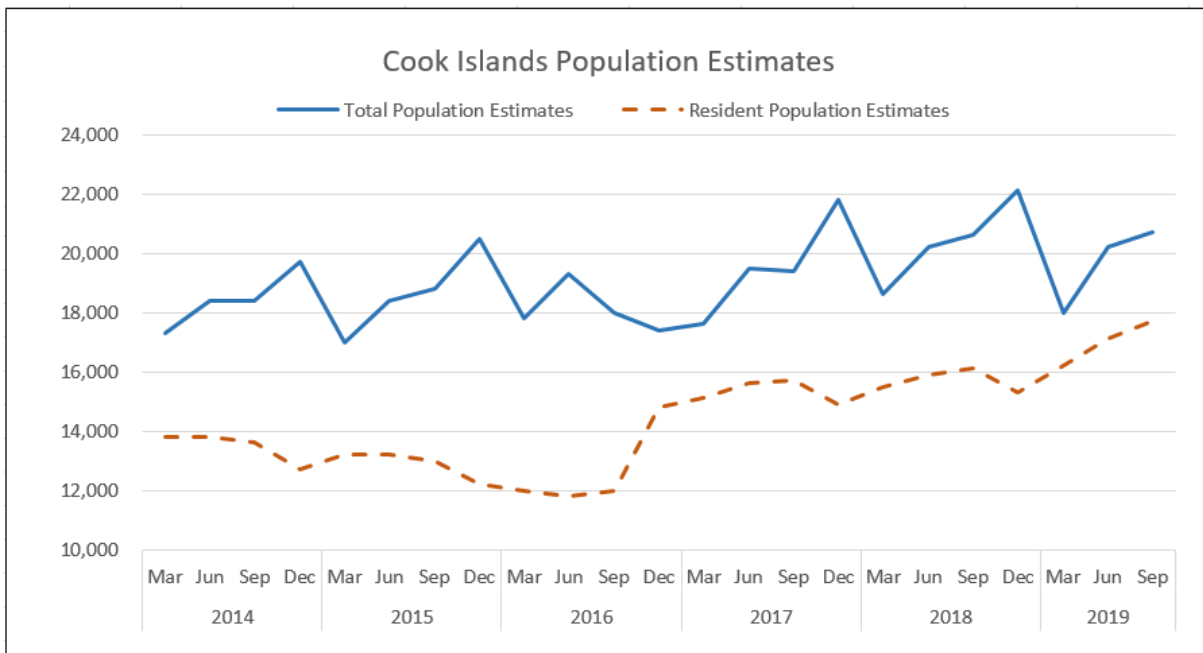


**MINISTRY OF FINANCE AND ECONOMIC MANAGEMENT**  
**GOVERNMENT OF THE COOK ISLANDS**  
**COOK ISLANDS**  
**STATISTICAL BULLETIN**

**VITAL STATISTICS AND POPULATION ESTIMATES**  
**SEPTEMBER QUARTER 2019**

**Population Estimates**

Cook Islands Population was estimated at 20,700 for September Quarter 2019, increasing by 2.5 percent over June quarter 2019 (20,200). Resident population estimate stood at 17,700, a 3.5 increase when compared to previous quarter.



**Births**

Registered births totaled to 64 for September quarter 2019, decreasing by 1.5 percent over the June quarter 2019 (65 births). This is an average of five births per week. The number of births to women aged 25-20 (22 births) showed the highest for September quarter 2019, followed by women aged 20-29 (17 births).

**Deaths**

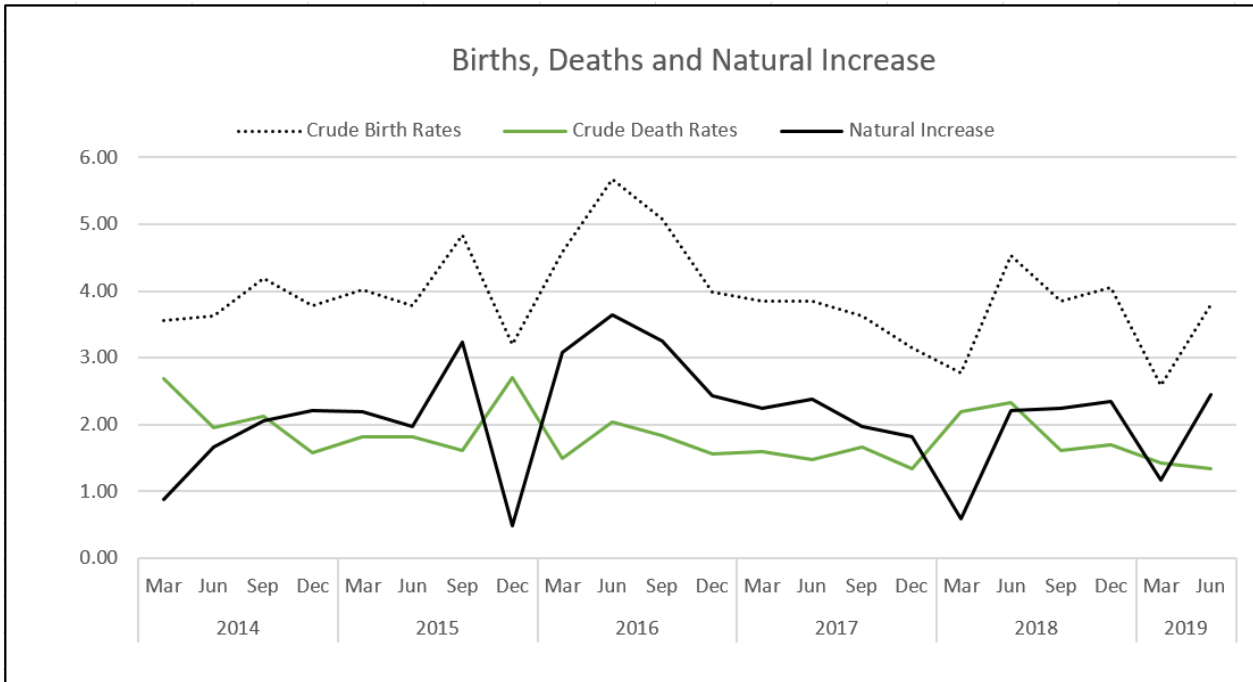
Total number of deaths recorded stood at 34 deaths (averaging to 3 deaths per week) increasing by 47.8 percent when compared to previous quarter June 2019 (23 deaths).

**Crude rates**

The total crude birth rates (births per 1,000 populations) have decreased by 3.6 averaging to three births to every thousand population. The total crude death rate for the September quarter 2019 increased to 1.9 per thousand populations from 1.3 per thousand populations in June quarter 2019.

**Infant mortality rate**

Infant mortality rate (deaths to under 1 year age per 1,000 live births) increased to 15.6 for September quarter 2019. In real numbers there was 1 infant death in the September quarter 2019.



**Marriages**

The total number of marriages officiated in the Cook Islands for the September quarter 2019 was 163 (averaging to 14 marriages per week). This is a 10.9 percent increase when compared to the June quarter 2019. Of these marriages, about 91 percent were non-residents and 9 percent were Cook Island residents.

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

Taggy Tangimetua  
 Government Statistician  
 February 2020

## Explanatory Notes

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### 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 <sup>(4)</sup>	Total Births	Crude Birth Rate <sup>(2)</sup>	Total Deaths	Crude Deaths Rate <sup>(2)</sup>	Rates of Natural Increase	Infant Deaths	Infant Mortality Rate <sup>(3)</sup>	
<b>JUNE YEAR <sup>(1)</sup></b>										
2014 <sup>(p)</sup>	18,400	13,800	204	14.8	113	8.2	6.6	-	-	
2015 <sup>(p)</sup>	18,400	13,200	205	15.5	102	7.7	7.8	-	-	
2016 <sup>(p)</sup>	19,300	11,800	242	20.5	87	7.4	13.1	-	-	
2017 <sup>(p)</sup>	19,500	15,600	222	14.2	93	6.0	8.3	1	4.5	
2018 <sup>(p)</sup>	20,200	15,900	239	15.0	123	7.7	7.3	4	16.7	
<b>QUARTER</b>										
<b>2014</b>	Mar <sup>(p)</sup>	17,300	13,800	49	3.6	37	2.7	0.9	-	-
	Jun <sup>(p)</sup>	18,400	13,800	50	3.6	27	2.0	1.7	-	-
	Sep <sup>(p)</sup>	18,400	13,600	57	4.2	29	2.1	2.1	-	-
	Dec <sup>(p)</sup>	19,700	12,700	48	3.8	20	1.6	2.2	-	-
<b>2015</b>	Mar <sup>(p)</sup>	17,000	13,200	53	4.0	24	1.8	2.2	-	-
	Jun <sup>(p)</sup>	18,400	13,200	50	3.8	24	1.8	2.0	-	-
	Sep <sup>(p)</sup>	18,800	13,000	63	4.8	21	1.6	3.2	-	-
	Dec <sup>(p)</sup>	20,500	12,200	39	3.2	33	2.7	0.5	-	-
<b>2016</b>	Mar <sup>(p)</sup>	17,800	12,000	55	4.6	18	1.5	3.1	-	-
	Jun <sup>(p)</sup>	19,300	11,800	67	5.7	24	2.0	3.6	-	-
	Sep <sup>(p)</sup>	18,000	12,000	61	5.1	22	1.8	3.3	-	-
	Dec <sup>(p)</sup>	17,400	14,800	59	4.0	23	1.6	2.4	-	-
<b>2017</b>	Mar <sup>(p)</sup>	17,600	15,100	58	3.8	24	1.6	2.3	-	-
	Jun <sup>(p)</sup>	19,500	15,600	60	3.8	23	1.5	2.4	-	-
	Sep <sup>(p)</sup>	19,400	15,700	57	3.6	26	1.7	2.0	-	-
	Dec <sup>(p)</sup>	21,800	14,900	47	3.2	20	1.3	1.8	1	21.3
<b>2018</b>	Mar <sup>(p)</sup>	18,600	15,500	43	2.8	34	2.2	0.6	2	46.5
	Jun <sup>(p)</sup>	20,200	15,900	72	4.5	37	2.3	2.2	1	13.9
	Sep <sup>(p)</sup>	20,600	16,100	62	3.9	26	1.6	2.2	1	16.1
	Dec <sup>(p)</sup>	22,100	15,300	55	3.6	24	1.6	2.0	-	-
<b>2019</b>	Mar <sup>(p)</sup>	18,000	16,200	42	2.6	23	1.4	1.2	1	23.8
	Jun <sup>(p)</sup>	20,200	17,100	65	3.8	23	1.3	2.5	-	-
	Sep <sup>(p)</sup>	20,700	17,700	64	3.6	34	1.9	1.7	1	15.6

**Note :** <sup>(1)</sup> Mid year population estimated at June Quarter

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

<sup>(3)</sup> Infant mortality rate is calculated per thousand births

<sup>(4)</sup> 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
<b>YEAR</b>											
	2014	104	100	204	79	34	113	-	57	689	746
	2015	102	103	205	51	51	102	-	70	650	720
	2016	127	115	242	57	30	87	-	57	650	707
	2017 <sup>(r)</sup>	116	106	222	49	44	93	1	57	668	725
	2018 <sup>(p)</sup>	119	113	232	74	47	121	4	72	631	703
<b>QUARTER</b>											
<b>2014</b>	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
<b>2015</b>	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	24	15	39	20	13	33	-	37	172	209
<b>2016</b>	Mar	26	29	55	13	5	18	-	15	92	107
	Jun	35	32	67	15	9	24	-	15	163	178
	Sep	33	28	61	13	9	22	-	10	218	228
	Dec	33	26	59	16	7	23	-	17	177	194
<b>2017</b>	Mar <sup>(r)</sup>	32	26	58	14	10	24	-	12	120	132
	Jun <sup>(r)</sup>	28	32	60	12	11	23	-	9	165	174
	Sep <sup>(r)</sup>	30	27	57	12	14	26	-	18	194	212
	Dec <sup>(r)</sup>	26	21	47	11	9	20	1	18	189	207
<b>2018</b>	Mar <sup>(p)</sup>	22	21	43	19	15	34	2	16	92	108
	Jun <sup>(p)</sup>	34	38	72	25	12	37	1	18	172	190
	Sep <sup>(p)</sup>	30	32	62	16	10	26	1	18	199	217
	Dec <sup>(p)</sup>	33	22	55	14	10	24	-	20	168	188
<b>2019</b>	Mar <sup>(p)</sup>	18	24	42	15	8	23	1	16	98	114
	Jun <sup>(p)</sup>	27	38	65	10	13	23	-	11	136	147
	Sep <sup>(p)</sup>	29	35	64	19	15	34	1	15	148	163

**Table 3 Mothers Age at Birth of Child**

Period		Age Group							
		Total	<20	20-24	25-29	30-34	35-39	40-44	45>
<b>YEAR</b>									
	2014	204	24	54	47	42	24	12	1
	2015	205	24	63	47	38	21	12	0
	2016	219	21	55	48	56	27	10	2
	2017 <sup>(r)</sup>	222	26	53	75	38	18	12	0
	2018 <sup>(p)</sup>	210	20	63	51	41	24	11	0
<b>QUARTER</b>									
<b>2014</b>	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
<b>2015</b>	Mar	53	7	19	11	7	7	2	0
	Jun	50	6	14	9	12	6	3	0
	Sep	63	7	14	18	12	7	5	0
	Dec	39	4	16	9	7	1	2	0
<b>2016</b>	Mar	47	7	15	12	6	6	1	0
	Jun	60	6	15	17	18	4	0	0
	Sep	54	4	13	11	16	6	3	1
	Dec	58	4	12	8	16	11	6	1
<b>2017</b>	Mar <sup>(r)</sup>	58	8	14	21	8	4	3	0
	Jun <sup>(r)</sup>	60	7	19	14	10	7	3	0
	Sep <sup>(r)</sup>	57	4	10	21	13	4	5	0
	Dec <sup>(r)</sup>	47	7	10	19	7	3	1	0
<b>2018</b>	Mar <sup>(p)</sup>	43	2	13	17	4	6	1	0
	Jun <sup>(p)</sup>	72	8	22	16	14	8	4	0
	Sep <sup>(p)</sup>	40	4	7	12	7	7	3	0
	Dec <sup>(p)</sup>	55	6	21	6	16	3	3	0
<b>2019</b>	Mar <sup>(p)</sup>	42	1	15	11	9	5	1	0
	Jun <sup>(p)</sup>	65	5	16	20	15	6	3	0
	Sep <sup>(p)</sup>	64	9	17	22	9	4	2	1