



Kiribati Annual Health Bulletin 2017

Produced by the Health Information Unit Ministry of Health and Medical Services Nawerewere, Tarawa, Kiribati

Kiribati Annual Health Bulletin 2017

Minister's Foreword

Kam na bane ni mauri!

I am delighted to introduce the Kiribati Health Bulletin: an important tool which provides useful

statistical health information for the Republic of Kiribati, internal and external organizations, as well

as individuals with a keen interest in the nation's health status.

The "2017 Kiribati Health Bulletin" is an annual report based on the Ministry of Health and Medical

Services' (MHMS) achievements from both curative and preventative medicines. The vision and

mission this year has been continuously used since 2016 and were derived from the Ministry Strategic

Plan 2016 to 2019.

<u>VISION:</u> Akea tokin te tamaroa towards "healthy population that is well supported by quality health

services".

MISSION: To deliver a safe quality service through hospital, public health, and nursing services.

The vision and mission seeks to set a direction for MHMS over four years with fixed indicators to help

monitor progress against the strategic objectives. Annually, the year is concluded with the provision

of the Kiribati Health Bulletin which draws data from the indicators as well as additional relevant

information to project whether the strategic objectives are being met or not.

Furthermore, the bulletin targets efforts for public accountability and transparency in the provision

and delivery of public goods and services. On that note, MHMS encourages all interested entities,

young and old, to utilize the report in order to make well-informed decisions for resource allocation,

funding distribution, implementation, research, and many more.

Honorable Tauanei Marea

Minister for Health and Medical Services

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Acronyms & Abbreviations

ARI Acute Respiratory Infection

BH Betio Hospital

CBR Crude Birth Rate

CDR Crude Death Rate

HIU Health Information Unit

ICD International Classification of Diseases

IMCI Integrated Management of Children's Illness

IMF International Monetary Fund

IMO Intern Medical Officer
IMR Infant Mortality Rate

IUCD Intra Uterine Contraceptive Devise
KFHA Kiribati Family Health Association
KHIS Kiribati Health Information System

LBW Low Birth Weight

LKH London Kiritimati Hospital

MA Medical Assistant

MHMS Ministry of Health and Medical Services

MMR Maternal Mortality Rate

MRD Medical Records Department

MS1 Monthly Consolidated Statistical Report

NCD Non Communicable Diseases

NMR Neonatal Mortality Rate
OPD Out Patients Department

PHN Public Health Nurse

SKH Southern Kiribati Hospital

STI Sexually Transmitted Infections

TCH Tungaru Central Hospital

U5MR Under-five Mortality Rate

Key Health Related Indicators at a glance				
Indicator	Year	No.	Rate	Source
Demographic			-	
Total population	2015	110,136		National Statistics Office
Crude Birth Rate (per 1,000 population)	2017	3,069	27.9	
Crude Death Rate (per 1,000 population)	2017	719	6.5	KHIS & MS1
Life expectancy at birth (years)	2017	61.7	66.6	WHO, ANACoD 2017
Female	2017 2015	72.1 726		National Statistics Office
Land area (Sq. km)	2015	720		National Statistics Office
Health and Nutrition	2017	2.4	44.4	
Neonatal Mortality Rate (per 1,000 live births)	2017	34	11.1	
Infant Mortality Rate (per 1,000 live births)	2017	81	26.4	
Under-five Mortality Rate (per 1,000 live births)	2017	135	44.0	
Maternal Mortality Rate (per 100,000 live births)	2017	1	32.6	
Adult mortality rate from NCDs (30-69 years) (per 10,000 population 30-69 years)	2017	211	55.9	KHIS & MS1
Mortality rate from road traffic injuries (per 100,000 population)	2017	12	10.9	
Adolescent birth rate for 10-14 years (per 1,000 girls in age group 10-	2017	9	1.8	
14 years)				
Adolescent birth rate for 15-19 years (per 1,000 girls in age group 15-19 years)	2017	263	45.2	
Contraceptive contacts (all forms) seen at health facilities per 1,000	2017	29,147	264.6	
population Percentage of pregnant mothers received at least one home visit by	2017	328	10.4	MS1
PHN	2017	328	10.4	
Access to antenatal care	2017	12,421	4.0	
Percentage of Low Birth Weight	2017	220	7.2	KHIS & MS1
Malnourished children <5 years	2017	704	5.0	_
Tuberculosis case notification rate (all forms, per 100,000 population)	2017	389	353.2	MS1
TB treatment success rate	2016	460	88.9	MS1 & TB control program
Number of Leprosy cases (new and relapses)	2017	200		MS1
Acute respiratory infection (ARI) in children treated at Tungaru	2017	229	15.9	KHIS
Central Hospital (TCH)				
Children immunized against measles	2017	2,524	92.2	MS1
Diabetes - Occasions of service (per 1000 population)	2017	17,820	162	KHIS & MS1
Hypertension - Occasions of service (per 1000 population)	2017	16,203	147	KI II 3 & IVI3 I
Outpatient consultations per capita	2017	532,349	4.8	MS1
Outpatient consultations per capita for TCH	2017	31,527	0.3	
Tungaru Central Hospital (patient discharges/week)	2017	5448	104.8	KHIS
Tungaru Central Hospital (bed occupancy)	2017		85.3	KIIIS
Tungaru Central Hospital (average length-of-stay)	2017		6.5	
Health Resources				
Number of Hospital Beds per 1,000 population	2017	205	1.9	KHIS
Availability of Medical Officers	2017	66	6.0	
Population per Medical Officer	2017		1668.7	
Availability of Dental Surgeons	2017	6	0.5	
Population per Dental Surgeon	2017		18,356.0	
Availability of Medical Assistants	2017	41	3.7	
Population per Medical Assistant	2017		2,686.2	MHMS Admin Division
Availability of Nurses	2017	383	34.8	TATIONS AMILIAN DIVISION
Population per Nurse	2017		287.6	
Availability of Midwives	2017	75	6.8	
Population per Midwife	2017		1,468.5	
Number of Pharmacists available	2017	5		
Number of Physiotherapists available	2017	3		
Number of Hospitals	2017	4		KHIS
Number of Health Centers	2017	22		MS1
Number of Village Clinics	2017	84		
Number of Hospital Beds	2017	205		KHIS

1. General Information

Country Background

Kiribati officially the Republic of Kiribati, is an island nation in the Central Pacific ocean. The nation comprises 33 atolls and reef islands and one raised coral island, Banaba. Kiribati has a total land area of 726 square kilometers and are dispersed over 3.5 million square kilometers of Ocean. Their spread straddles the equator and the International Date Line (Figure 1).

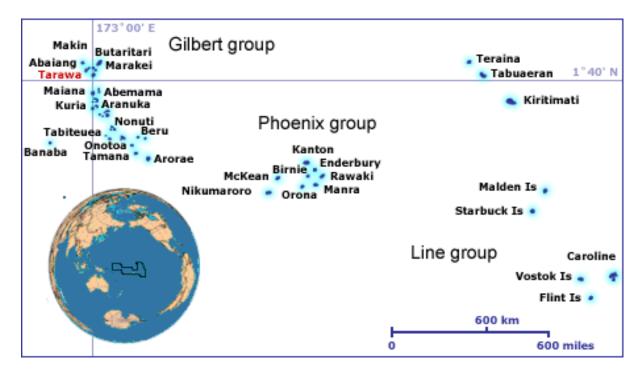


Figure 1: Map of Republic of Kiribati displaying the groups of islands

According to 2015 population and housing census the total population of Kiribati is 110,136 with 51% of that living on South Tarawa an island of 14 km². The vast majority (>95%) of people inhabit the Gilbert Islands with a population density of 152 and an average household size of 6.

Kiribati became independent from the United Kingdom in 1979. The capital and now most populated area, South Tarawa, consists of a number of islets, connected by a series of causeways. These comprise about half the area of Tarawa Atoll. Kiribati is a member of the Commonwealth of Nations, the IMF and the World Bank, and became a full member of the United Nations in 1999.

Administrative divisions

There are a total of 22 inhabited islands in Kiribati. Kiribati is divided into three island groups, and include Gilbert, Phoenix and Line Islands group. Most of the country's population lives in the Gilbert Islands group including the capital South Tarawa. Five of the Line Islands are uninhabited (Malden Island, Starbuck Island, Caroline Island, Vostok Island and Flint Island). The Phoenix Islands are uninhabited except for Kanton. Banaba itself is sparsely inhabited. Each of the 22 inhabited islands has a local council that takes care of the daily affairs. Tarawa Atoll has three councils; Betio Town Council, Te Inainano Urban Council (for the rest of South Tarawa) and Eutan Tarawa Council (for North Tarawa).

Ethnic groups

The native people of Kiribati are called I-Kiribati. Ethnically, the I-Kiribati are Micronesians. Recent archaeological evidence indicates that Austronesians originally settled the islands thousands of years ago. Around the 14th century, Fijians, Samoans, and Tongans invaded the islands, thus diversifying the ethnic range and introducing Polynesian linguistic traits. Intermarriage among all ancestral groups, however, has led to a population reasonably homogeneous in appearance and traditions.

Language

The people of Kiribati speak an Oceanic language called 'Gilbertese'. Although English is also an official language, it is not used very often outside the island capital of Tarawa. It is more likely that English is mixed in its use with Gilbertese.

Religion

Christianity is the major religion, having been introduced by missionaries in the 19th century. The population is predominantly Roman Catholic (57%), although a substantial portion of the population is Kiribati Uniting Church (31%). Many other Protestant denominations, including more evangelical types, are also represented. The Bahá'í faith religion also exists in Kiribati (2.1%), Latter Day Saints (5.3%) as well as other smaller denominations.

Health situation and trends

While the country only has a total land area of 726 square kilometres, it covers over 3.5 million kilometres of ocean, presenting significant challenges for both the healthcare and social service systems. With such a widely dispersed population, those living on outlying islands are not always able to access (or afford) an airlift or boat to the nearest medical facilities. Furthermore, the low-lying atolls of Kiribati are very vulnerable to climate change and rising sea-levels, with issues already arising from groundwater depletion, marine-life and sea-water contamination from human and solid waste, and over-fishing of the reefs and lagoons. Protection of water sources from pollution, mainly from nearby sanitation systems, is a constant public health concern. High internal migration from the outer islands to the capital, South Tarawa, coupled with ad-hoc urban planning and management has resulted in overcrowding, and inadequate sanitation. As with many countries in the Pacific region, Kiribati now faces a 'double burden of diseases'. While many challenges remain in the areas of maternal and child health and in communicable diseases, there has been an important shift

in the burden of diseases – from infectious to non-communicable diseases (NCDs). Overall, life expectancy in Kiribati is low for the Pacific region. In 2017, life expectancy at birth was estimated at 61.7 for males and 72.1 for females according to 2017 Annual Health Bulletin.

Organization of the Health Sector

Kiribati Ministry of Health and Medical Services (MHMS) functions and operate at four levels namely Central, District, Island and Community. The entire system from central to community level is publicly financed. Primary health care is provided through a network of health centres and outreach village clinics extending from district to community level. Essential referral care is provided through 4 referral hospitals and the main being the Tungaru Central Hospital (TCH) in South Tarawa.

Primary Health Care

Administratively Kiribati is divided into six health districts namely Tarawa & Banaba, Central, Northern, South Eastern, South Western and Linnix. Primary health care services are provided within the district health structure through a network of island health centres and village clinics.

The smallest and lower most facility based primary care service at grass root level is named as village clinics and are manned by a specially trained Public Health Nurse (PHN). They are able to deliver a minimum package of curative and preventive health care. Village clinics are situated in each village and number at present stand at 84.

At island level, health centres provides a higher and wider range of services than a village clinic. They provide both inpatient and outpatient services manned by a Medical Assistant (MA). The MAs either possess a degree in bachelor of nursing or a public health degree. At least one health centre is situated in each inhabited island and at present the number stands at 22.

Hospital Care

In Kiribati, secondary care is provided through four hospitals. TCH is the specialized 139 bedded hospital in the country located in Nawerewere, South Tarawa. It provides emergency & outpatient care facilities and inward facilities in four major specialties namely Internal Medicine, Surgery, Paediatrics and Gynaecology & Obstetrics. In addition a special ward for Tuberculosis patients and a paying ward is also present at TCH. TCH is staffed with medical specialists as well as general medical officers. It also functions as a training centre for Intern Medical Officers (IMO) and for primary health care workers. Southern Kiribati Hospital (SKH) situated in Tabiteuea North is a 20 bed hospital while Betio Hospital (BH) located in Betio, South Tarawa consist of 29 beds. Another 17 bedded facility is located in Kiritimati, Line & Phoenix Islands called London Kiritimati Hospital (LKH).

Private Health Sector

The private health care facilities are not available in Kiribati at present, except for a couple of registered shops selling pharmaceuticals.

Kiribati health system

The government of Kiribati is the main provider of health services in the country. Government health facilities includes the four hospitals, 22 health centres and 84 village clinics. In addition to these health facilities there are 12 other health care providers that also report to the Health Information Unit (HIU) that include Integrated Management of Children's Illness (IMCI) clinic, TCH Outpatient Clinic, Gynaecology clinic, Kiribati Family Health Association (KFHA), Diabetic, ANC and Postnatal, TB, Leprosy Clinics, Youth Friendly Health Service, Healthy Family Clinic (GBV), Anaieta Pharmacy and Prison Clinic. All heath care services are provided free to all Kiribati residents by the government and there is very minimal out-of-pocket spending for health. In 2017, the government spent approximately 14.2% of its total recurrent budget on health, a per capita expenditure on Health of AUD \$282 for Kiribati.

2. Key Health Related Indicators with definitions

#	Indicator and Definition	2017
Dem	ographic	
1.	Total population* 2015 census population (National Statistics Office)	110,136
2.	Crude Birth Rate (per 1,000 population*)	27.9
3.	Number of live births per year (per 1,000 population) Crude Death Rate (per 1,000 population*)	6.5
4	Number of deaths per year (per 1,000 population)	
4.	Life Expectancy at Birth (years) Male 2017 Annual Report MHMS Female	66.6
5.	Land area (km²) 2015 Census (National Statistics Office)	726
Healt	th and Nutrition	
6.	Neonatal Mortality Rate Probability of dying between birth and age 28 days (per 1,000 live births)	11.1
7.	Infant Mortality Rate Probability of dying between birth and age 1 year (per 1,000 live births)	26.4
8.	Under-five Mortality Rate Probability of dying by age 5 years (per 1,000 live births)	44.0
9.	Maternal Mortality Rate Probability of a female dying due to a maternal cause (per 100,000 live births)	32.6
10.		
11.	Mortality rate from road traffic injuries* Probability of dying from road traffic injuries in a given year (per 100,000 population)	10.9
12.		
13.	Adolescent birth rate for 15-19 years* Probability of giving birth between the age 15-19 years in a given year (per 1,000 girls age 15-19 years)	45.2
14.	Contraceptive use* Total number of contraceptive contacts (all forms) seen at health facilities in one year (per 1,000 population)	264.6
15.	Access to antenatal care The average number of antenatal clinic visits attended per mother in one year	4.0
16. Percentage of pregnant mothers received at least one home visit by PHN The average number of home visits by PHN per mother in one year		10.4

Table 1	I: (continued) Key Health Related Indicators with definitions	
#	Indicator / Definition	2017
17.	Percentage of Low Birth Weight Percentage of having a low birth weight (<2500g) baby (per 100 live births)	7.2
18.	Malnourished children <5 years Percentage of children (aged <5 years) classified as malnourished or severely malnourished in the MS1 Health Facility Monthly Reporting Form	5.0
19.	Tuberculosis case notification rate* The number of bacteriologically confirmed (new and relapse) tuberculosis cases in a given year (per 100,000 population)	353.2
20.	Tuberculosis treatment success rate Percentage of new, bacteriologically confirmed smear-positive tuberculosis cases that were cured or in which a full course of treatment was completed	88.9
21.	Number of Leprosy cases (new and relapses)	200
22.	Acute respiratory infection (ARI) in children treated at Tungaru Central Hospital* Number of children (aged 0-59) months who had 'presumed pneumonia' (moderate or severe ARI) and were taken to Tungaru Central Hospital (per 1,000 population)	15.9
23.	Children immunized against measles* Percent of children (aged <1 year) who have received one dose of measles-containing vaccine in one year	92.9
24.	Diabetes Occasion of service for diabetic cases to facilities, confirmed or suspected (per 1000 population)	162
25.	Hypertension Occasion of service for hypertension cases to facilities, confirmed or suspected (per 1000 population)	147
26.	Outpatient consultations per capita* Number of visits for ambulant care, not including immunizations, for the total population (including repeat visits) per capita	4.8
27.	Outpatient consultations per capita for Tungaru Central Hospital* Number of visits to Tungaru Central Hospital for ambulant care, not including immunizations, for the total population (including repeat visits) per capita	0.3
28.	Tungaru Central Hospital (patient discharges) Weekly average number of patients discharged from all TCH wards in a given year	104.8
29.	Tungaru Central Hospital (bed occupancy) Proportion of available acute inpatient beds that have been occupied over one year	85.3
30.	Tungaru Central Hospital (average length-of-stay) Average number of days patients spend in hospital	6.5

Table 1: (continued) Key Health Related Indicators with definitions			
#	Indicator / Definition	2017	
Healtl	Health Resources		
31.	Number of Hospital Beds per 1,000 population*	1.9	
32.	Availability of Medical Officers* Number of Medical Officers in a given year (per 10,000 population)	6.0	
33.	Population per Medical Officer* Population: Medical Officer ratio	1668.7	
34.	Availability of Dental Surgeons* Number of Dental Surgeons in a given year (per 10,000 population)	0.5	
35.	Population per Dental Surgeon* Population: Dental Surgeon ratio	18,356.0	
36.	Availability of Medical Assistants* Number of Medical Assistants in a given year (per 10,000 population)	3.7	
37.	Population per Medical Assistant* Population: Medical Assistant ratio	2,686.2	
38.	Availability of Nurses* Number of Nurses in a given year (per 10,000 population)	34.8	
39.	Population per Nurse* Population: Nurse ratio	287.6	
40.	Availability of Midwives* Number of Midwives in a given year (per 10,000 population)	6.8	
41.	Population per Midwife* Population: Midwife ratio	1,468.5	
42.	Number of Pharmacists available	5	
43.	Number of Physiotherapists available	3	
44.	Number of Hospitals	4	
45.	Number of Health Centers	22	
46.	Number of Village Clinics	84	
47.	Number of Hospital Beds	205	

3. Demographic Information

Crude Birth Rate: Number of live births per year (per 1,000 population): 27.9

CBR = Number of live births (3,069) Total population (110,136)	X 1,000
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Methodological/System Issues:

- 2015 census population is used as the base population
- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting
- Births with unrecorded outcomes were counted as live births.

Crude Death Rate: Number of deaths per year (per 1,000 population): **6.5**

CDR =	Number of deaths (719) Total population (110,136)	X 1,000		
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Methodological/System Issues:

- 2015 census population is used as the base population
- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting
- Mortality data is weak
- Mortality data is derived from the final diagnoses documented in the Medical Records (MRs) since death certificates are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s) of death data.
- Strengthened use of Death Certificate at TCH would also contribute to better quality number of deaths and cause of deaths.

4. Health Resources

Table 2: Health institutions in Kiribati		
Type of health facility		No.
Hospitals		4
Island Health Centers		22
Village Clinics/Dispensaries		84
	Total number of health institutions	110

Source: KHIS and MS1 as of 31.12.2015

Number of Hospital Beds: 205

Table 3: Bed strength and location of leading hospitals			
Hospital	Location	No. of Beds	
Tungaru Central Hospital (TCH)	Nawerewere, Tarawa	139	
Southern Kiribati Hospital (SKH)	Tabiteuea, Southern Island	20	
Betio Hospital (BH)	Betio, South Tarawa	29	
London Kiritimati Hospital (LKH)	Kiritimati, Line & Phoenix Islands	17	
	Total bed strength	205	

Source: KHIS as of 31.12.2015

Number of Hospital Beds per 1,000 population: 1.9

Number of Hospital Beds per	Total number of Hospital Beds available (205)	V 1 000
1,000 population =	Total population (110,136)	X 1,000
Methodological/System Issues:		
• 2015 census population is used as base population.		
Data for 2017 has been sourced from the KHIS.		

TCH Bed Occupancy Rate: Proportion of available acute inpatient beds that have been occupied over one year: **85.3**

TCH Bed O	ccupancy Rate =	Total In-patient Service Days (35,500) Total Bed Days (41,610)	X 100
		Total Bed Days (41,610)	

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS and is likely to be affected by under-counting.
- Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

TCH (average length-of-stay): Average number of day's patients spend in hospital: 6.5

TCH Average Length-of-stay =	Total In-patient Service Days (35,500)
	Total number of admissions (5,448)

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS and is likely to be affected by under-counting.
- Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

Table 4: In-patient days, Bed days and Bed occupancy rates for TCH			
Ward	In-patients days	Bed days	Bed occupancy [%]
TCH-Medical	7,633	8,030	95.1
TCH-Surgical	7,110	8,030	88.5
TCH-Paediatric	6,289	9,855	63.8
TCH-Obstetric	11,338	7,665	147.92
TCH-Private	1,781	2,920	61.0
TCH-ICU	1,349	5,110	26.4
Total	35,500	41,610	85.3

Source: KHIS as of 31.12.2017

5. Country Health Manpower

Availability of Medical Officers: Number of Medical Officers (per 10,000 population): 6.0

	Medical Officers per 10,000 population =	Total number of Medical Officers enrolled for the year (66) Total population (110,136)	X 10,000
Ī	Methodological/System Issues:		
	2015 census population is used as base population.		
	Health manpower data for 2017 has been sourced from the Admin division, MHMS.		

Population per Medical Officer: Population: Medical Officer Ratio: 1,668.7

Population per Medical Officer =	Total population for the year (110,136)	
	Total number of Medical Officers enrolled for the year (66)	
Methodological/System Issues:		
2015 census population is used as base population.		
 Health manpower data for 2017 has been sourced from the Admin division, MHMS. 		

Availability of Dental Surgeons: Number of Dental Surgeons (per 10,000 population): 0.5

Dental Surgeons per 10,000	Total number of Dental Surgeons enrolled for the year (6)	X 10,000	
population =	Total population (110,136)	·	
Methodological/System Issues:			
2015 census population is used as base population.			
 Health manpower data for 2017 has been sourced from the Admin division, MHMS. 			

Population per Dental Surgeon: Population: Dental Surgeon ratio: 18,356

Population per Dental Surgeon =	Total population for the year (110,136)	
	Total number of Dental Surgeons enrolled for the year (6)	
Methodological/System Issues:		
2015 census population is used as base population.		
 Health manpower data for 2017 has been sourced from the Admin division. MHMS. 		

Availability of Medical Assistants: Number of Medical Assistants (per 10,000 population): 3.7

	Medical Assistants per 10,000 population =	Total number of Medical Assistants enrolled for the year (41) Total population (110,136)	X 10,000
Me	Methodological/System Issues:		
•	2015 census population is used as base population.		
•	Health manpower data for 2017 has been sourced from the Admin division, MHMS.		

Population per Medical Assistant: Population: Medical Assistant ratio: 2,686.2

	Population per Medical	Total population for the year (110,136)	
	Assistant =	Total number of Medical Assistants enrolled for the year (41)	
М	Methodological/System Issues:		
•	2015 census population is used as base population.		
•	 Health manpower data for 2017 has been sourced from the Admin division, MHMS. 		

Availability of Nurses: Number of Nurses (per 10,000 population): 34.8

Nurses per 10,000 population =	Total number of Nurses enrolled for the year (383) Total population (110,136)	X 10,000		
Methodological/System Issues:				
2015 census population is used as base population.				
• Health manpower data for 2017 has been sourced from the Admin division, MHMS.				

Population per Nurse: Population: Nurse ratio: **287.6**

	Donulation per Nurse -	Total population for the year (110,136)
Population per Nurse =	Total number of Nurses enrolled for the year (383)	
Methodological/System Issues:		
•	2015 census population is used as base population.	

Availability of Midwives: Number of Midwives (per 10,000 population): 6.8

Midwives per 10,000 population =		Total number of Midwives enrolled for the year (75)	X 10,000								
		Total population (110,136)									
Methodologic	Methodological/System Issues:										
• 2015 cens	2015 census population is used as base population.										
 Health manpower data for 2017 has been sourced from the Admin division, MHMS. 											

Population per Midwife: Population: Midwife ratio: 1,468.5

		Total population for the year (110,136)								
	Population per Midwife =									
	. opalation per inidunic	Total number of Midwives enrolled for the year (75)								
М	lethodological/System Issues:									
•	2015 census population is used as base population.									
1.	Health mannower data for 2017 has been sourced from the Admin division, MHMS									

Table 5: Health manpower for Kiribati health institutions

Hospital	Medical Consultants	MOs	IMOs	Dental Surgeons	MAs	Nurses	PHN	Pharmacists	Physio's	Total
TCH	13	34	7	5	4	158		5	3	229
SKH	3	1				14				18
ВН		3				29				32
LKH	3			1		15				19
Health Centre					22					22
Village Clinic					14		114			128
Mental Ward		2			1	12				15
Total	19	40	7	6	41	228	114	5	3	463

Source: Admin, MHMS

Table 6: Location	n and staff availabili	ty of Health Centers and Villa	age Clinics							
				Staff availability						
Island	Health Centre	Village Clinic	MA*	SCH/N	PHN**					
Makin	Makin	Anrawa	1		1					
		Kiebu			1					
Butaritari	Butaritari	Kuma	1	1	1					
		Nakiroro			1					
		Tekananuea			1					
		Tanimaiaki (Butaritari)			1					
		Ukiangang			1					
		Bikati			1					
		Keuea			1					
Marakei	Rawannawi	Tekarakan	1		1					
		Bainuea			1					
		Terawarawa			1					
		Raweai			1					
Abaiang	Taburao	Nuotaea	1	1	1					
		Taniau			1					
		Ribono			1					
		Tebunginako			1					
		Koinawa			1					
		Tanimaiaki (Abaiang)			1					
		Ubwarano			1					
		Tuarabu			1					
Tarawa North	Abaokoro	Tearinibai	1	1	1					
		Buariki (Tarawa North)			1					
		Tabonibara			1					
		Taratai			1					
		Tabiteuea			1					
		Nabeina			1					
		Notoue			1					
TUC		Bonriki	1		2					
		Temwaiku	1		2					
		Bikenibeu East	1		2					
		Bikenibeu West	1		2					
		Eita	1		2					
		Ambo	1		1					
		Banraeaba	1		2					
		Teaoraereke	1		2					
		Nanikai			1					
		Bairiki	1		5					
BTC		Temanoku (BTC)	1		2					
		Takoronga	1		2					
		Temakin	1		2					
Banaba	Banaba	-	1		1					
Maiana	Tabontekeekee	Tekaranga	1		1					
		Bubutei			1					
		Tebikerai			1					

Island	Health Centre	Village Clinic		Sta	aff availabi	lity
				MA*	SCH/N	PHN**
	<u>-</u>	Tanimaeao	-		-	-
Kuria	Kuria	Oneke		1		1
Aranuka	Aranuka	Takaeang		1		1
		Baurua				1
Abemama	Kariatebike	Abatiku		1	1	1
		Tabiang				1
		Tekatirirake				1
		Baretoa				1
		Kabangaki				1
		Tebwanga				1
Nonouti	Tebobonga	Temotu		1		1
		Teuabu				1
		Abamakoro				1
		Mataboou				1
		Rotimwa				1
		Taboiaki				1
		Temanoku (Nonouti)				1
Tab North	Utiroa	Tanaeang		1	1	1
		Buota				1
		Tenatorua				1
		Aiwa				1
		Tekabuibui				1
		Kabuna				1
		Tauma				1
Tab South	Buariki	Tewai		1		1
		Taku				1
Onotoa	Buraitan	Aiaki		1		1
		Tabuarorae				1
		Tekatana				1
		Otoae				1
Beru	Temara	Namon		1	1	1
		Aonnati				1
Nikunau	Nikumatang	Muritoa		1		1
		Mwanrunga				1
Tamana	Motoia	-		1		1
Arorae	Taribo	-		1		1
Kiritimati	London	London		2		2
		Banana				1
		Poland		1		
		Tabwakea				1
Tabuaeran	Paelau	Napali		1		1
		Aramari				1
Teraina	Arabata	Mwakeuea		1		1
Kanton	Canton	-		1		
	-	-	Total	36	6	102

Source: MHMS Admin

6. Morbidity and mortality statistics for Tungaru Central Hospital (TCH)

Outpatient consultations per capita for Tungaru Central Hospital: Number of visits to Tungaru Central Hospital for ambulant care, not including immunizations, for the total population (including repeat visits) per capita: 0.3

OPD consultations per capita	Total number of outpatient consultations at TCH for the year (31,527)
(for TCH) =	Total population (110,136)

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS and is likely to be affected by under-counting.
- Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

TCH (patient discharges): Weekly average number of patients discharged from all TCH wards in a given year: **104.8**

TCH (weekly patient discharges) =	Total number of discharges for the year from TCH (5,448)
	Number of weeks per year (52)

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS and is likely to be affected by under-counting.
- Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

ARI in children treated at TCH: Number of children (aged 0-5) years who had 'presumed pneumonia' (moderate or severe ARI) and were taken to TCH (per 1,000 population): 15.9

TOURADIAN AND AND AND AND AND AND AND AND AND A	Total number of ARI cases (0-5 years) seen at TCH (229)	V 4 000
TCH ARI Moderate/Severe =	Total (0-5 years) population (14,393)	X 1,000

Methodological/System Issues:

- 2015 census population is used as base population.
- Data for 2017 has been sourced from the KHIS and is likely to be affected by under-counting.
- Morbidity data is aggregated in MS1 and therefore unable to disaggregate into disease groups. Hence unable to separate 0-5 years ARI cases.
- This indicator requires a survey to be undertaken.

Outpatient consultations per capita: Number of visits for ambulant care, not including immunizations, for the total population (including repeat visits) per capita: 4.8

OPD consultations per capita	Total number of outpatient consultations for the year (531,939)
(all health institutes) =	Total population (110,136)

Methodological/System Issues:

- 2015 census population is used as base population.
- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting or multiple counting.

Table 7: Basic patient statistics for TCH

Category	Grand Total	Total		Less than 1yr		1-4yrs		5-15yrs		16-29yrs		30-69yrs		70+yrs		Age unrecorded	
Category		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
OPD visit	10,854	4,952	5,902	134	131	328	296	262	329	380	323	1,650	2,192	84	83	18	19
Special Clinics	20,576	9,689	10,887	372	301	576	406	1,002	896	1,656	1,986	5,688	6,845	380	333	73	62
EOPD Encounter	3,540	1,618	1,922	185	121	236	200	172	165	292	466	677	887	55	81	1	2
Hospital Admissions	5,448	1,723	3,725	314	262	149	115	106	114	241	1,578	850	1,572	63	84	0	0
EOPD Deaths	39	25	14	2		1			1	3	1	19	8		4	0	0
Inpatient Deaths	264	156	108	23	17	9	11	1	0	17	4	94	60	12	16	0	0

Source: KHIS as of 31.12.2017

Table 8: Indoor Morbidity Statistics for TCH: according to Age, Sex and Ward category

Word Catagonia	Sub	Total		Less than 1yr		1-	1-4yrs		15yrs	16-29yrs		30-	69yrs	70+yrs		Age Un	recorded
Ward Category	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
TCH-Gynae	99		99	_			-	_	_		3		49		47		
TCH-ICU	106	23	83				4				7	9	32	13	39		
TCH-Medical	987	499	488					3	7	100	65	361	368	35	48		
TCH-Obstetric	2,022		2,022						16		1,278		728				
TCH-Paediatric	960	533	427	302	257	145	105	86	65								
TCH-Private	281	120	161	10	6	4	5	4	2	10	25	80	105	12	18		
TCH-Surgical	874	481	393	2			1	12	10	102	106	351	261	14	15		
TCH-TB	119	66	53					1	4	20	23	44	24	1	2		
Grand Total	5,448	1,723	3,725	314	262	149	115	106	114	241	1,578	850	1,572	63	84		

Source: KHIS as of 31.12.2017

Table 9: Inpatient Morbidity Statistics for Health Centers and Clinics

Service	Month Control of the												Total
Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Admissions	186	226	230	273	242	273	249	234	229	191	153	182	2668
Discharges	126	157	118	159	178	204	174	166	150	124	102	139	1797
Patient days	943	827	817	1068	812	989	841	751	703	715	1013	787	10266

Table 10: Outpatient Morbidity Statistics for Health Centers and Clinics													
Illness						Moi	nth						- Total
iliness	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
(01)Diarrhoea	1,461	1,336	1,327	670	690	1,058	1,379	1,797	1,141	1,220	1,449	1,355	14,883
(02)Dysentery	549	579	528	407	389	438	573	532	451	488	462	522	5,918
(03)ILI - Influenza like illness	3,297	3,931	4,684	5,115	3,800	5,064	4,879	5,059	4,117	5,692	4,084	3,161	52,883
(04)ARI-Pneumonia	540	671	809	896	660	646	481	479	353	413	466	370	6,784
(05)Meningitis	39	38	62	70	139	25		1	19	1	2	3	399
(06)Conjunctivitis	3455	2596	1991	1046	589	486	624	471	415	430	459	346	12,908
(07)STI	14	29	26	28	35	35	30	14	11	11	8	12	253
(08)Prolonged Fever	1,470	1,446	1,792	1,452	725	577	1,006	1,066	1,846	941	989	927	14,237
(09)Acute fever + rash	48	53	35	91	31	106	23	76	37	86	88	13	687
(10) Diabetes	165	153	89	83	85	87	58	36	164	81	50	70	1,121
(11)Hypertension	188	115	91	78	104	90	61	74	123	128	54	73	1,179
(12)Mental illness	7	3	3	6	3	2	2	51	2	4	2	9	94
(13)Fish poisoning	32	67	91	56	68	65	87	45	52	53	69	47	732
(14)Night blindness	90	95	117	108	129	127	81	144	121	134	136	160	1,442
(15)Tinea Vesicolor	359	215	400	346	402	343	412	451	323	171	223	309	3,954
(16)Tinea Corporis	619	605	636	616	710	623	628	652	638	639	524	531	7,421
(17)Worm Infestation	453	397	447	402	480	370	497	451	484	359	395	349	5,084
(18)Scabies	143	181	249	165	151	167	234	131	166	224	150	161	2,122
(19)Others	26,936	28,009	30,454	24,165	27,693	28,827	31,444	31,287	30,960	27,413	26,243	21,959	335,390
Total	39,865	40,519	43,831	35,800	36,883	39,136	42,499	42,817	41,423	38,488	35,853	30,377	467,491

Illness				District			- Total	
Illness	Central	Linnix	Northern	South Eastern	South Western	Tarawa & Banaba	Total	
ILI - Influenza like illness	4,257	3,882	6,745	3,809	3,148	31,042	52,883	
Diarrhoea	917	958	1,288	538	716	10,466	14,883	
Conjunctivitis	680	1463	1,115	601	726	8,323	12,908	
Prolonged Fever	1307	2159	1,960	848	1,111	6,852	14,237	
Dysentery	710	548	759	299	442	3,160	5,918	
Tinea Corporis	425	818	1005	256	280	4,637	7,421	
ARI-Pneumonia	554	326	1,331	297	492	3,784	6,784	
Worm Infestation	405	100	838	249	220	3,272	5,084	
Tinea Vesicolor	233	378	335	108	116	2,784	3,954	
Scabies	65	627	336	104	67	923	2,122	
Night blindness	214	109	201	76	168	674	1,442	
Hypertension	107	26	83	97	109	757	1,179	
Diabetes	140	31	73	99	83	695	1,121	
Fish poisoning	36	26	271	54	58	287	732	
Acute fever + rash	106	121	75	61	44	280	687	
STI	29	16	24	15	15	154	253	
Meningitis	2	67	15	4	51	260	399	
Mental illness	7	1	11	9	5	61	94	
Others	20,713	34,841	28,249	16,198	22,223	213,166	335,390	
Grand Total	30,907	46,497	44,714	23,722	30,074	291,577	467,491	

Camila	Month												Takal
Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ВТС	28	36	36	35	30	46	26	21	18	14		15	305
Abaiang	7	4	10	11	8	9	11	7	53	10	8	6	144
Tarawa North	8	4	14	7	19	10	9	15	19	17	12	7	141
Butaritari	8	4	6	30	8	8	5	8	14	5	7	14	117
Aranuka	14	6	5	31	11	4	4	5	5	4	8	6	103
Onotoa	8	10	8	18	8	3	11	8	4	11	4	7	100
Marakei	4	5	14	7	4	3	5	7	7	8	6	5	75
Maiana	4	6	6	6	6	8	5	4	9	7	6	6	73
Nikunau	4	3	6	20	4	2	8	5	6	6	5	1	70
Abemama	8	3	7	12	3	7	3	2	5	7	6	3	66
Kuria	1	6	6	5		3	2	5	2	5	4	3	42
Tab North		5	10	4	8			8	6	1			42
Beru	3		2	2	17			2	4	4	6		40
Makin	1	2	3	1	8	4	4	3		7	4		37
Nonouti	2	3	2	9	3		1		1	7	2	2	32
Tab South	3		2			5		1	9	2	3		25
Arorae	3		4	3	1	1	1	4	2	1	2		22
Tamana		2	2	8		1		2	2		2	1	20
TUC/KHFA			1			4	3	2			4	1	15
Banaba	2							2		1	4	3	12
Kanton						1		1		1			3
Kiritimati										1			1
Grand Total	108	99	144	209	138	119	98	112	166	119	93	80	1,485

Table 13: Leading Causes of Hospitalization for TCH

Donle	ICD 10 2	Cause of Heavitelineties	Gen	Total	
Rank	ICD 10-3	Cause of Hospitalization	Male	Female	Total
1	080	Single spontaneous delivery		1373	1373
2	O82	Single delivery by caesarean section		256	256
3	E11	Non-insulin-dependent diabetes mellitus	100	118	218
4	J18	Pneumonia, organism unspecified	92	78	170
5	J21	Acute bronchiolitis	85	58	143
6	A09	Other gastroenteritis and colitis of infectious and unspecified origin	56	55	111
7	A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically	60	47	107
8	L02	Cutaneous abscess, furuncle and carbuncle	53	44	97
9	O60	Preterm labour		92	92
10	P36	Bacterial sepsis of newborn	39	47	86
11	R69	Unknown and unspecified causes of morbidity	19	60	79
12	150	Heart failure	43	30	73
13	J44	Other chronic obstructive pulmonary disease	35	37	72
14	L03	Cellulitis	35	31	66
15	N93	Other abnormal uterine and vaginal bleeding		66	66
16	A41	Other septicaemia	35	29	64
17	E43	Unspecified severe protein-energy malnutrition	37	23	60
18	J45	Asthma	27	23	50
19	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	28	20	48
20	I10	Essential (primary) hypertension	24	24	48
21	O47	False labour		47	47
22	003	Spontaneous abortion		45	45
23	N39	Other disorders of urinary system	12	33	45
24	D64	Other anaemias	12	30	42
25	099	Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium		41	41
		Morbidity from all other causes	930	1019	1949
		Grand Total	1722	3726	5448
***	R00-R99	III-defined causes hospitalization (pooled)	65	72	137

Source: KHIS as of 31.12.20167

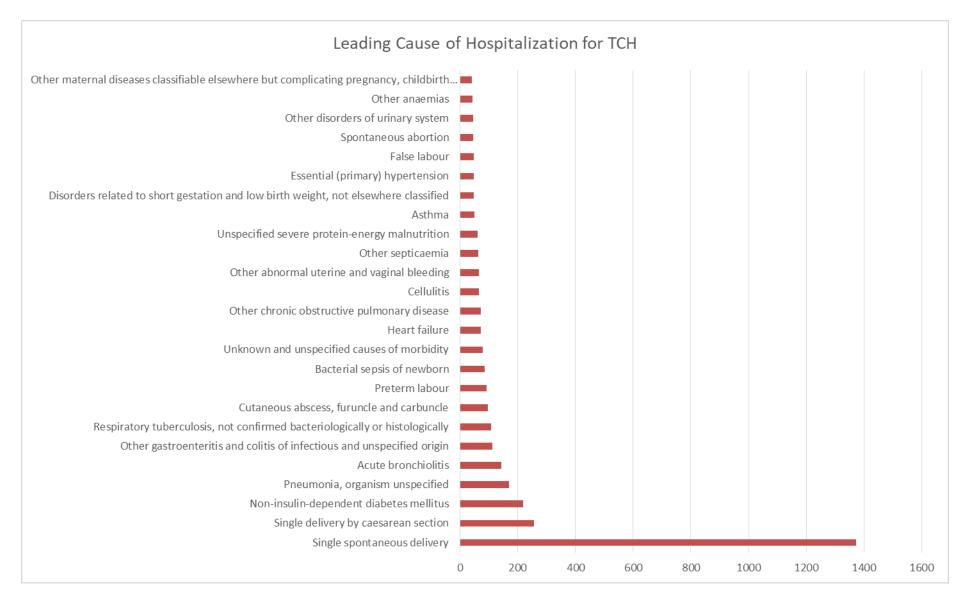


Figure 2: Leading Causes of Hospitalization for TCH

Table 14: Indoor Mortality Statistics for TCH: according to Age, Sex and Ward category

Wand Catagonia	Sub	Total		Less than 1yr		1-4yrs		5-15yrs		16-29yrs		30-69yrs		70+yrs		Age Unknown	
Ward Category	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Male Female		Female
TCH-GYNAE																	
TCH-ICU	29	18	11				2			6	1	12	7		1		
TCH-Medical	118	69	49							9	3	51	35	9	11		
TCH-Paediatric	59	33	26	23	17	9	9	1									
TCH-Private	9	5	4							1		3	3	1	1		
TCH-Surgical	47	29	18							1		26	15	2	3		
TCH-TB	2	2	0									2					
TCH-OB																	
Grand Total	264	156	108	23	17	9	11	1		17	4	94	60	12	16		

Source: KHIS as of 31.12.2017

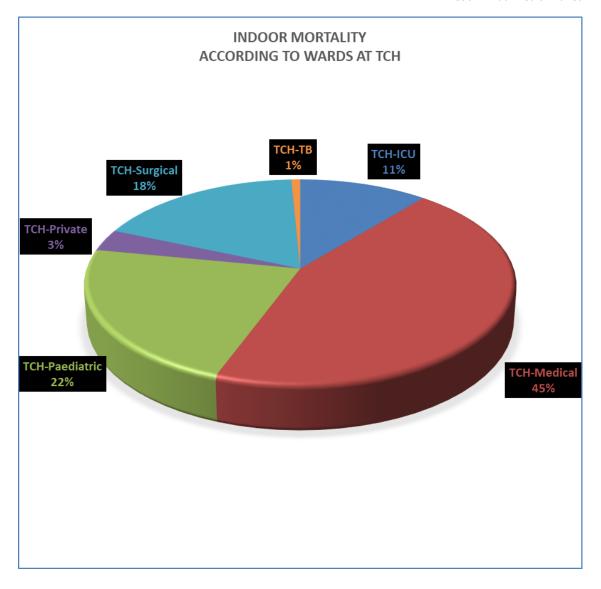


Figure 3: Indoor mortality statistics according to wards: TCH

Table 15: Leading Causes of Hospital Inpatient Deaths* for TCH (Categorized list)

Rank	Cause of Death	Ge		
Kank	Cause of Death	Male	Female	Total
1	Non-insulin-dependent diabetes mellitus	15	13	28
2	Other septicaemia	13	10	23
3	Unspecified severe protein-energy malnutrition	6	10	16
4	Disorders related to short gestation and low birth weight, not elsewhere classified	12	3	15
5	Unattended death	3	5	8
6	Heart failure	5	3	8
7	Acute hepatitis B	6	1	7
8	Other diseases of liver	5	1	6
9	Acute myocardial infarction	3	3	6
10	Other chronic obstructive pulmonary disease	4	2	6
11	Shock, not elsewhere classified	2	3	5
12	Pneumonia, organism unspecified	3	2	5
13	Other inflammatory liver diseases	4	1	5
14	Fibrosis and cirrhosis of liver	3	2	5
15	Malignant neoplasm of bronchus and lung	2	3	5
16	Cerebral infarction	3	1	4
17	Hepatic failure, not elsewhere classified	1	3	4
18	Chronic kidney disease	1	3	4
19	Abscess of anal and rectal regions	3	1	4
20	Unspecified diabetes mellitus	2	1	3
21	Motor-or nonmotor-vehicle accident, type of vehicle unspecified	3		3
22	Cutaneous abscess, furuncle and carbuncle	2	1	3
23	Intracerebral haemorrhage	3		3
24	Malignant neoplasm of breast		3	3
25	Nonrheumatic aortic valve disorders	2	1	3
	Mortality from all other causes (pooled)	50	32	82
	Grand Total	156	108	264

Source: KHIS as of 31.12.2017 * Derived from data extracted from medical records

Table 16: Leading Causes of Hospital Inpatient Deaths* for TCH (Expanded list)

_		O(D.ull	Gender		
Rank	ICD 10-3	Cause of Death	Male	Female	Total
1	E11	Non-insulin-dependent diabetes mellitus	15	13	28
2	A41	Other septicaemia	13	10	23
3	E43	Unspecified severe protein-energy malnutrition	6	10	16
		Disorders related to short gestation and low birth weight, not elsewhere			
4	P07	classified	12	3	15
5	150	Heart failure	5	3	8
6	R98	Unattended death	3	5	8
7	B16	Acute hepatitis B	6	1	7
8	K76	Other diseases of liver	5	1	6
9	121	Acute myocardial infarction	3	3	6
10	J44	Other chronic obstructive pulmonary disease	4	2	6
11	K74	Fibrosis and cirrhosis of liver	3	2	5
12	R57	Shock, not elsewhere classified	2	3	5
13	K75	Other inflammatory liver diseases	4	1	5
14	C34	Malignant neoplasm of bronchus and lung	2	3	5
15	J18	Pneumonia, organism unspecified	3	2	5
16	K72	Hepatic failure, not elsewhere classified	1	3	4
17	K61	Abscess of anal and rectal regions	3	1	4
18	N18	Chronic kidney disease	1	3	4
19	163	Cerebral infarction	3	1	4
20	L02	Cutaneous abscess, furuncle and carbuncle	2	1	3
21	I61		3		3
22	135	Intracerebral haemorrhage Nonrheumatic aortic valve disorders	2	1	3
				1	
23	C50	Malignant neoplasm of breast		3	3
24	E14	Unspecified diabetes mellitus	2	1	3
25	V89	Motor-or nonmotor-vehicle accident, type of vehicle unspecified	3		3
26	L03	Cellulitis		2	2
27	J69	Pneumonitis due to solids and liquids		2	2
28	A09	Other gastroenteritis and colitis of infectious and unspecified origin	1	11	2
29	109	Other rheumatic heart diseases	2		2
30	E46	Unspecified protein-energy malnutrition	2		2
31	125	Chronic ischaemic heart disease	1	1	2
32	R19	Other symptoms and signs involving the digestive system and abdomen		2	2
33	138	Endocarditis, valve unspecified	1	1	2
34	J45	Asthma	2		2
35	146	Cardiac arrest	1	1	2
36	B19	Unspecified viral hepatitis	2		2
37	149	Other cardiac arrhythmias	2		2
38	A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically	1	1	2
39	A15	Respiratory tuberculosis, bacteriologically and histologically confirmed	1	1	2
40	P77	Necrotizing enterocolitis of fetus and newborn		2	2
41	164	Stroke, not specified as haemorrhage or infarction	2		2
42	A17	Tuberculosis of nervous system	2		2
43	G03	Meningitis due to other and unspecified causes		2	2
44	B18	Chronic viral hepatitis	1		1
45	L08	Other local infections of skin and subcutaneous tissue		1	1
		Congenital malformations of the musculoskeletal system, not elsewhere			
46	Q79	classified		1	1
47	l12	Hypertensive renal disease	1		1
48	N17	Acute renal failure		1	1
49	126	Pulmonary embolism	1		1
50	J15	Bacterial pneumonia, not elsewhere classified	1		1
		Nonrheumatic mitral valve disorders	1		1
51	134	Notifiediliatic filitial valve disorders			

Table 16: (Continued) Leading Causes of Hospital Inpatient Deaths* for TCH (Expanded list)

	100.40.0	6 (D. II	Gender		T-4-1
Rank	ICD 10-3	Cause of Death	Male	Female	Total
53	D50	Iron deficiency anaemia	1	-	1
54	M72	Fibroblastic disorders		1	1
		Other fall on same level due to collision with, or pushing by,			
55	W03	another person	1		1
56	N39	Other disorders of urinary system	1		1
57	C25	Malignant neoplasm of pancreas		1	1
58	P24	Neonatal aspiration syndromes		1	1
59	J90	Pleural effusion, not elsewhere classified	1		1
60	Q24	Other congenital malformations of the heart		1	1
61	J96	Respiratory failure, not elsewhere classified	1		1
62	J21	Acute bronchiolitis	1		1
63	K27	Peptic ulcer, site unspecified	1		1
64	J05	Acute obstructive laryngitis [croup] and epiglottitis	1		1
65	K31	Other diseases of stomach and duodenum		1	1
66	M00	Pyogenic arthritis		1	1
67	F20	Schizophrenia	1		1
68	N13	Obstructive and reflux uropathy	1		1
69	C49	Malignant neoplasm of other connective and soft tissue	1		1
70	F10	Mental and behavioural disorders due to use of alcohol	1		1
71	K65	Peritonitis	1		1
		Inflammatory disorders of male genital organs, not elsewhere			
72	N49	classified	1		1
73	K71	Toxic liver disease	1		1
74	P20	Intrauterine hypoxia	1		1
75	E41	Nutritional marasmus	1		1
76	P74	Other transitory neonatal electrolyte and metabolic disturbances	1		1
77	A18	Tuberculosis of other organs		1	1
78	Q20	Congenital malformations of cardiac chambers and connections		1	1
79	D61	Other aplastic anaemias		1	1
		Osteochondrodysplasia with defects of growth of tubular bones and			
80	Q77	spine		1	1
81	C73	Malignant neoplasm of thyroid gland		1	1
82	A40	Streptococcal septicaemia	1		1
83	K80	Cholelithiasis		1	1
84	K92	Other diseases of digestive system	1		1
85	K57	Diverticular disease of intestine	1		1
86	J84	Other interstitial pulmonary diseases	1		1
87	Y09	Assault by unspecified means	1		1
88	J85	Abscess of lung and mediastinum	1		1
		Grand Total	156	108	264

Source: KHIS as of 31.12.2017 * Derived from data extracted from medical records

7. Country mortality statistics

Neonatal Mortality Rate: Probability of dying between birth and age 28 days (per 1,000 live births): **11.1**

NMR = Number of deaths of neonates aged 0-28 days (34)

Number of live births (3,069)

X 1,000

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- Certification of cause(s) of death is poor resulting in weak mortality data
- It is likely that the number of neonatal deaths is under-reported.
- Mortality data is derived from the final diagnoses documented in the MRs since death certificates are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s) of death data.

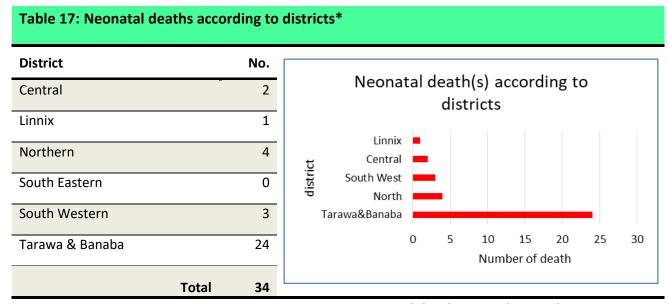


Figure 4: Neonatal deaths according to districts

Infant Mortality Rate: Probability of dying between birth and age 1 year (per 1,000 live births): **26.4**

IMR =	Number of deaths of infants aged <1 year (81)	X 1.000
IIVIN –	Number of live births 3,069)	X 1,000

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- Certification of cause(s) of death is poor in the country.
- It is likely that the number of infant deaths is under-reported.
- Mortality data is derived from the final diagnoses documented in the MRs since death certificates are not issued
 to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s)
 of death data.

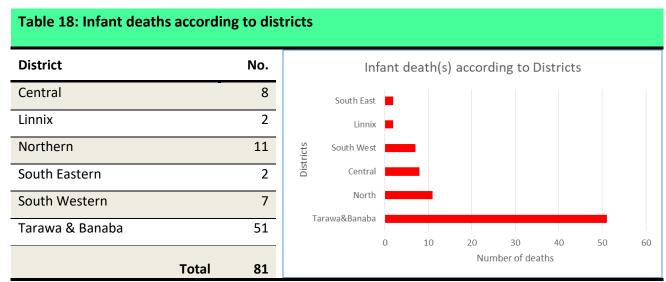


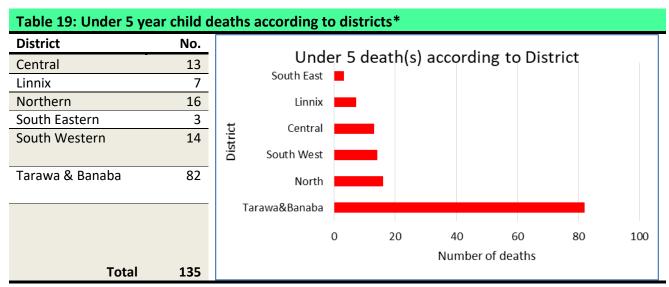
Figure 5: Infant deaths according to districts

Under-five Mortality Rate: Probability of dying by age 5 years (per 1,000 live births): 44.0

U5MR = Number of deaths of children aged <5 years (135)
Number of live births (3,069)

X 1,000

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- Certification of cause(s) of death is poor resulting in weak mortality data
- It is likely that the number of under 5 year deaths is under-reported.
- Mortality data is derived from the final diagnoses, since death certificates are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s) of death data.



Sources: KHIS & MS1 as of

31.12.2017

Figure 6: Under 5 year deaths according to districts

Maternal Mortality Rate: Probability of a female dying due to a maternal cause (per 100,000 live births): 32.6

MMR =	Number of maternal deaths (1)	X 100.000	
IVIIVIN -	Number of live births (3,069)	X 100,000	

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- Certification of cause(s) of death is poor resulting in weak mortality data
- It is likely that the number of under 5 year deaths is under-reported.
- Mortality data is derived from the final diagnoses, since death certificates are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s) of death data.

Table	Table 20: Maternal deaths for Kiribati			
Rank	ICD-10-3	Cause of Death	Total	
1	072	Postpartum Hemorrhage	1	

Total Maternal Deaths* 1

Sources: KHIS & MS1 as of 31.12.2017

Table 21: Maternal deaths according to districts*

District		No.
Central		0
Linnix		0
Northern		0
South Eastern		
South Western		0
Tarawa & Banaba		1
	Total	1

Figure 7: Maternal deaths according to districts

Adult Mortality Rate from NCDs: Probability of dying between age 30-69 years from NCDs in a given year (per 10,000 population age 30-69 years): **55.9**

Adult mortality rate from NCDs (30-69 years) = Total number of deaths due to NCDs for the year (211)

Total population (30-69 years) (37,774)

X 10,000

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- Certification of cause(s) of death is poor resulting in weak mortality data
- It is likely that the number of under 5 year deaths is under-reported.
- Mortality data is derived from the final diagnoses, since death certificates are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s) of death data.

Table 22: Adult deaths due to NCDs according to districts* **District** No. Adult NCD death(s) according to district Central 24 South East 25 Linnix South West Northern 18 Central South Eastern 14 South Western 16 Tarawa&Banaba Tarawa & Banaba 114 20 80 120 40 60 100 Number of death 211 **Total**

Sources: KHIS & MS1 as of 31.12.2017

Figure 8: Adult deaths due to NCDs according to districts

Mortality rate from road traffic injuries: Probability of dying from road traffic injuries in a given year (per 100,000 population) 10.9

Mortality rate from Road Traffic	Total number of deaths due to RTIs for the year (12)	X 100,000
Injuries =	Total population (110,136)	X 100,000

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- Certification of cause(s) of death is poor resulting in weak mortality data
- It is likely that the number of under 5 year deaths is under-reported.
- Mortality data is derived from the final diagnoses, since death certificates are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s) of death data.

Table 23: Leading Causes of Death for Kiribati (Categorized list)*

Donk	Course of Pooth*		Gender		
Rank	Cause of Death*	Male	Female	Total	
1	Non-insulin-dependent diabetes mellitus	19	22	41	
2	Cardiac arrest	25	13	38	
3	Other septicaemia	23	15	38	
4	Stroke, not specified as haemorrhage or infarction	26	12	38	
5	Other ill-defined and unspecified causes of mortality	25	12	37	
6	Unspecified severe protein-energy malnutrition	11	15	26	
7	Volume depletion	12	11	23	
8	Disorders related to short gestation and low birth weight, not elsewhere classified	14	5	19	
9	Complications and ill-defined descriptions of heart disease	14	4	18	
10	Acute myocardial infarction	12	5	17	
11	Other gastroenteritis and colitis of infectious and unspecified origin	12	5	17	
12	Pneumonia, organism unspecified	9	7	16	
13	Lack of expected normal physiological development	7	8	15	
14	Heart failure	8	7	15	
15	Other chronic obstructive pulmonary disease	9	5	14	
16	Other diseases of liver	8	5	13	
17	Meningitis due to other and unspecified causes	7	4	11	
18	Symptoms and signs concerning food and fluid intake	7	4	11	
19	Malignant neoplasm of breast	1	10	11	
20	Motor-or nonmotor-vehicle accident, type of vehicle unspecified	8	3	11	
21	Shock, not elsewhere classified	4	6	10	
22	Acute hepatitis B	8	2	10	
23	Fibrosis and cirrhosis of liver	7	3	10	
24	Chronic kidney disease	2	6	8	
25	Unattended death	3	5	8	
26	Asthma	5	3	8	
27	Abnormalities of breathing	2	6	8	
28	Other inflammatory liver diseases	6	1	7	
29	Hepatic failure, not elsewhere classified	3	4	7	
30	Respiratory tuberculosis, not confirmed bacteriologically or histologically	5	1	6	
31	Malignant neoplasm of bronchus and lung	3	3	6	
32	Peptic ulcer, site unspecified	6		6	
	Mortality from all other causes (pooled)	121	81	203	
	Grand Total	433	293	726	

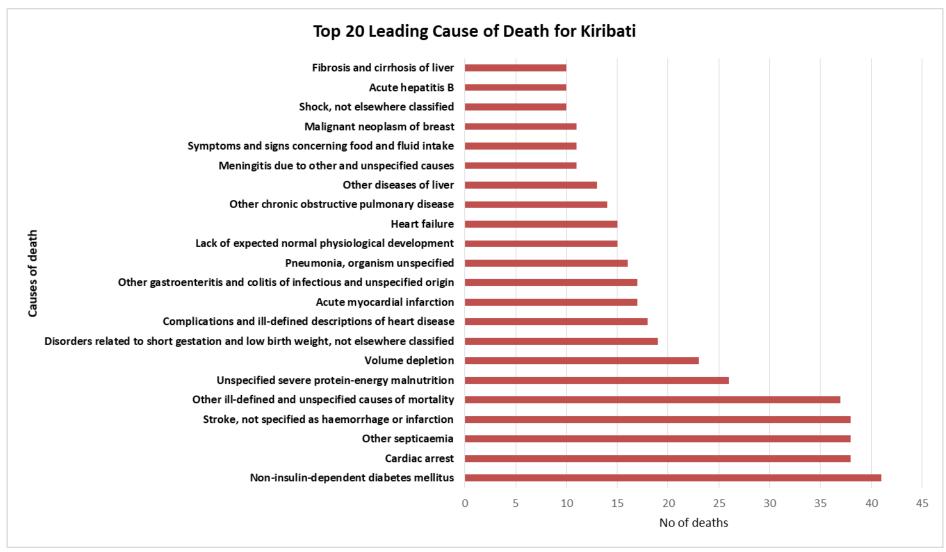


Figure 9: Leading Causes of Death for Kiribati

Table 24: Leading Causes of Death for Kiribati (Expanded list)*

Rank	ICD-10-3	Cause of Death	Gender		— Total
Naiik	ICD-10-3	Cause of Death	Male	Female	TOLAT
1	E11	Non-insulin-dependent diabetes mellitus	19	22	41
2	146	Cardiac arrest	25	13	38
3	A41	Other septicaemia	23	15	38
4	164	Stroke, not specified as haemorrhage or infarction	26	12	38
5	R99	Other ill-defined and unspecified causes of mortality	25	12	37
6	E43	Unspecified severe protein-energy malnutrition	11	15	26
7	E86	Volume depletion	12	11	23
8	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	14	5	19
9	I51	Complications and ill-defined descriptions of heart disease	14	4	18
10	A09	Other gastroenteritis and colitis of infectious and unspecified	12	F	17
11	I21	origin Acute myocardial infarction	12	5	17
12	J18	Pneumonia, organism unspecified	12	5	17
13	R62	Lack of expected normal physiological development	9	7	16
14	150	Heart failure	7 8	8 	15 15
15	J44	Other chronic obstructive pulmonary disease	9	5	14
16	K76	Other diseases of liver	8	5	13
17	G03	Meningitis due to other and unspecified causes	7	4	11
18	R63	Symptoms and signs concerning food and fluid intake		4	11
19	C50	Malignant neoplasm of breast			11
20	V89	Motor-or nonmotor-vehicle accident, type of vehicle	1	10	11
-		unspecified	8	3	11
21	K74	Fibrosis and cirrhosis of liver	7	3	10
22	B16	Acute hepatitis B	8	2	10
23	R57	Shock, not elsewhere classified	4	6	10
24	R06	Abnormalities of breathing	2	6	8
25	R98	Unattended death	3	5	8
26	N18	Chronic kidney disease	2	6	8
27	J45	Asthma	5	3	8
28	K75	Other inflammatory liver diseases	6	1	7
29	K72	Hepatic failure, not elsewhere classified	3	4	7
30	A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically	5	1	6
31	K27	Peptic ulcer, site unspecified	6		6
32	C34	Malignant neoplasm of bronchus and lung	3	3	6
33	109	Other rheumatic heart diseases	4	1	5
34	I10	Essential (primary) hypertension	4	1	5
35	R10	Abdominal and pelvic pain	3	2	5
36	163	Cerebral infarction	3	2	5
37	C53	Malignant neoplasm of cervix uteri	1	4	5
38	K61	Abscess of anal and rectal regions	3	1	4
39	X70	Intentional self-harm by hanging, strangulation and suffocation	2	2	4
40	E46	Unspecified protein-energy malnutrition	4		4
-					•

Table 24: (Continued) Leading Causes of Death for Kiribati (Expanded list)*

Rank	ICD-10-3	Cause of Death	Ge	nder	Total
Kalik	ICD-10-3	Cause of Death	Male	Female	TOTAL
41	B19	Unspecified viral hepatitis	4		4
42	138	Endocarditis, valve unspecified	1	3	4
43	R11	Nausea and vomiting	1	2	3
44	135	Nonrheumatic aortic valve disorders	2	1	3
45	l11	Hypertensive heart disease	2	1	3
46	E14	Unspecified diabetes mellitus	2	1	3
47	W74	Unspecified drowning and submersion	2	1	3
48	J21	Acute bronchiolitis	2	1	3
49	R50	Fever of other and unknown origin	2	1	3
50	L02	Cutaneous abscess, furuncle and carbuncle	2	1	3
51	125	Chronic ischaemic heart disease	2	1	3
52	L03	Cellulitis	1	2	3
53	l61	Intracerebral haemorrhage	3		3
54	X84	Intentional self-harm by unspecified means	3		3
55	J69	Pneumonitis due to solids and liquids	1	2	3
56	P96	Other conditions originating in the perinatal period	1	2	3
57	C25	Malignant neoplasm of pancreas		2	2
58	J85	Abscess of lung and mediastinum	2		2
59	P24	Neonatal aspiration syndromes	1	1	2
60	P77	Necrotizing enterocolitis of fetus and newborn		2	2
61	C73	Malignant neoplasm of thyroid gland		2	2
62	149	Other cardiac arrhythmias	2		2
63	P22	Respiratory distress of newborn		2	2
64	E87	Other disorders of fluid, electrolyte and acid-base balance	1	1	2
65	R56	Convulsions, not elsewhere classified	2	_	2
66	K71	Toxic liver disease	1	1	2
67	N19	Unspecified kidney failure	1	1	2
68	1413	Respiratory tuberculosis, bacteriologically and histologically	-	<u> </u>	
	A15	confirmed	1	1	2
69	N39	Other disorders of urinary system	2		2
70		Other symptoms and signs involving the digestive system and			
74	R19	abdomen		2	2
71	P21	Birth asphyxia	2		2
72	R41	Other symptoms and signs involving cognitive functions and awareness	1	1	2
73	1/41	Inhalation and ingestion of other objects causing obstruction of			
	W80	respiratory tract	1	1	2
74	A17	Tuberculosis of nervous system	2		2
75	R54	Senility	1	1	2
76	F10	Mental and behavioural disorders due to use of alcohol	2		2
77	J90	Pleural effusion, not elsewhere classified	2		2
78	W17	Other fall from one level to another		1	1
79	R17	Unspecified jaundice		1	1
80	Q24	Other congenital malformations of the heart		1	1
81	K52	Other noninfective gastroenteritis and colitis		1	1
	-			-	

Table 24: (Continued) Leading Causes of Death for Kiribati (Expanded list)*

Donle	ICD 10.3	Course of Dooth	Gei	nder	Total
Rank	ICD-10-3	D-10-3 Cause of Death	Male	Female	iotai
82	F03	Unspecified dementia		1	1
83	K56	Paralytic ileus and intestinal obstruction without hernia	1		1
84	Y09	Assault by unspecified means	1		1
85	K57	Diverticular disease of intestine	1		1
86	R07	Pain in throat and chest	1		1
87	G83	Other paralytic syndromes	1		1
88	A18	Tuberculosis of other organs		1	1
89	K63	Other diseases of intestine		1	1
90	J84	Other interstitial pulmonary diseases	1		1
91	K65	Peritonitis	1		1
92	W87	Exposure to unspecified electric current	1		1
93	B18	Chronic viral hepatitis	1		1
94	C03	Malignant neoplasm of gum		1	1
95	A39	Meningococcal infection	1		1
		Congenital malformations of the musculoskeletal system, not			
96	Q79	elsewhere classified		1	1
97	C95	Leukaemia of unspecified cell type	1		1
98	169	Sequelae of cerebrovascular disease	1		1
99	l12	Hypertensive renal disease	1		1
100	J05	Acute obstructive laryngitis [croup] and epiglottitis	1		1
101	I13	Hypertensive heart and renal disease		1	1
102	J22	Unspecified acute lower respiratory infection	1		1
103	K80	Cholelithiasis		1	1
104	R95	Sudden infant death syndrome		1	1
105	K92	Other diseases of digestive system	1		1
106	W03	Other fall on same level due to collision with, or pushing by, another person	1		1
		Neoplasm of uncertain or unknown behaviour of other and			
107	D48	unspecified sites	1		1
108	G40	Epilepsy	1		1
109	D50	Iron deficiency anaemia	1		1
110	J96	Respiratory failure, not elsewhere classified	1		1
111	L08	Other local infections of skin and subcutaneous tissue		1	1
112	K31	Other diseases of stomach and duodenum		1	1
113	M00	Pyogenic arthritis		1	1
114	Q20	Congenital malformations of cardiac chambers and connections		1	1
115	M72	Fibroblastic disorders		1	1
116	Q77	Osteochondrodysplasia with defects of growth of tubular bones and spine		1	1
117	M79	Other soft tissue disorders, not elsewhere classified	1		1
118	A40	Streptococcal septicaemia	1		1
119	N13	Obstructive and reflux uropathy	1		1
		Malignant neoplasm of larynx			
120	C32			1	1

Table 24: (Continued) Leading Causes of Death for Kiribati (Expanded list)*

Dank	ICD 10.3	Course of Dooth	Gender		Tatal
Rank	ICD-10-3	Cause of Death	Male	Female	Total
121	N17	Acute renal failure		1	1
122	R13	Dysphagia	1		1
123	126	Pulmonary embolism	1		1
124	i95	Hypotension		1	1
125	134	Nonrheumatic mitral valve disorders	1		1
126	J15	Bacterial pneumonia, not elsewhere classified	1		1
127	D61	Other aplastic anaemias		1	1
128	E88	Other metabolic disorders	1		1
129	N49	Inflammatory disorders of male genital organs, not elsewhere classified	1		1
130	R59	Enlarged lymph nodes	1		1
131	N93	Other abnormal uterine and vaginal bleeding		1	1
132	C49	Malignant neoplasm of other connective and soft tissue	1		1
133	D64	Other anaemias		1	1
134	F20	Schizophrenia	1		1
135	P20	Intrauterine hypoxia	1		1
136	A30	Leprosy [Hansen's disease]		1	1
137	B37	Candidiasis		1	1
138	W14	Fall from tree	1		1
139	C02	Malignant neoplasm of other and unspecified parts of tongue	1		1
140	J86	Pyothorax	1		1
141	E16	Other disorders of pancreatic internal secretion		1	1
142	W84	Unspecified threat to breathing	1		1
143	P28	Other respiratory conditions originating in the perinatal period		1	1
144	X49	Accidental poisoning by and exposure to other and unspecified chemicals and noxious substances		1	1
145	P36	Bacterial sepsis of newborn	1		1
146	G44	Other headache syndromes	1		1
147	P74	Other transitory neonatal electrolyte and metabolic disturbances	1		1
148	E41	Nutritional marasmus	1		1
149	P81	Other disturbances of temperature regulation of newborn		1	1
150	K52	Other noninfective gastroenteritis and colitis		1	1
151	V02	Pedestrian injured in collision with two- or three-wheeled motor vehicle	1		1
151	072	Postpartum Hemorrhage		1	1
		Grand Total	433	293	726

Table 25.	Doothe du	o to cancor	for Kiribati*
Table 25:	Deaths ou	e to cancer	TOF KILIDAU :

D l	100 40 2	T(0	Ge	T	
Rank	ICD-10-3	Type of Cancer	Male	Female	Total
1	C50	Malignant neoplasm of breast	1	10	11
2	C34	Malignant neoplasm of bronchus and lung	3	3	6
3	C53	Malignant neoplasm of cervix uteri	1	4	5
4	C73	Malignant neoplasm of thyroid gland		2	2
5	C25	Malignant neoplasm of pancreas		2	2
6	C02	Malignant neoplasm of other and unspecified parts of tongue	1		1
7	C32	Malignant neoplasm of larynx		1	1
8	C95	Leukaemia of unspecified cell type	1		1
9	C03	Malignant neoplasm of gum		1	1
10	C49	Malignant neoplasm of other connective and soft tissue	1		1
		Total cancer deaths occurred at a health facility*	8	23	31

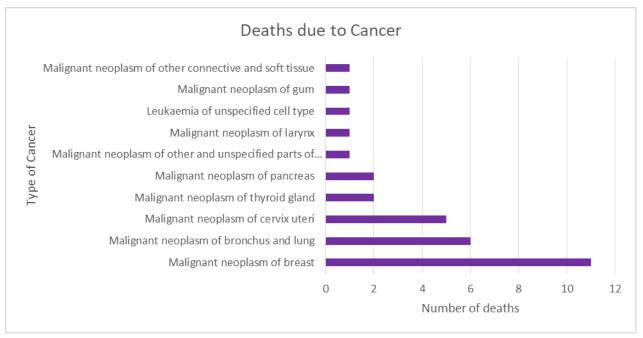


Figure 10: Mortality from cancers

Table 26: Ill-defined causes of death for Kiribati*

Rank	ICD-10-3	III-defined cause of death	Ge	Total	
Naiik	ICD-10-3	iii-defined cause of death	Male	Female	TOTAL
1	R99	Other ill-defined and unspecified causes of mortality	25	12	37
2	R62	Lack of expected normal physiological development	7	8	15
3	R63	Symptoms and signs concerning food and fluid intake	7	4	11
4	R57	Shock, not elsewhere classified	4	6	10
5	R98	Unattended death	3	5	8
6	R06	Abnormalities of breathing	2	6	8
7	R10	Abdominal and pelvic pain	3	2	5
8	R11	Nausea and vomiting	1	2	3
9	R50	Fever of other and unknown origin	2	1	3
10	R41	Other symptoms and signs involving cognitive functions and awareness	1	1	2
11	R19	Other symptoms and signs involving the digestive system and abdomen		2	2
12	R54	Senility	1	1	2
13	R56	Convulsions, not elsewhere classified	2		2
14	R95	Sudden infant death syndrome		1	1
15	R13	Dysphagia	1		1
16	R07	Pain in throat and chest	1		1
17	R59	Enlarged lymph nodes	1		1
18	R17	Unspecified jaundice		1	1
		Total ill-defined deaths occurred at a health facility	61	52	133

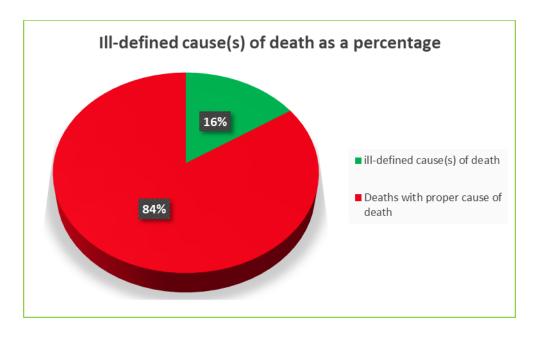


Figure 11: Ill-defined cause(s) of deaths as a percentage of total deaths

8. Maternal & Child Health and Family Planning Services

Access to antenatal care: The average number of antenatal clinic visits attended per mother in one year: **4.0**

Total number of deliveries reported (3,143)	Access to antonotal care -	Total number of antenatal visits (first & revisits) (12,421)
	Access to antenatal care =	Total number of deliveries reported (3,143)

- Data for 2017 has been sourced from the MS1 and is likely to be affected by under-counting.
- It is likely that the number of deliveries is under-reported.

Table 27: Visits to Island	Health Center	s and Cl	inics										
First Visits						Mor	nth						Total
FIRST VISITS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Antenatal	319	261	282	259	354	295	286	314	274	261	281	202	3,388
Postnatal	215	176	178	169	210	217	208	207	207	182	205	162	2,336
Child Health: <1yr	389	295	247	223	271	274	249	316	237	264	297	268	3,330
Child Health: 1-4yrs	405	241	126	207	226	130	192	191	166	153	226	236	2,499
MCH Aides	298	334	478	286	347	300	169	244	507	391	316	546	4,216
Pap Smears	48	124	76	239	144	220	48	21	75	165	141	263	1,564
Re-visits													
Antenatal 2nd	435	303	288	399	294	239	252	235	241	245	231	171	3,333
Antenatal 3rd	103	105	158	159	214	248	209	178	143	159	203	152	2,031
Antenatal 4 th	86	120	140	120	138	182	168	159	127	111	123	116	1,590
Antenatal 4<	190	142	148	100	173	261	283	167	137	139	169	170	2,079
Postnatal	91	83	18	44	38	22	33	16	31	53	27	21	4,77
Child Health: < 1yr	1,308	1,464	1,056	1,003	997	1,026	967	1,143	1,098	1,057	1,124	1,021	13,264
Child Health: 1-4yrs	1,916	2,523	2,070	2,027	1,968	2,477	2,366	2,246	2,489	2,276	2,331	1,608	26,297
MCH Aides	181	247	268	234	86	168	171	187	268	157	204	159	2,330
Pap Smears		6	8	0	32	28	6	17	38	8	4	3	150

Percentage of pregnant mothers received at least one home visit by PHN: The average number of home visits by PHN per mother in one year: 10.4

% of pregnant mothers received at least one home visit by PHN =	Number of home visits (328) Total number of deliveries reported (3,143)	X 100							
Methodological/System Issues:									
Data for 2017 has been sourced from the MS1 and is likely to be affected by under-counting.									
It is likely that the number of deliveries is under-reported.									

Table 28: PHN Home Visits													
Comice offered						Mon	th						Total
Service offered	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Sick patients treated	536	371	309	350	354	316	291	350	362	409	342	298	4,288
Family planning	47	46	20	40	32	26	20	31	30	19	49	27	387
Antenatal	30	20	13	18	30	28	23	30	42	36	35	23	328
Postnatal	84	38	26	30	43	29	35	76	78	64	62	37	602
Child Health: <1yr	195	220	245	198	155	137	220	258	184	232	243	184	2,471
Child Health: 1-4yrs	364	301	363	270	278	247	342	331	268	387	413	318	3,882

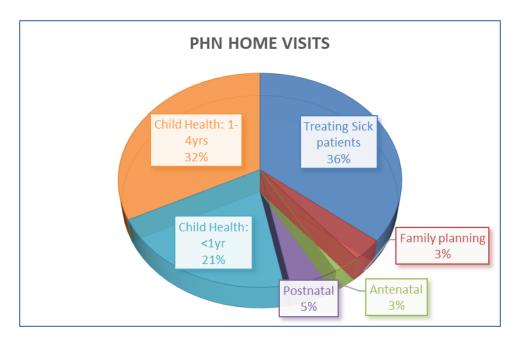


Figure 12: PHN home visits (as a percentage)

Percentage of Low Birth Weight: Percentage of having a low birth weight (<2500g) baby (per 100 live births): 7.2

Percentage of LBW =	Number of Low Birth Weight babies (<2500 gm) (220) Total number of live births (3,069)	X 100

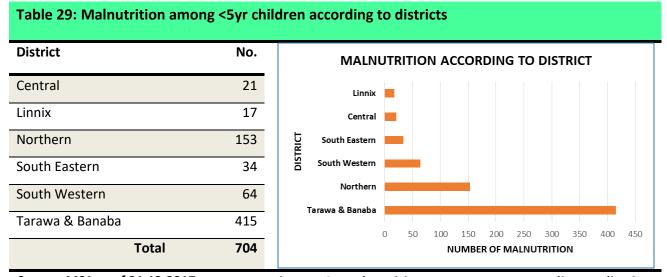
Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.
- Births with unrecorded outcomes were counted as live births.
- It is likely that the number of deliveries is under-reported.

Malnourished children: Percentage of children (aged <5 years) classified as malnourished or severely malnourished in the MS1 Health Facility Monthly Reporting Form: **5.0**

Percentage of Malnourished	Total number of malnourished children <5 years (704)	X 100						
Children = Total population of children (<5 years) (14,393)								
Methodological/System Issues:								
2015 census population is used as base population.								

- Data for 2017 has been sourced from the MS1 and is likely to be affected by under-counting.
- Strengthened and timely reported would contribute to more accurate figures.



Source: MS1 as of 31.12.2017 Figure 13: Malnutrition among <5yrs according to districts

Table 30: Malnu	trition among	g <5yr cl	hildren

Island							Mon	th						Tatal
Island		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
TUC	<u>-</u>	9	12	10	13	16	8	18	18	14	17	13	7	155
ВТС		30	24	5	2	8	42	9	13			5	9	147
Tarawa North		5		1	9	5	11	2	25	21	18	9	5	111
Abaiang		10	12	5	6	1	7	5	8	16	1	2		73
Marakei		1	5			1	3	2	21	21	2		3	59
Onotoa		4	1	5	3		1	1	8	8	2		4	37
Tab North			6	4	1		2	4	2	1				20
Nikunau		2		3	4	4	1					2		16
Beru		5	3			5				1				14
Butaritari			4	1	2			2	3	1	1			14
Kiritimati			2	1		1	3				2			9
Abemama		1			3			1		1	1	1		8
Makin		3	1			1		2						7
Maiana				3				2					1	6
Nonouti			1	2			1				1	1		6
Aranuka		1			1						3			5
Tabuaeran				1	1				1	1		1		5
Teraina													3	3
Arorae							3							3
Kuria							1	1						2
TCH			2											2
Tamana								1						1
Tab South								1						1
Kanton														
	Total	71	73	41	45	42	82	51	99	85	48	34	32	704

Contraceptive use: Total number of contraceptive contacts (all forms) seen at health facilities in one year (per 1,000 population): **264.6**

Contraceptive contacts (all forms)	Contraceptive contacts (all forms) seen at health facilities (29,147)	X 1,000
seen at health facilities =	Total population (110,136)	X 1,000

- 2015 census population is used as base population.
- Data for 2017 has been sourced from the MS1 and is likely to be affected by under-counting and/or multiple-counting.
- Strengthened and timely reporting would contribute to more accurate figures.

Table 31: Family Planning services

Catagoni	Month												Total
Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Continuers from last month	27	15	23	14	14	7	10	38	57	55	44	39	343
New clients		3	2		6	4	31	27	7	5	1	5	91
Restart		2			1	2		4		0		0	9
Discontinuers	5		5	1	2		3	1	2	14	1	8	42
Lost contact	3		1					5				2	11
Continuers at end of month	19	21	16	12	19	11	47	66	61	46	36	33	387
Continuers from last month	107	106	106	97	101	98	151	165	167	153	131	123	1,505
New clients	21	10	16	12	14	32	61	40	12	11	12	14	255
Restart		3	7	3	1	3	7	3	2	3	3	2	37
Discontinuers	5	9	9	3	15	7	24	17	26	33	18	13	179
Lost contact	4		8			2		8	2	7	1	11	43
Continuers at end of month	119	114	111	112	103	124	200	187	156	134	120	106	1,586
Continuers from last month	1,439	1,360	1,346	1,303	1,395	1,444	1,379	1,198	1,277	1,381	1,412	1,300	16,234
New clients	99	120	94	96	117	105	57	112	147	122	99	110	1,278
Restart	28	26	42	31	59	52	31	56	61	59	38	18	501
Discontinuers	98	73	115	53	70	113	219	89	54	63	98	121	1,166
Lost contact	11	15	10	11	15	20	15	23	6	10	17	11	164
Continuers at end of month	1,427	1,454	1,370	1,402	1,482	1,441	1,226	1,247	1,430	1,477	1,408	1,300	16,664
For Male	320	684	481	2,786	4,399	3,106	4,445	2,293	3,511	2,817	609	380	25,831
For Female	7	104	24	88	19	23	39	24	16	9	6	6	365
	26	13	23	10	29	29	31	18	17	16	16	11	239
Inserted this month				0						6	3	1	10
Removed this month		1	1	0					2			2	6
Inserted this month	50	27	21	24	37	26	24	41	47	50	45	37	429
Removed this month	39	45	46	54	52	32	29	37	33	47	27	31	472
	2	2		1	1				1		1		8
	3	7	7	8	11	2	1	16	17		10	12	94
	New clients Restart Discontinuers Lost contact Continuers at end of month Continuers from last month New clients Restart Discontinuers Lost contact Continuers at end of month Continuers from last month New clients Restart Discontinuers Lost contact Continuers from last month New clients Restart Discontinuers Lost contact Continuers at end of month For Male For Female Inserted this month Removed this month Inserted this month	Continuers from last month New clients Restart Discontinuers Lost contact Continuers at end of month New clients Restart Discontinuers Continuers from last month New clients Lost contact Continuers Lost contact Continuers at end of month 119 Continuers at end of month 119 Continuers from last month 1,439 New clients 99 Restart Discontinuers 28 Discontinuers 98 Lost contact 11 Continuers at end of month 1,427 For Male 320 For Female 7 26 Inserted this month Removed this month Inserted this month Inserted this month Removed this month 39	Continuers from last month 27 15 New clients 3 Restart 2 Discontinuers 5 Lost contact 3 Continuers at end of month 19 21 Continuers from last month 107 106 New clients 21 10 Restart 3 3 Discontinuers 5 9 Lost contact 4 4 Continuers at end of month 119 114 Continuers from last month 1,439 1,360 New clients 99 120 Restart 28 26 Discontinuers 98 73 Lost contact 11 15 Continuers at end of month 1,427 1,454 For Male 320 684 For Female 7 104 For Female 7 104 Continuers at end of month 1 1,427 1,454 For Female 7	Continuers from last month 27 15 23 New clients 3 2 Restart 2 2 Discontinuers 5 5 Lost contact 3 1 Continuers at end of month 19 21 16 Continuers from last month 107 106 106 New clients 21 10 16 Restart 3 7 Discontinuers 5 9 9 Lost contact 4 8 Continuers at end of month 119 114 111 Continuers from last month 1,439 1,360 1,346 New clients 99 120 94 Restart 28 26 42 Discontinuers 98 73 115 Lost contact 11 15 10 Continuers at end of month 1,427 1,454 1,370 For Male 320 684 481	Continuers from last month 27 15 23 14 New clients 3 2 Restart 2 2 Discontinuers 5 5 1 Lost contact 3 1 1 Continuers at end of month 19 21 16 12 Continuers from last month 107 106 106 97 New clients 21 10 16 12 Restart 3 7 3 3 7 3 Discontinuers 5 9 9 3 1 12 10 16 12 12 10 16 12 12 10 16 12 12 10 16 12 12 10 16 12 12 12 10 16 12 12 12 12 12 12 12 12 12 12 12 13 13 13 13 13 <t< td=""><td>Continuers from last month 27 15 23 14 14 New clients 3 2 6 Restart 2 1 1 Discontinuers 5 5 5 1 2 Lost contact 3 1 1 2 19 Continuers at end of month 19 21 16 12 19 Continuers from last month 107 106 106 97 101 New clients 21 10 16 12 14 Restart 3 7 3 1 Discontinuers 5 9 9 3 15 Lost contact 4 8 15 10 11 11 11 11 112 103 13 15 10 13 13 15 13 13 15 12 14 14 11 11 11 11 11 11 11 11</td><td>Category Jan Feb Mar Apr May Jun Continuers from last month 27 15 23 14 14 7 New clients 3 2 5 6 4 Restart 2 5 1 2 Discontinuers 5 5 1 2 Lost contact 3 1 1 10 10 12 19 11 Continuers at end of month 107 106 106 97 101 98 New clients 21 10 16 12 14 32 Restart 3 7 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3</td><td>Category Jan Feb Mar Apr May Jun Jun Continuers from last month 27 15 23 14 14 7 10 New clients 3 2 6 4 31 Restart 2 5 1 2 3 Lost contact 3 1 7 10 4 Continuers at end of month 19 21 16 12 19 11 47 Continuers from last month 107 106 106 97 101 98 151 New clients 21 10 16 12 14 32 6 Restart 3 7 3 1 3 7 24 Lost contact 4 8 2 2 2 Continuers at end of month 1,439 1,360 1,346 1,303 1,395 1,444 1,379 New clients 99 120</td><td>Category Jan Feb Mar Apr May Jun Jul Apara Apara Continuers from last month 27 15 23 14 14 7 10 38 New clients 3 2 6 4 31 27 Restart 2 5 1 2 3 1 Lost contact 3 1 1 2 3 1 Continuers at end of month 19 21 16 12 19 11 47 66 Continuers from last month 107 106 106 97 101 98 15 165 New clients 21 10 16 12 14 32 61 40 Restart 3 7 3 1 3 7 24 17 Lost contact 4 8 8 2 2 8 Continuers at end of month 1,439 1,360</td></t<> <td>Continuers from last month 27 15 23 14 14 7 10 38 57 New clients 3 2 6 4 31 27 7 Restart 2 5 1 2 3 1 2 3 1 2 Lost contact 3 1 1 2 3 1 2 Continuers at end of month 19 21 16 12 19 11 47 66 61 Continuers from last month 107 106 106 97 101 98 151 165 167 New clients 21 10 16 12 14 32 61 40 12 Restart 3 7 3 1 3 7 24 17 26 Lost contact 4 8 2 2 8 2 Continuers at end of month 119 114</td> <td>Continuers from last month Feb Mar Apr Way Jun Jul Aug Dec New clients 3 12 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 4 1 2 1 1 1 1 4 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>Continuers from last month Feb Mar Apr Way Jun Jul Aug Eop Oct Nov Continuers from last month 27 15 23 14 14 7 10 38 57 55 44 New clients 3 2 - 6 4 31 27 7 5 1 Discontinuers 5 - 5 1 2 3 1 2 4 0 - Discontinuers 5 - 5 1 2 3 1 2 4 0 0 Continuers at end of month 19 21 16 12 19 11 47 66 61 46 36 Continuers from last month 107 106 106 97 101 98 151 165 167 133 131 New clients 21 10 16 12 14 <t< td=""><td>Continuers from last month 27 15 23 14 14 7 10 38 57 55 44 39 New clients 3 2 6 4 31 27 7 5 1 5 Restart 2 1 2 3 1 2 4 0 1 8 Discontinuers 5 1 2 1 2 4 0 1 8 Lost contact 3 1 1 2 5 5 1 2 5 6 6 6 6 6 3 3 3 2 1 1 4 4 6 6 6 6 3 3 3 3 3 3 3 3 3 3 3 1 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4</td></t<></td>	Continuers from last month 27 15 23 14 14 New clients 3 2 6 Restart 2 1 1 Discontinuers 5 5 5 1 2 Lost contact 3 1 1 2 19 Continuers at end of month 19 21 16 12 19 Continuers from last month 107 106 106 97 101 New clients 21 10 16 12 14 Restart 3 7 3 1 Discontinuers 5 9 9 3 15 Lost contact 4 8 15 10 11 11 11 11 112 103 13 15 10 13 13 15 13 13 15 12 14 14 11 11 11 11 11 11 11 11	Category Jan Feb Mar Apr May Jun Continuers from last month 27 15 23 14 14 7 New clients 3 2 5 6 4 Restart 2 5 1 2 Discontinuers 5 5 1 2 Lost contact 3 1 1 10 10 12 19 11 Continuers at end of month 107 106 106 97 101 98 New clients 21 10 16 12 14 32 Restart 3 7 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	Category Jan Feb Mar Apr May Jun Jun Continuers from last month 27 15 23 14 14 7 10 New clients 3 2 6 4 31 Restart 2 5 1 2 3 Lost contact 3 1 7 10 4 Continuers at end of month 19 21 16 12 19 11 47 Continuers from last month 107 106 106 97 101 98 151 New clients 21 10 16 12 14 32 6 Restart 3 7 3 1 3 7 24 Lost contact 4 8 2 2 2 Continuers at end of month 1,439 1,360 1,346 1,303 1,395 1,444 1,379 New clients 99 120	Category Jan Feb Mar Apr May Jun Jul Apara Apara Continuers from last month 27 15 23 14 14 7 10 38 New clients 3 2 6 4 31 27 Restart 2 5 1 2 3 1 Lost contact 3 1 1 2 3 1 Continuers at end of month 19 21 16 12 19 11 47 66 Continuers from last month 107 106 106 97 101 98 15 165 New clients 21 10 16 12 14 32 61 40 Restart 3 7 3 1 3 7 24 17 Lost contact 4 8 8 2 2 8 Continuers at end of month 1,439 1,360	Continuers from last month 27 15 23 14 14 7 10 38 57 New clients 3 2 6 4 31 27 7 Restart 2 5 1 2 3 1 2 3 1 2 Lost contact 3 1 1 2 3 1 2 Continuers at end of month 19 21 16 12 19 11 47 66 61 Continuers from last month 107 106 106 97 101 98 151 165 167 New clients 21 10 16 12 14 32 61 40 12 Restart 3 7 3 1 3 7 24 17 26 Lost contact 4 8 2 2 8 2 Continuers at end of month 119 114	Continuers from last month Feb Mar Apr Way Jun Jul Aug Dec New clients 3 12 1 1 2 1 1 2 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 4 1 2 1 1 1 1 4 1 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Continuers from last month Feb Mar Apr Way Jun Jul Aug Eop Oct Nov Continuers from last month 27 15 23 14 14 7 10 38 57 55 44 New clients 3 2 - 6 4 31 27 7 5 1 Discontinuers 5 - 5 1 2 3 1 2 4 0 - Discontinuers 5 - 5 1 2 3 1 2 4 0 0 Continuers at end of month 19 21 16 12 19 11 47 66 61 46 36 Continuers from last month 107 106 106 97 101 98 151 165 167 133 131 New clients 21 10 16 12 14 <t< td=""><td>Continuers from last month 27 15 23 14 14 7 10 38 57 55 44 39 New clients 3 2 6 4 31 27 7 5 1 5 Restart 2 1 2 3 1 2 4 0 1 8 Discontinuers 5 1 2 1 2 4 0 1 8 Lost contact 3 1 1 2 5 5 1 2 5 6 6 6 6 6 3 3 3 2 1 1 4 4 6 6 6 6 3 3 3 3 3 3 3 3 3 3 3 1 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4</td></t<>	Continuers from last month 27 15 23 14 14 7 10 38 57 55 44 39 New clients 3 2 6 4 31 27 7 5 1 5 Restart 2 1 2 3 1 2 4 0 1 8 Discontinuers 5 1 2 1 2 4 0 1 8 Lost contact 3 1 1 2 5 5 1 2 5 6 6 6 6 6 3 3 3 2 1 1 4 4 6 6 6 6 3 3 3 3 3 3 3 3 3 3 3 1 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4

9. Immunization Services

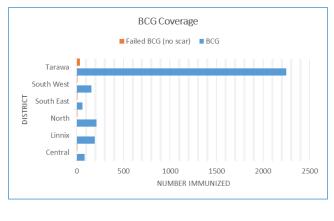
Children immunized against measles: Percent of children (aged <1 year) who have received one dose of measles-containing vaccine in one year: **92.9**

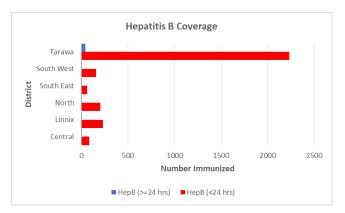
Manalas Cayarasa	Number of children aged <1 years receiving the MCV1 in a year (2,524)	V 100
Measles Coverage =	Total number of children aged <1 years (2,716)	X 100

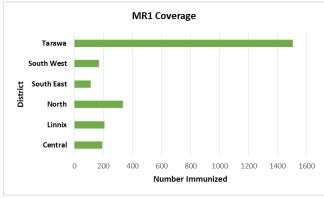
- 2015 census population is used as base population.
- Data for 2017 has been sourced from the MS1 and is likely to be affected by under-counting and/or multiple-counting.
- Strengthened and timely reporting would contribute to more accurate figures.

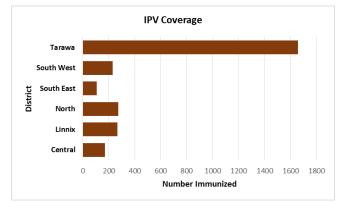
Table 32: Immunization Overview (Children <1yr) according to districts

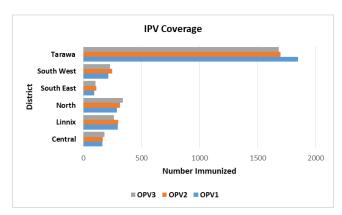
Vaccine type	accine type District							
vaccine type	Central	Linnix	Northern	South Eastern	South Western	Tarawa & Banaba	Grand Total	
BCG	84	194	210	62	157	2,247	2,954	
Failed BCG (no scar)	4		7	2	3	34	50	
HepB (<24 hrs)	86	230	204	62	159	2,234	2,975	
HepB (>=24 hrs)	4	7	5	3	2	42	63	
IPV	172	268	272	109	230	1,655	2,706	
MR1	192	207	336	115	170	1,504	2524	
OPV1	165	297	289	95	216	1,849	2,911	
OPV2	169	300	316	111	247	1,696	2,839	
OPV3	183	262	341	104	229	1,684	2,803	
PENTAVALENT1	171	297	292	98	215	1,850	2,923	
PENTAVALENT2	184	297	315	109	246	1,715	2,866	
PENTAVALENT3	188	266	319	109	241	1,682	2,805	
PNEUMOCCOCAL1	180	295	288	96	219	1,848	2,926	
PNEUMOCCOCAL2	186	296	316	108	235	1,727	2,868	
PNEUMOCCOCAL3	187	282	319	110	241	1,695	2,834	
ROTA1	177	298	287	97	206	1,851	2,916	
ROTA2	188	293	309	108	233	1,722	2,853	
Grand Total	2,520	4,089	4,425	1,498	3,249	27,035	42,816	

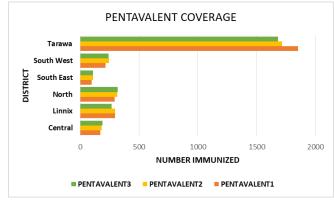


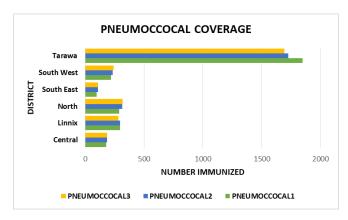












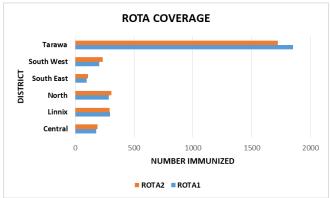


Figure 14: Immunization coverage (Children <1yr): district breakdowns

Table 33: Immunization Overview (Children <1yr)*

Vaccina tuna		Month											Total
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
HepB (<24hrs)	231	205	229	217	254	242	254	291	265	273	245	269	2,975
HepB (>=24hrs)	2	9	6	4	4	6	8	4	9	2	2	7	63
BCG	241	192	221	220	255	242	256	292	251	273	245	266	2,954
Failed BCG (no scar)	2	15	6	5	4	9	11	5	12	2	2	11	86
Pentavalent1	262	210	224	191	247	233	210	307	260	294	260	225	2,923
Pentavalent2	222	233	223	216	212	225	229	261	259	265	297	224	2,866
Pentavalent3	232	206	220	196	245	197	216	269	224	293	271	236	2,805
IPV	220	211	206	184	230	195	215	262	223	261	268	231	2,706
Rota1	260	218	222	190	239	231	207	300	263	300	264	222	2,916
Rota2	228	245	227	204	190	211	239	260	252	270	306	221	2,853
Pneumococcal1	261	204	231	188	244	232	211	303	266	286	276	224	2,926
Pneumococcal2	234	230	221	208	206	229	228	267	264	264	297	220	2,868
Pneumococcal3	233	209	232	187	246	186	216	269	239	289	291	237	2,834
OPV1	264	208	224	183	238	218	223	305	273	290	264	221	2,911
OPV2	237	222	226	209	204	215	222	262	256	277	291	218	2,839
OPV3	223	208	225	195	227	180	215	259	249	301	283	238	2,803
MR1	219	198	181	142	234	210	235	260	195	218	245	187	2,524

Vaccina tuna		Month										Total	
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
MR2 (All class 1)	2	41	17	254	216	251	227	79	288	337	157	5	1,874
DPT4 (All class 1)			14	113		133	114	133	354	246	197		1,304
TT5 (Form 1 girls)		8		0	20	105	26	44	41	323	110		671

Table 35: Immunization Overview (>15yrs)

Vaccina tuna	Month										Total		
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
TT6 (1st pregnancy)	81	51	75	52	76	73	75	94	81	61	59	51	765
TT7 (2nd pregnancy)	50	57	38	37	50	55	60	70	56	48	49	38	550
TT8 (subsequent pregnancy)	106	89	88	93	75	87	93	113	89	87	95	72	987

Table 36: Immunization Overview (Others)

				Month								Total			
	Category	Sex	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	6 - <= 12 mths		17	5	141	59	143	95	84	21	83	358	406	175	1,587
Vit A (prophylaxis)	1 - <= 5 yr		243	43	1,542	536	1,287	875	688	191	777	3,190	2,958	1,236	13,566
Mothers P/partum					0						7			7	
	1 vr	Male		2	260	77	159	83	116	13	65	349	425	301	1,850
	1 yr	Female		5	228	75	165	75	103	13	48	339	381	263	1,695
	2 - 5 yr	Male	100	24	843	297	601	359	246	32	401	1,343	1,093	945	6,284
Deworming		Female	85	18	836	280	499	378	242	34	358	1,206	1,144	1,016	6,096
Deworming	6 - 14 yr	Male	232	40	1,666	535	874	748	853	191	962	2,338	2,365	1,496	12,300
		Female	181	30	1,701	521	939	784	768	168	853	2,311	2,387	1,501	12,144
	15 - 45 yr	Male	96		286	0	25	255		98	26	219	8	378	1,391
	13 - 43 yı	Female	313	49	4,253	1,006	1,961	1,421	1,575	274	1,479	4,618	4,353	2,920	24,222
Exclusive breastfeeding	0 - <= 6 mths		791	792	786	704	844	816	818	821	693	830	803	827	9,525

Table 37: Immunization Overview for TCH ((Children <1yr)
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Vaccina tura	Month									Total			
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Hepatitis B													
Vaccinated <24hrs after birth	135	123	120	126	137	125	156	154	138	144	134	168	1,660
Vaccinated >24hrs after birth	1	6	0	1	0	3	3	1	3	0	1	4	23
Not given													
Total	136	129	120	127	137	128	159	155	141	144	135	172	1,683
BCG													
Given	135	123	120	126	137	125	156	154	138	144	134	168	1,660
Not given	1	6	0	1	0	3	3	1	3	0	1	4	23
Total	136	129	120	127	137	128	159	155	141	144	135	172	1,683

Source: KHIS as of 31.12.2017

10. Birth information: TCH

Table 38: Birth outcomes according to mode of delivery at TCH

Made of Delivery	_	Outcome						
Mode of Delivery	_	Live birth	Stillbirth	Sub Total				
Normal		1,412	38	1,450				
Caesarean Section		267	7	274				
Forceps		2		2				
Other		2		2				
	Grand Total	1,683	45	1,728				

Source: KHIS as of 31.12.2017

Table 39: Births outcomes according to type of delivery at TCH

- C.I.II		Outc	Sub Total	
Type of delivery	•	Live birth	Stillbirth	
Vertex		1,655	44	1,699
Breech	-	25	1	26
Face		3		3
	Grand Total	1,683	45	1,728

Source: KHIS as of 31.12.2017

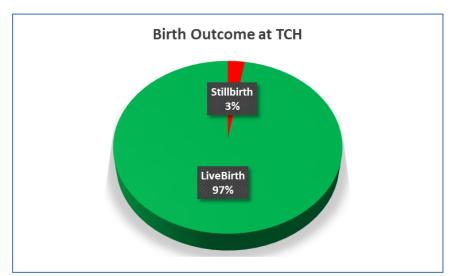


Figure 15: Birth outcome at TCH

11. Birth information: Island Hospitals, Health Centers and Clinics. (Excluding TCH births)

Table 40: Birth outcomes reported from island Health Centers and clinics*

Outcome		Number
Live birth	-	1,386
Stillbirth		28
Miscarriage		1
Outcome unrecorded		
	Grand Total	1,415

^{*}Data extracted from MS1 as at 31.12.2017

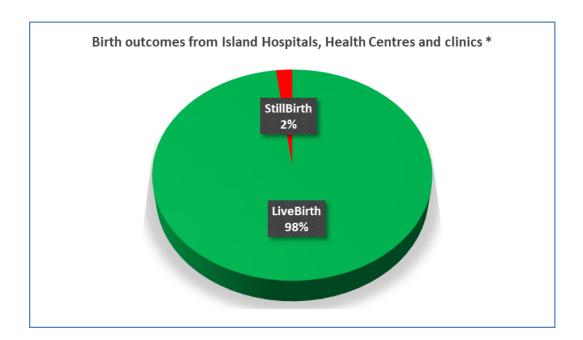


Figure 16: Birth outcomes reported from island Health Centres and clinics *excluding TCH

Table 41: Deliveries at Island Hospital, Health Centers and clinics

	_	Total No. o			
		HC/Clinics	Hospital	Sub Total	
Abaiang	-	83	-	83	
Abemama		54		54	
Aranuka		6		6	
Arorae		9		9	
Banaba		7		7	
Beru		26		26	
BTC		32	435	467	
Butaritari		61		61	
Kiritimati		8	179	187	
Kuria		16		16	
Maiana		15		15	
Makin		22		22	
Marakei		50		50	
Nikunau		21		21	
Nonouti		63		63	
Onotoa		21		21	
Tab North		8	74	82	
Tab South		15		15	
Tabuaeran (Fanning)		37		37	
Tamana		8		8	
Tarawa North		70		70	
Teraina (Washington)		50		50	
TUC		45		45	
	Grand Total	727	688	1,415	

12. Birth information: District Breakdown

Table 42: Births according to districts* Count of First Name (Mother) **District** No. of Births Central Linnix 3% Central 91 8% North Linnix 274 **South East** 2% uth West Northern 216 6% South Eastern 64 Tarawa & South Western 181 Banaba 74% Tarawa & Banaba 2,317 **Grand Total** 3,143

Source: KHIS & MS1 as at 31.12.2017 Figure 17: Births according to districts

13. Country birth information

Adolescent birth rate for 10-14 years: Probability of giving birth between the age 10-14 years in a given year (per 1,000 girls age 10-14 years): 1.8

A	Adolescent birth rate (10-14 years) =	te Total number of births in age group 10-14 years for the year (9) Total population of girls (10-14 years) (5,136)						
Methodological/System Issues:								
•	2015 census population is used as base population.							
•	Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.							
•	It is likely that the number of deliveries is under-reported.							

Adolescent birth rate for 15-19 years: Probability of giving birth between the age 15-19 years in a given year (per 1,000 girls age 15-19 years):

Adolescent birth rate	Total number of births in age group 15-19 years for the year (263)	V 1 000						
(15-19 years) =	Total population of girls (15-19 years) (5,824)	X 1,000						
Methodological/System Issues:								
2015 census population is used as base population.								
Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.								
It is likely that the number of deliveries is under-reported.								
2015 cansus nonulation is used as base nonulation								

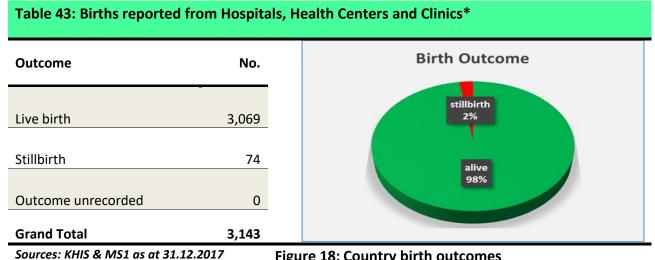


Figure 18: Country birth outcomes

14. Non Communicable Disease (NCD) burden

Diabetes: Occasion of service of diabetic cases to health facilities, confirmed or suspected: **162**

% of Diabetes = Number of people presenting to health facilities with Diabetes (17,820)

Total population (110,136)

X 1,000

Methodological/System Issues:

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting and/or multiple counting.
- 1st and revisits for diabetic cases over the total population
- Strengthened and timely reporting of MS1 would contribute to more accurate figures

Hypertension: Occasion of service of hypertension cases to health facilities, confirmed or suspected: **147**

% of Hypertension = Number of people presenting to health facilities with Hypertension (16,203)

X 1,000

Total population (110,136)

- Data for 2017 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting and/or multiple counting.
- 1st and revisits for hypertension cases over the total population
- Strengthened and timely reporting of MS1 would contribute to more accurate figures

Table 44: NCD burden in Island Health Centers and Village Clinics

NCD	Patient registration & visit	Month										T-4-1		
NCD		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypertension	Patients registered	2,264	2,518	2,588	2,528	2,505	2,575	2,603	2,462	2,737	2,860	2,892	2,297	2,297
	1 st Visit + Revisits	1,435	1,292	1,426	1,165	1,548	1,397	1,282	1,334	1,362	1,424	1,459	1,079	16,203
Diabetes	Patients registered	2,490	2,651	2,725	2,615	2,584	2,569	2,735	2,518	2,881	2,906	3,020	2,305	2,305
	1 st Visit + Revisits	1,531	1,446	1,594	1,285	1,521	1,616	1,521	1,421	1,535	1,518	1,641	1,191	17,820
Mental illnesses	Patients registered	62	65	59	60	58	61	63	64	71	68	69	43	43
	1 st Visit + Revisits	28	17	28	30	28	33	25	27	43	40	37	45	381

15. Tuberculosis burden

Tuberculosis case notification rate: The number of bacteriologically confirmed (new and relapse) tuberculosis cases in a given year (per 100,000 population): **353.2**

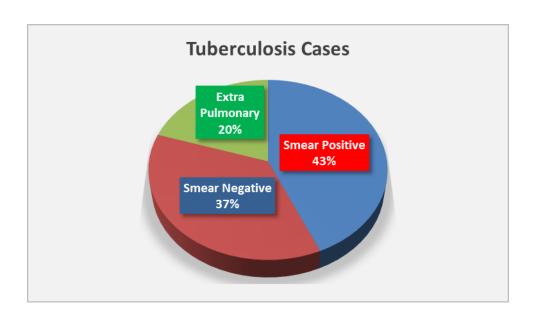
Tuberculosis case notification rate = Number of bacteriologically confirmed (new & relapse) TB cases (389)

Total Population (110,136)

Methodological/System Issues:

2015 census population is used as the base population

Data for 2017 has been sourced form MS1 (from TB reports only)



Strengthened and timely reporting of MS1 would contribute to more accurate figures

Figure 19: Tuberculosis case notifications (new & relapsed) for 2016

Strengthened and timely reporting of MS1 would contribute to more accurate figures.

Tuberculosis treatment success rate: Percentage of new, bacteriologically confirmed smear-positive tuberculosis cases that were cured or in which a full course of treatment was completed: **89.9**

Tuberculosis treatment	Treatment completed + cured TB cases (460)	X 100						
success rate =	Number of (new + relapsed) TB cases registered for the year (517)	X 100						
Methodological/System Issu	es:							
There is a one year lag in	reporting for TB treatment success rate							
Data on treatment comp	oleted/Cured TB Cases (for 2016) were sourced form National Tb control progra	m						
Data for 2016 has been s	Data for 2016 has been sourced from the MS1 (from TB reports only)							

Table 45:	Tubercul	losis Re	eporting
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Tuno	Catagomi						Month							Total
Туре	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
	New Cases	16	15	11	14	16	14	15	11	12	12	14	9	159
	Retreatment	3		1		4		1				1		10
Smear Positive	Defaulted													
	Fail													
	New Cases	12	18	12	5	12	5	21	7	5	11	12	19	139
Smear Negative	Retreatment									1			2	3
	New Cases	5	7	3	4	5	4	15	6	3	8	7	7	74
Extra Pulmonary	Retreatment	1				1							2	4

Source: MS1 as at 31.12.2017

16. Leprosy burden

Table 46: Leprosy Reporting

Tuno		Catagory						Month							Total
Туре		Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	Adult	Continuers from last month	74	73	72	77	85	81	88	93	98	109	107	109	1,066
		New clients	1		5	8	1	7	5	5	9	3	2	19	65
		Restart													
		Discontinuers	2	1			1								4
		Lost contact													
МВ		Continuers at end of month	73	72	77	85	88	88	93	98	109	107	109	123	1,122
IVID	Child	Continuers from last month	12	12	13	13	12	15	16	16	16	16	17	20	178
		New clients	1	1			3	1				1	3		10
		Restart													
		Discontinuers	1			1									2
		Lost contact													
		Continuers at end of month	12	13	13	12	16	16	16	16	16	17	20	18	185
	Adult	Continuers from last month	62	68	76	77	56	64	74	80	88	93	91	97	926
		New clients	8	10	1	7	8	7	6	8	8	6	7	6	82
		Restart						3							3
		Discontinuers	2	2		28	4								36
		Lost contact													
		Continuers at end of month	68	76	77	56	65	74	80	88	93	91	97	101	966
РВ	Child	Continuers from last month	49	53	56	56	36	39	52	53	55	57	56	59	621
		New clients	4	3	1	1	3	11	1	2	1	2	5	4	38
		Restart						2							2
		Discontinuers			1	21	2								24
		Lost contact													
		Continuers at end of month	53	56	56	36	37	52	53	55	57	56	59	62	632

Source: MS1 as at 31.12.2017

Births and Deaths trend 2011-2017

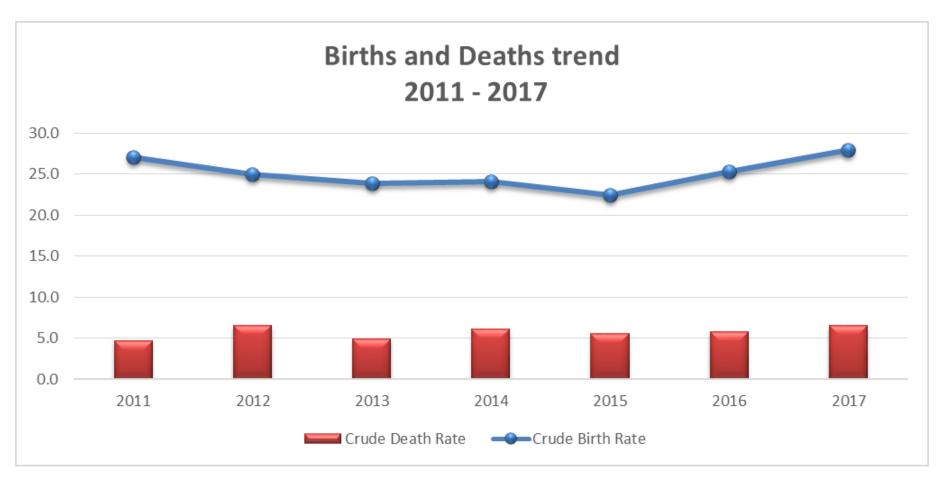


Figure 20: Births and deaths trend 2011 to 2017

Indicator tracker 2015 - 2017

Indicator Tracker	2015	2016	2017	Δ
Total Population	103,058	110,136	110,136	\Leftrightarrow
Crude Birth Rate	20	25.2	27.9	\uparrow
Crude Death Rate	5.9	5.8	6.5	\uparrow
Life Expectancy at Birth	75.1	68.9	66.6	\downarrow
Land Area (klm2)	811	726	726	\Leftrightarrow
Neonatal Mortality Rate	10.2	14	11.1	\downarrow
Infant Mortality Rate	32.4	32.6	26.4	\downarrow
Under-five Mortality Rate	59.1	52.4	44	\downarrow
Maternal Mortality Rate	193.6	179	32.6	\downarrow
Adult mortality rate from NCDs	45.9	43.4	55.9	\uparrow
Mortality rate from road traffic injuries	1.9	1.8	10.9	\uparrow
Adolescent birth rate for 10-14 years	3.4	0	1.8	\uparrow
Adolescent birth rate for 15-19 years	33.1	37	45.2	\uparrow
Contraceptive use	531.2	336	264.6	\downarrow
Access to antenatal care	5.4	3.8	4	\uparrow
Percentage of pregnant mothers received at least one home visit by PHN	15.2	15.2	10.4	\downarrow
Percentage of Low Birth Weight	6.2	5.6	7.2	\uparrow
Malnourished children <5 years	5.7	6.2	5	\downarrow
Tuberculosis case notification rate	421.1	470	353.2	\downarrow
Tuberculosis treatment success rate	79.7	90	88.9	\downarrow
Number of Leprosy cases (new and relapses)	162	241	200	\downarrow
Acute respiratory infection (ARI) in children treated at Tungaru Central Hospital	11.3	14.4	15.9	î
Children immunized against measles	89.2	82.9	92.2	\uparrow
Diabetes - Occasions of Service	129	150	162	Π
Hypertension - Occasions of Service	123	145	147	\uparrow
Outpatient consultations per capita	5.2	4.9	4.8	\Leftrightarrow
Outpatient consultations per capita for Tungaru Central Hospital (TCH)	0.1	0.1	0.3	\uparrow
Tungaru Central Hospital (patient discharges)	96.1	104.8	104.8	\Leftrightarrow
Tungaru Central Hospital (bed occupancy)	102.8	83.4	85.3	\uparrow
Tungaru Central Hospital (average length-of-stay)	9.5	7.2	6.5	\downarrow

Number of Hospital Beds per 1,000 population	1.7	1.9	1.9	\Leftrightarrow
Availability of Medical Officers	4.7	4.7	6	\uparrow
Population per Medical Officer	2,454	2,248	1,669	\downarrow
Availability of Dental Surgeons	0.6	0.5	0.5	\Leftrightarrow
Population per Dental Surgeon	17,176	18,356	18,356	\uparrow
Availability of Medical Assistants	3.8	3.2	3.7	\uparrow
Population per Medical Assistant	2,463	3,147	2,686	\downarrow
Availability of Nurses	20.2	31.8	34.8	\uparrow
Population per Nurse	495.5	315	287.6	\downarrow
Availability of Midwives	10.2	7	6.8	\downarrow
Population per Midwife	982	1,430	1,469	\Leftrightarrow
Number of Pharmacists available	5	5	5	\Leftrightarrow
Number of Physiotherapists available	3	3	3	\Leftrightarrow
Number of Hospitals	4	4	4	\Leftrightarrow
Number of Health Centers	21	22	22	\uparrow
Number of Village Clinics	81	82	84	\uparrow
Number of Hospital Beds	172	205	205	\Leftrightarrow

Monthly reports submitted in 2017

10101	' '												
Island	Health Center	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Makin	MAKIN	15-02-17	15-03-17	14-04-17	12-05-17	15-06-17	11-07-17	09-08-17	07-09-17	14-10-17	15-11-17	21-12-17	16-01-18
	ANRAWA	15-02-17	15-03-17	14-04-17	09-05-17	05-06-17	05-09-17	11-08-17	15-09-17	29-01-18	15-11-17	14-12-17	18-01-18
	KIEBU	12-05-17	12-05-17	12-05-17	12-05-17	14-06-17	04-08-17	09-08-17	14-09-17	29-01-18	15-11-17	12-12-17	16-01-18
Butaritari	BUTARITARI	13-02-17	08-03-17	12-04-17	11-05-17	15-06-17	11-07-17	15-08-17	11-09-17	12-10-17	14-11-17	13-12-17	11-01-18
	KUMA	13-02-17	08-03-17	12-04-17	11-05-17	07-06-17	11-07-17	15-08-17	11-09-17	10-10-17	09-11-17	13-12-17	11-01-18
	NAKIRORO	13-02-17	08-03-17	12-04-17	11-05-17	07-06-17	11-07-17	15-08-17	15-09-17	10-10-17	01-12-17	13-12-17	11-01-18
	TEKANANUEA	13-02-17	08-03-17	12-04-17	11-05-17	15-06-17	15-07-17	15-08-17	07-09-17	10-10-17	09-11-17	13-12-17	11-01-18
	TANIMAIAKI(Butaritari)	13-02-17	08-03-17	12-04-17	11-05-17	07-06-17	11-07-17	15-08-17	15-09-17	10-10-17	09-11-17	13-12-17	12-01-18
	UKIANGANG	13-02-17	06-03-17	12-04-17	12-05-17	07-06-17	11-07-17	15-08-17	11-09-17	10-10-17	09-11-17	13-12-17	11-01-18
	BIKATI	13-02-17	08-03-17	07-04-17	08-05-17	15-06-17	11-07-17	15-08-17	15-09-17	10-10-17	09-11-17	13-12-17	11-01-18
	KEUEA	13-02-17	08-03-17	12-04-17	11-05-17	15-06-17	11-07-17	15-08-17	07-09-17	10-10-17	12-11-17	13-12-17	11-01-18
Marakei	RAWANNAWI	13-02-17	08-03-17	14-06-17	15-05-17	15-06-17	10-07-17	03-08-17	11-09-17	10-10-17	08-11-17	13-12-17	30-01-18
	TEKARAKAN	13-02-17	08-03-17	07-04-17	15-05-17	15-06-17	10-07-17	03-08-17	11-09-17	10-10-17	08-11-17	13-12-17	30-01-18
	BAINUEA	13-02-17	08-03-17	15-04-17	15-05-17	15-06-17	10-07-17	09-08-17	11-09-17	10-10-17	08-11-17	13-12-17	30-01-18
	TERAWARAWA	13-02-17	08-03-17	15-04-17	15-05-17	15-06-17	10-07-17	03-08-17	11-09-17	10-10-17	09-11-17	13-12-17	30-01-18
	RAWEAI	13-02-17	08-03-17	07-04-17	15-05-17	15-06-17	10-07-17	09-08-17	11-09-17	10-10-17	08-11-17	13-12-17	12-01-18
Abaiang	TABURAO	13-02-17	15-03-17	14-04-17	15-05-17	27-07-17	24-07-17	15-08-17	14-09-17	09-10-17	15-11-17	23-01-18	15-01-18
	NUOTAEA	13-02-17	09-03-17	15-08-17	15-08-17	15-08-17	24-07-17	15-08-17	14-08-17	09-10-17	23-01-18	23-01-18	24-02-18
	TANIAU	13-02-17	15-03-17	15-08-17	15-05-17	15-06-17	24-07-17	15-08-17	14-08-17	09-10-17	15-11-17	05-12-17	18-01-18
	RIBONO	13-02-17	09-03-17	15-04-17	15-05-17	15-08-17	24-07-17	15-08-17	14-08-17	10-10-17	23-01-18	23-01-18	15-01-18
	TEBUNGINAKO	13-02-17	15-03-17	15-04-17	15-05-17	27-07-17	27-07-17	15-08-17	14-08-17	12-10-17	14-11-17	23-01-18	15-01-18
	KOINAWA	13-02-17	15-03-17	14-04-17	15-05-17	27-07-17	27-07-17	15-08-17	14-08-17	09-10-17	15-11-17	23-01-18	15-01-18
	TANIMAIAKI(Abaiang)	13-02-17	15-03-17	14-04-17	15-05-17	24-07-17	24-07-17	15-08-17	14-09-17	12-10-17	15-11-17	23-01-18	15-01-18
													

	UBWARANO	13-02-17	09-03-17	14-04-17	15-05-17	27-07-17	24-07-17	15-08-17	14-09-17	12-10-17	15-11-17	23-01-18	15-01-18
	TUARABU	13-02-17	15-03-17	14-04-17	15-05-17	02-08-17	10-07-17	15-08-17	14-09-17	12-10-17	15-11-17	23-01-18	15-01-18
Tarawa North	ABAOKORO	15-02-17	15-03-17	15-04-17	15-05-17	12-06-17	07-07-17	15-08-17	08-09-17	09-10-17	07-10-17	06-12-17	08-01-18
	TEARINIBAI	08-02-17	07-03-17	07-04-17	08-05-17	15-08-17	15-07-17	15-08-17	08-09-17	10-10-17	07-11-17	13-12-17	01-01-18
	BUARIKI(Tarawa.N)	13-02-17	15-03-17	15-04-17	15-05-17	13-06-17	15-07-17	15-08-17	15-09-17	13-11-17	14-11-17	05-12-17	16-01-18
	TARATAI	07-02-17	01-03-17	07-04-17	15-05-17	12-06-17	10-07-17	15-08-17	15-09-17	10-10-17	07-11-17	13-12-17	08-01-18
	TABITEUEA	12-02-17	15-03-17	13-04-17	02-05-17	02-06-17	03-07-17	02-08-17	15-09-17	13-10-17	15-11-17	15-12-17	15-01-18
	NABEINA	14-02-17	09-03-17	28-04-17	15-05-17	15-06-17	11-07-17	09-08-17	12-09-17	13-10-17	28-11-17	19-02-18	19-02-18
	TABONIBARA	15-02-17	15-06-17	15-06-17	15-06-17	15-06-17	31-07-17	07-09-17	14-09-17	13-10-17	13-11-17	20-12-17	17-01-18
	NOTOUE	New Clinic	New Clinic	New Clinic	New Clinic	New Clinic	03-08-17	21-08-17	15-09-17	27-10-17	01-03-18	01-03-18	15-02-18
TUC	TCH-OPD		14-03-17	12-04-17	15-05-17	13-06-17	14-07-17	15-08-17	15-09-17	15-09-17	14-11-17	15-12-17	19-01-18
	BUOTA(TUC)	06-02-17	08-03-17	11-04-17	10-05-17	12-06-17	10-07-17	09-08-17	06-09-17	10-10-17	10-11-17	14-12-17	12-01-18
	BONRIKI	02-02-17	08-03-17	12-04-17	10-05-17	12-06-17	10-07-17	09-08-17	06-09-17	04-10-17	10-11-17	14-12-17	12-01-18
	TEMWAIKU	15-03-17	15-03-17	12-04-17	12-05-17	15-06-17	15-07-17	15-08-17	15-09-17	12-10-17	14-11-17	27-02-18	15-01-18
	BIK.E	15-02-17	13-03-17	08-04-17	15-05-17	15-06-17	15-07-17	04-08-17	06-09-17	13-10-17	15-11-17	15-12-17	15-01-18
	BIK.W	06-02-17	13-03-17	05-04-17	02-05-17	01-06-17	04-07-17	09-08-17	01-09-17	02-10-17	03-11-17	05-12-17	05-01-18
	EITA	13-02-17	15-03-16	08-05-17	15-05-17	12-06-17	10-06-17	15-08-17	13-09-17	09-10-17	15-11-17	15-12-17	15-01-18
	AMBO	14-02-17	14-03-17	12-04-17	05-05-17	15-06-17	15-06-17	10-08-17	15-09-17	15-10-17	15-11-17	15-12-17	12-01-18
	BANRAEABA	09-02-17	13-03-17	11-04-17	11-05-17	14-06-17	11-07-17	15-08-17	04-09-17	13-10-17	06-11-17	13-12-17	11-01-18
	TEAORAEREKE	10-02-17	15-04-17	07-04-17	05-05-17	08-05-17	13-07-17	04-08-17	05-09-17	04-10-17	10-11-17	13-12-17	12-01-18
	NANIKAI	13-02-17	13-03-17	12-04-17	10-05-17	05-06-17	15-07-17	09-08-17	06-09-17	04-10-17	10-11-17	06-12-17	10-01-18
	BAIRIKI	03-02-17	15-03-17	13-04-17	08-05-17	02-06-17	07-07-17	08-08-17	01-09-17	05-10-17	11-11-17	05-12-17	05-01-18
ВТС	BETIO HOSP	10-02-17	03-03-17	11-04-17	15-05-17	06-06-17	15-07-17	15-08-17	12-09-17	16-10-17	14-11-17		27-02-18
	TEMANOKU(BTC)	14-02-17	15-03-17	18-04-17	24-05-17	15-06-17	22-08-17	15-08-17	14-09-17	10-10-17	15-11-17	15-12-17	15-01-18
	TAKORONGA	02-02-17	06-03-17	03-04-17	01-05-17	02-06-17	03-07-17	09-08-17	01-09-17	02-10-17	08-11-17	04-12-17	08-01-18

	TEMAKIN	09-02-17	15-03-17	12-04-17	15-05-17	05-06-17	07-07-17	09-08-17	06-09-17	13-10-17	15-11-17	15-12-17	12-01-18
Banaba	BANABA	14-02-17	08-03-17	13-04-17	09-06-17	14-06-17	10-06-17	10-08-17	11-09-17	09-10-17	16-11-17	10-01-18	10-01-18
Maiana	TABONTEKEKE	15-03-17	15-03-17	02-08-17	02-08-17	02-08-17	02-08-17	11-08-17	14-09-17	15-12-17	15-12-17	15-12-17	11-01-18
	TEKARANGA	15-03-17	15-03-17	15-04-17	02-08-17	02-08-17	15-08-17	11-08-17	15-09-17	15-12-17	15-12-17	15-12-17	21-02-18
	BUBUTEI	15-02-17	15-03-17	14-04-17	22-05-17	17-07-17	15-07-17	15-08-17	15-09-17	15-12-17	29-01-18	15-12-17	29-01-18
	TEBIKERAI	15-02-17	15-03-17	11-04-17	10-05-17	14-06-17	02-08-17	15-08-17	14-09-17	14-10-17	14-11-17	15-12-17	11-01-18
	TANIMAEAO	15-02-17	15-03-17	24-04-17	09-05-17	02-08-17	02-08-17	15-08-17	15-09-17	15-12-17	15-12-17	15-12-17	11-01-18
Kuria	KURIA	13-02-17	15-03-17	14-04-17	15-05-17	15-06-17	15-07-17	09-08-17	08-09-17	09-10-17	12-11-17	15-12-17	15-01-18
	ONEKE	13-02-17	15-03-17	14-04-17	15-05-17	15-06-17	15-07-17	11-08-17	15-09-17	09-10-17	12-11-17	29-12-17	15-01-18
Aranuka	ARANUKA	15-02-17	07-03-17	10-04-17	10-05-17	17-07-17	10-07-17	09-08-17	15-08-17	09-10-17	07-11-17	16-01-18	09-01-18
	TAKAEANG	15-02-17	08-03-17	10-04-17	09-05-17	17-07-17	21-08-17	09-08-17	15-09-17	03-10-17	07-11-17	16-01-18	08-01-18
	BAURUA	01-02-17	08-03-17	10-04-17	09-05-17	09-06-17	07-07-17	02-08-17	06-09-17	09-10-17	14-11-17	16-01-18	03-01-18
Abemama	KARIATEBIKE	13-02-17	08-03-17	10-04-17	05-05-17	15-08-17	15-07-17	15-08-17	06-09-17	09-10-17	14-11-17	19-12-17	10-01-18
	ABATIKU	13-02-17	01-05-17	12-04-17	01-05-17	07-06-17	15-07-17	15-08-17	15-09-17	09-10-17	14-11-17	19-12-17	10-01-18
	TABIANG	13-02-17	08-03-17	10-04-17	05-05-17	07-06-17	15-07-17	15-08-17	11-09-17	09-10-17	14-11-17	27-12-17	19-01-18
	TEKATIRIRAKE	13-02-17	08-03-17	10-04-17	15-05-17	07-06-17	10-07-17	15-08-17	06-09-17	09-10-17	14-11-17	19-12-17	10-01-18
	BARETOA	13-02-17	13-03-17	14-05-17	15-05-17	15-08-17	15-07-17	15-08-17	06-09-17	12-10-17	14-11-17	19-12-17	10-01-18
	KABANGAKI	13-02-17	08-03-17	10-04-17	14-05-17	15-08-17	07-07-17	15-08-17	04-09-17	03-10-17	14-11-17	12-12-17	11-01-18
	TEBWANGA	New Clinic	New Clinic	New Clinic	New Clinic	New Clinic	New Clinic	15-08-17	06-09-17	09-10-17	14-11-17	19-12-17	19-02-18
Nonouti	TEBOBONGA	13-02-17	15-03-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	15-09-17	15-10-17	13-11-17	08-12-17	12-01-18
	ТЕМОТИ	13-02-17	15-03-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	15-09-17	15-10-17	13-10-17	12-12-17	12-01-18
	TEUABU	13-02-17	15-03-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	15-09-17	15-10-17	15-11-17	29-12-17	12-01-18
	ABAMAKORO	13-02-17	15-03-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	15-09-17	15-10-17	13-11-17	08-12-17	12-01-18
	MATABOOU	13-02-17	12-06-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	14-09-17	13-10-17	13-11-17	08-12-17	12-02-18
	ROTIMWA	13-02-17	15-03-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	15-09-17	15-10-17	13-11-17	08-12-17	12-01-18

	TABOIAKI	13-02-17	15-04-17	14-04-17	09-05-17	01-06-17	07-07-17	15-08-17	14-09-17	13-09-17	15-11-17	08-12-17	12-01-18
	TEMANOKU(Nonouti)	13-02-17	15-03-17	11-04-17	09-05-17	01-06-17	07-07-17	15-08-17	15-09-17	15-10-17	13-11-17	08-12-17	12-01-18
Tab North	SKH	15-02-18	14-03-17	12-04-17	15-05-17	15-05-17	15-08-17	15-08-17	15-09-17	13-10-17		15-02-18	12-01-18
	UTIROA	13-02-17	13-03-17	14-04-17	15-05-17	15-06-17	03-08-17	15-08-17	14-09-14	13-09-17	15-11-17	13-12-17	12-01-18
	TANAEANG	13-02-17	14-03-17	14-04-17	15-05-17	15-06-17	03-08-17	14-08-17	14-09-17	15-10-17	15-11-17	13-12-17	12-01-18
	BUOTA(Tab.N)	13-02-17	13-03-17	14-04-17	15-05-17	15-06-17	03-08-17	15-08-17	14-09-17	09-10-17	15-11-17	15-12-17	12-01-18
	TENATORUA	15-03-17	14-03-17	14-04-17	15-05-17	15-06-17	03-08-17	15-08-17	14-09-17	13-09-17	15-11-17	13-12-17	12-01-18
	AIWA	14-01-17	08-03-17	14-04-17	15-05-17	05-06-17	03-08-17	15-08-17	14-09-17	13-09-17	15-11-17	15-12-17	12-01-18
	TEKABUIBUI	13-02-17	05-07-17	14-04-17	15-05-17	15-06-17	03-08-17	14-08-17	14-09-17	13-09-17	15-11-17	13-12-17	12-01-18
	KABUNA	13-02-17	13-03-17	14-04-17	15-05-17	15-06-17	03-08-17	15-08-17	14-09-17	13-09-17	15-11-17	13-12-17	12-01-18
	TAUMA	13-02-17	03-08-17	14-04-17	05-07-17	15-06-17	03-08-17	15-08-17	14-09-15	13-09-17	15-11-17	13-12-17	12-01-18
Tab South	BUARIKI(Tab.S)	14-02-17	14-03-17	15-04-17	11-05-17	07-06-17	10-06-17	09-08-17	14-09-17	09-10-17	15-11-17	15-12-17	12-01-18
	TEWAI	14-02-17	14-03-17	14-04-17	11-05-17	07-06-17	10-06-17	08-08-17	15-09-17	09-10-17	17-11-17	21-12-17	18-01-18
	TAKU	03-03-17	13-03-17	14-04-17	09-05-17	09-06-17	10-06-17	08-08-17	07-09-17	09-10-17	15-11-17	15-12-17	18-01-18
Onotoa	BURAITAN	13-02-17	08-03-17	12-04-17	10-05-17	02-06-17	07-07-17	15-08-17	15-09-17	06-10-17	14-11-17	15-12-17	15-01-18
	AIAKI	13-02-17	08-03-17	12-04-17	10-05-17	02-06-17	06-07-17	15-08-17	15-09-17	14-10-17	11-11-17	15-12-17	15-01-18
	TABUARORAE	13-02-17	08-03-17	03-04-17	10-05-17	02-06-17	15-07-17	15-08-17	15-09-17	14-10-17	04-11-17	15-12-17	15-01-18
	TEKATANA	13-02-17	08-03-17	03-04-17	10-05-17	02-06-17	07-07-17	15-08-17	15-09-17	14-10-17	14-11-17	15-12-17	15-01-18
	OTOAE	13-02-17	08-03-17	12-04-17	10-05-17	02-06-17	03-08-17	15-08-17	14-09-17	14-10-17	14-11-17	15-12-17	15-01-18
Beru	TEMARA	13-02-17	13-03-17	12-04-17	12-06-17	12-06-17	11-07-17	15-08-17	10-11-17	05-10-17	10-11-17	12-12-17	
	NAMON	13-02-17	13-03-17	12-04-17	12-06-17	12-06-17	15-07-17	15-08-17	14-09-17	12-10-17	13-11-17	13-12-17	12-01-18
	AONNATI	13-02-17	13-03-17	12-04-17	12-06-17	12-06-17	11-07-17	15-08-17	14-09-17	05-10-17	10-11-17	14-12-17	15-01-18
Nikunau	MWANRUNGA	15-02-17	14-03-17	11-04-17	09-05-17	15-06-17	11-07-17	11-08-17	15-09-17	09-10-17	09-11-17	13-12-17	12-02-18
	MURITOA	15-02-17	14-03-17	11-04-17	09-05-17	15-06-17	11-07-17	11-08-17	14-09-17	09-10-17	09-11-17	13-12-17	12-02-18
	NIKUMATANG	15-02-17	13-03-17	11-04-17	09-04-17	15-06-17	11-07-17	11-08-17	14-09-17	13-10-17	09-11-17	13-12-17	12-02-18

Tamana	MOTOIA	13-01-17	10-03-17	12-04-17	10-05-17	14-06-17	15-07-17	11-08-17	15-09-17	11-10-17	16-11-17	08-12-17	15-01-18
Arorae	TARIBO	13-02-17	06-03-17	12-04-17	15-05-17	24-07-17	15-07-17	10-08-17	06-09-17	09-10-17	09-11-17	12-12-17	10-01-18
Kiritimati	LONDON HOSP	15-02-17	24-04-17	24-04-17	09-05-17	10-06-17	15-07-17	15-08-17	14-09-17	15-10-17	15-11-17	03-01-18	15-01-18
	BANANA	13-02-17	14-03-17	14-04-17	15-05-17	13-06-17	14-07-17	14-08-17	14-09-17	13-10-17	15-11-17	15-12-17	15-02-18
	POLAND	13-02-17	14-03-16	14-04-17	15-05-17	15-06-17	15-06-17	15-08-17	14-09-17	01-12-17	15-11-17	15-02-18	12-01-18
	TABWAKEA	13-02-17	14-03-17	14-04-17	15-05-17	14-06-17	15-06-17	15-08-17	14-09-17	27-11-17	15-11-17	15-02-18	12-01-18
	LONDON DISP	13-02-17	14-03-17	14-04-17	15-05-17	13-06-17	15-06-17	14-08-17	14-09-17	13-10-17	15-11-17	15-12-17	15-02-18
Tabuaeran(Fanning)	PAELAU	13-02-17	15-03-17	09-05-17	09-05-17	13-06-17	15-07-17	15-08-17	14-09-17	01-12-17	15-11-17	15-12-17	15-02-18
	NAPALI	13-02-17	14-03-17	14-04-17	15-05-17	13-06-17	14-08-17	15-08-17	14-09-17	04-10-17	15-11-17	15-02-18	12-01-18
	ARAMARI	13-02-17	15-03-17	14-04-17	09-05-17	13-06-17	14-08-17	14-08-17	14-09-17	01-12-17	15-11-17	15-12-17	12-01-18
Teraina(Washington)	ARABATA	03-02-17	13-03-17	14-04-17	01-05-17	15-08-17	15-06-17	14-08-17	14-09-17	01-12-17	15-11-17	01-12-17	12-01-18
Kanton	CANTON	13-02-17	15-03-17	14-04-17	15-05-17	13-07-17	13-07-17	08-08-17	04-09-17	04-09-17	15-11-17	15-02-18	12-01-18
Special Clinics	TCH-DIABETIC	14-02-17	15-03-17	05-06-17	05-06-17	05-06-17	04-07-17	09-08-17	21-02-18	21-02-18	21-02-18	21-02-18	21-02-18
	KFHA	10-02-17	15-04-17	04-05-17	15-04-17	15-06-17	10-07-17	07-08-17	05-09-17	13-10-17	07-11-17	15-02-18	03-01-18
	TCH-GYNAE	13-02-17	01-03-17	03-04-17		13-01-18	12-01-18	12-01-18	12-01-18	12-01-18	12-01-18	12-01-18	12-01-18
	TCH-TB	08-03-17	08-03-17	12-04-17	11-07-17	15-06-17	11-07-17	15-08-17	15-09-17	09-10-17	09-11-17	14-12-17	14-01-18
	TCH-ANC	02-06-17	02-06-17	02-06-17	02-06-17	02-06-17	07-07-17	11-08-17					
	TCH-Leprosy	27-06-17	27-06-17	27-06-17	27-06-17	27-06-17	03-08-17	03-08-17	21-12-17	21-12-17	21-12-17	21-12-17	14-02-18
	TCH-IMCI											26-01-18	26-01-18
	HEALTHY FAMILY	15-02-17	10-03-17	06-04-17	15-05-17	15-06-17	15-07-17	15-09-17		23-02-18	23-02-18	23-02-18	23-02-18
	Anaieta Pharmacy	New Clinic	14-03-17	03-04-17	15-05-17								
	Prison	New Clinic	New Clinic	14-09-17	14-09-17	14-09-17	14-09-17	14-09-17	14-09-17	19-10-17	03-11-17	20-12-17	15-02-18

^{*}Green – Received on time

^{*}Yellow – Received late

^{*} Red – Not submitted

Notes			