

**Infant Deaths, Live Births and Infant Death Rates
Detroit City, Wayne County Residents, 1989-2017**

Single Year

Year	Infant Deaths	Live Births	Infant Death Rate
2017	137	9,644	14.2 ±2.4
2016	125	9,419	13.3 ±2.3
2015	142	9,895	14.4 ±2.3
2014	130	9,818	13.2 ±2.3
2013	132	10,123	13.0 ±2.2
2012	148	10,081	14.7 ±2.3
2011	130	10,338	12.6 ±2.1
2010	146	10,941	13.3 ±2.2
2009	166	11,180	14.8 ±2.2
2008	175	11,791	14.8 ±2.2
2007	179	12,126	14.8 ±2.1
2006	175	13,002	13.5 ±2.0
2005	210	13,156	16.0 ±2.1
2004	211	13,556	15.6 ±2.1
2003	227	13,972	16.2 ±2.1
2002	239	14,187	16.8 ±2.1
2001	210	15,145	13.9 ±1.9
2000	232	15,795	14.7 ±1.9
1999	245	15,800	15.5 ±1.9
1998	241	16,429	14.7 ±1.8
1997	253	16,725	15.1 ±1.8
1996	248	16,586	15.0 ±1.8
1995	274	17,578	15.6 ±1.8
1994	322	19,421	16.6 ±1.8
1993	348	20,260	17.2 ±1.8
1992	462	21,548	21.4 ±1.9
1991	456	23,457	19.4 ±1.8
1990	491	24,129	20.3 ±1.8
1989	485	22,721	21.3 ±1.9

Three-Year Moving Averages

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Years	Average Number of Infant Deaths	Average Number of Live Births	Average Infant Death Rate
2015-2017	134.7	9,652.7	14.0 ±1.4
2014-2016	132.3	9,710.7	13.6 ±1.3
2013-2015	134.7	9,945.3	13.5 ±1.3
2012-2014	136.7	10,007.3	13.7 ±1.3
2011-2013	136.7	10,180.7	13.4 ±1.3
2010-2012	141.3	10,453.3	13.5 ±1.3
2009-2011	147.3	10,819.7	13.6 ±1.3
2008-2010	162.3	11,304.0	14.4 ±1.3
2007-2009	173.3	11,699.0	14.8 ±1.3
2006-2008	176.3	12,306.3	14.3 ±1.2
2005-2007	188.0	12,761.3	14.7 ±1.2
2004-2006	198.7	13,238.0	15.0 ±1.2
2003-2005	216.0	13,561.3	15.9 ±1.2
2002-2004	225.7	13,905.0	16.2 ±1.2
2001-2003	225.3	14,434.7	15.6 ±1.2
2000-2002	227.0	15,042.3	15.1 ±1.1
1999-2001	229.0	15,580.0	14.7 ±1.1
1998-2000	239.3	16,008.0	15.0 ±1.1
1997-1999	246.3	16,318.0	15.1 ±1.1
1996-1998	247.3	16,580.0	14.9 ±1.1
1995-1997	258.3	16,963.0	15.2 ±1.1
1994-1996	281.3	17,861.7	15.8 ±1.1
1993-1995	314.7	19,086.3	16.5 ±1.0
1992-1994	377.3	20,409.7	18.5 ±1.1
1991-1993	422.0	21,755.0	19.4 ±1.1
1990-1992	469.7	23,044.7	20.4 ±1.1
1989-1991	477.3	23,435.7	20.4 ±1.0

Five-Year Moving Averages

Years	Average Number of Infant Deaths	Average Number of Live Births	Average Infant Death Rate
2013-2017	133.2	9,779.8	13.6 ±1.0
2012-2016	135.4	9,867.2	13.7 ±1.0

2011-2015	136.4	10,051.0	13.6 ±1.0
2010-2014	137.2	10,260.2	13.4 ±1.0
2009-2013	144.4	10,532.6	13.7 ±1.0
2008-2012	153.0	10,866.2	14.1 ±1.0
2007-2011	159.2	11,275.2	14.1 ±1.0
2006-2010	168.2	11,808.0	14.2 ±1.0
2005-2009	181.0	12,251.0	14.8 ±1.0
2004-2008	190.0	12,726.2	14.9 ±0.9
2003-2007	200.4	13,162.4	15.2 ±0.9
2002-2006	212.4	13,574.6	15.6 ±0.9
2001-2005	219.4	14,003.2	15.7 ±0.9
2000-2004	223.8	14,531.0	15.4 ±0.9
1999-2003	230.6	14,979.8	15.4 ±0.9
1998-2002	233.4	15,471.2	15.1 ±0.9
1997-2001	236.2	15,978.8	14.8 ±0.8
1996-2000	243.8	16,267.0	15.0 ±0.8
1995-1999	252.2	16,623.6	15.2 ±0.8
1994-1998	267.6	17,347.8	15.4 ±0.8
1993-1997	289.0	18,114.0	16.0 ±0.8
1992-1996	330.8	19,078.6	17.3 ±0.8
1991-1995	372.4	20,452.8	18.2 ±0.8
1990-1994	415.8	21,763.0	19.1 ±0.8
1989-1993	448.4	22,423.0	20.0 ±0.8

Notes:

Minor Civil Division (MCD) means city, township or village.

During the late 2000s, the Division for Vital Records and Health Statistics (DVRHS) recoded the decedents' residency reported on the death certificate using geocoding--the process of converting addresses to geographic coordinates. The division recoded data in order to improve the accuracy of small area health statistics. Statistics on this table reflect the geocoded data and will vary from pre-2011 releases of MCD data based on the reported residency.

Prior to 2000, MCD data contained in vital statistics data files, and reports developed from the files, are based upon the information supplied to the department in the course of registering vital events. Special studies of MCD data quality revealed that there are inaccuracies in these data. The degree of inaccuracy encountered is as high as 25 percent. When rates calculated from these data differ substantially from geocoded data, one should consider whether the events were allocated to the proper MCD.

Infant Deaths: Deaths occurring to individuals less than 1 year of age.

Infant Death Rates: The infant death rate is the number of resident infant deaths divided by total resident live births X 1,000. Adding and subtracting the number shown after the ± symbol from the rate creates a confidence interval indicating that the true rate lies between the lower and upper bounds of this interval with 95 % statistical confidence. The true rate lies between the lower and upper bounds of the interval with 95% statistical confidence. If the confidence interval is large for a single year comparison, it is suggested that you use the three year and five year moving average rates.

★: A rate is not calculated when there are fewer than 6 events, because the width of the confidence interval would negate any usefulness for comparative purposes.

—: A dash indicates that there were either no births or no infant deaths from this category.

Source: 1989-1999 Michigan Death Certificate Registries;2000-2017 Geocoded Michigan Death Certificate Registries.,

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