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## Statistical Release:

# Niue Vital Statistics

## January - December 2022

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### FIGURES AT A GLANCE

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Residential Population*	1,564 (2022 Census)
<b>TOTAL BIRTHS</b>	<b>25</b>
Males	10
Females	15
Sex Ratio at Birth (M: F)	67:100
Crude Birth Rate	16.0
Place of Birth:	
In-Country	14
Overseas	11
<b>TOTAL DEATHS</b>	<b>21</b>
Males	10
Females	11
Crude Death Rate	13.4
<b>NATURAL INCREASE</b>	
Total (Births – Deaths)	4
Natural Growth Rate (CBR – CDR)	2.6/1000
<b>TOTAL MARRIAGES</b>	<b>4</b>

\*Residential population captured in 2022 Population and Household Census was used for the calculation of the CBR and CDR

## 1. BIRTHS

### 1.1 Total Births

For the year of 2022, a total of 25 births were registered, of which 10 were boys and 15 were girls.

March and November recorded the highest number of births (four births each), followed by January, February, and April, each recording three births respectively.

The months of June and July, recorded two births each.

May, August, October, and December each recorded having one birth occur in each month.

There was no birth recorded for the month of September

*Table 1.1: Total Births by Sex: January – December 2022*

Months/ Sex	Male	Female	Total
January	2	1	3
February	2	1	3
March	1	3	4
April	1	2	3
May	0	1	1
June	0	2	2
July	1	1	2
August	0	1	1
September	0	0	0
October	1	0	1
November	2	2	4
December	0	1	1
Total	10	15	25

### 1.2 Births by Location

A total of 25 mothers from 10 villages gave birth for the year of 2022.

Alofi South recorded the highest number of births with a total of eight births. This was followed by Tamakautoga with four births recorded and Alofi North and Liku recorded three births each.

Mutalau and Hakupu recorded two births each, and Makefu,

Lakepa, and Avatele all recorded having one birth each.

*Table 1.2: Total Births by Location or Village of mother*

Villages	Total
Alofi South	8
Alofi North	3
Makefu	1
Mutalau	2
Lakepa	1
Liku	3
Hakupu	2
Avatele	1
Tamakautoga	4
Total	25

### 1.3 Births to Mothers in Age groups

Child bearing age groups for women commonly begin from 15 years to 49 years of age according to the United Nations World Health Organization. (UNWHO) Babies born to mothers outside this age range are possible but not common.

Table 1.3: Total Number of Women by Age Group

Age group	No. of women
Under 15	0
15-19	0
20-24	6
25-29	6
30-34	8
35-39	4
40-44	1
45+	0
Total	25

Eight births occurred to mothers with ages between 30-34. This was followed by mothers in the age group of 20-24 and 25-29 with six births recorded for each age group. Four mothers were recorded to be between the ages of 35-39 and only one mother was in between the age group of 40-44. Only one birth was recorded for the age group of 40-44 and no births were recorded in the age groups under the age of 20 and those over the age of 45.

### 1.4 Births by place of birth

In Niue, mothers have the option of *where* to give birth, in-country or in New Zealand. Niueans as New Zealand citizens are very fortunate to have access to specialized healthcare during pregnancy and to deliver their babies in a New Zealand hospital if desired (for aboriginal Niuean's) or on medical referrals (for others).

Table 1.4: Total Number of Births by Place of Birth

Place of birth	Total
Niue	11
Other	14
Total	25

Of the 25 births that occurred within the year of 2022, the majority of the births occurred in Niue, a total of 11 births. 14 births were recorded to be elsewhere by residents of Niue.

### 1.5 Birth weight of baby

An important predictor of baby's health at birth and thus its chance of survival is its weight at birth. A low birth weight can indicate a public health problem, such as long-term maternal malnutrition, ill health of the mother and poor health care. Low birth weight is considered to be less than 2.5kg (2500grams).

*Table 1.4: Total Number of Births by baby birthweight*

Birthweights (kg)	Total
<2.5	0
2.5-4.5	11
>4.5	0
Not stated	14
Grand total	25

From the 25 births recorded for 2022, 11 babies were born with birthweights to be between 2.5kgs and 4.5kgs. 14 babies did not state the birthweight.

The Crude Birth Rate (CBR) for the year of 2022 is 16.0 per 1,000 population.

All births were handled by health professionals.

## 2. DEATHS

### 2.1 Total Deaths

There was a total of 21 deaths recorded for the year 2022, of which 10 were males and 11 were females.

Majority of deaths for 2022 occurred in the months of July and November with a total of four deaths each.

Two deaths were each recorded for the months of January, April, October, and December.

March, May, June, August, and September all recorded one death occurring in each month and

There was no death recorded for the month of February.

*Table 2.1: Total Number of Deaths by Months and Sex January – December 2022*

Months/Sex	Male	Female	Total
January	2	0	2
February	0	0	0
March	0	1	1
April	0	2	2
May	1	0	1
June	1	0	1
July	0	4	4
August	1	0	1
September	1	0	1
October	2	0	2
November	1	3	4
December	1	1	2
Total	10	11	21

### 2.3 Deaths by Age Group

The highest number of deaths occurred for those in the age group of 75 years and over with a total of 14 deaths.

Three deaths were recorded in the 65-74 age group and two deaths were recorded in the 55-64 age group.

The age group of 25-34 and 45-64 recorded one death each.

There were no deaths recorded in the age groups below the age of 25.

*Table 2.2: Total number of Deaths by Age Group*

Age Group	Total
0-4	0
5-14	0
15-24	0
25-34	1
35-44	0
45-54	1
55-64	2
65-74	3
75+	14
Total	21

## 2.3 Deaths by location

It is important to note the following in regards to deaths by location:

1. If a death is to occur overseas to a resident of Niue and the body is not flown back for burial it is not recorded in the death register of Niue.
2. If a death was to occur overseas to a person of Niuean descent that was not residing in Niue for the past 12 months or more and the body is flown back to Niue for burial, it will be recorded in the death register as an overseas death.

This is crucial in terms of analyzing information on Niue's health statistics.

For the year 2022, Tuapa recorded the highest number of deaths with five deaths.

Two deaths were recorded for each of the following months, Alofi South, Alofi North, Mutalau, Lakepa, Liku, Tamakautoga, and Avatele.

Only one death was each recorded for the villages of Makefu and Hikutavake.

*Table 2.3: Total Number of Deaths by Village*

<b>Village</b>	<b>Total</b>
Alofi South	2
Alofi North	2
Makefu	1
Tuapa	5
Hikutavake	1
Mutalau	2
Lakepa	2
Liku	2
Tamakautoga	2
Avatele	2
Total	21

## 2.4 Foetal and Child Deaths

There were no foetal or child deaths registered in 2022.

## 2.5 Underlying Causes of Death

Of the 21 deaths recorded for the year 2022, the highest number of deaths resulting from the underlying cause was due to diseases of the circulatory system (heart diseases) with a total of 10 deaths.

Three deaths were recorded to be due to neoplasms (cancer), two deaths were caused by diseases of the respiratory system (lung diseases).

Certain infectious and parasitic diseases (infectious diseases), endocrine, nutritional, and metabolic diseases (diabetes), and diseases of the genitourinary system each recorded one death due to these underlying causes.

The underlying cause of death was not stated for three deaths.

*Table 2.4: Total Number of Deaths by Underlying Cause of Death*

<b>ICD Chapter codes</b>	<b>Underlying Cause of Death</b>	<b>Total</b>
1-001	Certain infectious and parasitic diseases	1
1-026	Neoplasms	3
1-048	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	0
1-051	Endocrine, nutritional and metabolic diseases	1
1-055	Mental and behavioural disorders	0
1-058	Diseases of the nervous system	0
1-062	Diseases of the eye and adnexa	0
1-063	Diseases of the ear and mastoid process	0
1-064	Diseases of the circulatory system	10
1-072	Diseases of the respiratory system	2
1-078	Diseases of the digestive system	0
1-082	Diseases of the skin and subcutaneous tissue	0
1-083	Diseases of the musculoskeletal system and connective tissue	0
1-084	Diseases of the genitourinary system	1
1-087	Pregnancy, childbirth and the puerperium	0
1-092	Certain conditions originating in the perinatal period	0
1-093	Congenital malformations, deformations and chromosomal abnormalities	0
1-094	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	0
1-095	External causes of morbidity and mortality	0
	Not stated	3
	<b>Total</b>	<b>21</b>

The Crude Death Rate (CDR) for the year 2022 is 13.4 per 1,000 population.

### **3. MARRIAGES**

#### **4.1 Total Marriages**

Four marriages were registered in the year 2022. One occurring in each month of January and March and two marriages recorded for the month of December.

#### **4.2 Marriages by Age groups**

There were no marriages by persons under the age of 30 and over the age of 40 years. All the grooms and the brides were between the ages of 30 and 40.

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#### 4. OTHERS

Other areas of vital statistics such as Divorce, Annulment, Separation, Adoption, Legitimizing, and Recognition were not common in Niue therefore being omitted in the compilations. However, if they happen to occur and became a common occurrence it will be included in the future releases.

#### 5. DEFINITIONS

**Live Birth:** is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born (*all live born infants should be registered and counted as such, irrespective of gestational age or whether live or dead at time of registration, and if they die at any time following birth they should also be registered and counted as deaths*).

**Crude Birth Rate (CBR):** (per 1000 population) is the annual number of live births occurring per thousand mid-year population.

**Death:** is the permanent disappearance of all evidence of life at any time after live birth has taken place (post natal cessation of vital functions without capability of resuscitation)-*this definition excludes foetal deaths, which are defined separately.*

**Foetal Death (Deadborn Foetus):** is death prior to the complete expulsion or extraction from its mother or a product of conception, irrespective of the duration of the pregnancy; the death is indicated by the fact that after such separation the foetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles-*note that this definition broadly includes all terminations of pregnancy other than live births.*

**Crude Death Rate (CDR):** (per 1000 population) is the annual number of deaths occurring per thousand midyear population.

**Marriage:** is the act, ceremony or process by which the legal relationship of husband and wife is constituted. This legality of the union may be established by civil, religious or other means, as recognized by the laws of each country.

#### 6. GENERAL INFORMATION & ACKNOWLEDGEMENTS

## USES OF VITAL STATISTICS

Vital statistics are an essential input for the planning of human development. Knowledge of the size and characteristics of a country's population on a timely basis is a prerequisite to socioeconomic planning. Because a population increases by the addition of live births and decreases by the subtraction of deaths, information about the number of live births and deaths occurring in a population is crucial for estimating the natural increase (or decrease) and the annual change in population size and structure for that population.

Information on the number of live births occurring over a time period, classified by various characteristics of the women giving birth, constitutes the basis for analysis of the dynamics of reproduction.

Information on deaths, classified by various characteristics of the deceased, especially age and sex, is necessary for calculating life-tables and estimating the probability of dying at various ages.

The fertility and mortality estimate thus derived are essential for a variety of purposes, including an understanding of the growth dynamics of the population concerned; an assessment of the human aspects of Socioeconomic development; the measurement of the risks of dying for males and females at specific ages for insurance and social security purposes; and for population projections. *(Principles and Recommendations for a Vital Statistics System. Rev2 UNDESA)*

**Statistics Niue** of the EPDS would like to acknowledge the effort of the staff concerned in keeping the data updated and for the delivery of the cards and ensuring that the information contained therein is relevant and useful to all users and stakeholders.

## 7. METADATA

*In Brief:* The information contained herein this release was extracted from:

- Official Registrations of the **Department of Justice, Lands and Survey (DJLS)**. and
- Arrival Cards from the **Immigration Office of the Niue Police Department**.

It's important to note the following difficulties that often affect the outcome of the information.

Some mothers choose to travel to New Zealand to give birth and on return only some will register their babies with DJLS. For those babies that are not registered with DJLS, Statistics Niue are still able to get information by using the arrival cards, however the information on the arrival cards may contain error or

it may not be completed correctly. Common examples include incorrect or failing to complete the birth date and/or gender of the child.

There are cases of which death occurs in New Zealand and the body is flown back to Niue for burial. These deaths are received by the Civil Registry Office in order to receive the burial permit and are essentially re-registered at the Civil Registry Office of Niue as a death.

## **8. DISCLAIMER**

**Statistics Niue** gives no warranty that the information or data supplied contains no errors. However, all care and diligence has been used in processing, analysing and extracting the information. Therefore, Statistics Niue shall not be liable for any loss or damage suffered by the customer consequent upon the direct or indirect use of the information supplied in this publication.

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