



Detroit Life Expectancy Methodology and Data Table

Methods

Population data were calculated using a weighted average of 2000 and 2010 data obtained from the U.S. Census Bureau. Death count Vital Records and Health Statistics Section, Michigan Department of Health and Human Services. The most recently available years of death data (2004 to 2013) were aggregated into 19 age groups (see below) by decedent's residential zip code. The average number of deaths across the ten years was computed in order to match the single year of population data (weighted

average of 2000 and 2010) used. Death counts and population data were then entered into abridged life tables using the Chiang methodology¹. The death counts and population counts for age groups with zero death counts were replaced with the corresponding death counts and population counts for Wayne County. Zip codes with greater than 30% population change and population of less than 10,000 or with greater than 30% of the population in group quarters were excluded from analysis.

Age Groups

- <1 Year
- 1 to 4 Years
- 5 to 9 Years
- 10 to 14 Years
- 15 to 19 Years
- 20 to 24 Years
- 25 to 29 Years
- 30 to 34 Years
- 35 to 39 Years
- 40 to 44 Years
- 45 to 49 Years
- 50 to 54 Years
- 55 to 59 Years
- 60 to 64 Years
- 65 to 69 Years
- 70 to 74 Years
- 75 to 79 Years
- 80 to 84 Years
- 85 Years and Over

The following table contains the life expectancy values for all the Detroit area zip codes that were part of this project. The final life expectancy map was based on the values in this table:

Zip Code	Life Expectancy at Birth	Zip Code (cont'd)	Life Expectancy at Birth (cont'd)	Zip Code (cont'd)	Life Expectancy at Birth (cont'd)	Zip Code (cont'd)	Life Expectancy at Birth (cont'd)
48101	79	48164	77	48202	71	48219	73
48111	76	48168	85	48203	70	48221	74
48120	80	48170	81	48204	71	48223	72
48122	73	48173	77	48205	70	48224	71
48124	80	48174	74	48206	71	48225	77
48125	75	48180	75	48207	70	48226	74
48126	79	48183	79	48208	70	48227	71
48127	79	48184	74	48209	73	48228	71
48128	81	48185	77	48210	72	48229	70
48134	77	48186	75	48211	72	48230	81
48135	76	48187	81	48212	74	48234	71
48138	81	48188	80	48213	70	48235	73
48141	72	48191	Insufficient Data	48214	71	48236	82
48146	74	48192	75	48215	70	48238	71
48150	79	48193	79	48216	75	48239	77
48152	81	48195	78	48217	71	48240	76
48154	81	48201	69	48218	71		

1. Chiang CL. The life table and its construction. In: Introduction to stochastic processes in biostatistics. New York: John Wiley & Sons; 1968: 189–214

ABOUT THE CENTER

The Center on Society and Health is an academic research center that studies the connections between social factors and health.

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