

Jersey household projections 2013 release

Overview

Household projections year by year to 2035 have been produced for Jersey based on population projections under four migration scenarios:

- Net nil (where inward migration equals outward migration)
- +350 (where 350 more people inwardly migrate than leave Jersey each year)
- +500 (where 500 more people inwardly migrate than leave Jersey each year)
- +700 (where 700 more people inwardly migrate than leave Jersey each year)

Changes in household structures seen across the 2001 and 2011 censuses are used to give projections of numbers of households by household type. The full methodology is given at the end of the report.

Results **Number of households by year under Net nil migration**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<i>Projected population living in private households (people)</i>	97,100	97,300	97,600	97,800	98,100	98,300	98,500	98,600	98,800	98,900	99,000	99,100

Number of households:

Single adult	12,810	13,040	13,250	13,480	13,680	13,890	14,110	14,340	14,550	14,780	15,010	15,230
Two adults	14,100	14,210	14,320	14,410	14,510	14,620	14,720	14,830	14,940	15,050	15,180	15,320
One adult & one child	850	860	860	870	870	870	880	890	890	900	900	900
Three or more adults	7,110	7,150	7,170	7,180	7,180	7,150	7,120	7,090	7,050	7,010	6,960	6,890
One adult & two or more children	530	530	520	520	510	510	510	510	500	500	500	490
Two adults & one or more children	6,840	6,760	6,700	6,640	6,560	6,510	6,460	6,410	6,360	6,310	6,260	6,190
All	42,250	42,550	42,830	43,100	43,310	43,560	43,800	44,060	44,310	44,550	44,810	45,020

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
<i>Projected population living in private households (people)</i>	99,200	99,300	99,300	99,300	99,400	99,400	99,400	99,300	99,300	99,200	99,100	99,000

Number of households:

Single adult	15,450	15,660	15,870	16,080	16,260	16,450	16,600	16,760	16,900	17,050	17,180	17,300
Two adults	15,460	15,590	15,710	15,810	15,950	16,030	16,110	16,180	16,220	16,270	16,300	16,330
One adult & one child	910	910	910	910	910	920	920	920	930	930	940	940
Three or more adults	6,840	6,780	6,720	6,670	6,610	6,540	6,480	6,410	6,360	6,300	6,250	6,200
One adult & two or more children	490	480	480	480	470	470	470	460	460	460	460	460
Two adults & one or more children	6,120	6,050	5,990	5,940	5,880	5,830	5,780	5,740	5,690	5,660	5,620	5,580
All	45,260	45,470	45,680	45,880	46,080	46,240	46,350	46,470	46,560	46,670	46,750	46,810

Results **Number of households by year under Net +350 migration**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<i>Projected population living in private households (people)</i>	97,100	97,700	98,300	98,900	99,500	100,100	100,700	101,200	101,800	102,300	102,800	103,300

Number of households:

Single adult	12,810	13,070	13,330	13,590	13,830	14,080	14,340	14,610	14,860	15,140	15,420	15,690
Two adults	14,100	14,250	14,400	14,530	14,670	14,810	14,960	15,110	15,260	15,410	15,580	15,760
One adult & one child	850	860	870	880	890	900	900	920	930	940	950	950
Three or more adults	7,110	7,170	7,210	7,240	7,250	7,250	7,240	7,230	7,220	7,200	7,170	7,130
One adult & two or more children	530	530	530	530	530	520	520	520	520	520	520	520
Two adults & one or more children	6,840	6,800	6,770	6,750	6,700	6,690	6,670	6,660	6,650	6,630	6,620	6,590
All	42,250	42,690	43,100	43,510	43,860	44,250	44,640	45,040	45,440	45,840	46,260	46,640

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
<i>Projected population living in private households (people)</i>	103,800	104,300	104,800	105,300	105,700	106,200	106,700	107,100	107,500	107,900	108,300	108,700

Number of households:

Single adult	15,960	16,220	16,490	16,760	17,010	17,250	17,470	17,700	17,910	18,130	18,330	18,530
Two adults	15,950	16,120	16,290	16,440	16,620	16,750	16,870	17,000	17,090	17,190	17,270	17,360
One adult & one child	960	970	980	980	990	1,000	1,010	1,020	1,030	1,040	1,060	1,070
Three or more adults	7,100	7,060	7,030	7,000	6,970	6,940	6,900	6,860	6,830	6,810	6,790	6,770
One adult & two or more children	520	520	520	510	510	510	510	510	510	510	520	520
Two adults & one or more children	6,560	6,520	6,500	6,480	6,460	6,450	6,430	6,420	6,410	6,410	6,410	6,400
All	47,040	47,420	47,800	48,180	48,560	48,900	49,200	49,510	49,790	50,090	50,370	50,640

Results Number of households by year under Net +500 migration

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<i>Projected population living in private households (people)</i>	97,100	97,800	98,600	99,400	100,100	100,900	101,600	102,300	103,100	103,800	104,400	105,100

Number of households:

Single adult	12,810	13,090	13,360	13,630	13,890	14,160	14,430	14,720	15,000	15,290	15,600	15,880
Two adults	14,100	14,270	14,440	14,580	14,740	14,900	15,060	15,230	15,400	15,560	15,760	15,950
One adult & one child	850	860	870	880	890	900	920	930	940	950	970	980
Three or more adults	7,110	7,180	7,220	7,260	7,290	7,290	7,290	7,290	7,290	7,280	7,260	7,230
One adult & two or more children	530	530	530	530	530	530	530	530	530	530	530	530
Two adults & one or more children	6,840	6,810	6,800	6,790	6,760	6,760	6,760	6,770	6,770	6,770	6,770	6,760
All	42,250	42,740	43,220	43,680	44,100	44,550	44,990	45,460	45,930	46,400	46,880	47,330

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
<i>Projected population living in private households (people)</i>	105,800	106,500	107,200	107,800	108,500	109,100	109,800	110,400	111,000	111,600	112,200	112,800

Number of households:

Single adult	16,180	16,460	16,760	17,050	17,320	17,590	17,850	18,100	18,340	18,590	18,820	19,060
Two adults	16,160	16,350	16,540	16,710	16,910	17,060	17,200	17,350	17,460	17,580	17,690	17,800
One adult & one child	990	990	1,010	1,020	1,030	1,040	1,050	1,060	1,080	1,090	1,110	1,120
Three or more adults	7,210	7,190	7,160	7,150	7,120	7,100	7,080	7,050	7,040	7,030	7,020	7,010
One adult & two or more children	530	530	530	530	530	530	530	530	540	540	540	540
Two adults & one or more children	6,740	6,720	6,720	6,720	6,710	6,710	6,700	6,710	6,720	6,730	6,740	6,750
All	47,800	48,250	48,710	49,170	49,620	50,040	50,420	50,810	51,170	51,560	51,920	52,280

Results Number of households by year under Net +700 migration

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<i>Projected population living in private households (people)</i>	97,100	98,000	99,000	100,000	100,900	101,900	102,900	103,800	104,800	105,700	106,600	107,500

Number of households:

Single adult	12,810	13,110	13,400	13,690	13,970	14,260	14,560	14,870	15,180	15,500	15,830	16,150
Two adults	14,100	14,290	14,480	14,650	14,830	15,010	15,200	15,380	15,580	15,770	15,990	16,210
One adult & one child	850	860	880	890	900	920	930	950	960	980	990	1,000
Three or more adults	7,110	7,190	7,250	7,290	7,330	7,350	7,360	7,370	7,380	7,390	7,380	7,360
One adult & two or more children	530	530	540	540	540	540	540	540	540	550	550	550
Two adults & one or more children	6,840	6,830	6,840	6,850	6,840	6,860	6,880	6,910	6,930	6,960	6,980	6,980
All	42,250	42,820	43,370	43,910	44,410	44,940	45,470	46,020	46,580	47,130	47,710	48,250

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
<i>Projected population living in private households (people)</i>	108,500	109,400	110,300	111,200	112,100	113,000	113,900	114,800	115,700	116,600	117,400	118,300

Number of households:

Single adult	16,470	16,790	17,110	17,440	17,750	18,050	18,340	18,630	18,910	19,200	19,480	19,760
Two adults	16,440	16,660	16,870	17,060	17,290	17,470	17,640	17,810	17,960	18,110	18,240	18,390
One adult & one child	1,020	1,030	1,040	1,060	1,070	1,090	1,100	1,120	1,140	1,160	1,170	1,190
Three or more adults	7,350	7,350	7,340	7,340	7,330	7,330	7,320	7,310	7,310	7,320	7,330	7,340
One adult & two or more children	550	550	550	550	560	560	560	560	570	570	570	580
Two adults & one or more children	6,990	6,990	7,010	7,030	7,040	7,060	7,080	7,110	7,130	7,160	7,190	7,220
All	48,820	49,370	49,930	50,480	51,040	51,560	52,050	52,540	53,010	53,520	53,990	54,470

Methodology

Data from censuses in 2001 and 2011 was analysed to identify the proportion of each of six age and two gender groups who were heads of household¹ for each of 6 household types (the 'headship rate'). Behaviour in headship rates across the 10 years were projected forwards using the following two-point exponential model:

$$y_i = k + ab^{x_i}$$

where i = the year, from 2012 to 2035

y_i = headship rate in year i

$k = 1$ if $y_{2011} \geq y_{2001}$; 0 if $y_{2011} < y_{2001}$

$a = y_{2001} - k$

$b = (y_{2011} - k) / (y_{2001} - k)$

$x_i = (i - 2001) / (2011 - 2001)$

Projected headship (and non-headship) rates were constrained to sum to 1 within each age group.

Age groups used in analysis:

0 – 15 years

16 – 29 years

30 – 44 years

45 – 59 years

60 – 74 years

75+ years

Households in each of the censuses were categorised according to the number of adults (aged 16 years or over) and the number of children (aged 15 years or under) living as a household².

The household projections were then calculated by applying these projected headship rates to the projected population living in private households to give an estimate of the number of heads of household (and thereby number of households) in each of the projection years for each household type, age group and gender.

The projected population living in private households is determined from the full projected population (2013 release³) adjusted for the projected number of people living in communal establishments. This is assumed to remain a constant number for the under 75 years, and a constant proportion of the 75 years and over population.

This household projection method assumes that changes in household formation seen from 2001 and 2011 will continue, which may not necessarily be the case. However, the methodology provides a more detailed picture of future household numbers by household size than simply projecting the change in average household size and applying this to the population projections.

¹ Two definitions of 'head of household' were used in the analysis: 'eldest male' where the eldest male aged 18 or over in the household was chosen, or eldest female in all-female households; and 'first on form' where the person who filled in the census form for the household was chosen. Choice of definition of head of household did not make a material difference to the results of the household projections which are based on 'first on form' definition.

² A household in the 2011 census was defined as one person or a group of people sharing cooking facilities and a living space. A household in the 2001 census was defined as one person or a group of people sharing cooking facilities or living space. The slight definitional change was introduced to better reflect ways of living, but would not have affected many households and therefore is not likely to have made a material difference to the projections.

³ 'Jersey Population Projection report 2013' at www.gov.je/statistics