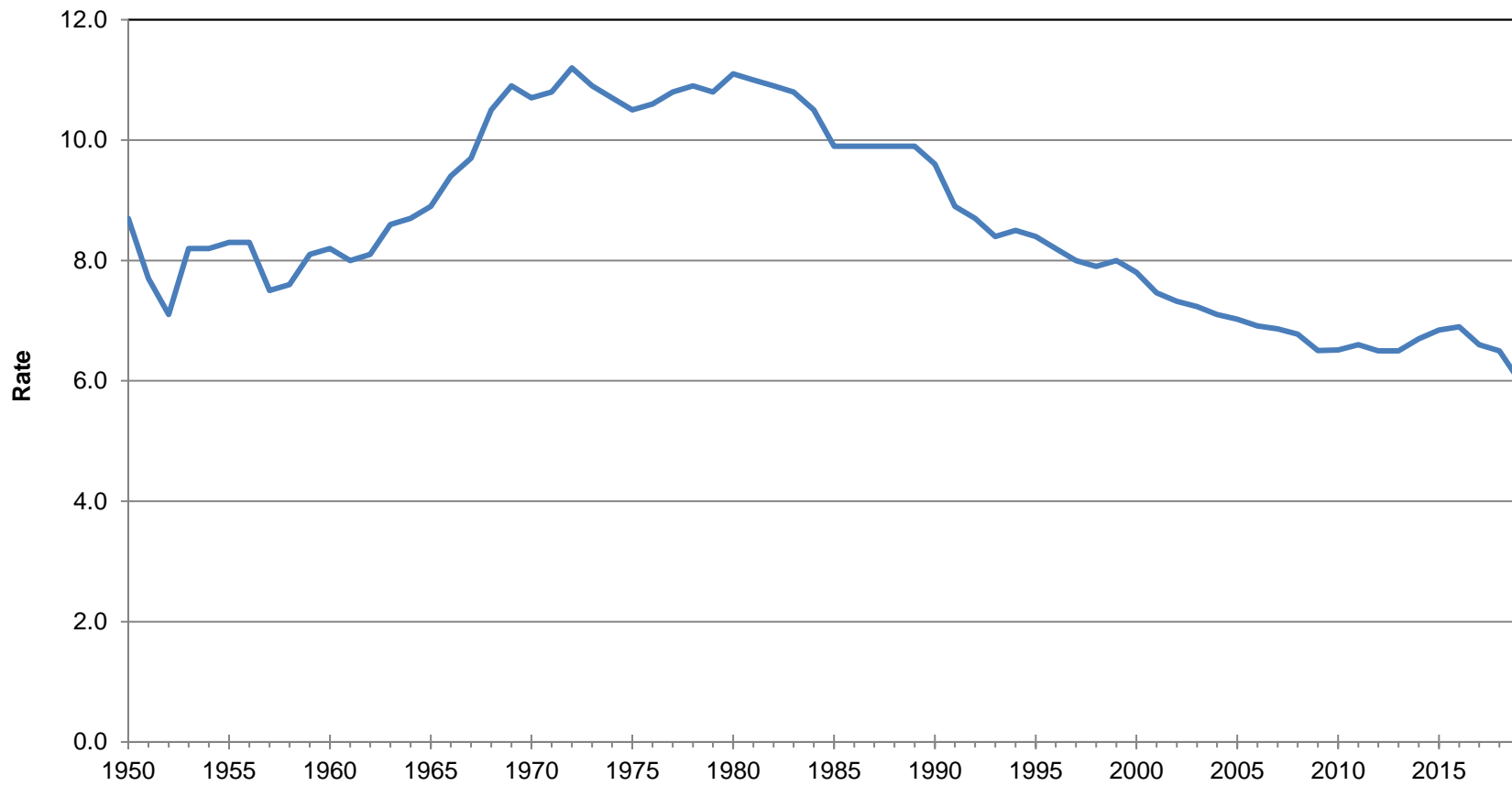
Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_NQ_x$	$L_x$	${}_ND_x$	${}_NL_x$	$T_x$	$E_x$
0 to 1	0.0067	100,000	672	99,395	7,457,612	74.6
1 to 5	0.0011	99,328	113	397,086	7,358,217	74.1
5 to 10	0.0007	99,215	72	495,897	6,961,131	70.2
10 to 15	0.0012	99,144	117	495,426	6,465,234	65.2
15 to 19	0.0049	99,027	485	493,923	5,969,808	60.3
20 to 25	0.0089	98,542	872	490,531	5,475,885	55.6
25 to 30	0.0102	97,670	999	485,853	4,985,354	51.0
30 to 35	0.0121	96,671	1,170	480,431	4,499,501	46.5
35 to 40	0.0149	95,501	1,420	473,956	4,019,070	42.1
40 to 45	0.0181	94,081	1,700	466,157	3,545,114	37.7
45 to 50	0.0229	92,381	2,116	456,616	3,078,957	33.3
50 to 55	0.0354	90,265	3,192	443,346	2,622,341	29.1
55 to 60	0.0537	87,073	4,672	423,686	2,178,995	25.0
60 to 65	0.0733	82,401	6,041	396,902	1,755,309	21.3
65 to 70	0.0993	76,360	7,581	362,848	1,358,407	17.8
70 to 75	0.1392	68,779	9,572	319,966	995,559	14.5
75 to 80	0.2001	59,207	11,848	266,415	675,593	11.4
80 to 85	0.3116	47,359	14,755	199,907	409,179	8.6
85+	1.0000	32,604	32,604	209,272	209,272	6.4

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2019

Female Population

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_NQ_x$	$L_x$	${}_ND_x$	${}_NL_x$	$T_x$	$E_x$
0 to 1	0.0052	100,000	522	99,530	8,031,513	80.3
1 to 5	0.0011	99,478	107	397,697	7,931,983	79.7
5 to 10	0.0006	99,371	62	496,698	7,534,286	75.8
10 to 15	0.0007	99,309	65	496,382	7,037,587	70.9
15 to 19	0.0018	99,244	175	495,782	6,541,206	65.9
20 to 25	0.0034	99,069	341	494,492	6,045,423	61.0
25 to 30	0.0041	98,728	404	492,629	5,550,932	56.2
30 to 35	0.0058	98,324	568	490,199	5,058,303	51.4
35 to 40	0.0077	97,756	754	486,892	4,568,104	46.7
40 to 45	0.0094	97,001	913	482,724	4,081,212	42.1
45 to 50	0.0134	96,088	1,284	477,231	3,598,488	37.4
50 to 55	0.0212	94,804	2,013	468,989	3,121,256	32.9
55 to 60	0.0314	92,791	2,918	456,661	2,652,268	28.6
60 to 65	0.0451	89,873	4,055	439,228	2,195,607	24.4
65 to 70	0.0622	85,818	5,335	415,754	1,756,378	20.5
70 to 75	0.0979	80,484	7,879	382,720	1,340,624	16.7
75 to 80	0.1496	72,604	10,860	335,872	957,904	13.2
80 to 85	0.2388	61,745	14,746	271,857	622,032	10.1
85+	1.0000	46,998	46,998	350,174	350,174	7.5

**Graph F. Marriage Rates per 1,000 Population: Missouri, 1950-2019**



Year	Marriages	Rate	Year	Marriages	Rate	Year	Marriages	Rate
1950	34,300	8.7	1985	49,484	9.9	2013	38,984	6.5
1955	34,162	8.3	1990	49,063	9.6	2014	40,779	6.7
1960	35,368	8.2	1995	45,057	8.4	2015	41,377	6.8
1965	39,882	8.9	2000	43,665	7.8	2016	41,747	6.9
1970	50,224	10.7	2005	40,675	7.0	2017	40,316	6.6
1975	50,147	10.5	2010	38,998	6.5	2018	39,692	6.5
1980	54,625	11.1	2012	39,378	6.5	2019	36,636	6.0

**Table 31. Reported Marriages by Month of Event: Missouri, 2019**

	Total	<u>Gender</u>			
		Male-Female	Female-Female	Male-Male	Not Stated
<b>Total</b>	36,636	35,112	710	358	456
<b>January</b>	1,526	1,470	30	21	5
<b>February</b>	1,460	1,395	35	26	4
<b>March</b>	2,433	2,328	54	23	28
<b>April</b>	2,749	2,626	44	32	47
<b>May</b>	3,897	3,732	59	45	61
<b>June</b>	4,267	4,094	72	31	70
<b>July</b>	2,918	2,789	63	22	44
<b>August</b>	3,039	2,938	47	21	33
<b>September</b>	4,360	4,177	84	38	61
<b>October</b>	4,930	4,718	108	39	65
<b>November</b>	2,773	2,664	57	29	23
<b>December</b>	2,284	2,181	57	31	15



**Table 32. Reported Male-Female Marriages by Age: Missouri, 2019**

Age of Male	Total	Age of Female														
		14 And Under	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Total	35,112	0	0	11	38	467	751	1,023	1,374	1,714	1,875	1,908	2,028	2,036	2,007	1,790
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	6	0	0	2	0	2	2	0	0	0	0	0	0	0	0	0
17	15	0	0	1	1	9	4	0	0	0	0	0	0	0	0	0
18	173	0	0	5	10	68	44	23	12	5	0	2	2	1	0	0
19	423	0	0	3	15	121	128	88	28	16	8	3	4	1	2	2
20	694	0	0	0	10	97	182	191	99	46	35	10	7	4	3	1
21	964	0	0	0	0	58	118	236	269	133	67	23	19	11	12	7
22	1,226	0	0	0	0	34	93	153	239	354	159	71	39	20	19	10
23	1,432	0	0	0	1	22	52	107	195	317	337	175	78	43	31	18
24	1,694	0	0	0	0	13	31	52	160	248	373	376	180	94	64	26
25	1,765	0	0	0	0	7	15	43	115	171	236	322	390	198	90	56
26	1,862	0	0	0	0	6	24	28	72	121	179	259	339	401	185	78
27	1,787	0	0	0	1	6	12	24	46	77	116	185	231	313	330	167
28	1,780	0	0	0	0	4	13	16	25	59	84	109	182	240	304	279
29	1,757	0	0	0	0	2	10	11	24	35	73	101	136	204	233	266
30	1,520	0	0	0	0	5	5	5	27	32	36	64	87	131	191	208
31	1,432	0	0	0	0	2	5	8	12	21	33	48	78	90	144	150
32	1,213	0	0	0	0	0	4	4	6	10	31	36	56	56	96	100
33	1,122	0	0	0	0	2	0	6	7	19	24	27	51	50	51	93
34	985	0	0	0	0	2	0	6	8	6	20	19	28	48	47	73
35-39	3,811	0	0	0	0	3	8	11	20	27	37	48	82	91	129	175
40-44	2,575	0	0	0	0	2	1	8	5	7	13	18	24	23	50	43
45-49	2,018	0	0	0	0	1	0	2	2	8	8	8	6	10	15	19
50-54	1,642	0	0	0	0	0	0	1	1	2	2	2	6	4	7	14
55-59	1,248	0	0	0	0	0	0	0	0	0	3	1	1	2	2	5
60-64	881	0	0	0	0	1	0	0	1	0	0	1	1	0	1	0
65-69	470	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
70-74	316	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
75 +	300	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
Not Stated	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

**Table 32. Reported Male-Female Marriages by Age: Missouri, 2019**

<u>Age of Male</u>	<u>Age of Female</u>															
	29	30	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 +	Not Stated
<b>Total</b>	1,645	1,410	1,181	1,047	942	828	3,324	2,223	1,869	1,350	944	607	379	193	147	1
<b>14 And Under</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>15</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18</b>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>19</b>	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>20</b>	4	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0
<b>21</b>	4	2	1	3	0	0	1	0	0	0	0	0	0	0	0	0
<b>22</b>	5	6	7	3	0	1	10	3	0	0	0	0	0	0	0	0
<b>23</b>	11	12	8	8	4	3	5	4	0	0	1	0	0	0	0	0
<b>24</b>	17	15	12	8	5	3	11	2	4	0	0	0	0	0	0	0
<b>25</b>	31	14	23	8	11	7	17	8	3	0	0	0	0	0	0	0
<b>26</b>	47	34	23	19	11	6	19	6	3	1	0	0	0	0	0	1
<b>27</b>	81	58	29	20	26	11	34	12	4	3	1	0	0	0	0	0
<b>28</b>	193	76	53	35	27	21	43	12	3	2	0	0	0	0	0	0
<b>29</b>	276	137	70	40	27	23	66	17	5	0	1	0	0	0	0	0
<b>30</b>	204	199	85	57	44	43	74	16	6	1	0	0	0	0	0	0
<b>31</b>	186	169	146	89	62	52	101	26	9	0	0	1	0	0	0	0
<b>32</b>	127	126	127	125	99	49	122	31	6	2	0	0	0	0	0	0
<b>33</b>	100	120	121	104	87	52	148	44	8	5	2	1	0	0	0	0
<b>34</b>	70	81	97	108	83	76	163	39	9	1	1	0	0	0	0	0
<b>35-39</b>	186	227	251	256	282	292	1,190	361	106	16	9	2	1	0	1	0
<b>40-44</b>	70	84	83	104	120	118	736	704	274	65	14	4	5	0	0	0
<b>45-49</b>	21	26	19	41	29	44	355	509	613	214	58	4	4	2	0	0
<b>50-54</b>	5	12	11	12	14	18	139	264	458	459	148	45	12	5	1	0
<b>55-59</b>	3	5	6	1	6	4	57	108	223	351	333	102	30	3	2	0
<b>60-64</b>	2	1	5	1	1	3	25	43	97	145	245	232	63	11	2	0
<b>65-69</b>	1	4	1	1	2	1	4	7	26	56	79	142	118	21	6	0
<b>70-74</b>	0	0	0	1	1	0	3	5	9	16	34	42	105	78	21	0
<b>75 +</b>	0	0	0	2	0	0	0	2	3	13	18	32	41	73	114	0
<b>Not Stated</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table 33A. Reported Marriages by Age and Previous Marital Status: Missouri, 2019**

<u>Age</u>	<u>Male-Female</u>								<u>Same-Sex</u>							
	<u>Female</u>				<u>Male</u>				<u>Partner 1</u>				<u>Partner 2</u>			
	<u>Total</u>	<u>Single</u>	<u>Widowed</u>	<u>Divorced</u>	<u>Total</u>	<u>Single</u>	<u>Widowed</u>	<u>Divorced</u>	<u>Total</u>	<u>Single</u>	<u>Widowed</u>	<u>Divorced</u>	<u>Total</u>	<u>Single</u>	<u>Widowed</u>	<u>Divorced</u>
<b>Total</b>	35,112	23,626	1,024	10,403	35,112	23,492	981	10,575	1,068	815	9	239	1,068	798	8	258
<b>14 And Under</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>15</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16</b>	11	11	0	0	6	6	0	0	1	1	0	0	0	0	0	0
<b>17</b>	38	38	0	0	15	15	0	0	0	0	0	0	1	1	0	0
<b>18</b>	467	464	0	0	173	170	0	0	8	8	0	0	5	5	0	0
<b>19</b>	751	742	0	7	423	419	0	1	10	10	0	0	7	7	0	0
<b>20</b>	1,023	1,006	1	11	694	691	0	0	23	23	0	0	19	18	0	1
<b>21</b>	1,374	1,340	0	30	964	955	0	9	37	35	0	1	24	24	0	0
<b>22</b>	1,714	1,686	0	22	1,226	1,200	0	23	37	36	0	1	24	24	0	0
<b>23</b>	1,875	1,799	0	75	1,432	1,391	0	39	33	32	0	1	38	33	0	4
<b>24</b>	1,908	1,801	3	100	1,694	1,644	0	47	37	34	0	2	33	31	0	2
<b>25</b>	2,028	1,887	2	137	1,765	1,686	0	77	63	58	0	5	38	37	0	1
<b>26</b>	2,036	1,865	4	167	1,862	1,767	0	94	57	51	0	6	63	61	0	2
<b>27</b>	2,007	1,776	5	222	1,787	1,636	4	145	43	39	0	4	50	47	0	3
<b>28</b>	1,790	1,507	8	275	1,780	1,610	2	166	50	45	0	5	61	50	1	9
<b>29</b>	1,645	1,341	5	298	1,757	1,539	3	214	63	48	0	14	50	42	0	8
<b>30</b>	1,410	1,086	4	319	1,520	1,295	5	217	49	40	1	8	47	38	0	9
<b>31</b>	1,181	874	6	301	1,432	1,164	2	265	38	33	0	5	43	37	0	5
<b>32</b>	1,047	713	10	324	1,213	919	4	289	34	26	0	8	38	34	0	4
<b>33</b>	942	565	6	369	1,122	832	3	284	42	33	0	9	35	26	0	9
<b>34</b>	828	482	10	335	985	672	4	308	31	17	0	14	32	22	0	10
<b>35-39</b>	3,324	1,419	65	1,837	3,811	2,058	38	1,708	134	82	2	49	141	85	2	53
<b>40-44</b>	2,223	583	84	1,552	2,575	911	49	1,607	82	45	3	34	82	48	1	33
<b>45-49</b>	1,869	313	94	1,455	2,018	431	61	1,525	68	44	0	24	70	41	2	27
<b>50-54</b>	1,350	170	109	1,070	1,642	229	87	1,320	53	33	1	19	61	38	0	23
<b>55-59</b>	944	86	114	741	1,248	137	123	984	37	19	2	15	52	25	0	27
<b>60-64</b>	607	45	148	412	881	72	139	668	17	12	0	5	22	11	0	11
<b>65-69</b>	379	19	139	220	470	22	127	320	11	5	0	6	18	9	0	9
<b>70-74</b>	193	4	102	87	316	12	142	162	6	3	0	3	10	2	1	7
<b>75 +</b>	147	3	105	37	300	9	188	103	4	3	0	1	4	2	1	1
<b>Not Stated</b>	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<b>Median Age at Marriage</b>	29.3	26.6	59.5	41.2	31.3	28.1	63.6	44.3	31.7	29.8	42.0	38.2	32.8	30.4	45.1	41.5

**Table 33B. Reported Same-Sex Marriages by Age and Previous Marital Status: Missouri, 2019**

<u>Age</u>	<u>Female-Female</u>								<u>Male-Male</u>							
	<u>Partner 1</u>				<u>Partner 2</u>				<u>Partner 1</u>				<u>Partner 2</u>			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	710	508	6	193	710	516	5	188	358	307	3	46	358	282	3	70
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
18	7	7	0	0	5	5	0	0	1	1	0	0	0	0	0	0
19	8	8	0	0	7	7	0	0	2	2	0	0	0	0	0	0
20	22	22	0	0	17	16	0	1	1	1	0	0	2	2	0	0
21	23	22	0	0	18	18	0	0	14	13	0	1	6	6	0	0
22	31	30	0	1	15	15	0	0	6	6	0	0	9	9	0	0
23	20	19	0	1	28	25	0	3	13	13	0	0	10	8	0	1
24	28	26	0	2	27	25	0	2	9	8	0	0	6	6	0	0
25	39	34	0	5	33	32	0	1	24	24	0	0	5	5	0	0
26	33	27	0	6	48	46	0	2	24	24	0	0	15	15	0	0
27	29	25	0	4	31	29	0	2	14	14	0	0	19	18	0	1
28	31	27	0	4	42	34	0	8	19	18	0	1	19	16	1	1
29	42	28	0	13	29	22	0	7	21	20	0	1	21	20	0	1
30	36	29	1	6	32	26	0	6	13	11	0	2	15	12	0	3
31	24	19	0	5	25	21	0	4	14	14	0	0	18	16	0	1
32	25	17	0	8	24	21	0	3	9	9	0	0	14	13	0	1
33	30	21	0	9	23	17	0	6	12	12	0	0	12	9	0	3
34	22	10	0	12	21	13	0	8	9	7	0	2	11	9	0	2
35-39	92	53	2	37	101	52	2	46	42	29	0	12	40	33	0	7
40-44	54	23	2	29	58	31	1	26	28	22	1	5	24	17	0	7
45-49	43	23	0	20	44	23	2	19	25	21	0	4	26	18	0	8
50-54	29	16	1	12	29	19	0	10	24	17	0	7	32	19	0	13
55-59	22	11	0	10	23	8	0	15	15	8	2	5	29	17	0	12
60-64	9	6	0	3	13	5	0	8	8	6	0	2	9	6	0	3
65-69	7	2	0	5	9	3	0	6	4	3	0	1	9	6	0	3
70-74	2	1	0	1	6	1	0	5	4	2	0	2	4	1	1	2
75 +	1	1	0	0	1	1	0	0	3	2	0	1	3	1	1	1
Median Age at Marriage	31.2	29.2	39.3	37.6	31.9	29.2	43.8	39.4	32.3	30.8	57.5	43.9	35.0	32.6	74.0	49.7

**Table 34A. Reported Male-Female Marriages by Race: Missouri, 2019**

<u>Race of Female Partner</u>	Total	<u>Race of Male Partner</u>			
		White	Black	Other	Unknown
Total	35,112	28,747	3,485	1,097	1,783
White	28,926	27,275	765	549	337
Black	2,931	313	2,541	43	34
Other	1,348	748	93	495	12
Unknown	1,907	411	86	10	1,400

**Table 34B. Reported Female-Female Marriages by Race: Missouri, 2019**

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>			
		White	Black	Other	Unknown
Total	710	537	102	23	48
White	514	486	10	13	5
Black	120	29	87	4	0
Other	25	15	3	6	1
Unknown	51	7	2	0	42

**Table 34C. Reported Male-Male Marriages by Race: Missouri, 2019**

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>			
		White	Black	Other	Unknown
Total	358	306	21	11	20
White	284	262	9	6	7
Black	11	3	8	0	0
Other	33	26	2	5	0
Unknown	30	15	2	0	13

**Table 35A. Reported Marriages by County of Recording with Rates per 1,000 Population: Missouri, 2019**

Counties	Population	Marriages	Rate
<b>State Total</b>	6,137,428	36,636	6.0
Adair	25,343	152	6.0
Andrew	17,712	96	5.4
Atchison	5,143	32	6.2
Audrain	25,388	122	4.8
Barry	35,789	167	4.7
Barton	11,754	64	5.4
Bates	16,172	85	5.3
Benton	19,443	106	5.5
Bollinger	12,133	60	4.9
Boone	180,463	922	5.1
Buchanan	87,364	517	5.9
Butler	42,478	295	6.9
Caldwell	9,020	51	5.7
Callaway	44,743	168	3.8
Camden	46,305	313	6.8
Cape Girardeau	78,871	519	6.6
Carroll	8,679	50	5.8
Carter	5,982	40	6.7
Cass	105,780	587	5.5
Cedar	14,349	62	4.3
Chariton	7,426	35	4.7
Christian	88,595	505	5.7
Clark	6,797	43	6.3
Clay	249,948	1,371	5.5
Clinton	20,387	83	4.1
Cole	76,745	537	7.0
Cooper	17,709	112	6.3
Crawford	23,920	126	5.3
Dade	7,561	10	1.3
Dallas	16,878	82	4.9
Daviess	8,278	54	6.5
DeKalb	12,547	48	3.8
Dent	15,573	115	7.4
Douglas	13,185	48	3.6
Dunklin	29,131	167	5.7
Franklin	103,967	712	6.8
Gasconade	14,706	92	6.3
Gentry	6,571	37	5.6

Counties	Population	Marriages	Rate
Greene	293,086	2,190	7.5
Grundy	9,850	50	5.1
Harrison	8,352	64	7.7
Henry	21,824	145	6.6
Hickory	9,544	38	4.0
Holt	4,403	20	4.5
Howard	10,001	45	4.5
Howell	40,117	325	8.1
Iron	10,125	56	5.5
Jackson	703,011	5,529	7.9
Jasper	121,328	925	7.6
Jefferson	225,081	1,043	4.6
Johnson	54,062	385	7.1
Knox	3,959	17	4.3
Laclede	35,723	265	7.4
Lafayette	32,708	174	5.3
Lawrence	38,355	261	6.8
Lewis	9,776	39	4.0
Lincoln	59,013	266	4.5
Linn	11,920	79	6.6
Livingston	15,227	119	7.8
Macon	15,117	98	6.5
Madison	12,088	91	7.5
Maries	8,697	56	6.4
Marion	28,530	173	6.1
McDonald	22,837	174	7.6
Mercer	3,617	23	6.4
Miller	25,619	128	5.0
Mississippi	13,180	100	7.6
Moniteau	16,132	61	3.8
Monroe	8,644	32	3.7
Montgomery	11,551	53	4.6
Morgan	20,627	132	6.4
New Madrid	17,076	78	4.6
Newton	58,236	290	5.0
Nodaway	22,092	133	6.0
Oregon	10,529	56	5.3
Osage	13,615	82	6.0
Ozark	9,174	42	4.6

Counties	Population	Marriages	Rate
Pemiscot	15,805	77	4.9
Perry	19,136	128	6.7
Pettis	42,339	330	7.8
Phelps	44,573	236	5.3
Pike	18,302	121	6.6
Platte	104,418	579	5.5
Polk	32,149	219	6.8
Pulaski	52,607	463	8.8
Putnam	4,696	23	4.9
Ralls	10,309	59	5.7
Randolph	24,748	155	6.3
Ray	23,018	138	6.0
Reynolds	6,270	35	5.6
Ripley	13,288	111	8.4
Saline	22,761	124	5.4
Schuyler	4,660	39	8.4
Scotland	4,902	27	5.5
Scott	38,280	233	6.1
Shannon	8,166	50	6.1
Shelby	5,930	29	4.9
St. Charles	402,022	1,135	2.8
St. Clair	9,397	31	3.3
St. Francois	67,215	477	7.1
St. Louis City	300,576	2,245	7.5
St. Louis County	994,205	4,980	5.0
Ste. Genevieve	17,894	97	5.4
Stoddard	29,025	250	8.6
Stone	31,952	151	4.7
Sullivan	6,089	29	4.8
Taney	55,928	671	12.0
Texas	25,398	110	4.3
Vernon	20,563	135	6.6
Warren	35,649	208	5.8
Washington	24,730	132	5.3
Wayne	12,873	76	5.9
Webster	39,592	201	5.1
Worth	2,013	7	3.5
Wright	18,289	103	5.6

**Table 35B. Reported Marriages by Gender and County of Recording: Missouri, 2019**

Counties	Male-Female	Female-Female	Not Stated	Male-Male
<b>State Total</b>	35,112	710	456	358
Adair	145	3	0	4
Andrew	94	0	0	2
Atchison	31	0	0	1
Audrain	116	6	0	0
Barry	164	1	2	0
Barton	61	3	0	0
Bates	85	0	0	0
Benton	103	3	0	0
Bollinger	59	0	0	1
Boone	884	29	0	9
Buchanan	507	7	0	3
Butler	293	2	0	0
Caldwell	51	0	0	0
Callaway	164	3	0	1
Camden	309	3	0	1
Cape Girardeau	494	17	1	7
Carroll	49	1	0	0
Carter	40	0	0	0
Cass	581	6	0	0
Cedar	61	0	0	1
Chariton	33	2	0	0
Christian	499	4	0	2
Clark	43	0	0	0
Clay	1,339	22	0	10
Clinton	83	0	0	0
Cole	521	12	0	4
Cooper	108	2	1	1
Crawford	125	1	0	0
Dade	1	0	9	0
Dallas	81	1	0	0
Daviess	19	1	34	0
DeKalb	46	1	0	1
Dent	109	5	0	1
Douglas	48	0	0	0
Dunklin	164	2	0	1
Franklin	702	8	0	2
Gasconade	92	0	0	0
Gentry	37	0	0	0

Counties	Male-Female	Female-Female	Not Stated	Male-Male
Greene	2,118	48	0	24
Grundy	17	0	33	0
Harrison	61	1	1	1
Henry	142	2	0	1
Hickory	36	1	0	1
Holt	14	1	5	0
Howard	43	1	0	1
Howell	319	5	0	1
Iron	49	3	3	1
Jackson	5,285	158	0	86
Jasper	896	23	0	6
Jefferson	1,020	13	1	9
Johnson	378	5	0	2
Knox	17	0	0	0
Laclede	261	3	0	1
Lafayette	172	1	1	0
Lawrence	252	2	7	0
Lewis	39	0	0	0
Lincoln	261	3	0	2
Linn	77	1	1	0
Livingston	118	0	0	1
Macon	97	1	0	0
Madison	90	0	0	1
Maries	55	1	0	0
Marion	169	4	0	0
McDonald	156	13	1	4
Mercer	22	0	1	0
Miller	128	0	0	0
Mississippi	94	3	1	2
Moniteau	60	1	0	0
Monroe	32	0	0	0
Montgomery	53	0	0	0
Morgan	129	1	1	1
New Madrid	78	0	0	0
Newton	287	3	0	0
Nodaway	130	3	0	0
Oregon	56	0	0	0
Osage	80	1	0	1
Ozark	11	0	31	0

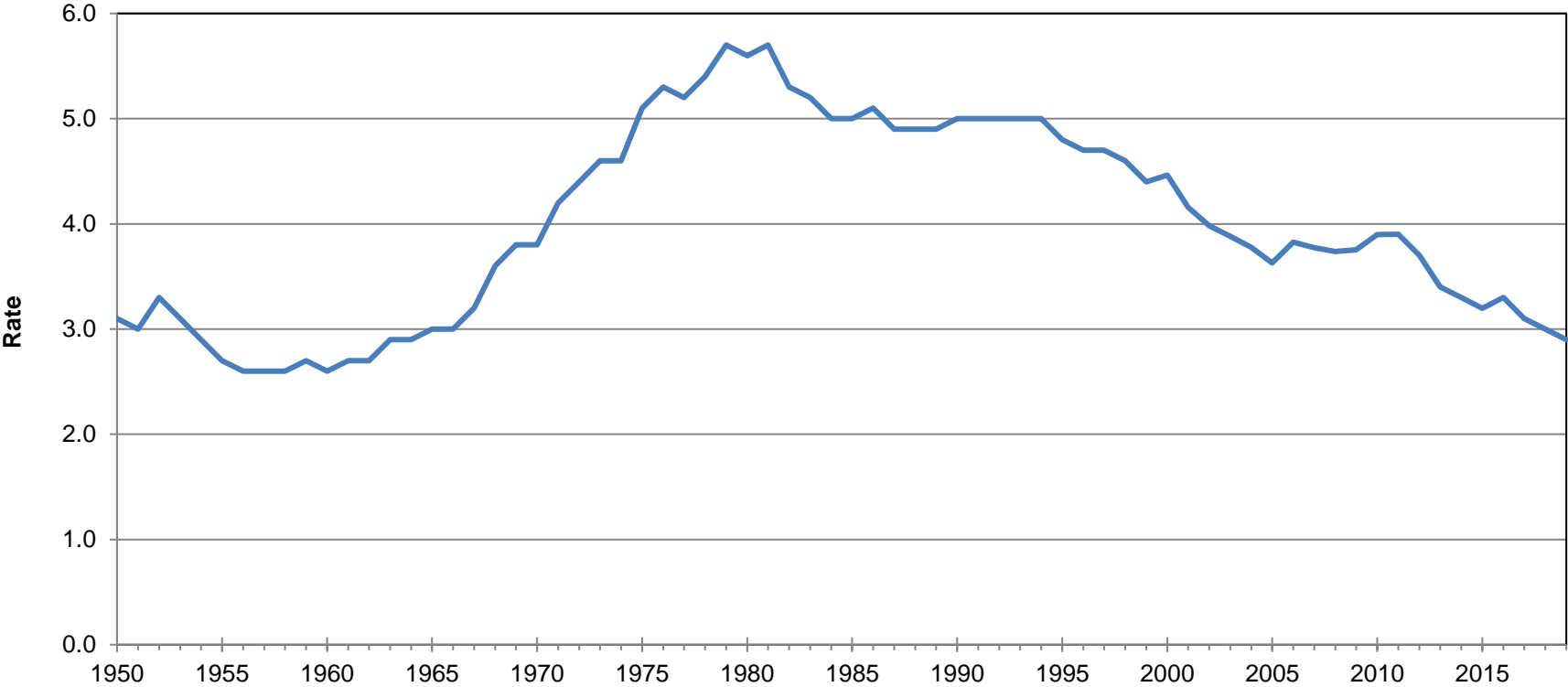
Counties	Male-Female	Female-Female	Not Stated	Male-Male
Pemiscot	74	0	2	1
Perry	39	0	88	1
Pettis	325	3	0	2
Phelps	232	4	0	0
Pike	119	1	1	0
Platte	561	12	0	6
Polk	219	0	0	0
Pulaski	448	8	0	7
Putnam	2	0	21	0
Ralls	59	0	0	0
Randolph	151	4	0	0
Ray	0	1	137	0
Reynolds	34	1	0	0
Ripley	109	2	0	0
Saline	119	3	1	1
Schuyler	39	0	0	0
Scotland	27	0	0	0
Scott	229	4	0	0
Shannon	49	1	0	0
Shelby	29	0	0	0
St. Charles	1,091	26	3	15
St. Clair	4	0	27	0
St. Francois	459	14	2	2
St. Louis City	2,101	64	13	67
St. Louis County	4,826	101	2	51
Ste. Genevieve	97	0	0	0
Stoddard	245	5	0	0
Stone	151	0	0	0
Sullivan	7	0	22	0
Taney	664	3	0	4
Texas	110	0	0	0
Vernon	133	0	0	2
Warren	206	2	0	0
Washington	129	3	0	0
Wayne	76	0	0	0
Webster	200	1	0	0
Worth	5	0	2	0
Wright	101	0	1	1



**Table 35C. Reported Marriages by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2019**

BRFSS Region	Population	Total	Rate	Male-Female	Rate	Same-Sex	Rate
<u>State Total</u>	6,137,428	36,636	6.0	35,112	5.7	1,068	0.2
Northeast	248,603	1,466	5.9	1,361	5.5	25	0.1
Northwest	237,216	1,443	6.1	1,371	5.8	30	0.1
Central	727,846	4,364	6.0	4,246	5.8	116	0.2
Southeast	565,708	3,624	6.4	3,417	6.0	78	0.1
Southwest	949,160	6,427	6.8	6,228	6.6	153	0.2
St. Louis Region	2,144,433	10,715	5.0	10,332	4.8	364	0.2
Kansas City Region	1,264,462	8,597	6.8	8,157	6.5	302	0.2
Metro	4,620,185	26,911	5.8	25,855	5.6	897	0.2
Non-Metro	1,517,243	9,725	6.4	9,257	6.1	171	0.1

Graph G. Dissolution Rates per 1,000 Population: Missouri, 1950-2019



Year	Dissolutions	Rate	Year	Dissolutions	Rate	Year	Dissolutions	Rate
1950	12,177	3.1	1985	24,990	5.0	2013	20,684	3.4
1955	11,351	2.7	1990	25,701	5.0	2014	19,877	3.3
1960	11,320	2.6	1995	25,733	4.8	2015	19,330	3.2
1965	13,261	3.0	2000	24,980	4.5	2016	19,997	3.3
1970	17,852	3.8	2005	21,013	3.6	2017	19,187	3.1
1975	24,527	5.1	2010	23,349	3.9	2018	18,630	3.0
1980	27,595	5.6	2012	22,550	3.7	2019	17,740	2.9

**Table 36. Reported Marriage Dissolution Decrees by Month and by Type of Decree: Missouri, 2019**

	Total Decrees	Dissolutions	Legal Separations	Annulments
<b>State Total</b>	17,840	17,698	100	42
<b>January</b>	1,311	1,304	6	1
<b>February</b>	1,197	1,188	7	2
<b>March</b>	1,457	1,445	10	2
<b>April</b>	1,645	1,626	9	10
<b>May</b>	1,663	1,648	11	4
<b>June</b>	1,518	1,502	11	5
<b>July</b>	1,573	1,564	5	4
<b>August</b>	1,464	1,452	9	3
<b>September</b>	1,439	1,430	7	2
<b>October</b>	1,615	1,604	6	5
<b>November</b>	1,389	1,374	14	1
<b>December</b>	1,569	1,561	5	3

**Table 37. Reported Dissolutions and Annulments of Marriage by Number of Previous Marriages: Missouri, 2019**

<u>Husband</u>	Total	<u>Wife</u>						
		None	One	Two	Three	Four	Five Or More	Unknown
<b>Total</b>	17,740	10,219	3,551	1,075	332	118	60	2,385
<b>None</b>	10,193	8,357	1,419	257	60	18	11	71
<b>One</b>	3,597	1,448	1,450	442	119	49	18	71
<b>Two</b>	1,115	269	455	249	82	28	18	14
<b>Three</b>	322	55	121	72	44	12	7	11
<b>Four</b>	88	16	25	23	15	5	2	2
<b>Five Or More</b>	36	5	11	6	7	3	2	2
<b>Unknown</b>	2,389	69	70	26	5	3	2	2,214

**Table 38. Reported Dissolutions and Annulments of Marriage by Duration of Marriage  
and Number of Children Affected: Missouri, 2019**

<u>Duration</u>	Total	<u>Children Affected</u>							
		No Children	One	Two	Three	Four	Five	Six Or More	Unknown
<b>Total</b>	17,740	9,440	3,470	3,123	1,183	292	75	21	136
<b>Under 1 Year</b>	445	405	21	7	9	0	0	0	3
<b>1 Year</b>	1,035	794	150	52	14	2	5	0	18
<b>2 Years</b>	1,233	856	252	83	29	5	2	0	6
<b>3 Years</b>	1,255	811	266	128	30	8	3	0	9
<b>4 Years</b>	1,202	660	291	175	55	7	2	1	11
<b>5 Years</b>	1,033	559	239	167	43	13	5	3	4
<b>6 Years</b>	1,018	492	236	205	56	18	3	0	8
<b>7 Years</b>	919	402	207	216	60	16	5	1	12
<b>8-9 Years</b>	1,564	661	328	405	119	33	6	1	11
<b>10-12 Years</b>	1,867	720	359	493	221	52	9	4	9
<b>13-15 Years</b>	1,432	463	281	411	208	52	8	2	7
<b>16-19 Years</b>	1,523	543	290	426	187	46	17	6	8
<b>20-24 Years</b>	1,282	585	308	249	99	26	7	2	6
<b>25-29 Years</b>	744	511	143	55	24	7	0	0	4
<b>30-34 Years</b>	476	405	34	20	8	1	1	1	6
<b>35-39 Years</b>	232	222	8	0	2	0	0	0	0
<b>40 Years and Longer</b>	197	190	4	2	0	1	0	0	0
<b>Unknown</b>	283	161	53	29	19	5	2	0	14

**Table 39. Reported Dissolutions and Annulments of Marriage by Race of Wife by Race of Husband: Missouri, 2019**

<u>Wife</u>	Total	<u>Husband</u>			
		White	Black	Other	Unknown
<b>Total</b>	17,740	13,099	1,574	273	2,794
<b>White</b>	13,229	12,562	324	113	230
<b>Black</b>	1,340	131	1,144	17	48
<b>Other</b>	329	158	28	138	5
<b>Unknown</b>	2,842	248	78	5	2,511

**Table 40. Reported Dissolutions and Annulments of Marriage by Petitioner by Disposition of Children and by Child Support Awarded: Missouri, 2019**

<u>Petitioner</u>	Total	<u>Custody Given To:</u>					
		Husband	Wife	Joint	Other	No Children	Unknown
<b>Total</b>	17,740	282	1,674	5,827	132	9,810	15
<b>Husband</b>	6,296	241	238	2,098	42	3,671	6
<b>Wife</b>	10,591	29	1,393	3,460	84	5,616	9
<b>Joint</b>	325	4	16	134	3	168	0
<b>Other</b>	15	0	1	2	0	12	0
<b>Unknown</b>	513	8	26	133	3	343	0

<u>Petitioner</u>	Total	<u>Child Support Awarded To:</u>					
		Husband	Wife	No Support	Other	No Children	Unknown
<b>Total</b>	17,740	298	4,434	3,149	11	9,810	38
<b>Husband</b>	6,296	207	1,217	1,182	3	3,671	16
<b>Wife</b>	10,591	80	3,046	1,822	7	5,616	20
<b>Joint</b>	325	1	82	72	0	168	2
<b>Other</b>	15	0	0	3	0	12	0
<b>Unknown</b>	513	10	89	70	1	343	0

**Table 41. Reported Dissolutions and Annulments of Marriage by Age of Wife by Age of Husband: Missouri, 2019**

<u>Age of Wife</u>	Total	<u>Age of Husband</u>									
		Less Than 20	20-24	25-29	30-34	35-39	40-44	45-54	55-64	65 +	Unknown
<b>Total</b>	17,740	20	611	1,830	2,668	2,772	2,526	4,015	2,151	874	273
<b>Less Than 20</b>	49	10	28	7	2	0	0	1	0	0	1
<b>20-24</b>	961	7	425	395	74	22	7	6	7	2	16
<b>25-29</b>	2,379	2	118	1,109	791	207	66	44	13	7	22
<b>30-34</b>	2,915	1	13	230	1,304	873	285	143	23	5	38
<b>35-39</b>	2,941	0	4	34	317	1,212	863	405	54	10	42
<b>40-44</b>	2,434	0	6	16	97	291	894	976	104	21	29
<b>45-54</b>	3,431	0	5	12	32	106	340	2,054	753	92	37
<b>55-64</b>	1,665	0	1	2	6	8	22	279	1,027	300	20
<b>65 +</b>	575	0	0	0	2	2	3	20	119	418	11
<b>Unknown</b>	390	0	11	25	43	51	46	87	51	19	57

**Table 42A. Reported Dissolutions and Annulments by County of Recording with Rates per 1,000 Population: Missouri, 2019**

Counties	Population	Decrees	Rate
<b>State Total</b>	6,137,428	17,740	2.9
Adair	25,343	62	2.4
Andrew	17,712	151	8.5
Atchison	5,143	18	3.5
Audrain	25,388	69	2.7
Barry	35,789	43	1.2
Barton	11,754	36	3.1
Bates	16,172	0	0.0
Benton	19,443	60	3.1
Bollinger	12,133	39	3.2
Boone	180,463	466	2.6
Buchanan	87,364	222	2.5
Butler	42,478	226	5.3
Caldwell	9,020	0	0.0
Callaway	44,743	135	3.0
Camden	46,305	105	2.3
Cape Girardeau	78,871	262	3.3
Carroll	8,679	19	2.2
Carter	5,982	24	4.0
Cass	105,780	314	3.0
Cedar	14,349	55	3.8
Chariton	7,426	18	2.4
Christian	88,595	305	3.4
Clark	6,797	24	3.5
Clay	249,948	763	3.1
Clinton	20,387	18	0.9
Cole	76,745	113	1.5
Cooper	17,709	45	2.5
Crawford	23,920	77	3.2
Dade	7,561	26	3.4
Dallas	16,878	38	2.3
Daviess	8,278	15	1.8
DeKalb	12,547	23	1.8
Dent	15,573	71	4.6
Douglas	13,185	59	4.5
Dunklin	29,131	129	4.4
Franklin	103,967	352	3.4
Gasconade	14,706	40	2.7
Gentry	6,571	64	9.7

Counties	Population	Decrees	Rate
Greene	293,086	1,173	4.0
Grundy	9,850	38	3.9
Harrison	8,352	39	4.7
Henry	21,824	82	3.8
Hickory	9,544	27	2.8
Holt	4,403	7	1.6
Howard	10,001	33	3.3
Howell	40,117	209	5.2
Iron	10,125	35	3.5
Jackson	703,011	1,591	2.3
Jasper	121,328	532	4.4
Jefferson	225,081	515	2.3
Johnson	54,062	177	3.3
Knox	3,959	11	2.8
Laclede	35,723	121	3.4
Lafayette	32,708	109	3.3
Lawrence	38,355	95	2.5
Lewis	9,776	23	2.4
Lincoln	59,013	141	2.4
Linn	11,920	52	4.4
Livingston	15,227	89	5.8
Macon	15,117	38	2.5
Madison	12,088	55	4.5
Maries	8,697	23	2.6
Marion	28,530	133	4.7
McDonald	22,837	91	4.0
Mercer	3,617	7	1.9
Miller	25,619	63	2.5
Mississippi	13,180	41	3.1
Moniteau	16,132	47	2.9
Monroe	8,644	23	2.7
Montgomery	11,551	25	2.2
Morgan	20,627	54	2.6
New Madrid	17,076	34	2.0
Newton	58,236	175	3.0
Nodaway	22,092	61	2.8
Oregon	10,529	29	2.8
Osage	13,615	25	1.8
Ozark	9,174	21	2.3

Counties	Population	Decrees	Rate
Pemiscot	15,805	39	2.5
Perry	19,136	68	3.6
Pettis	42,339	198	4.7
Phelps	44,573	135	3.0
Pike	18,302	51	2.8
Platte	104,418	324	3.1
Polk	32,149	119	3.7
Pulaski	52,607	299	5.7
Putnam	4,696	15	3.2
Ralls	10,309	40	3.9
Randolph	24,748	84	3.4
Ray	23,018	59	2.6
Reynolds	6,270	11	1.8
Ripley	13,288	70	5.3
Saline	22,761	78	3.4
Schuyler	4,660	10	2.1
Scotland	4,902	9	1.8
Scott	38,280	206	5.4
Shannon	8,166	28	3.4
Shelby	5,930	19	3.2
St. Charles	402,022	1,133	2.8
St. Clair	9,397	33	3.5
St. Francois	67,215	307	4.6
St. Louis City	300,576	485	1.6
St. Louis County	994,205	2,300	2.3
Ste. Genevieve	17,894	53	3.0
Stoddard	29,025	168	5.8
Stone	31,952	93	2.9
Sullivan	6,089	17	2.8
Taney	55,928	176	3.1
Texas	25,398	81	3.2
Vernon	20,563	70	3.4
Warren	35,649	96	2.7
Washington	24,730	60	2.4
Wayne	12,873	41	3.2
Webster	39,592	114	2.9
Worth	2,013	29	14.4
Wright	18,289	92	5.0

**Table 42B. Reported Dissolutions and Annulments by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2019**

BRFSS Region	Population	Decrees Recorded	Rate
<b>Total</b>	6,137,428	17,740	2.9
<b>Northeast</b>	248,603	841	3.4
<b>Northwest</b>	237,216	825	3.5
<b>Central</b>	727,846	2,127	2.9
<b>Southeast</b>	565,708	2,327	4.1
<b>Southwest</b>	949,160	3,343	3.5
<b>St. Louis Region</b>	2,144,433	5,099	2.4
<b>Kansas City Region</b>	1,264,462	3,178	2.5
<b>Metro</b>	4,620,185	12,300	2.7
<b>Non-Metro</b>	1,517,243	5,440	3.6



## **APPENDIX**

On January 1, 2010, the Missouri Department of Health and Senior Services (MDHSS) implemented two significant changes relating to the tabulation of statistical data on vital events in Missouri. MDHSS launched a web-based registration system and began registering births and deaths using the 2003 Revision of the US Standard Certificates of Live Births and Deaths. The web-based registration system collected some existing data items in different ways. The revised certificates stopped collecting some data items, included new data items, and collected old information in new ways. As a result, differences in tabulations since 2010 may be the result of changes in data collection methods rather than changes in health status. Major changes in data collection methods are addressed in this appendix. Differences between 2019 tabulations and pre-2010 tabulations should be evaluated with these changes in mind.

### **RELIABILITY OF THE DATA**

In analyzing any data including vital statistics, the potential for error in the data must not be overlooked. There are several types of errors possible including: under-registration, errors made by the informant, and errors in compiling and processing.

The most potentially dangerous error is that of improper interpretation. Statistics are neither more true nor false than the interpretation given to them. Particular caution must be used in analyzing trend data, because changes have occurred over the years in medical diagnosis, coding definitions, and registration methodology.

Care should be taken in using rates where the number of events or reference population is small. Minor differences in the number of events may result in major changes in the rates. Rates based on fewer than 20 events are very unstable. Most of the rates computed for this report are crude rates. In comparing rates for geographic areas and time periods, crude rates are limited because they do not take into account the differences in age, sex, race, and other population characteristics.

### **SOURCES OF VITAL RECORDS**

Vital statistics in Missouri are compiled from six basic records which are filed with MDHSS by state law. These records are: (1) live birth records, (2) death records, and (3) fetal death records, each beginning in 1911; (4) marriage and (5) divorce records, beginning in 1949; and (6) abortion records, beginning in 1975.

Missouri cooperates with other states in the exchange of records for live births, fetal deaths, deaths, and abortions, including events occurring to Missouri residents in other states. However, MDHSS has not received individual abortion records from Illinois since 1983 and did not receive records from Tennessee clinics from 1997 to 2005. Instead, MDHSS received estimates of Missouri resident abortions from some Tennessee clinics from 1997 to 2005, and an estimate of Missouri resident abortions was received from Illinois for 1988-2019. MDHSS also received abortion counts of Missouri resident abortions for 2014-2017 from Arkansas and Oklahoma in 2019. These estimates and counts are included in Graph D.

There is no interstate exchange of records for marriages, dissolutions, and annulments. Tables using these data files (Tables 31 through 42) report events that occurred in Missouri, by county of occurrence, regardless of the residence of the parties involved.

The data within this report represent the 2019 calendar year of events. Live births were accepted through February 24, 2020, death, fetal death, marriage and abortion records through April 15, 2020 and dissolutions through April 24, 2020.

Except where noted, historical vital statistics data are taken from annual MDHSS vital statistics reports.

## **POPULATION**

All Missouri county and city population estimates for 2019 were developed by the United States Census Bureau (Vintage 2019). Counts for all decennial years were taken from the United States Census Bureau for those years. Age-sex-specific estimates and counts were also taken from the Census Bureau with the exception of the Less than Age One population, which used the number of that year's resident live births.

The source of the state total estimates for non-Census years 1911-1969 is the US Census Bureau P-25 series. State estimates for 1971-1979 were obtained from the US Census Bureau publication, "Preliminary Intercensal Estimates of the Population of Counties." Age-sex-specific population estimates for 1981 - 1989 were developed by the US Census Bureau in unpublished tables. State population estimates for 1991-1999 and 2001-2009 also came from the US Census Bureau. MDHSS used these as controls in developing 1991-1999 age-sex-specific population estimates for Missouri. Estimates of the 2001-2009 age-sex-specific state population were adjusted to the 2010 counts and provided by the US Census Bureau (published October 2012). State total population estimates for 2011-2019 came from the US Census Bureau (Vintage 2019).

## **RACE and HISPANIC ORIGIN (ETHNICITY)**

Since the 1989 report, birth, fetal death, and infant death data have been presented by race of mother. Before 1989, this data was presented by race of child. The change in 1989 was implemented to be consistent with the National Center for Health Statistics (NCHS), which also implemented this change in 1989. Race of child had been computed by an algorithm based on the race of mother and race of father. Persons of mixed parentage were classified according to the race of the nonwhite parent. Because of this rather arbitrary formula and the increasing proportion of out-of-wedlock births in which father's race is missing, NCHS decided to implement this change to race of mother.

Beginning with the 2010 vital statistics report, tabulations of race for live births, deaths, and abortions refer to four mutually-exclusive groups that take into account Hispanic origin. The groups are "white, non-Hispanic"; "black, non-Hispanic"; "other/multiple race, non-Hispanic"; and "Hispanic, all races". For tabulations prior to 2010, "race" refers to the classification of the population into three distinct groups: white, black, and other. Before 2010, persons of Latin American birth or ancestry who were not identified as being American Indian or other designated race were classified as white.

The 2010 methodology was changed to be consistent with changes in population data from the decennial US Census, the 2003 US Standard certificates for live births and deaths, and the 2003 US Standard Report of Fetal Death. Prior to 2010, only one race could be selected. "Multiple race" was available as a primary selection, but no details were captured. Beginning with 2010 birth and death data, more than one race can be selected. Analysis of 2019 Missouri resident data showed that 3.1 percent of births were to mothers of multiple races and 0.3 percent of deaths were to multiple race decedents. Therefore, records of mothers and decedents which indicate only white or only black as their race, and do not indicate Hispanic origin, are classified in this report as white,

non-Hispanic, or black, non-Hispanic, respectively. The "other/multiple, non-Hispanic" race group now includes persons selecting multiple races as well as persons identified as American Indian or Alaska Native (AIAN), Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, or other specified race, but not of Hispanic origin. Persons of unknown race are not included in "other/multiple," but are included in the total of all races. This method allows for comparison of statistics on race across the different methods of collecting race information.

Appendix Table A shows the effects of the changes in race and Hispanic origin classification on low birth weight rates using 2019 resident live births. The number of white, non-Hispanic and black, non-Hispanic births using the 2010 method were both reduced from the White and Black totals using the pre-2010 method, as the Hispanic births and births involving multiple races have been removed. White, non-Hispanic births (2010 method) were 6.1 percent less than white births (pre-2010 method). The 2010 method resulted in about 10.7 percent fewer black, non-Hispanic births than black births using the pre-2010 method. The low birth weight rate for white, non-Hispanics of 7.5 percent was equal to the 7.5 white rate. The low birth weight rate for black, non-Hispanics was 15.8 percent compared to 15.4 percent for black births using the pre-2010 method. The overall black to white ratio for low birth weight was 2.07 using the pre-2010 method compared with 2.12 using the new 2010 method.

**Appendix Table A**  
**Effects of Changes in Racial Classification Methods on 2019 Low Birth Weight**  
**(less than 5.5 lbs) Rates by Race**

**Pre-2010 Definition (single race\* selected)**

<u><b>Mother's Race</b></u>	<u><b>Live Births</b></u>	<u><b>LBW</b></u>	<u><b>LBW Rate</b></u>	<u><b>Black/White Ratio</b></u>
<b>White</b>	55,754	4,154	7.5	
<b>Black</b>	11,734	1,810	15.4	2.07
<b>Other and Multiple</b>	4,340	395	9.1	
<b>Unknown race</b>	275	20	7.3	
<b>Total</b>	72,103	6,379	8.9	

**2010 Definition (multiple races\*\* and Hispanic origin included)**

<u><b>Mother's Race</b></u>	<u><b>Live Births</b></u>	<u><b>LBW</b></u>	<u><b>LBW Rate</b></u>	<u><b>Black/White Ratio</b></u>
<b>White, Non-Hispanic</b>	52,346	3,904	7.5	
<b>Black, Non-Hispanic</b>	10,475	1,653	15.8	2.12
<b>Hispanic, any Race</b>	4,383	337	7.7	
<b>Other and Multiple</b>	4,828	478	9.9	
<b>Unknown race</b>	71	7	9.9	
<b>Total (includes unknown race)</b>	72,103	6,379	8.9	

- \* Single-race method includes Hispanic mothers in White, Black and Other/Multiple classifications.
- \*\*Multiple-race method excludes Hispanic mothers from White, Black and Other/Multiple classifications.

Users of the MDHSS MOPHIMS/MICA query tools

(<https://healthapps.dhss.mo.gov/MoPhims/MICAHome>) should note that the above changes are not reflected in the Birth and Death MICA queries for 2010 and beyond. Instead, an algorithm from NCHS is used to make race-specific statistics from both multiple-race and single-race data collection systems that are sufficiently comparable to permit analysis. Hispanic origin was maintained as a separate category of analysis in the Birth and Death MICAs. This was done to keep analyses as consistent with the prior years of data as possible. (Filtering of Hispanic origin for data queries is still supported.)

As a result, small differences will be found between statistics calculated by MICA and statistics in this report. The changes in racial classification tended to have a greater effect on the “other/multiple race, non-Hispanic” category as the low birth weight rate for this group increased from 9.1 percent using the single-race method to 9.9 percent using the multiple-race method. The birth denominator count for this classification was similar using both methods, but the individual mothers within each group were very different. The single-race method includes a large proportion of Hispanics as “other/multiple race”, while the multiple-race method includes mothers with multiple declared races instead. (See Appendix Table A above.)

## **"RESIDENT" AND "RECORDED" EVENTS**

It is important to understand the significance of the terms "Resident" and "Recorded" when analyzing vital statistics.

"Resident" data for vital events pertain to persons residing in a particular area, independent of where the event occurred. An exception to this is that when a person dies in a hospital, nursing home, or other institution, the usual place of residence before admission determines the place of residence. In the case of live births, fetal deaths, and infant deaths, the residence of the mother is considered to be the residence of the child. "Recorded" data for vital events are based on where the event occurred. Analysis using recorded data may include records of non-Missouri residents.

Resident and recorded figures are independent of each other and should neither be added to nor subtracted from the other. Thus, the number of events occurring or not occurring in the same geographic area where the people reside cannot be simply calculated from resident and recorded data. Each table indicates whether the analysis is for resident or recorded data.

## **GEOCODING**

Beginning with 2008 data, MDHSS uses a computerized geocoding package (Address Broker) to improve the accuracy of residence address information on Missouri resident birth and death records for the entire state. If the record's address, including resident county, city, and zip code, matches well with available address data, the software overwrites the existing values on the record and also adds latitude, longitude, and Census tract. If no match is available or the best match is not accurate enough, address information is left as reported, and latitude, longitude, and Census tract are not added.

From 2000 through 2007, only the following metropolitan counties were geocoded: Buchanan, Cass, Clay, Greene, Jackson, Jefferson, Platte, Ray, St. Charles, St. Louis County, and St. Louis City.

## **REGIONS**

Beginning with the 2010 report, Missouri Regional Planning Commission areas were replaced with Behavioral Risk Factor Surveillance System (BRFSS) regions. This change was made to support and enhance MDHSS BRFSS survey data. More information on BRFSS, along with public access data, can be found at: <https://health.mo.gov/data/brfss/index.php>. A map of the BRFSS region boundaries is included in this report on page vi.

## **METRO (METROPOLITAN) vs. NON-METRO COUNTIES**

Tables displaying BRFSS region data also include metro and non-metro groupings. These groupings cut across BRFSS regions so that a subset of all BRFSS regions is not equivalent to the metro or non-metro groupings. The metro counties are: Andrew, Bollinger, Buchanan, Bates, Boone, Caldwell, Callaway, Cape Girardeau, Cass, Christian, Clay, Clinton, Cole, Dallas, Greene, Franklin, Howard, Jackson, Jasper, Jefferson, Lafayette, Lincoln, McDonald, Moniteau, Newton, Osage, Platte, Polk, Ray, St. Charles, St. Louis, Warren, Webster, and Washington counties, as well as St. Louis City. The eighty other counties are defined as non-metro. A map of metro and non-metro regions is included in this report on page vi, adapted from a map prepared by the US Census Bureau, Geography Division. (US Department of Commerce, Economics and Statistics Administration, August 31, 2010.)

**UNKNOWNNS AND IMPUTED DATA**

Records of Missouri residents with unknown county of residence are included in the state totals of this publication. In general, state totals always include records with variables that have any unknown values. The number of 2019 records with unknown county of residence by system is as follows:

Live Births.....	0
Fetal Deaths .....	0
Deaths .....	0
Abortions .....	8

To account for unknown data items and inconsistencies in reporting to MDHSS, the following imputations and data interpretations were made in this report:

- Unknown sex is considered male.
- Unknown county of mother’s or decedent’s residence is replaced with the county of recording when the recording occurs in Missouri.
- Unknown marital status is considered not married, out-of-wedlock. (Prior to 2010, unknown marital status was considered married.)
- Unknown live birth order is considered 1st.
- Unknown number born is considered singleton.
- Maternal age greater than or equal to age 65 is considered unknown.
- Unknown month of last live birth is considered June.
- Unknown day of last live birth is considered 15th.
- Unknown average amount smoked for any trimester or for the three months prior to pregnancy is considered unknown maternal smoking status.
- Prepregnancy weight less than 50 pounds or greater than 400 pounds is considered unknown prepregnancy weight. Postpregnancy weight less than 50 pounds or greater than 450 pounds is considered unknown postpregnancy weight.
- Negative weight gain during pregnancy (weight loss) is considered 0 pounds gained.

**INDICATORS CHANGED OR REMOVED FROM THIS REPORT**

The following indicators appeared in prior editions of this report but were changed as noted or removed beginning with the 2010 report:

- Maternal Drinking During Pregnancy: Data item was removed by NCHS from the 2003 revision of the US Standard Birth Certificate. Self-reporting by mothers on this data item was found to be poor at best.
- Maternal Smoking During Pregnancy (Table 10): Smoking during any trimester of pregnancy. Data item was revised by NCHS on the 2003 revision of the US Standard Birth Certificate to provide opportunity to analyze the patterns of maternal smoking. (See “Enhanced Data on Maternal Smoking (Table 5A, Table 10)” for details.)
- Years at Present Address: Data item was removed from certificate by MDHSS to make room for other items.
- Maternal Transfers: Due to the low number of events in recent years, this indicator was removed.

- Crown Heel Length: Data item was removed by MDHSS due to poor reporting and lack of reliability.
- Birth Spacing Less Than 18 Months (Table 10): The full date of last live birth is now collected instead of only month and year. As a result, births that took place more than 17 months but less than 18 months after the last live birth are now counted. This is a factor contributing to the increase in the rate for this indicator since 2009.
- Obstetric and Pediatric Conditions and Procedures, Congenital Anomalies and Abnormal Conditions of Newborn (Table 5B): See “Medical Information on Birth Records” below for a detailed description of changes made to these indicators.
- Live Birth Order (Table 6, Table 7, and Table 10): Definition changed to include all prior live births, regardless of current vital status. As such, Live Birth Order of 1<sup>st</sup> identifies “first-time” mothers. Prior to the 2010 report, Live Birth Order only counted prior live births currently living.
- Mother more than 15% Underweight, Mother more than 20% Overweight: Indicators have been replaced with the BMI-based Underweight and Obese indicators (Table 10).
- Prenatal Care and Inadequate Prenatal Care (Table 10): Beginning in 2010 the complete date of first prenatal visit is collected, affecting the beginning trimester of Prenatal Care and the rates of inadequate prenatal care. (See “Date of First Prenatal Visit and Adequacy of Prenatal Care (Table 10)” for details.)
- Mother on Medicaid and WIC: Removed from the 2010 report due to the high correlation between the Mother on Medicaid and Mother on WIC indicators.
- Recorded Births and Deaths by Cities with 2,500 to 24,999 Population: These listings were removed due to the extreme influence local health care capacity has on where these events occur.
- Causes of Death, Groupings of Causes of Death, and Rankable Causes of Death (Tables 18-19, Table 21, Table 23, and Table 26): Changes made by MDHSS (See “Cause of Death Classification and Rankable Causes of Death” below for details.).
- Cause of Accidental Death (Table 27): Definition of public transportation accidental death in car or truck changed because of no longer updating motor vehicle accidental deaths with added information from the Highway Patrol beginning in 2010. This resulted in less specific ICD-10 codes and the need to expand the codes for car and truck accidents and reduce the codes for Public Transport: Other/Unspecified. (See “Accidental Death Table (Table 27)” below for details.).

## **RATES**

Rates are calculated by dividing the number of events of concern by the population at risk or a related population and multiplying by a constant. Live birth, death, natural increase, marriage, and dissolution rates are expressed in terms of 1,000 estimated mid-year population. Cause-specific death rates are expressed in terms of 100,000 population. Infant, perinatal, fetal, neonatal, and post-neonatal death rates are stated per 1,000 live births (Tables 22-25). (See “Population” above for more details.)

Rates per 100 (percentages) are used for most prenatal and birth outcome indicators (Tables 7-10), such as inadequate prenatal care and low birth weight births, where the denominator is based on the number of live births. When the rate being calculated is a percent, events for which the value of interest is unknown are excluded from the calculation. Hence, percentages in this report are the percent of events for which the value is known, not the percentage of all potential events.

## **FORMULAE FOR VARIOUS RATE INDICATORS**

**Total Fertility Rate** (Graph B) is the average number of live births a woman would have if a given set of age-specific birth rates applied throughout her reproductive years.

**General Fertility Rate** (Table 3) is the total number of live births per 1,000 women aged 15-44 for a given year.

**Age-Specific Fertility Rate** (Table 3) is the number of live births born to mothers of a given age per 1,000 females of that age group for a given year.

**Abortion Ratio** (Table 14) is the comparison of the total number of abortions to the total number of live births for a given year, and then multiplied by 1,000.

$$\text{Abortion Ratio} = \frac{\text{Number of abortions during year}}{\text{Live births for that year}} \times 1,000$$

**Crude Death Rate** is defined as the total number of deaths of area residents for the year divided by the appropriate population (usually midyear population estimate) of the area, then multiplied by some constant. The constants used in this report are 100,000 for cause-specific rates and deaths for all causes (Tables 18 and 26A) and 1,000 for death rates in all other tables and graphs.

$$\text{Crude death rate} = \frac{\text{Number of deaths during year}}{\text{Midyear population for that year}} \times 1,000 \text{ or } 100,000$$

**Age-Specific Death Rate** (Tables 4 and 20) is calculated in the same manner as the crude death rate except that both the number of deaths and the population used are restricted to a given age group.

$$\text{Age-specific death rate for a given age group} = \frac{\text{Number of deaths in that age group during year}}{\text{Population in that age group for that year}} \times 1,000$$

The **Age-Adjusted Death Rate** (Tables 18A, 26A) is a weighted average of age-specific death rates. Comparison of areas or time periods using crude death rates can often be misleading, since these rates are affected by the age composition of the population. For example, a county may have a high crude death rate simply because it has an older population. To control for differences in age composition, age-specific rates can be weighted (normalized) according to a standard population. Such a calculation produces an age-adjusted rate.

The age-adjusted rates shown in this report are calculated by the direct method, using the following formula:

$$\text{Age-Adjusted Death Rate} = \sum_{A01}^{A11} (Ma \times \frac{Pa}{P})$$

where Ma = the age-specific rate for each given age group  
Pa = the standard population in each given age group  
P = the total standard population, and  
Σ indicates that the results for the eleven age groups are summed.

The eleven age groups used for age adjustment are as follows: Under 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+.



This adjustment serves to control for differences in age compositions and makes comparisons between areas or time periods more appropriate. **It is important, however, not to compare age-adjusted death rates with rates adjusted to different standard populations or with unadjusted rates.**

This report uses the 2000 US population as the standard. In the 1991 to 1998 annual vital statistics reports, the 1940 US standard population was used. This makes comparisons of age-adjusted death rates with annual vital statistics reports before 1999 inappropriate. The standard population was changed to United States 2000 to be comparable with national age-adjusted death rates published by NCHS. The 1940 distribution was considered out-of-date at that time since it was representative of a younger population. For a more detailed discussion of this topic, see “Age Standardization of Death Rates: Implementation of the Year 2000 Standard.” National Vital Statistics Reports, Vol. 47, No. 3 at: [http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47\\_03.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf)

## GESTATIONAL AGE CHANGE in 2014

Beginning in 2014, Missouri adopted a new standard for estimating gestational age as recommended by NCHS (see [https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_05.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_05.pdf) ). The new measure is the obstetric estimate of gestation at delivery, replacing the formerly-used method of calculating the period between the date of last normal menses (DLNM) and the date of birth. The new method is considered more accurate according to various studies documented in the NCHS article. This change primarily affects the rate of births less than 37 weeks gestation presented in Table 10. It tends to increase the gestational age and thus substantially reduce the rate of births less than 37 weeks. The change also has a relatively slight effect on other indicators that use gestational age, including inadequate prenatal care and weight gain during full-term pregnancy. See Appendix Table B for a comparison of these indicators using the two methods of estimating gestation for 2012-2019.

**Appendix Table B**  
**Resident Rates per 100 Live Births for Four Gestational Age Indicators,**  
**Obstetric Estimate vs. Date of Last Normal Menses (DLNM): Missouri**  
**2012-2019**

	Less than 37 Weeks		Weight Gain < 15 lbs		Weight Gain 45 + lbs		Inadequate Prenatal Care	
	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM
2012	9.9	11.8	11.5	11.4	20.8	20.7	18.5	18.4
2013	9.6	11.5	11.4	11.3	21.3	21.3	18.7	18.6
2014	9.8	11.9	11.6	11.5	21.6	21.6	20.2	20.0
2015	10.0	12.0	12.1	12.1	21.0	21.0	19.4	19.3
2016	10.2	12.1	13.1	13.1	20.8	20.8	19.2	19.0
2017	10.6	12.4	13.4	13.5	20.4	20.4	20.0	19.8
2018	10.7	12.5	14.1	14.0	21.0	21.0	21.0	20.8
2019	10.9	12.7	14.5	14.5	21.0	21.0	21.1	20.9

## **MEDICAL INFORMATION ON BIRTH RECORDS**

Table 5B presents selected risk factors, obstetric procedures, characteristics of labor and delivery, methods of delivery, presence of infections, maternal health concerns, abnormal conditions of the newborn, and congenital anomalies. Many of these indicators are collected from the birth certificate by means of a check-off box system. A study conducted by MDHSS supported the belief that check-off boxes increase reporting of these data items. Starting in 2010, revisions to the check-off boxes were implemented, and the following data items are no longer collected on the birth certificate:

- Maternal Risk Factors: anemia, cardiac disease, acute or chronic lung disease, genital herpes, hydramnios/oligohydramnios, hemoglobinopathy, incompetent cervix, previous live born infant weighing 4000+ grams at birth, renal disease, Rh sensitization, uterine bleeding
- Obstetric Procedures: amniocentesis, electronic fetal monitoring, ultrasound, chorionic villus sampling (CVS)
- Characteristics of Labor: abruptio placenta, placenta previa, other excessive bleeding, seizures during labor, dysfunctional labor, cephalopelvic disproportion, cord prolapse, anesthetic complications
- Abnormal Conditions of Newborn: anemia, fetal alcohol syndrome, hyaline membrane disease, meconium aspiration syndrome

## **MEDICAID STATUS OF BIRTHS (Table 5A, Table 10)**

Another change on the 2003 revision of the US Standard Birth Certificate concerned the mother's participation in Medicaid. Prior to 2010, the birth certificate asked if the mother was on Medicaid at any time during the pregnancy. Even if the mother was not on Medicaid at the time of delivery, but had participated at some time in her pregnancy, the expected response to the question was "Yes." As of the 2010 report, Medicaid status is captured using a question about the principal payment source for the delivery. Medicaid is indicated only if the mother's delivery will be primarily paid for by Medicaid. As a result, Medicaid births will generally be fewer than in previous years.

## **ENHANCED DATA ON MATERNAL SMOKING (Table 5A, Table 10)**

The 2003 revision of the US Standard Birth Certificate contains more detailed data on mothers' smoking habits during pregnancy than the previous certificate did. Before 2010, mothers were asked about the average number of cigarettes smoked daily during the entire pregnancy. As of 2010, information on maternal smoking is captured for each trimester of pregnancy and for the three-month period prior to becoming pregnant. This allows for targeted analysis and investigation into the impact of smoking on gestational development and birth outcomes. In addition, the previous data item allowed for a mother to answer yes to smoking status but leave the average amount smoked unknown. Starting with 2010 data, if the average amount smoked for any period of smoking is unknown, then the mother's smoking status is unknown. (See "Unknowns" above.) These changes resulted in an increase in maternal smoking during pregnancy.

## **DATE OF FIRST PRENATAL VISIT AND ADEQUACY OF PRENATAL CARE (Table 10)**

Prior to 2010, only the ordinal month of the pregnancy (first month, second month, etc.) was reported to identify the beginning of prenatal care. The 2003 revision of the US Standard Birth Certificate collects the full date of the first prenatal visit. The ordinal month is then calculated based on the mother's date of last normal menses. Beginning with the 2010 report, this calculation provides results that are, on average, almost a month later in the pregnancy than previous results. This in turn results in inadequate prenatal care rates that are 50 percent higher than in prior years. The higher rates are probably more representative of the actual rate of inadequate prenatal care. In other words, the increase is likely an artifact of the less accurate reporting in the past of the month prenatal care began.

## **DEFINITIONS FOR 2010 AND LATER**

**APGAR** – An assessment of the health of an infant taken at one minute and five minutes after birth. For the 2003 revision of the US Standard Birth Certificate, the assessment is repeated at ten minutes if the score at five minutes was less than 6. Apgar scores range from 0 to 10 and are used internationally. Factors used to determine the score are: heart rate, respiratory effort, muscle tone, reflex irritability, and color. A score below 8 implies a moderately or severely depressed condition. The score used for this report is taken at five minutes after birth. The score assigned is completely at the discretion of the attending physician. As such, caution should be used in interpreting patterns of low scores by geographic area because of possible regional subjective bias. In addition, different medical personnel might assign different scores to the same child.

**Attendant** – Classification of the physician or other person in attendance at or immediately after delivery of the infant. MD: Medical Doctor; DO: Doctor of Osteopathy; CNM/CM: Certified Nurse Midwife or Certified Midwife; CPM (added in 2014): Certified Professional Midwife; Other Midwife: includes other non-certified midwives. Attendant is presented in Table 5A.

**Birth Order** – Number of previous pregnancy outcomes plus one. This differs from “live birth order” in that it includes other previous pregnancy outcomes besides live births such as abortions or miscarriages. It is used in Table 24.

**Birth Spacing: Less than 18 months** – Live births occurring to mothers who had a prior live birth within 18 months. The percent is of second and higher order births and the newborn is a singleton or is the first live birth in a multiple birth set. As of the 2010 report, the full date of the last live birth is collected, making it possible to identify prior births more than 17 months but less than 18 full months. This contributed to the percentage increase seen in 2010.

**Breastfed After Delivery (Infant Care: Breastfed After Delivery)** – Live births where the mother breastfed, or attempted to breastfeed, the baby prior to discharge from the birthing facility. This does not imply that breastfeeding was successful or that the mother intends to continue breastfeeding after discharge.

**Complication Report (table 12C)** -- Report completed by physicians performing post-abortion care upon a woman.

**Fetal Death** – Spontaneous death in utero at 20 or more completed weeks of gestation, or has a delivery weight of 350 grams or more.

FSP – Participation by mother in the Food Stamp Program during her pregnancy.

Full-term-Birth – A live birth with a gestational age of 37 or more weeks.

Gestational Age – The age of a fetus or baby in terms of the number of completed weeks spent in its mother's womb. (See GESTATIONAL AGE CHANGE in 2014 earlier in APPENDIX for more Information.)

High Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained more than 44 pounds during pregnancy.

Inadequate Prenatal Care – Fewer than five prenatal care visits for pregnancies less than 37 weeks gestation, fewer than eight visits for pregnancies 37 or more weeks, or prenatal care began after the first four months of pregnancy. Before 1994 records with unknown month prenatal care began or unknown prenatal visits were excluded. Beginning in 1994, if adequacy of prenatal care could be determined, even if month care began or number of visits was unknown, then these records were included. This is referred to as the Missouri Index of Adequacy of Prenatal Care Utilization.

Infant Death – Live born infant dying during the first year of life.

Infant Transfer – Live born infant transferred to another facility after delivery.

Live Birth Order – Number of previous babies born alive to mother, regardless of current vital status, plus one. Live birth order of one indicates first-time mother. Prior to the 2010 report, only prior live births still living were counted.

Low Birth Weight – A live birth of less than 2,500 grams (five and one-half pounds).

Low Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained less than 15 pounds during pregnancy.

Maternal Death – Death of a mother, whether while pregnant, during delivery, or up to a year after delivery, as a result of complications of pregnancy, childbirth, or puerperium (ICD-10 codes O00-O99).

Maternal Weight Gain – The amount of weight a mother gains (or loses) from prior to pregnancy to time of birth.

Maternal Weight Status Before Pregnancy – Pre-pregnancy classification as underweight, normal, overweight, or obese, based on a woman's body mass index (BMI). The BMI formula uses height and weight to calculate this measure of body fatness or thinness.

Natural Increase – Number of resident live births minus resident deaths for a given period.

Neonatal Death – Death of a live born infant during the first 27 days of life.

NICU – Neonatal Intensive Care Unit.

Non-Smoker – A live birth to a mother who indicated that she did not smoke during the three months prior to pregnancy and did not smoke during the first, second, and third trimesters of pregnancy.

In other words, the mother entered '0' for the average amount smoked for each time period. If the mother failed to provide information for any period, her smoking status is unknown.

**Non-Live Birth Outcome** – A pregnancy that did not result in a live birth (resulted in a spontaneous miscarriage, fetal death, or an induced abortion) (Table 5A).

**Out-of-Wedlock birth** – A live birth involving a mother who was unmarried at the time of conception, at the time of birth, and throughout the time between conception and birth.

**Perinatal Death** – An obstetric event that resulted in a fetal death or neonatal death.

**Prenatal Care (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trimester)** – Trimester that prenatal care began as indicated by the time between the date of last normal menses and date of first prenatal visit. All live births belong in one of five categories: 1<sup>st</sup> Trimester, 2<sup>nd</sup> Trimester, 3<sup>rd</sup> Trimester, None, Unknown.

**Poor Pregnancy Outcome** – A pregnancy of at least 20 weeks gestation that results in a perinatal death, small for gestational age live birth, or an intrauterine-growth-restricted live birth.

**Postneonatal Death** – Death occurring after the 27th day of life but before one year of life.

**Pregnancy** – An obstetric event that resulted in a live birth, fetal death, or induced abortion (Table 11).

**Preterm Birth** – A live birth of less than 37 weeks gestation.

**Principal Payment Source** – The primary source of payment of the hospital charges incurred as a result of the delivery.

**Quit Smoking (During Pregnancy)** – A live birth to a mother who indicated: (a) smoking during the first trimester but did not smoke for the second and third trimesters or (b) smoking during the first and second trimesters but did not smoke for the third trimester.

**Singleton** – A live birth resulting from a pregnancy where one and only one fetus was conceived. One surviving live birth resulting from a multiple gestation pregnancy is not considered a singleton birth.

**Small for Gestational Age** – A singleton live birth where the birth weight is at or below the 10<sup>th</sup> percentile of births of the same gender and gestational age.

**Smoked Pack Per Day** – A live birth to a mother who reported smoking an average of 20 or more cigarettes per day over the course of an entire three-trimester pregnancy. (See "Unknowns" above.)

## **CAUSE OF DEATH CLASSIFICATION AND RANKABLE CAUSES OF DEATH (Tables 18, 19, 21, 26)**

Cause of death data are analyzed and presented by the underlying cause. The underlying cause of death is defined as the disease or injury that initiated the chain of morbid events leading directly to death, or the circumstances of the accident or violence that produced the fatal injury.

The causes of death presented here are classified in accordance with the Tenth Revision of the International Classification of Diseases (ICD-10), World Health Organization. This revision is used

to classify deaths occurring in the United States on or after January 1, 1999. Comparisons with cause of death statistics from earlier years must be done with caution, since systems for classifying causes of death have changed over the years. Consequently, the mortality trend for a single disease may be distorted as a result of changes in defining and coding the cause of death. For a general measure of the extent of the changes between the ninth and tenth revisions, consult [https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\\_02.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf).

In tables presenting “leading” causes of death, selected causes of death are grouped together according to guidelines designated by NCHS into “rankable causes.” Modifications of those guidelines would produce a different picture of leading causes of death. For example, if all deaths from infectious diseases were combined into a single group instead of distributed in their current groupings, the resulting single group would have constituted the sixth leading cause of death in Missouri for 2010. Leading cause of death rankings are based on numbers of deaths, not death rates. Twenty of the current NCHS 51 rankable causes of death (each marked with an asterisk) are included in this report and listed below.

In Tables 21 and 26, which list “Selected” causes of death, the following specific causes of death, listed in prior years, were removed beginning with the 2010 report: tuberculosis, syphilis, stomach cancer, and peptic ulcer. These causes were removed due to the low incidence of deaths from those causes in Missouri. The circulatory disease groupings were simplified in the 2010 report. Also, deaths due to SIDS (ICD-10 code R95) and to pregnancy, childbirth, and the puerperium (ICD-10 codes O00-O99) were removed from tables of rankable causes because they are presented in tables of infant and maternal mortality.

Three new causes of death were added beginning with the 2010 report: enterocolitis due to *Clostridium difficile*, Parkinson’s disease, and pneumonitis due to solids and liquids. Also, two new cause groupings were added: falls and accidental poisonings. Both of these groupings were formerly included among the “other unintentional injuries” grouping. All of these causes/groupings have been added because of their striking increase in numbers since 2000. The twenty rankable and seventeen other selected causes of death and cause of death groupings presented in this report are listed below along with their ICD-10 diagnosis codes.

#### **Cause of Death Groupings Used in Tables 21 and 26.....ICD-10 Codes**

*Enterocolitis due to clostridium difficile .....	A04.7
*Septicemia .....	A40-A41
*HIV/AIDS .....	B20-B24
*Malignant neoplasms.....	C00-C97
Colon, rectum, and anus .....	C18-C21
Pancreas .....	C25
Trachea, bronchus, and lung.....	C33-C34
Breast.....	C50
Cervix uteri, corpus uteri, and ovary .....	C53-C56
Prostate .....	C61
Urinary tract.....	C64-C68
Non-Hodgkin's lymphoma .....	C82-C85
Leukemia.....	C91-C95
Other malignant neoplasms .....	Residual of C00-C97
*Diabetes mellitus .....	E10-E14
*Alzheimer's disease.....	G30
*Parkinson's disease.....	G20-G21

*Diseases of heart.....	I00-I09, I11, I13, I20-I51
*Essential hypertension.....	I10, I12
*Cerebrovascular diseases .....	I60-I69
*Influenza and pneumonia .....	J09-J18
*Chronic lower respiratory diseases.....	J40-J47
*Pneumonitis due to solids and liquids.....	J69
*Chronic liver disease and cirrhosis .....	K70, K73-K74
*Nephritis and nephrosis .....	N00-N07, N17-N19, N25-N27
*Conditions originating in perinatal period.....	P00-P96
*Congenital anomalies .....	Q00-Q99
Symptoms and ill-defined conditions, including SIDS .....	R00-R99
(Note that in 2010-2012 reports, SIDS deaths were included in All other diseases)	
All other diseases.....	Residual of A00-R99
*Unintentional injuries .....	V01-X59, Y85-Y86
Motor vehicle crashes ..	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Falls.....	W00-W19
Accidental poisoning by and exposure to noxious substances.....	X40-X49
Other unintentional injuries.....	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, W20-X39, X50-X59, Y85-Y86
*Suicide.....	X60-X84, Y87.0
*Homicide.....	X85-Y09, Y87.1
All other external causes: events of undetermined intent, legal intervention, complications of medical care, and late effects of injuries .....	
	Y10-Y36, Y40-Y84, Y87.2, Y88-Y89

\*Indicates NCHS rankable causes of death

The other 31 causes of death designated by NCHS as rankable causes but not included in this report are listed below. They are included, however, in the MOPHIMS Death MICA at <https://healthapps.dhss.mo.gov/MoPhims/MOPHIMSHome>

## Additional Cause of Death Groupings Used for Ranking by NCHS But Not in This Report

<b>Cause .....</b>	<b>ICD-10 Code</b>
Salmonella infections.....	A01-A02
Shigellosis and amebiasis.....	A03, A06
Tuberculosis.....	A16-A19
Whooping cough.....	A37
Scarlet fever and erysipelas.....	A38, A46
Meningococcal infection.....	A39
Syphilis .....	A50-A53
Acute poliomyelitis .....	A80
Arthropod-borne viral encephalitis .....	A83-A84, A85.2
Measles.....	B05
Viral hepatitis .....	B15-B19
Malaria .....	B50-B54
Benign/in situ neoplasms and neoplasms of uncertain or unknown behavior ..	D00-D48
Anemias.....	D50-D64
Nutritional deficiencies .....	E40-E64
Meningitis.....	G00, G03
Atherosclerosis .....	I70
Aortic aneurysm and dissection .....	I71
Acute bronchitis and bronchiolitis.....	J20-J21
Pneumoconiosis and chemical effects .....	J60-J66, J68
Peptic ulcer .....	K25-K28
Diseases of appendix.....	K35-K38
Hernia .....	K40-K46
Cholelithiasis and other disorders of gallbladder.....	K80-K82
Infections of kidney .....	N10-N12, N13.6, N15.1
Hyperplasia of prostate .....	N40
Inflammatory diseases of female pelvic organs .....	N70-N76
Pregnancy, childbirth, and the puerperium.....	O00-O99
Legal intervention.....	Y35, Y89.0
Operations of war and their sequelae .....	Y36, Y89.1
Complications of medical and surgical care.....	Y40-Y84, Y88

## ACCIDENTAL DEATH TABLE (Table 27)

Beginning with 2004 data, the accidental death table was updated to reflect revised ICD-10 cause of death groupings. These groupings are adapted from criteria for the “Injury Mortality Summary” provided by the Research and Statistics Department of the National Safety Council (NSC). Many of the categories were new in 2004, and even when the category name did not change, the numbers were not precisely comparable to prior years’ data because of changed definitions. Poisonings at home, in particular, were grossly underreported under the old system. The new system gives a more complete count of poisoning deaths and presents poisoning deaths due to all drugs, both prescribed and illicit.

Note that accidental deaths in Table 27 are deaths that occurred in Missouri, whether the injury occurred in Missouri or not. Tables with accidental death counts are not comparable to most of the other mortality tables because those tables display Missouri resident deaths. See “‘Resident’ and ‘Recorded’ Events” above.



Accidental death data are also categorized by the physical location where the accident occurred. A work accident is any unintentional injury death for which the “Injury at work?” checkbox on the death certificate is marked “Yes.” A home accident is any unintentional injury death occurring at any non-institutional residence including its garage and grounds. Deaths due to unintentional injury where the injury occurred anywhere else are classified as public. Beginning with the 2010 report, ICD-10 codes V87.0-V87.8, V88.0-V88.8, V89.0 and V89.2 were included in the definition for accidental Public transport: car or truck deaths. If a death falls into more than one category such as late effects of a motor vehicle crash while the decedent was at work, the order of precedence is: late effects, work, home/public.

## **Accidental Death Categories in Table 27..... ICD-10 Codes**

Grand total .....V01-X59, Y85-Y86

Work total ..... “Injury at work?” checkbox = “Yes”

Heavy transport vehicle ..... V60-V69

Other motor vehicle ..... V02-V04, V09.0, V09.2, V12-V14, V190-V19.2, V19.4-V19.6, V20-V59, V70-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Other transport .....Residual of V01-V99

Falls ..... W00-W19

Farm machinery..... W30

Other machinery ..... W31

Struck by/against object.....W20-W29, W35-W49

Electric current..... W85-W87

Other/unspecified accident ..... W32-W34, W50-W84, W88-W99, X00-X59

Home total ..... W00-X59 with place of injury code of 0

Public non-transport total ..... W00-X59 with place of injury code not 0

Falls ..... W00-W19

Machinery ..... W30-W31

Firearms ..... W32-W34

Struck by/against object.....W20-W29, W35-W49

Drowning ..... W65-W74

Choke/suffocate.....W75-W77, W78-W80, W81-W84

Excess natural heat/cold..... X30-X31

Fire/flame/smoke ..... X00-X09

Poisoning (drug/alcohol) ..... X40-X45

Poisoning (gas/other) ..... X46-X49

Other/unspecified accident .....Residual of W00-X59

Public transport total..... V01-V99

Car or truck..... V40-V69, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Pedestrian/motor vehicle ..... V02-V04, V09.0, V09.2

Pedal cyclist.....V12-V14, V19.0-V19.2, V19.4-V19.6

Motorcyclist..... V20-V29

Railroad (not w/motor vehicle) ..... V05, V15, V80.6, V81.2-V81.9

Nonroad vehicle, including ATVs.....V83-V86

Water transport..... V90-V94

Air transport..... V95-V97

Other/unspecified .....Residual of V01-V99

Late effects of accidents..... Y85-Y86

## **TOBACCO USAGE AND MORTALITY DATA (Table 28)**

Beginning in 2010, the death certificate includes a question that asks, "Did tobacco use contribute to the death?" This allows the medical certifier to make a determination as to the role of tobacco use in causing the death. This item should not be interpreted as or substituted for the decedent's smoking status at death.

Note that this is different from the "Smoking-Attributable" death estimates, which are calculated by applying likelihood percentages to all deaths with specified ICD-10 underlying cause codes based on the extent to which smoking increases the risk of dying from those particular diseases. Missouri smoking-attributable death estimates are published in the 'Leading Causes of Death' Community Data Profile available online at: <https://healthapps.dhss.mo.gov/MoPhims/ProfileBuilder?pc=10>.

## **NEW DEATH TABLE IN 2013 (Table 29)**

In 2013, a new death table was added entitled Resident Deaths by Selected Characteristics by Sex. It includes death variables that are not reported in other tables such as certifier, death place, month of death, disposition of body, marital status, education of deceased, and whether an autopsy was performed.

## **ABRIDGED LIFE TABLES (Table 30)**

The abridged life tables used beginning in 2010, were developed by MDHSS. They represent a slight change to the calculations used before 2010, which had been developed from an NCHS program using the technique of "reference to a standard table." These life tables are technically defined as "current life tables" since they are cross-sectional in nature. In other words, the 2019 tables do not represent the life expectancy of an actual cohort of all Missourians born in a particular year and followed throughout their lifetime. Rather, the current life table considers a hypothetical cohort and assumes it is subject to the age-specific mortality rates existing for a given year. This means the population figures listed in these tables are not actual population counts for Missouri. Instead, they are only theoretical. The figures are only useable for calculating age-specific life expectancy.

For further information about life expectancy tables and their methodology, go to [http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_09.pdf).

## **REVISED MARRIAGE TABLES 31-35 in 2016 (WITH SAME-SEX MARRIAGES)**

In June 2015, the United States Supreme Court ruled that same-sex couples had a right to marry, and Missouri began recording these marriages after this ruling. However, since the data was incomplete, we did not report this data in detail in 2015 (although the 726 reported same-sex marriages were included in the state totals). In 2016, data on same-sex marriages was reported in detail for the first time in Tables 31 and 33-35. Table 31 shows the number of marriages by month for male-female, female-female, and male-male marriages. In 2019 there are 456 marriages with unknown gender that are included in the state totals. Table 32 includes only male-female marriages because the same-sex numbers are too small to break out by specific age cross-tabulations. Tables 33-35 display marriages by gender by selected other variables.

## **NEW TABLES ON POST-ABORTION COMPLICATIONS (TABLE 12C)**

In 2018, a new table was added entitled Post-Abortion Complication Report Results. Since 1980, Missouri statutes have allowed health care providers (hospitals, clinics, and physicians) to complete and submit “Complication Report for post-Abortion Care” forms after treating patients for complications following induced abortions. However, reporting from this form has been very sporadic through the years. In 2017, MDHSS revised the form and the regulations related to post-abortion complications in a major effort to improve our understanding of these procedures. Table 12C shows the results of this data for the 2019 calendar year. Data collected includes the type of complication, whether the original abortion procedure was surgical or medical, and whether the patient was hospitalized. In 2019, MDHSS received 93 complication reports representing 112 complications. The post-abortion care for all of the reported complications took place in Missouri, but many of the original abortions were performed in other states. The completeness of reporting is still uncertain, and other states do not exchange this type of data with MHDSS.



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