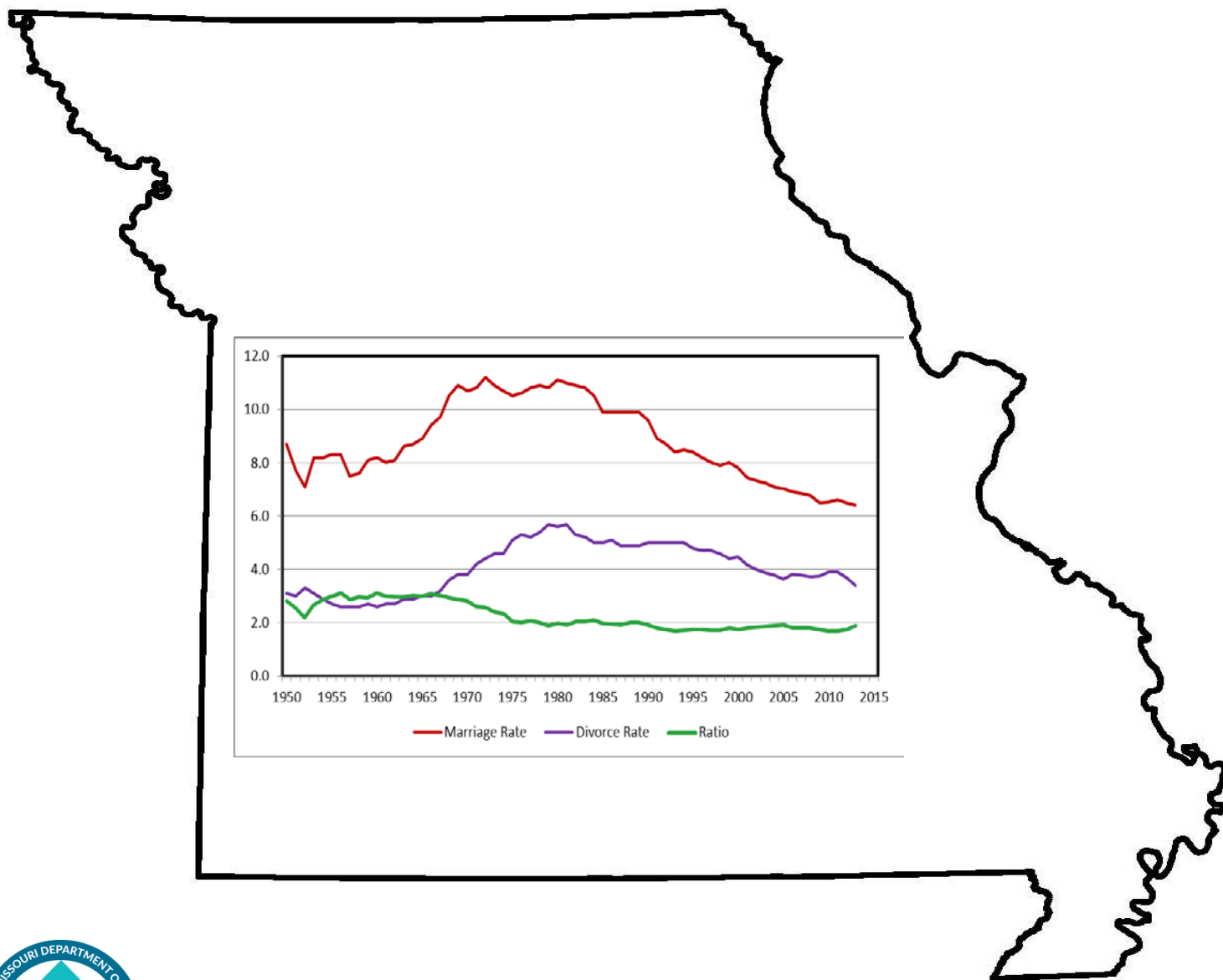


# Missouri Vital Statistics 2013



Missouri Department of  
Health and Senior Services  
**Bureau of Vital Statistics**

**MISSOURI  
VITAL STATISTICS  
2013**

MISSOURI DEPARTMENT OF HEALTH & SENIOR SERVICES

BUREAU OF VITAL STATISTICS

P.O. BOX 570  
JEFFERSON CITY  
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April 2015

## PREFACE

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.

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 society healthy and they influence our personal healthcare. Vital records and vital statistics impact our lives every day. For more than 100 years, Missouri vital records have captured a piece of the life story of every person that was born or died in Missouri.

This report presents the final tabulation of statistical data relating to vital events in Missouri during 2013. Records of live births were accepted through March 15, 2014, death and fetal death records through April 15, 2014, and marriages, dissolutions, and abortions were accepted through May 20, 2014, allowing information on 2013 events to be as complete as possible.

*Missouri Vital Statistics 2013* 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 are available on the Department of Health and Senior Services website at [health.mo.gov](http://health.mo.gov) under Data, Surveillance Systems, and Statistical Reports.

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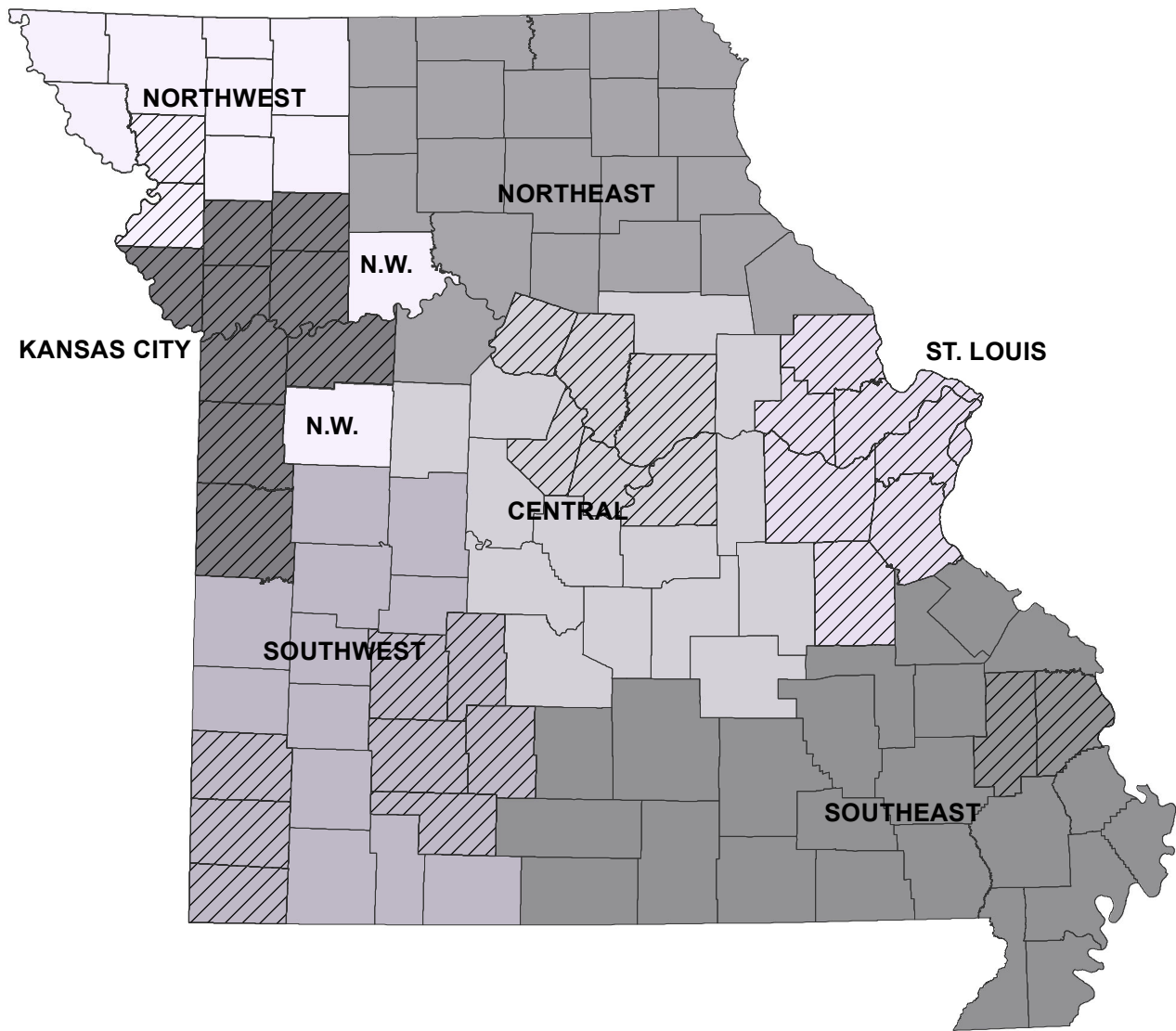
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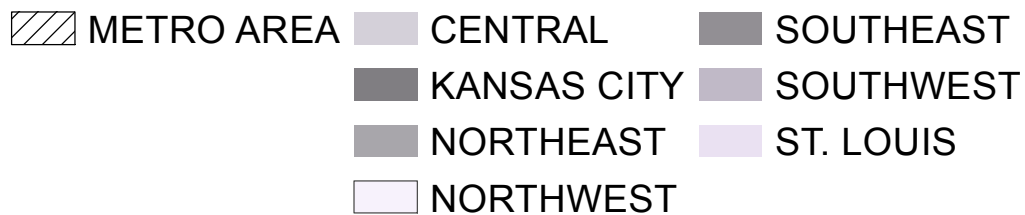
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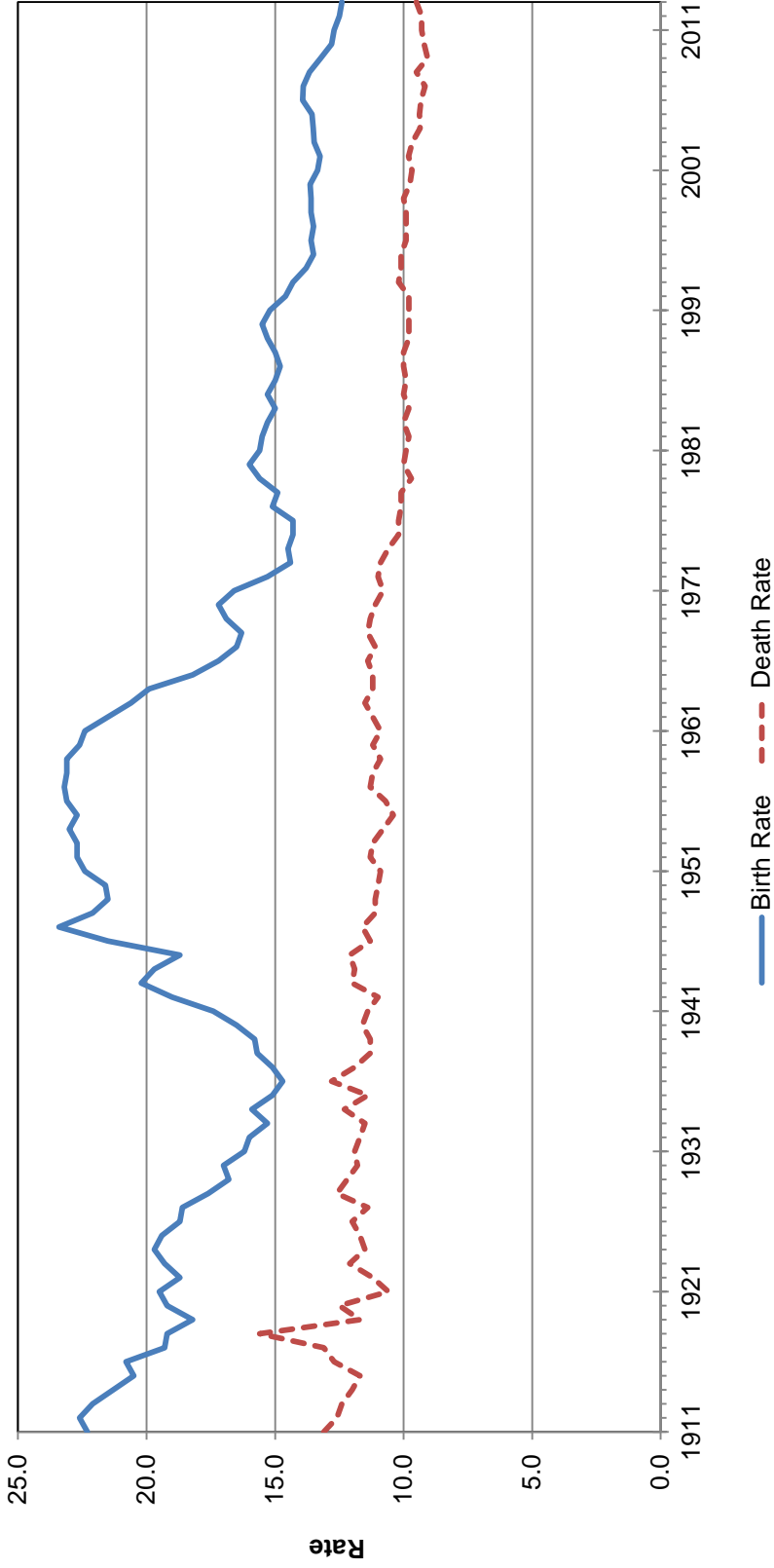
# Behavioral Risk Factor Surveillance System (BRFSS) Regions



## LEGEND



**Graph A. Live Birth and Death Rates per 1,000 Population: Missouri, 1911-2013\***



Year	Rate		Year	Rate		Year	Rate	
	Birth	Death		Birth	Death		Birth	Death
1911	22.3	13.1	1935	15.1	11.4	1960	22.6	11.2
1915	20.5	11.7	1940	16.5	11.6	1965	18.2	11.2
1920	19.2	12.5	1945	18.7	12.1	1970	17.2	11.1
1925	19.4	11.7	1950	21.6	11.0	1975	14.3	10.2
1930	17.0	11.8	1955	22.7	10.4	1980	16.0	10.0
						1985	15.3	10.0
						1990	15.5	9.8
						1995	13.5	10.1
						2000	13.6	9.8
						2005	13.6	9.4
						2010	12.8	9.2
						2011	12.7	9.3
						2012	12.5	9.3
						2013	12.4	9.5

\*1911-1944 recorded events 1945-2013 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	Births		Deaths		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.

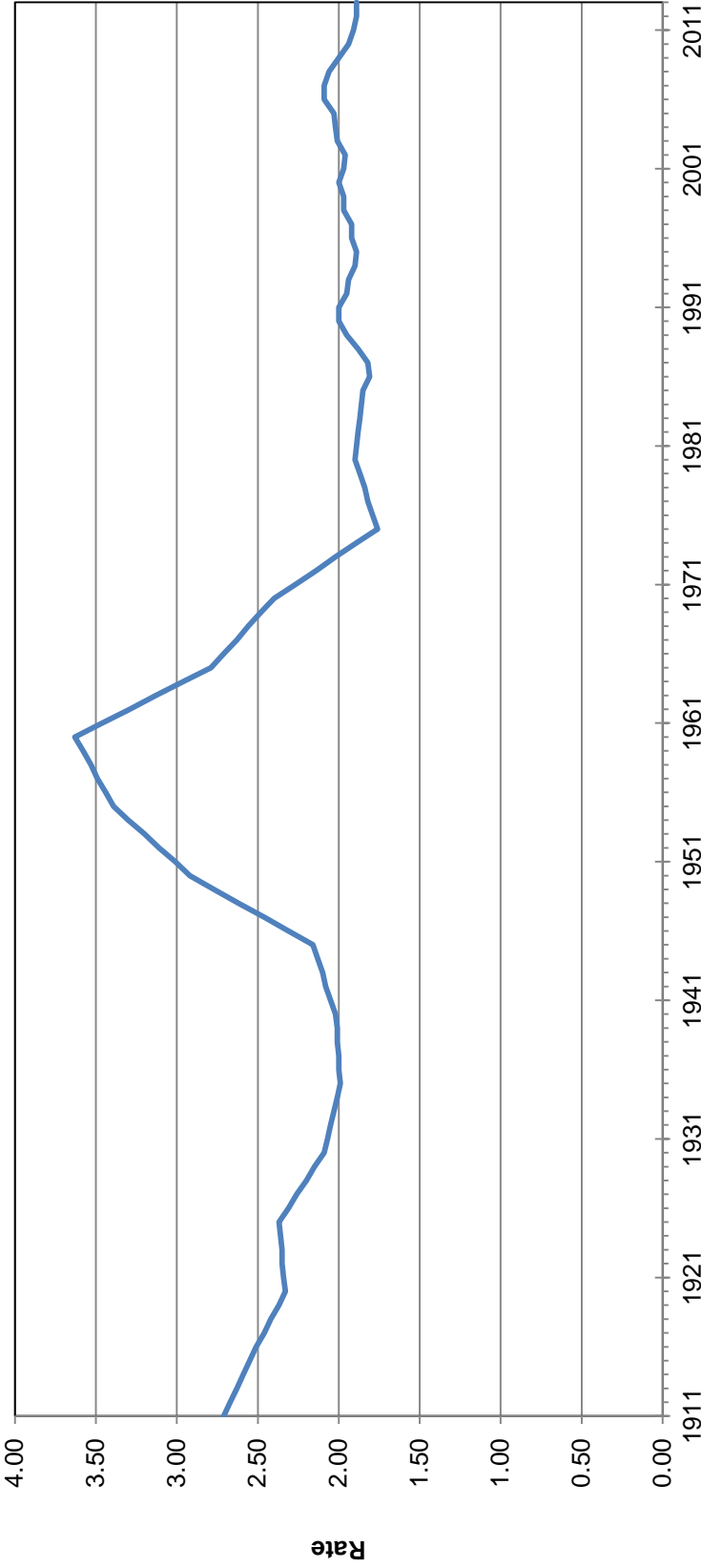
**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2013**

Year	Estimated Mid-Year Population (Thousands)	Recorded						Resident					
		Births			Deaths			Births			Deaths		
		Number	Rate	Number	Rate	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			

**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2013**

Year	Estimated Mid-Year Population (Thousands)	Recorded			Resident			Natural Increase		
		Births		Deaths		Births			Deaths	
		Number	Rate	Number	Rate	Number	Rate		Number	Rate
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
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	6,025	76,411	12.7	58,117	9.6	75,400	12.5	55,783	9.3	19,617
2013	6,044	76,390	12.6	59,456	9.8	75,244	12.4	57,256	9.5	17,988

**Graph B. Total Fertility Rates: Missouri, 1911-2013**



Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate
1911	2.71	1935	1.99	1960	3.63	1985	1.85
1915	2.55	1940	2.02	1965	2.79	1990	2.00
1920	2.33	1945	2.16	1970	2.40	1995	1.89
1925	2.37	1950	2.92	1975	1.76	2000	2.00
1930	2.09	1955	3.39	1980	1.90	2005	2.03
						2010	1.94
						2011	1.91
						2012	1.89
						2013	1.89

Table 3. Fertility Rates per 1,000 Females by Age of Mother: Missouri, 1911-2013

Year	General Fertility Rate	Age of Mother														
		Under 15	Total	15-19			20-24			25-29			30-34	35-39	40-44	45+
				15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+					
1911	93.3	0.4	48.8	---	---	---	---	134.2	133.5	109.6	77.7	33.5	33.5	3.8		
1915	88.8	0.3	50.4	---	---	---	---	136.4	126.2	97.5	67.7	27.7	27.7	3.2		
1920	80.6	0.4	49.6	---	---	---	---	129.3	113.3	85.0	59.6	25.0	25.0	3.0		
1925	81.1	0.4	56.7	---	---	---	---	129.5	120.2	83.8	57.7	22.5	22.5	2.4		
1930	71.1	0.5	54.1	---	---	---	---	115.5	103.6	79.8	46.7	18.3	18.3	2.0		
1935	68.0	0.5	52.5	---	---	---	---	116.0	96.9	69.3	43.6	16.8	16.8	1.6		
1940	69.1	0.4	54.5	---	---	---	---	123.6	104.8	69.8	37.1	13.2	13.2	1.4		
1945	73.2	0.5	50.2	---	---	---	---	121.7	114.2	81.4	47.5	14.9	14.9	1.2		
1950	98.6	0.9	82.6	---	---	---	---	189.5	153.4	95.2	48.1	14.0	14.0	1.0		
1955	112.3	0.8	95.3	---	---	---	---	229.0	174.2	106.9	55.7	15.2	15.2	1.0		
1960	118.1	0.9	99.0	---	---	---	---	254.4	187.5	110.5	56.5	16.5	16.5	1.0		
1965	93.0	0.9	75.1	---	---	---	---	188.7	146.5	87.1	45.0	13.5	13.5	0.8		
1970	85.6	1.1	71.8	---	---	---	---	163.3	137.2	67.7	30.1	8.8	8.8	0.5		
1975	65.9	1.3	60.0	41.1	89.0	110.1	106.6	110.1	106.6	51.1	18.8	4.6	4.6	0.2		
1980	70.6	1.2	57.5	35.6	88.0	121.9	116.9	121.9	116.9	60.5	18.3	3.7	3.7	0.2		
1985	66.4	1.2	52.4	30.5	83.8	115.9	113.0	115.9	113.0	63.4	19.7	3.2	3.2	0.2		
1990	67.9	1.2	62.7	39.2	92.9	118.9	117.3	118.9	117.3	70.5	25.3	4.1	4.1	0.1		
1995	61.0	1.1	55.1	32.3	91.2	108.3	108.9	108.3	108.9	72.4	27.6	4.5	4.5	0.2		
1996	61.5	0.9	53.2	30.8	88.8	111.7	110.6	111.7	110.6	74.1	28.5	4.9	4.9	0.2		
1997	61.1	0.8	49.9	29.4	85.6	111.3	112.7	111.3	112.7	75.0	29.6	5.1	5.1	0.2		
1998	62.3	0.7	51.1	28.7	85.3	113.9	114.4	113.9	114.4	76.9	30.5	5.4	5.4	0.2		
1999	62.5	0.7	49.6	26.9	83.2	114.2	115.8	114.2	115.8	78.5	30.4	5.5	5.5	0.3		
2000	63.3	0.7	48.6	26.7	80.4	115.2	115.4	115.2	115.4	82.9	31.4	5.8	5.8	0.4		
2001	62.5	0.6	45.9	23.2	79.9	109.3	117.8	109.3	117.8	83.2	31.9	5.7	5.7	0.3		
2002	62.6	0.6	43.7	21.9	76.6	108.3	116.4	108.3	116.4	84.2	33.1	5.9	5.9	0.4		
2003	64.2	0.6	42.7	21.2	74.8	109.4	122.0	109.4	122.0	86.3	34.0	6.1	6.1	0.3		
2004	65.0	0.7	42.8	21.4	74.4	108.4	121.4	108.4	121.4	87.1	36.2	6.4	6.4	0.4		
2005	65.8	0.5	41.6	20.6	73.4	110.1	123.4	110.1	123.4	87.0	36.3	6.4	6.4	0.3		
2006	68.2	0.5	44.0	22.4	77.0	114.4	124.8	114.4	124.8	89.3	37.1	6.6	6.6	0.4		
2007	68.8	0.5	44.0	21.2	78.7	115.1	124.6	115.1	124.6	90.0	36.7	6.5	6.5	0.4		
2008	68.4	0.5	43.5	21.3	75.8	111.3	122.1	111.3	122.1	90.4	36.5	6.8	6.8	0.4		
2009	66.8	0.4	40.6	19.4	70.4	107.5	117.5	107.5	117.5	89.9	36.3	6.7	6.7	0.3		
2010	65.2	0.4	37.0	17.0	65.0	100.0	116.6	100.0	116.6	90.2	36.0	7.2	7.2	0.4		
2011	64.7	0.3	34.5	15.8	61.2	96.4	115.2	96.4	115.2	91.0	37.4	7.3	7.3	0.3		
2012	64.3	0.4	32.2	13.8	59.0	93.3	115.1	93.3	115.1	91.3	37.8	7.5	7.5	0.4		
2013	64.2	0.2	29.6	12.5	54.5	91.3	115.6	91.3	115.6	94.2	39.3	7.0	7.0	0.4		





**Table 4. Age-Specific Death Rates per 1,000 Population: Missouri, 1911-2013**

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
1991	9.4	10.2	0.5	0.3	1.1	1.4	2.1	4.7	12.2	26.9	59.9	150.2
1992	9.3	8.5	0.5	0.3	1.1	1.4	2.2	4.5	12.0	26.6	59.8	148.8
1993	9.7	8.4	0.5	0.2	1.1	1.4	2.1	4.6	12.2	27.4	62.9	159.1
1994	9.6	8.1	0.4	0.2	1.2	1.4	2.2	4.8	11.9	26.8	60.8	159.3
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	51.1	144.3
2012	8.0	6.6	0.3	0.2	0.8	1.3	2.0	4.7	9.4	20.1	50.2	141.4
2013	8.0	6.5	0.3	0.2	0.8	1.2	2.1	4.7	9.8	20.1	50.6	142.9

\*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, 2013**

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Total</b>	75,244	56,244	10,771	4,254	3,931
<b>Gender</b>					
Male	38,367	28,777	5,380	2,162	2,024
Female	36,877	27,467	5,391	2,092	1,907
<b>Attendant</b>					
MD	61,236	44,832	9,781	3,491	3,092
DO	10,351	8,446	830	565	508
CNM/CM	2,486	1,877	137	166	305
Other Midwife	774	741	2	17	13
Other	397	348	21	15	13
<b>Birthplace</b>					
Hospital	73,740	54,858	10,732	4,211	3,896
Birthing Center	297	272	6	10	9
Clinic	37	37	0	0	0
Home Residence	1,093	1,018	24	27	23
...Planned	1,005	955	6	24	19
...Unplanned	82	58	18	3	3
Other	77	59	9	6	3
<b>Month of Birth</b>					
January	6,077	4,444	977	357	297
February	5,530	4,100	837	294	297
March	6,174	4,669	832	336	332
April	5,972	4,538	792	341	300
May	6,304	4,747	882	341	330
June	6,178	4,608	848	383	335
July	6,778	5,095	980	378	321
August	6,846	5,095	1,014	352	378
September	6,516	4,878	933	381	322
October	6,530	4,906	879	384	355
November	5,929	4,489	801	313	325
December	6,410	4,675	996	394	339
<b>Number Born</b>					
Singleton	72,511	54,188	10,319	4,147	3,815
Twin	2,623	1,962	442	107	110
Triplet	102	90	6	0	6
Quadruplet or More	8	4	4	0	0

\*\*: Includes Births from Mothers of Multiple Races

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Previous Non-Live Birth Outcomes</b>					
None	52,743	39,922	6,877	3,057	2,863
One	14,200	10,389	2,359	744	700
Two or More	7,555	5,375	1,447	401	323
Unknown	746	558	88	52	45
<b>Maternal Smoking</b>					
Non-smoker	56,790	41,281	8,666	3,393	3,424
3 Months Prior	17,736	14,543	1,914	814	464
During Pregnancy	13,155	10,800	1,442	622	290
...First Trimester	12,765	10,517	1,373	598	276
...Second Trimester	10,885	9,066	1,094	505	220
...Last 3 Months	10,284	8,600	1,013	470	201
...Smoked Pack per Day	1,842	1,545	194	73	30
...Quit Smoking	2,840	2,179	422	150	88
Status Unknown	561	321	147	37	39
<b>Full-Term Singleton, Maternal Weight Gain</b>					
Less than 15 Pounds	7,045	4,837	1,322	406	476
15 to 24 Pounds	10,378	7,603	1,507	607	659
25 to 34 Pounds	17,198	13,350	1,939	1,013	893
35 to 44 Pounds	14,496	11,364	1,650	830	648
45 or More Pounds	13,284	10,279	1,779	674	543
Unknown	2,878	1,994	489	193	189
<b>Maternal Weight Status Before Pregnancy</b>					
Underweight	3,110	2,339	370	286	115
Normal	34,740	27,055	3,887	2,230	1,553
Overweight	17,703	13,048	2,725	873	1,053
Obese	18,423	13,107	3,548	789	970
<b>Principal Payment Source</b>					
Medicaid	31,809	20,031	7,859	1,856	2,047
Private Insurance	37,626	32,143	2,392	1,991	1,083
Self-pay	2,643	1,922	146	189	382
Other	1,833	1,116	213	152	349
Unknown	1,333	1,032	161	66	70

**Table 5B. Resident Live Births by Selected Obstetric, Pediatric, and Maternal Conditions and Procedures: Missouri, 2013**

	Number	Percent
<u>Live Births</u>	75,244	100.0
<u>Pregnancy Risk Factors</u>	20,575	27.3
...Pregnancy Diabetes	528	0.7
...Gestational Diabetes	3,816	5.1
...Insulin-dependent Diabetes	592	0.8
...Pregnancy Hypertension	1,448	1.9
...Gestational Hypertension	4,287	5.7
...Eclampsia	323	0.4
...Previous Preterm Births	2,329	3.1
...Other Poor Pregnancy Outcomes	1,241	1.6
...Infertility Treatment	877	1.2
...Previous Cesarean Delivery	10,381	13.8
<u>Infections</u>	2,298	3.1
...Gonorrhea	285	0.4
...Syphilis	37	0.0
...Chlamydia	1,680	2.2
...Hepatitis B	102	0.1
...Hepatitis C	375	0.5
...HIV	39	0.1
<u>Obstetric Procedures</u>	1,368	1.8
...Cervical Cerclage	260	0.3
...Tocolysis	1,019	1.4
...External Cephalic Version	160	0.2
....Successful*	75	46.9
<u>Onset of Labor</u>	6,518	8.7
...Premature Membrane Rupture	2,621	3.5
...Precipitous Labor	3,098	4.1
...Prolonged Labor	1,028	1.4

	Number	Percent
<u>Characteristics of Labor</u>	65,556	87.1
...Induction of Labor	23,985	31.9
...Augmentation of Labor	17,749	23.6
...Non-vertex Presentation	1,209	1.6
...Steroids for Lung Maturation	1,421	1.9
...Antibiotics for Mother	16,858	22.4
...Clinical Chorioamnionitis	975	1.3
...Meconium Staining	4,044	5.4
...Fetal Intolerance of Labor	3,470	4.6
...Epidural Given	57,664	76.6
<u>Final Delivery Route and Method</u>		
...Vaginal/Spontaneous	48,838	64.9
...Vaginal/Forceps	613	0.8
...Vaginal/Vacuum	2,187	2.9
...Cesarean	23,317	31.0
....Vaginal Trial Prior to Cesarean**	7,411	31.8
...Attempted Forceps	302	0.4
...Attempted Vacuum	585	0.8
...Vaginal After Previous Cesarean (VBAC)***	1,358	13.1
<u>Fetal Presentation:</u>		
...Cephalic	70,032	93.1
...Breech	3,020	4.0
...Other	708	0.9

	Number	Percent
<u>Abnormal Conditions of Newborn</u>	7,643	10.2
...Assisted Ventilation, immediate	3,944	5.2
...Assisted Ventilation, Long-term	1,270	1.7
...NICU Admission	5,120	6.8
...Surfactant Therapy	505	0.7
...Antibiotics for Suspected Sepsis	1,828	2.4
...Seizures or Neurological Problems	34	0.0
...Birth Injury	62	0.1
<u>Congenital Anomalies</u>	359	0.5
...Anencephaly	10	0.0
...Spina Bifida	16	0.0
...Cyanotic Heart Disease	56	0.1
...Diaphragmatic Hernia	22	0.0
...Omphalocele	7	0.0
...Gastrochisis	35	0.0
...Limb Reduction	7	0.0
...Cleft Lip (with or without Cleft Palate)	46	0.1
...Cleft Palate (alone)	25	0.0
...Down Syndrome	40	0.1
...Other Chromosomal	29	0.0
...Hypospadias	87	0.1
<u>Maternal Morbidity</u>	1,075	1.4
...Maternal Transfusion	239	0.3
...Perinatal Laceration (3rd or 4th degree)	606	0.8
...Ruptured Uterus	38	0.1
...Unplanned Hysterectomy	34	0.0
...Admission to ICU	107	0.1
...Unplanned OR Procedure	187	0.2

\* : Percent of 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, 2013**

	All Live Births						Out-of-Wedlock Births					
	Live Birth Order						Live Birth Order					
	Total	1st	2nd	3rd	4th	5th or More	Total	1st	2nd	3rd	4th	5th or More
<b>All Races</b>	75,244	29,423	23,622	12,846	5,426	3,927	30,360	14,146	8,198	4,485	2,063	1,468
Under 15	43	43	0	0	0	0	43	43	0	0	0	0
15-17	1,456	1,358	87	10	1	0	1,393	1,310	74	9	0	0
18-19	4,356	3,453	770	113	15	5	3,729	3,010	617	87	11	4
20-24	19,419	9,653	6,395	2,451	690	230	12,416	6,444	3,897	1,483	453	139
25-29	23,168	8,412	7,702	4,306	1,786	962	7,398	2,137	2,310	1,685	783	483
30-34	18,439	4,869	6,317	3,979	1,865	1,409	3,671	839	937	813	564	518
35-39	6,944	1,372	2,033	1,680	888	971	1,391	297	302	331	209	252
40-44	1,340	245	296	294	176	329	302	59	56	74	43	70
45 and Over	69	14	17	12	5	21	10	4	2	2	0	2
Unknown	10	4	5	1	0	0	7	3	3	1	0	0
<b>White, Non-Hispanic</b>	56,244	22,415	18,234	9,438	3,707	2,450	18,445	9,323	5,031	2,449	1,042	600
Under 15	10	10	0	0	0	0	10	10	0	0	0	0
15-17	865	813	46	5	1	0	818	778	36	4	0	0
18-19	2,920	2,350	501	59	7	3	2,379	1,967	369	37	4	2
20-24	13,559	6,979	4,507	1,573	400	100	7,625	4,226	2,378	771	205	45
25-29	17,915	6,972	6,090	3,116	1,189	548	4,476	1,495	1,444	922	411	204
30-34	14,709	4,029	5,258	3,187	1,333	902	2,165	588	581	481	291	224
35-39	5,241	1,066	1,595	1,278	645	657	793	215	184	184	108	102
40-44	974	185	223	212	128	226	172	40	37	49	23	23
45 and Over	46	9	11	8	4	14	4	2	1	1	0	0
Unknown	5	2	3	0	0	0	3	2	1	0	0	0
<b>Black, Non-Hispanic</b>	10,771	3,866	2,960	2,002	1,034	909	8,415	3,333	2,253	1,487	729	613
Under 15	22	22	0	0	0	0	22	22	0	0	0	0
15-17	339	308	27	4	0	0	337	306	27	4	0	0
18-19	918	704	174	36	3	1	900	693	169	34	3	1
20-24	3,930	1,751	1,263	618	211	87	3,578	1,619	1,140	557	195	67
25-29	2,912	647	883	722	371	289	2,102	458	603	553	264	224
30-34	1,725	293	425	403	292	312	1,019	169	232	232	186	200
35-39	746	112	158	180	132	164	383	56	72	91	71	93
40-44	169	27	27	37	24	54	68	9	8	14	10	27
45 and Over	7	1	2	1	1	2	4	1	1	1	0	1
Unknown	3	1	1	1	0	0	2	0	1	1	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, 2013**

	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>	5,855	4,854	857	144	5,165	4,363	691	111	88.2	89.9	80.6	77.1
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	1	1	0	0	1	1	0	0	100.0	100.0	---	---
	13	10	10	0	0	10	10	0	0	100.0	100.0	---	---
	14	32	32	0	0	32	32	0	0	100.0	100.0	---	---
	15	151	149	2	0	149	147	2	0	98.7	98.7	100.0	---
	16	403	380	22	1	388	365	22	1	96.3	96.1	100.0	100.0
	17	902	829	63	10	856	798	50	8	94.9	96.3	79.4	80.0
	18	1,671	1,399	233	39	1,490	1,260	196	34	89.2	90.1	84.1	87.2
	19	2,685	2,054	537	94	2,239	1,750	421	68	83.4	85.2	78.4	72.3
	<b>All Ages</b>	3,795	3,173	547	75	3,207	2,755	405	47	84.5	86.8	74.0	62.7
<b>White, Non-Hispanic</b>	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	0	0	0	0	0	0	0	0	---	---	---	---
	14	10	10	0	0	10	10	0	0	100.0	100.0	---	---
	15	79	78	1	0	77	76	1	0	97.5	97.4	100.0	---
	16	211	201	9	1	203	193	9	1	96.2	96.0	100.0	100.0
	17	575	534	36	5	538	509	26	3	93.6	95.3	72.2	60.0
	18	1,106	951	137	18	952	830	108	14	86.1	87.3	78.8	77.8
	19	1,814	1,399	364	51	1,427	1,137	261	29	78.7	81.3	71.7	56.9
	<b>All Ages</b>	1,279	1,034	201	44	1,259	1,021	196	42	98.4	98.7	97.5	95.5
<b>Black, Non-Hispanic</b>	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	17	17	0	0	17	17	0	0	100.0	100.0	---	---
	15	47	46	1	0	47	46	1	0	100.0	100.0	100.0	---
	16	111	102	9	0	110	101	9	0	99.1	99.0	100.0	---
	17	181	160	17	4	180	159	17	4	99.4	99.4	100.0	100.0
	18	371	296	60	15	365	293	57	15	98.4	99.0	95.0	100.0
	19	547	408	114	25	535	400	112	23	97.8	98.0	98.2	92.0

**Table 8. Percent Resident Low Birth Weight and Resident Live Births by Birth Weight by Race and Age of Mother: Missouri, 2013**

	Percent Low Birth Weight	Total	Birth Weight (Grams)											
			Less Than 500	500-999	1000-1499	1500-1999	2000-2499	2500-2999	3000-3499	3500-3999	4000-4499	4500 or More	Unknown	
<b>All Races</b>	8.0	75,244	141	381	515	1,187	3,822	13,207	28,743	20,791	5,492	873	92	
Under 15	11.6	43	0	1	0	1	3	10	19	7	2	0	0	
15-17	10.0	1,456	5	15	14	20	92	311	604	331	57	6	1	
18-19	9.9	4,356	14	28	32	85	270	946	1,792	942	214	30	3	
20-24	8.7	19,419	39	124	138	328	1,066	3,894	7,824	4,765	1,078	141	22	
25-29	7.3	23,168	36	94	153	311	1,100	3,907	8,843	6,678	1,744	273	29	
30-34	7.1	18,439	28	71	111	282	823	2,795	6,739	5,617	1,670	279	24	
35-39	8.9	6,944	18	31	52	130	384	1,080	2,451	2,053	607	127	11	
40 and Over	10.3	1,409	1	17	15	29	83	263	467	395	120	17	2	
<b>White,</b>	7.0	56,244	61	223	327	805	2,512	8,822	21,251	16,830	4,614	729	70	
<b>Non-Hispanic</b>	10.0	10	0	1	0	0	0	2	3	3	1	0	0	
Under 15	9.4	865	2	11	9	8	51	156	346	230	46	5	1	
15-17	8.5	2,920	4	12	16	53	162	556	1,211	705	176	22	3	
18-19	7.5	13,559	14	69	76	208	643	2,434	5,456	3,665	869	111	14	
20-24	6.5	17,915	13	57	105	223	758	2,737	6,770	5,514	1,486	231	21	
25-29	6.3	14,709	17	46	79	209	580	2,020	5,312	4,741	1,441	242	22	
30-34	7.9	5,241	11	18	34	86	266	745	1,815	1,658	497	104	7	
35-39	8.5	1,020	0	9	8	18	52	172	335	312	98	14	2	
40 and Over	14.0	10,771	62	120	140	272	911	2,775	4,137	1,935	346	62	11	
<b>Black,</b>	18.2	22	0	0	0	1	3	7	8	2	1	0	0	
<b>Non-Hispanic</b>	13.6	339	2	1	2	8	33	88	148	52	4	1	0	
Under 15	14.4	918	9	12	8	24	79	290	345	134	14	3	0	
15-17	14.1	3,930	20	47	50	98	337	1,083	1,542	640	90	19	4	
18-19	13.0	2,912	17	28	35	60	239	710	1,123	571	104	22	3	
20-24	14.0	1,725	9	18	28	48	138	395	631	366	80	11	1	
25-29	15.7	746	5	9	13	26	64	162	275	139	44	6	3	
30-34	18.8	176	0	5	4	7	17	39	65	30	9	0	0	
35-39														
40 and Over														

**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, 2013**

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
		75,244	56,244		10,771	30,360		18,445	8,415
State Total	75,244	56,244	10,771	30,360	18,445	8,415	40.3	32.8	78.1
Adair	250	237	2	81	77	1	32.4	32.5	50.0
Andrew	195	182	1	65	60	0	33.3	33.0	0.0
Atchison	60	59	0	19	19	0	31.7	32.2	---
Audrain	326	290	20	138	112	15	42.3	38.6	75.0
Barry	402	330	1	155	122	0	38.6	37.0	0.0
Barton	141	132	2	68	61	1	48.2	46.2	50.0
Bates	198	188	0	82	77	0	41.4	41.0	---
Benton	138	136	0	61	60	0	44.2	44.1	---
Bollinger	121	119	0	41	41	0	33.9	34.5	---
Boone	2,166	1,621	254	704	417	202	32.5	25.7	79.5
Buchanan	1,154	943	52	620	479	40	53.7	50.8	76.9
Butler	580	518	24	275	237	17	47.4	45.8	70.8
Caldwell	84	79	0	29	25	0	34.5	31.6	---
Callaway	525	474	19	214	187	15	40.8	39.5	78.9
Camden	384	349	1	153	137	1	39.8	39.3	100.0
Cape Girardeau	942	768	108	392	277	83	41.6	36.1	76.9
Carroll	123	119	0	42	40	0	34.1	33.6	---
Carter	93	91	0	38	38	0	40.9	41.8	---
Cass	1,231	1,065	39	439	363	19	35.7	34.1	48.7
Cedar	162	158	0	51	50	0	31.5	31.6	---
Chariton	104	100	0	26	24	0	25.0	24.0	---
Christian	980	903	7	250	225	2	25.5	24.9	28.6
Clark	75	75	0	30	30	0	40.0	40.0	---
Clay	3,043	2,419	235	1,014	708	144	33.3	29.3	61.3
Clinton	203	191	0	77	69	0	37.9	36.1	---
Cole	946	702	162	376	226	115	39.7	32.2	71.0
Cooper	205	192	5	91	82	4	44.4	42.7	80.0
Crawford	311	290	1	130	121	1	41.8	41.7	100.0
Dade	62	57	0	18	15	0	29.0	26.3	---
Dallas	209	200	0	68	62	0	32.5	31.0	---
Davies	107	105	0	28	28	0	26.2	26.7	---
DeKalb	104	100	0	39	39	0	37.5	39.0	---
Dent	180	174	0	65	64	0	36.1	36.8	---
Douglas	140	130	0	46	40	0	32.9	30.8	---

**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, 2013**

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
		Non-Hispanic	Non-Hispanic		Non-Hispanic	Non-Hispanic		Non-Hispanic	Non-Hispanic
Dunklin	469	329	79	265	158	68	56.5	48.0	86.1
Franklin	1,229	1,158	11	453	416	8	36.9	35.9	72.7
Gasconade	183	176	0	62	60	0	33.9	34.1	---
Gentry	88	87	0	21	21	0	23.9	24.1	---
Greene	3,506	3,044	85	1,280	1,055	56	36.5	34.7	65.9
Grundy	163	155	0	53	50	0	32.5	32.3	---
Harrison	122	117	0	42	42	0	34.4	35.9	---
Henry	250	234	0	100	92	0	40.0	39.3	---
Hickory	59	56	0	20	18	0	33.9	32.1	---
Holt	52	49	0	17	17	0	32.7	34.7	---
Howard	124	114	6	47	40	6	37.9	35.1	100.0
Howell	508	489	2	207	196	2	40.7	40.1	100.0
Iron	91	86	2	44	42	0	48.4	48.8	0.0
Jackson	9,478	5,071	2,629	4,795	1,749	2,097	50.6	34.5	79.8
Jasper	1,686	1,340	21	733	556	17	43.5	41.5	81.0
Jefferson	2,639	2,520	24	994	933	15	37.7	37.0	62.5
Johnson	714	602	24	174	145	9	24.4	24.1	37.5
Knox	57	56	0	13	13	0	22.8	23.2	---
Laclede	441	405	7	184	168	2	41.7	41.5	28.6
Lafayette	361	324	7	159	138	5	44.0	42.6	71.4
Lawrence	498	435	0	181	156	0	36.3	35.9	---
Lewis	117	107	6	38	32	5	32.5	29.9	83.3
Lincoln	736	674	11	292	253	6	39.7	37.5	54.5
Linn	144	140	1	49	48	1	34.0	34.3	100.0
Livingston	165	156	2	58	54	1	35.2	34.6	50.0
McDonald	315	204	15	152	95	7	48.3	46.6	46.7
Macon	198	188	3	68	62	2	34.3	33.0	66.7
Madison	136	133	0	60	58	0	44.1	43.6	---
Maries	62	59	1	22	19	1	35.5	32.2	100.0
Marion	389	352	25	168	138	23	43.2	39.2	92.0
Mercer	34	34	0	10	10	0	29.4	29.4	---
Miller	303	294	0	103	97	0	34.0	33.0	---
Mississippi	159	99	53	107	54	50	67.3	54.5	94.3
Moniteau	220	207	0	69	61	0	31.4	29.5	---
Monroe	91	87	1	36	33	1	39.6	37.9	100.0



**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, 2013**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic		All Races	White, Non-Hispanic		All Races	White, Non-Hispanic	
		Black, Non-Hispanic	Black, Non-Hispanic		Black, Non-Hispanic	Black, Non-Hispanic			
Montgomery	128	125	0	70	67	0	54.7	53.6	---
Morgan	236	225	0	68	62	0	28.8	27.6	---
New Madrid	274	195	62	163	96	55	59.5	49.2	88.7
Newton	708	558	3	256	183	1	36.2	32.8	33.3
Nodaway	235	226	0	69	68	0	29.4	30.1	---
Oregon	124	116	0	54	51	0	43.5	44.0	---
Osage	150	147	0	43	42	0	28.7	28.6	---
Ozark	81	79	0	31	30	0	38.3	38.0	---
Pemiscot	301	183	103	197	99	90	65.4	54.1	87.4
Perry	231	223	1	87	83	1	37.7	37.2	100.0
Pettis	559	454	15	228	184	7	40.8	40.5	46.7
Phelps	531	454	12	185	167	6	34.8	36.8	50.0
Pike	196	175	6	80	65	6	40.8	37.1	100.0
Platte	1,142	898	81	327	236	40	28.6	26.3	49.4
Polk	407	379	0	128	121	0	31.4	31.9	---
Pulaski	834	580	82	198	136	31	23.7	23.4	37.8
Putnam	59	58	1	24	23	1	40.7	39.7	100.0
Ralls	102	99	1	28	28	0	27.5	28.3	0.0
Randolph	290	269	8	124	114	7	42.8	42.4	87.5
Ray	248	228	1	99	93	0	39.9	40.8	0.0
Reynolds	61	58	0	27	26	0	44.3	44.8	---
Ripley	177	170	0	83	79	0	46.9	46.5	---
St. Charles	4,548	3,880	206	1,182	932	120	26.0	24.0	58.3
St. Clair	95	92	0	44	42	0	46.3	45.7	---
St. Francois	743	699	8	334	314	3	45.0	44.9	37.5
Ste. Genevieve	174	170	0	61	58	0	35.1	34.1	---
St. Louis City	4,694	1,632	2,529	2,842	432	2,162	60.5	26.5	85.5
St. Louis County	11,510	6,583	3,573	4,473	1,332	2,741	38.9	20.2	76.7
Saline	293	230	6	141	105	4	48.1	45.7	66.7
Schuyler	65	63	0	22	20	0	33.8	31.7	---
Scotland	82	81	0	14	14	0	17.1	17.3	---
Scott	524	406	98	236	146	83	45.0	36.0	84.7
Shannon	94	92	0	46	46	0	48.9	50.0	---
Shelby	64	63	0	21	21	0	32.8	33.3	---
Stoddard	360	341	3	147	137	3	40.8	40.2	100.0

**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, 2013**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White,	Black,	All Races	White,	Black,	All Races	White,	Black,
		Non-Hispanic	Non-Hispanic		Non-Hispanic	Non-Hispanic		Non-Hispanic	Non-Hispanic
Stone	268	251	0	101	93	0	37.7	37.1	---
Sullivan	92	57	1	38	26	1	41.3	45.6	100.0
Taney	595	513	2	261	222	1	43.9	43.3	50.0
Texas	301	280	1	100	89	0	33.2	31.8	0.0
Vernon	275	264	0	106	103	0	38.5	39.0	---
Warren	399	351	15	178	151	10	44.6	43.0	66.7
Washington	300	293	0	146	142	0	48.7	48.5	---
Wayne	157	146	5	69	64	0	43.9	43.8	0.0
Webster	539	526	0	131	122	0	24.3	23.2	---
Worth	22	22	0	8	8	0	36.4	36.4	---
Wright	245	233	0	89	82	0	36.3	35.2	---

Multi-County Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White,	Black,	All Races	White,	Black,	All Races	White,	Black,
		Non-Hispanic	Non-Hispanic		Non-Hispanic	Non-Hispanic		Non-Hispanic	Non-Hispanic
Joplin	695	568	13	314	248	11	45.2	43.7	84.6
...Jasper Co. Part	625	515	12	292	235	10	46.7	45.6	83.3
...Newton Co. Part	70	53	1	22	13	1	31.4	24.5	100.0
Kansas City	7,258	3,434	2,377	3,598	985	1,871	49.6	28.7	78.7
...Jackson Co. Part	4,758	1,565	2,112	2,823	508	1,716	59.3	32.5	81.3
...Clay Co. Part	1,886	1,432	195	601	374	119	31.9	26.1	61.0
...Platte Co. Part	611	434	70	174	103	36	28.5	23.7	51.4
...Cass Co. Part	3	3	0	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, 2013**

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	322	275	7	44	33	4	13.7	12.0	57.1
Blue Springs	636	524	34	215	163	19	33.8	31.1	55.9
Cape Girardeau	496	341	100	254	145	79	51.2	42.5	79.0
Chesterfield	363	267	14	35	18	7	9.6	6.7	50.0
Columbia	1,444	1,002	204	442	230	157	30.6	23.0	77.0
Florissant	615	340	230	284	114	150	46.2	33.5	65.2
Gladstone	313	243	24	137	97	15	43.8	39.9	62.5
Hazelwood	335	138	155	173	47	101	51.6	34.1	65.2
Independence	1,504	1,086	127	804	536	105	53.5	49.4	82.7
Jefferson City	603	395	142	270	138	104	44.8	34.9	73.2
Kirkwood	313	265	30	50	27	21	16.0	10.2	70.0
Lee's Summit	1,136	936	91	291	199	58	25.6	21.3	63.7
Liberty	314	262	9	94	78	3	29.9	29.8	33.3
Maryland Heights	406	242	57	119	66	35	29.3	27.3	61.4
O'Fallon	1,159	983	46	258	215	19	22.3	21.9	41.3
Raytown	367	197	103	190	76	80	51.8	38.6	77.7
St. Charles	761	586	57	245	168	38	32.2	28.7	66.7
St. Joseph	1,047	839	51	594	453	40	56.7	54.0	78.4
St. Louis City	4,694	1,632	2,529	2,842	432	2,162	60.5	26.5	85.5
St. Peters	655	570	20	164	135	10	25.0	23.7	50.0
Springfield	2,108	1,771	68	905	734	44	42.9	41.4	64.7
University City	494	260	167	175	28	130	35.4	10.8	77.8
Wentzville	534	476	25	127	95	19	23.8	20.0	76.0
Wildwood	242	206	4	26	23	1	10.7	11.2	25.0

**Table 10A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2013**

	All Races		White, Non-Hisp.		Black, Non-Hisp.		Other, Non-Hisp.*		Hispanic, Any Race	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	75,244	100.0	56,244	100.0	10,771	100.0	4,254	100.0	3,931	100.0
Birth Weight: Under 2500 Grams	6,046	8.0	3,928	7.0	1,505	14.0	343	8.1	266	6.8
Birth Weight: Above 4499 Grams	873	1.2	729	1.3	62	0.6	34	0.8	46	1.2
Gestational Age: Less than 37 Weeks	8,671	11.5	5,847	10.4	1,876	17.4	477	11.2	464	11.8
APGAR (5 Minutes): Less than 8	3,879	5.2	2,669	4.8	834	7.8	200	4.7	174	4.4
Infant Care: NICU Admission	5,120	6.8	3,531	6.3	1,030	9.6	285	6.7	272	6.9
Infant Care: Transfer to Other Facility	1,100	1.5	806	1.4	208	1.9	53	1.2	33	0.8
Place of Birth: At-Home Delivery	1,093	1.5	1,018	1.8	24	0.2	27	0.6	23	0.6
Method of Delivery: Cesarean	23,317	31.1	17,373	31.0	3,478	32.3	1,304	30.8	1,149	29.3
Infant Care: Breastfed After Delivery	53,872	74.7	41,715	77.5	5,870	56.4	3,246	79.4	3,013	80.1
Maternal Smoking: During Pregnancy	13,155	17.6	10,800	19.3	1,442	13.6	622	14.7	290	7.5
...Quit Smoking During Pregnancy	2,840	21.6	2,179	20.2	422	29.3	150	24.1	88	30.3
Mat. Weight: Underweight (BMI < 18.5)	3,110	4.2	2,339	4.2	370	3.5	286	6.8	115	3.1
Mat. Weight: Obese (BMI >= 30)	18,423	24.9	13,107	23.6	3,548	33.7	789	18.9	970	26.3
Mat. Sing. Wt. Gain: Low (< 15 lbs)	7,045	11.3	4,837	10.2	1,322	16.1	406	11.5	476	14.8
Mat. Sing. Wt. Gain: High (> 45 lbs)	13,284	21.3	10,279	21.7	1,779	21.7	674	19.1	543	16.9
Mother's Education: Under 12 Yrs.	10,800	14.4	6,638	11.8	2,024	18.9	643	15.2	1,493	38.2
Marital Status: Out-of-Wedlock	30,360	40.3	18,445	32.8	8,415	78.1	1,519	35.7	1,966	50.0
Live Birth Order: 4 or More	9,353	12.5	6,157	11.0	1,943	18.1	509	12.1	736	18.9
Birth Spacing: Less than 18 Months	5,057	12.0	3,522	11.3	974	15.4	286	12.9	273	11.1
Prenatal Care: 1st Trimester	53,335	74.5	42,222	78.4	6,060	61.2	2,748	68.1	2,280	61.5
Prenatal Care: 2nd Trimester	14,097	19.7	9,307	17.3	2,792	28.2	956	23.7	1,033	27.9
Prenatal Care: 3rd Trimester	3,320	4.6	1,927	3.6	804	8.1	271	6.7	316	8.5
Prenatal Care: None	814	1.1	429	0.8	246	2.5	59	1.5	79	2.1
Prenatal Care: Inadequate	12,982	18.6	7,789	14.8	3,213	33.2	940	23.8	1,030	28.2
Maternal Utilization: Medicaid	31,809	43.0	20,031	36.3	7,859	74.1	1,856	44.3	2,047	53.0
Maternal Utilization: WIC	33,314	45.1	21,355	38.6	7,433	71.0	1,937	47.6	2,578	66.7
Maternal Utilization: Food Stamps	23,313	33.1	14,063	26.6	6,650	66.7	1,296	32.8	1,300	36.0
Mother's Age: At Delivery	43	0.1	10	0.0	22	0.2	2	0.0	9	0.2
15-17	1,456	1.9	865	1.5	339	3.1	113	2.7	138	3.5
18-19	4,356	5.8	2,920	5.2	918	8.5	242	5.7	275	7.0
20-24	19,419	25.8	13,559	24.1	3,930	36.5	955	22.5	966	24.6
25-29	23,168	30.8	17,915	31.9	2,912	27.0	1,212	28.5	1,118	28.4
30-34	18,439	24.5	14,709	26.2	1,725	16.0	1,091	25.7	901	22.9
35-39	6,944	9.2	5,241	9.3	746	6.9	525	12.3	425	10.8
40 and over	1,409	1.9	1,020	1.8	176	1.6	113	2.7	98	2.5

\*: Includes Births from Mothers of Multiple Races

**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2013**

	Northeast		Northwest		Central		Southeast		Southwest	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	3,030	100.0	2,976	100.0	8,814	100.0	7,086	100.0	11,295	100.0
Birth Weight: Under 2500 Grams	245	8.1	191	6.4	646	7.3	662	9.4	752	6.7
Birth Weight: Above 4499 Grams	36	1.2	41	1.4	92	1.0	60	0.8	121	1.1
Gestational Age: Less than 37 Weeks	324	10.7	291	9.8	944	10.7	978	13.9	1,121	9.9
APGAR (5 Minutes): Less than 8	202	6.7	107	3.6	507	5.8	423	6.0	564	5.1
Infant Care: NICU Admission	176	5.8	127	4.3	588	6.7	406	5.7	797	7.1
Infant Care: Transfer to Other Facility	66	2.2	62	2.1	136	1.5	205	2.9	101	0.9
Place of Birth: At-Home Delivery	138	4.6	70	2.4	144	1.6	77	1.1	361	3.2
Method of Delivery: Cesarean	949	31.4	817	27.6	2,725	31.0	2,286	32.5	3,218	28.7
Infant Care: Breastfed After Delivery	2,133	73.3	1,959	71.0	6,569	78.1	3,848	58.8	8,441	79.9
Maternal Smoking: During Pregnancy	717	23.8	647	21.9	1,831	20.9	1,957	27.9	2,258	20.1
...Quit Smoking During Pregnancy	119	16.6	144	22.3	358	19.6	282	14.4	509	22.5
Mat. Weight: Underweight (BMI < 18.5)	119	4.0	119	4.0	374	4.3	344	5.0	540	4.9
Mat. Weight: Obese (BMI >= 30)	866	28.9	749	25.4	2,219	25.5	1,952	28.4	2,681	24.2
Mat. Sing. Wt. Gain: Low (< 15 lbs)	360	13.8	301	12.2	884	11.9	766	13.9	1,117	11.6
Mat. Sing. Wt. Gain: High (> 45 lbs)	497	19.0	544	22.0	1,554	21.0	1,169	21.3	2,048	21.3
Mother's Education: Under 12 Yrs.	583	19.3	429	14.4	1,320	15.0	1,344	19.0	2,071	18.4
Marital Status: Out-of-Wedlock	1,122	37.0	1,144	38.4	3,150	35.7	3,199	45.1	4,164	36.9
Live Birth Order: 4 or More	395	13.0	402	13.5	1,056	12.0	870	12.4	1,491	13.5
Birth Spacing: Less than 18 Months	186	10.4	229	13.0	539	11.1	585	14.3	790	12.3
Prenatal Care: 1st Trimester	2,328	78.6	2,253	77.2	6,616	77.3	4,922	72.8	7,236	68.6
Prenatal Care: 2nd Trimester	485	16.4	511	17.5	1,557	18.2	1,475	21.8	2,632	25.0
Prenatal Care: 3rd Trimester	139	4.7	134	4.6	345	4.0	315	4.7	533	5.1
Prenatal Care: None	10	0.3	19	0.7	45	0.5	52	0.8	141	1.3
Prenatal Care: Inadequate	541	19.0	510	17.6	1,362	16.8	1,318	19.8	2,244	21.6
Maternal Utilization: Medicaid	1,374	45.5	1,342	45.6	3,461	39.8	4,157	61.4	5,631	50.6
Maternal Utilization: WIC	1,644	54.7	1,430	48.5	3,944	45.3	4,523	65.5	5,829	52.8
Maternal Utilization: Food Stamps	887	32.4	927	32.5	2,517	29.4	3,120	46.3	3,739	34.7
Mother's Age: At Delivery	1	0.0	4	0.1	2	0.0	3	0.0	5	0.0
15-17	53	1.7	46	1.5	160	1.8	212	3.0	242	2.1
18-19	213	7.0	180	6.0	499	5.7	641	9.0	773	6.8
20-24	942	31.1	937	31.5	2,444	27.7	2,463	34.8	3,369	29.8
25-29	948	31.3	973	32.7	2,877	32.6	2,065	29.1	3,547	31.4
30-34	627	20.7	604	20.3	1,953	22.2	1,214	17.1	2,397	21.2
35-39	194	6.4	188	6.3	722	8.2	400	5.6	784	6.9
40 and over	52	1.7	44	1.5	155	1.8	87	1.2	178	1.6

**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2013**

	<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	26,055	100.0	15,988	100.0	56,936	100.0	18,308	100.0
Birth Weight: Under 2500 Grams	2,325	8.9	1,225	7.7	4,594	8.1	1,452	7.9
Birth Weight: Above 4499 Grams	307	1.2	216	1.4	682	1.2	191	1.0
Gestational Age: Less than 37 Weeks	3,247	12.5	1,766	11.1	6,531	11.5	2,140	11.7
APGAR (5 Minutes): Less than 8	1,227	4.7	849	5.3	2,761	4.9	1,118	6.1
Infant Care: NICU Admission	1,456	5.6	1,570	9.8	4,117	7.2	1,003	5.5
Infant Care: Transfer to Other Facility	407	1.6	123	0.8	660	1.2	440	2.4
Place of Birth: At-Home Delivery	150	0.6	153	1.0	637	1.1	456	2.5
Method of Delivery: Cesarean	8,741	33.7	4,581	28.7	17,666	31.1	5,651	31.0
Infant Care: Breastfed After Delivery	18,889	74.0	12,033	78.3	42,117	76.6	11,755	68.6
Maternal Smoking: During Pregnancy	3,360	13.0	2,385	15.0	8,510	15.1	4,645	25.6
...Quit Smoking During Pregnancy	835	24.9	593	24.9	2,026	23.8	814	17.5
Mat. Weight: Underweight (BMI < 18.5)	986	3.8	628	4.0	2,284	4.1	826	4.6
Mat. Weight: Obese (BMI >= 30)	6,060	23.5	3,896	24.9	13,484	24.0	4,939	27.6
Mat. Sing. Wt. Gain: Low (< 15 lbs)	2,167	10.2	1,450	10.8	5,057	10.6	1,988	13.4
Mat. Sing. Wt. Gain: High (> 45 lbs)	4,485	21.0	2,987	22.2	10,236	21.5	3,048	20.5
Mother's Education: Under 12 Yrs.	2,798	10.8	2,255	14.2	7,389	13.0	3,411	18.7
Marital Status: Out-of-Wedlock	10,560	40.5	7,021	43.9	23,150	40.7	7,210	39.4
Live Birth Order: 4 or More	3,079	11.9	2,060	12.9	6,899	12.2	2,454	13.5
Birth Spacing: Less than 18 Months	1,593	11.1	1,135	12.5	3,719	11.7	1,338	12.7
Prenatal Care: 1st Trimester	19,560	79.7	10,420	68.2	40,206	74.6	13,129	74.3
Prenatal Care: 2nd Trimester	3,870	15.8	3,567	23.4	10,530	19.5	3,567	20.2
Prenatal Care: 3rd Trimester	866	3.5	988	6.5	2,478	4.6	842	4.8
Prenatal Care: None	252	1.0	295	1.9	690	1.3	124	0.7
Prenatal Care: Inadequate	3,657	15.2	3,350	22.4	9,561	18.2	3,421	19.8
Maternal Utilization: Medicaid	9,520	37.2	6,324	40.2	22,355	39.9	9,454	53.0
Maternal Utilization: WIC	9,142	36.0	6,802	43.1	22,621	40.5	10,693	59.5
Maternal Utilization: Food Stamps	7,535	30.1	4,588	33.6	16,684	31.4	6,629	38.4
Mother's Age: At Delivery								
Under 15	15	0.1	13	0.1	38	0.1	5	0.0
15-17	424	1.6	319	2.0	1,028	1.8	428	2.3
18-19	1,189	4.6	861	5.4	2,927	5.1	1,429	7.8
20-24	5,409	20.8	3,855	24.1	13,329	23.4	6,090	33.3
25-29	7,794	29.9	4,964	31.1	17,619	31.0	5,549	30.3
30-34	7,586	29.1	4,058	25.4	15,035	26.4	3,404	18.6
35-39	3,077	11.8	1,579	9.9	5,820	10.2	1,124	6.1
40 and over	557	2.1	336	2.1	1,131	2.0	278	1.5

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013

	<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	250	100.0	195	100.0	60	100.0	326	100.0	402	100.0	141	100.0	198	100.0
Birth Weight: Under 2500 Grams	24	9.6	8	4.1	6	10.0	32	9.8	27	6.7	10	7.1	21	10.6
Birth Weight: Above 4499 Grams	4	1.6	0	0.0	1	1.7	3	0.9	5	1.2	2	1.4	6	3.0
Gest. Age: Less than 37 Weeks	36	14.4	15	7.7	6	10.0	36	11.0	47	11.7	11	7.9	22	11.2
APGAR (5 Min.): Less than 8	25	10.0	0	0.0	3	5.0	22	6.9	24	6.0	6	4.3	10	5.1
Infant Care: NICU Admission	21	8.4	2	1.0	5	8.3	24	7.4	13	3.2	12	8.5	16	8.1
Infant Care: Transfer	7	2.8	3	1.5	2	3.3	3	0.9	4	1.0	1	0.7	1	0.5
Place of Birth: At-Home Delivery	6	2.4	1	0.5	1	1.7	36	11.0	3	0.7	6	4.3	2	1.0
Method of Delivery: Cesarean	84	33.6	33	17.1	28	46.7	96	29.5	107	26.8	51	36.4	61	31.0
Infant Care: Breastfed	188	77.0	133	72.3	40	69.0	218	69.4	243	67.5	97	69.3	133	68.2
Mat. Smoking: During Preg.	57	23.0	33	16.9	18	30.0	86	26.5	99	24.9	39	27.9	38	19.3
...Quit Smoking During Preg.	11	19.3	9	27.3	2	11.1	11	12.8	17	17.2	6	15.4	6	15.8
Mat. Wt.: Underweight	11	4.4	3	1.5	2	3.3	10	3.2	25	6.9	4	2.8	10	5.1
Mat. Wt.: Obese	60	24.1	46	23.6	20	33.3	100	31.5	105	28.8	37	26.2	53	26.9
Mat. Sing. Wt. Gain: Low	27	13.0	22	12.5	4	7.8	29	10.7	35	11.0	15	11.7	17	10.2
Mat. Sing. Wt. Gain: High	48	23.2	39	22.2	13	25.5	60	22.1	70	21.9	28	21.9	40	24.0
Mother's Education: Under 12 Yrs.	36	14.4	13	6.7	5	8.3	91	28.0	91	22.6	31	22.1	25	12.7
Marital Status: Out-of-Wedlock	81	32.4	65	33.3	19	31.7	138	42.3	155	38.6	68	48.2	82	41.4
Live Birth Order: 4 or More	30	12.0	23	11.8	4	6.7	55	16.9	65	16.3	27	19.1	30	15.2
Birth Spacing: Less than 18 Mos.	17	11.5	13	11.2	3	9.7	28	12.9	14	5.5	19	21.8	8	6.6
Prenatal Care: 1st Trimester	204	82.6	162	83.5	53	88.3	208	65.6	288	74.8	88	64.7	150	77.7
Prenatal Care: 2nd Trimester	33	13.4	29	14.9	4	6.7	77	24.3	74	19.2	44	32.4	37	19.2
Prenatal Care: 3rd Trimester	10	4.0	2	1.0	3	5.0	26	8.2	17	4.4	4	2.9	6	3.1
Prenatal Care: None	0	0.0	1	0.5	0	0.0	6	1.9	6	1.6	0	0.0	0	0.0
Prenatal Care: Inadequate	25	10.3	19	9.8	5	8.3	101	34.0	71	18.5	30	22.4	25	13.4
Maternal Utilization: Medicaid	132	53.0	77	39.7	26	43.3	125	38.5	244	66.8	83	58.9	94	49.0
Maternal Utilization: WIC	138	55.6	72	37.1	30	50.0	142	44.1	248	68.1	81	57.9	108	55.4
Maternal Utilization: FSP	89	37.9	41	21.5	11	24.4	99	31.0	160	45.5	49	40.2	50	36.2
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	6	2.4	2	1.0	1	1.7	3	0.9	7	1.7	7	5.0	4	2.0
18-19	23	9.2	14	7.2	3	5.0	12	3.7	33	8.2	12	8.5	21	10.6
20-24	64	25.6	62	31.8	22	36.7	125	38.3	130	32.3	44	31.2	55	27.8
25-29	76	30.4	59	30.3	17	28.3	92	28.2	112	27.9	43	30.5	62	31.3
30-34	62	24.8	37	19.0	14	23.3	54	16.6	90	22.4	27	19.1	39	19.7
35-39	11	4.4	19	9.7	2	3.3	33	10.1	23	5.7	8	5.7	14	7.1
40 and over	8	3.2	2	1.0	1	1.7	7	2.1	7	1.7	0	0.0	3	1.5

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	138	100.0	121	100.0	2,166	100.0	1,154	100.0	580	100.0	84	100.0	525	100.0
Birth Weight: Under 2500 Grams	9	6.5	7	5.8	152	7.0	86	7.5	75	13.0	7	8.3	46	8.8
Birth Weight: Above 4499 Grams	0	0.0	2	1.7	23	1.1	10	0.9	1	0.2	2	2.4	6	1.1
Gest. Age: Less than 37 Weeks	13	9.5	13	10.7	239	11.0	125	10.8	131	22.8	7	8.3	62	11.8
APGAR (5 Min.): Less than 8	17	12.3	4	3.3	133	6.1	27	2.3	27	4.7	9	10.7	22	4.2
Infant Care: NICU Admission	4	2.9	5	4.1	200	9.2	60	5.2	33	5.7	5	6.0	50	9.5
Infant Care: Transfer	0	0.0	1	0.8	11	0.5	26	2.3	37	6.4	2	2.4	7	1.3
Place of Birth: At-Home Delivery	6	4.3	2	1.7	33	1.5	6	0.5	5	0.9	2	2.4	5	1.0
Method of Delivery: Cesarean	48	34.8	36	29.8	746	34.4	293	25.7	142	24.8	22	26.5	169	32.2
Infant Care: Breastfed	79	59.0	77	67.5	1,731	84.2	688	62.9	262	49.9	57	69.5	390	78.3
Mat. Smoking: During Preg.	43	31.2	32	26.4	289	13.5	289	25.3	168	29.4	22	26.2	145	27.9
...Quit Smoking During Preg.	5	11.6	3	9.4	64	22.1	67	23.2	34	20.2	5	22.7	26	17.9
Mat. Wt.: Underweight	3	2.2	5	4.2	97	4.5	53	4.6	29	5.1	5	6.0	25	4.8
Mat. Wt.: Obese	24	17.4	37	30.8	480	22.4	292	25.4	155	27.3	19	22.9	153	29.3
Mat. Sing. Wt. Gain: Low	10	8.3	15	15.6	178	9.6	128	12.6	57	14.7	7	9.6	51	11.4
Mat. Sing. Wt. Gain: High	33	27.3	25	26.0	395	21.4	238	23.4	90	23.2	17	23.3	105	23.4
Mother's Education: Under 12 Yrs.	28	20.3	17	14.0	198	9.2	215	18.7	146	25.3	10	11.9	73	13.9
Marital Status: Out-of-Wedlock	61	44.2	41	33.9	704	32.5	620	53.7	275	47.4	29	34.5	214	40.8
Live Birth Order: 4 or More	16	11.6	15	12.4	179	8.3	159	13.8	62	10.8	11	13.1	66	12.6
Birth Spacing: Less than 18 Mos.	10	11.9	11	15.7	117	9.8	97	14.1	49	14.8	5	9.3	34	10.9
Prenatal Care: 1st Trimester	99	72.8	82	70.1	1,793	84.9	861	75.7	418	75.0	66	79.5	400	78.4
Prenatal Care: 2nd Trimester	30	22.1	32	27.4	259	12.3	212	18.6	110	19.7	12	14.5	92	18.0
Prenatal Care: 3rd Trimester	6	4.4	3	2.6	54	2.6	52	4.6	28	5.0	3	3.6	17	3.3
Prenatal Care: None	1	0.7	0	0.0	7	0.3	13	1.1	1	0.2	2	2.4	1	0.2
Prenatal Care: Inadequate	24	17.6	18	16.1	213	11.4	187	16.4	125	22.9	9	11.3	68	14.3
Maternal Utilization: Medicaid	74	54.8	63	55.3	622	28.8	685	59.8	382	66.4	36	43.4	224	42.7
Maternal Utilization: WIC	81	59.6	79	66.9	676	31.9	633	55.4	414	72.8	34	41.5	228	43.7
Maternal Utilization: FSP	52	38.2	60	52.6	491	23.6	498	44.9	276	50.5	22	26.8	170	33.0
Mother's Age: At Delivery	0	0.0	0	0.0	1	0.0	4	0.3	0	0.0	0	0.0	0	0.0
15-17	3	2.2	4	3.3	26	1.2	26	2.3	26	4.5	0	0.0	8	1.5
18-19	5	3.6	7	5.8	75	3.5	92	8.0	46	7.9	6	7.1	31	5.9
20-24	44	31.9	48	39.7	413	19.1	391	33.9	209	36.0	23	27.4	129	24.6
25-29	42	30.4	35	28.9	758	35.0	342	29.6	168	29.0	28	33.3	183	34.9
30-34	32	23.2	15	12.4	603	27.9	202	17.5	89	15.3	19	22.6	129	24.6
35-39	12	8.7	11	9.1	249	11.5	77	6.7	31	5.3	7	8.3	33	6.3
40 and over	0	0.0	1	0.8	40	1.8	20	1.7	11	1.9	1	1.2	12	2.3



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	384	100.0	942	100.0	123	100.0	93	100.0	1,231	100.0	162	100.0	104	100.0
Birth Weight: Under 2500 Grams	25	6.5	91	9.7	6	4.9	9	9.7	88	7.2	10	6.2	5	4.8
Birth Weight: Above 4499 Grams	2	0.5	5	0.5	1	0.8	0	0.0	21	1.7	2	1.2	1	1.0
Gest. Age: Less than 37 Weeks	56	14.6	112	11.9	8	6.5	17	18.5	114	9.3	15	9.3	5	4.8
APGAR (5 Min.): Less than 8	14	3.6	46	4.9	12	9.8	2	2.2	64	5.2	13	8.1	8	7.8
Infant Care: NICU Admission	23	6.0	71	7.5	6	4.9	3	3.2	113	9.2	8	4.9	3	2.9
Infant Care: Transfer	14	3.6	4	0.4	2	1.6	4	4.3	8	0.6	7	4.3	2	1.9
Place of Birth: At-Home Delivery	1	0.3	10	1.1	10	8.1	0	0.0	12	1.0	20	12.3	4	3.8
Method of Delivery: Cesarean	127	33.1	277	29.5	44	35.8	19	20.9	354	28.8	45	28.1	29	27.9
Infant Care: Breastfed	279	75.0	660	73.3	89	73.6	48	55.2	974	82.8	117	75.0	77	76.2
Mat. Smoking: During Preg.	100	26.0	192	20.5	31	25.2	23	25.0	217	17.7	42	26.1	21	20.4
...Quit Smoking During Preg.	17	4.4	20	2.1	4	3.3	3	3.3	45	3.7	13	8.0	2	1.9
Mat. Wt.: Underweight	19	5.0	39	4.2	4	3.3	2	2.2	55	4.5	9	5.6	2	1.9
Mat. Wt.: Obese	91	23.8	209	22.5	36	29.5	24	26.4	282	23.2	48	30.0	22	21.2
Mat. Sing. Wt. Gain: Low	40	10.4	82	8.7	12	9.8	9	9.7	87	7.0	18	11.1	6	5.8
Mat. Sing. Wt. Gain: High	56	14.6	166	17.7	26	21.1	15	16.1	210	17.0	22	13.5	22	21.2
Mother's Education: Under 12 Yrs.	43	11.2	122	13.0	27	22.0	22	23.7	135	11.0	32	19.8	16	15.4
Marital Status: Out-of-Wedlock	153	39.8	392	41.6	42	34.1	38	40.9	439	35.7	51	31.5	26	25.0
Live Birth Order: 4 or More	30	7.8	100	10.7	21	17.1	11	12.0	145	11.8	36	22.2	17	16.3
Birth Spacing: Less than 18 Mos.	22	5.7	62	6.6	7	5.7	15	16.1	81	6.5	23	14.2	7	6.7
Prenatal Care: 1st Trimester	254	66.2	622	66.1	90	74.4	73	78.5	900	75.4	104	66.2	88	85.4
Prenatal Care: 2nd Trimester	89	23.2	215	22.8	23	19.0	11	12.8	240	20.1	40	25.5	9	8.7
Prenatal Care: 3rd Trimester	23	6.0	46	4.9	7	5.7	2	2.3	44	3.7	12	7.6	5	4.9
Prenatal Care: None	3	0.8	8	0.9	1	0.8	0	0.0	9	0.8	1	0.6	1	1.0
Prenatal Care: Inadequate	90	23.5	150	15.9	24	20.3	15	17.4	183	15.8	34	22.5	13	14.1
Maternal Utilization: Medicaid	218	56.8	395	42.0	62	50.4	60	65.2	429	35.9	90	55.9	35	34.0
Maternal Utilization: WIC	194	50.5	405	43.0	64	52.0	72	80.9	448	36.8	94	58.4	40	38.5
Maternal Utilization: FSP	140	36.5	288	30.6	37	30.8	41	46.6	246	20.0	62	41.1	25	24.8
Mother's Age: At Delivery	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	7	1.8	17	1.8	3	2.4	4	4.3	11	0.9	2	1.2	4	3.8
18-19	16	4.2	63	6.7	4	3.3	9	9.7	66	5.4	12	7.4	7	6.7
20-24	110	28.6	233	24.7	42	34.1	35	37.6	293	23.8	54	33.3	24	23.1
25-29	135	35.2	321	34.1	37	30.1	30	32.3	409	33.2	54	33.3	26	25.0
30-34	78	20.3	233	24.7	27	22.0	10	10.8	321	26.1	22	13.6	28	26.9
35-39	31	8.1	65	6.9	9	7.3	5	5.4	118	9.6	13	8.0	14	13.5
40 and over	7	1.8	9	1.0	1	0.8	0	0.0	13	1.1	5	3.1	1	1.0

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	980	100.0	75	100.0	3,043	100.0	203	100.0	946	100.0	205	100.0	311	100.0
Birth Weight: Under 2500 Grams	58	5.9	3	4.0	202	6.6	12	5.9	67	7.1	13	6.4	33	10.6
Birth Weight: Above 4499 Grams	10	1.0	2	2.7	32	1.1	0	0.0	12	1.3	1	0.5	3	1.0
Gest. Age: Less than 37 Weeks	78	8.0	4	5.3	324	10.7	19	9.4	101	10.7	20	9.8	45	14.6
APGAR (5 Min.): Less than 8	43	4.4	2	2.7	166	5.5	8	4.0	27	2.9	10	4.9	20	6.6
Infant Care: NICU Admission	69	7.0	2	2.7	282	9.3	19	9.4	57	6.0	18	8.8	18	5.8
Infant Care: Transfer	6	0.6	3	4.0	29	1.0	7	3.4	10	1.1	0	0.0	10	3.2
Place of Birth: At-Home Delivery	10	1.0	6	8.0	18	0.6	3	1.5	0	0.0	18	8.8	1	0.3
Method of Delivery: Cesarean	274	28.1	19	25.3	907	29.9	66	32.5	299	31.6	63	30.7	111	36.0
Infant Care: Breastfed	783	86.3	38	55.9	2,430	82.9	146	74.1	726	79.9	157	80.9	209	69.2
Mat. Smoking: During Preg.	134	13.7	26	35.1	409	13.5	54	26.7	141	14.9	41	20.0	110	35.6
...Quit Smoking During Preg.	40	29.9	1	3.8	108	26.4	5	9.3	34	24.1	10	24.4	28	25.5
Mat. Wt.: Underweight	43	4.4	4	5.3	110	3.6	11	5.5	44	4.7	6	2.9	10	3.2
Mat. Wt.: Obese	200	20.7	24	32.0	706	23.4	53	26.5	229	24.3	63	30.7	83	26.9
Mat. Sing. Wt. Gain: Low	73	8.5	8	11.3	241	9.2	22	12.2	90	11.1	26	14.1	31	12.7
Mat. Sing. Wt. Gain: High	200	23.4	14	19.7	603	22.9	33	18.3	180	22.2	35	19.0	50	20.4
Mother's Education: Under 12 Yrs.	98	10.0	15	20.0	260	8.6	23	11.3	104	11.0	38	18.5	60	19.4
Marital Status: Out-of-Wedlock	250	25.5	30	40.0	1,014	33.3	77	37.9	376	39.7	91	44.4	130	41.8
Live Birth Order: 4 or More	95	10.0	6	8.0	312	10.3	29	14.3	95	10.0	33	16.1	39	12.7
Birth Spacing: Less than 18 Mos.	48	9.0	7	13.5	186	11.0	11	8.4	58	11.6	15	12.6	20	12.3
Prenatal Care: 1st Trimester	657	74.0	53	71.6	2,177	73.8	147	75.0	712	77.9	151	74.8	240	78.9
Prenatal Care: 2nd Trimester	198	22.3	17	23.0	590	20.0	40	20.4	168	18.4	45	22.3	53	17.4
Prenatal Care: 3rd Trimester	26	2.9	4	5.4	148	5.0	8	4.1	31	3.4	6	3.0	11	3.6
Prenatal Care: None	7	0.8	0	0.0	33	1.1	1	0.5	3	0.3	0	0.0	0	0.0
Prenatal Care: Inadequate	143	16.4	14	18.7	497	17.3	23	11.9	137	15.4	33	17.7	43	15.0
Maternal Utilization: Medicaid	358	36.7	40	53.3	836	27.6	88	43.6	335	35.4	89	43.4	147	49.8
Maternal Utilization: WIC	373	38.7	51	68.0	851	28.2	94	46.8	336	35.9	89	43.8	188	61.2
Maternal Utilization: FSP	229	24.2	21	36.8	590	21.2	59	30.4	255	27.4	63	31.8	127	42.3
Mother's Age: At Delivery	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	15	1.5	1	1.3	47	1.5	7	3.4	18	1.9	2	1.0	7	2.3
18-19	44	4.5	4	5.3	122	4.0	6	3.0	44	4.7	15	7.3	26	8.4
20-24	234	23.9	29	38.7	610	20.0	51	25.1	256	27.1	73	35.6	106	34.1
25-29	338	34.5	24	32.0	947	31.1	62	30.5	288	30.5	44	21.5	90	28.9
30-34	250	25.5	12	16.0	891	29.3	58	28.6	234	24.8	51	24.9	53	17.0
35-39	84	8.6	4	5.3	351	11.5	16	7.9	91	9.6	14	6.8	26	8.4
40 and over	14	1.4	1	1.3	75	2.5	3	1.5	14	1.5	6	2.9	3	1.0

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<u>Dade</u>		<u>Dallas</u>		<u>Davies</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	62	100.0	209	100.0	107	100.0	104	100.0	180	100.0	140	100.0	469	100.0
Birth Weight: Under 2500 Grams	3	4.8	12	5.7	7	6.6	6	5.8	19	10.6	5	3.6	48	10.2
Birth Weight: Above 4499 Grams	1	1.6	4	1.9	0	0.0	0	0.0	4	2.2	2	1.4	4	0.9
Gest. Age: Less than 37 Weeks	6	9.7	14	6.7	6	5.6	19	18.3	17	9.6	8	5.7	72	15.6
APGAR (5 Min.): Less than 8	2	3.2	7	3.3	8	7.5	5	4.8	6	3.4	6	4.3	36	7.8
Infant Care: NICU Admission	6	9.7	7	3.3	5	4.7	4	3.8	7	3.9	7	5.0	21	4.5
Infant Care: Transfer	0	0.0	4	1.9	3	2.8	1	1.0	5	2.8	0	0.0	15	3.2
Place of Birth: At-Home Delivery	3	4.8	15	7.2	18	16.8	0	0.0	3	1.7	2	1.4	0	0.0
Method of Delivery: Cesarean	20	33.3	59	28.5	29	27.1	30	28.8	47	26.3	30	21.7	174	38.1
Infant Care: Breastfed	49	86.0	158	80.2	77	73.3	71	71.7	122	70.5	98	77.8	145	36.9
Mat. Smoking: During Preg.	16	25.8	43	20.7	27	25.2	27	26.2	56	31.6	29	20.9	139	30.7
...Quit Smoking During Preg.	4	25.0	11	25.6	4	14.8	4	14.8	6	10.7	6	20.7	16	11.5
Mat. Wt.: Underweight	1	1.7	7	3.4	1	1.1	4	3.8	9	5.1	10	7.3	21	5.0
Mat. Wt.: Obese	14	23.3	54	26.1	14	15.1	34	32.7	48	27.4	40	29.2	142	33.6
Mat. Sing. Wt. Gain: Low	7	13.2	23	12.6	9	10.6	12	14.5	25	18.7	16	12.8	64	20.1
Mat. Sing. Wt. Gain: High	11	20.8	44	24.0	13	15.3	21	25.3	29	21.6	31	24.8	59	18.5
Mother's Education: Under 12 Yrs.	10	16.4	64	30.6	45	42.1	11	10.6	42	23.6	21	15.0	150	32.1
Marital Status: Out-of-Wedlock	18	29.0	68	32.5	28	26.2	39	37.5	65	36.1	46	32.9	265	56.5
Live Birth Order: 4 or More	10	16.4	47	22.8	25	23.4	8	7.7	22	12.4	17	12.6	74	15.9
Birth Spacing: Less than 18 Mos.	4	10.5	16	12.4	11	15.5	5	8.3	6	11.5	10	12.0	48	17.6
Prenatal Care: 1st Trimester	43	72.9	132	68.0	62	58.5	84	80.8	141	82.5	85	71.4	339	74.3
Prenatal Care: 2nd Trimester	12	20.3	56	28.9	29	27.4	16	15.4	26	15.2	29	24.4	84	18.4
Prenatal Care: 3rd Trimester	3	5.1	4	2.1	15	14.2	3	2.9	3	1.8	4	3.4	32	7.0
Prenatal Care: None	1	1.7	2	1.0	0	0.0	1	1.0	1	0.6	1	0.8	1	0.2
Prenatal Care: Inadequate	10	16.9	33	17.3	41	38.7	9	8.7	26	15.7	25	21.6	96	21.2
Maternal Utilization: Medicaid	27	44.3	95	46.3	45	42.1	36	35.0	114	64.0	80	58.4	342	84.2
Maternal Utilization: WIC	30	49.2	104	50.7	49	47.1	43	41.3	121	68.4	93	67.4	355	82.4
Maternal Utilization: FSP	19	32.8	75	36.4	22	21.6	25	25.3	79	45.9	67	49.3	277	66.0
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	2	3.2	2	1.0	3	2.8	2	1.9	7	3.9	3	2.1	19	4.1
18-19	6	9.7	21	10.0	6	5.6	6	5.8	23	12.8	15	10.7	47	10.0
20-24	14	22.6	65	31.1	38	35.5	32	30.8	64	35.6	41	29.3	193	41.2
25-29	21	33.9	54	25.8	34	31.8	31	29.8	50	27.8	45	32.1	116	24.7
30-34	13	21.0	41	19.6	16	15.0	23	22.1	26	14.4	22	15.7	74	15.8
35-39	3	4.8	16	7.7	6	5.6	10	9.6	8	4.4	11	7.9	17	3.6
40 and over	3	4.8	10	4.8	4	3.7	0	0.0	2	1.1	3	2.1	3	0.6

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	1,229	100.0	183	100.0	88	100.0	3,506	100.0	163	100.0	122	100.0	250	100.0
Birth Weight: Under 2500 Grams	103	8.4	10	5.5	6	6.8	255	7.3	12	7.4	6	4.9	17	6.8
Birth Weight: Above 4499 Grams	18	1.5	2	1.1	1	1.1	37	1.1	1	0.6	2	1.6	3	1.2
Gest. Age: Less than 37 Weeks	146	11.9	11	6.0	8	9.1	335	9.6	12	7.4	16	13.1	28	11.2
APGAR (5 Min.): Less than 8	58	4.8	5	2.7	4	4.9	220	6.3	10	6.3	8	7.0	14	5.6
Infant Care: NICU Admission	61	5.0	5	2.7	1	1.1	295	8.4	4	2.5	9	7.4	15	6.0
Infant Care: Transfer	33	2.7	3	1.6	0	0.0	14	0.4	1	0.6	4	3.3	8	3.2
Place of Birth: At-Home Delivery	2	0.2	0	0.0	7	8.0	76	2.2	21	12.9	6	4.9	5	2.0
Method of Delivery: Cesarean	432	35.2	59	32.4	24	27.6	995	28.7	46	28.4	45	36.9	78	31.5
Infant Care: Breastfed	870	72.4	132	72.1	70	80.5	2,673	84.4	118	78.1	87	76.3	131	55.5
Mat. Smoking: During Preg.	267	21.9	35	19.2	19	21.6	670	19.3	35	22.2	38	31.4	64	25.6
...Quit Smoking During Preg.	62	23.2	6	17.1	3	15.8	154	23.0	7	20.0	10	26.3	16	25.0
Mat. Wt.: Underweight	49	4.0	7	3.8	3	3.4	161	4.7	9	6.1	3	2.5	8	3.2
Mat. Wt.: Obese	351	28.7	58	31.9	25	28.4	772	22.4	40	27.0	41	33.9	71	28.4
Mat. Sing. Wt. Gain: Low	116	11.1	20	12.4	15	19.0	297	10.1	15	10.9	12	11.8	29	13.9
Mat. Sing. Wt. Gain: High	203	19.5	35	21.7	11	13.9	691	23.6	26	19.0	17	16.7	33	15.8
Mother's Education: Under 12 Yrs.	160	13.1	26	14.2	12	13.6	443	12.7	48	29.4	35	28.7	29	11.6
Marital Status: Out-of-Wedlock	453	36.9	62	33.9	21	23.9	1,280	36.5	53	32.5	42	34.4	100	40.0
Live Birth Order: 4 or More	156	12.8	16	8.8	11	12.5	353	10.5	23	14.1	32	26.2	27	10.8
Birth Spacing: Less than 18 Mos.	101	14.0	8	8.2	5	8.9	192	10.6	8	8.5	14	17.5	19	12.5
Prenatal Care: 1st Trimester	961	80.6	148	81.8	69	83.1	2,170	70.0	120	75.9	83	70.3	171	69.2
Prenatal Care: 2nd Trimester	185	15.5	28	15.5	8	9.6	741	23.9	28	17.7	23	19.5	61	24.7
Prenatal Care: 3rd Trimester	40	3.4	5	2.8	5	6.0	149	4.8	10	6.3	12	10.2	11	4.5
Prenatal Care: None	7	0.6	0	0.0	1	1.2	39	1.3	0	0.0	0	0.0	4	1.6
Prenatal Care: Inadequate	135	11.5	15	8.5	16	18.6	634	20.9	38	24.2	29	24.8	49	20.0
Maternal Utilization: Medicaid	454	37.6	65	36.1	35	40.2	1,643	47.5	69	42.9	63	51.6	127	54.5
Maternal Utilization: WIC	504	41.3	85	46.7	39	44.8	1,706	49.7	73	45.9	66	55.0	134	53.8
Maternal Utilization: FSP	391	32.5	48	27.3	25	29.1	1,123	33.2	35	22.9	43	37.7	89	38.2
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
15-17	20	1.6	4	2.2	1	1.1	65	1.9	3	1.8	2	1.6	1	0.4
18-19	71	5.8	15	8.2	3	3.4	189	5.4	17	10.4	9	7.4	21	8.4
20-24	311	25.3	54	29.5	23	26.1	942	26.9	48	29.4	41	33.6	77	30.8
25-29	424	34.5	68	37.2	48	54.5	1,178	33.6	61	37.4	35	28.7	87	34.8
30-34	287	23.4	30	16.4	10	11.4	831	23.7	27	16.6	27	22.1	53	21.2
35-39	92	7.5	11	6.0	2	2.3	251	7.2	4	2.5	5	4.1	9	3.6
40 and over	24	2.0	1	0.5	1	1.1	49	1.4	3	1.8	3	2.5	2	0.8

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	59	100.0	52	100.0	124	100.0	508	100.0	91	100.0	9,478	100.0	1,686	100.0
Birth Weight: Under 2500 Grams	2	3.4	4	7.7	14	11.3	41	8.1	7	7.7	800	8.4	117	6.9
Birth Weight: Above 4499 Grams	2	3.4	2	3.8	0	0.0	6	1.2	1	1.1	134	1.4	15	0.9
Gest. Age: Less than 37 Weeks	1	1.7	6	11.5	15	12.1	49	9.6	10	11.1	1,110	11.8	182	10.8
APGAR (5 Min.): Less than 8	3	5.2	1	1.9	5	4.1	34	6.7	4	4.4	509	5.4	49	2.9
Infant Care: NICU Admission	0	0.0	0	0.0	12	9.7	25	4.9	2	2.2	985	10.4	134	7.9
Infant Care: Transfer	1	1.7	1	1.9	1	0.8	6	1.2	3	3.3	59	0.6	17	1.0
Place of Birth: At-Home Delivery	2	3.4	4	7.7	1	0.8	9	1.8	0	0.0	104	1.1	17	1.0
Method of Delivery: Cesarean	15	25.9	18	34.6	41	33.1	122	24.1	36	39.6	2,631	27.8	517	30.7
Infant Care: Breastfed	39	70.9	41	78.8	85	74.6	368	76.5	46	52.3	6,928	76.0	1,269	76.1
Mat. Smoking: During Preg.	19	32.2	11	21.2	35	28.2	162	32.1	32	35.2	1,357	14.5	319	19.0
...Quit Smoking During Preg.	3	5.8	2	4.2	4	3.2	31	6.1	4	4.3	357	3.7	77	4.6
Mat. Wt.: Underweight	2	3.4	3	5.8	3	2.4	24	4.9	5	5.5	366	4.0	93	5.6
Mat. Wt.: Obese	9	15.5	16	30.8	27	22.0	134	27.3	25	27.5	2,405	26.2	419	25.0
Mat. Sing. Wt. Gain: Low	6	10.9	5	10.9	9	8.6	57	13.2	7	8.9	912	11.6	185	12.6
Mat. Sing. Wt. Gain: High	10	18.2	15	32.6	22	21.0	76	17.6	17	21.5	1,764	22.4	281	19.2
Mother's Education: Under 12 Yrs.	10	16.9	4	7.7	13	10.5	94	18.6	14	15.4	1,649	17.5	362	21.5
Marital Status: Out-of-Wedlock	20	33.9	17	32.7	47	37.9	207	40.7	44	48.4	4,795	50.6	733	43.5
Live Birth Order: 4 or More	10	17.2	6	11.5	13	10.5	74	14.6	13	14.4	1,354	14.3	197	11.7
Birth Spacing: Less than 18 Mos.	5	13.5	3	10.0	4	5.3	43	13.7	7	14.3	738	13.8	108	10.7
Prenatal Care: 1st Trimester	43	75.4	45	86.5	102	82.9	375	77.2	52	60.5	5,762	64.2	1,096	65.7
Prenatal Care: 2nd Trimester	13	22.8	6	11.5	19	15.4	93	19.1	30	34.9	2,295	25.6	453	27.2
Prenatal Care: 3rd Trimester	1	1.8	1	1.9	1	0.8	17	3.5	4	4.7	683	7.6	85	5.1
Prenatal Care: None	0	0.0	0	0.0	1	0.8	1	0.2	0	0.0	229	2.6	33	2.0
Prenatal Care: Inadequate	9	16.1	5	9.6	12	10.7	66	13.8	21	24.1	2,323	26.4	360	21.6
Maternal Utilization: Medicaid	38	64.4	17	33.3	51	41.1	325	65.8	63	70.0	4,321	46.4	885	52.6
Maternal Utilization: WIC	38	65.5	18	34.6	53	43.4	349	71.1	76	83.5	4,668	50.1	859	51.5
Maternal Utilization: FSP	24	42.1	16	31.4	37	30.3	226	46.4	47	52.2	3,236	40.4	600	36.5
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	0.1	1	0.1
15-17	1	1.7	0	0.0	1	0.8	17	3.3	4	4.4	223	2.4	50	3.0
18-19	9	15.3	1	1.9	3	2.4	45	8.9	10	11.0	551	5.8	132	7.8
20-24	19	32.2	16	30.8	37	29.8	189	37.2	36	39.6	2,453	25.9	532	31.6
25-29	15	25.4	17	32.7	46	37.1	145	28.5	21	23.1	2,911	30.7	504	29.9
30-34	12	20.3	13	25.0	27	21.8	74	14.6	15	16.5	2,239	23.6	334	19.8
35-39	3	5.1	3	5.8	7	5.6	34	6.7	4	4.4	874	9.2	113	6.7
40 and over	0	0.0	2	3.8	3	2.4	4	0.8	1	1.1	211	2.2	20	1.2

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	2,639	100.0	714	100.0	57	100.0	441	100.0	361	100.0	498	100.0	117	100.0
Birth Weight: Under 2500 Grams	216	8.2	36	5.1	6	10.5	39	8.9	21	5.8	32	6.4	11	9.4
Birth Weight: Above 4499 Grams	49	1.9	16	2.2	2	3.5	2	0.5	2	0.6	1	0.2	3	2.6
Gest. Age: Less than 37 Weeks	327	12.4	56	7.8	6	10.5	62	14.1	42	11.7	50	10.0	9	7.7
APGAR (5 Min.): Less than 8	115	4.4	30	4.2	4	7.0	15	3.4	20	5.6	26	5.2	3	2.6
Infant Care: NICU Admission	185	7.0	24	3.4	1	1.8	26	5.9	36	10.0	38	7.6	5	4.3
Infant Care: Transfer	34	1.3	16	2.2	2	3.5	15	3.4	5	1.4	10	2.0	1	0.9
Place of Birth: At-Home Delivery	16	0.6	12	1.7	8	14.0	3	0.7	5	1.4	19	3.8	4	3.4
Method of Delivery: Cesarean	983	37.3	185	26.1	21	36.8	120	27.3	120	33.4	128	25.9	34	29.1
Infant Care: Breastfed	1,840	71.2	464	78.4	50	89.3	290	72.1	252	74.3	374	79.6	85	73.3
Mat. Smoking: During Preg.	561	21.4	112	15.9	7	12.3	138	31.3	92	25.7	100	20.1	24	20.7
...Quit Smoking During Preg.	104	18.5	27	24.1	2	28.6	24	17.4	16	17.4	19	19.0	6	25.0
Mat. Wt.: Underweight	110	4.2	28	4.0	1	1.8	25	5.7	13	3.7	28	5.7	10	8.7
Mat. Wt.: Obese	653	24.9	161	22.8	12	21.1	106	24.2	99	28.0	117	23.6	38	33.0
Mat. Sing. Wt. Gain: Low	218	9.9	55	11.2	5	10.2	45	12.7	39	13.8	55	12.8	16	15.8
Mat. Sing. Wt. Gain: High	510	23.1	105	21.5	8	16.3	77	21.7	62	21.9	95	22.0	17	16.8
Mother's Education: Under 12 Yrs.	282	10.7	51	7.2	18	31.6	97	22.0	45	12.5	135	27.2	15	12.8
Marital Status: Out-of-Wedlock	994	37.7	174	24.4	13	22.8	184	41.7	159	44.0	181	36.3	38	32.5
Live Birth Order: 4 or More	314	12.0	77	10.9	14	24.6	60	13.8	49	13.6	71	14.3	16	13.7
Birth Spacing: Less than 18 Mos.	159	10.9	49	12.1	3	7.9	46	17.7	26	13.3	40	14.0	10	15.9
Prenatal Care: 1st Trimester	2,097	83.1	529	76.6	40	71.4	291	68.8	257	73.9	339	71.5	88	75.9
Prenatal Care: 2nd Trimester	358	14.2	129	18.7	11	19.6	105	24.8	70	20.1	114	24.1	23	19.8
Prenatal Care: 3rd Trimester	48	1.9	31	4.5	5	8.9	21	5.0	16	4.6	19	4.0	4	3.4
Prenatal Care: None	20	0.8	2	0.3	0	0.0	6	1.4	5	1.4	2	0.4	1	0.9
Prenatal Care: Inadequate	257	10.4	148	22.2	14	25.5	89	21.0	60	17.6	78	16.7	20	17.2
Maternal Utilization: Medicaid	816	31.5	211	30.3	15	26.3	236	59.9	155	43.5	253	50.9	45	38.5
Maternal Utilization: WIC	973	37.3	320	45.2	22	38.6	278	63.0	181	50.6	281	57.7	58	50.0
Maternal Utilization: FSP	717	27.8	153	22.3	9	16.1	177	41.0	124	36.3	178	37.6	9	18.4
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	42	1.6	5	0.7	1	1.8	13	2.9	8	2.2	20	4.0	2	1.7
18-19	118	4.5	32	4.5	2	3.5	50	11.3	23	6.4	46	9.2	5	4.3
20-24	622	23.6	205	28.7	8	14.0	152	34.5	107	29.6	160	32.1	34	29.1
25-29	899	34.1	259	36.3	23	40.4	137	31.1	114	31.6	133	26.7	38	32.5
30-34	694	26.3	168	23.5	16	28.1	65	14.7	77	21.3	99	19.9	22	18.8
35-39	222	8.4	40	5.6	5	8.8	20	4.5	24	6.6	35	7.0	11	9.4
40 and over	42	1.6	5	0.7	2	3.5	4	0.9	8	2.2	5	1.0	5	4.3

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<u>Lincoln</u>		<u>Linn</u>		<u>Livingston</u>		<u>Macon</u>		<u>Madison</u>		<u>Marion</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	736	100.0	144	100.0	165	100.0	198	100.0	136	100.0	62	100.0
Birth Weight: Under 2500 Grams	52	7.1	14	9.7	20	12.2	13	6.6	13	9.6	5	8.1
Birth Weight: Above 4499 Grams	9	1.2	0	0.0	1	0.6	3	1.5	2	1.5	0	0.0
Gest. Age: Less than 37 Weeks	72	9.8	23	16.0	20	12.1	12	6.1	15	11.0	7	11.5
APGAR (5 Min.): Less than 8	33	4.5	13	9.0	16	9.8	18	9.2	9	6.6	2	3.4
Infant Care: NICU Admission	23	3.1	13	9.0	18	10.9	11	5.6	11	8.1	2	3.2
Infant Care: Transfer	10	1.4	5	3.5	4	2.4	1	0.5	6	4.4	2	3.2
Place of Birth: At-Home Delivery	1	0.1	4	2.8	5	3.0	14	7.1	1	0.7	3	4.8
Method of Delivery: Cesarean	211	28.7	52	36.1	60	36.6	66	33.3	50	36.8	19	30.6
Infant Care: Breastfed	504	69.1	89	65.4	113	69.8	145	75.9	69	53.9	51	82.3
Mat. Smoking: During Preg.	212	29.0	38	26.6	35	21.3	51	26.0	43	31.6	14	23.0
...Quit Smoking During Preg.	38	5.2	7	5.0	8	4.8	7	3.5	8	5.9	3	4.7
Mat. Wt.: Underweight	26	3.5	10	7.0	6	3.7	8	4.0	6	4.4	2	3.3
Mat. Wt.: Obese	196	26.7	44	30.8	44	27.2	59	29.8	44	32.6	19	31.1
Mat. Sing. Wt. Gain: Low	79	10.7	18	12.7	15	9.1	22	11.1	12	8.8	6	9.5
Mat. Sing. Wt. Gain: High	146	20.0	21	14.9	24	15.4	37	18.7	30	19.1	10	15.4
Mother's Education: Under 12 Yrs.	98	13.3	28	19.6	24	14.6	33	16.7	21	15.4	10	16.1
Marital Status: Out-of-Wedlock	292	39.7	49	34.0	58	35.2	68	34.3	60	44.1	22	35.5
Live Birth Order: 4 or More	87	11.8	14	9.7	19	11.5	29	14.6	23	16.9	10	16.4
Birth Spacing: Less than 18 Mos.	37	5.0	9	6.3	7	4.2	13	6.6	13	9.4	2	3.1
Prenatal Care: 1st Trimester	555	75.4	111	79.3	127	78.4	150	79.8	76	57.1	45	73.8
Prenatal Care: 2nd Trimester	130	17.7	21	15.0	30	18.5	25	13.3	47	35.3	12	19.7
Prenatal Care: 3rd Trimester	36	4.9	6	4.3	4	2.5	12	6.4	10	7.5	4	6.6
Prenatal Care: None	3	0.4	2	1.4	1	0.6	1	0.5	0	0.0	0	0.0
Prenatal Care: Inadequate	107	14.5	20	14.3	18	11.1	39	20.2	37	28.2	9	14.4
Maternal Utilization: Medicaid	335	45.5	59	41.0	69	42.1	78	39.4	87	64.4	23	37.7
Maternal Utilization: WIC	269	36.5	87	60.8	78	47.3	96	49.0	100	74.1	24	39.3
Maternal Utilization: FSP	223	30.3	48	34.5	47	28.7	65	33.5	61	46.2	19	30.6
Mother's Age: At Delivery	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	14	1.9	4	2.8	4	2.4	3	1.5	4	2.9	0	0.0
18-19	50	6.8	11	7.6	12	7.3	10	5.1	14	10.3	1	1.6
20-24	204	27.7	50	34.7	46	27.9	63	31.8	47	34.6	23	37.1
25-29	245	33.3	42	29.2	58	35.2	64	32.3	43	31.6	21	33.9
30-34	163	22.1	28	19.4	35	21.2	37	18.7	17	12.5	9	14.5
35-39	47	6.4	4	2.8	9	5.5	18	9.1	8	5.9	8	12.9
40 and over	12	1.6	5	3.5	1	0.6	3	1.5	3	2.2	0	0.0

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	315	100.0	34	100.0	303	100.0	159	100.0	220	100.0	91	100.0	128	100.0
Birth Weight: Under 2500 Grams	26	8.3	2	5.9	24	7.9	21	13.2	11	5.0	12	13.2	12	9.4
Birth Weight: Above 4499 Grams	1	0.3	0	0.0	1	0.3	1	0.6	2	0.9	2	2.2	0	0.0
Gest. Age: Less than 37 Weeks	41	13.0	7	20.6	31	10.3	25	15.7	19	8.6	14	15.4	11	8.6
APGAR (5 Min.): Less than 8	13	4.2	4	11.8	9	3.0	21	13.3	8	3.7	5	5.5	6	4.7
Infant Care: NICU Admission	18	5.7	2	5.9	17	5.6	12	7.5	8	3.6	7	7.7	7	5.5
Infant Care: Transfer	2	0.6	2	5.9	6	2.0	1	0.6	2	0.9	1	1.1	5	3.9
Place of Birth: At-Home Delivery	6	1.9	7	20.6	0	0.0	0	0.0	5	2.3	5	5.5	1	0.8
Method of Delivery: Cesarean	91	28.9	5	15.6	83	27.4	61	38.4	44	20.0	30	33.0	30	23.4
Infant Care: Breastfed	202	73.7	25	78.1	215	72.4	50	32.5	160	74.1	72	84.7	90	70.9
Mat. Smoking: During Preg.	62	20.1	9	27.3	70	23.2	52	33.1	45	20.6	22	24.2	42	32.8
...Quit Smoking During Preg.	9	14.5	3	33.3	7	10.0	6	11.5	6	13.3	5	22.7	9	21.4
Mat. Wt.: Underweight	15	5.4	2	7.1	12	4.0	7	4.5	6	2.8	5	5.5	7	5.6
Mat. Wt.: Obese	71	25.5	11	39.3	84	27.8	51	33.1	56	25.9	20	22.0	37	29.4
Mat. Sing. Wt. Gain: Low	46	19.5	2	9.5	34	12.7	21	17.5	30	15.2	9	11.8	16	14.7
Mat. Sing. Wt. Gain: High	44	18.6	6	28.6	46	17.2	30	25.0	38	19.2	18	23.7	19	17.4
Mother's Education: Under 12 Yrs.	109	34.7	13	38.2	49	16.2	36	22.8	75	34.2	16	17.8	21	16.4
Marital Status: Out-of-Wedlock	152	48.3	10	29.4	103	34.0	107	67.3	69	31.4	36	39.6	70	54.7
Live Birth Order: 4 or More	51	16.2	8	23.5	33	10.9	18	11.3	45	20.5	10	11.0	22	17.2
Birth Spacing: Less than 18 Mos.	25	13.2	6	30.0	23	13.5	17	16.2	15	11.2	4	9.1	13	15.9
Prenatal Care: 1st Trimester	177	56.9	19	61.3	224	77.0	108	71.5	139	65.0	68	76.4	88	70.4
Prenatal Care: 2nd Trimester	108	34.7	9	29.0	55	18.9	32	21.2	63	29.4	16	18.0	27	21.6
Prenatal Care: 3rd Trimester	19	6.1	3	9.7	10	3.4	10	6.6	10	4.7	4	4.5	7	5.6
Prenatal Care: None	7	2.3	0	0.0	2	0.7	1	0.7	2	0.9	1	1.1	3	2.4
Prenatal Care: Inadequate	104	33.7	12	38.7	47	16.6	38	25.5	41	19.7	19	22.9	22	17.9
Maternal Utilization: Medicaid	187	67.3	12	35.3	158	52.3	112	72.3	72	32.9	37	40.7	72	56.7
Maternal Utilization: WIC	226	81.6	16	48.5	160	53.0	122	77.7	84	38.7	47	52.2	71	56.8
Maternal Utilization: FSP	120	45.5	2	10.0	89	29.7	107	68.2	46	21.2	17	20.2	54	43.9
Mother's Age: At Delivery	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	12	3.8	2	5.9	12	4.0	8	5.0	11	5.0	2	2.2	4	3.1
18-19	27	8.6	2	5.9	20	6.6	21	13.2	10	4.5	11	12.1	17	13.3
20-24	113	35.9	16	47.1	94	31.0	49	30.8	53	24.1	25	27.5	38	29.7
25-29	99	31.4	7	20.6	102	33.7	49	30.8	84	38.2	24	26.4	33	25.8
30-34	38	12.1	5	14.7	41	13.5	23	14.5	45	20.5	23	25.3	26	20.3
35-39	20	6.3	1	2.9	27	8.9	8	5.0	13	5.9	5	5.5	8	6.3
40 and over	5	1.6	1	2.9	7	2.3	1	0.6	4	1.8	1	1.1	2	1.6



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	236	100.0	274	100.0	708	100.0	235	100.0	124	100.0	150	100.0	81	100.0
Birth Weight: Under 2500 Grams	15	6.4	36	13.1	43	6.1	18	7.7	15	12.1	10	6.7	10	12.3
Birth Weight: Above 4499 Grams	5	2.1	2	0.7	6	0.8	8	3.4	2	1.6	6	4.0	1	1.2
Gest. Age: Less than 37 Weeks	21	8.9	47	17.2	80	11.3	25	10.6	15	12.1	12	8.0	17	21.0
APGAR (5 Min.): Less than 8	12	5.1	29	10.6	24	3.4	7	3.0	9	7.3	9	6.0	6	7.4
Infant Care: NICU Admission	9	3.8	17	6.2	43	6.1	9	3.8	5	4.0	10	6.7	5	6.2
Infant Care: Transfer	1	0.4	12	4.4	4	0.6	2	0.9	4	3.2	5	3.3	2	2.5
Place of Birth: At-Home Delivery	13	5.5	1	0.4	6	0.8	5	2.1	3	2.4	0	0.0	2	2.5
Method of Delivery: Cesarean	51	21.8	113	41.5	196	27.7	79	33.6	36	29.0	40	26.7	22	27.2
Infant Care: Breastfed	187	81.3	93	36.0	575	82.1	183	78.2	70	66.7	112	75.7	36	69.2
Mat. Smoking: During Preg.	68	28.8	88	32.4	152	21.5	37	15.8	41	33.9	27	18.0	17	22.1
...Quit Smoking During Preg.	7	10.3	9	10.2	36	23.7	12	32.4	7	17.1	4	14.8	2	11.8
Mat. Wt.: Underweight	11	4.7	16	5.9	35	5.0	15	6.4	8	7.5	2	1.3	0	0.0
Mat. Wt.: Obese	67	28.5	99	36.5	193	27.5	58	24.7	29	27.1	36	24.2	13	22.8
Mat. Sing. Wt. Gain: Low	34	16.5	37	17.6	92	14.8	24	11.6	16	18.0	15	11.2	7	16.7
Mat. Sing. Wt. Gain: High	35	17.0	36	17.1	107	17.3	43	20.8	25	28.1	30	22.4	5	11.9
Mother's Education: Under 12 Yrs.	87	36.9	52	19.0	147	20.8	9	3.8	23	18.5	18	12.0	10	12.3
Marital Status: Out-of-Wedlock	68	28.8	163	59.5	256	36.2	69	29.4	54	43.5	43	28.7	31	38.3
Live Birth Order: 4 or More	60	25.4	32	11.7	106	15.0	35	14.9	19	15.3	10	6.7	13	16.0
Birth Spacing: Less than 18 Mos.	17	11.4	19	11.2	64	14.5	20	14.4	7	9.9	5	5.8	10	18.9
Prenatal Care: 1st Trimester	162	69.5	183	69.3	473	67.6	196	86.0	95	76.6	108	73.0	57	72.2
Prenatal Care: 2nd Trimester	65	27.9	60	22.7	179	25.6	29	12.7	23	18.5	34	23.0	19	24.1
Prenatal Care: 3rd Trimester	5	2.1	16	6.1	36	5.1	3	1.3	5	4.0	6	4.1	2	2.5
Prenatal Care: None	1	0.4	5	1.9	12	1.7	0	0.0	1	0.8	0	0.0	1	1.3
Prenatal Care: Inadequate	48	21.2	61	23.3	164	23.5	26	11.3	21	17.1	21	15.0	24	30.0
Maternal Utilization: Medicaid	114	49.1	189	71.3	392	55.6	75	31.9	85	79.4	44	29.3	41	70.7
Maternal Utilization: WIC	130	55.6	204	74.7	398	57.2	82	35.0	89	84.0	46	30.9	46	79.3
Maternal Utilization: FSP	74	31.5	151	56.8	246	35.7	52	22.6	61	57.5	29	19.5	30	51.7
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	3	1.3	8	2.9	12	1.7	1	0.4	6	4.8	2	1.3	3	3.7
18-19	8	3.4	30	10.9	58	8.2	10	4.3	17	13.7	2	1.3	4	4.9
20-24	82	34.7	90	32.8	225	31.8	57	24.3	44	35.5	37	24.7	27	33.3
25-29	77	32.6	80	29.2	219	30.9	84	35.7	32	25.8	62	41.3	29	35.8
30-34	40	16.9	49	17.9	145	20.5	65	27.7	16	12.9	33	22.0	13	16.0
35-39	17	7.2	13	4.7	34	4.8	14	6.0	8	6.5	13	8.7	4	4.9
40 and over	9	3.8	4	1.5	15	2.1	4	1.7	1	0.8	1	0.7	1	1.2

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	301	100.0	231	100.0	559	100.0	531	100.0	196	100.0	1,142	100.0	407	100.0
Birth Weight: Under 2500 Grams	45	15.0	14	6.1	38	6.8	29	5.5	13	6.7	58	5.1	14	3.4
Birth Weight: Above 4499 Grams	4	1.3	4	1.7	8	1.4	4	0.8	4	2.1	16	1.4	3	0.7
Gest. Age: Less than 37 Weeks	67	22.4	30	13.0	51	9.1	44	8.3	25	12.8	105	9.2	37	9.1
APGAR (5 Min.): Less than 8	33	11.0	8	3.5	69	12.3	28	5.3	4	2.1	49	4.3	22	5.4
Infant Care: NICU Admission	17	5.6	15	6.5	33	5.9	15	2.8	7	3.6	95	8.3	18	4.4
Infant Care: Transfer	11	3.7	8	3.5	6	1.1	11	2.1	4	2.0	10	0.9	9	2.2
Place of Birth: At-Home Delivery	1	0.3	3	1.3	6	1.1	9	1.7	6	3.1	6	0.5	18	4.4
Method of Delivery: Cesarean	146	49.2	87	37.7	177	31.7	153	28.9	51	26.2	338	29.6	109	27.0
Infant Care: Breastfed	75	29.4	160	72.1	376	71.6	416	79.8	137	71.0	940	85.2	321	82.9
Mat. Smoking: During Preg.	76	25.4	56	24.3	123	22.2	112	21.3	46	23.5	125	11.0	81	19.9
...Quit Smoking During Preg.	10	3.2	13	5.6	34	6.1	16	3.0	6	3.0	35	3.0	16	4.0
Mat. Wt.: Underweight	13	4.7	7	3.0	19	3.5	22	4.3	6	3.1	48	4.2	20	5.0
Mat. Wt.: Obese	85	30.8	84	36.4	151	28.0	160	31.0	56	28.7	204	18.0	107	26.7
Mat. Sing. Wt. Gain: Low	39	19.8	26	13.5	69	14.7	61	16.3	28	16.7	97	9.6	47	13.4
Mat. Sing. Wt. Gain: High	49	24.9	36	18.7	107	22.9	84	22.4	28	16.7	206	20.5	72	20.5
Mother's Education: Under 12 Yrs.	66	22.1	29	12.6	116	20.8	90	17.0	46	23.6	74	6.5	71	17.4
Marital Status: Out-of-Wedlock	197	65.4	87	37.7	228	40.8	185	34.8	80	40.8	327	28.6	128	31.4
Live Birth Order: 4 or More	45	15.3	26	11.4	92	16.5	67	12.8	37	18.9	108	9.5	67	16.7
Birth Spacing: Less than 18 Mos.	32	18.2	16	11.0	33	9.7	21	12.8	13	10.8	69	10.7	34	14.1
Prenatal Care: 1st Trimester	191	66.6	183	82.8	388	71.7	392	76.4	139	72.4	804	73.4	286	73.3
Prenatal Care: 2nd Trimester	64	22.3	35	15.8	115	21.3	89	17.3	42	21.9	210	19.2	85	21.8
Prenatal Care: 3rd Trimester	23	8.0	2	0.9	36	6.7	28	5.5	11	5.7	67	6.1	17	4.4
Prenatal Care: None	9	3.1	1	0.5	2	0.4	4	0.8	0	0.0	15	1.4	2	0.5
Prenatal Care: Inadequate	84	29.6	23	10.6	116	21.8	92	18.4	55	28.6	187	17.3	64	17.4
Maternal Utilization: Medicaid	194	75.2	86	38.4	291	52.1	253	48.2	102	52.8	264	23.3	186	45.9
Maternal Utilization: WIC	215	78.5	103	45.0	350	63.3	299	56.7	112	58.0	304	26.8	203	50.4
Maternal Utilization: FSP	159	61.9	59	26.6	203	37.6	165	33.0	76	40.6	195	19.7	135	34.1
Mother's Age: At Delivery	1	0.3	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0
15-17	13	4.3	3	1.3	9	1.6	10	1.9	2	1.0	13	1.1	4	1.0
18-19	32	10.6	19	8.2	50	8.9	40	7.5	10	5.1	47	4.1	26	6.4
20-24	132	43.9	61	26.4	185	33.1	153	28.8	76	38.8	190	16.6	125	30.7
25-29	73	24.3	77	33.3	168	30.1	158	29.8	53	27.0	343	30.0	140	34.4
30-34	34	11.3	45	19.5	107	19.1	122	23.0	40	20.4	368	32.2	85	20.9
35-39	12	4.0	22	9.5	30	5.4	34	6.4	12	6.1	161	14.1	21	5.2
40 and over	4	1.3	4	1.7	9	1.6	14	2.6	3	1.5	20	1.8	6	1.5

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	834	100.0	59	100.0	102	100.0	290	100.0	248	100.0	61	100.0	177	100.0
Birth Weight: Under 2500 Grams	52	6.2	3	5.1	8	7.8	29	10.0	16	6.5	5	8.5	19	10.7
Birth Weight: Above 4499 Grams	8	1.0	0	0.0	1	1.0	2	0.7	3	1.2	0	0.0	2	1.1
Gest. Age: Less than 37 Weeks	84	10.1	8	13.6	14	13.7	31	10.7	23	9.3	14	23.3	37	21.0
APGAR (5 Min.): Less than 8	85	10.3	3	5.2	3	2.9	19	6.6	14	5.7	1	1.6	4	2.3
Infant Care: NICU Admission	47	5.6	1	1.7	7	6.9	34	11.7	19	7.7	6	9.8	8	4.5
Infant Care: Transfer	19	2.3	0	0.0	3	2.9	9	3.1	2	0.8	3	4.9	12	6.8
Place of Birth: At-Home Delivery	6	0.7	6	10.2	0	0.0	2	0.7	1	0.4	0	0.0	3	1.7
Method of Delivery: Cesarean	250	30.0	19	32.2	35	34.3	94	32.4	82	33.1	20	33.9	37	20.9
Infant Care: Breastfed	623	81.3	44	77.2	83	83.0	175	64.8	173	71.5	36	64.3	95	60.1
Mat. Smoking: During Preg.	154	18.6	17	28.8	19	18.6	81	28.1	71	28.7	20	32.8	41	23.4
...Quit Smoking During Preg.	42	27.3	2	11.8	3	15.8	17	21.0	16	22.5	4	20.0	5	12.2
Mat. Wt.: Underweight	38	4.6	2	3.4	3	2.9	10	3.5	10	4.1	5	8.3	8	4.6
Mat. Wt.: Obese	171	20.8	22	37.9	22	21.6	92	31.8	75	30.5	18	30.0	46	26.6
Mat. Sing. Wt. Gain: Low	75	10.6	7	14.0	10	12.0	40	15.7	28	12.7	5	11.6	17	13.7
Mat. Sing. Wt. Gain: High	141	19.9	7	14.0	18	21.7	50	19.7	52	23.6	10	23.3	22	17.7
Mother's Education: Under 12 Yrs.	69	8.3	15	25.4	12	11.8	40	13.8	34	13.7	10	16.4	52	29.5
Marital Status: Out-of-Wedlock	198	23.7	24	40.7	28	27.5	124	42.8	99	39.9	27	44.3	83	46.9
Live Birth Order: 4 or More	109	13.2	9	15.3	11	10.8	32	11.0	22	8.9	8	13.1	19	10.7
Birth Spacing: Less than 18 Mos.	52	11.3	6	14.6	2	3.8	20	11.2	11	7.3	2	5.7	20	19.0
Prenatal Care: 1st Trimester	630	77.8	39	70.9	86	84.3	241	86.4	157	64.3	43	72.9	131	75.7
Prenatal Care: 2nd Trimester	136	16.8	11	20.0	14	13.7	32	11.5	73	29.9	14	23.7	34	19.7
Prenatal Care: 3rd Trimester	41	5.1	5	9.1	2	2.0	6	2.2	13	5.3	2	3.4	8	4.6
Prenatal Care: None	3	0.4	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0
Prenatal Care: Inadequate	139	17.4	15	26.8	18	17.8	21	8.9	43	18.1	16	27.1	29	17.0
Maternal Utilization: Medicaid	208	25.4	28	47.5	34	33.3	154	53.1	101	40.9	39	63.9	130	73.9
Maternal Utilization: WIC	390	47.4	33	56.9	40	39.6	184	63.7	114	46.3	40	66.7	134	78.4
Maternal Utilization: FSP	152	18.8	14	36.8	22	23.7	114	40.9	66	28.1	26	44.1	97	57.1
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	13	1.6	1	1.7	0	0.0	5	1.7	6	2.4	2	3.3	6	3.4
18-19	41	4.9	5	8.5	7	6.9	17	5.9	19	7.7	3	4.9	23	13.1
20-24	260	31.2	17	28.8	28	27.5	97	33.4	73	29.4	24	39.3	85	48.3
25-29	281	33.7	16	27.1	33	32.4	92	31.7	88	35.5	15	24.6	39	22.2
30-34	180	21.6	16	27.1	21	20.6	53	18.3	46	18.5	12	19.7	13	7.4
35-39	49	5.9	4	6.8	11	10.8	21	7.2	14	5.6	4	6.6	8	4.5
40 and over	10	1.2	0	0.0	2	2.0	5	1.7	2	0.8	1	1.6	2	1.1

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	293	100.0	65	100.0	82	100.0	524	100.0	94	100.0	64	100.0	4,548	100.0
Birth Weight: Under 2500 Grams	25	8.6	5	7.7	2	2.4	39	7.4	11	11.7	6	9.4	298	6.6
Birth Weight: Above 4499 Grams	3	1.0	2	3.1	1	1.2	3	0.6	0	0.0	0	0.0	76	1.7
Gest. Age: Less than 37 Weeks	35	11.9	4	6.2	4	4.9	67	12.8	14	14.9	5	7.8	477	10.5
APGAR (5 Min.): Less than 8	29	9.9	7	10.8	7	8.5	32	6.1	8	8.7	3	4.7	145	3.2
Infant Care: NICU Admission	18	6.1	2	3.1	0	0.0	31	5.9	8	8.5	4	6.3	162	3.6
Infant Care: Transfer	12	4.1	0	0.0	1	1.2	9	1.7	7	7.4	3	4.7	61	1.3
Place of Birth: At-Home Delivery	1	0.3	10	15.4	25	30.5	4	0.8	0	0.0	2	3.1	25	0.5
Method of Delivery: Cesarean	95	32.4	22	33.8	20	24.7	182	34.9	27	28.7	21	32.8	1,489	32.9
Infant Care: Breastfed	208	74.3	43	75.4	59	79.7	268	53.5	56	60.9	44	73.3	3,630	81.4
Mat. Smoking: During Preg.	70	24.0	14	21.5	12	14.6	142	27.3	27	28.7	14	21.9	477	10.6
...Quit Smoking During Preg.	14	20.0	5	35.7	0	0.0	21	14.8	3	11.1	1	7.1	139	29.1
Mat. Wt.: Underweight	13	4.4	2	3.2	2	2.4	22	4.2	4	4.3	0	0.0	167	3.7
Mat. Wt.: Obese	87	29.7	20	31.7	28	34.1	162	31.3	25	26.9	20	31.3	884	19.6
Mat. Sing. Wt. Gain: Low	36	14.2	8	13.8	9	11.5	56	13.9	10	13.3	10	16.9	334	8.6
Mat. Sing. Wt. Gain: High	51	20.2	12	20.7	6	7.7	79	19.6	14	18.7	10	16.9	868	22.4
Mother's Education: Under 12 Yrs.	64	21.8	13	20.0	40	48.8	98	18.7	18	19.1	6	9.4	253	5.6
Marital Status: Out-of-Wedlock	141	48.1	22	33.8	14	17.1	236	45.0	46	48.9	21	32.8	1,182	26.0
Live Birth Order: 4 or More	22	7.5	13	20.0	19	23.2	58	11.1	11	11.7	7	10.9	431	9.5
Birth Spacing: Less than 18 Mos.	18	11.0	9	21.4	2	3.6	48	16.2	11	20.8	2	5.6	219	8.9
Prenatal Care: 1st Trimester	233	80.6	45	72.6	43	53.1	382	75.6	63	67.7	52	81.3	3,649	83.2
Prenatal Care: 2nd Trimester	45	15.6	10	16.1	32	39.5	96	19.0	28	30.1	8	12.5	556	12.7
Prenatal Care: 3rd Trimester	10	3.5	7	11.3	6	7.4	26	5.1	1	1.1	3	4.7	166	3.8
Prenatal Care: None	1	0.3	0	0.0	0	0.0	1	0.2	1	1.1	1	1.6	17	0.4
Prenatal Care: Inadequate	34	12.5	16	25.0	41	50.0	89	18.1	19	20.9	14	22.6	470	10.8
Maternal Utilization: Medicaid	149	50.9	26	40.0	22	26.8	290	59.4	68	72.3	28	43.8	848	19.0
Maternal Utilization: WIC	182	62.5	32	49.2	24	29.6	349	67.0	63	67.7	32	50.0	737	16.6
Maternal Utilization: FSP	98	34.0	15	24.6	13	16.3	238	46.4	48	51.6	13	22.0	544	12.3
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
15-17	6	2.0	0	0.0	0	0.0	18	3.4	2	2.1	1	1.6	51	1.1
18-19	23	7.8	3	4.6	1	1.2	47	9.0	15	16.0	5	7.8	127	2.8
20-24	97	33.1	26	40.0	29	35.4	169	32.3	34	36.2	20	31.3	640	14.1
25-29	79	27.0	15	23.1	31	37.8	161	30.7	21	22.3	22	34.4	1,534	33.7
30-34	70	23.9	15	23.1	12	14.6	100	19.1	15	16.0	14	21.9	1,552	34.1
35-39	16	5.5	6	9.2	4	4.9	25	4.8	5	5.3	2	3.1	543	11.9
40 and over	2	0.7	0	0.0	5	6.1	4	0.8	2	2.1	0	0.0	100	2.2

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	95	100.0	743	100.0	4,694	100.0	11,510	100.0	174	100.0	360	100.0	268	100.0
Birth Weight: Under 2500 Grams	8	8.4	57	7.7	569	12.1	1,027	8.9	8	4.6	29	8.1	18	6.7
Birth Weight: Above 4499 Grams	0	0.0	5	0.7	38	0.8	109	0.9	4	2.3	2	0.6	3	1.1
Gest. Age: Less than 37 Weeks	9	9.5	86	11.6	711	15.2	1,430	12.4	19	11.0	47	13.2	33	12.4
APGAR (5 Min.): Less than 8	6	6.3	31	4.2	303	6.5	538	4.7	7	4.0	31	8.6	8	3.0
Infant Care: NICU Admission	5	5.3	34	4.6	332	7.1	661	5.7	9	5.2	22	6.1	23	8.6
Infant Care: Transfer	1	1.1	22	3.0	99	2.1	152	1.3	5	2.9	14	3.9	0	0.0
Place of Birth: At-Home Delivery	4	4.2	4	0.5	29	0.6	69	0.6	1	0.6	0	0.0	1	0.4
Method of Delivery: Cesarean	25	26.6	303	40.8	1,461	31.2	3,940	34.4	57	32.8	112	31.8	91	34.1
Infant Care: Breastfed	45	51.7	379	53.7	2,953	63.6	8,658	77.0	125	73.1	192	56.5	188	78.3
Mat. Smoking: During Preg.	27	28.4	232	31.5	657	14.1	978	8.6	34	19.5	104	29.1	67	25.2
...Quit Smoking During Preg.	6	22.2	34	14.7	155	23.6	312	31.9	5	14.7	10	9.6	12	17.9
Mat. Wt.: Underweight	6	6.4	49	6.7	191	4.1	414	3.7	8	4.6	18	5.1	22	8.5
Mat. Wt.: Obese	20	21.3	202	27.7	1,212	26.3	2,570	22.7	31	17.8	107	30.1	72	27.9
Mat. Sing. Wt. Gain: Low	11	13.9	74	11.8	423	11.7	910	9.7	10	6.7	49	17.9	30	13.8
Mat. Sing. Wt. Gain: High	17	21.5	156	24.9	763	21.1	1,873	20.0	29	19.5	61	22.3	51	23.4
Mother's Education: Under 12 Yrs.	18	18.9	123	16.6	909	19.4	965	8.4	18	10.3	63	17.6	41	15.4
Marital Status: Out-of-Wedlock	44	46.3	334	45.0	2,842	60.5	4,473	38.9	61	35.1	147	40.8	101	37.7
Live Birth Order: 4 or More	9	9.6	85	11.5	667	14.3	1,337	11.7	15	8.7	30	8.5	38	14.4
Birth Spacing: Less than 18 Mos.	2	4.0	41	9.7	354	14.2	676	10.6	9	9.6	35	18.0	17	11.3
Prenatal Care: 1st Trimester	66	71.0	498	70.0	3,074	71.1	8,755	81.7	122	74.4	254	74.7	165	69.0
Prenatal Care: 2nd Trimester	20	21.5	179	25.2	909	21.0	1,572	14.7	36	22.0	72	21.2	65	27.2
Prenatal Care: 3rd Trimester	4	4.3	29	4.1	241	5.6	291	2.7	5	3.0	10	2.9	7	2.9
Prenatal Care: None	3	3.2	5	0.7	97	2.2	102	1.0	1	0.6	4	1.2	2	0.8
Prenatal Care: Inadequate	20	22.0	147	20.5	1,137	26.9	1,411	13.4	22	13.5	51	15.5	50	21.1
Maternal Utilization: Medicaid	52	56.5	406	55.1	2,912	62.7	3,790	33.5	67	39.0	208	60.3	170	64.9
Maternal Utilization: WIC	56	59.6	450	61.0	2,567	56.1	3,682	33.0	80	46.0	216	60.5	167	62.8
Maternal Utilization: FSP	29	32.6	308	42.8	2,343	52.0	3,021	27.5	47	27.3	148	42.7	110	42.8
Mother's Age: At Delivery	0	0.0	0	0.0	7	0.1	6	0.1	0	0.0	1	0.3	0	0.0
15-17	1	1.1	16	2.2	128	2.7	157	1.4	2	1.1	10	2.8	7	2.6
18-19	10	10.5	60	8.1	293	6.2	469	4.1	13	7.5	37	10.3	15	5.6
20-24	36	37.9	267	35.9	1,280	27.3	2,137	18.6	54	31.0	140	38.9	93	34.7
25-29	33	34.7	218	29.3	1,300	27.7	3,171	27.6	55	31.6	95	26.4	75	28.0
30-34	10	10.5	134	18.0	1,135	24.2	3,618	31.4	39	22.4	55	15.3	52	19.4
35-39	4	4.2	41	5.5	465	9.9	1,661	14.4	9	5.2	18	5.0	20	7.5
40 and over	1	1.1	7	0.9	86	1.8	287	2.5	2	1.1	4	1.1	6	2.2

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<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	92	100.0	595	100.0	301	100.0	275	100.0	399	100.0	300	100.0	157	100.0
Birth Weight: Under 2500 Grams	11	12.0	48	8.1	24	8.0	16	5.8	27	6.8	33	11.1	17	10.8
Birth Weight: Above 4499 Grams	0	0.0	6	1.0	3	1.0	3	1.1	6	1.5	2	0.7	2	1.3
Gest. Age: Less than 37 Weeks	15	16.3	68	11.5	27	9.0	35	12.7	44	11.0	40	13.3	25	16.0
APGAR (5 Min.): Less than 8	12	13.0	16	2.7	20	6.8	25	9.1	15	3.8	20	6.7	7	4.5
Infant Care: NICU Admission	8	8.7	40	6.7	15	5.0	17	6.2	18	4.5	14	4.7	9	5.7
Infant Care: Transfer	3	3.3	5	0.8	7	2.3	4	1.5	6	1.5	12	4.0	11	7.0
Place of Birth: At-Home Delivery	0	0.0	6	1.0	11	3.7	15	5.5	7	1.8	1	0.3	4	2.5
Method of Delivery: Cesarean	45	48.9	162	27.4	81	27.0	82	30.3	117	29.3	108	36.0	44	28.2
Infant Care: Breastfed	63	70.8	452	80.9	185	68.8	194	75.8	308	79.0	126	44.7	78	56.1
Mat. Smoking: During Preg.	15	17.0	147	24.8	82	27.2	58	21.4	104	26.2	104	34.7	55	35.7
...Quit Smoking During Preg.	1	6.7	34	23.1	13	15.9	13	22.4	14	13.5	11	10.6	4	7.3
Mat. Wt.: Underweight	2	2.2	29	5.0	11	3.7	10	3.7	16	4.0	13	4.3	9	5.9
Mat. Wt.: Obese	28	30.8	130	22.4	84	28.3	71	26.3	103	25.9	91	30.4	47	30.7
Mat. Sing. Wt. Gain: Low	16	21.1	48	9.5	28	11.2	33	14.1	49	14.5	38	15.4	17	15.2
Mat. Sing. Wt. Gain: High	11	14.5	111	22.0	51	20.3	41	17.5	69	20.4	53	21.5	20	17.9
Mother's Education: Under 12 Yrs.	21	22.8	107	18.0	52	17.3	51	18.7	61	15.4	70	23.4	26	16.8
Marital Status: Out-of-Wedlock	38	41.3	261	43.9	100	33.2	106	38.5	178	44.6	146	48.7	69	43.9
Live Birth Order: 4 or More	15	16.3	85	14.4	46	15.6	42	15.3	43	10.8	44	14.7	18	11.5
Birth Spacing: Less than 18 Mos.	3	4.9	43	13.1	25	15.0	19	11.4	26	11.7	21	12.8	13	13.5
Prenatal Care: 1st Trimester	80	87.9	381	67.4	227	79.6	204	75.6	278	72.0	191	65.2	106	70.2
Prenatal Care: 2nd Trimester	10	11.0	137	24.2	48	16.8	52	19.3	82	21.2	78	26.6	34	22.5
Prenatal Care: 3rd Trimester	1	1.1	37	6.5	7	2.5	10	3.7	22	5.7	22	7.5	9	6.0
Prenatal Care: None	0	0.0	10	1.8	3	1.1	4	1.5	4	1.0	2	0.7	2	1.3
Prenatal Care: Inadequate	9	10.1	132	23.7	47	17.6	49	19.0	67	17.5	73	25.1	45	30.0
Maternal Utilization: Medicaid	49	53.3	391	66.5	185	62.3	139	50.7	188	47.7	177	59.6	100	65.4
Maternal Utilization: WIC	64	70.3	395	68.1	191	64.1	159	58.7	179	45.1	231	78.0	111	72.1
Maternal Utilization: FSP	31	37.3	235	41.2	112	38.2	86	38.6	133	34.7	163	56.0	81	54.4
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0
15-17	1	1.1	18	3.0	7	2.3	3	1.1	5	1.3	7	2.3	6	3.8
18-19	5	5.4	43	7.2	23	7.6	25	9.1	26	6.5	35	11.7	14	8.9
20-24	31	33.7	188	31.6	117	38.9	104	37.8	108	27.1	107	35.7	57	36.3
25-29	28	30.4	181	30.4	87	28.9	68	24.7	136	34.1	85	28.3	36	22.9
30-34	15	16.3	108	18.2	43	14.3	46	16.7	95	23.8	42	14.0	31	19.7
35-39	11	12.0	44	7.4	19	6.3	24	8.7	27	6.8	20	6.7	9	5.7
40 and over	1	1.1	13	2.2	5	1.7	4	1.5	2	0.5	4	1.3	4	2.5

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2013**

	<u>Webster</u>		<u>Worth</u>		<u>Wright</u>	
	Number	Percent	Number	Percent	Number	Percent
Live Births	539	100.0	22	100.0	245	100.0
Birth Weight: Under 2500 Grams	27	5.0	2	9.1	16	6.5
Birth Weight: Above 4499 Grams	17	3.2	0	0.0	2	0.8
Gest. Age: Less than 37 Weeks	38	7.1	1	4.5	14	5.7
APGAR (5 Min.): Less than 8	26	6.2	2	9.1	8	3.4
Infant Care: NICU Admission	32	5.9	2	9.1	15	6.1
Infant Care: Transfer	4	0.7	2	9.1	1	0.4
Place of Birth: At-Home Delivery	123	22.8	0	0.0	11	4.5
Method of Delivery: Cesarean	125	23.3	9	40.9	72	29.5
Infant Care: Breastfed	452	88.8	16	72.7	177	77.3
Mat. Smoking: During Preg.	76	14.2	5	22.7	70	28.8
...Quit Smoking During Preg.	18	3.3	0	0.0	11	4.5
Mat. Wt.: Underweight	19	3.6	0	0.0	18	7.4
Mat. Wt.: Obese	147	27.7	6	27.3	59	24.3
Mat. Sing. Wt. Gain: Low	57	12.2	3	14.3	35	15.8
Mat. Sing. Wt. Gain: High	87	18.6	3	14.3	37	16.7
Mother's Education: Under 12 Yrs.	194	36.0	2	9.1	61	24.9
Marital Status: Out-of-Wedlock	131	24.3	8	36.4	89	36.3
Live Birth Order: 4 or More	139	26.7	1	4.5	38	15.9
Birth Spacing: Less than 18 Mos.	88	25.0	2	15.4	22	15.6
Prenatal Care: 1st Trimester	254	53.5	19	86.4	157	69.5
Prenatal Care: 2nd Trimester	150	31.6	3	13.6	50	22.1
Prenatal Care: 3rd Trimester	66	13.9	0	0.0	14	6.2
Prenatal Care: None	5	1.1	0	0.0	5	2.2
Prenatal Care: Inadequate	186	39.1	1	4.5	49	22.2
Maternal Utilization: Medicaid	197	36.8	10	45.5	160	66.9
Maternal Utilization: WIC	196	37.1	14	63.6	167	68.4
Maternal Utilization: FSP	118	22.6	4	21.1	105	44.9
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0
15-17	10	1.9	0	0.0	4	1.6
18-19	39	7.2	0	0.0	27	11.0
20-24	170	31.5	8	36.4	82	33.5
25-29	151	28.0	10	45.5	74	30.2
30-34	109	20.2	2	9.1	43	17.6
35-39	47	8.7	1	4.5	9	3.7
40 and over	13	2.4	1	4.5	6	2.4

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2013**

	<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	322	100.0	636	100.0	496	100.0	363	100.0	1,444	100.0	615	100.0
Birth Weight: Under 2500 Grams	21	6.5	37	5.8	48	9.7	18	5.0	105	7.3	49	8.0
Birth Weight: Above 4499 Grams	2	0.6	11	1.7	3	0.6	5	1.4	12	0.8	8	1.3
Gest. Age: Less than 37 Weeks	32	9.9	53	8.4	62	12.5	23	6.3	160	11.1	79	12.9
APGAR (5 Min.): Less than 8	11	3.4	27	4.2	25	5.1	9	2.5	91	6.3	28	4.6
Infant Care: NICU Admission	14	4.3	54	8.5	41	8.3	12	3.3	136	9.4	44	7.2
Infant Care: Transfer	1	0.3	2	0.3	3	0.6	4	1.1	5	0.3	12	2.0
Place of Birth: At-Home Delivery	4	1.2	0	0.0	2	0.4	4	1.1	17	1.2	3	0.5
Method of Delivery: Cesarean	109	34.3	168	26.5	149	30.1	115	31.8	502	34.8	239	39.1
Infant Care: Breastfed	282	90.4	517	84.5	314	67.0	323	91.8	1,169	85.6	448	74.8
Mat. Smoking: During Preg.	13	4.1	85	13.4	117	23.7	4	1.1	169	11.8	54	8.9
...Quit Smoking During Preg.	6	46.2	31	36.5	11	9.4	1	25.0	44	26.0	18	33.3
Mat. Wt.: Underweight	5	1.6	33	5.3	27	5.6	20	5.5	67	4.7	19	3.1
Mat. Wt.: Obese	53	16.7	157	25.0	120	24.8	41	11.4	285	20.0	191	31.6
Mat. Sing. Wt. Gain: Low	16	5.9	44	8.2	48	12.6	15	4.8	111	9.1	58	11.6
Mat. Sing. Wt. Gain: High	57	20.9	158	29.4	91	23.9	65	20.6	264	21.6	106	21.2
Mother's Education: Under 12 Yrs.	11	3.4	39	6.2	86	17.4	10	2.8	125	8.7	44	7.2
Marital Status: Out-of-Wedlock	44	13.7	215	33.8	254	51.2	35	9.6	442	30.6	284	46.2
Live Birth Order: 4 or More	28	8.8	65	10.2	59	12.0	30	8.3	113	7.8	81	13.3
Birth Spacing: Less than 18 Mos.	21	11.5	32	8.9	40	14.7	19	9.3	78	9.8	37	11.1
Prenatal Care: 1st Trimester	270	89.4	459	75.0	303	64.7	313	91.0	1,200	85.3	479	84.0
Prenatal Care: 2nd Trimester	30	9.9	116	19.0	128	27.4	30	8.7	169	12.0	68	11.9
Prenatal Care: 3rd Trimester	2	0.7	30	4.9	31	6.6	1	0.3	33	2.3	16	2.8
Prenatal Care: None	0	0.0	7	1.1	6	1.3	0	0.0	5	0.4	7	1.2
Prenatal Care: Inadequate	17	5.7	98	16.5	96	21.2	16	4.7	138	11.0	67	12.0
Maternal Utilization: Medicaid	27	8.7	203	32.8	255	54.4	23	6.5	394	27.3	203	33.8
Maternal Utilization: WIC	36	11.5	204	32.3	253	51.6	24	7.0	460	32.5	220	37.2
Maternal Utilization: FSP	13	4.2	127	22.2	195	40.6	16	4.7	332	23.9	164	28.4
Mother's Age: At Delivery	0	0.0	0	0.0	1	0.2	0	0.0	1	0.1	0	0.0
15-17	1	0.3	8	1.3	8	1.6	0	0.0	13	0.9	9	1.5
18-19	4	1.2	21	3.3	39	7.9	2	0.6	37	2.6	31	5.0
20-24	33	10.3	136	21.4	134	27.0	26	7.2	265	18.4	149	24.2
25-29	96	29.9	229	36.0	157	31.7	78	21.5	506	35.0	190	30.9
30-34	120	37.4	163	25.6	116	23.4	161	44.4	417	28.9	162	26.3
35-39	60	18.7	59	9.3	34	6.9	79	21.8	177	12.3	65	10.6
40 and over	7	2.2	20	3.1	7	1.4	17	4.7	28	1.9	9	1.5



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2013**

	Gladstone		Hazelwood		Independence		Jefferson City		Joplin - Total		Joplin - Jasper County	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	313	100.0	335	100.0	1,504	100.0	603	100.0	695	100.0	625	100.0
Birth Weight: Under 2500 Grams	24	7.7	37	11.1	104	6.9	45	7.5	49	7.1	44	7.0
Birth Weight: Above 4499 Grams	3	1.0	3	0.9	25	1.7	8	1.3	11	1.6	9	1.4
Gest. Age: Less than 37 Weeks	36	11.5	52	15.5	162	10.8	68	11.3	78	11.2	69	11.1
APGAR (5 Min.): Less than 8	21	6.7	22	6.6	62	4.1	15	2.5	21	3.0	21	3.4
Infant Care: NICU Admission	41	13.1	22	6.6	128	8.5	40	6.6	55	7.9	52	8.3
Infant Care: Transfer	4	1.3	10	3.0	7	0.5	4	0.7	2	0.3	2	0.3
Place of Birth: At-Home Delivery	3	1.0	0	0.0	12	0.8	0	0.0	11	1.6	10	1.6
Method of Delivery: Cesarean	98	31.4	139	41.5	423	28.2	197	32.7	196	28.2	176	28.2
Infant Care: Breastfed	238	79.1	245	74.2	1,103	76.0	460	79.3	540	78.5	482	78.0
Mat. Smoking: During Preg.	51	16.3	42	12.6	344	23.1	101	16.8	152	21.9	141	22.6
...Quit Smoking During Preg.	15	29.4	15	35.7	64	18.6	30	29.7	39	25.7	36	25.5
Mat. Wt.: Underweight	9	2.9	11	3.3	64	4.4	31	5.1	49	7.1	46	7.4
Mat. Wt.: Obese	86	27.7	109	32.9	412	28.1	146	24.3	173	25.0	154	24.8
Mat. Sing. Wt. Gain: Low	22	8.2	32	12.2	170	13.4	56	10.9	88	14.6	77	14.3
Mat. Sing. Wt. Gain: High	77	28.7	53	20.2	306	24.1	124	24.2	116	19.3	108	20.0
Mother's Education: Under 12 Yrs.	30	9.6	26	7.8	316	21.1	77	12.8	118	17.0	105	16.8
Marital Status: Out-of-Wedlock	137	43.8	173	51.6	804	53.5	270	44.8	314	45.2	292	46.7
Live Birth Order: 4 or More	33	10.6	41	12.4	199	13.3	54	9.0	65	9.4	57	9.1
Birth Spacing: Less than 18 Mos.	19	12.2	20	11.2	116	13.7	41	12.6	59	14.7	51	14.1
Prenatal Care: 1st Trimester	203	66.8	253	79.3	917	63.5	439	75.4	437	63.6	393	63.7
Prenatal Care: 2nd Trimester	79	26.0	57	17.9	400	27.7	117	20.1	197	28.7	175	28.4
Prenatal Care: 3rd Trimester	19	6.3	7	2.2	84	5.8	24	4.1	36	5.2	33	5.3
Prenatal Care: None	3	1.0	2	0.6	42	2.9	2	0.3	17	2.5	16	2.6
Prenatal Care: Inadequate	59	20.3	46	14.6	356	25.3	98	17.4	161	23.5	146	23.7
Maternal Utilization: Medicaid	107	34.4	128	39.9	789	53.5	243	40.4	386	55.5	355	56.8
Maternal Utilization: WIC	116	37.4	143	44.3	850	57.2	242	40.6	349	50.7	318	51.4
Maternal Utilization: FSP	74	25.7	105	33.8	572	41.0	200	33.9	260	38.6	239	39.5
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	4	1.3	5	1.5	52	3.5	13	2.2	18	2.6	17	2.7
18-19	14	4.5	18	5.4	113	7.5	33	5.5	62	8.9	53	8.5
20-24	86	27.5	79	23.6	461	30.7	168	27.9	234	33.7	212	33.9
25-29	94	30.0	95	28.4	447	29.7	173	28.7	216	31.1	196	31.4
30-34	71	22.7	79	23.6	308	20.5	149	24.8	115	16.5	103	16.5
35-39	37	11.8	50	14.9	107	7.1	59	9.8	44	6.3	40	6.4
40 and over	7	2.2	9	2.7	16	1.1	7	1.2	6	0.9	4	0.6

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2013**

	Joplin - Newton County		Kansas City - Total		Kansas City - Jackson County		Kansas City - Clay County		Kansas City - Platte County		Kansas City - Cass County	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	70	100.0	7,258	100.0	4,758	100.0	1,886	100.0	611	100.0	3	100.0
Birth Weight: Under 2500 Grams	5	7.1	625	8.6	465	9.8	128	6.8	32	5.2	0	0.0
Birth Weight: Above 4499 Grams	2	2.9	84	1.2	57	1.2	15	0.8	12	2.0	0	0.0
Gest. Age: Less than 37 Weeks	9	12.9	888	12.3	637	13.4	206	10.9	45	7.4	0	0.0
APGAR (5 Min.): Less than 8	0	0.0	393	5.4	268	5.6	105	5.6	20	3.3	0	0.0
Infant Care: NICU Admission	3	4.3	771	10.6	541	11.4	172	9.1	57	9.3	1	33.3
Infant Care: Transfer	0	0.0	53	0.7	34	0.7	14	0.7	5	0.8	0	0.0
Place of Birth: At-Home Delivery	1	1.4	71	1.0	55	1.2	12	0.6	4	0.7	0	0.0
Method of Delivery: Cesarean	20	28.6	2,070	28.6	1,294	27.2	583	31.0	192	31.5	1	33.3
Infant Care: Breastfed	58	82.9	5,315	76.2	3,285	71.8	1,522	84.1	506	86.1	2	100.0
Mat. Smoking: During Preg.	11	15.7	883	12.3	618	13.1	225	11.9	40	6.6	0	0.0
...Quit Smoking During Preg.	3	27.3	239	27.1	168	27.2	56	24.9	15	37.5	0	0.0
Mat. Wt.: Underweight	3	4.3	274	3.9	178	3.9	70	3.7	26	4.3	0	0.0
Mat. Wt.: Obese	19	27.1	1,769	25.1	1,244	27.3	416	22.3	108	17.8	1	33.3
Mat. Sing. Wt. Gain: Low	11	18.0	722	11.8	498	12.7	158	9.7	66	12.0	0	0.0
Mat. Sing. Wt. Gain: High	8	13.1	1,275	20.9	806	20.5	359	22.1	109	19.9	1	33.3
Mother's Education: Under 12 Yrs.	13	18.6	1,253	17.3	1,061	22.4	155	8.2	37	6.1	0	0.0
Marital Status: Out-of-Wedlock	22	31.4	3,598	49.6	2,823	59.3	601	31.9	174	28.5	0	0.0
Live Birth Order: 4 or More	8	11.4	1,055	14.5	812	17.1	192	10.2	51	8.3	0	0.0
Birth Spacing: Less than 18 Mos.	8	20.5	580	14.1	443	16.2	106	10.2	31	9.1	0	0.0
Prenatal Care: 1st Trimester	44	62.9	4,402	64.1	2,618	58.7	1,358	74.6	423	72.7	3	100.0
Prenatal Care: 2nd Trimester	22	31.4	1,706	24.8	1,246	27.9	349	19.2	111	19.1	0	0.0
Prenatal Care: 3rd Trimester	3	4.3	589	8.6	457	10.2	91	5.0	41	7.0	0	0.0
Prenatal Care: None	1	1.4	169	2.5	140	3.1	22	1.2	7	1.2	0	0.0
Prenatal Care: Inadequate	15	21.4	1,853	27.4	1,438	32.7	308	17.3	107	18.7	0	0.0
Maternal Utilization: Medicaid	31	44.3	3,150	43.8	2,537	53.8	472	25.2	141	23.3	0	0.0
Maternal Utilization: WIC	31	44.9	3,426	48.0	2,745	59.0	510	27.3	170	28.1	1	33.3
Maternal Utilization: FSP	21	30.4	2,458	40.3	2,002	51.9	346	20.4	110	20.4	0	0.0
Mother's Age: At Delivery	0	0.0	12	0.2	12	0.3	0	0.0	0	0.0	0	0.0
15-17	1	1.4	162	2.2	123	2.6	28	1.5	11	1.8	0	0.0
18-19	9	12.9	391	5.4	293	6.2	73	3.9	25	4.1	0	0.0
20-24	22	31.4	1,784	24.6	1,346	28.3	339	18.0	97	15.9	2	66.7
25-29	20	28.6	2,151	29.6	1,368	28.8	596	31.6	187	30.6	0	0.0
30-34	12	17.1	1,823	25.1	1,057	22.2	578	30.6	188	30.8	0	0.0
35-39	4	5.7	757	10.4	442	9.3	223	11.8	92	15.1	0	0.0
40 and over	2	2.9	177	2.4	116	2.4	49	2.6	11	1.8	1	33.3

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2013**

	<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	313	100.0	1,136	100.0	314	100.0	406	100.0	1,159	100.0	367	100.0
Birth Weight: Under 2500 Grams	23	7.4	84	7.4	19	6.1	24	5.9	75	6.5	27	7.4
Birth Weight: Above 4499 Grams	4	1.3	18	1.6	6	1.9	3	0.7	16	1.4	6	1.6
Gest. Age: Less than 37 Weeks	31	9.9	114	10.1	32	10.2	40	9.9	109	9.4	35	9.6
APGAR (5 Min.): Less than 8	10	3.2	64	5.7	18	5.8	18	4.4	38	3.3	27	7.4
Infant Care: NICU Admission	17	5.4	121	10.7	28	8.9	19	4.7	38	3.3	39	10.6
Infant Care: Transfer	3	1.0	5	0.4	5	1.6	6	1.5	17	1.5	2	0.5
Place of Birth: At-Home Delivery	3	1.0	9	0.8	2	0.6	1	0.2	6	0.5	2	0.5
Method of Delivery: Cesarean	97	31.4	343	30.2	89	28.4	159	39.3	392	33.9	101	27.6
Infant Care: Breastfed	272	88.9	948	87.1	262	85.3	327	83.4	941	82.5	258	74.1
Mat. Smoking: During Preg.	9	2.9	81	7.2	38	12.1	19	4.8	100	8.7	57	15.7
...Quit Smoking During Preg.	5	55.6	25	30.9	13	34.2	13	68.4	33	33.0	16	28.1
Mat. Wt.: Underweight	13	4.2	38	3.4	12	3.9	10	2.5	42	3.7	17	4.7
Mat. Wt.: Obese	29	9.3	223	19.9	68	21.9	86	21.6	206	17.9	97	26.9
Mat. Sing. Wt. Gain: Low	13	4.9	86	9.3	23	8.5	26	7.6	84	8.4	33	10.7
Mat. Sing. Wt. Gain: High	50	18.8	213	23.0	50	18.4	72	20.9	214	21.5	69	22.5
Mother's Education: Under 12 Yrs.	7	2.2	57	5.0	19	6.1	18	4.5	68	5.9	58	15.8
Marital Status: Out-of-Wedlock	50	16.0	291	25.6	94	29.9	119	29.3	258	22.3	190	51.8
Live Birth Order: 4 or More	25	8.0	107	9.4	28	8.9	23	5.7	101	8.7	39	10.7
Birth Spacing: Less than 18 Mos.	13	7.6	55	9.2	25	13.0	13	7.0	53	8.5	27	13.8
Prenatal Care: 1st Trimester	263	90.1	841	77.9	233	75.4	325	84.2	965	86.2	229	65.6
Prenatal Care: 2nd Trimester	21	7.2	201	18.6	55	17.8	51	13.2	121	10.8	89	25.5
Prenatal Care: 3rd Trimester	6	2.1	30	2.8	18	5.8	10	2.6	28	2.5	23	6.6
Prenatal Care: None	2	0.7	8	0.7	3	1.0	0	0.0	5	0.4	8	2.3
Prenatal Care: Inadequate	21	7.3	132	12.7	50	16.6	40	10.5	85	7.7	83	24.4
Maternal Utilization: Medicaid	29	9.4	233	21.4	88	28.2	58	14.6	173	15.2	168	46.9
Maternal Utilization: WIC	31	10.3	246	21.9	76	24.2	67	17.7	157	14.0	188	51.8
Maternal Utilization: FSP	26	8.7	160	17.0	57	19.9	43	11.5	110	9.8	118	38.1
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3
15-17	0	0.0	10	0.9	8	2.5	1	0.2	21	1.8	10	2.7
18-19	4	1.3	44	3.9	9	2.9	7	1.7	39	3.4	22	6.0
20-24	20	6.4	148	13.0	62	19.7	83	20.4	146	12.6	99	27.0
25-29	73	23.3	370	32.6	101	32.2	128	31.5	376	32.4	110	30.0
30-34	152	48.6	393	34.6	79	25.2	135	33.3	405	34.9	86	23.4
35-39	57	18.2	141	12.4	47	15.0	43	10.6	141	12.2	33	9.0
40 and over	7	2.2	29	2.6	8	2.5	9	2.2	31	2.7	6	1.6

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2013**

	<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	761	100.0	1,047	100.0	4,694	100.0	655	100.0	2,108	100.0	494	100.0
Birth Weight: Under 2500 Grams	50	6.6	84	8.0	569	12.1	35	5.4	154	7.3	37	7.5
Birth Weight: Above 4499 Grams	6	0.8	9	0.9	38	0.8	9	1.4	18	0.9	3	0.6
Gest. Age: Less than 37 Weeks	90	11.8	118	11.3	711	15.2	61	9.3	191	9.1	45	9.1
APGAR (5 Min.): Less than 8	31	4.1	25	2.4	303	6.5	23	3.5	135	6.4	22	4.5
Infant Care: NICU Admission	31	4.1	57	5.4	332	7.1	22	3.4	180	8.5	27	5.5
Infant Care: Transfer	11	1.4	25	2.4	99	2.1	8	1.2	9	0.4	7	1.4
Place of Birth: At-Home Delivery	6	0.8	5	0.5	29	0.6	3	0.5	55	2.6	5	1.0
Method of Delivery: Cesarean	236	31.3	268	25.9	1,461	31.2	232	35.5	601	28.9	149	30.4
Infant Care: Breastfed	593	80.5	617	62.0	2,953	63.6	518	81.6	1,537	81.0	400	82.3
Mat. Smoking: During Preg.	99	13.1	274	26.4	657	14.1	66	10.1	513	24.6	21	4.3
...Quit Smoking During Preg.	28	28.3	62	22.6	155	23.6	16	24.2	113	22.0	8	38.1
Mat. Wt.: Underweight	27	3.6	48	4.6	191	4.1	24	3.7	102	4.9	17	3.5
Mat. Wt.: Obese	152	20.4	268	25.7	1,212	26.3	116	17.7	500	24.1	81	16.7
Mat. Sing. Wt. Gain: Low	54	8.6	121	13.2	423	11.7	29	5.1	191	10.8	33	7.8
Mat. Sing. Wt. Gain: High	133	21.1	213	23.2	763	21.1	144	25.1	420	23.8	73	17.3
Mother's Education: Under 12 Yrs.	68	8.9	208	19.9	909	19.4	17	2.6	346	16.5	28	5.7
Marital Status: Out-of-Wedlock	245	32.2	594	56.7	2,842	60.5	164	25.0	905	42.9	175	35.4
Live Birth Order: 4 or More	61	8.1	145	13.8	667	14.3	54	8.3	227	11.3	48	9.8
Birth Spacing: Less than 18 Mos.	40	10.6	90	14.5	354	14.2	24	7.2	133	12.2	15	6.6
Prenatal Care: 1st Trimester	578	79.5	777	75.2	3,074	71.1	536	84.7	1,210	65.4	371	82.1
Prenatal Care: 2nd Trimester	111	15.3	197	19.1	909	21.0	65	10.3	497	26.9	70	15.5
Prenatal Care: 3rd Trimester	33	4.5	47	4.5	241	5.6	28	4.4	113	6.1	9	2.0
Prenatal Care: None	5	0.7	12	1.2	97	2.2	4	0.6	30	1.6	2	0.4
Prenatal Care: Inadequate	106	14.7	174	16.8	1,137	26.9	63	10.1	439	24.3	55	12.4
Maternal Utilization: Medicaid	212	28.5	652	62.8	2,912	62.7	105	16.4	1,213	58.0	154	32.0
Maternal Utilization: WIC	184	24.8	600	58.0	2,567	56.1	82	12.8	1,214	58.7	145	30.7
Maternal Utilization: FSP	139	19.0	472	46.9	2,343	52.0	59	9.2	857	42.2	110	23.3
Mother's Age: At Delivery	0	0.0	4	0.4	7	0.1	0	0.0	1	0.0	1	0.2
15-17	11	1.4	25	2.4	128	2.7	9	1.4	45	2.1	7	1.4
18-19	21	2.8	87	8.3	293	6.2	9	1.4	122	5.8	16	3.2
20-24	130	17.1	370	35.3	1,280	27.3	89	13.6	662	31.4	77	15.6
25-29	268	35.2	308	29.4	1,300	27.7	228	34.8	670	31.8	133	26.9
30-34	247	32.5	171	16.3	1,135	24.2	228	34.8	442	21.0	165	33.4
35-39	74	9.7	68	6.5	465	9.9	75	11.5	135	6.4	80	16.2
40 and over	10	1.3	14	1.3	86	1.8	17	2.6	31	1.5	15	3.0

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2013**

	<u>Wentzville</u>		<u>Wildwood</u>	
	Number	Percent	Number	Percent
Live Births	534	100.0	242	100.0
Birth Weight: Under 2500 Grams	36	6.7	13	5.4
Birth Weight: Above 4499 Grams	13	2.4	3	1.2
Gest. Age: Less than 37 Weeks	57	10.7	27	11.2
APGAR (5 Min.): Less than 8	11	2.1	7	2.9
Infant Care: NICU Admission	16	3.0	6	2.5
Infant Care: Transfer	5	0.9	3	1.2
Place of Birth: At-Home Delivery	3	0.6	4	1.7
Method of Delivery: Cesarean	166	31.1	78	32.2
Infant Care: Breastfed	420	79.4	207	90.0
Mat. Smoking: During Preg.	52	9.8	10	4.2
...Quit Smoking During Preg.	14	26.9	5	50.0
Mat. Wt.: Underweight	14	2.6	11	4.6
Mat. Wt.: Obese	107	20.1	32	13.4
Mat. Sing. Wt. Gain: Low	51	11.3	13	6.4
Mat. Sing. Wt. Gain: High	107	23.7	35	17.3
Mother's Education: Under 12 Yrs.	29	5.4	3	1.2
Marital Status: Out-of-Wedlock	127	23.8	26	10.7
Live Birth Order: 4 or More	65	12.2	30	12.7
Birth Spacing: Less than 18 Mos.	26	7.8	13	8.7
Prenatal Care: 1st Trimester	434	82.5	211	91.3
Prenatal Care: 2nd Trimester	68	12.9	16	6.9
Prenatal Care: 3rd Trimester	23	4.4	4	1.7
Prenatal Care: None	1	0.2	0	0.0
Prenatal Care: Inadequate	65	12.5	15	6.7
Maternal Utilization: Medicaid	85	16.2	14	6.0
Maternal Utilization: WIC	83	15.8	13	5.6
Maternal Utilization: FSP	72	13.7	14	6.1
Mother's Age: At Delivery	0	0.0	0	0.0
Under 15	1	0.2	0	0.0
15-17	16	3.0	1	0.4
18-19	64	12.0	11	4.5
20-24	193	36.1	59	24.4
25-29	192	36.0	99	40.9
30-34	61	11.4	60	24.8
35-39	7	1.3	12	5.0
40 and over				

**Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by Selected Counties by Selected Ages by County of Residence: Missouri, 2013**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
State Total	6,919	1,823	5,096	1,024	318	706
Adair	34	6	28	5	0	5
Andrew	20	3	17	4	1	3
Atchison	4	1	3	0	0	0
Audrain	18	3	15	3	0	3
Barry	43	7	36	3	0	3
Barton	20	8	12	1	1	0
Bates	27	6	21	2	2	0
Benton	10	3	7	2	0	2
Bollinger	12	4	8	1	0	1
Boone	140	38	102	38	11	27
Buchanan	141	34	107	17	4	13
Butler	74	26	48	2	0	2
Caldwell	7	1	6	1	1	0
Callaway	46	13	33	7	5	2
Camden	27	8	19	4	1	3
Cape Girardeau	89	19	70	8	1	7
Carroll	8	4	4	1	1	0
Carter	13	4	9	0	0	0
Cass	91	16	75	14	5	9
Cedar	14	2	12	0	0	0
Chariton	11	4	7	0	0	0
Christian	71	18	53	9	2	7
Clark	5	1	4	0	0	0
Clay	214	64	150	43	16	27
Clinton	15	9	6	2	2	0
Cole	74	21	53	12	3	9
Cooper	18	3	15	1	1	0
Crawford	35	7	28	1	0	1
Dade	8	2	6	0	0	0
Dallas	24	3	21	1	1	0

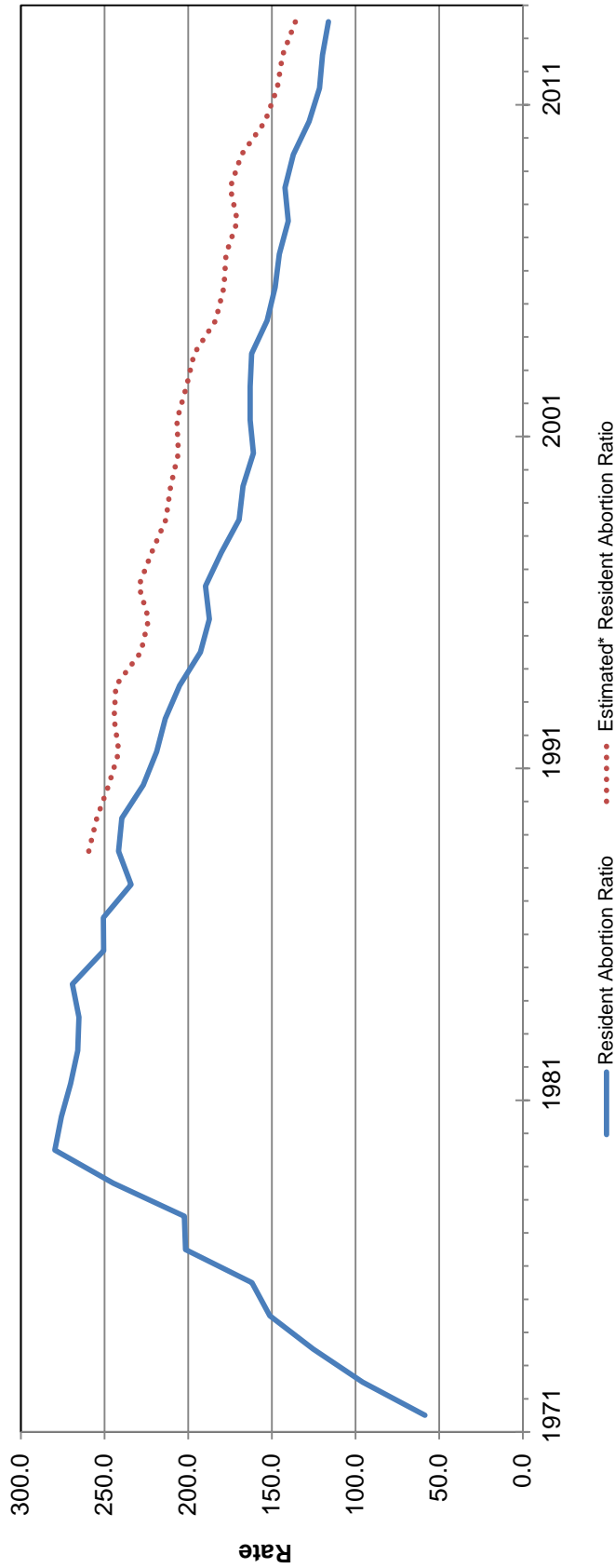
	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Davies	9	3	6	0	0	0
DeKalb	8	2	6	0	0	0
Dent	31	7	24	1	0	1
Douglas	21	3	18	1	0	1
Dunklin	66	19	47	0	0	0
Franklin	102	25	77	10	5	5
Gasconade	19	4	15	0	0	0
Gentry	4	1	3	0	0	0
Greene	289	76	213	32	10	22
Grundy	21	3	18	1	0	1
Harrison	11	2	9	0	0	0
Henry	26	2	24	3	1	2
Hickory	10	1	9	0	0	0
Holt	1	0	1	0	0	0
Howard	4	1	3	0	0	0
Howell	65	18	47	2	1	1
Iron	14	4	10	0	0	0
Jackson	965	298	667	173	61	112
Jasper	194	54	140	10	3	7
Jefferson	196	52	144	33	10	23
Johnson	49	6	43	12	1	11
Knox	3	1	2	0	0	0
Laclede	64	13	51	1	0	1
Lafayette	37	12	25	6	4	2
Lawrence	67	20	47	0	0	0
Lewis	7	2	5	0	0	0
Lincoln	76	16	60	9	1	8
Linn	16	5	11	1	1	0
Livingston	18	4	14	2	0	2
McDonald	42	14	28	2	1	1
Macon	15	3	12	1	0	1

**Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by Selected Counties by Selected Ages by County of Residence: Missouri, 2013**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Madison	19	4	15	1	0	1
Maries	1	0	1	0	0	0
Marion	41	8	33	1	1	0
Mercer	4	2	2	0	0	0
Miller	35	13	22	3	1	2
Mississippi	32	9	23	3	1	2
Moniteau	23	11	12	1	0	1
Monroe	14	3	11	1	1	0
Montgomery	21	4	17	0	0	0
Morgan	14	3	11	3	0	3
New Madrid	38	8	30	0	0	0
Newton	74	12	62	4	0	4
Nodaway	13	2	11	2	1	1
Oregon	24	6	18	1	0	1
Osage	4	2	2	0	0	0
Ozark	9	3	6	2	0	2
Pemiscot	49	16	33	3	2	1
Perry	22	3	19	0	0	0
Pettis	69	11	58	8	1	7
Phelps	54	13	41	4	3	1
Pike	13	2	11	1	0	1
Platte	68	14	54	8	1	7
Polk	35	6	29	5	2	3
Pulaski	59	13	46	5	0	5
Putnam	6	1	5	0	0	0
Ralls	9	0	9	0	0	0
Randolph	25	6	19	3	1	2
Ray	28	7	21	3	1	2
Reynolds	5	2	3	0	0	0
Ripley	31	6	25	2	0	2
St. Charles	240	74	166	60	22	38

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
St. Clair	11	1	10	0	0	0
St. Francois	82	18	64	5	1	4
Ste. Genevieve	15	2	13	0	0	0
St. Louis City	539	161	378	109	26	83
St. Louis County	894	247	647	259	82	177
Saline	34	8	26	5	2	3
Schuyler	3	0	3	0	0	0
Scotland	1	0	1	0	0	0
Scott	67	18	49	2	0	2
Shannon	18	3	15	1	1	0
Shelby	6	1	5	0	0	0
Stoddard	49	11	38	1	0	1
Stone	25	8	17	3	1	2
Sullivan	7	1	6	1	0	1
Taney	65	18	47	4	0	4
Texas	31	7	24	1	0	1
Vernon	32	6	26	3	2	1
Warren	34	6	28	3	1	2
Washington	44	7	37	1	0	1
Wayne	21	7	14	1	1	0
Webster	51	11	40	2	1	1
Wright	32	5	27	1	1	0

**Graph D. Resident Abortion Ratios per 1,000 Live Births: Missouri, 1971-2013**



Year	Recorded Resident	Resident Ratio	Estimated* Resident	Estimated* Resident Ratio	Year	Recorded Resident	Resident Ratio	Estimated* Resident	Estimated* Resident Ratio
1971	---	4,582	---	---	2005	7,977	147.9	14,025	178.6
1975	10,245	11,077	---	---	2010	6,163	127.7	11,823	154.1
1980	19,043	21,671	---	---	2011	5,751	121.4	11,161	146.7
1985	19,482	19,210	---	---	2012	5,624	119.7	10,824	143.6
1990	16,366	17,947	19,582	247.5	2013	5,416	116.2	10,217	135.8
1995	11,203	13,635	16,281	223.6					
2000	7,884	12,292	15,710	205.8					

Source: 1971-1974 Centers for Disease Control; 1975-2013 Missouri Department of Health & Senior Services, Bureau of Vital Statistics.

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.

\*Estimate Resident: Resident Abortions as defined above plus estimated Missouri resident counts from Illinois for 1988-2013 and Tennessee in 1997-2005. See Appendix under Vital Records for more information.



**Table 12A. Resident Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2013**

	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>	8,740	5,450	1,384	885	347	243	293	74	63	1	
<b>Patient's Race</b>											
White, Non-Hispanic	4,666	3,082	675	441	174	108	121	33	32	0	
Black, Non-Hispanic	3,186	1,733	592	380	152	111	154	36	27	1	
Other, Non-Hispanic	467	347	52	30	10	17	9	1	1	0	
Unknown, Non-Hispanic	15	10	1	2	0	0	1	1	0	0	
Hispanic, Any Race	406	278	64	32	11	7	8	3	3	0	
<b>Patient's Age</b>											
Under 15	29	13	6	5	2	0	3	0	0	0	
15	65	33	10	8	3	4	5	1	1	0	
16	99	42	19	13	6	9	8	1	1	0	
17	125	60	23	19	8	3	10	2	0	0	
18	278	166	52	34	11	6	6	2	1	0	
19	428	236	85	47	20	19	16	4	1	0	
20-24	2,978	1,796	518	317	124	76	97	31	19	0	
25-29	2,243	1,417	345	228	82	62	68	19	22	0	
30-34	1,499	1,006	189	132	55	42	55	7	12	1	
35-39	727	487	109	61	26	16	19	5	4	0	
40 and Over	268	193	28	21	10	6	6	2	2	0	
Unknown	1	1	0	0	0	0	0	0	0	0	
<b>Type of Procedure</b>											
Curettage	5,063	2,669	1,328	880	172	12	2	0	0	0	
Intrauterine Instillation	0	0	0	0	0	0	0	0	0	0	
Hysterotomy/Hysterectomy	1	0	0	0	1	0	0	0	0	0	
Laminaria D & E	830	2	2	4	174	231	286	72	59	0	
Medical/Nonsurgical	2,839	2,774	54	1	0	0	4	1	4	1	
Unknown	3	2	0	0	0	0	1	0	0	0	
Other	4	3	0	0	0	0	0	1	0	0	

**Table 12B. Recorded Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2013**

	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>	5,416	3,179	902	600	240	159	228	52	56	0	
<b>Patient's Race</b>											
White, Non-Hispanic	2,705	1,697	400	281	114	68	93	21	31	0	
Black, Non-Hispanic	2,286	1,187	434	285	119	81	129	28	23	0	
Other, Non-Hispanic	258	195	33	14	5	7	3	1	0	0	
Unknown, Non-Hispanic	2	0	0	1	0	0	0	1	0	0	
Hispanic, Any Race	165	100	35	19	2	3	3	1	2	0	
<b>Patient's Age</b>											
Under 15	20	8	5	4	0	0	3	0	0	0	
15	39	17	6	7	1	3	4	1	0	0	
16	54	19	8	9	5	5	7	0	1	0	
17	78	36	14	12	5	2	7	1	1	0	
18	171	94	33	30	5	4	5	0	0	0	
19	301	153	61	38	16	15	15	2	1	0	
20-24	1,917	1,088	350	205	91	55	87	24	17	0	
25-29	1,347	788	231	151	57	43	45	13	19	0	
30-34	894	587	109	88	36	17	40	5	12	0	
35-39	427	277	66	39	18	10	9	5	3	0	
40 and Over	167	111	19	17	6	5	6	1	2	0	
Unknown	1	1	0	0	0	0	0	0	0	0	
<b>Type of Procedure</b>											
Curettage	3,454	1,860	873	598	121	1	1	0	0	0	
Intrauterine Instillation	0	0	0	0	0	0	0	0	0	0	
Hysterotomy/Hysterectomy	1	0	0	0	1	0	0	0	0	0	
Laminaria D & E	601	1	0	2	117	158	222	50	51	0	
Medical/Nonsurgical	1,357	1,318	29	0	0	0	4	1	5	0	
Unknown	2	0	0	0	1	0	1	0	0	0	
Other	1	0	0	0	0	0	0	1	0	0	

**Table 13. Resident Abortions by Age, Marital Status, and Education by Race and Hispanic Origin: Missouri, 2013**

	Total	Patient's Race				
		White, Non-Hispanic	Black, Non-Hispanic	Other, Non-Hispanic	Unknown, Non-Hispanic	Hispanic, Any Race
<b>State Total</b>	8,740	4,666	3,186	467	15	406
<b>Patient's Age</b>						
Under 15	29	15	11	1	0	2
15	65	38	20	1	0	6
16	99	59	35	2	0	3
17	125	60	59	3	0	3
18	278	149	98	15	1	15
19	428	233	152	21	0	22
20-24	2,978	1,563	1,105	158	6	146
25-29	2,243	1,187	864	99	3	90
30-34	1,499	799	528	97	3	72
35-39	727	407	238	46	1	35
40 and Over	268	155	76	24	1	12
Unknown	1	1	0	0	0	0
<b>Marital Status</b>						
Never Married	3,873	1,731	1,905	123	0	114
Currently Married	1,195	778	201	146	5	65
Formerly Married	232	191	31	7	0	3
Unmarried, Unspecified	3,221	1,832	984	181	8	216
Unknown	219	134	65	10	2	8
<b>Years of Education</b>						
0-8	182	68	50	26	0	38
9-11	935	483	330	50	0	72
12	3,243	1,517	1,490	113	2	121
13-15	2,681	1,539	895	126	3	118
16 or More	1,350	882	300	125	7	36
Unknown	349	177	121	27	3	21

**Table 14. Resident Abortions and Ratios per 1,000 Live Births by County and BRFSS Region of Residence: Missouri, 2013**

Counties	Number	Ratio	Counties	Number	Ratio	Counties	Number	Ratio
State Total	8,740	116.2	Dent	5	27.8	Miller	16	52.8
Adair	14	56.0	Douglas	2	14.3	Mississippi	7	44.0
Andrew	21	107.7	Dunklin	21	44.8	Moniteau	4	18.2
Atchison	2	33.3	Franklin	84	68.3	Monroe	2	22.0
Audrain	15	46.0	Gasconade	4	21.9	Montgomery	7	54.7
Barry	11	27.4	Gentry	0	0.0	Morgan	14	59.3
Barton	6	42.6	Greene	305	87.0	New Madrid	4	14.6
Bates	8	40.4	Grundy	5	30.7	Newton	16	22.6
Benton	7	50.7	Harrison	1	8.2	Nodaway	10	42.6
Bollinger	1	8.3	Henry	20	80.0	Oregon	4	32.3
Boone	309	142.7	Hickory	0	0.0	Osage	7	46.7
Buchanan	111	96.2	Holt	3	57.7	Ozark	3	37.0
Butler	23	39.7	Howard	11	88.7	Pemiscot	21	69.8
Caldwell	5	59.5	Howell	11	21.7	Perry	4	17.3
Callaway	35	66.7	Iron	5	54.9	Pettis	35	62.6
Camden	24	62.5	Jackson	1,915	202.0	Phelps	26	49.0
Cape Girardeau	45	47.8	Jasper	51	30.2	Pike	9	45.9
Carroll	6	48.8	Jefferson	201	76.2	Platte	58	50.8
Carter	0	0.0	Johnson	58	81.2	Polk	19	46.7
Cass	120	97.5	Knox	2	35.1	Pulaski	48	57.6
Cedar	3	18.5	Laclede	16	36.3	Putnam	1	16.9
Chariton	4	38.5	Lafayette	21	58.2	Ralls	0	0.0
Christian	55	56.1	Lawrence	11	22.1	Randolph	20	69.0
Clark	0	0.0	Lewis	2	17.1	Ray	16	64.5
Clay	439	144.3	Lincoln	39	53.0	Reynolds	1	16.4
Clinton	20	98.5	Linn	9	62.5	Ripley	3	16.9
Cole	94	99.4	Livingston	8	48.5	Saline	30	102.4
Cooper	12	58.5	Macon	3	15.2	Schuyler	2	30.8
Crawford	9	28.9	Madison	9	66.2	Scotland	1	12.2
Dade	1	16.1	Maries	5	80.6	Scott	14	26.7
Dallas	9	43.1	Marion	8	20.6	Shannon	4	42.6
Davies	3	28.0	McDonald	4	12.7	Shelby	0	0.0
DeKalb	8	76.9	Mercer	1	29.4	St. Charles	443	97.4
St. Clair	0	0.0						
St. Francois	43	57.9						
St. Louis City	1,107	235.8						
St. Louis County	2,252	195.7						
Ste. Genevieve	11	63.2						
Stoddard	13	36.1						
Stone	8	29.9						
Sullivan	5	54.3						
Taney	26	43.7						
Texas	1	3.3						
Vernon	14	50.9						
Warren	16	40.1						
Washington	9	30.0						
Wayne	2	12.7						
Webster	14	26.0						
Worth	0	0.0						
Wright	5	20.4						
BRFSS Regions	Number	Ratio	BRFSS Regions	Number	Ratio	BRFSS Regions	Number	Ratio
Northeast	126	41.6	Northeast	126	41.6	Northeast	126	41.6
Northwest	223	74.9	Northwest	223	74.9	Northwest	223	74.9
Central	696	79.0	Central	696	79.0	Central	696	79.0
Southeast	257	36.3	Southeast	257	36.3	Southeast	257	36.3
Southwest	580	51.4	Southwest	580	51.4	Southwest	580	51.4
St. Louis Region	4,151	159.3	St. Louis Region	4,151	159.3	St. Louis Region	4,151	159.3
Kansas City Region	2,602	162.7	Kansas City Region	2,602	162.7	Kansas City Region	2,602	162.7
Metro	7,864	138.1	Metro	7,864	138.1	Metro	7,864	138.1
Non-Metro	771	42.1	Non-Metro	771	42.1	Non-Metro	771	42.1

**Table 15. Resident Abortions by Marital Status, Number of Living Children, and Number of Previous Abortions by Age of Patient: Missouri, 2013**

	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>State Total</b>	8,740	29	289	706	2,978	2,243	1,499	727	256	12	1
<b>Marital Status</b>											
Never Married	3,873	20	156	423	1,597	947	481	186	62	1	0
Currently Married	1,195	0	1	11	167	320	365	229	97	5	0
Formerly Married	232	0	0	1	18	50	90	51	22	0	0
Unmarried, Unspecified	3,221	9	125	257	1,116	878	521	238	71	6	0
Unknown	219	0	7	14	80	48	42	23	4	0	1
<b>Number of Living Children</b>											
0	3,438	28	279	564	1,524	648	270	96	27	2	0
1	2,326	1	10	125	955	668	377	143	44	2	1
2	1,767	0	0	16	390	569	446	247	95	4	0
3	750	0	0	1	99	216	244	132	58	0	0
4	301	0	0	0	7	98	110	63	21	2	0
5	109	0	0	0	3	34	31	34	6	1	0
6+	49	0	0	0	0	10	21	12	5	1	0
<b>Number of Previous Abortions</b>											
0	5,330	29	275	612	2,081	1,166	702	337	120	7	1
1	2,257	0	14	86	678	709	451	238	80	1	0
2	771	0	0	7	167	246	215	96	38	2	0
3	250	0	0	0	40	87	78	33	11	1	0
4	76	0	0	1	7	24	29	10	5	0	0
5	28	0	0	0	3	5	13	5	1	1	0
6+	26	0	0	0	1	6	11	8	0	0	0
Unknown	2	0	0	0	1	0	0	0	1	0	0

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Counties: Missouri, 2013**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
State Total	6,044,171	75,244	57,256	17,988	76,390	59,456	12.4	9.5	3.0
Adair	25,572	250	208	42	510	230	9.8	8.1	1.6
Andrew	17,445	195	186	9	0	126	11.2	10.7	0.5
Atchison	5,449	60	73	-13	44	61	11.0	13.4	-2.4
Audrain	25,661	326	307	19	238	303	12.7	12.0	0.7
Barry	35,572	402	400	2	277	304	11.3	11.2	0.1
Barton	12,275	141	163	-22	3	135	11.5	13.3	-1.8
Bates	16,550	198	202	-4	3	162	12.0	12.2	-0.2
Benton	18,932	138	267	-129	6	186	7.3	14.1	-6.8
Bollinger	12,490	121	131	-10	2	77	9.7	10.5	-0.8
Boone	170,773	2,166	1,059	1,107	4,114	1,875	12.7	6.2	6.5
Buchanan	89,631	1,154	942	212	1,640	1,121	12.9	10.5	2.4
Butler	43,083	580	585	-5	1,406	691	13.5	13.6	-0.1
Caldwell	9,097	84	102	-18	2	60	9.2	11.2	-2.0
Callaway	44,359	525	371	154	6	236	11.8	8.4	3.5
Camden	43,862	384	458	-74	602	474	8.8	10.4	-1.7
Cape Girardeau	77,320	942	732	210	1,975	1,297	12.2	9.5	2.7
Carroll	9,127	123	129	-6	2	86	13.5	14.1	-0.7
Carter	6,291	93	58	35	0	27	14.8	9.2	5.6
Cass	100,641	1,231	946	285	13	689	12.2	9.4	2.8
Cedar	13,913	162	187	-25	25	140	11.6	13.4	-1.8
Chariton	7,628	104	78	26	1	66	13.6	10.2	3.4
Christian	80,899	980	563	417	9	353	12.1	7.0	5.2
Clark	6,910	75	94	-19	6	52	10.9	13.6	-2.7
Clay	230,473	3,043	1,624	1,419	2,480	2,024	13.2	7.0	6.2
Clinton	20,571	203	247	-44	127	296	9.9	12.0	-2.1
Cole	76,699	946	627	319	1,552	808	12.3	8.2	4.2
Cooper	17,647	205	182	23	2	162	11.6	10.3	1.3
Crawford	24,543	311	264	47	299	238	12.7	10.8	1.9
Dade	7,578	62	97	-35	3	67	8.2	12.8	-4.6
Dallas	16,535	209	194	15	8	131	12.6	11.7	0.9
Davies	8,294	107	95	12	33	49	12.9	11.5	1.4
DeKalb	12,840	104	132	-28	0	77	8.1	10.3	-2.2
Dent	15,730	180	190	-10	7	160	11.4	12.1	-0.6
Douglas	13,515	140	185	-45	4	129	10.4	13.7	-3.3
Dunklin	31,712	469	423	46	444	334	14.8	13.3	1.5
Franklin	101,816	1,229	906	323	854	813	12.1	8.9	3.2
Gasconade	14,901	183	199	-16	1	145	12.3	13.4	-1.1
Gentry	6,775	88	100	-12	14	93	13.0	14.8	-1.8

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Counties: Missouri, 2013**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Greene	283,870	3,506	2,643	863	6,374	3,992	12.4	9.3	3.0
Grundy	10,355	163	142	21	233	111	15.7	13.7	2.0
Harrison	8,741	122	120	2	8	87	14.0	13.7	0.2
Henry	22,059	250	299	-49	340	234	11.3	13.6	-2.2
Hickory	9,305	59	137	-78	2	95	6.3	14.7	-8.4
Holt	4,568	52	69	-17	4	54	11.4	15.1	-3.7
Howard	10,257	124	110	14	1	65	12.1	10.7	1.4
Howell	40,393	508	547	-39	644	605	12.6	13.5	-1.0
Iron	10,344	91	126	-35	0	99	8.8	12.2	-3.4
Jackson	679,996	9,478	6,091	3,387	11,489	7,420	13.9	9.0	5.0
Jasper	116,398	1,686	1,154	532	766	942	14.5	9.9	4.6
Jefferson	221,396	2,639	1,834	805	438	1,330	11.9	8.3	3.6
Johnson	54,572	714	371	343	729	317	13.1	6.8	6.3
Knox	4,067	57	56	1	6	30	14.0	13.8	0.2
Laclede	35,667	441	380	61	404	285	12.4	10.7	1.7
Lafayette	32,943	361	376	-15	5	247	11.0	11.4	-0.5
Lawrence	38,185	498	461	37	233	380	13.0	12.1	1.0
Lewis	10,152	117	91	26	3	75	11.5	9.0	2.6
Lincoln	53,860	736	420	316	1	326	13.7	7.8	5.9
Linn	12,368	144	182	-38	6	122	11.6	14.7	-3.1
Livingston	14,871	165	167	-2	195	150	11.1	11.2	-0.1
Macon	15,544	198	188	10	10	168	12.7	12.1	0.6
Madison	12,431	136	188	-52	1	147	10.9	15.1	-4.2
Maries	9,018	62	107	-45	2	59	6.9	11.9	-5.0
Marion	28,904	389	307	82	624	356	13.5	10.6	2.8
McDonald	22,558	315	227	88	6	138	14.0	10.1	3.9
Mercer	3,695	34	28	6	5	17	9.2	7.6	1.6
Miller	25,092	303	294	9	0	177	12.1	11.7	0.4
Mississippi	14,282	159	168	-9	0	103	11.1	11.8	-0.6
Moniteau	15,748	220	149	71	46	110	14.0	9.5	4.5
Monroe	8,774	91	89	2	4	55	10.4	10.1	0.2
Montgomery	11,965	128	152	-24	1	126	10.7	12.7	-2.0
Morgan	20,265	236	266	-30	47	190	11.6	13.1	-1.5
New Madrid	18,365	274	237	37	1	140	14.9	12.9	2.0
Newton	58,845	708	674	34	2,330	1,173	12.0	11.5	0.6
Nodaway	23,261	235	194	41	324	166	10.1	8.3	1.8
Oregon	10,996	124	151	-27	3	93	11.3	13.7	-2.5
Osage	13,688	150	115	35	0	75	11.0	8.4	2.6
Ozark	9,560	81	126	-45	1	87	8.5	13.2	-4.7

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Counties: Missouri, 2013**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Pemiscot	17,823	301	269	32	87	186	16.9	15.1	1.8
Perry	19,072	231	189	42	142	163	12.1	9.9	2.2
Pettis	42,205	559	425	134	519	391	13.2	10.1	3.2
Phelps	44,807	531	419	112	900	443	11.9	9.4	2.5
Pike	18,669	196	202	-6	8	155	10.5	10.8	-0.3
Platte	93,310	1,142	617	525	820	484	12.2	6.6	5.6
Polk	30,974	407	349	58	543	297	13.1	11.3	1.9
Pulaski	53,748	834	302	532	545	202	15.5	5.6	9.9
Putnam	4,875	59	58	1	53	49	12.1	11.9	0.2
Ralls	10,192	102	107	-5	0	42	10.0	10.5	-0.5
Randolph	24,940	290	304	-14	182	258	11.6	12.2	-0.6
Ray	23,039	248	264	-16	1	185	10.8	11.5	-0.7
Reynolds	6,599	61	89	-28	0	58	9.2	13.5	-4.2
Ripley	14,032	177	189	-12	3	135	12.6	13.5	-0.9
Saline	23,252	293	291	2	251	219	12.6	12.5	0.1
Schuyler	4,358	65	60	5	9	35	14.9	13.8	1.1
Scotland	4,921	82	60	22	181	63	16.7	12.2	4.5
Scott	39,290	524	446	78	469	417	13.3	11.4	2.0
Shannon	8,297	94	102	-8	0	68	11.3	12.3	-1.0
Shelby	6,177	64	85	-21	2	58	10.4	13.8	-3.4
St. Charles	373,495	4,548	2,494	2,054	2,864	2,441	12.2	6.7	5.5
St. Clair	9,487	95	139	-44	5	98	10.0	14.7	-4.6
St. Francois	66,215	743	747	-4	845	655	11.2	11.3	-0.1
St. Louis City	318,416	4,694	2,960	1,734	3,187	4,148	14.7	9.3	5.4
St. Louis County	1,001,444	11,510	9,452	2,058	21,300	11,069	11.5	9.4	2.1
Ste. Genevieve	17,778	174	186	-12	136	139	9.8	10.5	-0.7
Stoddard	29,780	360	393	-33	1	285	12.1	13.2	-1.1
Stone	31,297	268	409	-141	0	262	8.6	13.1	-4.5
Sullivan	6,448	92	81	11	0	56	14.3	12.6	1.7
Taney	53,575	595	545	50	549	509	11.1	10.2	0.9
Texas	25,636	301	289	12	273	218	11.7	11.3	0.5
Vernon	20,949	275	256	19	370	199	13.1	12.2	0.9
Warren	32,999	399	273	126	7	146	12.1	8.3	3.8
Washington	25,172	300	295	5	2	208	11.9	11.7	0.2
Wayne	13,404	157	217	-60	4	114	11.7	16.2	-4.5
Webster	36,466	539	309	230	125	216	14.8	8.5	6.3
Worth	2,090	22	32	-10	0	20	10.5	15.3	-4.8
Wright	18,473	245	208	37	9	142	13.3	11.3	2.0



**Table 16B. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Cities with Over 25,000 Population: Missouri, 2013**

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	30,498	322	196	127	8	83	10.6	6.4	4.2
Blue Springs	53,294	636	395	241	188	198	11.9	7.4	4.5
Cape Girardeau	38,816	496	427	69	1,964	1,034	12.8	11.0	1.8
Chesterfield	47,749	363	489	-126	1,837	815	7.6	10.2	-2.6
Columbia	115,276	1,444	677	767	4,105	1,468	12.5	5.9	6.7
Florissant	52,363	615	600	15	0	648	11.7	11.5	0.3
Gladstone	26,157	313	275	38	3	79	12.0	10.5	1.5
Hazelwood	25,668	335	222	113	0	65	13.1	8.6	4.4
Independence	117,240	1,504	1,380	124	1,431	1,289	12.8	11.8	1.1
Jefferson City	43,330	603	431	172	1,530	781	13.9	9.9	4.0
Kirkwood	27,596	313	265	48	3	125	11.3	9.6	1.7
Lee's Summit	93,184	1,136	642	494	1,754	763	12.2	6.9	5.3
Liberty	30,096	314	208	106	1,092	450	10.4	6.9	3.5
Maryland Heights	27,436	406	235	171	1	255	14.8	8.6	6.2
O'Fallon	82,809	1,159	542	617	593	459	14.0	6.5	7.5
Raytown	29,510	367	377	-10	2	207	12.4	12.8	-0.3
St. Charles	67,569	761	581	180	733	953	11.3	8.6	2.7
St. Joseph	77,147	1,047	823	224	1,639	1,089	13.6	10.7	2.9
St. Louis City	318,416	4,694	2,960	1,734	3,187	3,931	14.7	9.3	5.4
St. Peters	54,842	655	402	253	386	511	11.9	7.3	4.6
Springfield	164,122	2,108	1,786	322	6,365	3,597	12.8	10.9	2.0
University City	35,148	494	327	167	3	119	14.1	9.3	4.8
Wentzville	32,509	534	163	371	3	125	16.4	5.0	11.4
Wildwood	35,787	242	116	126	3	29	6.8	3.2	3.5

**Table 16C. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Multi-County Cities: Missouri, 2013**

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	50,789	695	544	151	2,788	1,388	13.7	10.7	3.0
...Jasper Co. Part	43,791	625	456	169	469	518	14.3	10.4	3.9
...Newton Co. Part	6,998	70	88	-18	2,319	870	10.0	12.6	-2.6
Kansas City	467,007	7,258	3,663	3,595	8,831	5,022	15.5	7.8	7.7
...Jackson Co. Part	303,973	4,758	2,687	2,071	8,017	4,351	15.7	8.8	6.8
...Clay Co. Part	117,634	1,886	672	1,214	0	346	16.0	5.7	10.3
...Platte Co. Part	45,203	611	304	307	814	325	13.5	6.7	6.8
...Cass Co. Part	197	3	0	3	0	0	15.2	0.0	15.2

**Table 17A. Resident Live Births and Deaths By Cities with 10,000 to 24,999 Population: Missouri, 2013**

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Poplar Bluff	272	300
Raymore	243	205
Republic	223	106
Rolla	273	171
St. Ann	164	158
Sedalia	335	256
Sikeston	259	217
Town and Country	57	149
Troy	170	133
Union	155	96
Warrensburg	233	133
Washington	178	123
Webb City	180	130
Webster Groves	263	229
West Plains	166	201

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Arnold	230	185
Bellefontaine Neighbors	140	151
Belton	348	196
Bolivar	158	138
Branson	153	124
Bridgeton	118	157
Carthage	282	173
Clayton	98	72
Crestwood	121	139
Creve Coeur	149	221
Dardenne Prairie	117	59
Eureka	114	82
Excelsior Springs	130	120
Farmington	182	243
Ferguson	315	154
Festus	172	137
Fulton	136	113
Grain Valley	209	55
Grandview	419	183
Hannibal	265	214
Harrisonville	127	140
Jackson	184	144
Jennings	212	163
Kennett	183	162
Kirkville	177	148
Lake St. Louis	140	92
Lebanon	235	189
Manchester	222	110
Marshall	169	136
Maryville	98	92
Mexico	161	166
Moberly	168	193
Neosho	197	135
Nixa	267	161
Overland	233	168
Ozark	301	142

**Table 17B. Resident Live Births and Deaths By Cities with 2,500 to 9,999 Population: Missouri, 2013**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths	Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ashland	68	38	De Soto	77	76
Aurora	112	72	Des Peres	75	75
Ava	46	55	Dexter	115	135
Battlefield	84	26	East Prairie	43	49
Bel-Ridge	47	23	Eldon	61	74
Berkeley	143	70	El Dorado Springs	49	87
Bethany	48	63	Ellisville	73	142
Black Jack	66	88	Fayette	30	35
Bonne Terre	60	64	Fenton	29	41
Boonville	106	86	Fredricktown	47	96
Bowling Green	40	48	Frontenac	22	27
Breckenridge Hills	66	36	Glendale	69	34
Brentwood	118	52	Green Park	21	52
Brookfield	60	81	Greenwood	66	16
Buckner	40	38	Hayti	48	49
Buffalo	46	67	Herculaneum	63	38
Butler	60	71	Higginsville	60	73
Byrnes Mill	25	17	Hillsboro	40	24
California	65	56	Hollister	64	52
Camdenton	76	64	Holts Summit	52	31
Cameron	92	142	Kearney	106	45
Carl Junction	92	35	Knob Noster	47	15
Carrllton	64	62	Ladue	69	64
Caruthersville	121	97	Lamar	63	82
Cassville	46	55	Lexington	52	63
Centralia	52	46	Licking	32	27
Chaffee	42	47	Louisiana	60	60
Charleston	64	60	Macon	73	80
Chillicothe	112	125	Malden	60	64
Clarkson Valley	12	13	Maplewood	111	56
Clinton	121	144	Marshfield	104	87
Cottleville	50	14	Monett	129	105
Crystal City	5	5	Monroe City	36	32
Cuba	48	46	Montgomery City	49	17
Dellwood	79	46	Moscow Mills	54	17
Deslodge	68	78	Mountain Grove	77	72

**Table 17B. Resident Live Births and Deaths By Cities with 2,500 to 9,999 Population: Missouri, 2013**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
St. Robert	113	17
Salem	85	82
Savannah	74	80
Scott City	63	39
Shrewsbury	69	117
Smithville	94	64
Sugar Creek	39	36
Sullivan	126	84
Sunset Hills	58	138
Tipton	28	35
Trenton	97	102
Valley Park	85	70
Vandalia	34	45
Warrenton	136	84
Waynesville	85	42
Weldon Spring	29	67
Willard	76	41
Windsor	35	42
Woodson Terrace	44	46
Wright City	68	29

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Mountain View	49	50
Mount Vernon	67	107
Nevada	128	140
New Madrid	55	46
Normandy	72	30
North Kansas City	33	56
Northwoods	43	65
Oak Grove	94	65
Odessa	75	63
Olivette	78	55
Osage Beach	47	82
Owensville	51	44
Pacific	77	77
Pagedale	49	39
Palmyra	45	31
Park Hills	140	78
Parkville	54	24
Peculiar	72	33
Perryville	111	125
Pevely	92	47
Pine Lawn	46	30
Platte City	69	48
Pleasant Hill	124	76
Pleasant Valley	40	31
Portageville	48	41
Potosi	54	65
Richmond	72	95
Richmond Heights	104	64
Riverside	49	42
Riverview	51	18
Rock Hill	74	43
Rogersville	59	22
St. Clair	76	43
Ste. Genevieve	37	57
St. James	58	81
St. John	93	64

**Table 18A. Twelve Leading Causes of Death and Death Rates per 100,000 Residents: Missouri, 2013**

Race	Causes of Death	Number	Crude Rate	Age-Adjusted Rate	Percent Of Total
Total (All Races)	1. Diseases of heart	14,036	232.2	193.8	24.5
	2. Malignant neoplasms	12,902	213.5	178.7	22.5
	3. Chronic lower respiratory disease	3,800	62.9	52.9	6.6
	4. Unintentional injuries	2,965	49.1	46.7	5.2
	5. Cerebrovascular diseases	2,913	48.2	40.3	5.1
	6. Alzheimer's disease	2,018	33.4	27.4	3.5
	7. Diabetes mellitus	1,477	24.4	20.5	2.6
	8. Influenza and pneumonia	1,347	22.3	18.6	2.4
	9. Nephritis and nephrosis	1,298	21.5	17.9	2.3
	10. Suicide	958	15.8	15.6	1.7
	11. Septicemia	802	13.3	11.1	1.4
	12. Chronic liver disease and cirrhosis	597	9.9	8.4	1.0
	All other causes	12,143	200.9	172.9	21.2
	Total (All Causes)	57,256	947.3	804.9	100.0

**Table 18B. Twelve Leading Causes of Death by Race and Death Rates per 100,000 Residents: Missouri, 2013**

Race	Causes of Death	Number	Percent Of Total	Race	Causes of Death	Number	Percent Of Total
White, Non-Hispanic	1. Diseases of heart	12,463	24.7	Other Races	1. Malignant neoplasms	145	24.4
	2. Malignant neoplasms	11,350	22.5		2. Diseases of heart	114	19.2
	3. Chronic lower respiratory disease	3,567	7.1		3. Unintentional injuries	50	8.4
	4. Cerebrovascular diseases	2,568	5.1		4. Cerebrovascular diseases	29	4.9
	5. Unintentional injuries	2,554	5.1		5. Chronic lower respiratory disease	22	3.7
	6. Alzheimer's disease	1,886	3.7		6. Diabetes mellitus	19	3.2
	7. Influenza and pneumonia	1,244	2.5		7. Suicide	17	2.9
	8. Diabetes mellitus	1,217	2.4		8. Homicide	14	2.4
	9. Nephritis and nephrosis	1,092	2.2		9. Conditions orig. in perinatal period	13	2.2
	10. Suicide	878	1.7		10. Influenza and pneumonia	12	2.0
	11. Septicemia	687	1.4		10. Nephritis and nephrosis	12	2.0
	12. Pneumonitis due to solids and liquids	526	1.0		12. Alzheimer's disease	11	1.9
	All other causes	10,449	20.7		All other causes	136	22.9
Total (All Causes)	50,481	100.0	Total (All Causes)	594	100.0		
Black, Non-Hispanic	1. Diseases of heart	1,352	23.9	Hispanic, Any Race	1. Diseases of heart	97	20.7
	2. Malignant neoplasms	1,298	23.0		2. Malignant neoplasms	91	19.4
	3. Unintentional injuries	319	5.7		3. Unintentional injuries	40	8.5
	4. Cerebrovascular diseases	285	5.0		4. Cerebrovascular diseases	29	6.2
	5. Homicide	230	4.1		5. Diabetes mellitus	20	4.3
	6. Diabetes mellitus	218	3.9		6. Chronic liver disease and cirrhosis	17	3.6
	7. Chronic lower respiratory disease	198	3.5		6. Nephritis and nephrosis	17	3.6
	8. Nephritis and nephrosis	177	3.1		8. Conditions orig. in perinatal period	16	3.4
	9. Alzheimer's disease	113	2.0		8. Suicide	16	3.4
	10. Septicemia	98	1.7		10. Homicide	10	2.1
	11. Influenza and pneumonia	82	1.5		11. Chronic lower respiratory disease	9	1.9
	12. Essential hypertension	73	1.3		11. Septicemia	9	1.9
	All other causes	1,203	21.3		All other causes	97	20.7
Total (All Causes)	5,646	100.0	Total (All Causes)	468	100.0		

**Table 19. Five Leading Causes of Death and Percentages for Selected Resident Age Groups: Missouri, 2013**

Age Group	Causes of Death	Number	Percent Of Total
Under 1 year	1. Conditions orig. in perinatal period	250	51.2
	2. Congenital anomalies	97	19.9
	3. Unintentional injuries	64	13.1
	4. Cerebrovascular diseases	4	0.8
	4. Homicide	4	0.8
	<b>Total (All Causes)</b>	488	100.0
1-4 years	1. Unintentional injuries	21	26.6
	2. Congenital anomalies	10	12.7
	3. Diseases of heart	7	8.9
	4. Homicide	6	7.6
	5. Malignant neoplasms	5	6.3
	<b>Total (All Causes)</b>	79	100.0
5-14 years	1. Unintentional injuries	37	31.1
	2. Malignant neoplasms	23	19.3
	3. Suicide	8	6.7
	4. Congenital anomalies	5	4.2
	4. Homicide	5	4.2
	<b>Total (All Causes)</b>	5	4.2
15-24 years	1. Unintentional injuries	119	100.0
	2. Suicide	283	43.6
	3. Homicide	90	13.9
	4. Malignant neoplasms	31	4.8
	5. Diseases of heart	18	2.8
	<b>Total (All Causes)</b>	649	100.0
25-34 years	1. Unintentional injuries	359	36.4
	2. Suicide	146	14.8
	3. Homicide	126	12.8
	4. Diseases of heart	81	8.2
	5. Malignant neoplasms	63	6.4
	<b>Total (All Causes)</b>	986	100.0

Age Group	Causes of Death	Number	Percent Of Total
35-44 years	1. Unintentional injuries	364	23.5
	2. Diseases of heart	278	17.9
	3. Malignant neoplasms	213	13.7
	4. Suicide	178	11.5
	5. Homicide	67	4.3
	<b>Total (All Causes)</b>	1,550	100.0
45-54 years	1. Malignant neoplasms	1,050	26.7
	2. Diseases of heart	866	22.0
	3. Unintentional injuries	431	11.0
	4. Suicide	198	5.0
	5. Chronic liver disease and cirrhosis	160	4.1
	<b>Total (All Causes)</b>	3,934	100.0
55-64 years	1. Malignant neoplasms	2,573	33.8
	2. Diseases of heart	1,786	23.5
	3. Chronic lower respiratory disease	460	6.0
	4. Unintentional injuries	352	4.6
	5. Diabetes mellitus	270	3.5
	<b>Total (All Causes)</b>	7,611	100.0
65-74 years	1. Malignant neoplasms	3,533	34.6
	2. Diseases of heart	2,280	22.3
	3. Chronic lower respiratory disease	957	9.4
	4. Cerebrovascular diseases	402	3.9
	5. Diabetes mellitus	341	3.3
	<b>Total (All Causes)</b>	10,207	100.0
75-84 years	1. Diseases of heart	3,448	24.5
	2. Malignant neoplasms	3,349	23.8
	3. Chronic lower respiratory disease	1,269	9.0
	4. Cerebrovascular diseases	845	6.0
	5. Alzheimer's disease	540	3.8
	<b>Total (All Causes)</b>	14,073	100.0
85 years & over	1. Diseases of heart	5,268	30.0
	2. Malignant neoplasms	2,058	11.7
	3. Alzheimer's disease	1,350	7.7
	4. Cerebrovascular diseases	1,256	7.2
	5. Chronic lower respiratory disease	932	5.3
	<b>Total (All Causes)</b>	17,559	100.0



**Table 20. Resident Deaths with Age-Specific Rates per 1,000 Residents By Age Groups By Sex and Race: Missouri, 2013**

Age at Death	Age-Specific Rate			All Races			White, Non-Hispanic			Black, Non-Hispanic		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
	All Ages	9.5	9.6	9.3	57,256	28,571	28,685	50,481	25,075	25,406	5,646	2,902
Under 1 Year	6.5	7.0	6.0	488	268	220	302	167	135	126	69	57
1-4 Years	0.3	0.3	0.2	79	43	36	56	32	24	17	6	11
5-9 Years	0.1	0.2	0.1	54	34	20	30	18	12	16	11	5
10-14 Years	0.2	0.2	0.2	65	34	31	50	26	24	11	6	5
15-19 Years	0.6	0.8	0.4	226	156	70	167	111	56	48	38	10
20-24 Years	1.0	1.3	0.6	423	291	132	305	204	101	99	77	22
25-29 Years	1.1	1.6	0.6	430	315	115	308	221	87	96	73	23
30-34 Years	1.4	1.9	0.9	556	375	181	409	280	129	127	81	46
35-39 Years	1.8	2.4	1.2	640	420	220	502	317	185	114	86	28
40-44 Years	2.4	3.0	1.8	910	561	349	711	429	282	152	108	44
45-49 Years	3.7	4.4	3.1	1,455	846	609	1,182	691	491	218	123	95
50-54 Years	5.6	7.0	4.1	2,479	1,545	934	2,058	1,287	771	363	224	139
55-59 Years	8.2	10.4	6.1	3,423	2,110	1,313	2,804	1,757	1,047	525	307	218
60-64 Years	11.7	14.6	9.0	4,188	2,498	1,690	3,467	2,082	1,385	619	349	270
65-69 Years	16.4	19.4	13.7	4,728	2,646	2,082	4,132	2,318	1,814	514	280	234
70-74 Years	25.1	30.4	20.6	5,479	3,058	2,421	4,868	2,732	2,136	518	273	245
75-79 Years	39.9	47.2	34.0	6,330	3,321	3,009	5,668	3,021	2,647	551	249	302
80-84 Years	64.8	75.4	57.5	7,743	3,680	4,063	7,091	3,398	3,693	550	240	310
85 Years & Over	142.9	157.3	135.9	17,559	6,369	11,190	16,370	5,983	10,387	982	302	680
Unknown Age	0.0	0.0	0.0	1	1	0	1	1	0	0	0	0

**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2013**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	57,256	488	79	54	65	226	423	430	556	640	910
Enterocolitis due to Clostridium difficile	217	0	0	0	0	0	0	0	1	0	0
Septicemia	802	3	0	0	1	1	1	4	2	5	11
HIV / AIDS	78	0	0	0	0	0	1	3	6	6	7
Malignant neoplasms	12,902	4	5	13	10	17	14	12	51	78	135
...Colon, rectum, and anus	1,124	0	0	0	0	0	1	2	6	8	17
...Pancreas	784	0	0	0	0	0	1	0	2	3	8
...Trachea, bronchus, and lung	3,982	0	0	0	0	0	0	0	3	6	15
...Breast	864	0	0	0	0	0	1	1	4	14	24
...Cervix uteri, corpus uteri, and ovary	558	0	0	0	0	0	0	1	5	9	16
...Prostate	496	0	0	0	0	0	0	0	0	0	0
...Urinary tract	671	0	0	0	0	1	1	0	2	2	2
...Non-Hodgkin's lymphoma	414	0	0	0	0	0	1	0	5	1	1
...Leukemia	499	2	1	2	5	4	1	0	4	2	7
...Other malignant neoplasms	3,510	2	4	11	5	12	8	8	20	33	45
Diabetes mellitus	1,477	0	1	0	1	0	3	2	10	15	20
Alzheimer's disease	2,018	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	554	0	0	0	0	0	0	0	0	0	0
Diseases of heart	14,036	2	7	0	2	7	11	30	51	93	185
Essential hypertension	440	1	0	0	0	1	0	0	0	2	6
Cerebrovascular diseases	2,913	4	1	0	0	3	3	2	6	13	20
Influenza and pneumonia	1,347	3	2	2	3	1	6	7	2	14	11
Chronic lower respiratory disease	3,800	0	1	2	0	0	0	4	7	6	8
Pneumonitis due to solids and liquids	576	0	0	1	1	0	1	0	1	1	1
Chronic liver disease and cirrhosis	597	0	0	0	0	0	0	1	6	8	22
Nephritis and nephrosis	1,298	1	0	1	0	4	2	1	3	6	10
Perinatal conditions	254	250	0	1	1	2	0	0	0	0	0
Congenital anomalies	183	97	10	1	4	5	3	1	6	2	5
Symptoms and ill-defined conditions	408	21	4	0	2	5	9	9	12	9	9
All other diseases	8,865	30	19	9	11	20	39	35	58	77	130
Unintentional injuries	2,965	64	21	20	17	93	190	158	201	182	182
...Motor vehicle crashes	757	1	7	11	12	69	91	70	62	48	49
...Falls	703	0	1	0	0	0	2	3	3	3	4
...Accidental poisoning	903	0	0	0	1	11	72	74	119	112	100
...Other unintentional injuries	602	63	13	9	4	13	25	11	17	19	29
Suicide	958	0	0	0	8	36	75	71	77	77	101
Homicide	390	4	6	2	3	31	59	74	52	35	32
All other external causes	178	4	2	2	1	0	6	12	10	11	15

**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2013**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,455	2,479	3,423	4,188	4,728	5,479	6,330	7,743	17,559	1
Enterocolitis due to Clostridium difficile	1	1	5	10	13	23	26	40	97	0
Septicemia	9	36	50	77	88	86	90	123	215	0
HIV / AIDS	10	14	11	6	9	3	2	0	0	0
Malignant neoplasms	351	699	1,111	1,462	1,728	1,805	1,761	1,588	2,058	0
...Colon, rectum, and anus	28	76	82	114	114	145	147	148	236	0
...Pancreas	19	40	71	79	117	111	110	105	118	0
...Trachea, bronchus, and lung	93	222	365	487	626	662	568	485	450	0
...Breast	48	59	89	118	112	94	95	83	122	0
...Cervix uteri, corpus uteri, and ovary	23	35	49	65	83	68	67	55	82	0
...Prostate	3	6	16	27	47	69	71	95	162	0
...Urinary tract	14	30	49	67	74	71	103	99	156	0
...Non-Hodgkin's lymphoma	4	11	24	32	48	56	79	67	85	0
...Leukemia	13	16	18	41	53	69	73	71	117	0
...Other malignant neoplasms	106	204	348	432	454	460	448	380	530	0
Diabetes mellitus	40	69	125	145	166	175	199	178	328	0
Alzheimer's disease	0	2	2	16	26	82	188	352	1,350	0
Parkinson's disease	0	3	4	9	15	50	97	124	252	0
Diseases of heart	314	552	807	979	1,029	1,251	1,500	1,948	5,268	0
Essential hypertension	5	12	19	23	31	30	42	63	205	0
Cerebrovascular diseases	35	78	103	142	164	238	341	504	1,256	0
Influenza and pneumonia	20	39	48	52	70	104	126	193	644	0
Chronic lower respiratory disease	51	103	176	284	411	546	606	663	932	0
Pneumonitis due to solids and liquids	8	11	10	20	33	37	63	96	292	0
Chronic liver disease and cirrhosis	63	97	111	80	61	58	39	27	24	0
Nephritis and nephrosis	13	37	62	71	109	132	143	218	485	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	6	5	6	12	5	1	5	3	6	0
Symptoms and ill-defined conditions	8	18	23	35	35	21	29	33	126	0
All other diseases	193	325	403	538	558	661	891	1,352	3,516	0
Unintentional injuries	189	242	213	139	118	118	145	208	464	1
...Motor vehicle crashes	40	55	51	41	35	32	33	22	28	0
...Falls	5	18	25	29	35	41	78	131	325	0
...Accidental poisoning	128	124	89	34	16	11	1	4	6	1
...Other unintentional injuries	16	45	48	35	32	34	33	51	105	0
Suicide	96	102	97	62	45	45	24	21	23	0
Homicide	30	17	22	5	4	5	5	0	4	0
All other external causes	13	17	15	21	10	8	8	9	14	0

Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2013

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	28,571	268	43	34	34	156	291	315	375	420	561
Enterocolitis due to Clostridium difficile	71	0	0	0	0	0	0	0	0	0	0
Septicemia	411	2	0	0	0	0	0	3	1	4	3
HIV / AIDS	66	0	0	0	0	0	1	3	5	6	5
Malignant neoplasms	6,732	2	2	8	6	8	7	6	24	33	50
...Colon, rectum, and anus	571	0	0	0	0	0	1	1	4	6	9
...Pancreas	406	0	0	0	0	0	0	0	1	1	1
...Trachea, bronchus, and lung	2,213	0	0	0	0	0	0	0	2	4	6
...Breast	8	0	0	0	0	0	0	0	0	0	1
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0	0
...Prostate	496	0	0	0	0	0	0	0	0	0	0
...Urinary tract	436	0	0	0	0	0	1	0	2	1	1
...Non-Hodgkin's lymphoma	230	0	0	0	0	0	0	0	3	0	1
...Leukemia	287	1	0	2	4	1	1	0	3	2	5
...Other malignant neoplasms	2,085	1	2	6	2	7	4	5	9	19	26
Diabetes mellitus	755	0	0	0	0	0	3	1	5	10	11
Alzheimer's disease	632	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	352	0	0	0	0	0	0	0	0	0	0
Diseases of heart	7,350	2	2	0	1	5	5	21	33	63	122
Essential hypertension	200	1	0	0	0	1	0	0	0	2	6
Cerebrovascular diseases	1,190	1	1	0	0	2	1	1	1	6	13
Influenza and pneumonia	588	1	1	2	2	1	5	2	0	6	6
Chronic lower respiratory disease	1,767	0	1	2	0	0	0	2	2	3	5
Pneumonitis due to solids and liquids	317	0	0	1	0	0	0	0	1	1	1
Chronic liver disease and cirrhosis	399	0	0	0	0	0	0	0	3	6	14
Nephritis and nephrosis	642	0	0	1	0	1	1	1	3	5	8
Perinatal conditions	133	132	0	0	0	1	0	0	0	0	0
Congenital anomalies	98	57	5	1	1	1	1	1	5	1	2
Symptoms and ill-defined conditions	183	14	2	0	2	2	6	7	9	6	4
All other diseases	3,721	16	12	6	6	11	17	19	35	50	74
Unintentional injuries	1,791	36	13	11	10	64	130	119	145	119	127
...Motor vehicle crashes	513	0	3	6	8	44	61	57	45	31	39
...Falls	346	0	1	0	0	0	1	2	2	2	3
...Accidental poisoning	555	0	0	0	0	7	50	50	83	67	62
...Other unintentional injuries	377	36	9	5	2	13	18	10	15	19	23
Suicide	767	0	0	0	4	29	59	58	58	63	73
Homicide	315	1	3	2	1	30	51	63	41	32	28
All other external causes	91	3	1	0	1	0	4	8	4	4	9

**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2013**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	846	1,545	2,110	2,498	2,646	3,058	3,321	3,680	6,369	1
Enterocolitis due to Clostridium difficile	1	1	3	3	6	9	7	15	26	0
Septicemia	6	24	33	38	51	42	47	56	101	0
HIV / AIDS	9	11	8	5	8	3	2	0	0	0
Malignant neoplasms	159	380	621	812	914	986	948	814	952	0
...Colon, rectum, and anus	16	43	57	75	68	73	82	65	71	0
...Pancreas	14	29	42	41	66	55	58	51	47	0
...Trachea, bronchus, and lung	47	129	208	284	347	396	311	256	223	0
...Breast	0	2	2	0	1	0	0	1	1	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0
...Prostate	3	6	16	27	47	69	71	95	162	0
...Urinary tract	11	25	31	45	49	47	68	56	99	0
...Non-Hodgkin's lymphoma	3	8	14	22	26	31	45	37	40	0
...Leukemia	5	10	9	30	34	40	42	43	55	0
...Other malignant neoplasms	60	128	242	288	276	275	271	210	254	0
Diabetes mellitus	24	42	81	92	94	91	94	81	126	0
Alzheimer's disease	0	2	1	5	11	34	88	142	349	0
Parkinson's disease	0	2	2	5	14	38	66	72	153	0
Diseases of heart	220	392	559	672	676	754	868	988	1,967	0
Essential hypertension	3	10	12	15	15	18	26	29	62	0
Cerebrovascular diseases	18	43	69	83	81	141	162	206	361	0
Influenza and pneumonia	11	20	24	28	40	54	63	85	237	0
Chronic lower respiratory disease	25	47	84	152	190	273	300	303	378	0
Pneumonitis due to solids and liquids	5	9	3	14	18	24	35	54	151	0
Chronic liver disease and cirrhosis	38	76	79	58	38	42	25	14	6	0
Nephritis and nephrosis	8	17	32	36	58	76	70	109	216	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	4	2	2	5	4	0	3	1	2	0
Symptoms and ill-defined conditions	4	10	15	21	16	6	16	11	32	0
All other diseases	104	184	244	292	291	351	398	565	1,046	0
Unintentional injuries	115	168	134	97	73	69	73	110	177	1
...Motor vehicle crashes	28	39	39	28	19	21	17	12	16	0
...Falls	3	17	15	20	25	25	39	72	119	0
...Accidental poisoning	72	73	50	22	6	6	1	1	4	1
...Other unintentional injuries	12	39	30	27	23	17	16	25	38	0
Suicide	63	88	83	50	35	40	22	20	22	0
Homicide	25	10	12	3	4	3	4	0	2	0
All other external causes	4	7	9	12	9	4	4	5	3	0

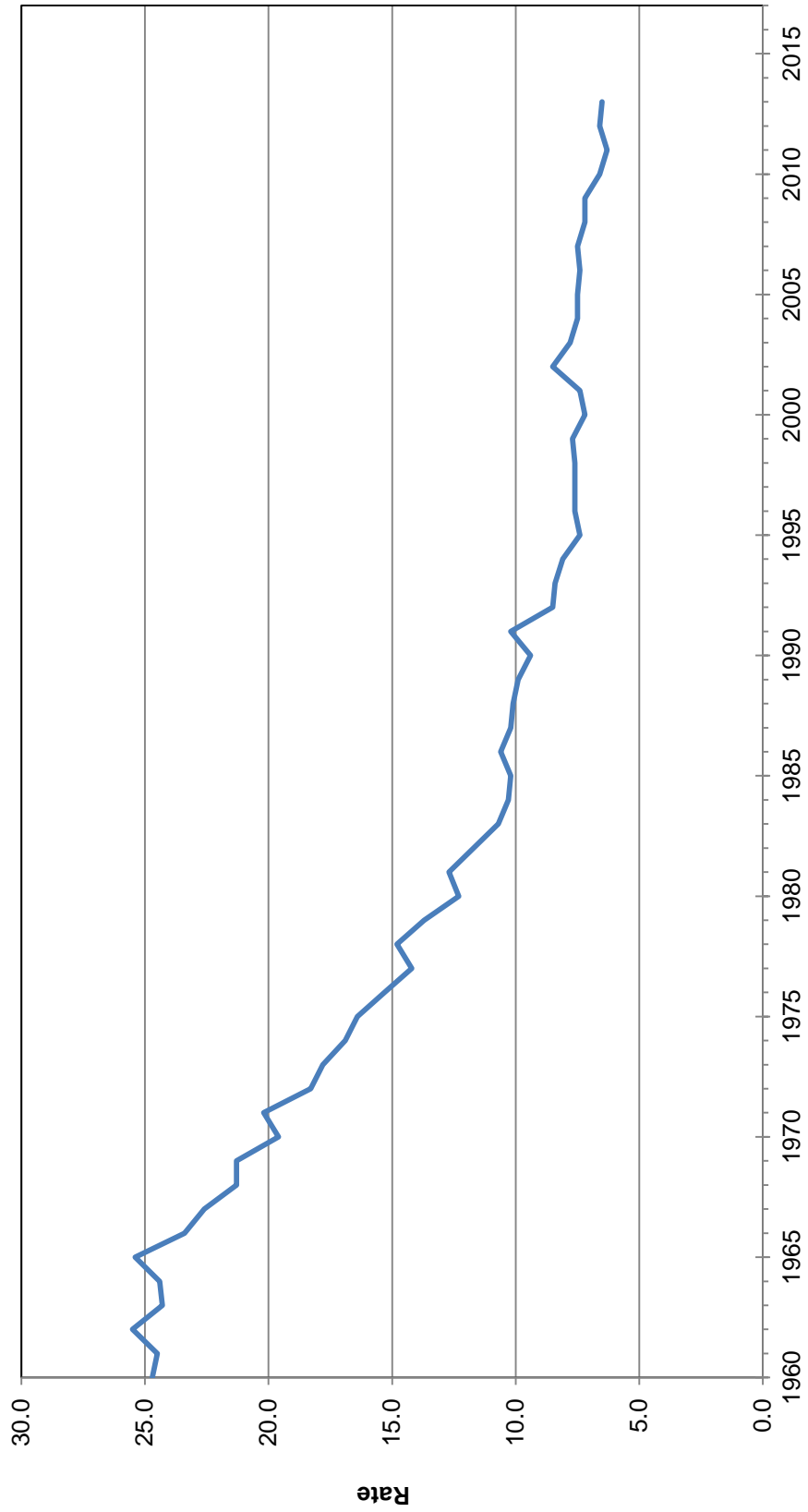
Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2013

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	28,685	220	36	20	31	70	132	115	181	220	349
Enterocolitis due to Clostridium difficile	146	0	0	0	0	0	0	0	1	0	0
Septicemia	391	1	0	0	1	1	1	1	1	1	8
HIV / AIDS	12	0	0	0	0	0	0	0	0	0	2
Malignant neoplasms	6,170	2	3	5	4	9	7	6	27	45	85
...Colon, rectum, and anus	553	0	0	0	0	0	0	1	2	2	8
...Pancreas	378	0	0	0	0	0	1	0	1	2	7
...Trachea, bronchus, and lung	1,769	0	0	0	0	0	0	0	1	2	9
...Breast	856	0	0	0	0	0	1	1	4	14	23
...Cervix uteri, corpus uteri, and ovary	558	0	0	0	0	0	0	1	5	9	16
...Prostate	0	0	0	0	0	0	0	0	0	0	0
...Urinary tract	235	0	0	0	0	1	0	0	0	1	1
...Non-Hodgkin's lymphoma	184	0	0	0	0	0	1	0	2	1	0
...Leukemia	212	1	1	0	1	3	0	0	1	0	2
...Other malignant neoplasms	1,425	1	2	5	3	5	4	3	11	14	19
Diabetes mellitus	722	0	1	0	1	0	0	1	5	5	9
Alzheimer's disease	1,386	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	202	0	0	0	0	0	0	0	0	0	0
Diseases of heart	6,686	0	5	0	1	2	6	9	18	30	63
Essential hypertension	240	0	0	0	0	0	0	0	0	0	0
Cerebrovascular diseases	1,723	3	0	0	0	1	2	1	5	7	7
Influenza and pneumonia	759	2	1	0	1	0	1	5	2	8	5
Chronic lower respiratory disease	2,033	0	0	0	0	0	0	2	5	3	3
Pneumonitis due to solids and liquids	259	0	0	0	1	0	1	0	0	0	0
Chronic liver disease and cirrhosis	198	0	0	0	0	0	0	1	3	2	8
Nephritis and nephrosis	656	1	0	0	0	3	1	0	0	1	2
Perinatal conditions	121	118	0	1	1	1	0	0	0	0	0
Congenital anomalies	85	40	5	0	3	4	2	0	1	1	3
Symptoms and ill-defined conditions	225	7	2	0	0	3	3	2	3	3	5
All other diseases	5,144	14	7	3	5	9	22	16	23	27	56
Unintentional injuries	1,174	28	8	9	7	29	60	39	56	63	55
...Motor vehicle crashes	244	1	4	5	4	25	30	13	17	17	10
...Falls	357	0	0	0	0	0	1	1	1	1	1
...Accidental poisoning	348	0	0	0	1	4	22	24	36	45	38
...Other unintentional injuries	225	27	4	4	2	0	7	1	2	0	6
Suicide	191	0	0	0	4	7	16	17	13	14	28
Homicide	75	3	3	0	2	1	8	11	11	3	4
All other external causes	87	1	1	2	0	0	2	4	6	7	6

**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2013**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	609	934	1,313	1,690	2,082	2,421	3,009	4,063	11,190	0
Enterocolitis due to Clostridium difficile	0	0	2	7	7	14	19	25	71	0
Septicemia	3	12	17	39	37	44	43	67	114	0
HIV / AIDS	1	3	3	1	1	0	0	0	0	0
Malignant neoplasms	192	319	490	650	814	819	813	774	1,106	0
...Colon, rectum, and anus	12	33	25	39	46	72	65	83	165	0
...Pancreas	5	11	29	38	51	56	52	54	71	0
...Trachea, bronchus, and lung	46	93	157	203	279	266	257	229	227	0
...Breast	48	57	87	118	111	94	95	82	121	0
...Cervix uteri, corpus uteri, and ovary	23	35	49	65	83	68	67	55	82	0
...Prostate	0	0	0	0	0	0	0	0	0	0
...Urinary tract	3	5	18	22	25	24	35	43	57	0
...Non-Hodgkin's lymphoma	1	3	10	10	22	25	34	30	45	0
...Leukemia	8	6	9	11	19	29	31	28	62	0
...Other malignant neoplasms	46	76	106	144	178	185	177	170	276	0
Diabetes mellitus	16	27	44	53	72	84	105	97	202	0
Alzheimer's disease	0	0	1	11	15	48	100	210	1,001	0
Parkinson's disease	0	1	2	4	1	12	31	52	99	0
Diseases of heart	94	160	248	307	353	497	632	960	3,301	0
Essential hypertension	2	2	7	8	16	12	16	34	143	0
Cerebrovascular diseases	17	35	34	59	83	97	179	298	895	0
Influenza and pneumonia	9	19	24	24	30	50	63	108	407	0
Chronic lower respiratory disease	26	56	92	132	221	273	306	360	554	0
Pneumonitis due to solids and liquids	3	2	7	6	15	13	28	42	141	0
Chronic liver disease and cirrhosis	25	21	32	22	23	16	14	13	18	0
Nephritis and nephrosis	5	20	30	35	51	56	73	109	269	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	2	3	4	7	1	1	2	2	4	0
Symptoms and ill-defined conditions	4	8	8	14	19	15	13	22	94	0
All other diseases	89	141	159	246	267	310	493	787	2,470	0
Unintentional injuries	74	74	79	42	45	49	72	98	287	0
...Motor vehicle crashes	12	16	12	13	16	11	16	10	12	0
...Falls	2	1	10	9	10	16	39	59	206	0
...Accidental poisoning	56	51	39	12	10	5	0	3	2	0
...Other unintentional injuries	4	6	18	8	9	17	17	26	67	0
Suicide	33	14	14	12	10	5	2	1	1	0
Homicide	5	7	10	2	0	2	1	0	2	0
All other external causes	9	10	6	9	1	4	4	4	11	0

**Graph E. Resident Infant Deaths per 1,000 Live Births: Missouri, 1960-2013**



Year	Infant Deaths	Rate	Year	Infant Deaths	Rate
1960	2,414	24.7	2006	599	7.4
1965	2,060	25.4	2007	613	7.5
1970	1,580	19.6	2008	583	7.2
1975	1,123	16.4	2009	564	7.2
1980	970	12.3	2010	504	6.6
			2011	482	6.3
			2012	496	6.6
			2013	488	6.5



**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
By County and Cities w/25,000 or More Population: Missouri, 2013**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	743	488	418	325	163	24
<b>Counties</b>						
Adair	3	1	2	1	0	0
Andrew	1	0	1	0	0	0
Atchison	1	0	1	0	0	0
Audrain	2	3	0	2	1	0
Barry	7	6	2	5	1	0
Barton	0	0	0	0	0	0
Bates	1	0	1	0	0	0
Benton	0	0	0	0	0	1
Bollinger	3	2	3	0	2	0
Boone	17	9	8	9	0	1
Buchanan	22	12	15	7	5	0
Butler	5	5	0	5	0	0
Caldwell	0	1	0	0	1	0
Callaway	5	2	4	1	1	0
Camden	2	2	1	1	1	1
Cape Girardeau	9	9	6	3	6	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	11	10	4	7	3	1
Cedar	2	1	1	1	0	0
Chariton	1	3	0	1	2	0
Christian	8	4	5	3	1	0
Clark	2	0	2	0	0	0
Clay	27	13	16	11	2	1
Clinton	1	1	0	1	0	0
Cole	9	4	6	3	1	0
Cooper	3	2	1	2	0	0
Crawford	7	1	6	1	0	0
Dade	0	0	0	0	0	0
Dallas	2	1	2	0	1	0
Davies	0	1	0	0	1	0
DeKalb	1	0	1	0	0	0
Dent	1	3	1	0	3	0
Douglas	4	1	3	1	0	1
Dunklin	2	4	1	1	3	0
Franklin	8	7	6	2	5	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	1	1	0	1	0	0
Gentry	1	0	1	0	0	0
Greene	29	23	14	15	8	1
Grundy	2	1	1	1	0	0
Harrison	0	0	0	0	0	0
Henry	2	0	2	0	0	1
Hickory	0	0	0	0	0	0
Holt	2	1	2	0	1	0
Howard	0	0	0	0	0	0
Howell	6	4	3	3	1	0
Iron	1	0	1	0	0	0
Jackson	90	55	56	34	21	2
Jasper	20	14	10	10	4	1
Jefferson	26	14	16	10	4	1
Johnson	3	2	1	2	0	0
Knox	1	0	1	0	0	0
Laclede	9	6	6	3	3	0
Lafayette	4	4	0	4	0	0
Lawrence	4	2	2	2	0	0
Lewis	0	0	0	0	0	0
Lincoln	8	5	5	3	2	0
Linn	2	1	1	1	0	0
Livingston	0	0	0	0	0	0
McDonald	6	5	2	4	1	0
Macon	3	0	3	0	0	0
Madison	4	2	2	2	0	0
Maries	1	0	1	0	0	0
Marion	8	1	7	1	0	0
Mercer	0	0	0	0	0	0
Miller	2	2	1	1	1	0
Mississippi	2	2	1	1	1	0
Moniteau	1	0	1	0	0	0
Monroe	1	0	1	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	1	0	1	0	0	3
New Madrid	5	2	4	1	1	0
Newton	8	7	3	5	2	0
Nodaway	2	1	1	1	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, 2013**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	3	0	0	3	0
Osage	2	3	1	1	2	0
Ozark	2	1	1	1	0	0
Pemiscot	5	5	2	3	2	0
Perry	1	2	0	1	1	0
Pettis	3	2	2	1	1	0
Phelps	1	1	1	0	1	0
Pike	1	0	1	0	0	0
Platte	10	10	4	6	4	0
Polk	3	3	2	1	2	0
Pulaski	11	9	5	6	3	0
Putnam	1	0	1	0	0	0
Ralls	3	0	3	0	0	0
Randolph	2	2	0	2	0	0
Ray	4	5	0	4	1	1
Reynolds	0	0	0	0	0	0
Ripley	0	1	0	0	1	0
St. Charles	33	18	19	14	4	0
St. Clair	4	2	2	2	0	0
St. Francois	7	5	4	3	2	0
Ste. Genevieve	0	1	0	0	1	0
St. Louis City	75	55	35	40	15	3
St. Louis County	115	63	69	46	17	2
Saline	3	4	0	3	1	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	5	6	1	4	2	0
Shannon	0	1	0	0	1	0
Shelby	1	2	0	1	1	0
Stoddard	1	0	1	0	0	0
Stone	1	2	0	1	1	1
Sullivan	0	0	0	0	0	0
Taney	1	2	1	0	2	0
Texas	4	1	3	1	0	1
Vernon	3	1	2	1	0	1
Warren	3	1	3	0	1	0
Washington	4	4	3	1	3	0
Wayne	3	3	0	3	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	7	6	2	5	1	0
Worth	0	0	0	0	0	0
Wright	2	1	1	1	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	0	0	0	0	0	0
Blue Springs	2	2	1	1	1	0
Cape Girardeau	6	6	3	3	3	0
Chesterfield	1	1	1	0	1	0
Columbia	13	6	7	6	0	1
Florissant	10	4	7	3	1	0
Gladstone	4	3	2	2	1	0
Hazelwood	2	4	0	2	2	0
Independence	12	7	7	5	2	0
Jefferson City	5	3	3	2	1	0
Kirkwood	1	0	1	0	0	0
Lee's Summit	3	4	1	2	2	1
Liberty	5	2	3	2	0	0
Maryland Heights	6	4	3	3	1	0
O'Fallon	8	3	5	3	0	0
Raytown	5	3	3	2	1	0
St. Charles	11	6	6	5	1	0
St. Joseph	16	9	12	4	5	0
St. Louis City	75	55	35	40	15	3
St. Peters	3	3	1	2	1	0
Springfield	15	10	10	5	5	1
University City	6	1	5	1	0	0
Wentzville	8	4	5	3	1	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	10	6	6	4	2	1
...Jasper Co. Part	9	6	5	4	2	1
...Newton Co. Part	1	0	1	0	0	0
Kansas City	78	44	49	29	15	2
...Jackson Co. Part	59	33	38	21	12	1
...Clay Co. Part	13	6	8	5	1	1
...Platte Co. Part	6	5	3	3	2	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, 2013**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	461	302	270	191	111	17
<b>Counties</b>						
Adair	2	0	2	0	0	0
Andrew	1	0	1	0	0	0
Atchison	1	0	1	0	0	0
Audrain	0	0	0	0	0	0
Barry	5	5	1	4	1	0
Barton	0	0	0	0	0	0
Bates	1	0	1	0	0	0
Benton	0	0	0	0	0	1
Bollinger	3	2	3	0	2	0
Boone	12	5	7	5	0	1
Buchanan	20	11	13	7	4	0
Butler	5	5	0	5	0	0
Caldwell	0	1	0	0	1	0
Callaway	5	2	4	1	1	0
Camden	2	2	1	1	1	1
Cape Girardeau	4	5	3	1	4	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	9	9	3	6	3	1
Cedar	2	1	1	1	0	0
Chariton	1	3	0	1	2	0
Christian	6	3	4	2	1	0
Clark	2	0	2	0	0	0
Clay	20	8	13	7	1	1
Clinton	1	1	0	1	0	0
Cole	7	2	5	2	0	0
Cooper	3	2	1	2	0	0
Crawford	6	1	5	1	0	0
Dade	0	0	0	0	0	0
Dallas	2	1	2	0	1	0
Davies	0	1	0	0	1	0
DeKalb	1	0	1	0	0	0
Dent	1	3	1	0	3	0
Douglas	4	1	3	1	0	1
Dunklin	1	3	0	1	2	0
Franklin	7	7	5	2	5	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	1	1	0	1	0	0
Gentry	1	0	1	0	0	0
Greene	27	21	12	15	6	0
Grundy	2	1	1	1	0	0
Harrison	0	0	0	0	0	0
Henry	2	0	2	0	0	1
Hickory	0	0	0	0	0	0
Holt	1	1	1	0	1	0
Howard	0	0	0	0	0	0
Howell	5	4	2	3	1	0
Iron	1	0	1	0	0	0
Jackson	30	21	19	11	10	1
Jasper	14	11	7	7	4	1
Jefferson	25	12	16	9	3	1
Johnson	2	2	0	2	0	0
Knox	1	0	1	0	0	0
Laclede	7	5	5	2	3	0
Lafayette	3	3	0	3	0	0
Lawrence	4	2	2	2	0	0
Lewis	0	0	0	0	0	0
Lincoln	7	3	4	3	0	0
Linn	2	1	1	1	0	0
Livingston	0	0	0	0	0	0
McDonald	4	3	1	3	0	0
Macon	2	0	2	0	0	0
Madison	4	2	2	2	0	0
Maries	1	0	1	0	0	0
Marion	7	1	6	1	0	0
Mercer	0	0	0	0	0	0
Miller	2	2	1	1	1	0
Mississippi	2	2	1	1	1	0
Moniteau	1	0	1	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	1	0	1	0	0	3
New Madrid	3	2	2	1	1	0
Newton	8	7	3	5	2	0
Nodaway	2	1	1	1	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, 2013**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	3	0	0	3	0
Osage	2	3	1	1	2	0
Ozark	1	1	0	1	0	0
Pemiscot	1	2	1	0	2	0
Perry	1	2	0	1	1	0
Pettis	2	1	2	0	1	0
Phelps	1	1	1	0	1	0
Pike	1	0	1	0	0	0
Platte	7	8	2	5	3	0
Polk	3	3	2	1	2	0
Pulaski	7	6	2	5	1	0
Putnam	1	0	1	0	0	0
Ralls	3	0	3	0	0	0
Randolph	2	2	0	2	0	0
Ray	4	5	0	4	1	1
Reynolds	0	0	0	0	0	0
Ripley	0	1	0	0	1	0
St. Charles	25	12	17	8	4	0
St. Clair	4	2	2	2	0	0
St. Francois	7	5	4	3	2	0
Ste. Genevieve	0	1	0	0	1	0
St. Louis City	14	9	9	5	4	0
St. Louis County	37	16	26	11	5	0
Saline	1	2	0	1	1	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	1	1	0	1	0	0
Shannon	0	1	0	0	1	0
Shelby	1	2	0	1	1	0
Stoddard	1	0	1	0	0	0
Stone	1	2	0	1	1	1
Sullivan	0	0	0	0	0	0
Taney	1	2	1	0	2	0
Texas	4	1	3	1	0	1
Vernon	3	1	2	1	0	1
Warren	3	1	3	0	1	0
Washington	4	4	3	1	3	0
Wayne	3	3	0	3	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	7	6	2	5	1	0
Worth	0	0	0	0	0	0
Wright	2	1	1	1	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	0	0	0	0	0	0
Blue Springs	2	1	1	1	0	0
Cape Girardeau	2	2	1	1	1	0
Chesterfield	1	0	1	0	0	0
Columbia	8	2	6	2	0	1
Florissant	4	2	2	2	0	0
Gladstone	4	2	2	2	0	0
Hazelwood	0	0	0	0	0	0
Independence	4	2	3	1	1	0
Jefferson City	3	1	2	1	0	0
Kirkwood	1	0	1	0	0	0
Lee's Summit	3	4	1	2	2	1
Liberty	2	0	2	0	0	0
Maryland Heights	1	2	0	1	1	0
O'Fallon	6	2	4	2	0	0
Raytown	3	1	2	1	0	0
St. Charles	8	3	6	2	1	0
St. Joseph	14	8	10	4	4	0
St. Louis City	14	9	9	5	4	0
St. Peters	2	2	1	1	1	0
Springfield	13	9	8	5	4	0
University City	2	0	2	0	0	0
Wentzville	6	3	4	2	1	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	9	6	5	4	2	1
...Jasper Co. Part	8	6	4	4	2	1
...Newton Co. Part	1	0	1	0	0	0
Kansas City	26	17	17	9	8	1
...Jackson Co. Part	11	8	8	3	5	0
...Clay Co. Part	11	5	7	4	1	1
...Platte Co. Part	4	4	2	2	2	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, 2013**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	186	126	101	85	41	6
<b>Counties</b>						
Adair	1	1	0	1	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	1	2	0	1	1	0
Barry	0	0	0	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	0	0	0	0	0	0
Boone	2	2	0	2	0	0
Buchanan	2	1	2	0	1	0
Butler	0	0	0	0	0	0
Caldwell	0	0	0	0	0	0
Callaway	0	0	0	0	0	0
Camden	0	0	0	0	0	0
Cape Girardeau	3	4	1	2	2	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	1	1	0	1	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	2	1	2	0	1	0
Clinton	0	0	0	0	0	0
Cole	2	2	1	1	1	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
Davies	0	0	0	0	0	0
DeKalb	0	0	0	0	0	0
Dent	0	0	0	0	0	0
Douglas	0	0	0	0	0	0
Dunklin	1	1	1	0	1	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	0	0	0	0	0	0
Jackson	45	26	29	16	10	1
Jasper	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0
Johnson	0	0	0	0	0	0
Knox	0	0	0	0	0	0
Laclede	0	0	0	0	0	0
Lafayette	1	1	0	1	0	0
Lawrence	0	0	0	0	0	0
Lewis	0	0	0	0	0	0
Lincolin	0	1	0	0	1	0
Linn	0	0	0	0	0	0
Livingston	0	0	0	0	0	0
McDonald	0	0	0	0	0	0
Macon	1	0	1	0	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	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	1	0	1	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	0	0	0	0	0	0
New Madrid	2	0	2	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, 2013**

	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	2	1	1	1	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	0	0	0	0	0	0
Polk	0	0	0	0	0	0
Pulaski	0	2	0	0	2	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	0	0	0	0	0	0
Ray	0	0	0	0	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
St. Charles	8	6	2	6	0	0
St. Clair	0	0	0	0	0	0
St. Francois	0	0	0	0	0	0
Ste. Genevieve	0	0	0	0	0	0
St. Louis City	44	34	20	24	10	3
St. Louis County	62	37	35	27	10	2
Saline	0	0	0	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	3	3	1	2	1	0
Shannon	0	0	0	0	0	0
Shelby	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	0	0	0	0	0
Cape Girardeau	3	4	1	2	2	0
Chesterfield	0	0	0	0	0	0
Columbia	2	2	0	2	0	0
Florissant	6	2	5	1	1	0
Gladstone	0	1	0	0	1	0
Hazelwood	1	3	0	1	2	0
Independence	3	3	1	2	1	0
Jefferson City	2	2	1	1	1	0
Kirkwood	0	0	0	0	0	0
Lee's Summit	0	0	0	0	0	0
Liberty	1	0	1	0	0	0
Maryland Heights	2	1	1	1	0	0
O'Fallon	2	1	1	1	0	0
Raytown	1	1	1	0	1	0
St. Charles	3	3	0	3	0	0
St. Joseph	2	1	2	0	1	0
St. Louis City	44	34	20	24	10	3
St. Peters	1	1	0	1	0	0
Springfield	2	0	2	0	0	0
University City	4	1	3	1	0	0
Wentzville	2	1	1	1	0	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	0	0	0	0	0	0
...Newton Co. Part	0	0	0	0	0	0
...Jasper Co. Part	0	0	0	0	0	0
Kansas City	41	21	27	14	7	1
...Jackson Co. Part	40	21	26	14	7	1
...Clay Co. Part	1	0	1	0	0	0
...Platte Co. Part	0	0	0	0	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, 2013**

	Number					Rates				
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths
<b>BRFSS Regions</b>										
<b>Northeast</b>	34	15	23	11	4	11.2	5.0*	7.6	3.6*	1.3*
<b>Northwest</b>	33	17	23	10	7	11.1	5.7*	7.7	3.4*	2.4*
<b>Central</b>	78	50	46	32	18	8.8	5.7	5.2	3.6	2.0*
<b>Southeast</b>	71	61	37	34	27	10.0	8.6	5.2	4.8	3.8
<b>Southwest</b>	107	79	52	55	24	9.5	7.0	4.6	4.9	2.1
<b>St. Louis Metro</b>	272	167	156	116	51	10.4	6.4	6.0	4.5	2.0
<b>Kansas City Metro</b>	148	99	81	67	32	9.3	6.2	5.1	4.2	2.0
<b>Metro</b>	572	370	322	250	120	10.0	6.5	5.7	4.4	2.1
<b>Non-Metro</b>	171	118	96	75	43	9.3	6.4	5.2	4.1	2.3
<b>State Total</b>	743	488	418	325	163	9.9	6.5	5.6	4.3	2.2

\*-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, and Post-Neonatal Deaths By Resident BRFSS Region: Missouri, 2013**

	White Non-Hispanic					Black Non-Hispanic						
	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>BRFSS Regions</b>												
Northeast	28	12	20	8	4	0	3	1	2	1	0	0
Northwest	29	16	19	10	6	0	2	1	2	0	1	0
Central	61	36	39	22	14	5	5	8	1	4	4	0
Southeast	53	48	27	26	22	2	11	9	6	5	4	0
Southwest	93	70	44	49	21	5	2	0	2	0	0	0
St. Louis Metro	122	64	83	39	25	1	114	78	57	57	21	5
Kansas City Metro	75	56	38	37	19	4	49	29	31	18	11	1
Metro	323	205	192	131	74	7	174	116	94	80	36	6
Non-Metro	138	97	78	60	37	10	12	10	7	5	5	0
<b>State Total</b>	461	302	270	191	111	17	186	126	101	85	41	6



**Table 23. Resident Infant Deaths and Rates per 1,000 Live Births by Cause of Death by Race and by Age at Death: Missouri, 2013**

	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
<u>All Causes</u>	302	5.4	191	111	48	69	38	36	47	38	26
White	126	11.7	85	41	15	49	10	11	16	14	11
Black	488	6.5	325	163	73	143	52	57	69	54	40
Total	16	0.3	7	9	1	0	1	5	4	3	2
<u>Infectious Diseases (A00-B99, P35-P39)</u>	6	0.6	3	3	0	0	0	3	1	1	1
White	25	0.3	12	13	1	0	1	10	5	5	3
Black	7	0.1	1	6	0	0	0	1	2	2	2
Total	0	0.0	0	0	0	0	0	0	0	0	0
<u>Nervous System Diseases (G00-G98)</u>	7	0.1	1	6	0	0	0	0	0	0	0
White	6	0.1	2	4	0	0	0	2	3	0	1
Black	3	0.3	1	2	1	0	0	0	0	2	0
Total	9	0.1	3	6	1	0	0	2	3	2	1
<u>Respiratory System Diseases (J00-J99)</u>	6	0.1	1	5	0	0	0	1	0	4	1
White	4	0.4	0	4	0	0	0	0	1	3	0
Black	11	0.1	1	10	0	0	0	1	2	7	1
Total	127	2.3	123	4	37	45	28	13	3	0	1
<u>Perinatal Conditions (P00-P34, P39-P96)</u>	69	6.4	68	1	13	42	7	6	0	0	1
White	237	3.1	232	5	60	109	39	24	3	0	2
Black	74	1.3	55	19	10	23	9	13	6	5	8
Total	16	1.5	12	4	1	7	3	1	2	1	1
<u>Congenital Anomalies (Q00-Q99)</u>	97	1.3	73	24	11	33	12	17	8	6	10
White	12	0.2	0	12	0	0	0	0	8	2	2
Black	3	0.3	0	3	0	0	0	0	2	0	1
Total	16	0.2	0	16	0	0	0	0	11	2	3
<u>Sudden Infant Death Syndrome (R95)</u>	38	0.7	0	38	0	0	0	0	14	20	4
White	20	1.9	1	19	0	0	0	1	7	6	6
Black	64	0.9	1	63	0	0	0	1	25	27	11
Total	3	0.1	0	3	0	0	0	0	0	1	2
<u>Homicide (X85-Y09)</u>	1	0.1	0	1	0	0	0	0	0	1	0
White	4	0.1	0	4	0	0	0	0	0	2	2
Black	13	0.2	2	11	0	1	0	1	7	1	3
Total	4	0.4	0	4	0	0	0	0	3	0	1
<u>All Other Causes</u>	18	0.2	2	16	0	1	0	1	10	1	5

**Table 24. Resident Infant Deaths and Rates per 1,000 Live Births by Age of Mother by Birth Order: Missouri, 2013**

	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	493	145	202	86	60	6.6	6.1	5.8	7.2	12.2
Under 18	11	8	3	0	0	7.3*	6.0*	18.8*	0.0*	0.0*
18-19	41	28	11	1	1	9.4	9.2	8.8*	18.5*	125.0*
20-24	161	52	80	21	8	8.3	6.5	8.6	11.3	23.3*
25-29	123	25	51	32	15	5.3	3.7	4.5	8.2	12.1*
30-34	109	23	43	21	22	5.9	6.2	4.7	5.5	12.6
35-39	38	8	11	8	11	5.5	8.6*	3.7*	4.3*	9.4*
40 and Over	10	1	3	3	3	7.1*	6.5*	6.4*	8.2*	7.2*

**Table 25. Resident Infant Deaths and Rates per 1,000 Live Births by Birth Weight by Race of Mother - Missouri, 2013**

	Mother's Race						Rates		
	All Races	White		Black		All Races	White	Black	
		All	White	Black	All				White
All Weights	493	310	131	6.6	5.5	12.2			
Under 500 Grams	124	57	50	879.4	934.4	806.5			
500-999 Grams	101	60	29	265.1	269.1	241.7			
1,000-1,499 Grams	23	15	5	44.7	45.9*	35.7*			
1,500-1,999 Grams	39	25	10	32.9	31.1	36.8*			
2,000-2,499 Grams	44	32	8	11.5	12.7	8.8*			
2,500-2,999 Grams	43	29	13	3.3	3.3	4.7*			
3,000-3,499 Grams	62	46	11	2.2	2.2	2.7*			
3,500-3,999 Grams	34	28	3	1.6	1.7	1.6*			
4,000 or More Grams	10	8	0	1.6*	1.5*	0.0*			

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, 2013**

	Total Crude Rate	Total Age-Adjusted Rate	All Races	White, Non-Hisp.	Black, Non-Hisp.	Hispanic, Any Race	Other Races
All causes	947.3	804.9	57,256	50,481	5,646	468	594
Enterocolitis due to <i>Clostridium difficile</i>	3.6	3.0	217	197	14	4	2
Septicemia	13.3	11.1	802	687	98	9	7
HIV / AIDS	1.3	1.2	78	44	30	1	2
Malignant neoplasms	213.5	178.7	12,902	11,350	1,298	91	145
...Colon, rectum, and anus	18.6	15.7	1,124	981	120	7	16
...Pancreas	13.0	10.9	784	681	89	5	9
...Trachea, bronchus, and lung	65.9	54.6	3,982	3,550	368	17	35
...Breast	14.3	12.1	864	736	109	8	10
...Cervix uteri, corpus uteri, and ovary	9.2	7.8	558	478	70	2	6
...Prostate	8.2	6.9	496	417	69	4	6
...Urinary tract	11.1	9.3	671	617	42	5	7
...Non-Hodgkin's lymphoma	6.8	5.8	414	377	24	4	8
...Leukemia	8.3	7.1	499	445	47	2	4
...Other malignant neoplasms	58.1	48.6	3,510	3,068	360	37	44
Diabetes mellitus	24.4	20.5	1,477	1,217	218	20	19
Alzheimer's disease	33.4	27.4	2,018	1,886	113	8	11
Parkinson's disease	9.2	7.8	554	522	19	3	10
Diseases of heart	232.2	193.8	14,036	12,463	1,352	97	114
Essential hypertension	7.3	6.0	440	361	73	2	3
Cerebrovascular diseases	48.2	40.3	2,913	2,568	285	29	29
Influenza and pneumonia	22.3	18.6	1,347	1,244	82	6	12
Chronic lower respiratory disease	62.9	52.9	3,800	3,567	198	9	22
Pneumonitis due to solids and liquids	9.5	7.9	576	526	37	5	7
Chronic liver disease and cirrhosis	9.9	8.4	597	519	55	17	6
Nephritis and nephrosis	21.5	17.9	1,298	1,092	177	17	12
Conditions orig. in perinatal period	4.2	4.7	254	140	72	16	13
Congenital anomalies	3.0	3.1	183	144	31	4	4
Symptoms and ill-defined conditions	6.8	5.9	408	356	42	1	8
All other diseases	146.7	123.8	8,865	7,869	843	63	85
Unintentional injuries	49.1	46.7	2,965	2,554	319	40	50
...Motor vehicle crashes	12.5	12.3	757	636	88	21	12
...Falls	11.6	9.7	703	662	26	4	11
...Accidental poisoning	14.9	15.3	903	753	125	7	16
...Other unintentional injuries	10.0	9.3	602	503	80	8	11
Suicide	15.8	15.6	958	878	45	16	17
Homicide	6.5	6.7	390	136	230	10	14
All other external causes	2.9	2.8	178	161	15	0	2

Table 26B. Resident Deaths by Selected Causes of Death by BRFS Region and Metro/Non-Metro Area: Missouri, 2013

	BRFS Region									
	Central	Kansas City	Northeast	Northwest	St. Louis	Southeast	Southwest	Metro	Non-Metro	
All causes	6,376	10,469	2,878	2,443	18,634	6,981	9,473	39,638	17,616	
Enterocolitis due to Clostridium difficile	21	61	4	7	61	18	45	164	53	
Septicemia	85	138	43	34	288	85	129	560	242	
HIV / AIDS	1	30	1	2	27	7	10	67	11	
Malignant neoplasms	1,439	2,376	660	518	4,216	1,609	2,084	8,906	3,996	
...Colon, rectum, and anus	148	187	60	60	346	154	169	756	368	
...Pancreas	83	153	39	26	278	82	123	568	216	
...Trachea, bronchus, and lung	410	735	191	157	1,264	558	667	2,702	1,280	
...Breast	103	156	39	28	316	85	137	629	235	
...Cervix uteri, corpus uteri, and ovary	56	91	21	28	204	68	90	395	163	
...Prostate	52	99	31	13	156	66	79	331	165	
...Urinary tract	78	114	44	28	206	93	108	442	229	
...Non-Hodgkin's lymphoma	48	75	21	18	141	42	69	289	125	
...Leukemia	53	87	23	28	167	57	84	347	152	
...Other malignant neoplasms	408	679	191	132	1,138	404	558	2,447	1,063	
Diabetes mellitus	195	295	108	78	433	166	202	994	483	
Alzheimer's disease	213	404	83	87	578	286	367	1,400	618	
Parkinson's disease	49	112	17	24	213	56	83	427	127	
Diseases of heart	1,660	2,255	727	615	4,598	1,772	2,409	9,326	4,710	
Essential hypertension	85	75	24	18	141	36	61	301	139	
Cerebrovascular diseases	325	522	164	121	912	351	518	1,984	929	
Influenza and pneumonia	141	219	68	46	460	161	252	942	405	
Chronic lower respiratory disease	442	741	231	184	975	550	677	2,460	1,340	
Pneumonitis due to solids and liquids	65	127	27	43	183	52	79	409	167	
Chronic liver disease and cirrhosis	65	109	20	24	195	62	122	439	158	
Nephritis and nephrosis	120	248	69	52	402	194	213	881	417	
Conditions orig. in perinatal period	21	52	9	7	98	31	36	193	61	
Congenital anomalies	25	38	7	8	57	20	28	137	46	
Symptoms and ill-defined conditions	39	68	21	28	98	60	92	276	130	
All other diseases	901	1,740	400	398	3,074	962	1,390	6,509	2,356	
Unintentional injuries	312	520	125	98	1,092	341	477	2,113	852	
...Motor vehicle crashes	99	111	42	29	184	131	161	437	320	
...Falls	52	135	20	20	361	40	75	582	121	
...Accidental poisoning	74	176	27	23	390	93	120	713	190	
...Other unintentional injuries	87	98	36	26	157	77	121	381	221	
Suicide	118	205	43	40	298	108	146	701	257	
Homicide	28	121	7	3	178	26	27	336	54	
All other external causes	26	13	20	8	57	28	26	113	65	

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Adair	Andrew	Atchison	Audrain	Barry	Barton	Bates
All causes	208	186	73	307	400	163	202
Enterocolitis due to Clostridium difficile	1	0	0	3	3	2	1
Septicemia	6	2	1	6	5	2	2
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	47	47	18	66	93	33	54
...Colon, rectum, and anus	4	6	0	6	6	5	6
...Pancreas	4	5	1	2	4	1	3
...Trachea, bronchus, and lung	11	11	6	23	31	12	16
...Breast	2	3	0	7	5	0	4
...Cervix uteri, corpus uteri, and ovary	1	2	1	2	4	3	1
...Prostate	3	1	1	3	6	0	4
...Urinary tract	5	4	1	2	4	3	1
...Non-Hodgkin's lymphoma	2	1	1	3	2	0	1
...Leukemia	1	1	2	2	2	3	2
...Other malignant neoplasms	14	13	5	16	29	6	16
Diabetes mellitus	6	3	2	15	6	4	7
Alzheimer's disease	5	10	5	9	16	8	16
Parkinson's disease	1	1	1	6	2	4	0
Diseases of heart	37	49	16	70	126	37	48
Essential hypertension	0	2	0	7	3	3	2
Cerebrovascular diseases	19	9	5	15	18	10	12
Influenza and pneumonia	5	1	3	7	10	8	2
Chronic lower respiratory disease	20	8	5	30	24	11	21
Pneumonitis due to solids and liquids	0	0	0	2	6	0	1
Chronic liver disease and cirrhosis	2	1	0	2	6	1	1
Nephritis and nephrosis	3	4	0	4	7	1	6
Conditions orig. in perinatal period	1	0	0	1	4	0	0
Congenital anomalies	1	0	1	2	0	0	0
Symptoms and ill-defined conditions	1	1	0	0	2	1	0
All other diseases	35	36	14	46	43	27	22
Unintentional injuries	8	8	2	12	25	7	4
...Motor vehicle crashes	3	2	1	3	13	3	0
...Falls	1	2	1	3	3	3	1
...Accidental poisoning	2	1	0	3	5	0	3
...Other unintentional injuries	2	3	0	3	4	1	0
Suicide	7	3	0	3	1	3	2
Homicide	1	0	0	1	0	1	0
All other external causes	2	1	0	0	0	0	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013**

	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	Callaway
All causes	267	131	1,059	942	585	102	371
Enterocolitis due to Clostridium difficile	0	1	7	6	1	0	0
Septicemia	7	1	12	15	3	1	5
HIV / AIDS	0	0	0	1	0	0	0
Malignant neoplasms	70	26	252	197	149	27	73
...Colon, rectum, and anus	6	4	24	20	14	2	10
...Pancreas	2	2	15	6	6	0	7
...Trachea, bronchus, and lung	30	10	59	73	51	8	16
...Breast	4	0	15	12	10	2	12
...Cervix uteri, corpus uteri, and ovary	2	1	14	8	8	2	7
...Prostate	4	1	7	4	7	1	3
...Urinary tract	4	0	14	7	11	0	2
...Non-Hodgkin's lymphoma	2	1	6	6	5	1	2
...Leukemia	3	1	9	12	3	2	1
...Other malignant neoplasms	13	6	89	49	34	9	13
Diabetes mellitus	9	0	29	39	25	7	10
Alzheimer's disease	3	2	40	25	33	1	15
Parkinson's disease	2	0	8	12	5	0	3
Diseases of heart	55	37	214	201	146	26	93
Essential hypertension	4	1	16	8	1	0	1
Cerebrovascular diseases	23	7	54	53	25	4	17
Influenza and pneumonia	5	6	30	18	16	3	8
Chronic lower respiratory disease	19	12	61	73	32	13	29
Pneumonitis due to solids and liquids	6	1	10	7	6	2	5
Chronic liver disease and cirrhosis	7	1	13	15	11	0	9
Nephritis and nephrosis	4	6	12	13	14	2	7
Conditions orig. in perinatal period	0	0	7	4	3	0	1
Congenital anomalies	0	1	7	3	2	1	0
Symptoms and ill-defined conditions	0	1	4	13	5	0	2
All other diseases	36	22	192	176	67	10	56
Unintentional injuries	15	5	49	41	30	4	25
...Motor vehicle crashes	3	4	9	10	13	2	5
...Falls	2	0	11	8	0	0	3
...Accidental poisoning	4	1	20	13	10	0	11
...Other unintentional injuries	6	0	9	10	7	2	6
Suicide	0	1	34	17	10	1	9
Homicide	2	0	5	2	1	0	0
All other external causes	0	0	3	3	0	0	3

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar	Chariton
All causes	458	732	129	58	946	187	78
Enterocolitis due to Clostridium difficile	1	1	0	0	2	0	0
Septicemia	9	9	1	3	16	0	1
HIV / AIDS	0	3	1	0	0	0	0
Malignant neoplasms	110	163	31	13	205	33	18
...Colon, rectum, and anus	18	18	3	0	27	2	0
...Pancreas	5	5	2	1	11	1	4
...Trachea, bronchus, and lung	34	62	7	3	64	13	6
...Breast	6	9	2	1	15	4	2
...Cervix uteri, corpus uteri, and ovary	2	8	2	0	11	1	0
...Prostate	7	7	1	2	6	1	2
...Urinary tract	5	10	4	0	13	1	0
...Non-Hodgkin's lymphoma	6	3	0	2	7	0	0
...Leukemia	4	3	2	0	1	0	0
...Other malignant neoplasms	23	38	8	4	50	10	4
Diabetes mellitus	3	13	1	1	26	4	3
Alzheimer's disease	9	41	3	0	68	1	1
Parkinson's disease	0	10	4	1	10	1	0
Diseases of heart	136	151	46	13	181	43	22
Essential hypertension	3	1	0	0	6	1	1
Cerebrovascular diseases	19	32	5	5	47	16	6
Influenza and pneumonia	13	17	4	4	34	20	5
Chronic lower respiratory disease	35	53	8	5	70	16	2
Pneumonitis due to solids and liquids	0	4	0	0	10	1	0
Chronic liver disease and cirrhosis	3	9	0	0	4	3	0
Nephritis and nephrosis	5	22	3	2	25	2	2
Conditions orig. in perinatal period	1	3	0	0	7	1	1
Congenital anomalies	0	1	0	0	0	0	0
Symptoms and ill-defined conditions	4	9	1	0	3	1	2
All other diseases	70	137	14	8	169	26	8
Unintentional injuries	22	28	6	2	40	11	5
...Motor vehicle crashes	7	7	0	1	12	7	2
...Falls	2	10	1	1	10	2	0
...Accidental poisoning	6	5	0	0	9	1	2
...Other unintentional injuries	7	6	5	0	9	1	1
Suicide	8	10	1	1	21	5	0
Homicide	2	6	0	0	2	0	1
All other external causes	5	9	0	0	0	2	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Christian	Clark	Clay	Clinton	Cole	Cooper	Crawford
All causes	563	94	1,624	247	627	182	264
Enterocolitis due to Clostridium difficile	1	0	13	2	0	0	1
Septicemia	2	0	15	1	6	2	4
HIV / AIDS	1	0	3	0	0	0	0
Malignant neoplasms	119	23	408	54	138	37	63
...Colon, rectum, and anus	12	2	24	4	13	5	7
...Pancreas	10	2	25	4	10	1	2
...Trachea, bronchus, and lung	42	7	134	17	33	11	22
...Breast	5	1	16	4	12	3	4
...Cervix uteri, corpus uteri, and ovary	6	0	13	5	5	1	4
...Prostate	2	1	20	3	3	2	4
...Urinary tract	5	3	21	2	6	1	4
...Non-Hodgkin's lymphoma	5	2	11	3	4	3	2
...Leukemia	3	1	15	1	9	0	2
...Other malignant neoplasms	29	4	129	11	43	10	12
Diabetes mellitus	8	1	32	12	20	2	5
Alzheimer's disease	29	5	40	10	36	5	7
Parkinson's disease	6	1	24	7	5	1	0
Diseases of heart	145	25	327	54	158	70	89
Essential hypertension	4	0	14	1	5	1	4
Cerebrovascular diseases	36	6	68	12	39	5	17
Influenza and pneumonia	17	1	31	4	12	2	3
Chronic lower respiratory disease	36	12	129	25	42	13	14
Pneumonitis due to solids and liquids	8	0	31	1	7	3	3
Chronic liver disease and cirrhosis	4	0	22	5	6	0	4
Nephritis and nephrosis	12	1	34	9	13	4	6
Conditions orig. in perinatal period	2	0	7	0	1	1	1
Congenital anomalies	1	0	9	1	3	2	0
Symptoms and ill-defined conditions	9	1	11	2	2	2	1
All other diseases	87	12	270	34	88	22	22
Unintentional injuries	19	5	90	11	25	6	15
...Motor vehicle crashes	3	2	15	2	4	3	4
...Falls	6	0	27	2	7	1	5
...Accidental poisoning	6	0	31	4	6	1	4
...Other unintentional injuries	4	3	17	3	8	1	2
Suicide	11	1	39	2	15	3	2
Homicide	2	0	5	0	4	0	0
All other external causes	4	0	2	0	2	1	3



Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Dade	Dallas	Davies	DeKalb	Dent	Douglas	Dunklin
All causes	97	194	95	132	190	185	423
Enterocolitis due to Clostridium difficile	0	2	0	0	1	0	1
Septicemia	0	4	1	3	0	2	6
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	20	48	19	22	46	43	92
...Colon, rectum, and anus	0	3	5	5	4	3	10
...Pancreas	1	1	0	2	4	9	1
...Trachea, bronchus, and lung	8	17	9	4	13	9	43
...Breast	2	2	0	0	2	2	3
...Cervix uteri, corpus uteri, and ovary	0	1	0	1	2	0	4
...Prostate	0	0	0	0	1	2	3
...Urinary tract	1	4	0	2	2	5	8
...Non-Hodgkin's lymphoma	0	5	0	2	0	0	3
...Leukemia	0	1	0	1	1	0	3
...Other malignant neoplasms	8	14	5	5	17	13	14
Diabetes mellitus	3	9	1	6	6	8	7
Alzheimer's disease	1	6	5	2	8	14	22
Parkinson's disease	0	2	1	0	2	1	1
Diseases of heart	38	35	25	33	44	31	105
Essential hypertension	0	1	1	1	1	3	3
Cerebrovascular diseases	3	10	5	5	13	5	32
Influenza and pneumonia	2	3	0	4	4	7	6
Chronic lower respiratory disease	6	18	10	14	18	22	49
Pneumonitis due to solids and liquids	0	3	0	0	0	1	2
Chronic liver disease and cirrhosis	0	3	0	1	0	0	2
Nephritis and nephrosis	3	1	4	5	5	4	13
Conditions orig. in perinatal period	0	0	0	0	0	1	1
Congenital anomalies	0	0	0	0	0	0	2
Symptoms and ill-defined conditions	3	2	1	2	5	2	3
All other diseases	12	33	15	25	25	27	52
Unintentional injuries	4	8	4	7	9	11	16
...Motor vehicle crashes	2	1	2	3	3	6	8
...Falls	0	2	1	0	1	0	3
...Accidental poisoning	0	1	0	2	2	2	3
...Other unintentional injuries	2	4	1	2	3	3	2
Suicide	2	4	3	2	3	2	6
Homicide	0	0	0	0	0	1	1
All other external causes	0	2	0	0	0	0	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
All causes	906	199	100	2,643	142	120	299
Enterocolitis due to Clostridium difficile	1	1	0	5	0	1	0
Septicemia	11	2	0	28	2	0	6
HIV / AIDS	0	0	0	4	0	0	0
Malignant neoplasms	186	39	18	544	34	25	66
...Colon, rectum, and anus	15	3	1	47	2	4	4
...Pancreas	7	2	0	31	1	1	6
...Trachea, bronchus, and lung	52	7	6	153	5	5	21
...Breast	16	3	1	49	5	3	3
...Cervix uteri, corpus uteri, and ovary	7	2	0	23	1	0	3
...Prostate	9	2	1	26	3	0	1
...Urinary tract	13	3	0	22	3	1	5
...Non-Hodgkin's lymphoma	10	2	2	21	0	1	0
...Leukemia	6	2	1	20	0	1	2
...Other malignant neoplasms	51	13	6	152	14	9	21
Diabetes mellitus	30	6	2	56	4	2	7
Alzheimer's disease	40	8	3	107	9	6	17
Parkinson's disease	9	3	1	27	3	2	3
Diseases of heart	228	45	31	626	28	29	80
Essential hypertension	6	3	0	21	4	1	1
Cerebrovascular diseases	35	8	3	145	8	6	25
Influenza and pneumonia	14	7	3	63	3	3	9
Chronic lower respiratory disease	68	13	14	182	11	10	20
Pneumonitis due to solids and liquids	4	3	1	32	1	2	2
Chronic liver disease and cirrhosis	9	2	0	37	1	1	4
Nephritis and nephrosis	9	7	3	67	3	3	3
Conditions orig. in perinatal period	2	0	0	11	1	0	0
Congenital anomalies	4	1	0	8	0	0	0
Symptoms and ill-defined conditions	4	2	1	20	1	2	2
All other diseases	132	35	15	470	22	23	35
Unintentional injuries	88	10	3	129	6	4	13
...Motor vehicle crashes	20	4	1	32	1	1	5
...Falls	33	2	0	18	1	0	5
...Accidental poisoning	17	1	1	53	1	2	2
...Other unintentional injuries	18	3	1	26	3	1	1
Suicide	20	3	2	44	1	0	6
Homicide	3	1	0	11	0	0	0
All other external causes	3	0	0	6	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper
All causes	137	69	110	547	126	6,091	1,154
Enterocolitis due to Clostridium difficile	1	0	0	2	0	40	10
Septicemia	2	1	2	7	1	90	26
HIV / AIDS	2	0	0	0	0	26	0
Malignant neoplasms	23	13	19	119	29	1,356	261
...Colon, rectum, and anus	1	1	3	11	3	108	22
...Pancreas	5	0	1	6	2	87	16
...Trachea, bronchus, and lung	9	2	6	38	6	402	87
...Breast	2	0	2	4	3	103	13
...Cervix uteri, corpus uteri, and ovary	0	3	0	3	2	48	12
...Prostate	0	0	1	4	1	49	4
...Urinary tract	0	2	0	6	3	69	16
...Non-Hodgkin's lymphoma	0	0	0	2	1	46	9
...Leukemia	1	2	0	5	1	51	11
...Other malignant neoplasms	5	3	6	40	7	393	71
Diabetes mellitus	5	3	5	13	5	180	23
Alzheimer's disease	2	7	5	21	2	222	40
Parkinson's disease	2	1	3	9	0	55	8
Diseases of heart	40	15	32	125	37	1,291	311
Essential hypertension	0	0	1	3	0	48	5
Cerebrovascular diseases	7	6	6	33	8	312	56
Influenza and pneumonia	1	0	2	13	2	123	37
Chronic lower respiratory disease	8	7	4	39	14	394	99
Pneumonitis due to solids and liquids	0	0	2	9	0	58	4
Chronic liver disease and cirrhosis	1	0	2	6	0	66	13
Nephritis and nephrosis	4	2	1	8	1	156	25
Conditions orig. in perinatal period	0	0	0	2	0	28	7
Congenital anomalies	0	0	1	2	0	20	6
Symptoms and ill-defined conditions	0	1	3	1	0	46	12
All other diseases	25	9	15	91	18	1,031	130
Unintentional injuries	11	2	6	25	5	316	50
...Motor vehicle crashes	3	0	1	10	2	69	21
...Falls	2	1	0	2	1	77	5
...Accidental poisoning	1	0	1	6	2	113	9
...Other unintentional injuries	5	1	4	7	0	57	15
Suicide	3	1	1	14	4	116	23
Homicide	0	0	0	2	0	109	3
All other external causes	0	1	0	3	0	8	5

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Jefferson	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis
All causes	1,834	371	56	380	376	461	91
Enterocolitis due to Clostridium difficile	4	0	0	3	0	2	0
Septicemia	31	6	0	4	5	3	1
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	442	76	15	87	75	100	28
...Colon, rectum, and anus	33	6	1	6	2	6	3
...Pancreas	27	4	0	3	7	3	2
...Trachea, bronchus, and lung	149	23	4	27	25	27	10
...Breast	16	4	1	8	2	8	0
...Cervix uteri, corpus uteri, and ovary	17	8	0	3	2	7	1
...Prostate	15	1	0	4	5	10	1
...Urinary tract	31	5	1	6	2	5	1
...Non-Hodgkin's lymphoma	14	2	1	2	1	3	1
...Leukemia	19	5	0	2	8	4	1
...Other malignant neoplasms	121	18	7	26	21	27	8
Diabetes mellitus	35	15	5	20	11	8	6
Alzheimer's disease	54	5	2	2	16	26	0
Parkinson's disease	20	0	0	3	3	3	1
Diseases of heart	419	108	17	95	112	119	22
Essential hypertension	8	2	0	4	1	7	0
Cerebrovascular diseases	83	11	2	20	28	29	7
Influenza and pneumonia	45	8	0	11	5	11	2
Chronic lower respiratory disease	129	23	1	31	28	36	5
Pneumonitis due to solids and liquids	25	32	0	2	5	4	2
Chronic liver disease and cirrhosis	20	3	1	3	4	9	3
Nephritis and nephrosis	45	10	0	10	2	11	0
Conditions orig. in perinatal period	9	2	0	2	2	1	0
Congenital anomalies	7	2	0	2	2	1	0
Symptoms and ill-defined conditions	8	2	1	4	1	2	1
All other diseases	278	40	9	54	53	59	7
Unintentional injuries	126	15	0	15	18	22	3
...Motor vehicle crashes	33	8	0	6	6	8	0
...Falls	23	3	0	2	5	4	0
...Accidental poisoning	53	2	0	1	2	5	2
...Other unintentional injuries	17	2	0	6	5	5	1
Suicide	35	8	1	7	5	6	1
Homicide	3	1	2	0	0	1	0
All other external causes	8	2	0	1	0	1	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Lincoln	Linn	Livingston	McDonald	Macon	Madison	Maries
All causes	420	182	167	227	188	188	107
Enterocolitis due to Clostridium difficile	1	0	0	0	0	0	0
Septicemia	6	2	0	1	2	2	3
HIV / AIDS	0	0	0	0	0	1	0
Malignant neoplasms	95	43	29	55	44	45	30
...Colon, rectum, and anus	10	6	0	8	2	4	1
...Pancreas	4	1	6	2	1	0	4
...Trachea, bronchus, and lung	31	11	9	24	11	18	10
...Breast	4	3	2	4	2	4	2
...Cervix uteri, corpus uteri, and ovary	4	3	0	0	3	1	2
...Prostate	3	2	0	2	2	2	1
...Urinary tract	5	3	3	6	2	3	2
...Non-Hodgkin's lymphoma	0	3	1	0	1	0	1
...Leukemia	6	4	3	0	4	2	2
...Other malignant neoplasms	28	7	5	9	16	11	5
Diabetes mellitus	16	6	6	4	9	6	1
Alzheimer's disease	19	3	8	5	5	2	1
Parkinson's disease	10	1	3	2	0	1	1
Diseases of heart	97	54	41	57	46	45	22
Essential hypertension	2	1	0	1	1	2	1
Cerebrovascular diseases	15	13	6	5	9	10	5
Influenza and pneumonia	13	4	4	9	7	5	1
Chronic lower respiratory disease	30	20	18	13	11	12	5
Pneumonitis due to solids and liquids	5	0	3	0	3	1	8
Chronic liver disease and cirrhosis	1	1	0	3	2	0	0
Nephritis and nephrosis	10	4	11	7	6	7	5
Conditions orig. in perinatal period	3	0	0	2	0	2	1
Congenital anomalies	2	1	1	1	0	1	1
Symptoms and ill-defined conditions	5	2	3	4	0	2	0
All other diseases	49	20	21	35	25	28	12
Unintentional injuries	33	6	9	16	8	10	7
...Motor vehicle crashes	14	2	1	7	3	2	3
...Falls	2	1	3	3	2	1	0
...Accidental poisoning	8	1	3	2	1	3	0
...Other unintentional injuries	9	2	2	4	2	4	4
Suicide	7	1	4	6	9	4	3
Homicide	0	0	0	1	0	0	0
All other external causes	1	0	0	0	1	2	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Marion	Mercer	Miller	Mississippi	Moniteau	Monroe	Montgomery
All causes	307	28	294	168	149	89	152
Enterocolitis due to Clostridium difficile	1	0	2	0	0	0	0
Septicemia	3	1	7	1	0	2	1
HIV / AIDS	1	0	0	1	1	0	0
Malignant neoplasms	73	6	77	40	36	23	31
...Colon, rectum, and anus	8	1	9	4	2	3	5
...Pancreas	2	0	5	0	5	0	2
...Trachea, bronchus, and lung	26	4	26	11	15	9	8
...Breast	3	0	1	1	2	0	1
...Cervix uteri, corpus uteri, and ovary	4	0	1	1	0	1	0
...Prostate	5	0	3	3	2	0	0
...Urinary tract	7	0	6	4	1	0	0
...Non-Hodgkin's lymphoma	0	0	1	1	1	1	1
...Leukemia	1	0	2	2	1	2	4
...Other malignant neoplasms	17	1	23	13	7	7	10
Diabetes mellitus	13	2	7	0	15	2	7
Alzheimer's disease	10	1	7	11	0	5	8
Parkinson's disease	0	0	1	0	1	0	1
Diseases of heart	82	5	80	53	35	25	41
Essential hypertension	6	0	12	1	13	0	0
Cerebrovascular diseases	15	3	3	8	8	5	9
Influenza and pneumonia	7	2	5	2	2	3	5
Chronic lower respiratory disease	22	3	32	12	12	7	8
Pneumonitis due to solids and liquids	5	0	1	0	2	1	0
Chronic liver disease and cirrhosis	2	0	1	0	2	0	3
Nephritis and nephrosis	5	0	6	3	1	1	3
Conditions orig. in perinatal period	0	0	0	0	0	0	0
Congenital anomalies	2	0	1	1	0	0	0
Symptoms and ill-defined conditions	2	0	2	3	0	0	1
All other diseases	36	5	32	23	14	14	20
Unintentional injuries	16	0	13	7	4	0	12
...Motor vehicle crashes	5	0	9	3	2	0	6
...Falls	2	0	1	3	0	0	3
...Accidental poisoning	6	0	1	0	0	0	2
...Other unintentional injuries	3	0	2	1	2	0	1
Suicide	4	0	2	2	2	1	2
Homicide	1	0	1	0	0	0	0
All other external causes	1	0	2	0	1	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Morgan	New Madrid	Newton	Nodaway	Oregon	Osage	Ozark
All causes	266	237	674	194	151	115	126
Enterocolitis due to Clostridium difficile	0	2	3	0	2	0	0
Septicemia	7	2	13	4	1	1	0
HIV / AIDS	0	0	0	0	1	0	0
Malignant neoplasms	61	47	157	47	26	30	35
...Colon, rectum, and anus	6	2	14	5	1	5	1
...Pancreas	3	1	12	5	1	2	3
...Trachea, bronchus, and lung	21	18	43	11	7	5	13
...Breast	2	5	4	3	1	5	1
...Cervix uteri, corpus uteri, and ovary	1	5	4	3	3	0	4
...Prostate	0	1	5	3	1	1	0
...Urinary tract	3	0	12	2	1	3	3
...Non-Hodgkin's lymphoma	3	1	4	3	1	1	1
...Leukemia	2	3	10	1	1	2	0
...Other malignant neoplasms	20	11	49	11	9	6	9
Diabetes mellitus	7	5	15	3	0	4	3
Alzheimer's disease	1	6	28	13	5	6	1
Parkinson's disease	0	0	8	1	2	1	1
Diseases of heart	80	75	156	54	60	31	39
Essential hypertension	7	1	4	0	1	0	1
Cerebrovascular diseases	12	12	41	13	9	0	2
Influenza and pneumonia	4	7	19	2	4	6	4
Chronic lower respiratory disease	18	13	40	9	8	3	7
Pneumonitis due to solids and liquids	2	2	3	1	1	6	2
Chronic liver disease and cirrhosis	3	2	5	3	0	0	0
Nephritis and nephrosis	3	10	17	5	0	5	6
Conditions orig. in perinatal period	0	1	4	1	0	0	1
Congenital anomalies	0	1	2	2	1	1	0
Symptoms and ill-defined conditions	2	1	15	3	8	1	0
All other diseases	38	27	88	25	15	13	20
Unintentional injuries	15	21	42	4	7	4	3
...Motor vehicle crashes	6	8	16	0	4	4	1
...Falls	1	3	6	3	0	0	0
...Accidental poisoning	2	6	7	1	0	0	1
...Other unintentional injuries	6	4	13	0	3	0	1
Suicide	1	1	9	3	0	3	1
Homicide	2	0	2	0	0	0	0
All other external causes	3	1	3	1	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Pemiscot	Perry	Pettis	Phelps	Pike	Platte	Polk
All causes	269	189	425	419	202	617	349
Enterocolitis due to Clostridium difficile	0	1	1	0	0	2	4
Septicemia	3	2	6	5	5	5	4
HIV / AIDS	0	0	0	0	0	1	0
Malignant neoplasms	53	50	104	73	46	135	85
...Colon, rectum, and anus	4	6	11	6	5	9	9
...Pancreas	1	5	6	2	2	11	6
...Trachea, bronchus, and lung	19	13	25	28	11	45	29
...Breast	3	5	6	4	5	8	4
...Cervix uteri, corpus uteri, and ovary	3	2	4	2	0	4	5
...Prostate	2	3	4	3	1	8	5
...Urinary tract	2	2	9	6	2	4	5
...Non-Hodgkin's lymphoma	2	1	4	3	1	3	1
...Leukemia	1	1	1	2	1	6	3
...Other malignant neoplasms	16	12	34	17	18	37	18
Diabetes mellitus	3	3	14	13	8	17	9
Alzheimer's disease	3	12	17	23	3	22	9
Parkinson's disease	1	2	2	5	0	12	3
Diseases of heart	100	40	129	127	53	135	73
Essential hypertension	1	1	3	3	3	2	1
Cerebrovascular diseases	14	11	22	36	12	34	16
Influenza and pneumonia	4	5	8	7	3	12	7
Chronic lower respiratory disease	16	12	33	14	21	38	31
Pneumonitis due to solids and liquids	2	0	5	0	1	15	1
Chronic liver disease and cirrhosis	2	2	2	6	2	6	7
Nephritis and nephrosis	9	7	2	13	9	8	10
Conditions orig. in perinatal period	3	1	1	0	0	4	0
Congenital anomalies	1	0	2	0	0	4	3
Symptoms and ill-defined conditions	2	1	1	2	0	4	4
All other diseases	26	28	45	58	21	107	60
Unintentional injuries	17	8	16	24	8	32	20
...Motor vehicle crashes	8	3	6	9	2	4	6
...Falls	0	1	1	5	0	12	3
...Accidental poisoning	4	3	3	5	3	12	7
...Other unintentional injuries	5	1	6	5	3	4	4
Suicide	6	2	8	7	4	15	1
Homicide	2	1	3	2	0	5	1
All other external causes	1	0	1	1	3	2	0



Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds	Ripley
All causes	302	58	107	304	264	89	189
Enterocolitis due to Clostridium difficile	1	0	0	0	1	0	1
Septicemia	3	1	1	8	3	1	1
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	67	18	38	57	62	15	58
...Colon, rectum, and anus	4	1	4	5	5	3	3
...Pancreas	2	0	5	2	5	0	6
...Trachea, bronchus, and lung	21	5	13	16	24	5	17
...Breast	6	1	1	4	2	0	2
...Cervix uteri, corpus uteri, and ovary	4	1	1	0	5	0	2
...Prostate	1	1	2	3	3	2	4
...Urinary tract	3	1	2	4	2	0	4
...Non-Hodgkin's lymphoma	3	0	2	3	2	0	3
...Leukemia	5	0	1	1	1	1	3
...Other malignant neoplasms	18	8	7	19	13	4	14
Diabetes mellitus	6	2	0	15	3	2	3
Alzheimer's disease	6	2	4	5	9	0	6
Parkinson's disease	3	0	1	3	1	0	0
Diseases of heart	69	7	33	79	81	30	53
Essential hypertension	0	1	0	1	1	0	1
Cerebrovascular diseases	17	1	5	16	5	5	8
Influenza and pneumonia	4	1	2	8	5	2	6
Chronic lower respiratory disease	27	8	6	20	23	10	15
Pneumonitis due to solids and liquids	4	0	0	7	4	0	1
Chronic liver disease and cirrhosis	4	0	0	2	1	3	1
Nephritis and nephrosis	8	1	1	3	6	6	6
Conditions orig. in perinatal period	4	0	0	2	4	0	0
Congenital anomalies	2	0	0	0	1	0	0
Symptoms and ill-defined conditions	1	0	1	2	1	1	0
All other diseases	44	11	9	53	44	4	17
Unintentional injuries	23	3	4	11	5	9	7
...Motor vehicle crashes	5	0	2	6	1	3	4
...Falls	4	1	1	1	1	0	2
...Accidental poisoning	5	1	0	0	2	4	1
...Other unintentional injuries	9	1	1	4	1	2	0
Suicide	2	2	0	5	4	1	3
Homicide	7	0	1	1	0	0	1
All other external causes	0	0	1	6	0	0	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	St. Charles	St. Clair	St. Francois	Ste. Genevieve	St. Louis City	St. Louis County	Saline
All causes	2,494	139	747	186	2,960	9,452	291
Enterocolitis due to Clostridium difficile	5	1	2	0	13	36	2
Septicemia	27	1	6	3	39	164	4
HIV / AIDS	2	0	1	0	14	11	0
Malignant neoplasms	646	28	163	50	636	2,083	59
...Colon, rectum, and anus	39	3	14	9	57	181	5
...Pancreas	45	1	6	3	41	150	3
...Trachea, bronchus, and lung	206	9	56	18	199	576	17
...Breast	52	2	12	3	44	176	4
...Cervix uteri, corpus uteri, and ovary	28	1	3	1	23	119	4
...Prostate	25	0	6	0	26	75	1
...Urinary tract	31	2	9	1	27	92	2
...Non-Hodgkin's lymphoma	23	2	5	1	18	73	3
...Leukemia	26	2	8	5	20	86	1
...Other malignant neoplasms	171	6	44	9	181	555	19
Diabetes mellitus	54	5	30	2	102	191	12
Alzheimer's disease	81	7	20	5	64	306	3
Parkinson's disease	32	0	10	3	20	114	2
Diseases of heart	572	41	199	52	738	2,396	72
Essential hypertension	15	0	7	1	26	84	3
Cerebrovascular diseases	117	11	38	11	141	496	16
Influenza and pneumonia	66	6	9	1	75	233	6
Chronic lower respiratory disease	120	12	63	10	143	440	30
Pneumonitis due to solids and liquids	23	0	6	0	18	106	1
Chronic liver disease and cirrhosis	26	0	6	3	47	88	2
Nephritis and nephrosis	46	5	26	0	72	208	8
Conditions orig. in perinatal period	10	1	3	1	35	37	3
Congenital anomalies	8	1	2	0	11	24	1
Symptoms and ill-defined conditions	12	0	5	0	13	52	3
All other diseases	414	14	93	29	430	1,691	44
Unintentional injuries	148	4	43	10	191	457	18
...Motor vehicle crashes	15	1	14	5	29	59	7
...Falls	72	1	4	2	37	187	4
...Accidental poisoning	50	0	21	0	95	146	3
...Other unintentional injuries	11	2	4	3	30	65	4
Suicide	52	1	7	4	38	133	1
Homicide	5	0	4	0	89	77	0
All other external causes	13	1	4	1	5	25	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Schuyler	Scotland	Scott	Shannon	Shelby	Stoddard	Stone
All causes	60	60	446	102	85	393	409
Enterocolitis due to Clostridium difficile	0	0	2	1	0	0	1
Septicemia	1	0	8	1	3	7	6
HIV / AIDS	0	0	0	0	0	0	2
Malignant neoplasms	14	18	104	29	11	101	107
...Colon, rectum, and anus	2	4	8	3	1	11	5
...Pancreas	0	0	6	2	1	5	12
...Trachea, bronchus, and lung	6	5	48	10	1	33	36
...Breast	2	0	4	2	0	3	9
...Cervix uteri, corpus uteri, and ovary	0	0	8	1	0	3	5
...Prostate	0	3	5	1	1	7	3
...Urinary tract	1	2	3	1	2	8	3
...Non-Hodgkin's lymphoma	0	0	2	1	0	2	2
...Leukemia	0	1	0	1	0	5	3
...Other malignant neoplasms	3	3	20	7	5	24	29
Diabetes mellitus	3	1	5	2	1	5	10
Alzheimer's disease	1	3	19	4	4	24	18
Parkinson's disease	1	0	3	0	0	1	4
Diseases of heart	19	11	91	25	29	85	124
Essential hypertension	1	0	2	0	0	1	1
Cerebrovascular diseases	3	2	18	5	5	17	17
Influenza and pneumonia	0	1	13	1	2	9	6
Chronic lower respiratory disease	4	4	55	9	3	28	27
Pneumonitis due to solids and liquids	0	0	2	1	1	2	2
Chronic liver disease and cirrhosis	0	1	4	0	1	3	6
Nephritis and nephrosis	2	3	14	4	4	10	4
Conditions orig. in perinatal period	0	0	3	1	1	0	2
Congenital anomalies	0	0	2	0	0	1	0
Symptoms and ill-defined conditions	0	0	6	2	1	4	3
All other diseases	9	8	61	10	13	70	37
Unintentional injuries	1	7	24	6	5	14	21
...Motor vehicle crashes	1	3	2	3	2	6	11
...Falls	0	1	1	2	2	2	2
...Accidental poisoning	0	1	7	0	0	4	1
...Other unintentional injuries	0	2	14	1	1	2	7
Suicide	1	0	7	1	0	7	9
Homicide	0	0	2	0	0	1	1
All other external causes	0	1	1	0	1	3	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Sullivan	Taney	Texas	Vernon	Warren	Washington	Wayne
All causes	81	545	289	256	273	295	217
Enterocolitis due to Clostridium difficile	0	6	0	2	1	0	1
Septicemia	0	13	8	3	6	4	4
HIV / AIDS	0	1	0	0	0	0	0
Malignant neoplasms	16	113	62	65	68	60	51
...Colon, rectum, and anus	1	12	8	1	6	5	4
...Pancreas	3	6	7	2	4	0	1
...Trachea, bronchus, and lung	4	34	18	24	24	27	20
...Breast	1	10	3	3	2	6	1
...Cervix uteri, corpus uteri, and ovary	1	5	1	4	3	3	2
...Prostate	0	5	1	3	3	0	1
...Urinary tract	0	3	4	2	4	3	4
...Non-Hodgkin's lymphoma	0	4	1	6	3	0	1
...Leukemia	1	6	4	4	1	3	2
...Other malignant neoplasms	5	28	15	16	18	13	15
Diabetes mellitus	3	7	7	6	3	2	11
Alzheimer's disease	4	22	14	8	11	3	9
Parkinson's disease	0	2	1	2	6	2	1
Diseases of heart	20	175	70	59	51	97	47
Essential hypertension	2	1	1	3	0	0	3
Cerebrovascular diseases	5	23	21	11	11	14	5
Influenza and pneumonia	2	5	13	8	6	8	3
Chronic lower respiratory disease	3	30	20	21	22	23	18
Pneumonitis due to solids and liquids	2	1	3	2	2	0	3
Chronic liver disease and cirrhosis	0	8	3	0	3	1	2
Nephritis and nephrosis	2	15	6	7	6	6	4
Conditions orig. in perinatal period	0	0	1	0	0	2	3
Congenital anomalies	1	0	1	1	1	0	0
Symptoms and ill-defined conditions	0	1	2	3	1	3	1
All other diseases	18	87	34	43	42	38	32
Unintentional injuries	2	27	14	11	25	24	15
...Motor vehicle crashes	0	7	5	4	3	11	7
...Falls	0	5	1	1	5	2	1
...Accidental poisoning	1	7	6	5	13	8	4
...Other unintentional injuries	1	8	2	1	4	3	3
Suicide	0	6	5	1	5	8	3
Homicide	0	2	3	0	1	0	1
All other external causes	1	0	0	0	2	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2013

	Webster	Worth	Wright	Unknown
All causes	309	32	208	2
Enterocolitis due to Clostridium difficile	2	0	0	0
Septicemia	3	0	3	0
HIV / AIDS	0	0	0	0
Malignant neoplasms	64	5	46	0
...Colon, rectum, and anus	3	4	6	0
...Pancreas	1	0	3	0
...Trachea, bronchus, and lung	18	0	12	0
...Breast	4	0	3	0
...Cervix uteri, corpus uteri, and ovary	4	0	2	0
...Prostate	2	1	0	0
...Urinary tract	5	0	1	0
...Non-Hodgkin's lymphoma	3	0	2	0
...Leukemia	6	0	2	0
...Other malignant neoplasms	18	0	15	0
Diabetes mellitus	4	1	7	0
Alzheimer's disease	14	3	10	0
Parkinson's disease	2	0	3	0
Diseases of heart	69	8	63	0
Essential hypertension	0	3	0	0
Cerebrovascular diseases	16	0	10	0
Influenza and pneumonia	6	0	2	0
Chronic lower respiratory disease	28	3	16	0
Pneumonitis due to solids and liquids	4	0	3	0
Chronic liver disease and cirrhosis	5	0	2	0
Nephritis and nephrosis	8	0	6	0
Conditions orig. in perinatal period	1	0	1	0
Congenital anomalies	4	0	1	0
Symptoms and ill-defined conditions	8	1	1	2
All other diseases	43	6	23	0
Unintentional injuries	22	2	4	0
...Motor vehicle crashes	8	1	2	0
...Falls	2	0	0	0
...Accidental poisoning	4	1	0	0
...Other unintentional injuries	8	0	2	0
Suicide	5	0	6	0
Homicide	0	0	0	0
All other external causes	1	0	1	0

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2013

	Ballwin	Blue Springs	Cape Girardeau	Chesterfield	Columbia	Florissant	Gladstone	Hazelwood
All causes	195	395	427	489	677	600	275	222
Enterocolitis due to Clostridium difficile	1	4	1	1	4	0	4	2
Septicemia	6	7	6	7	7	6	1	5
HIV / AIDS	0	0	2	0	0	1	1	1
Malignant neoplasms	53	100	89	102	148	135	62	51
...Colon, rectum, and anus	7	10	11	13	14	5	6	3
...Pancreas	1	8	3	7	9	10	3	5
...Trachea, bronchus, and lung	15	32	34	24	37	40	17	17
...Breast	8	5	4	5	5	15	4	3
...Cervix uteri, corpus uteri, and ovary	5	4	5	6	10	8	1	2
...Prostate	1	2	4	4	4	5	5	3
...Urinary tract	5	6	5	1	8	5	4	0
...Non-Hodgkin's lymphoma	3	2	1	3	2	7	1	1
...Leukemia	1	4	1	5	5	4	1	3
...Other malignant neoplasms	7	27	21	34	54	36	20	14
Diabetes mellitus	4	5	5	11	22	14	3	5
Alzheimer's disease	5	20	37	26	30	18	9	3
Parkinson's disease	6	3	6	11	5	4	7	1
Diseases of heart	50	84	80	99	139	177	58	58
Essential hypertension	1	1	1	2	14	8	2	3
Cerebrovascular diseases	6	11	16	30	37	27	12	10
Influenza and pneumonia	4	7	12	11	17	10	6	3
Chronic lower respiratory disease	7	27	33	24	33	30	26	11
Pneumonitis due to solids and liquids	2	2	2	5	7	8	7	6
Chronic liver disease and cirrhosis	2	4	4	3	5	3	2	3
Nephritis and nephrosis	1	9	17	17	7	11	4	2
Conditions orig. in perinatal period	0	0	3	0	5	1	2	2
Congenital anomalies	2	1	1	2	3	2	0	0
Symptoms and ill-defined conditions	0	3	6	6	1	3	0	1
All other diseases	33	72	82	104	130	93	47	36
Unintentional injuries	6	26	6	21	32	35	14	12
...Motor vehicle crashes	0	5	1	3	4	4	3	1
...Falls	5	7	2	13	10	11	4	5
...Accidental poisoning	1	11	3	1	12	13	4	5
...Other unintentional injuries	0	3	0	4	6	7	3	1
Suicide	4	7	6	6	24	8	8	5
Homicide	2	2	5	0	5	4	0	1
All other external causes	0	0	7	1	2	2	0	1

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2013

	Independence	Jefferson City	Joplin	Joplin - Newton County	Joplin - Jasper County	Kansas City	Kansas City - Jackson County	Kansas City - Clay County
All causes	1,380	431	544	88	456	3,663	2,687	672
Enterocolitis due to Clostridium difficile	14	0	4	0	4	9	8	1
Septicemia	20	6	12	2	10	54	41	9
HIV / AIDS	2	0	0	0	0	23	21	1
Malignant neoplasms	293	81	114	21	93	838	582	180
...Colon, rectum, and anus	25	7	7	2	5	57	41	10
...Pancreas	15	4	4	1	3	59	39	13
...Trachea, bronchus, and lung	97	22	34	6	28	264	175	64
...Breast	23	8	4	1	3	50	39	6
...Cervix uteri, corpus uteri, and ovary	5	3	6	0	6	34	22	10
...Prostate	8	3	2	1	1	37	28	7
...Urinary tract	17	3	7	2	5	36	27	6
...Non-Hodgkin's lymphoma	14	1	4	1	3	22	15	5
...Leukemia	10	6	5	1	4	31	20	7
...Other malignant neoplasms	79	24	41	6	35	248	176	52
Diabetes mellitus	31	14	12	4	8	128	100	19
Alzheimer's disease	60	28	22	5	17	100	78	13
Parkinson's disease	16	5	1	0	1	28	16	7
Diseases of heart	318	109	151	15	136	727	524	137
Essential hypertension	7	5	3	0	3	31	25	4
Cerebrovascular diseases	69	25	21	6	15	182	139	25
Influenza and pneumonia	24	10	25	10	15	78	62	9
Chronic lower respiratory disease	119	31	49	6	43	219	159	47
Pneumonitis due to solids and liquids	17	7	3	1	2	47	20	16
Chronic liver disease and cirrhosis	16	4	9	1	8	37	30	5
Nephritis and nephrosis	38	9	12	2	10	91	78	11
Conditions orig. in perinatal period	5	1	2	0	2	22	18	3
Congenital anomalies	4	2	3	0	3	16	9	5
Symptoms and ill-defined conditions	8	1	10	2	8	29	26	3
All other diseases	220	63	62	10	52	627	458	117
Unintentional injuries	67	18	15	3	12	197	143	39
...Motor vehicle crashes	12	4	3	1	2	44	35	8
...Falls	19	3	2	0	2	48	32	11
...Accidental poisoning	28	4	2	0	2	62	44	12
...Other unintentional injuries	8	7	8	2	6	43	32	8
Suicide	25	9	11	0	11	75	54	16
Homicide	6	3	1	0	1	96	90	3
All other external causes	1	0	2	0	2	9	6	2

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2013

	Kansas City - Platte County	Kirkwood	Lee's Summit	Liberty	Maryland Heights	O'Fallon	Raytown	St. Charles
All causes	304	265	642	208	235	542	377	581
Enterocolitis due to Clostridium difficile	0	2	3	2	0	2	5	2
Septicemia	4	3	4	1	5	5	5	4
HIV / AIDS	1	0	0	0	0	0	2	1
Malignant neoplasms	76	61	135	54	53	140	85	138
...Colon, rectum, and anus	6	8	10	4	4	8	10	13
...Pancreas	7	6	10	4	2	12	4	10
...Trachea, bronchus, and lung	25	14	31	17	19	44	23	48
...Breast	5	5	15	2	8	7	7	12
...Cervix uteri, corpus uteri, and ovary	2	4	10	2	2	7	2	3
...Prostate	2	2	4	3	0	7	1	1
...Urinary tract	3	1	10	5	2	8	5	8
...Non-Hodgkin's lymphoma	2	1	7	2	3	4	4	5
...Leukemia	4	4	5	2	3	8	4	2
...Other malignant neoplasms	20	16	33	13	10	35	25	36
Diabetes mellitus	9	5	10	3	4	16	16	14
Alzheimer's disease	9	6	34	2	18	17	11	30
Parkinson's disease	5	3	12	3	2	9	4	7
Diseases of heart	66	62	164	45	47	103	65	145
Essential hypertension	2	0	3	3	0	6	5	1
Cerebrovascular diseases	18	22	47	7	14	25	22	24
Influenza and pneumonia	7	10	17	8	6	14	4	16
Chronic lower respiratory disease	13	14	31	15	9	24	27	38
Pneumonitis due to solids and liquids	11	3	6	2	4	3	1	5
Chronic liver disease and cirrhosis	2	1	3	5	3	2	4	9
Nephritis and nephrosis	2	2	17	1	7	5	6	19
Conditions orig. in perinatal period	1	0	1	1	2	1	1	4
Congenital anomalies	2	1	2	1	1	3	3	3
Symptoms and ill-defined conditions	0	2	2	4	0	4	5	3
All other diseases	52	54	104	37	45	111	76	78
Unintentional injuries	15	8	31	11	9	31	19	24
...Motor vehicle crashes	1	0	7	1	0	1	2	2
...Falls	5	6	7	5	6	16	7	12
...Accidental poisoning	6	2	11	4	2	8	7	9
...Other unintentional injuries	3	0	6	1	1	6	3	1
Suicide	5	4	12	2	5	17	6	11
Homicide	3	1	4	1	0	1	4	0
All other external causes	1	1	0	0	1	3	1	5



Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2013

	St. Joseph	St. Louis City	St. Peters	Springfield	University City	Wentzville	Wildwood
All causes	823	2,960	402	1,786	327	163	116
Enterocolitis due to Clostridium difficile	5	13	0	4	1	0	0
Septicemia	14	39	8	15	6	2	1
HIV / AIDS	1	14	0	3	0	0	0
Malignant neoplasms	171	636	102	358	79	47	35
...Colon, rectum, and anus	16	57	8	33	5	1	3
...Pancreas	5	41	4	25	4	4	2
...Trachea, bronchus, and lung	63	199	27	93	22	11	12
...Breast	11	44	12	35	5	3	2
...Cervix uteri, corpus uteri, and ovary	6	23	5	16	5	4	1
...Prostate	4	26	6	18	4	4	0
...Urinary tract	7	27	4	16	1	3	0
...Non-Hodgkin's lymphoma	5	18	3	14	1	2	0
...Leukemia	12	20	4	12	1	5	0
...Other malignant neoplasms	42	181	29	96	31	10	15
Diabetes mellitus	29	102	9	40	9	2	1
Alzheimer's disease	21	64	9	69	9	3	3
Parkinson's disease	10	20	6	15	8	1	2
Diseases of heart	183	738	89	411	79	40	27
Essential hypertension	6	26	0	15	5	0	0
Cerebrovascular diseases	46	141	22	99	19	5	7
Influenza and pneumonia	14	75	11	45	9	2	4
Chronic lower respiratory disease	68	143	17	142	17	7	4
Pneumonitis due to solids and liquids	7	18	6	23	6	2	0
Chronic liver disease and cirrhosis	13	47	4	30	3	2	2
Nephritis and nephrosis	11	72	7	46	6	4	2
Conditions orig. in perinatal period	3	35	2	3	1	2	0
Congenital anomalies	1	11	1	4	0	1	1
Symptoms and ill-defined conditions	13	13	1	13	2	1	0
All other diseases	147	430	72	314	45	27	15
Unintentional injuries	40	191	26	90	15	10	10
...Motor vehicle crashes	9	29	2	20	1	2	4
...Falls	8	37	15	13	5	4	2
...Accidental poisoning	13	95	8	38	8	3	3
...Other unintentional injuries	10	30	1	19	1	1	1
Suicide	16	38	6	34	4	4	2
Homicide	2	89	1	9	3	1	0
All other external causes	2	5	3	4	1	0	0

Table 27. Recorded Deaths by Type of Accident by Age by Sex: Missouri, 2013

Recorded Total	All Ages		0-4 Years		5-14 Years		15-24 Years		25-44 Years		45-64 Years		65-74 Years		Over 74		
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	3,195	1,940	1,255	54	39	24	21	212	101	551	221	541	281	160	97	397	495
<b>Work Total</b>	90	85	5	0	0	0	3	0	25	2	38	3	12	0	7	0	0
Heavy transport vehicle	5	5	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0
Other motor vehicle	18	16	2	0	0	0	0	0	4	2	11	0	1	0	0	0	0
Other transport	11	11	0	0	0	0	0	0	4	0	5	0	1	0	1	0	0
Falls	19	17	2	0	0	0	0	0	2	0	6	2	4	0	5	0	0
Farm machinery	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Other machinery	8	8	0	0	0	0	2	0	4	0	2	0	0	0	0	0	0
Struck by/against object	11	11	0	0	0	0	0	0	4	0	3	0	4	0	0	0	0
Electric current	4	4	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
Other/unspecified accident	13	12	1	0	0	0	0	0	3	0	6	1	2	0	1	0	0
<b>Home Total</b>	1,358	803	555	46	29	2	4	55	22	233	125	256	166	57	44	153	165
Falls	386	206	180	1	0	0	0	0	1	3	2	43	11	29	20	130	146
Machinery	5	5	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0
Firearms	15	13	2	0	1	0	0	1	0	3	0	6	0	3	1	0	0
Struck by/against object	11	9	2	0	0	0	0	0	2	0	3	1	0	0	0	4	1
Drowning	8	5	3	2	1	0	1	0	1	0	2	0	0	0	1	0	0
Choke/suffocate	95	59	36	38	27	0	0	2	0	9	1	9	4	1	1	0	3
Excess natural heat/cold	17	9	8	0	0	0	0	0	0	1	4	1	4	1	3	1	3
Fire/flame/smoke	86	58	28	5	0	2	2	5	2	8	2	18	9	6	5	14	8
Poisoning (drug/alcohol)	702	416	286	0	0	0	1	46	19	201	116	160	137	7	12	1	1
Poisoning (gas/other)	19	14	5	0	0	0	0	1	0	5	3	5	2	1	0	2	0
Other/unspecified accident	14	9	5	0	0	0	0	0	0	1	0	6	1	2	1	0	3
<b>Public Transport Total</b>	862	569	293	6	7	15	16	125	68	199	57	129	63	46	30	49	52
Car or truck	632	380	252	2	4	8	11	100	63	128	50	74	52	30	24	38	48
Pedestrian	90	69	21	2	3	3	2	9	2	25	3	19	4	6	3	5	4
Pedal cyclist	4	4	0	0	0	2	0	1	0	0	0	0	0	0	0	1	0
Motorcyclist	75	70	5	0	0	0	0	6	0	33	3	24	2	5	0	2	0
Railroad (not motor vehicle)	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Non-road vehicle (including ATV)	32	27	5	1	0	2	1	5	1	7	1	5	1	5	1	2	0
Water transport	12	10	2	0	0	0	1	3	0	3	0	4	0	0	1	0	0
Air transport	7	4	3	0	0	0	1	0	1	2	0	2	1	0	0	0	0
Other/unspecified transport	9	4	5	1	0	0	0	0	1	1	0	1	3	0	1	1	0
<b>Public Non-Transport Total</b>	862	467	395	2	3	7	1	29	11	91	37	109	44	44	23	185	276
Falls	362	163	199	0	0	0	0	1	0	4	2	12	10	20	9	126	178
Machinery	5	5	0	0	0	0	0	1	0	1	0	0	0	3	0	0	0
Firearms	7	5	2	0	0	0	0	1	1	2	0	2	1	0	0	0	0
Struck by/against object	15	13	2	0	0	0	0	1	0	4	0	3	1	3	0	2	1
Drowning	43	39	4	0	0	4	1	10	0	9	0	12	2	2	0	2	1
Choke/suffocate	78	41	37	1	1	1	0	0	1	5	3	7	3	5	3	22	26
Excess natural heat/cold	15	10	5	0	0	2	0	0	0	2	1	5	2	0	0	1	2
Fire/flame/smoke	6	6	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0
Poisoning (drug/alcohol)	190	126	64	0	0	0	0	11	8	60	29	51	20	2	3	2	4
Poisoning (gas/other)	11	11	0	0	0	0	0	1	0	4	0	4	0	1	0	1	0
Other/unspecified accident	130	48	82	1	2	0	0	3	1	0	2	9	5	6	8	29	64
<b>Late Effects of Accidents</b>	23	16	7	0	0	0	0	0	0	3	0	9	5	1	0	3	2

**Table 28. Resident Deaths by Selected Variables by Determination of Tobacco Use Contributing to Cause of Death: Missouri, 2013**

	Total	Tobacco Use Contributed to Death			Percentage				
		Yes	Probably	No	Yes	Probably	No	Unknown	
<u>State Total</u>	57,256	6,329	2,908	27,371	20,648	11.1	5.1	47.8	36.1
<u>Gender</u>									
Male	28,571	3,630	1,804	12,378	10,759	12.7	6.3	43.3	37.7
Female	28,685	2,699	1,104	14,993	9,889	9.4	3.8	52.3	34.5
<u>Decedent's Race</u>									
White Non-Hisp	50,481	5,796	2,587	24,118	17,980	11.5	5.1	47.8	35.6
Black Non-Hisp	5,646	456	277	2,666	2,247	8.1	4.9	47.2	39.8
Other Non-Hisp*	594	45	25	306	218	7.6	4.2	51.5	36.7
Hispanic, Any Race	468	23	14	266	165	4.9	3.0	56.8	35.3
<u>Decedent's Age</u>									
Under 35	2,321	16	10	1,862	433	0.7	0.4	80.2	18.7
35-44	1,550	54	44	951	501	3.5	2.8	61.4	32.3
45-54	3,934	501	234	1,707	1,492	12.7	5.9	43.4	37.9
55-64	7,611	1,314	564	2,802	2,931	17.3	7.4	36.8	38.5
65-74	10,207	1,951	746	3,723	3,787	19.1	7.3	36.5	37.1
75-84	14,073	1,701	775	6,318	5,279	12.1	5.5	44.9	37.5
85+	17,559	792	535	10,007	6,225	4.5	3.0	57.0	35.5
<u>Underlying Cause of Death</u>									
Heart Disease	14,036	1,057	645	5,793	6,541	7.5	4.6	41.3	46.6
Cancer	12,902	2,495	961	5,356	4,090	19.3	7.4	41.5	31.7
...Lung Cancer	3,981	1,980	557	338	1,106	49.7	14.0	8.5	27.8
...Other Cancer	8,921	515	404	5,018	2,984	5.8	4.5	56.2	33.4
Chronic lower respiratory disease	3,800	1,723	521	466	1,090	45.3	13.7	12.3	28.7
Stroke	2,913	129	113	1,516	1,155	4.4	3.9	52.0	39.6
Unintentional injuries	2,965	43	25	2,334	563	1.5	0.8	78.7	19.0
Alzheimer's disease	2,018	23	21	1,349	625	1.1	1.0	66.8	31.0
Diabetes mellitus	1,477	131	98	713	535	8.9	6.6	48.3	36.2
Influenza and pneumonia	1,347	67	49	700	531	5.0	3.6	52.0	39.4
Nephritis and nephrosis	1,298	49	34	653	562	3.8	2.6	50.3	43.3
Other	14,500	612	441	8,491	4,956	4.2	3.0	58.6	34.2

\*: Includes Deaths of Persons of Multiple Races

**Table 29. Resident Deaths By Selected Characteristics By Sex: Missouri, 2013**

	Total	Female	Male
<u>State Total</u>	57,256	28,685	28,571
<u>Certifier</u>			
Certifying Physician	46,940	25,037	21,903
Medical Examiner/Coroner	10,306	3,646	6,660
Other	10	2	8
<u>Death Place</u>			
Inpatient	16,308	7,924	8,384
Emergency Room/Outpatient	3,759	1,503	2,256
Dead on Arrival	115	44	71
Decedent's Home	17,435	7,820	9,615
Hospice Facility	1,938	1,013	925
Nursing Home	15,357	9,540	5,817
Other	2,343	841	1,502
Unknown	1	0	1
<u>Month of Death</u>			
January	5,755	2,976	2,779
February	4,807	2,498	2,309
March	5,189	2,672	2,517
April	4,803	2,375	2,428
May	4,569	2,251	2,318
June	4,372	2,137	2,235
July	4,432	2,146	2,286
August	4,606	2,371	2,235
September	4,437	2,216	2,221
October	4,680	2,289	2,391
November	4,604	2,253	2,351
December	5,002	2,501	2,501

	Total	Female	Male
<u>Disposition</u>			
Burial	32,182	17,189	14,993
Cremation	22,218	9,975	12,243
Donation	1,210	634	576
Entombment	465	262	203
Removal from State	1,132	601	531
Other	49	24	25
<u>Marital Status</u>			
Married	21,617	7,238	14,379
Divorced	9,034	4,117	4,917
Widowed	20,143	14,841	5,302
Never Married	6,249	2,421	3,828
Unknown	213	68	145
<u>Education of Deceased</u>			
8th Grade or Less	7,999	4,236	3,763
9th to 11th Grade	7,001	3,489	3,512
High School Graduates	24,817	12,857	11,960
Some College	9,741	4,858	4,883
Bachelor's Degree	4,480	1,984	2,496
Post-Graduate Degree	2,561	966	1,595
Unknown	657	295	362
<u>Autopsy</u>			
Yes	2,909	945	1,964
Yes, but not used	348	129	219

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2013

Total Population

Age Interval	Proportion of persons alive at beginning of age interval dying during interval	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
		Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	
X TO X + N	$nQ_x$	$L_x$	$nD_x$	$nL_x$	$T_x$	$E_x$
0-1	0.0065	100,000	649	99,416	7,767,517	77.7
1-5	0.0010	99,351	104	397,198	7,668,101	77.2
5-10	0.0007	99,247	68	496,066	7,270,903	73.3
10-15	0.0008	99,179	82	495,690	6,774,837	68.3
15-20	0.0028	99,097	281	494,783	6,279,147	63.4
20-25	0.0049	98,816	480	492,880	5,784,364	58.5
25-30	0.0054	98,336	529	490,355	5,291,485	53.8
30-35	0.0069	97,806	680	487,333	4,801,130	49.1
35-40	0.0090	97,127	872	483,454	4,313,797	44.4
40-45	0.0120	96,255	1,157	478,381	3,830,343	39.8
45-50	0.0184	95,098	1,751	471,111	3,351,961	35.2
50-55	0.0274	93,347	2,561	460,332	2,880,850	30.9
55-60	0.0400	90,786	3,629	444,857	2,420,519	26.7
60-65	0.0568	87,157	4,948	423,416	1,975,662	22.7
65-70	0.0787	82,209	6,468	394,876	1,552,246	18.9
70-75	0.1182	75,741	8,950	356,330	1,157,370	15.3
75-80	0.1813	66,791	12,110	303,679	801,040	12.0
80-85	0.2789	54,681	15,250	235,278	497,362	9.1
85+	1.0000	39,431	39,431	262,083	262,083	6.6

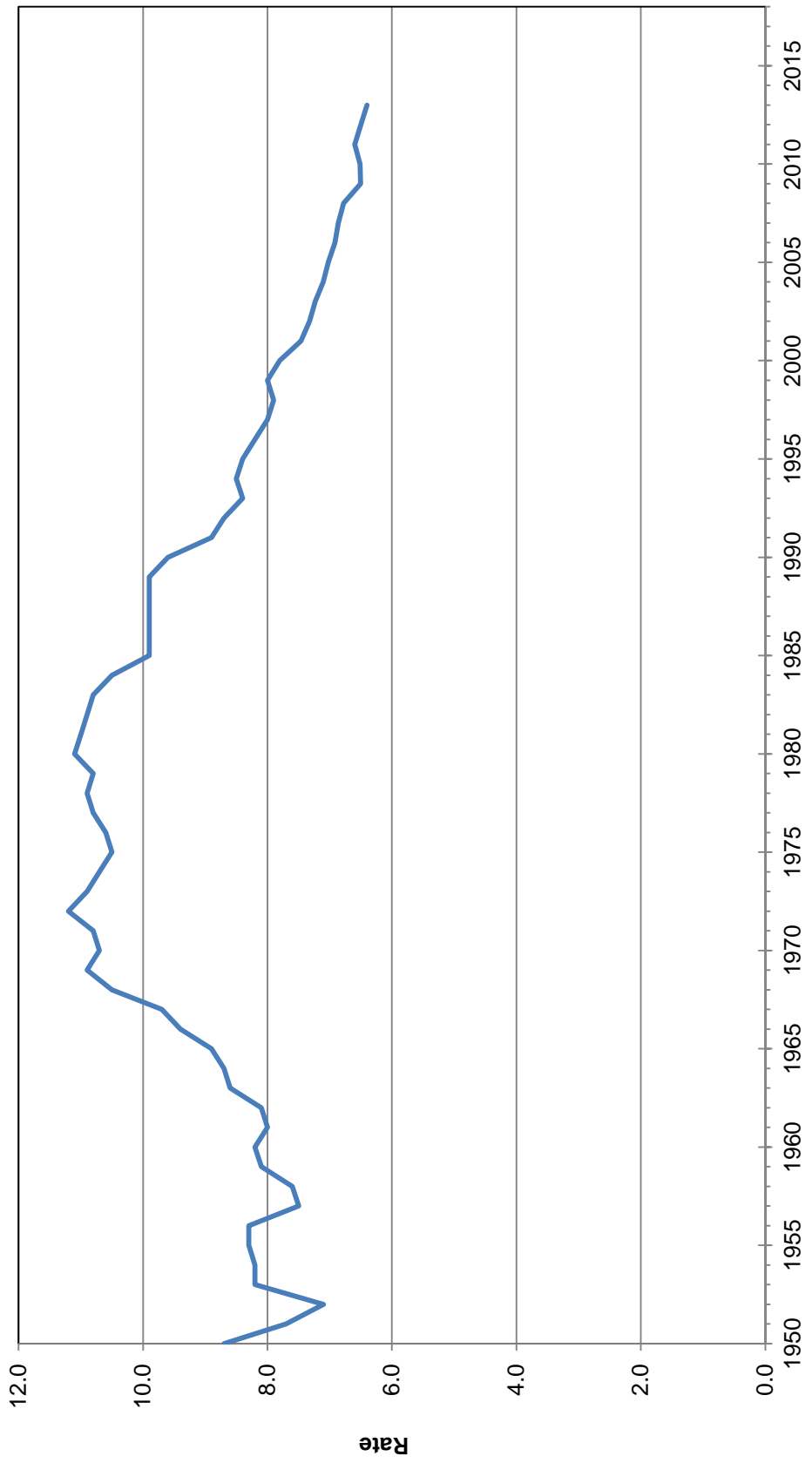
Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2013  
Male Population

Age Interval	Proportion of persons alive at beginning of age interval dying during interval	Of 100,000 Born Alive			Stationary Population		Average Remaining Lifetime
		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	$nQ_x$	$L_x$	$nD_x$	$nL_x$	$T_x$	$E_x$	
0-1	0.0075	100,000	753	99,322	7,515,191	75.2	
1-5	0.0014	99,247	135	396,717	7,415,869	74.7	
5-10	0.0007	99,112	67	495,391	7,019,152	70.8	
10-15	0.0011	99,045	105	494,960	6,523,761	65.9	
15-20	0.0040	98,939	398	493,702	6,028,801	60.9	
20-25	0.0074	98,541	730	490,882	5,535,099	56.2	
25-30	0.0077	97,811	755	487,169	5,044,217	51.6	
30-35	0.0095	97,056	921	482,977	4,557,049	47.0	
35-40	0.0120	96,135	1,150	477,799	4,074,072	42.4	
40-45	0.0144	94,985	1,367	471,505	3,596,273	37.9	
45-50	0.0213	93,617	1,997	463,094	3,124,768	33.4	
50-55	0.0357	91,620	3,267	449,935	2,661,674	29.1	
55-60	0.0511	88,354	4,516	430,478	2,211,739	25.0	
60-65	0.0658	83,838	5,519	405,391	1,781,261	21.2	
65-70	0.0955	78,319	7,480	372,894	1,375,870	17.6	
70-75	0.1396	70,839	9,892	329,465	1,002,976	14.2	
75-80	0.2099	60,947	12,794	272,750	673,511	11.1	
80-85	0.3218	48,153	15,495	202,026	400,761	8.3	
85+	1.0000	32,658	32,658	198,735	198,735	6.1	

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2013  
Female Population

Age Interval	Proportion of persons alive at beginning of age interval dying during interval	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
		Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	
X TO X + N	$nQ_x$	$L_x$	$nD_x$	$nL_x$	$T_x$	$E_x$
0-1	0.0056	100,000	557	99,498	8,030,553	80.3
1-5	0.0012	99,443	115	397,540	7,931,055	79.8
5-10	0.0008	99,327	75	496,448	7,533,515	75.8
10-15	0.0005	99,252	51	496,131	7,037,067	70.9
15-20	0.0019	99,201	192	495,523	6,540,936	65.9
20-25	0.0023	99,009	232	494,462	6,045,413	61.1
25-30	0.0035	98,776	344	493,020	5,550,951	56.2
30-35	0.0049	98,432	482	490,955	5,057,931	51.4
35-40	0.0058	97,950	572	488,320	4,566,976	46.6
40-45	0.0084	97,378	815	484,852	4,078,655	41.9
45-50	0.0144	96,563	1,395	479,328	3,593,804	37.2
50-55	0.0214	95,168	2,032	470,759	3,114,476	32.7
55-60	0.0294	93,136	2,738	458,834	2,643,717	28.4
60-65	0.0412	90,398	3,726	442,675	2,184,883	24.2
65-70	0.0635	86,672	5,505	419,596	1,742,208	20.1
70-75	0.0998	81,166	8,104	385,573	1,322,612	16.3
75-80	0.1553	73,063	11,345	336,949	937,040	12.8
80-85	0.2464	61,717	15,209	270,564	600,090	9.7
85+	1.0000	46,508	46,508	329,526	329,526	7.1

**Graph F. Marriage Rates per 1,000 Population: Missouri, 1950-2013**



Year	Marriages	Rate	Year	Marriages	Rate	Year	Marriages	Rate
1950	34,300	8.7	1975	50,147	10.5	2000	43,665	7.8
1955	34,162	8.3	1980	54,625	11.1	2005	40,675	7.0
1960	35,368	8.2	1985	49,484	9.9	2006	40,399	6.9
1965	39,882	8.9	1990	49,063	9.6	2007	40,405	6.9
1970	50,224	10.7	1995	45,057	8.4	2008	40,146	6.8
						2009	38,768	6.5
						2010	38,998	6.5
						2011	39,481	6.6
						2012	39,378	6.5
						2013	38,932	6.4



**Table 31. Reported Marriages by Age of Groom by Age of Bride: Missouri, 2013**

Age of Groom	Total	Age of Bride															
		15 And Under	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
<b>Total</b>	38,984	19	58	148	721	1,001	1,356	1,666	2,031	2,193	2,369	2,386	2,206	2,035	1,768	1,625	1,487
<b>15 And Under</b>	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
<b>16</b>	8	1	1	3	2	0	1	0	0	0	0	0	0	0	0	0	0
<b>17</b>	24	1	3	4	7	4	2	1	0	0	0	1	0	0	0	1	0
<b>18</b>	251	5	18	28	87	58	33	7	6	3	2	0	1	0	1	0	0
<b>19</b>	583	6	18	50	157	154	100	46	16	11	8	4	1	2	4	1	2
<b>20</b>	837	2	6	23	146	178	209	122	60	32	19	10	6	5	5	4	5
<b>21</b>	1,216	3	4	18	120	190	252	287	148	76	39	22	9	10	6	4	8
<b>22</b>	1,541	0	1	7	54	126	226	298	366	200	93	61	33	24	5	7	9
<b>23</b>	1,776	0	2	2	45	78	154	234	383	381	217	98	49	38	18	25	7
<b>24</b>	1,998	0	1	1	21	51	109	196	296	362	427	226	96	69	33	28	20
<b>25</b>	2,114	0	1	3	20	38	72	114	198	293	367	432	222	120	64	48	34
<b>26</b>	2,153	1	1	3	15	25	49	93	148	208	322	378	376	181	108	69	31
<b>27</b>	2,017	0	0	1	12	19	42	70	93	169	209	284	320	316	161	102	63
<b>28</b>	1,936	0	1	2	9	20	25	43	75	114	163	215	252	283	238	161	97
<b>29</b>	1,780	0	1	0	5	17	19	44	49	74	109	163	189	226	224	192	124
<b>30</b>	1,615	0	0	1	4	5	19	23	44	59	90	116	128	172	202	165	186
<b>31</b>	1,478	0	0	0	8	9	8	13	34	48	69	95	105	135	154	155	155
<b>32</b>	1,403	0	0	1	3	5	4	17	25	26	59	60	89	111	118	119	148
<b>33</b>	1,173	0	0	0	0	6	6	8	14	35	42	38	73	84	87	113	108
<b>34</b>	1,065	0	0	0	0	3	6	13	12	21	31	43	62	60	63	79	92
<b>35-39</b>	3,803	0	0	0	3	7	12	20	33	56	67	86	123	135	196	224	269
<b>40-44</b>	3,000	0	0	0	2	5	5	6	23	14	19	32	51	35	48	89	93
<b>45-49</b>	2,239	0	0	0	1	3	1	5	2	8	10	12	12	17	21	21	21
<b>50-54</b>	1,871	0	0	0	0	0	1	2	0	0	4	7	7	8	9	13	11
<b>55-59</b>	1,227	0	0	1	0	0	0	2	2	2	2	1	1	3	2	0	4
<b>60-64</b>	787	0	0	0	0	0	0	0	2	0	1	1	1	1	1	4	0
<b>65-69</b>	504	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
<b>70-74</b>	270	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0
<b>75 +</b>	311	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
<b>Not Stated</b>	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table 31. Reported Marriages by Age of Groom by Age of Bride: Missouri, 2013**

Age of Groom	Age of Bride													Not Stated
	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 +	
Total	1,322	1,176	1,031	852	3,282	2,581	1,956	1,550	938	573	313	188	150	3
15 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	1	0	0	0	0	0	0	0	0	0
19	2	0	0	0	0	1	0	0	0	0	0	0	0	0
20	0	1	2	1	1	0	0	0	0	0	0	0	0	0
21	2	6	3	2	5	1	1	0	0	0	0	0	0	0
22	7	5	5	3	7	4	0	0	0	0	0	0	0	0
23	6	5	5	13	11	4	1	0	0	0	0	0	0	0
24	18	13	7	7	14	1	1	1	0	0	0	0	0	0
25	15	15	9	9	28	7	4	0	1	0	0	0	0	0
26	38	20	17	13	42	14	1	0	0	0	0	0	0	0
27	34	43	22	19	24	14	0	0	0	0	0	0	0	0
28	68	47	30	21	53	12	5	0	1	0	0	0	1	0
29	93	77	39	34	74	16	6	2	1	2	0	0	0	0
30	121	82	46	39	87	22	4	0	0	0	0	0	0	0
31	156	85	66	48	101	25	6	3	0	0	0	0	0	0
32	154	140	83	50	147	29	10	3	2	0	0	0	0	0
33	105	101	120	60	134	27	10	1	0	1	0	0	0	0
34	89	102	85	84	161	43	10	4	2	0	0	0	0	0
35-39	261	261	283	256	1,044	344	80	36	6	1	0	0	0	0
40-44	90	103	144	127	760	897	330	95	25	5	0	0	1	1
45-49	29	43	47	36	352	630	649	248	51	16	2	1	0	1
50-54	18	16	10	10	147	289	518	563	180	47	9	2	0	0
55-59	9	8	6	11	60	126	206	342	317	93	20	6	3	0
60-64	4	2	0	5	16	41	74	150	220	203	45	11	5	0
65-69	2	0	2	3	7	25	31	62	89	130	113	34	3	0
70-74	1	0	0	1	4	7	6	25	29	48	59	64	23	0
75 +	0	0	0	0	2	1	3	14	14	27	65	70	114	0
Not Stated	0	0	0	0	0	1	0	1	0	0	0	0	0	1

**Table 32: Reported Marriages by Age and Previous Marital Status - Missouri, 2013**

Age	Bride				Groom			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
<b>Total</b>	38,984	25,209	1,179	12,495	38,984	25,043	1,150	12,724
<b>15 And Under</b>	19	19	0	0	1	1	0	0
<b>16</b>	58	56	0	0	8	8	0	0
<b>17</b>	148	147	0	0	24	24	0	0
<b>18</b>	721	715	1	0	251	251	0	0
<b>19</b>	1,001	986	0	10	583	579	0	1
<b>20</b>	1,356	1,325	2	25	837	829	0	4
<b>21</b>	1,666	1,609	2	48	1,216	1,204	0	9
<b>22</b>	2,031	1,944	1	78	1,541	1,504	0	35
<b>23</b>	2,193	2,066	2	120	1,776	1,713	0	59
<b>24</b>	2,369	2,168	5	194	1,998	1,910	0	84
<b>25</b>	2,386	2,158	1	222	2,114	1,988	1	118
<b>26</b>	2,206	1,917	5	282	2,153	1,988	2	161
<b>27</b>	2,035	1,733	2	296	2,017	1,817	4	195
<b>28</b>	1,768	1,400	6	360	1,936	1,650	3	280
<b>29</b>	1,625	1,201	4	417	1,780	1,460	6	310
<b>30</b>	1,487	1,056	9	420	1,615	1,286	2	324
<b>31</b>	1,322	847	9	461	1,478	1,095	3	379
<b>32</b>	1,176	696	8	471	1,403	1,002	3	396
<b>33</b>	1,031	519	16	492	1,173	771	4	394
<b>34</b>	852	408	11	430	1,065	639	6	417
<b>35-39</b>	3,282	1,148	60	2,069	3,803	1,715	37	2,049
<b>40-44</b>	2,581	560	97	1,913	3,000	786	59	2,151
<b>45-49</b>	1,956	245	120	1,586	2,239	418	60	1,757
<b>50-54</b>	1,550	150	148	1,248	1,871	235	127	1,505
<b>55-59</b>	938	73	159	703	1,227	95	151	979
<b>60-64</b>	573	34	169	368	787	43	152	592
<b>65-69</b>	313	18	125	169	504	19	172	313
<b>70-74</b>	188	4	104	80	270	8	130	131
<b>75 +</b>	150	6	113	31	311	5	228	78
<b>Not Stated</b>	3	1	0	2	3	0	0	3
<b>Median Age at Marriage</b>	28.7	25.8	57.4	39.7	30.8	27.3	63.4	42.6

**Table 33. Reported Marriages by Previous Marital Status: Missouri, 2013**

<u>Bride</u>	Total	<u>Groom</u>			
		Single	Divorced	Widowed	Unknown
<b>Total</b>	38,984	25,043	12,724	1,150	67
<b>Single</b>	25,209	21,042	4,009	143	15
<b>Divorced</b>	12,495	3,819	8,067	602	7
<b>Widowed</b>	1,179	147	629	402	1
<b>Unknown</b>	101	35	19	3	44

**Table 34. Reported Marriages by Race: Missouri, 2013**

<u>Race of Bride</u>	Total	<u>Race of Groom</u>		
		White	Black	Other
<b>Total</b>	38,984	32,328	4,180	1,043
<b>White</b>	32,686	31,011	799	492
<b>Black</b>	3,588	283	3,234	41
<b>Unknown</b>	1,520	430	71	6
<b>Other</b>	1,190	604	76	504

**Table 35. Reported Marriages by Month of Event: Missouri, 2013**

<b>Total</b>	38,984
<b>January</b>	1,462
<b>February</b>	1,701
<b>March</b>	2,596
<b>April</b>	3,115

<b>May</b>	4,074
<b>June</b>	4,886
<b>July</b>	3,524
<b>August</b>	3,412
<b>September</b>	4,523

<b>October</b>	4,586
<b>November</b>	2,672
<b>December</b>	2,433

**Table 36A. Reported Marriages by County of Recording with Rates per 1,000 Population: Missouri, 2013**

Counties	Population	Marriages	Rate
State Total	6,044,171	38,984	6.4
Adair	25,572	196	7.7
Andrew	17,445	101	5.8
Atchison	5,449	56	10.3
Audrain	25,661	137	5.3
Barry	35,572	224	6.3
Barton	12,275	84	6.8
Bates	16,550	105	6.3
Benton	18,932	98	5.2
Bollinger	12,490	63	5.0
Boone	170,773	1,035	6.1
Buchanan	89,631	578	6.4
Butler	43,083	382	8.9
Caldwell	9,097	51	5.6
Callaway	44,359	220	5.0
Camden	43,862	349	8.0
Cape Girardeau	77,320	560	7.2
Carroll	9,127	59	6.5
Carter	6,291	38	6.0
Cass	100,641	520	5.2
Cedar	13,913	64	4.6
Chariton	7,628	38	5.0
Christian	80,899	432	5.3
Clark	6,910	58	8.4
Clay	230,473	1,285	5.6
Clinton	20,571	94	4.6
Cole	76,699	556	7.2
Cooper	17,647	111	6.3
Crawford	24,543	170	6.9
Dade	7,578	33	4.4
Dallas	16,535	87	5.3
Davies	8,294	56	6.8
DeKalb	12,840	81	6.3
Dent	15,730	107	6.8
Douglas	13,515	109	8.1
Dunklin	31,712	184	5.8
Franklin	101,816	681	6.7
Gasconade	14,901	103	6.9
Gentry	6,775	42	6.2

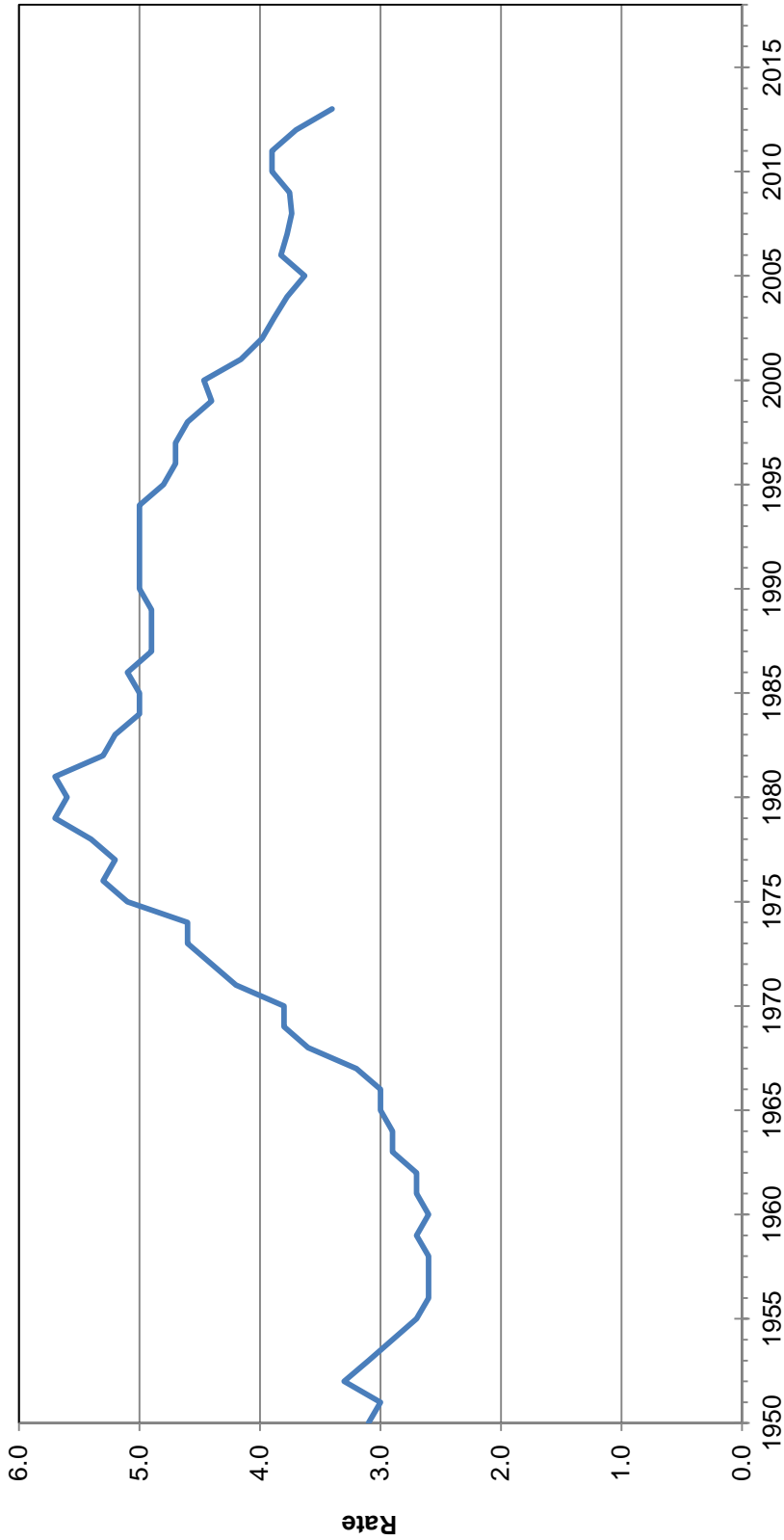
Counties	Population	Marriages	Rate
Greene	283,870	1,910	6.7
Grundy	10,355	60	5.8
Harrison	8,741	47	5.4
Henry	22,059	133	6.0
Hickory	9,305	58	6.2
Holt	4,568	28	6.1
Howard	10,257	49	4.8
Howell	40,393	320	7.9
Iron	10,344	75	7.3
Jackson	679,996	5,391	7.9
Jasper	116,398	850	7.3
Jefferson	221,396	955	4.3
Johnson	54,572	369	6.8
Knox	4,067	26	6.4
Laclede	35,667	315	8.8
Lafayette	32,943	154	4.7
Lawrence	38,185	290	7.6
Lewis	10,152	50	4.9
Lincoln	53,860	312	5.8
Linn	12,368	68	5.5
Livingston	14,871	135	9.1
Macon	15,544	92	5.9
Madison	12,431	54	4.3
Maries	9,018	48	5.3
Marion	28,904	228	7.9
McDonald	22,558	174	7.7
Mercer	3,695	26	7.0
Miller	25,092	169	6.7
Mississippi	14,282	109	7.6
Moniteau	15,748	70	4.4
Monroe	8,774	56	6.4
Montgomery	11,965	60	5.0
Morgan	20,265	149	7.4
New Madrid	18,365	95	5.2
Newton	58,845	376	6.4
Nodaway	23,261	128	5.5
Oregon	10,996	58	5.3
Osage	13,688	82	6.0
Ozark	9,560	54	5.6

Counties	Population	Marriages	Rate
Pemiscot	17,823	118	6.6
Perry	19,072	132	6.9
Pettis	42,205	301	7.1
Phelps	44,807	332	7.4
Pike	18,669	150	8.0
Platte	93,310	545	5.8
Polk	30,974	172	5.6
Pulaski	53,748	544	10.1
Putnam	4,875	30	6.2
Ralls	10,192	83	8.1
Randolph	24,940	165	6.6
Ray	23,039	143	6.2
Reynolds	6,599	38	5.8
Ripley	14,032	115	8.2
Saline	23,252	139	6.0
Schuyler	4,358	29	6.7
Scotland	4,921	34	6.9
Scott	39,290	284	7.2
Shannon	8,297	56	6.7
Shelby	6,177	40	6.5
St. Charles	373,495	1,881	5.0
St. Clair	9,487	61	6.4
St. Francois	66,215	529	8.0
St. Louis City	318,416	2,328	7.3
St. Louis County	1,001,444	5,566	5.6
Ste. Genevieve	17,778	104	5.8
Stoddard	29,780	237	8.0
Stone	31,297	162	5.2
Sullivan	6,448	44	6.8
Taney	53,575	731	13.6
Texas	25,636	145	5.7
Vernon	20,949	125	6.0
Warren	32,999	196	5.9
Washington	25,172	188	7.5
Wayne	13,404	96	7.2
Webster	36,466	235	6.4
Worth	2,090	9	4.3
Wright	18,473	127	6.9

**Table 36B. Reported Marriages by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2013**

BRFSS Region	Population	Marriages	Rate
State Total	6,044,171	38,984	6.4
Northeast	252,672	1,747	6.9
Northwest	242,793	1,554	6.4
Central	716,635	4,907	6.8
Southeast	577,181	4,082	7.1
Southwest	919,672	6,299	6.8
St. Louis Region	2,128,598	12,107	5.7
Kansas City Region	1,206,620	8,288	6.9
Metro	4,510,173	27,945	6.2
Non-Metro	1,533,998	11,039	7.2

**Graph G. Dissolution Rates per 1,000 Population: Missouri, 1950-2013**



Year	Dissolutions	Rate	Year	Dissolutions	Rate	Year	Dissolutions	Rate
1950	12,177	3.1	1975	24,527	5.1	2000	24,980	4.5
1955	11,351	2.7	1980	27,595	5.6	2005	21,013	3.6
1960	11,320	2.6	1985	24,990	5.0	2006	22,358	3.8
1965	13,261	3.0	1990	25,701	5.0	2007	22,223	3.8
1970	17,852	3.8	1995	25,733	4.8	2008	22,132	3.7
						2009	22,374	3.8
						2010	23,349	3.9
						2011	23,272	3.9
						2012	22,553	3.7
						2013	20,684	3.4

**Table 37. Reported Marriage Dissolution Decrees By Month and By Type of Decree: Missouri, 2013**

	Total Decrees	Dissolutions	Legal Separations	Annulments
State Total	20,774	20,632	91	51
January	1,762	1,748	9	5
February	1,400	1,391	7	2
March	1,830	1,820	8	2
April	1,930	1,918	6	6
May	2,039	2,030	5	4
June	1,707	1,700	5	2
July	1,770	1,761	5	4
August	1,706	1,692	10	4
September	1,614	1,601	7	6
October	1,813	1,799	7	7
November	1,559	1,543	11	5
December	1,644	1,629	11	4

**Table 38. Reported Dissolutions and Annulments of Marriage By Number of Previous Marriages: Missouri, 2013**

	Total	<u>Wife</u>						
		None	One	Two	Three	Four	Five Or More	Unknown
<u>Husband</u>								
State Total	20,684	11,702	4,532	1,461	464	140	68	2,317
None	11,882	9,685	1,682	317	71	17	12	98
One	4,533	1,607	1,933	606	162	61	24	140
Two	1,452	289	587	361	133	28	19	35
Three	410	52	157	94	68	14	5	20
Four	111	7	44	30	11	14	4	1
Five Or More	46	3	18	11	8	2	2	2
Unknown	2,250	59	111	42	11	4	2	2,021



**Table 39. Reported Dissolutions and Annulments of Marriage By Duration of Marriage and Number of Children Affected: Missouri, 2013**

Duration	Total	Children Affected									
		No Children	One	Two	Three	Four	Five	Six Or More	Unknown		
State Total	20,684	10,518	4,389	3,843	1,297	306	61	39	231		
Under 1 Year	521	457	37	10	1	3	1	0	12		
1 Year	1,273	957	221	57	13	5	4	1	15		
2 Years	1,489	1,002	337	99	22	5	1	1	22		
3 Years	1,401	839	346	160	30	8	1	0	17		
4 Years	1,402	763	385	186	39	7	2	0	20		
5 Years	1,252	601	335	240	57	7	1	1	10		
6 Years	1,175	516	307	260	68	8	2	1	13		
7 Years	1,040	437	270	241	70	12	1	1	8		
8-9 Years	1,793	791	353	438	143	35	9	4	20		
10-12 Years	2,207	817	439	627	227	63	7	2	25		
13-15 Years	1,710	567	346	491	215	58	17	7	9		
16-19 Years	1,666	515	336	495	232	45	10	12	21		
20-24 Years	1,520	630	355	357	127	29	4	5	13		
25-29 Years	898	581	194	83	23	6	0	2	9		
30-34 Years	525	451	46	11	8	5	0	0	4		
35-39 Years	245	224	10	7	3	0	0	0	1		
40 Years and Longer	206	191	5	6	0	3	1	0	0		
Unknown	361	179	67	75	19	7	0	2	12		

**Table 40. Reported Dissolutions and Annulments of Marriage By Race of Wife By Race of Husband: Missouri, 2013**

	Wife	Total	Husband		
			White	Black	Other
State Total		20,684	16,340	1,708	298
White		16,489	15,789	326	165
Black		1,432	94	1,297	10
Other		318	182	18	115
Unknown		2,445	275	67	8
					2,095

**Table 41. Reported Dissolutions and Annulments of Marriage By Petitioner By Disposition of Children and By Child Support Awarded: Missouri, 2013**

<u>Petitioner</u>	Total	<u>Custody Given To:</u>					
		Husband	Wife	Joint	Other	No Children	Unknown
State Total	20,684	402	2,638	6,428	218	10,988	10
Husband	7,588	344	455	2,398	98	4,289	4
Wife	12,516	52	2,119	3,841	113	6,385	6
Joint	159	2	18	66	0	73	0
Other	12	0	2	1	0	9	0
Unknown	409	4	44	122	7	232	0

<u>Petitioner</u>	Total	<u>Child Support Awarded To:</u>					
		Husband	Wife	No Support	Other	Unknown	No Child
State Total	20,684	498	6,116	2,976	31	75	10,988
Husband	7,588	332	1,599	1,333	11	24	4,289
Wife	12,516	152	4,352	1,557	20	50	6,385
Joint	159	3	51	32	0	0	73
Other	12	0	3	0	0	0	9
Unknown	409	11	111	54	0	1	232

**Table 42. Reported Dissolutions and Annulments of Marriage By Age of Wife By Age of Husband: Missouri, 2013**

<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	
Total	20,684	19	922	2,372	3,015	3,025	2,966	4,605	2,090	783	887	
Less Than 20	91	9	68	6	1	4	1	1	0	0	1	
20-24	1,471	8	672	585	120	36	11	7	6	0	26	
25-29	2,862	1	132	1,323	911	317	81	43	9	0	45	
30-34	3,236	0	19	291	1,449	905	333	157	25	7	50	
35-39	2,912	0	6	71	319	1,167	860	383	58	11	37	
40-44	2,841	0	2	20	94	371	1,119	1,042	138	20	35	
45-54	4,073	0	1	6	33	123	435	2,482	818	111	64	
55-64	1,599	0	0	3	11	15	35	348	890	278	19	
65 +	473	0	0	0	1	5	6	27	89	334	11	
Unknown	1,126	1	22	67	76	82	85	115	57	22	599	

**Table 43A. Reported Dissolutions and Annulments By County of Recording with Rates per 1,000 Population: Missouri, 2013**

Counties	Population	Decrees	Rate
<b>State Total</b>	6,044,171	20,684	3.4
Adair	25,572	69	2.7
Andrew	17,445	312	17.9
Atchison	5,449	24	4.4
Audrain	25,661	95	3.7
Barry	35,572	46	1.3
Barton	12,275	42	3.4
Bates	16,550	64	3.9
Benton	18,932	50	2.6
Bollinger	12,490	47	3.8
Boone	170,773	564	3.3
Buchanan	89,631	155	1.7
Butler	43,083	261	6.1
Caldwell	9,097	37	4.1
Callaway	44,359	109	2.5
Camden	43,862	100	2.3
Cape Girardeau	77,320	280	3.6
Carroll	9,127	41	4.5
Carter	6,291	23	3.7
Cass	100,641	291	2.9
Cedar	13,913	55	4.0
Chariton	7,628	18	2.4
Christian	80,899	357	4.4
Clark	6,910	32	4.6
Clay	230,473	799	3.5
Clinton	20,571	70	3.4
Cole	76,699	247	3.2
Cooper	17,647	48	2.7
Crawford	24,543	127	5.2
Dade	7,578	14	1.8
Dallas	16,535	54	3.3
Davies	8,294	25	3.0
DeKalb	12,840	33	2.6
Dent	15,730	76	4.8
Douglas	13,515	59	4.4
Dunklin	31,712	166	5.2
Franklin	101,816	399	3.9
Gasconade	14,901	51	3.4
Gentry	6,775	23	3.4

Counties	Population	Decrees	Rate
Greene	283,870	1,159	4.1
Grundy	10,355	56	5.4
Harrison	8,741	52	5.9
Henry	22,059	93	4.2
Hickory	9,305	23	2.5
Holt	4,568	11	2.4
Howard	10,257	32	3.1
Howell	40,393	203	5.0
Iron	10,344	46	4.4
Jackson	679,996	2,058	3.0
Jasper	116,398	690	5.9
Jefferson	221,396	611	2.8
Johnson	54,572	194	3.6
Knox	4,067	9	2.2
Laclede	35,667	167	4.7
Lafayette	32,943	129	3.9
Lawrence	38,185	108	2.8
Lewis	10,152	32	3.2
Lincoln	53,860	174	3.2
Linn	12,368	35	2.8
Livingston	14,871	74	5.0
Macon	15,544	62	4.0
Madison	12,431	70	5.6
Maries	9,018	27	3.0
Marion	28,904	117	4.0
McDonald	22,558	62	2.7
Mercer	3,695	19	5.1
Miller	25,092	118	4.7
Mississippi	14,282	61	4.3
Moniteau	15,748	49	3.1
Monroe	8,774	31	3.5
Montgomery	11,965	45	3.8
Morgan	20,265	52	2.6
New Madrid	18,365	72	3.9
Newton	58,845	177	3.0
Nodaway	23,261	75	3.2
Oregon	10,996	43	3.9
Osage	13,688	42	3.1
Ozark	9,560	37	3.9

Counties	Population	Decrees	Rate
Pemiscot	17,823	73	4.1
Perry	19,072	79	4.1
Pettis	42,205	211	5.0
Phelps	44,807	151	3.4
Pike	18,669	68	3.6
Platte	93,310	358	3.8
Polk	30,974	133	4.3
Pulaski	53,748	332	6.2
Putnam	4,875	19	3.9
Ralls	10,192	38	3.7
Randolph	24,940	119	4.8
Ray	23,039	67	2.9
Reynolds	6,599	24	3.6
Ripley	14,032	87	6.2
Saline	23,252	66	2.8
Schuyler	4,358	15	3.4
Scotland	4,921	18	3.7
Scott	39,290	202	5.1
Shannon	8,297	21	2.5
Shelby	6,177	23	3.7
St. Charles	373,495	1,269	3.4
St. Clair	9,487	39	4.1
St. Francois	66,215	310	4.7
St. Louis City	318,416	292	0.9
St. Louis County	1,001,444	2,830	2.8
Ste. Genevieve	17,778	55	3.1
Stoddard	29,780	170	5.7
Stone	31,297	106	3.4
Sullivan	6,448	27	4.2
Taney	53,575	256	4.8
Texas	25,636	71	2.8
Vernon	20,949	83	4.0
Warren	32,999	113	3.4
Washington	25,172	96	3.8
Wayne	13,404	70	5.2
Webster	36,466	125	3.4
Worth	2,090	188	90.0
Wright	18,473	102	5.5

**Table 43B. Reported Dissolutions and Annulments By BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2013**

<b>BRFSS Region</b>	<b>Population</b>	<b>Decrees Recorded</b>	<b>Rate</b>
<b>Total</b>	6,044,171	20,684	3.4
<b>Northeast</b>	252,672	947	3.7
<b>Northwest</b>	242,793	1,133	4.7
<b>Central</b>	716,635	2,643	3.7
<b>Southeast</b>	577,181	2,632	4.6
<b>Southwest</b>	919,672	3,672	4.0
<b>St. Louis Region</b>	2,128,598	5,784	2.7
<b>Kansas City Region</b>	1,206,620	3,873	3.2
<b>Metro</b>	4,510,173	14,251	3.2
<b>Non-Metro</b>	1,533,998	6,433	4.2

## 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 2013 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 some Illinois clinics for 1988-2013. These estimates are shown in Graph D.

There is no interstate exchange of records for marriages, dissolutions, and annulments. Tables using these data files (Tables 31 through 43) report events that occurred in Missouri, regardless of the residence of the parties involved.

The data within this report represent the 2013 calendar year of events. Live births were accepted through March 15, 2014, death and fetal death records through April 15, 2014, and marriages, dissolutions and abortions were accepted through May 20, 2014.

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

### POPULATION

All Missouri county and city population estimates for 2013 were developed by the United States Census Bureau (Vintage 2013). 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, 2001-2009 and 2011-2012 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).

### **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, it was decided by NCHS 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 and the 2003 US Standard certificates for live births and deaths. 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 2013 Missouri resident data showed that 3.1 percent of births were to mothers of multiple races and 0.2 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 using 2013 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 6.0 percent less than white births (pre-2010 method). The 2010 method resulted in 7.0 percent fewer black, non-Hispanic births than black births using the pre-2010 method. The low birth weight rate for white, non-Hispanics of 7.0 percent was the same as the white rate. The low birth weight rate for black, non-Hispanics was 14.0 percent compared to 13.7 percent for black births using the pre-2010 method. The overall black to white ratio for low birth weight was 1.95 using the pre-2010 method compared 2.00 using the new 2010 method.

### Appendix Table A

#### Effects of Changes in Racial Classification Methods on 2013 Low Birth Weight (less than 5.5 lbs) Rates by Race

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

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
White	59,856	4,193	7.0	
Black	11,586	1,583	13.7	1.95
Other and Multiple	3,658	262	7.2	
Unknown race	144	8	5.6	
<b>Total</b>	<b>75,244</b>	<b>6,046</b>	<b>8.0</b>	

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

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
White, Non-Hispanic	56,244	3,928	7.0	
Black, Non-Hispanic	10,771	1,505	14.0	2.00
Hispanic, any Race	3,931	266	6.8	
Other and Multiple	4,254	343	8.1	
Unknown race	44	4	9.1	
<b>Total (includes unknown race)</b>	<b>75,244</b>	<b>6,046</b>	<b>8.0</b>	

\* 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 MICA query tools (<http://health.mo.gov/data/mica/MICA/>) should note that the above changes will not be 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. For instance, the black to white infant death rate ratio increases from 2.13 using the single-race method (Death MICA) to 2.18 using the multiple-race method (this report). The changes in racial classification had a greater effect on the "other/multiple race, non-Hispanic" category as the low birth weight rate for this group increased from 7.2 percent using the single-race method to 8.1 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 are compiled in relation 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. 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 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.)

## UNKNOWN AND IMPUTED DATA

Records of Missouri residents with unknown county of residence are included in the state totals of this publication. In annual vital statistics reports before 1979, these records were excluded from totals. The number of 2013 records with unknown county of residence by system is as follows:

Live Births .....	0
Fetal Deaths.....	0
Deaths.....	2
Abortions.....	105

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 at-risk 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 HIGHLIGHTED 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, 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** (Age-Adj Rate) 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:

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

- 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.

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.

## GESTATIONAL AGE CORRECTION

Beginning in 2003, a correction was made in the calculation of weeks of gestational age. A rounding error had occurred in annual vital statistics reports before 2003 that tended to increase gestational age and in turn, substantially decrease the rate of births less than 37 weeks gestation (Table 10). This also had a relatively slight effect on other indicators that use gestational age, including inadequate prenatal care and weight gain during full-term pregnancy.

## 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 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. As a result, 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 only indicated 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. 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 more likely an artifact of the less accurate reporting in the past of the month prenatal care began.

### **DEFINITIONS FOR 2010 AND LATER BIRTH DATA**

**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 eight 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; Other Midwife: includes other non-certified midwives; other, specify, Certified Professional Midwives will check this box, write CPM, and include their certification number.

**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 greater 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.

Fetal Death – Spontaneous death in utero at 20 or more weeks of gestation, or has a delivery weight of at least 350 grams if the gestational age is unknown.

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.

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 were unknown, then these records were included. (This is referred to as the Missouri Index of Adequacy of Prenatal Care Utilization.)

Infant Death – Baby dying during the first year of life.

Infant Transfer – 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 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 baby 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).

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.

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 smoked an average of 20 or more cigarettes per day over the course of an entire three-trimester pregnancy. (See “Unknowns” above.)

Teen-age Pregnancy – A live birth, fetal death or abortion occurring to a woman under 20 years of age.

## **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 train 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. For a general measure of the extent of the changes between the ninth and tenth revisions, consult <http://www.cdc.gov/nchs/products/nvsr.htm#vol49>. 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.

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. The other 31 rankable causes are in the list that follows. 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. Twenty rankable and seventeen 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 Report (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

### ADDITIONAL CAUSE OF DEATH GROUPINGS USED FOR RANKING BY NCHS BUT NOT IN THIS REPORT

Cause .....	ICD-10 Codes
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

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

Beginning in 2010, the death certificate included 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 ‘Death - Leading Cause’ Community Data Profile.

### 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 (Table 27) are presented in terms of 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 is 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. Unintentional injury deaths occurring 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 4 <sup>th</sup> -digit place code of 0
Public non-transport total .....	W00-X59 with 4 <sup>th</sup> -digit place 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



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

In 2013, we added a new death table 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, marital status, education of deceased, and whether autopsy 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 2013 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.

The term "abridged" indicates that the age intervals used for the tables are in five-year age groupings rather than single years of age.

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