

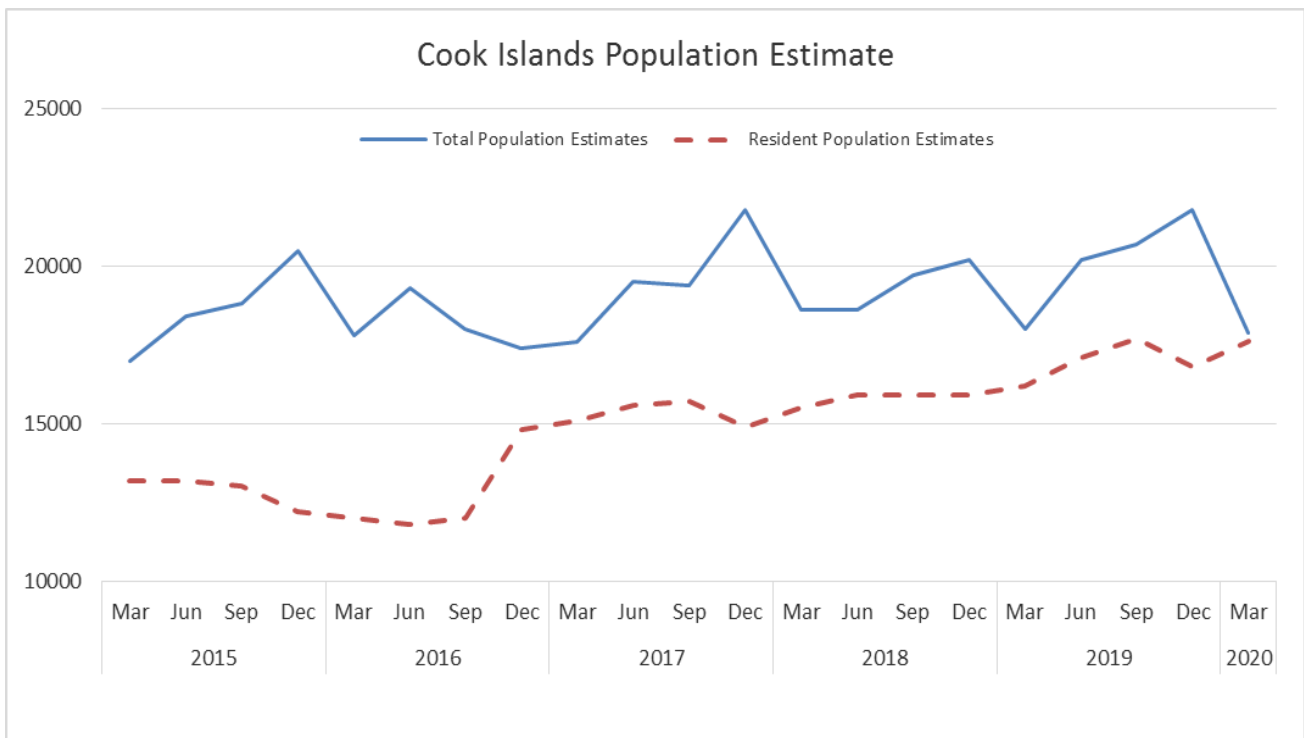
MINISTRY OF FINANCE AND ECONOMIC MANAGEMENT
GOVERNMENT OF THE COOK ISLANDS
COOK ISLANDS
STATISTICAL BULLETIN

VITAL STATISTICS AND POPULATION ESTIMATES
MARCH QUARTER 2020

Population Estimates

In March quarter 2020, estimated total population for the Cook Islands dropped by 17.9 percent (3,900 persons) to reach 17,900 and the Resident population increased by 4.8 per cent (800 persons) over December quarter 2019.

The biggest factor affecting this estimate is due to closure of overseas borders to people entering the country and to help stop the mounting threat or spread of the pandemic COVID-19.



Births

Total births recorded for this quarter March 2020 was 63 births. This averages to five births per week showing a decrease of 16.7 percent (9 births) when compared to December quarter 2019. The number of births to women aged 20-24 (15 births) showed the highest for March quarter 2020, followed by women aged 25-29 (11 births).

Deaths

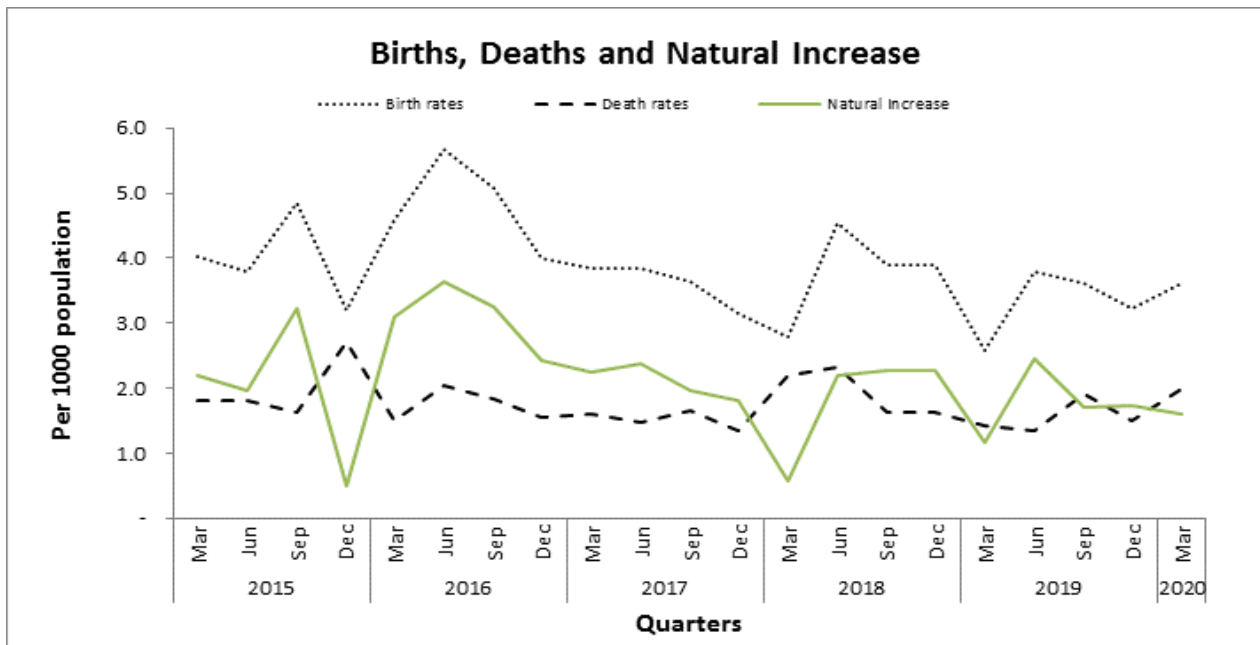
Total number of deaths recorded stood at 35 deaths, 23 deaths were males and 12 were females. Increasing by 40.0 percent when compared to December quarter 2019 (25 deaths) and averaging to 3 deaths per week. This number do not reflect deaths of Cook Islanders occurring abroad.

Crude rates

The number of live births occurring in December quarter 2019 per 1000 population stood at 3.6 averaging to almost 4 births per 1000 population. The annual number of deaths occurring per 1000 mid-year population for March quarter 2020 stood at 1.6, averaging to almost two deaths per 1000 population.

Infant mortality rate

Infant mortality rate (deaths to under 1 year age per 1,000 live births) increased from 4.5 per thousand in 2017 to 16.7 per thousand in 2018 and decreased to 8.9 per thousand in 2019. In real numbers there was 1 infant death in 2017, 4 infant deaths in 2018 and 2 infant deaths in 2019.



Marriages

The total number of marriages officiated in the Cook Islands for the March quarter 2020 was 101 (averaging to 8 marriages per week). This is a 11.4 percent decrease when compared to the March quarter 2019. Of these marriages, about 89 percent were non-residents and 11 percent were Cook Island residents.

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

Taggy Tangimetua
Government Statistician
May 2020

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	Infant Deaths	Infant Mortality Rate ⁽³⁾	
JUNE YEAR ⁽¹⁾										
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	-	-	
2017 ^(p)	19,500	15,600	222	14.2	93	6.0	8.3	1	4.5	
2018 ^(p)	18,600	15,900	239	15.0	123	7.7	7.3	4	16.7	
2019 ^(p)	20,200	17,100	225	13.2	105	6.1	7.0	2	8.9	
QUARTER										
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	-	-
2017	Mar ^(p)	17,600	15,100	58	3.8	24	1.6	2.3	-	-
	Jun ^(p)	19,500	15,600	60	3.8	23	1.5	2.4	-	-
	Sep ^(p)	19,400	15,700	57	3.6	26	1.7	2.0	-	-
	Dec ^(p)	21,800	14,900	47	3.2	20	1.3	1.8	1	21.3
2018	Mar ^(p)	18,600	15,500	43	2.8	34	2.2	0.6	2	46.5
	Jun ^(p)	18,600	15,900	72	4.5	37	2.3	2.2	1	13.9
	Sep ^(p)	19,700	15,900	62	3.9	26	1.6	2.3	1	16.1
	Dec ^(p)	20,200	15,900	62	3.9	26	1.6	2.3	-	-
2019	Mar ^(p)	18,000	16,200	42	2.6	23	1.4	1.2	1	23.8
	Jun ^(p)	20,200	17,100	65	3.8	23	1.3	2.5	-	-
	Sep ^(p)	20,700	17,700	64	3.6	34	1.9	1.7	1	15.6
	Dec ^(p)	21,800	16,800	54	3.2	25	1.5	1.7	-	-
2020	Mar ^(p)	17,900	17,600	63	3.6	35	2.0	1.6	-	-

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

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											
2015	102	103	205	51	51	102	-	70	650	720	
2016	127	115	242	57	30	87	-	57	650	707	
2017 ^(r)	116	106	222	49	44	93	1	57	668	725	
2018 ^(p)	119	113	232	74	47	121	4	72	631	703	
2019 ^(p)	101	124	225	56	49	105	2	56	514	570	
QUARTER											
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	24	15	39	20	13	33	-	37	172	209
2016	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
2017	Mar	32	26	58	14	10	24	-	12	120	132
	Jun	28	32	60	12	11	23	-	9	165	174
	Sep	30	27	57	12	14	26	-	18	194	212
	Dec	26	21	47	11	9	20	1	18	189	207
2018	Mar	22	21	43	19	15	34	2	16	92	108
	Jun	34	38	72	25	12	37	1	18	172	190
	Sep	30	32	62	16	10	26	1	18	199	217
	Dec	33	22	55	14	10	24	-	20	168	188
2019	Mar	18	24	42	15	8	23	1	16	98	114
	Jun ^(r)	27	38	65	10	13	23	-	11	136	147
	Sep ^(p)	29	35	64	19	15	34	1	15	148	163
	Dec ^(p)	27	27	54	12	13	25	-	14	132	146
2020	Mar ^(p)	27	36	63	23	12	35	-	11	90	101

Table 3 Mothers Age at Birth of Child

Period		Age Group								
		Total	<15	15-19	20-24	25-29	30-34	35-39	40-44	45+
YEAR										
	2015	205	-	24	63	47	38	21	12	-
	2016	220	1	22	57	50	55	26	8	1
	2017	221	-	26	53	74	38	18	12	-
	2018 ^(p)	232	-	22	69	62	42	26	11	-
	2019 ^(p)	225	-	19	66	64	50	18	7	1
QUARTER										
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	39	-	4	16	9	7	1	2	-
2016	Mar	48	-	7	16	12	6	6	1	-
	Jun	60	-	6	15	17	18	4	-	-
	Sep	54	-	4	13	11	16	6	3	1
	Dec	58	1	5	13	10	15	10	4	-
2017	Mar	58	-	8	14	21	8	4	3	-
	Jun	60	-	7	19	14	10	7	3	-
	Sep	57	-	4	10	21	13	4	5	-
	Dec	46	-	7	10	18	7	3	1	-
2018	Mar	43	-	2	13	17	4	6	1	-
	Jun	72	-	8	22	16	14	8	4	-
	Sep	62	-	6	13	23	8	9	3	-
	Dec	55	-	6	21	6	16	3	3	-
2019	Mar	42	-	1	15	11	9	5	1	-
	Jun	65	-	5	16	20	15	6	2	1
	Sep ^(r)	64	-	9	17	22	9	4	3	-
	Dec ^(p)	54	-	4	18	11	17	3	1	-
2019	Mar ^(p)	42	-	1	15	11	9	5	1	-