



Auckland Region Population in 2048

Working Paper 2

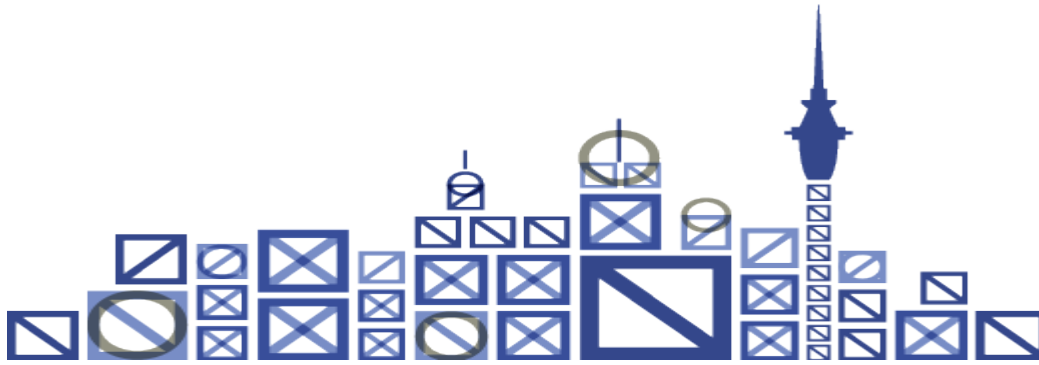
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(1) Introduction and Overall

Statistics NZ released its updated Subnational Population Projections for the period 2013(base)–2043 in mid-February. For website see: http://www.stats.govt.nz/browse_for_stats/population/estimates_and_projections/SubnationalPopulationProjections_HOTP2013base.aspx. This is a summary of their Auckland figures.

Statistics NZ notes that at the time of release, it considers the medium projection suitable for assessing future population changes. Low and High projections are also available. The medium series is consistent with the median projection (50th percentile) of the [National Population Projections: 2014\(base\)–2068](#) (released November 2014). However, users can

make their own judgement as to which projections are most suitable for their purposes.



Statistics NZ points out that these projections are not predictions and should be used as an indication of the overall trend, rather than as exact forecasts. The projections are updated every 2–3 years to maintain their relevance and usefulness, by incorporating new information about demographic trends and developments in methods.

Key points about the projections (for New Zealand as a whole) include:

- Slowing population growth
- 3 in 4 people living in the North Island
- Population growth in all regions
- Auckland's population 2 million in 2033
- Narrowing gap between births and deaths
- Deaths exceeding births in more areas
- Ageing population with More older people in all areas
- Fewer children in most areas

(2) Auckland's population: Statistics NZ account is as follows-

The Auckland region is projected to account for three-fifths of New Zealand's population growth between 2013 and 2043, with an increase of 740,000 from just under 1.5 million to 2.2 million (medium projection). Auckland's population is estimated to have surpassed 1.5 million in the year ended June 2014, and is projected to reach 2 million around 2033. In 2028, Auckland would be home to 37 percent of New Zealand's population, compared with 34 percent in 2013. By 2043, the population of Auckland could make up 40 percent of New Zealand's population.

Natural increase is projected to account for three-fifths of Auckland's growth, and net migration (arrivals less departures) for the remaining two-fifths. Auckland's overall fertility rate (2.1 births per woman) in 2009–13 was similar to the national average but Auckland also has a higher proportion of people in the main childbearing ages (15–44 years). As a result, Auckland has a higher birth rate and lower death rate than most other regions.

Net migration does make a significant contribution to Auckland's population growth. New immigrants and New Zealanders returning from overseas add directly to Auckland's population. The medium projection assumes average net migration of 16,000 a year during 2014–18, and 8,000 a year thereafter. As most of these migrants are aged 15–39 years, they may also contribute births to Auckland's population growth.

(3) Key Information from Local Board Projections

(3.1) Medium high and low projections for 2048)

Unit	2013	2048	hi: 2048	lo: 2048	percent
Rodney local board area	57,300	99,300	114700	83800	1.90
Hibiscus and Bays local board area	94,000	146,600	169000	124100	1.50
Upper Harbour local board area	56,800	109,600	124100	87600	2.20
Kaipatiki local board area	87,000	106,300	123500	88900	.70
Devonport-Takapuna local board area	58,500	76,500	87800	65000	.90
Henderson-Massey local board area	113,500	177,100	196900	156500	1.50
Waitakere Ranges local board area	50,700	62,800	71800	53600	.70
Great Barrier local board area	950	1,010	1230	790	.20
Waiheke local board area	8,630	11,800	13400	10250	1.10
Waitemata local board area	81,300	151,800	178100	124800	2.10
Whau local board area	76,700	118,500	135700	100900	1.50
Albert-Eden local board area	100,000	137,300	151900	122000	1.10
Puketapapa local board area	56,300	80,800	92800	68500	1.20
Orakei local board area	83,700	118,500	133400	103200	1.20
Maungakiekie-Tamaki local board area	73,700	119,400	137600	100800	1.60
Howick local board area	135,000	192,500	223200	161400	1.20
Mangere-Otahuhu local board area	75,300	106,400	126100	86400	1.20
Otara-Papatoetoe local board area	80,300	109,100	128000	89900	1.00
Manurewa local board area	87,000	97,500	116900	78000	.40
Papakura local board area	48,200	81,300	94700	67700	1.80
Franklin local board area	68,300	125,200	148500	101800	2.00
Auckland region	1,493,200	2,229,300	2432800	2028300	1.30

(3.2) Medium Projections 2013-2043

Unit	2013	2018	2023	2028	2038	2043
Rodney local board area	57,300	64,800	71,700	78,900	85,900	92,800
Hibiscus and Bays local board area	94,000	104,900	113,300	122,000	130,600	138,800
Upper Harbour local board area	56,800	67,400	76,000	84,800	93,400	101,600
Kaipatiki local board area	87,000	91,900	95,200	98,300	101,000	103,700
Devonport-Takapuna local board area	58,500	63,200	66,100	69,000	71,800	74,300
Henderson-Massey local board area	113,500	124,800	135,300	146,000	156,600	166,900
Waitakere Ranges local board area	50,700	54,300	56,300	58,400	60,300	61,700
Great Barrier local board area	950	970	980	980	990	1,000
Waiheke local board area	8,630	9,160	9,740	10,350	10,900	11,350
Waitemata local board area	81,300	95,400	106,900	118,700	130,200	141,200
Whau local board area	76,700	84,900	91,600	98,500	105,400	112,000
Albert-Eden local board area	100,000	108,700	114,700	121,000	127,000	132,500
Puketapapa local board area	56,300	61,900	66,100	70,200	74,100	77,600
Orakei local board area	83,700	92,600	98,000	103,600	109,100	114,100
Maungakiekie-Tamaki local board area	73,700	81,700	89,300	97,100	104,700	112,100
Howick local board area	135,000	147,500	157,400	167,200	176,400	184,800
Mangere-Otahuhu local board area	75,300	81,700	86,700	92,100	97,300	102,000
Otara-Papatoetoe local board area	80,300	86,500	91,200	96,100	100,700	105,000
Manurewa local board area	87,000	91,800	93,900	95,800	97,100	97,600
Papakura local board area	48,200	54,100	59,300	64,700	70,200	75,700

Franklin local board area	68,300	78,200	87,600	97,200	106,800	116,200
Auckland region	1,493,200	1,646,500	1,767,500	1,890,900	2,010,500	2,123,000

(3.3) Births, Deaths, Natural Increase and Net Migration 2013/2014

Unit	Births	Deaths	NatInc	Net Migration
Rodney local board area	3200	4900	1800	2,700
Hibiscus and Bays local board area	4800	6900	2000	4,700
Upper Harbour local board area	3200	5200	2000	5,900
Kaipatiki local board area	7000	7100	3000	4100
Devonport-Takapuna local board area	3400	3700	1700	600
Henderson-Massey local board area	10600	12700	7700	7200
Waitakere Ranges local board area	3900	4000	2000	2100
Great Barrier local board area	40	60	20	50
Waiheke local board area	490	550	280	120
Waitemata local board area	4100	5200	3000	2600
Whau local board area	6500	7600	4300	4500
Albert-Eden local board area	6500	7100	3900	3300
Puketapapa local board area	4000	4400	2400	2000
Orakei local board area	4800	5700	4300	2100
Maungakiekie-Tamaki local board area	7600	8900	5400	5200
Howick local board area	8000	9200	5400	3700
Mangere-Otahuhu local board area	8700	9600	6700	6400
Otara-Papatoetoe local board area	8600	8800	2700	6100
Manurewa local board area	9500	8400	3500	7200
Papakura local board area	4500	6200	3000	3600
Franklin local board area	4300	6700	2700	2500
Auckland region	113700	133000	76200	66300

(3.4) Age-Structures 2013/2014

Unit	0-14	15-39	40-64	65+
Rodney local board area	20.77	25.65	37.87	15.71
Hibiscus and Bays local board area	18.83	28.19	35.53	17.45
Upper Harbour local board area	19.37	35.92	34.33	10.39
Kaipatiki local board area	19.31	38.39	30.80	11.38
Devonport-Takapuna local board area	18.29	32.65	34.19	15.04
Henderson-Massey local board area	23.17	36.65	29.78	10.40
Waitakere Ranges local board area	22.68	32.74	35.31	9.47
Great Barrier local board area	16.84	15.79	45.26	22.11
Waiheke local board area	17.50	24.22	39.86	18.42
Waitemata local board area	10.46	56.58	26.45	6.64
Whau local board area	19.95	37.55	30.25	12.26
Albert-Eden local board area	18.60	40.50	31.80	9.10
Puketapapa local board area	18.83	38.72	31.08	11.37
Orakei local board area	19.00	31.18	35.13	14.70
Maungakiekie-Tamaki local board area	21.85	39.08	28.90	10.18
Howick local board area	19.48	33.93	34.22	12.44
Mangere-Otahuhu local board area	28.29	37.05	26.69	7.97
Otara-Papatoetoe local board area	25.90	38.98	26.53	8.47
Manurewa local board area	27.01	36.78	27.93	8.28
Papakura local board area	24.48	34.65	29.46	11.20
Franklin local board area	22.25	27.96	36.31	13.62
Auckland region	20.86	36.12	31.64	11.37

(3.5) Average Ages and Population Shares (2013/2014)

Unit	AvAge 2013	AvAge 2014	2013 share	2014 share	percent change
Rodney local board area	42.20	44.30	3.84	4.45	1.90
Hibiscus and Bays local board area	41.90	44.10	6.30	6.58	1.50
Upper Harbour local board area	35.80	42.20	3.80	4.92	2.20
Kaipatiki local board area	35.00	37.30	5.83	4.77	.70
Devonport-Takapuna local board area	39.20	42.80	3.92	3.43	.90
Henderson-Massey local board area	33.20	37.90	7.60	7.94	1.50

Waitakere Ranges local board area	36.40	40.90	3.40	2.82	.70
Great Barrier local board area	52.60	47.30	.06	.05	.20
Waiheke local board area	45.10	48.80	.58	.53	1.10
Waitemata local board area	30.70	40.10	5.44	6.81	2.10
Whau local board area	34.60	39.60	5.14	5.32	1.50
Albert-Eden local board area	34.00	40.50	6.70	6.16	1.10
Puketapapa local board area	34.10	41.90	3.77	3.62	1.20
Orakei local board area	39.90	44.10	5.61	5.32	1.20
Maungakiekie-Tamaki local board area	33.30	38.90	4.94	5.36	1.60
Howick local board area	37.30	43.80	9.04	8.63	1.20
Mangere-Otahuhu local board area	28.10	34.60	5.04	4.77	1.20
Otara-Papatoetoe local board area	29.10	36.00	5.38	4.89	1.00
Manurewa local board area	29.50	36.00	5.83	4.37	.40
Papakura local board area	32.60	36.00	3.23	3.65	1.80
Franklin local board area	39.80	43.30	4.57	5.62	2.00
Auckland region	34.80	40.50	100.00	100.00	1.30

(3.6) Zone Shares

Zone	p13share	p48share
North	23.68	24.15
West	16.13	16.08
Central	22.16	22.48
South	38.03	37.29
Total	100.00	100.00

Appendix: Assumptions (Auckland Region as a whole)

Processes	Year	Value
Period total fertility rate	2018	1.88
Period total fertility rate	2023	1.86
Period total fertility rate	2028	1.85
Period total fertility rate	2033	1.84
Period total fertility rate	2038	1.84
Period total fertility rate	2043	1.84
Period life expectancy at birth - male	2018	81.30
Period life expectancy at birth - male	2023	82.40
Period life expectancy at birth - male	2028	83.40
Period life expectancy at birth - male	2033	84.30
Period life expectancy at birth - male	2038	85.20
Period life expectancy at birth - male	2043	86.10
Period life expectancy at birth - female	2018	85.00
Period life expectancy at birth - female	2023	86.00
Period life expectancy at birth - female	2028	86.90
Period life expectancy at birth - female	2033	87.80
Period life expectancy at birth - female	2038	88.50
Period life expectancy at birth - female	2043	89.30
Net migration	2018	80000.00
Net migration	2023	40000.00
Net migration	2028	40000.00
Net migration	2033	40000.00
Net migration	2038	40000.00
Net migration	2043	40000.00

