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Statistical Release:

Niue Vital Statistics

January - December 2021

FIGURES AT A GLANCE

Residential Population*	1,720 (Agricultural Census)
TOTAL BIRTHS	19
Males	6
Females	13
Sex Ratio at Birth (M: F)	46:100
Crude Birth Rate	11.0
Place of Birth:	
In-Country	13
Overseas	6
TOTAL DEATHS	13
Males	7
Females	6
Crude Death Rate	7.6
NATURAL INCREASE	
Total (Births – Deaths)	6
Natural Growth Rate (CBR – CDR)	3.5/1000
TOTAL MARRIAGES	1

*Residential population captured in 2021 Agricultural Census was used for the calculation of the CBR and CDR

1. BIRTHS

1.1 Total Births

For the year of 2021, a total of 19 births were registered, of which six were boys and 13 were girls.

February recorded the highest number of births (three births), followed by January, March, April, May, August, and September each recording 2 births respectively.

The months of June, July, October and November for the year 2021 recorded one birth each. There were no births recorded for the month of December.

Table 1.1: Total Births by Sex: January – December 2021

Months/ Sex	Male	Female	Total
January	2	0	2
February	0	3	3
March	1	1	2
April	2	0	2
May	0	2	2
June	0	1	1
July	1	0	1
August	0	2	2
September	0	2	2
October	0	1	1
November	0	1	1
December	0	0	0
Total	6	13	19

1.2 Births by Location

A total of 19 mothers from nine villages gave birth for the year of 2021.

Alofi South and Avatele recorded the highest number of births with five births from each respective village.

Alofi North and Vaiea each recorded having two birth in each respective village.

Hikutavake, Toi, Lakepa, Liku, and Hakupu all recorded having one birth in each respective village.

Table 1.2: Total Births by Location or Village of mother

Villages	Total
Alofi South	5
Alofi North	2
Hikutavake	1
Toi	1
Lakepa	1
Liku	1
Hakupu	1
Vaiea	2
Avatele	5
Total	19

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	3
25-29	7
30-34	6
35-39	2
40-44	1
45+	0
Total	19

Seven births occurred with mothers with ages between 25-29. This was followed by the six births by mothers in the 30-34 age group, three births in the 20-24 age group and two births in the age group of 35-39.

Only one birth was recorded for the age group of 40-44. No births were recorded for those 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	13
Other	6
Total	19

Of the 19 births that occurred within the year of 2021, the majority of the births occurred in Niue, a total of 13 births. Six 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	15
>4.5	0
Not stated	4
Grand total	19

From the 19 births recorded for 2021, 15 babies were born with birthweights between 2.5kgs and 4.5kgs. 4 babies did not state the birthweight.

The Crude Birth Rate (CBR) for the year of 2021 is 11.0 per 1,000 population.

All births were handled by health professionals.

2. DEATHS

2.1 Total Deaths

There was a total of 13 deaths recorded for the year 2021, of which seven were males and six were females.

Majority of deaths for 2021 occurred in the month of July with a total of five deaths.

Three deaths were recorded for the month of October.

January, April, June, August, and November all recorded one death occurring in each month and there were no deaths recorded for the other months of the year.

Table 2.1: Total Number of Deaths by Months and Sex January – December 2021

Months/Sex	Male	Female	Total
January	0	1	1
February	0	0	0
March	0	0	0
April	0	1	1
May	0	0	0
June	1	0	1
July	3	2	5
August	1	0	1
September	0	0	0
October	1	2	3
November	1	0	1
December	0	0	0
Total	7	6	13

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 11 deaths.

One death was recorded in the age group of 45-54 and another recorded for the age group of 65-74.

There were no deaths recorded for those under the age of 45 and those in the 55-64 age group.

Table 2.2: Total number of Deaths by Age Group

Age Group	Total
0-4	0
5-14	0
15-24	0
25-34	0
35-44	0
45-54	1
55-64	0
65-74	1
75+	11
Total	13

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.

Table 2.3: Total Number of Deaths by Village and Sex

Village/Sex	Total
Alofi South	3
Alofi North	1
Tuapa	2
Namukulu	1
Hikutavake	1
Mutalau	1
Liku	1
Avatele	2
Tamakautoga	1
Total	13

For the year 2021, Alofi South recorded the highest number of deaths with three deaths. This was followed by Tuapa and Avatele with two deaths recorded for each village.

Alofi North, Namukulu, Hikutavake, Mutalau, Liku, and Tamakautoga all recorded only one death each.

2.4 Foetal and Child Deaths

There were no foetal or child deaths registered in 2021.

2.5 Underlying Causes of Death

Of the 13 deaths recorded for the year 2021, the highest number of deaths resulting from the underlying cause was due to diseases of the circulatory system (heart diseases) with a total of seven deaths.

Two deaths were recorded to be due to neoplasms (cancer) and one death was caused by diseases of the respiratory system (lung diseases).

Endocrine, nutritional, and metabolic diseases (diabetes) and diseases of the respiratory system both recorded one death due to these underlying causes.

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

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

ICD Chapter codes	Underlying Cause of Death	Total
1-001	Certain infectious and parasitic diseases	0
1-026	Neoplasms	2
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	7
1-072	Diseases of the respiratory system	1
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	0
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	2
	Total	13

The Crude Death Rate (CDR) for the year 2021 is 7.6 per 1,000 population.

3. MARRIAGES

4.1 Total Marriages

Only one marriage was registered to have occurred in the year of 2021

4.2 Marriages by Age groups

There were no marriages by persons under the age of 20 and over the age of 30 years. Both bride and groom were in their 20s.

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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