The intercensal estimates of population by age and sex are produced by OFM using a share method. A basic description of the share method is outlined below:

1. State level intercensal estimates by age and sex were developed by OFM using a cohort-component model based on vital statistics and migration estimates.
2. OFM’s state level age-sex estimates were then controlled to state and county estimates of total population from OFM’s April 1 intercensal data series¹.
3. County shares of the state population for each age-sex group were developed for census years using decennial census counts.
4. County shares of the state population for each age-sex group for intercensal years were estimated using a weighted age-sex distribution based on federal census counts and the elapsed time from the most recent bracketing censuses (Siegel & Swanson, 2004, p. 537).
5. For each year in the intercensal period, the resulting county age-sex population estimates were controlled to OFM’s independent state and county estimates of total population from OFM’s April 1 intercensal data series.

Notes:

1. This series uses adjusted federal census counts where applicable. The adjustments include:
   a. Controlling for annexations occurring between January 1 and April 1 in the decennial census years to account for boundary changes related to the timing of the federal census. City boundaries were fixed as of January 1 for data collection purposes whereas the actual census date is April 1.
   b. The substitution of state-certified special census counts in place of federal census counts.
   c. Federal corrections to census counts.

References: