

**Title:** Public Health Statistics – Life expectancy by community area, Chicago: 1990, 2000, 2010

**Brief description:** This dataset gives the average life expectancy and corresponding confidence intervals for each Chicago community area for the years 1990, 2000 and 2010.

**Description:** Death data were derived from vital statistics files produced by the Illinois Department of Public Health (IDPH) for years 1989-1990, 1999-2000, 2009-2010. Two years' of data were combined to minimize the effects of extreme variations in annual mortality due to flu epidemics, heat waves, etc. Although death rates were produced for 1989- 1990, 1999-2000 and 2009-2010, we refer to these years as 1990, 2000 and 2010 for simplicity. Each record contains the Chicago community area assigned to the individual based on address of residence at time of death. Abridged life tables were constructed, and life expectancy was calculated utilizing the Chiang methodology. Age-specific death rates were calculated using 1990, 2000 and 2010 U.S. Census population data.

**Disclaimers:** IDPH specifically disclaims responsibility for any analysis, interpretations, or conclusions. The population counts used in the rate calculations are estimates, and this potential source of error should be taken into account when considering the precision of the indicators. Error can result from geocoding due to inaccurate or incomplete source data (e.g., the recording of a person's residential residence does not include "North" or "South") or discrepancies in the reference data used to match addresses to their associated geographies (e.g., a particular street segment is excluded or associated to corresponding geographies incorrectly). This potential source of error should be taken into account when considering the precision of community area measures. Methods and data sources may not be identical to those used in CDPH reports published prior to May 2014.

**Data owner:** Epidemiology & Public Health Informatics, Chicago Department of Public Health

**Time period:** 1990, 2000, 2010

**Frequency:** Data will be updated after next census year (2020)

**Related applications:** N/A