

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

VITAL STATISTICS AND POPULATION ESTIMATES
SEPTEMBER QUARTER 2016

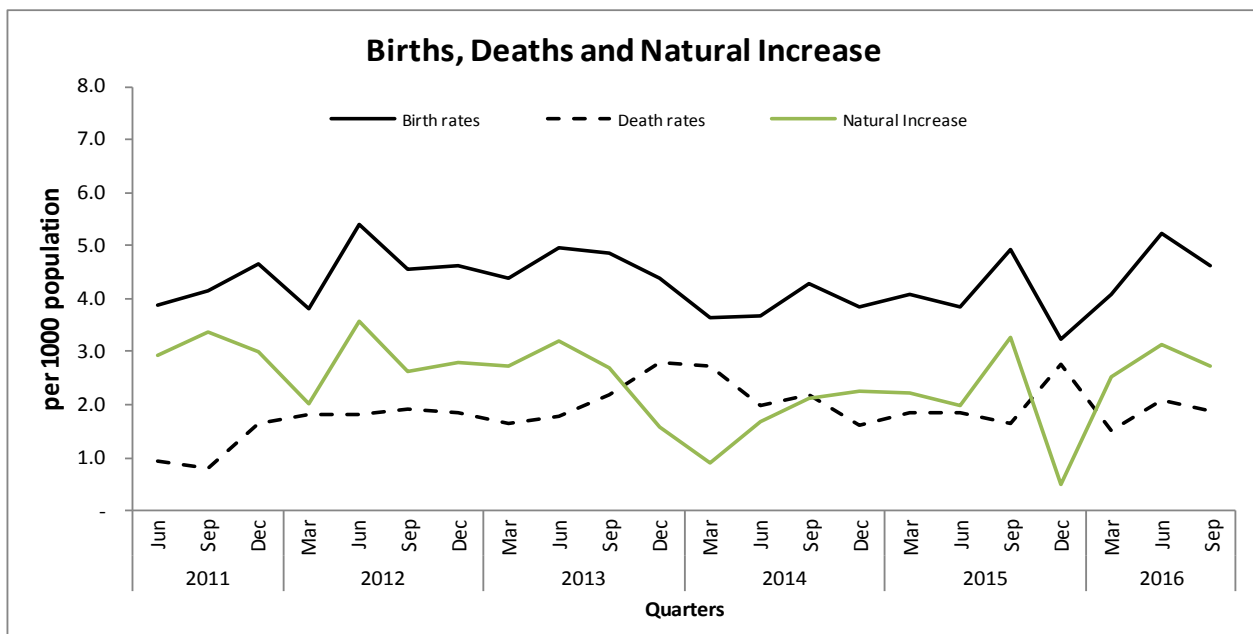
Population estimates

Cook Islands resident population for September quarter 2016 was estimated at around 11,700 an increase of 1.7 per cent over June quarter 2016 and decreased by 8.6 per cent when compared to same quarter of previous year.

Total population which includes short term visitors was estimated to be around 19,400 for the September quarter 2016, decreasing by 0.5 per cent when compared to June quarter 2016.

Births and Deaths

54 live births and 22 deaths were registered in the Cook Islands during this quarter, resulting in a natural increase (live births minus deaths) of 32 or 2.7 per thousand resident populations. The number of births to women aged 30-34 (16 births) showed the highest for September quarter 2016, followed by women aged 20-24 (13 births). There were less 6 births and less 2 deaths during this quarter compared to previous quarter. Deaths during this quarter were mostly males over the age of 70 years.



Marriages

The number of marriages officiated in the Cook Islands for the September quarter 2016 was 228 (averaging to 19 marriages per week). This is a 28.1 per cent increase when compared to the June quarter 2016 (178 marriages). 96 per cent of these marriages were non-residents and 4 per cent were Cook Island residents.

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

Taggy Tangimetua
Government Statistician
August 2016

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:

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

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

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

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

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 ⁽⁵⁾	Infant Deaths	Infant Mortality Rate ⁽³⁾	
JUNE YEAR ⁽¹⁾										
2011	19,300	14,700	262	17.8	72	4.9	12.9	2	7.6	
2012	19,500	14,300	259	18.1	104	7.3	10.8	1	3.9	
2013 ^(b)	18,600	14,100	256	18.2	115	8.2	10.0	-	-	
2014 ^(b)	18,600	13,600	204	15.0	113	8.3	6.7	-	-	
2015 ^(b)	18,700	13,000	205	15.6	102	7.8	7.9	-	-	
QUARTER										
2011	Mar	20,300	14,500	78	5.4	23	1.6	3.8	-	-
	Jun	19,300	14,700	57	3.9	14	1.0	2.9	1	17.5
	Sep	17,800	14,900	62	4.2	12	0.8	3.4	-	-
	Dec	19,400	14,000	65	4.6	23	1.6	3.0	1	15.4
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	20,200	13,600	63	4.6	25	1.8	2.8	-	-
2013	Mar	17,300	13,900	61	4.4	23	1.7	2.7	-	-
	Jun	18,600	14,100	70	5.0	25	1.8	3.2	-	-
	Sep ^(b)	18,600	13,800	67	4.9	30	2.2	2.7	-	-
	Dec ^(b)	20,200	13,200	58	4.4	37	2.8	1.6	-	-
2014	Mar ^(b)	17,500	13,500	49	3.6	37	2.7	0.9	-	-
	Jun ^(b)	18,600	13,600	50	3.7	27	2.0	1.7	-	-
	Sep ^(b)	18,600	13,300	57	4.3	29	2.2	2.1	-	-
	Dec ^(b)	20,000	12,500	48	3.8	20	1.6	2.2	-	-
2015	Mar ^(b)	17,300	13,000	53	4.1	24	1.8	2.2	-	-
	Jun ^(b)	18,700	13,000	50	3.8	24	1.8	2.0	-	-
	Sep ^(b)	19,100	12,800	63	4.9	21	1.6	3.3	-	-
	Dec ^(b)	20,800	12,000	39	3.3	33	2.8	0.5	-	-
2016	Mar ^(b)	18,100	11,800	48	4.0	18	1.5	2.5	-	-
	Jun ^(b)	19,500	11,500	60	5.2	24	2.1	3.1	-	-
	Sep ^(b)	19,400	11,700	54	4.6	22	1.9	2.7	-	-

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 normally resident in the Cook Islands Birth, death and migration were sources used to estimate the population. Prior to 1992, migration data was not disaggregated

^(b) Excess of live births over deaths

Table 2 Vital Events - Births, Deaths and Marriages

Period	Live births			Deaths			Infant	Marriages			
	Males	Females	Total	Males	Females	Total	Deaths	Resident	Non-resident	Total	
YEAR											
2011	139	123	262	40	32	72	2	85	833	918	
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	
QUARTER											
2011	Mar	43	35	78	11	12	23	-	21	132	153
	Jun	26	31	57	10	4	14	1	11	224	235
	Sep	35	27	62	6	6	12	-	21	264	285
	Dec	35	30	65	13	10	23	1	32	213	245
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	20	33	53	9	15	24	-	13	103	116
	Jun	26	24	50	10	14	24	-	12	199	211
	Sep	32	31	63	12	9	21	-	8	176	184
	Dec ^(r)	24	15	39	20	13	33	-	37	172	209
2016	Mar ^(p)	21	27	48	13	5	18	-	15	92	107
	Jun ^(p)	31	29	60	15	9	24	-	15	163	178
	Sep ^(p)	29	25	54	13	9	22	-	10	218	228

Table 3 Mothers Age at Birth of Child

Period		Age Group								
		Total	<20	20-24	25-29	30-34	35-39	40-44	45>	Not Stated
YEAR										
	2011	262	27	69	64	47	33	20	2	-
	2012	259	26	70	59	54	33	16	1	-
	2013	257	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	-	-
QUARTER										
2011	Mar	78	9	17	23	11	10	7	1	-
	Jun	57	4	21	15	7	7	2	1	-
	Sep	62	5	16	15	16	8	2	-	-
	Dec	65	9	15	11	13	8	9	-	-
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	68	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	53	7	19	11	7	7	2	-	-
	Jun	50	6	14	9	12	6	3	-	-
	Sep	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	-