

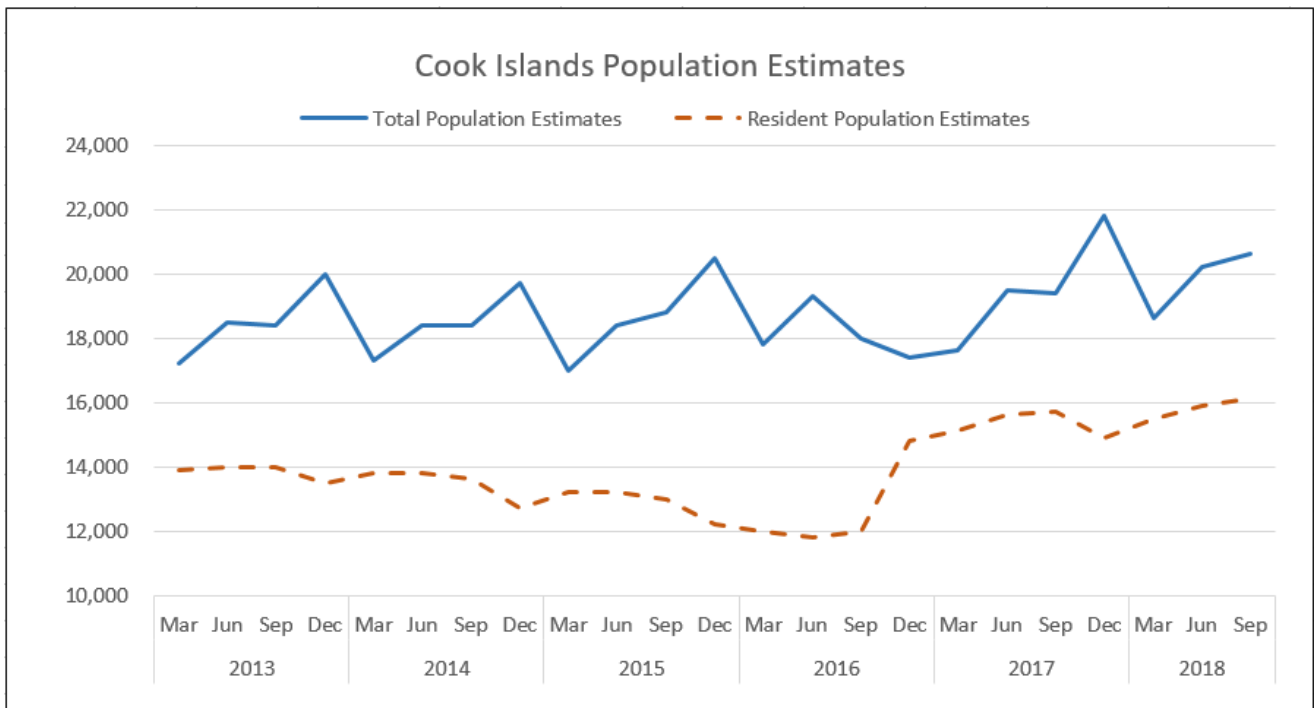
MINISTRY OF FINANCE AND ECONOMIC MANAGEMENT
GOVERNMENT OF THE COOK ISLANDS
COOK ISLANDS
STATISTICAL BULLETIN

VITAL STATISTICS AND POPULATION ESTIMATES
SEPTEMBER QUARTER 2018

Population Estimates

Cook Islands Total Population was estimated at 20,600 for September quarter 2018. This is 2.0 per cent (400 people) more when compared to June quarter 2018 (20,200).

Resident population was estimated at 16,100 for September quarter 2018. This is 1.3 per cent (200 people) more when compared to June quarter 2018 (15,900).



Births

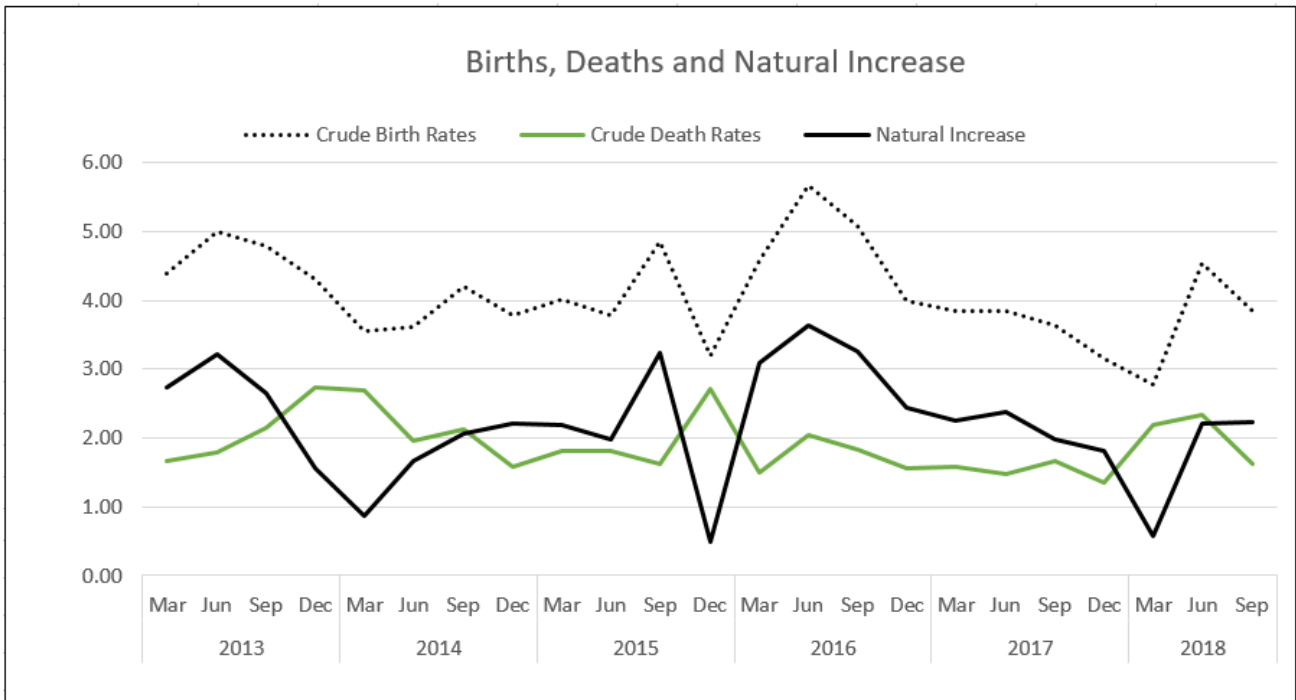
Total births recorded for September quarter 2018 was 62. This averages to 5 births per week. The number of births to women aged 25-29 (12 births) showed the highest for September quarter 2018, followed by 7 births from women's between the age group 20-24, 30-34 and 35-39.

Deaths

Total number of deaths recorded for this quarter was 26 and average of two deaths per week. Showing a decrease of 29.7 per cent (11 deaths) when compared to previous quarter (37 deaths).

Crude rates

The current quarterly crude birth rates in the Cook Islands is 3.9 births per 1,000 population, a 15.0 per cent decline from 4.5 in June Quarter 2018. Averaging to four births to every thousand population. The total crude death rate for the September quarter 2018 was estimated at 1.6 per thousand populations.



Marriages

Total marriages officiated for this quarter stood at 217, an increase of 14.2% (27 marriages) when compared to previous quarter (190 marriages). Of these marriages, 92% were non-residents and 8% were residents.

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

Taggy Tangimetua
Government Statistician
October 2018

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⁾ | | | | | | | | | | |
| 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 | - | - | |
| 2017 ^(p) | 19,500 | 15,600 | 222 | 14.2 | 93 | 6.0 | 8.3 | 1 | 4.5 | |
| QUARTER | | | | | | | | | | |
| 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 | - | - |
| 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) | 20,200 | 15,900 | 72 | 4.5 | 37 | 2.3 | 2.2 | 1 | 13.9 |
| | Sep ^(p) | 20,600 | 16,100 | 62 | 3.9 | 26 | 1.6 | 2.2 | 1 | 16.1 |

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 | | | | | | | | | | | |
| 2013 | 128 | 128 | 256 | 69 | 46 | 115 | - | 63 | 780 | 843 | |
| 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 ^(b) | 116 | 106 | 222 | 49 | 44 | 93 | 1 | 57 | 668 | 725 | |
| QUARTER | | | | | | | | | | | |
| 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 | 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 ^(r) | 32 | 26 | 58 | 14 | 10 | 24 | - | 12 | 120 | 132 |
| | Jun ^(r) | 28 | 32 | 60 | 12 | 11 | 23 | - | 9 | 165 | 174 |
| | Sep ^(r) | 30 | 27 | 57 | 12 | 14 | 26 | - | 18 | 194 | 212 |
| | Dec ^(r) | 26 | 21 | 47 | 11 | 9 | 20 | 1 | 18 | 189 | 207 |
| 2018 | Mar ^(p) | 22 | 21 | 43 | 19 | 15 | 34 | 2 | 16 | 92 | 108 |
| | Jun ^(p) | 34 | 38 | 72 | 25 | 12 | 37 | 1 | 18 | 172 | 190 |
| | Sep ^(p) | 30 | 32 | 62 | 16 | 10 | 26 | 1 | 18 | 199 | 217 |

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 | | | | | | | | | |
| | 2013 | 256 | 34 | 80 | 56 | 38 | 35 | 12 | 1 |
| | 2014 | 204 | 24 | 54 | 47 | 42 | 24 | 12 | 1 |
| | 2015 | 205 | 24 | 63 | 47 | 38 | 21 | 12 | - |
| | 2016 | 219 | 21 | 55 | 48 | 56 | 27 | 10 | 2 |
| | 2017 ^(p) | 222 | 26 | 53 | 75 | 38 | 18 | 12 | - |
| QUARTER | | | | | | | | | |
| 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 | 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 | 47 | 7 | 15 | 12 | 6 | 6 | 1 | - |
| | Jun | 60 | 6 | 15 | 17 | 18 | 4 | - | - |
| | Sep | 54 | 4 | 13 | 11 | 16 | 6 | 3 | 1 |
| | Dec | 58 | 4 | 12 | 8 | 16 | 11 | 6 | 1 |
| 2017 | Mar ^(r) | 58 | 8 | 14 | 21 | 8 | 4 | 3 | - |
| | Jun ^(r) | 60 | 7 | 19 | 14 | 10 | 7 | 3 | - |
| | Sep ^(r) | 57 | 4 | 10 | 21 | 13 | 4 | 5 | - |
| | Dec ^(r) | 47 | 7 | 10 | 19 | 7 | 3 | 1 | - |
| 2018 | Mar ^(p) | 43 | 2 | 13 | 17 | 4 | 6 | 1 | - |
| | Jun ^(p) | 72 | 8 | 22 | 16 | 14 | 8 | 4 | - |
| | Sep ^(p) | 40 | 4 | 7 | 12 | 7 | 7 | 3 | - |