

# Richmond, Virginia Life Expectancy Methodology and Data Table

## Methods

Population data were calculated using an average of 2000 and 2010 data obtained from the U.S. Census Bureau. Death count data were obtained from the Division of Policy and Evaluation, Office of Family Health Services, Virginia Department of Health. The most recently available years of geocoded death data (2002 to 2011) were aggregated into 19 five-year age groups (see below) by decedent's residential census tract. 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 and population counts for age groups with zero deaths were replaced with the corresponding death and population counts for Richmond city. Population data and death counts for census tracts that split or combined in 2010 were allocated based on the population distribution. Census tracts with ten or more missing age categories, with greater than 40% population change and a population count of less than 5,000 in either 2000 or 2010, or with greater than 40% population in group quarters were excluded from the 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 Richmond area census tracts that were part of this project. The final life expectancy map was based on the values in this table:

Census Tract	Life Expectancy at Birth	Census Tract (cont'd)	Life Expectancy at Birth (cont'd)	Census Tract (cont'd)	Life Expectancy at Birth (cont'd)
102	74	212	71	505	Insufficient Data
103	72	301	63	506	80
104.01	76	302	67	602	67
104.02	77	305	Insufficient Data	604	69
105	70	402	Insufficient Data	605	73
106	70	403	Insufficient Data	606	83
107	70	404	76	607	66
108	70	405	79	608	68
109	66	406	75	609	70
110	71	407	77	610	71
111	73	408	77	701	80
201	64	409	76	703	74
202	64	410	80	704	80
203	67	411	73	706.01	73
204	71	412	Insufficient Data	706.02	74
205	Insufficient Data	413	72	707	72
206	74	414	71	708.1	73
207	67	416	73	708.2	74
208	73	501	79	709	73
209	70	502	78	710.01	72
210	67	503	81	710.02	74
211	68	504	80	711	79

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

☎ 804-628-2462  
 🖱 [societyhealth.vcu.edu](http://societyhealth.vcu.edu)  
 ✉ [societyhealth@vcu.edu](mailto:societyhealth@vcu.edu)