

MINISTRY OF FINANCE AND ECONOMIC MANAGEMENT
GOVERNMENT OF THE COOK ISLANDS
COOK ISLANDS
STATISTICAL BULLETIN

VITAL STATISTICS AND POPULATION ESTIMATES
DECEMBER QUARTER 2016

Population Estimates

Cook Islands Total Population estimate for December quarter 2016 was 17,400 showing a decrease of 3.3% when compared to June quarter 2016. Resident population is currently estimated at 14,800 for September 2016 quarter. This is 23.3 per cent (2,800 people) more when compared to September quarter 2016.

Births

Total births recorded for this quarter was 59, a slight decrease of 3.3% (2 births) when compared to previous quarter (61 births). This averages to 5 births per week. The number of births to women aged 30-34 (16 births) showed the highest for September quarter 2016, followed by women aged 20-24 (12 births).

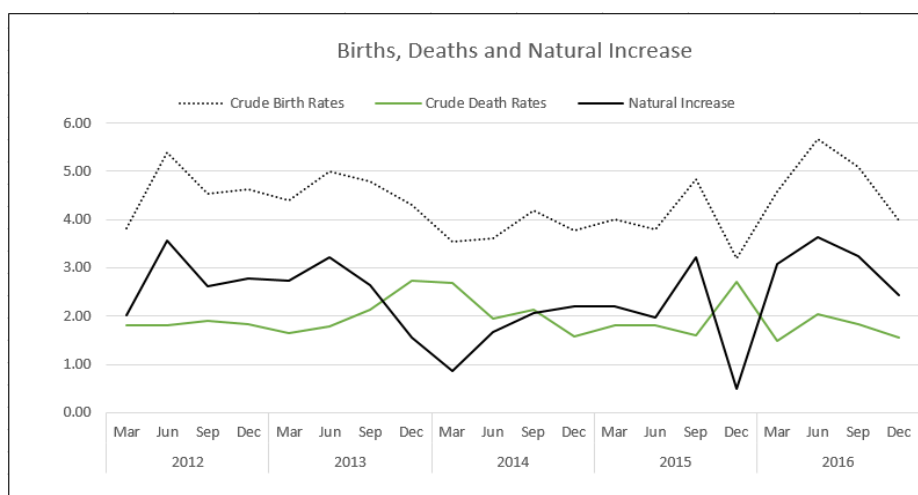
The quarterly crude birth rate (number of births per 1000 population) stood at 4.0, giving an average of 4 children born to every thousand population.

Deaths

Total number of deaths recorded for December quarter 2016 was 23 an average of two deaths per week, showing an increase of 4.5% (1 death) when compared to September quarter 2016 (23 deaths). The crude death rate stood at 1.6, this means two death to every thousand population. There were no infant death registered for this quarter.

Marriages

Total marriages officiated for this quarter was 194 showing an increase of 14.9% (34 marriages) when compared to September quarter 2016 (228 marriages).



Further information about this release can be obtained from the Statistics Office.

Taggy Tangimetua
Government Statistician
January 2017

Explanatory Notes

Introduction

The Population and Vital Statistics reports on the total and resident population estimate base on vital events of birth and deaths plus net migration data derived from tourism migration data. It also reports on the various vital events such as births, deaths and marriages that occurred within the Cook Islands. Some basic demographic crude rates such as for birth, death and infants deaths including natural increase are also reported in this release.

Computation of Crude Rates

Crude rates of birth, death and infant deaths are also compiled from these events.

The formula used in computing these rates are as follows:

$$\text{Crude Birth Rate} = \text{Total Births/Total Resident Population} * 1,000$$

$$\text{Crude Death Rate} = \text{Total Deaths/Total Resident Population} * 1,000$$

$$\text{Infant Mortality Rates} = \text{Total Infant Deaths/Total Births} * 1,000$$

$$\text{Natural Increase} = \text{Total Crude Birth Rate} \text{ less Crude Death Rate}$$

Data Source

The records of births, deaths and marriages are compiled from the records of the Births, Deaths and Marriages Registrar of the Ministry of Justice. For the islands outside of Rarotonga, the Deputy Registrars of each island furnish these records directly to the Cook Islands Statistics Office.

Coverage

All records are compiled for each inhabited island of the Cook Islands and are tabulated by the date of occurrence of the event. Often these records are reconciled with the Ministry of Health (MOH) records to ascertain the compilation of one indicator for the Cook Islands.

Table 1 Population Estimates

Period	Total Population Estimate	Resident Population Estimate ⁽⁴⁾	Total Births	Crude Birth Rate ⁽²⁾	Total Deaths	Crude Deaths Rate ⁽²⁾	Rates of Natural Increase	Infant Deaths	Infant Mortality Rate ⁽³⁾	
JUNE YEAR ⁽¹⁾										
2012 ^(p)	19,500	14,300	259	18.1	104	7.3	10.8	1	3.9	
2013 ^(p)	18,400	14,000	256	18.3	115	8.2	10.1	-	-	
2014 ^(p)	18,400	13,800	204	14.8	113	8.2	6.6	-	-	
2015 ^(p)	18,400	13,200	205	15.5	102	7.7	7.8	-	-	
2016 ^(p)	19,300	11,800	242	20.5	87	7.4	13.1	-	-	
QUARTER										
2012	Mar	17,800	14,400	55	3.8	26	1.8	2.0	1	18.2
	Jun	19,500	14,300	77	5.4	26	1.8	3.6	-	-
	Sep	18,600	14,100	64	4.5	27	1.9	2.6	-	-
	Dec	20,000	13,600	63	4.6	25	1.8	2.8	-	-
2013	Mar	17,200	13,900	61	4.4	23	1.7	2.7	-	-
	Jun	18,500	14,000	70	5.0	25	1.8	3.2	-	-
	Sep ^(p)	18,400	14,000	67	4.8	30	2.1	2.6	-	-
	Dec ^(p)	20,000	13,500	58	4.3	37	2.7	1.6	-	-
2014	Mar ^(p)	17,300	13,800	49	3.6	37	2.7	0.9	-	-
	Jun ^(p)	18,400	13,800	50	3.6	27	2.0	1.7	-	-
	Sep ^(p)	18,400	13,600	57	4.2	29	2.1	2.1	-	-
	Dec ^(p)	19,700	12,700	48	3.8	20	1.6	2.2	-	-
2015	Mar ^(p)	17,000	13,200	53	4.0	24	1.8	2.2	-	-
	Jun ^(p)	18,400	13,200	50	3.8	24	1.8	2.0	-	-
	Sep ^(p)	18,800	13,000	63	4.8	21	1.6	3.2	-	-
	Dec ^(p)	20,500	12,200	39	3.2	33	2.7	0.5	-	-
2016	Mar ^(p)	17,800	12,000	55	4.6	18	1.5	3.1	-	-
	Jun ^(p)	19,300	11,800	67	5.7	24	2.0	3.6	-	-
	Sep ^(p)	18,000	12,000	61	5.1	22	1.8	3.3	-	-
	Dec ^(p)	17,400	14,800	59	4.0	23	1.6	2.4	-	-

Note : ⁽¹⁾ Mid year population estimated at June Quarter

⁽²⁾ Crude birth rate and crude death rate are calculated per thousand Resident Population as of 1992

⁽³⁾ Infant mortality rate is calculated per thousand births

⁽⁴⁾ Resident population comprises only those usually resident in the Cook Islands

Table 2 Vital Events - Births, Deaths and Marriages

Period	Live births			Deaths			Infant Deaths	Marriages			
	Males	Females	Total	Males	Females	Total		Resident	Non-Resident	Total	
YEAR											
2012	141	118	259	65	39	104	1	64	830	894	
2013	128	128	256	69	46	115	-	63	780	843	
2014	104	100	204	79	34	113	-	57	689	746	
2015 ^(r)	102	103	205	51	51	102	-	70	650	720	
2016 ^(p)	127	115	242	57	30	87	-	57	650	707	
QUARTER											
2012	Mar	31	24	55	14	12	26	1	19	137	156
	Jun	43	34	77	18	8	26	-	17	228	245
	Sep	32	32	64	20	7	27	-	7	254	261
	Dec	35	28	63	13	12	25	-	21	211	232
2013	Mar	35	26	61	12	11	23	-	11	140	151
	Jun	31	39	70	16	9	25	-	9	223	232
	Sep	33	34	67	20	10	30	-	17	220	237
	Dec	29	29	58	21	16	37	-	26	197	223
2014	Mar	22	27	49	26	11	37	-	15	109	124
	Jun	28	22	50	19	8	27	-	12	177	189
	Sep	31	26	57	22	7	29	-	7	217	224
	Dec	23	25	48	12	8	20	-	23	186	209
2015	Mar ^(r)	20	33	53	9	15	24	-	13	103	116
	Jun ^(r)	26	24	50	10	14	24	-	12	199	211
	Sep ^(r)	32	31	63	12	9	21	-	8	176	184
	Dec ^(r)	24	15	39	20	13	33	-	37	172	209
2016	Mar ^(p)	26	29	55	13	5	18	-	15	92	107
	Jun ^(p)	35	32	67	15	9	24	-	15	163	178
	Sep ^(p)	33	28	61	13	9	22	-	10	218	228
	Dec ^(p)	33	26	59	16	7	23	-	17	177	194

Table 3 Mothers Age at Birth of Child

Period	Age Group								
	Total	<20	20-24	25-29	30-34	35-39	40-44	45>	
YEAR									
2012	259	26	70	59	54	33	16	1	
2013	256	34	80	56	38	35	12	1	
2014	204	24	54	47	42	24	12	1	
2015 ^(r)	205	24	63	47	38	21	12	-	
2016 ^(p)	219	21	55	48	56	27	10	2	
QUARTER									
2012	Mar	55	7	15	11	13	7	2	-
	Jun	77	7	20	22	12	12	4	-
	Sep	64	3	23	14	17	6	1	-
	Dec	63	9	13	12	12	8	9	-
2013	Mar	61	6	20	12	11	10	2	-
	Jun	70	4	23	18	9	11	5	-
	Sep	67	11	19	12	13	9	3	-
	Dec	58	13	18	14	5	5	2	1
2014	Mar	49	5	16	10	9	7	2	-
	Jun	50	7	9	12	12	7	3	-
	Sep	57	5	15	16	12	4	5	-
	Dec	48	7	14	9	9	6	2	1
2015	Mar ^(r)	53	7	19	11	7	7	2	-
	Jun ^(r)	50	6	14	9	12	6	3	-
	Sep ^(r)	63	7	14	18	12	7	5	-
	Dec ^(r)	39	4	16	9	7	1	2	-
2016	Mar ^(p)	47	7	15	12	6	6	1	-
	Jun ^(p)	60	6	15	17	18	4	-	-
	Sep ^(p)	54	4	13	11	16	6	3	1
	Dec ^(p)	58	4	12	8	16	11	6	1