

# Philadelphia 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 data were obtained from the Philadelphia Department of Public Health. The most recently available years of death data (2003 to 2012) 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 methodology<sup>1</sup>. The death counts and population counts for age groups with zero death counts were replaced with the corresponding death counts and population counts for Philadelphia 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 Philadelphia 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)
19102	80	19124	74	19141	75
19103	83	19125	72	19142	74
19104	74	19126	76	19143	73
19106	88	19127	73	19144	75
19107	81	19128	78	19145	76
19111	78	19129	77	19146	73
19112	Insufficient Data	19130	78	19147	78
19114	78	19131	75	19148	76
19115	79	19132	68	19149	78
19116	80	19133	71	19150	75
19118	84	19134	71	19151	76
19119	78	19135	73	19152	79
19120	79	19136	76	19153	75
19121	69	19137	74	19154	78
19122	74	19138	73		
19123	75	19140	72		

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.

## FOR MORE INFORMATION

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