

Conversion of Australian Bureau of Statistics (ABS) Population Projections to Enrolment Projections

The Australian Bureau of Statistics (ABS) have calculated projections of the population of Australian residents aged 18 years and over for each Census Collection District (CD) starting with a base at 30 June 2001 annually through to 30 June 2008. To allow baseline comparison with electoral roll counts, interpolation was used to derive 12 March 2003 population. The annual 31 July population projections were also calculated by interpolating between 30 June figures.

It has been assumed that electoral enrolments will grow by the same amount as the population of Australian residents 18+. The projections have been converted to enrolment projections as follows:

$$\begin{aligned} P_{2003} &= \text{ABS projection of residents 18+ at 12 March 2003} \\ P_{2007} &= \text{ABS projection of residents 18+ at 31 July 2007} \\ E_{2003} &= \text{Enrolled persons at 12 March 2003} \\ E_{2007} &= \text{Projected enrolled persons at 31 July 2007} \\ \\ E_{2007} &= E_{2003} + (P_{2007} - P_{2003}) \end{aligned}$$

For example, a Census Collection District's figures may be:

$$\begin{aligned} P_{2003} &= 271 \\ P_{2007} &= 298 \\ E_{2003} &= 211 \\ \\ E_{2007} &= 211 + (298-271) \\ &= 238 \end{aligned}$$