



Kiribati Annual Health Bulletin 2018

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

Kiribati Annual Health Bulletin 2018

Minister's Foreword

Kam na bane ni mauri!

The Ministry of Health and Medical Services (MHMS) is pleased to publish the Kiribati annual health bulletin 2018.

The publication of this Annual Health Bulletin (NHB) is aimed to make available the data both for policy directions and programmatic interventions through the compilation of health related data collected by the Health Information Unit. It also serves as an important source of information for many stakeholders including various sectors like UN partners, non-government organizations, Ministries within Kiribati, individuals with a keen interest in the nation's health status and many others.

The bulletin contains information on government health sector and presents information on four major areas namely: morbidity, mortality, resource availability, and provision of services. Through this publication health, indicators can be measured to monitor the progress of the ministry towards the strategic objectives which were set through the ministry strategic plan 2016 to 2019. It indicates the progress of the health ministry towards their vision and mission on an annual basis.

My most sincere appreciation is extended to the staff of the Health Information Unit for their dedication and commitment in preparation of the report and all other officials who have given their generous support by making available health data from their respective programs.

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	2018	120,139		Unicef projection
Crude Birth Rate (per 1,000 population)	2018	3,398	28.3	
Crude Death Rate (per 1,000 population)	2018	636	5.3	KHIS & MS1
Life expectancy at hirth (years)	2018	66.6	69.0	WHO, ANACoD 2018
Land area (Sq. km)	2018	71.0 726		National Statistics Office
Health and Nutrition				
Neonatal Mortality Rate (per 1,000 live births)	2018	44	12.9	
Infant Mortality Rate (per 1,000 live births)	2018	96	28.3	
Under-five Mortality Rate (per 1,000 live births)	2018	123	36.2	
Maternal Mortality Rate (per 100,000 live births)	2018	4	117.3	
Adult mortality rate from NCDs (30-69 years) (per 10,000 population	2018	190	44.7	
30-69 years)	2010	130	1 1.7	KHIS & MS1
Mortality rate from road traffic injuries (per 100,000 population)	2018	7	0.6	
Adolescent birth rate for 10-14 years (per 1,000 girls in age group 10-	2018	2	3.4	
14 years)				
Adolescent birth rate for 15-19 years (per 1,000 girls in age group 15-19 years)	2018	117	45.2	
Contraceptive contacts (all forms) seen at health facilities per 1,000	2018	7,596	247.5	
Women age 15-49 yrs. Percentage of pregnant mothers received at least one home visit by	2018	322	9.3	MS1
PHN	2010	322	3.3	
Access to antenatal care	2018	14,025	4.0	
Percentage of Low Birth Weight	2018	244	7.2	KHIS & MS1
Malnourished children <5 years	2018	795	5.7	
Tuberculosis case notification rate (all forms, per 100,000 population)	2018	294	315	MS1
TB treatment success rate	2017	360	91.4	MS1 & TB control program
Number of Leprosy cases (new and relapses)	2018	165		MS1
Acute respiratory infection (ARI) in children treated at Tungaru	2018	190	12.0	KHIS
Central Hospital (TCH)				
Children immunized against measles	2018	2,674	81.6	MS1
Diabetes - Occasions of service (per 1000 population)	2018	14,457	49.7	KHIS & MS1
Hypertension - Occasions of service (per 1000 population)	2018	13,640	46.9	
Outpatient consultations per capita	2018	533,358	5.2	MS1
Outpatient consultations per capita for TCH	2018	40,163	0.3	
Tungaru Central Hospital (patient discharges/week)	2018	5,917	113.8	KHIS
Tungaru Central Hospital (bed occupancy)	2018		98.9	
Tungaru Central Hospital (average length-of-stay)	2018		7.0	_
Health Resources				
Number of Hospital Beds per 1,000 population	2018	205	1.7	KHIS
Availability of Medical Officers	2018	59	4.9	
Population per Medical Officer	2018		2,036.3	
Availability of Dental Surgeons	2018	6	0.5	
Population per Dental Surgeon	2018		20,023.2	
Availability of Medical Assistants	2018	42	3.5	
Population per Medical Assistant	2018		2,860.5	MHMS Admin Division
Availability of Nurses	2018	372	31.0	
Population per Nurse	2018		323	
Availability of Midwives	2018	91	7.6	
Population per Midwife	2018		1,320.2	
Number of Pharmacists available	2018	5		
Number of Physiotherapists available	2018	3		KINC
Number of Hospitals	2018	4		KHIS
Number of Village Clinics	2018	22		MS1
Number of Village Clinics	2018	85		KINC
Number of Hospital Beds	2018	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).

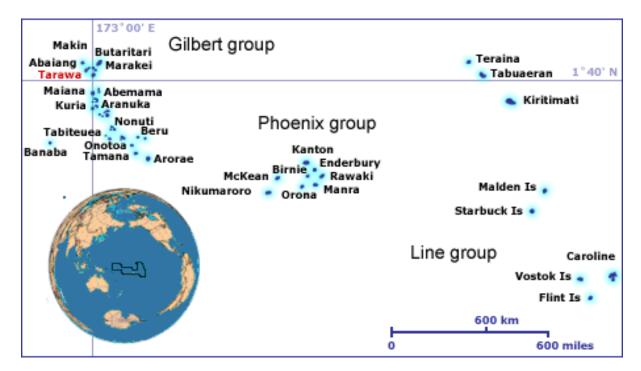


Figure 1: Map of Republic of Kiribati displaying the groups of islands

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 Health 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. Health 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 Health 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; 1 Main referral and 3 district hospitals. TCH as the main referral 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. The 3 district hospitals; 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 86 village clinics. In addition to these health facilities there are 10 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 and Healthy Family Clinic (GBV). 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 2018, the government spent approximately 14.2% of its total recurrent budget on health, a per capita expenditure on Health of AUD \$316 for Kiribati.

2. Key Health Related Indicators with definitions

#	Indicator and Definition	2018
Dem	ographic	
1.	Total population* 2018 Projected population (MHMS, UNICEF)	120,139
2.	Crude Birth Rate (per 1,000 population*) Number of live births per year (per 1,000 population)	28.3
3.	Crude Death Rate (per 1,000 population*) Number of deaths per year (per 1,000 population)	5.3
4.	Life Expectancy at Birth (years) 2017 Annual Report MHMS Female	69.0
5.	Land area (km²) 2015 Census (National Statistics Office)	726
Heal	th and Nutrition	
6.	Neonatal Mortality Rate Probability of dying between birth and age 28 days (per 1,000 live births)	12.9
7.	Infant Mortality Rate Probability of dying between birth and age 1 year (per 1,000 live births)	28.3
8.	Under-five Mortality Rate Probability of dying by age 5 years (per 1,000 live births)	36.2
9.	Maternal Mortality Rate Probability of a female dying due to a maternal cause (per 100,000 live births)	117.7
10.	10. Adult mortality rate from NCDs* Probability of dying between age 30-69 years from NCDs in a given year (per 10,000	
11.	population age 30-69 years) 1. Mortality rate from road traffic injuries* Probability of dying from road traffic injuries in a given year (per 100,000 population)	
12.		
13.	•	
14.	Contraceptive contacts* Total number of contraceptive contacts (all forms) seen at health facilities in one year (per 1,000 women age 15-49 yrs.)	247.5
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		9.3

Table 1	L: (continued) Key Health Related Indicators with definitions	
#	Indicator / Definition	2018
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	5.7
19.	Tuberculosis case notification rate* The number of bacteriologically confirmed (new and relapse) tuberculosis cases in a given year (per 100,000 population)	323.8
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	91.4
21.	Number of Leprosy cases (new and relapses)	165
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)	12.0
23.	Children immunized against measles* Percent of children (aged <1 year) who have received one dose of measles-containing vaccine in one year	81.6
24.	Diabetes Occasion of service for diabetic cases to facilities, confirmed or suspected (per 1000 population)	49.7
25.	Hypertension Occasion of service for hypertension cases to facilities, confirmed or suspected (per 1000 population)	46.9
26.	Outpatient consultations per capita* Number of visits for ambulant care, not including immunizations, for the total population (including repeat visits) per capita	5.2
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	4.4
28.	Tungaru Central Hospital (patient discharges) Weekly average number of patients discharged from all TCH wards in a given year	113.8
29.	Tungaru Central Hospital (bed occupancy) Proportion of available acute inpatient beds that have been occupied over one year	98.9
30.	Tungaru Central Hospital (average length-of-stay) Average number of days patients spend in hospital	7.0

Table 1: (continued) Key Health Related Indicators with definitions			
#	Indicator / Definition	2018	
Healt	h 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)	4.9	
33.	Population per Medical Officer* Population: Medical Officer ratio	2,036.3	
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	20,023.2	
36.	Availability of Medical Assistants* Number of Medical Assistants in a given year (per 10,000 population)	3.5	
37.	Population per Medical Assistant* Population: Medical Assistant ratio	2860.5	
38.	Availability of Nurses* Number of Nurses in a given year (per 10,000 population)	30.9	
39.	Population per Nurse* Population: Nurse ratio	323	
40.	Availability of Midwives* Number of Midwives in a given year (per 10,000 population)	7.6	
41.	Population per Midwife* Population: Midwife ratio	1,320.2	
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	85	
47.	Number of Hospital Beds	205	

3. Demographic Information

Crude Birth Rate: Number of live births per year (per 1,000 population): 28.3

CBR = Number of live births (3,398) Total population (120,139)	X 1,000
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Methodological/System Issues:

- 2018 projected population is used as the base population
- Data for 2017 has been sourced from the KHIS & MS1
- Births with unrecorded outcomes were counted as live births.

Crude Death Rate: Number of deaths per year (per 1,000 population): **5.3**

CDR =	Number of deaths (636) Total population (120,139)	X 1,000
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Methodological/System Issues:

- 2018 projected population is used as the base population
- Data for 2018 has been sourced from the KHIS & MS1
- 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		86
	Total number of health institutions	112

Source: KHIS and MS1 as of 31.12.2018

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 31.12.2018

Number of Hospital Beds per 1,000 population: 1.7

ı	Number of Hospital Beds per	Total number of Hospital Beds available (205)	X 1,000		
	1,000 population =	Total population (120,139)	X 1,000		
Me	Methodological/System Issues:				
•	2018 projected population is used as base population.				
•	Data for 2018 has been sourced from	om the KHIS.			

TCH Bed Occupancy Rate: Proportion of available acute inpatient beds that have been occupied over one year: 98.9

1			
		Total In-patient Service Days (41,173)	
	TCH Bed Occupancy Rate =		X 100
		Total Bed Days (41,610)	

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS
- 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: 7.0

TCH Average Length-of-stay =	Total In-patient Service Days (41,173)	
	Total number of admissions (5,917)	

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS
- Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

Table 4: In-patient da	vs. Bed days	s and Bed occupar	cy rates for TCH
Table 4. III patient at	IVS, Dea aavs	, alia bea becapai	icy rates for refr

Ward	In-patients days	Bed days	Bed occupancy [%]
TCH-Medical	8,012	8,030	99.8
TCH-Surgical	7,542	8,030	93.9
TCH-Paediatric	6,314	9,855	64.1
TCH-Obstetric	14,456	7,665	188.6
TCH-Private	2,369	2,920	81.1
TCH-ICU	2,480	5,110	48.5
Total	41,173	41,610	98.9

Source: KHIS as of 31.12.2018

5. Country Health Manpower

Availability of Medical Officers: Number of Medical Officers (per 10,000 population): 4.9

Medical Officers per 10,000	Total number of Medical Officers enrolled for the year (59)	V 10 000			
population =	Total population (120,139)	X 10,000			
Methodological/System Issues:					
2018 Projected 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: 2,036.3

Population per Medical Officer =	Total population for the year (120,139)	
	Total number of Medical Officers enrolled for the year (59)	
Methodological/System Issues:		
2018 Projected 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):

Dental Surgeons per 10,000 population =	Total number of Dental Surgeons enrolled for the year (6) Total population (120,139)	X 10,000
Methodological/System Issues:		

- 2018 projected population is used as base population.
- Health manpower data for 2018 has been sourced from the Admin division, MHMS.

Population per Dental Surgeon: Population: Dental Surgeon ratio: 20,023.2

Population per Dental Surgeon =	Total population for the year 120,139)	
	Total number of Dental Surgeons enrolled for the year (6)	
Methodological/System Issues:		
2018 Projected population is used as base population.		
Health manpower data for 2018 has been sourced from the Admin division, MHMS.		

0.5

Availability of Medical Assistants: Number of Medical Assistants (per 10,000 population): 3.5

Medical Assistants per 10,000 population =	Total number of Medical Assistants enrolled for the year (42) Total population (120,139)	X 10,000		
Methodological/System Issues:				
2018 Projected population is used as base population.				
Health manpower data for 2018 has been sourced from the Admin division, MHMS.				

Population per Medical Assistant: Population: Medical Assistant ratio: 2,860.5

Population per Medical	Total population for the year (120,139)		
Assistant =	Total number of Medical Assistants enrolled for the year (42)		
Methodological/System Issues:			
2018 Projected population is used as base population.			
Health manpower data for 2018 has been sourced from the Admin division, MHMS.			

Availability of Nurses: Number of Nurses (per 10,000 population): 31.0

Health manpower data for 2018 has been sourced from the Admin division, MHMS.

Nurses per 10,000 population =	Total number of Nurses enrolled for the year (372) Total population (120,139)	X 10,000
Methodological/System Issues:		
2018 Projected population is used as base population.		
Health mannower data for 2018 has been sourced from the Admin division, MHMS		

Population per Nurse: Population: Nurse ratio: 323

	Donulation per Nurse -	Total population for the year (120,139)						
	Population per Nurse =	Total number of Nurses enrolled for the year (372)						
Me	ethodological/System Issues:							
•	2018 Projected population is used	as base population.						

Availability of Midwives: Number of Midwives (per 10,000 population): 7.6

N	1idwives per 10,000 population =	Total number of Midwives enrolled for the year (91) Total population (120,139)	X 10,000
Methodological/System Issues:			
•	2018 Projected population is used as	base population.	
•	Health manpower data for 2018 has b	peen sourced from the Admin division, MHMS.	

Population per Midwife: Population: Midwife ratio: 1,320.2

Deputation per Midwife -	Total population for the year (120,139)
Population per Midwife =	Total number of Midwives enrolled for the year (91)
Methodological/System Issues:	
• 2018 Projected population is used	as base population.
Health manpower data for 2018 h	as been sourced from the Admin division, MHMS.

Table 5: H	ealth manpov	ver for	Kiribati	health inst	titution	ıs				
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
BH		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 and staff availability of Health Centers and Village 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 3	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						
		Bonriki (Bentekota)2			1						
BTC		Temanoku (BTC)	1		2						
		Takoronga	1		2						
		Temakin	1		2						
Banaba	Banaba		1		1						
Maiana	Tabontekeekee	Tekaranga	1		1						
		Bubutei			1						

			D 4 A		Staff availability						
			MA	* SCH/N	PHN**						
	-	Tebikerai42	-	-	1						
		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									
		Temanoku (Nonouti)		1							
Tab North	Utiroa	Tanaeang	1	1	1						
		Buota			1						
		Tenatorua			1						
		Aiwa			1						
		Tekabuibui			1						
		Kabuna			1						
		Tauma			1						
		Tekaman2			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	<u> </u>		1						
Tamana	Motoia	-	1		1						
Arorae	Taribo	-	1		1						
Kiritimati	London	London	2		2						
	201101011	Banana	<u> </u>		1						
		Poland	1		<u> </u>						
		Tabwakea	<u> </u>		1						
Tabuaeran	Paelau	Napali	1		1						
		Aramari			1						
Teraina	Arabata		1		1						
	Canton	-	1								
Kanton	Carreon										

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 (40,163)
(for TCH) =	Total population (120,139)

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS
- 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: 113.8

TCH (weekly patient discharges) =	Total number of discharges for the year from TCH (5,917)
	Number of weeks per year (52)

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS.
- 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): 12

TCH ARI Moderate/Severe = Total (0-5 years) population	X 1,000
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Methodological/System Issues:

- 2018 projected population is used as base population.
- Data for 2018 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)
Mathadalasiaal/Custom Jasuas	

Methodological/System Issues:

- 2018 projected population is used as base population.
- Data for 2018 has been sourced from the KHIS & MS1

Table 7: Basic patient statistics for TCH

Catagoni	Grand	To	otal	Less t	han 1yr	1-	4yrs	5-:	15yrs	16-	29yrs	30-	69yrs	70)+yrs	Age un	recorded
Category	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
OPD visit	•	7583	9104	164	165	419	332	712	969	2710	3477	3452	3987	108	162	18	12
Special Clinics		11029	12456	431	399	616	418	1021	1025	1901	2457	6573	7439	387	589	100	129
EOPD Encounter	3,540	1,618	1,922	185	121	236	200	172	165	292	466	677	887	55	81	1	2
Hospital Admissions	5,917	1789	4128	308	253	131	98	124	122	212	1806	923	1741	91	108	0	0
EOPD Deaths	21	9	12	0	0	0	0	0	0	1	3	6	8	2	1	0	0
Inpatient Deaths	250	123	127	23	35	3	5	5	2	9	8	69	62	14	15	0	0

Source: KHIS as of 31.12.2018

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

	Grand	To	otal	Less t	han 1yr	1-	4yrs	5-1	L5yrs	16-	29yrs	30-	69yrs	70)+yrs	Age Ur	recorded
Ward Category	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
TCH-ICU	90	34	56	2	1	0	0	2	1	8	21	18	30	4	3	0	0
TCH-Medical	1138	570	568	0	0	0	0	8	8	81	112	431	389	50	59	0	0
TCH-Obstetric	2276	0	2276	0	0	0	0	0	6	0	1448	0	822	0	0	0	0
TCH-Paediatric	937	517	420	301	247	127	96	89	75	0	1	0	0	0	1	0	0
TCH-Private	311	114	197	5	5	3	2	4	12	5	49	82	111	15	18	0	0
TCH-Surgical	870	511	359	0	0	0	0	18	8	105	56	367	270	21	25	0	0
ТСН-ТВ	89	42	47	0	0	0	0	2	5	14	20	25	20	1	2	0	0
TCH-GYNAE	206	1	205	0	0	0	0	1	7	0	99	0	99	0	0	0	0
Grand Total	5917	1789	4128	308	253	130	98	124	122	213	1806	923	1741	91	108	0	0

Source: KHIS as of 31.12.2018

Service	Month										Total		
Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	iotai
Admissions	260	222	225	245	251	236	257	269	205	289	222	177	2858
Discharges	220	215	238	219	237	245	559	284	190	288	263	181	3139
Patient days	1090	970	880	734	865	787	867	876	883	933	988	793	10666

III.	Month												-
Illness	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
(01)Diarrhoea	1562	1304	1164	930	837	817	1177	922	698	765	1033	966	12175
(02) Dysentery	526	421	500	539	519	448	531	350	320	325	403	394	5276
(03)ILI - Influenza like illness	4211	3824	6300	5484	4565	4849	4041	3629	2939	2972	3131	2855	48800
(04)ARI-Pneumonia	703	521	549	455	709	680	561	493	432	329	430	307	6169
(05)Meningitis	17	7	6	5	8	8	20	46	5	14	1	3	140
(06)Conjunctivitis	521	448	608	747	892	728	773	690	658	788	750	684	8287
(07)STI	20	14	14	14	49	16	8	30	59	24	29	7	284
(08)Prolonged Fever	788	638	1819	1047	1128	1451	1118	1027	593	498	466	423	10996
(09)Acute fever + rash	12	30	42	50	94	31	82	70	63	21	24	18	537
(10)Diabetes	142	115	80	82	92	75	74	91	61	78	70	37	997
(11)Hypertension	143	119	53	64	99	66	91	119	78	68	60	46	1006
(12)Mental illness	6	4	1	1	11	5	3	7	17	3	9	5	72
(13)Fish poisoning	65	81	44	32	50	50	31	62	85	56	49	28	633
(14)Night blindness	80	82	84	96	125	79	88	114	126	189	175	82	1320
(15)Tinea Vesicolor	367	280	323	262	261	234	343	336	386	311	460	303	3866
(16)Tinea Corporis	570	527	614	487	507	471	486	516	561	517	547	469	6272
(17)Worm Infestation	501	370	382	318	317	335	386	319	388	402	307	286	4311
(18)Scabies	116	153	156	136	119	99	161	99	115	246	113	130	1643
(19)Others	32664	24353	35446	29300	31704	32121	27410	26856	23834	25029	25537	21929	336183
Total	43014	33291	48185	40049	42086	42563	37384	35776	31418	32635	33594	28972	448967

Illacas				District			Tatal
Illness	Northern	Tarawa&Banaba	Central	South West	South East	Linnix	 Total
ILI - Influenza like illness	5212	30966	3760	2577	3263	3022	48800
Diarrhoea	958	8005	878	821	570	943	12175
Prolonged Fever	1455	5357	918	998	1169	1099	10996
Conjunctivitis	574	6460	463	367	127	296	8287
Tinea Corporis	748	4205	467	319	212	321	6272
ARI-Pneumonia	851	3881	648	380	265	144	6169
Dysentery	407	2731	737	582	285	534	5276
Worm Infestation	842	2593	339	227	140	170	4311
Tinea Vesicolor	358	2821	271	117	147	152	3866
Scabies	258	776	91	68	93	357	1643
Night blindness	190	424	213	314	109	70	1320
Hypertension	105	458	204	101	105	33	1006
Diabetes	116	491	141	108	84	57	997
Fish poisoning	258	190	42	47	44	52	633
Acute fever + rash	70	234	46	107	42	38	537
STI	57	190	14	17	2	4	284
Meningitis	71	39	14	10	1	5	140
Mental illness	10	22	11	8	12	9	72
Others	27154	216047	21448	22622	16230	32682	336183
Grand Total	39694	285890	30705	29790	22900	39988	448967

Comico						Month							Total
Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	iotai
Aranuka	4	10	11	10	13	11	9	12	50	29	11	7	177
Tarawa North	7	12	10	20	19	25	11	15	14	9	9	14	165
Abemama	4	4	9	8	13	22	7	15	24	13	22	7	148
Butaritari	6	8	13	16	14	13	10	8	23	7	10	17	145
Abaiang	9	7	30	3	11	11	8	5	10	4	11	8	117
Nikunau	5	7	2	3	16	5	8	4	12	6	23	13	104
Marakei		8	5	15	8	3	10	8	11	5	5	6	84
Nonouti	2	2	5			3	1	2	4	6	6	42	73
Onotoa	7	7		2	6	8	5	3	7	1	12	6	64
Maiana	8	6	5	4		12	7	8	2	8	1	3	64
втс	24			15			17						56
Tab North		4		4	4	13	6	5	3	6	8		53
Tab South	1	4	2	7		4	2	1	9		5	8	43
Kuria	2	2	2	5	3	1	3	5		5	2	7	37
Arorae	1				2	3	3	3	7	4	10	4	37
Beru	2	2		1	1		6	2	3	7	8	4	36
Tamana	1	1	4	5	1	4				4	8	3	31
Makin	3	3	3			1		3	9	3	3	1	29
Banaba	1					4	4					1	10
Kiritimati											1		1
Grand Total	87	87	101	118	111	143	117	99	188	117	155	151	1474

Table 13: Leading Causes of Hospitalization for TCH

Rank	ICD 10-3	Cause of Hospitalization	Ger	nder	- Total
Nalik		Cause of Hospitalization	Male	Female	TOLAI
1	080	Single spontaneous delivery		1460	1460
2	082	Single delivery by caesarean section		288	288
3	E11	Non-insulin-dependent diabetes mellitus	95	107	202
4	J18	Pneumonia, organism unspecified	88	104	192
5	J21	Acute bronchiolitis	90	54	144
6	L02	Cutaneous abscess, furuncle and carbuncle	77	42	119
7	R69	Unknown and unspecified causes of morbidity	33	78	111
8	O60	Preterm labour		92	92
9	P36	Bacterial sepsis of newborn	44	46	90
10	099	Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium		87	87
11	A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically	28	47	75
12	L03	Cellulitis	33	40	73
13	A09	Other gastroenteritis and colitis of infectious and unspecified origin	33	33	66
14	023	Infections of genitourinary tract in pregnancy		59	59
15	J44	Other chronic obstructive pulmonary disease	30	29	59
16	N93	Other abnormal uterine and vaginal bleeding		53	53
17	I10	Essential (primary) hypertension	22	31	53
18	150	Heart failure	25	25	50
19	A90	Dengue fever [classical dengue]	24	26	50
20	I21	Acute myocardial infarction	35	15	50
21	O24	Diabetes mellitus in pregnancy		50	50
22	O47	False labour		49	49
23	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	16	32	48
24	A41	Other septicaemia	21	27	48
25	E43	Unspecified severe protein-energy malnutrition	29	19	48
		Pooled from all other causes	1066	1234	2301
	Grand Total		1789	4127	5917
***	R00-R99	Ill-defined causes hospitalization (pooled)	88	90	178

Source: KHIS as of 31.12.2018

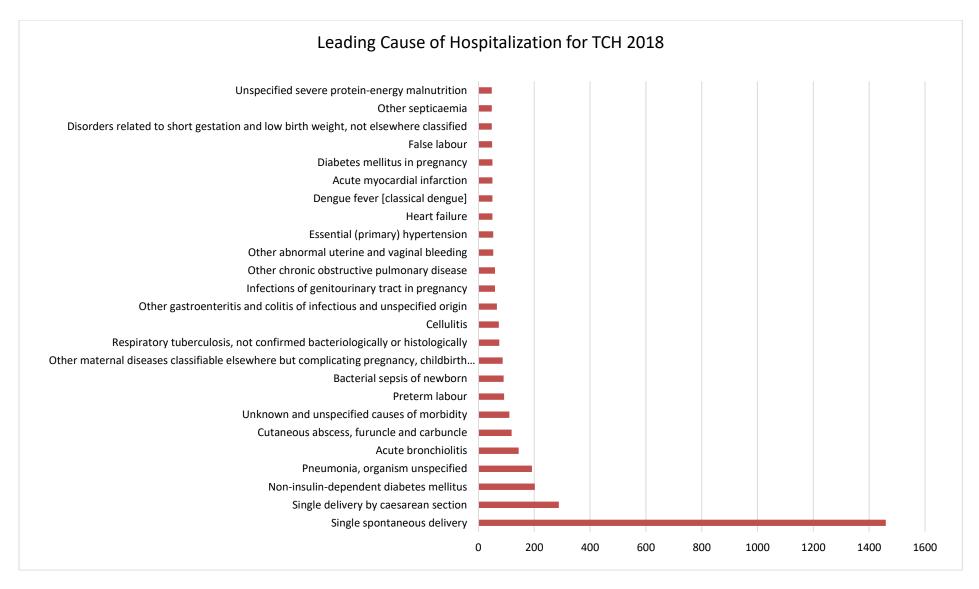


Figure 2: Leading Causes of Hospitalization for TCH

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

Ward Category	Sub	Total		Less than 1yr		1-4	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	Female	Male	Female	
TCH-ICU	25	13	12	0	1	0	0	1	0	3	2	9	8	0	1	0	0	
TCH-Medical	87	48	39	0	0	0	0	0	0	5	3	36	29	7	7	0	0	
TCH-Paediatric	68	28	40	23	33	3	5	2	2	0	0	0	0	0	0	0	0	
TCH-Private	15	9	6	0	0	0	0	1	0	0	0	6	3	2	3	0	0	
TCH-Surgical	55	25	30	0	1	0	0	1	0	1	3	18	22	5	4	0	0	
TCH-TB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TCH-OB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TCH-Gynae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grand Total	250	123	127	23	35	3	5	5	2	9	8	69	62	14	15	0	0	

Source: KHIS as of 31.12.2018

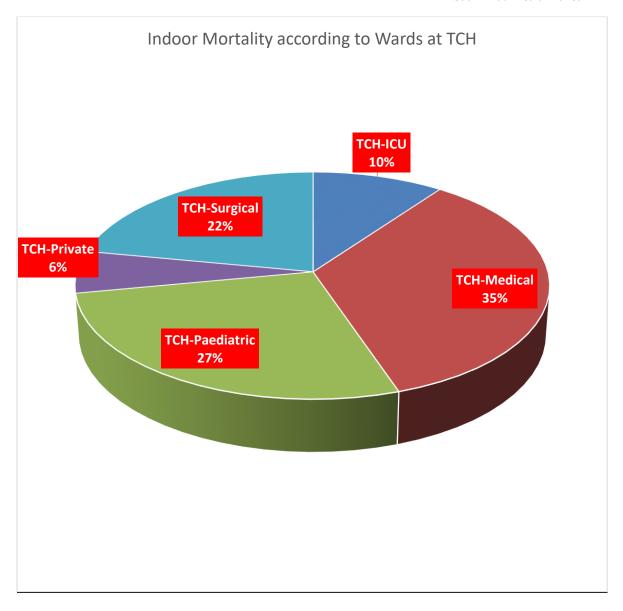


Figure 3: Indoor mortality statistics according to wards: TCH

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

Rank	Cause of Death	Gei	nder	_	
Nalik	Cause of Death	Female	Male	Total	
1	Non-insulin-dependent diabetes mellitus	15	9	24	
2	Bacterial sepsis of newborn	9	10	19	
3	Unspecified severe protein-energy malnutrition	10	3	13	
4	Acute hepatitis B	2	10	12	
5	Other septicaemia	7	4	11	
6	Acute myocardial infarction	3	5	8	
7	Malignant neoplasm of breast	7		7	
8	Pneumonia, organism unspecified	2	5	7	
9	Unspecified diabetes mellitus	1	5	6	
10	Other diseases of digestive system	2	3	5	
11	Chronic kidney disease	2	3	5	
12	Meningitis due to other and unspecified causes	4	1	5	
13	Respiratory distress of newborn	3	2	5	
14	Malignant neoplasm of liver and intrahepatic bile ducts	1	3	4	
15	Peptic ulcer, site unspecified	2	2	4	
16	Chronic ischaemic heart disease	2	2	4	
17	Heart failure	1	3	4	
18	Essential (primary) hypertension	3	1	4	
19	Intracerebral haemorrhage	2	2	4	
20	Other diseases of intestine		3	3	
21	Other chronic obstructive pulmonary disease	1	2	3	
22	Malignant neoplasm of stomach	2	1	3	
23	Malignant neoplasm of bronchus and lung		3	3	
24	Intracranial and intraspinal abscess and granuloma	1	2	3	
25	Dengue fever [classical dengue]		3	3	
	Mortality from all other causes (pooled)	57	45	102	
	Grand To	otal 139	132	271	

Source: KHIS as of 31.12.2018 * Derived from data extracted from medical records

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

Donle	ICD 10 2	Course of Dooth	Ge	nder	
Rank	ICD 10-3	Cause of Death	Male	Female	Total
1	E11	Non-insulin-dependent diabetes mellitus	9	15	24
2	P36	Bacterial sepsis of newborn	10	9	19
3	E43	Unspecified severe protein-energy malnutrition	3	10	13
4	B16	Acute hepatitis B	10	2	12
5	A41	Other septicaemia	4	7	11
6	I21	Acute myocardial infarction	5	3	8
7	C50	Malignant neoplasm of breast		7	7
8	J18	Pneumonia, organism unspecified	5	2	7
9	E14	Unspecified diabetes mellitus	5	1	6
10	K92	Other diseases of digestive system	3	2	5
11	N18	Chronic kidney disease	3	2	5
12	G03	Meningitis due to other and unspecified causes	1	4	5
13	P22	Respiratory distress of newborn	2	3	5
14	C22	Malignant neoplasm of liver and intrahepatic bile ducts	3	1	4
15	K27	Peptic ulcer, site unspecified	2	2	4
16	125	Chronic ischaemic heart disease	2	2	4
17	150	Heart failure	3	1	4
18	I10	Essential (primary) hypertension	1	3	4
19	161	Intracerebral haemorrhage	2	2	4
20	K63	Other diseases of intestine	3		3
21	J44	Other chronic obstructive pulmonary disease	2	1	3
22	C16	Malignant neoplasm of stomach	1	2	3
23	C34	Malignant neoplasm of bronchus and lung	3		3
24	G06	Intracranial and intraspinal abscess and granuloma	2	1	3
25	A90	Dengue fever [classical dengue]	3		3
26	L02	Cutaneous abscess, furuncle and carbuncle	2	1	3
27	A91	Dengue haemorrhagic fever	1	2	3
28	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	1	2	3
29	163	Cerebral infarction		3	3
30	A15	Respiratory tuberculosis, bacteriologically and histologically confirmed	1	2	3
31	M60	Myositis	1	1	2
32	N49	Inflammatory disorders of male genital organs, not elsewhere classified	1	1	2
33	N17	Acute renal failure	1	1	2
34	B18	Chronic viral hepatitis	1	1	2
35	P21	Birth asphyxia	1	1	2
36	C71	Malignant neoplasm of brain		2	2
37	M72	Fibroblastic disorders	2		2
38	G93	Other disorders of brain		2	2
39	R99	Unknown		2	2
40	K74	Fibrosis and cirrhosis of liver	1	1	2
41	A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically	2		2
42	E05	Thyrotoxicosis [hyperthyroidism]		2	2
43	124	Other acute ischaemic heart diseases	2		2
44	P28	Other respiratory conditions originating in the perinatal period	1	1	2
45	J90	Pleural effusion, not elsewhere classified	2		2
46	C76	Malignant neoplasm of other and ill-defined sites		2	2
47	J45	Asthma	1	1	2
48	N27	Small kidney of unknown cause	1		1
49	V22	Motorcyle rider injured in collision with two-or three-wheeled motor vehicle		1	1
50	A18	Tuberculosis of other organs		1	1
51	167	Other cerebrovascular diseases	1	<u> </u>	1
52	C85	Other and unspecified types of non-Hodgkin's lymphoma		1	1
52	203	Sales and anspectived types of non-rioughin's lympholia		_	

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

Rank	ICD 10-3	Cause of Death	Gender		- Total
Naiik	ICD 10-3	Cause of Death	Male	Female	TOtal
53	x59	Exposure to unspecified factor	1	-	
54	135	Nonrheumatic aortic valve disorders		1	
55	C53	Malignant neoplasm of cervix uteri		1	
56	Q24	Other congenital malformations of the heart		1	
57	A09	Other gastroenteritis and colitis of infectious and unspecified origin		1	
58	E13	Other specified diabetes mellitus	1		
59	V89	Motor-or nonmotor-vehicle accident, type of vehicle unspecified	1		
60	D64	Other anaemias	1		
61	E87	Other disorders of fluid, electrolyte and acid-base balance	1		
62	N75	Diseases of Bartholin's gland		1	
63	J85	Abscess of lung and mediastinum		1	
64	148	Atrial fibrillation and flutter		1	
65	E88	Other metabolic disorders		1	
66	P78	Other perinatal digestive system disorders	1		
67	J93	Pneumothorax	_ _	1	
68	Q54	Hypospadias	1	_	
69	J96	Respiratory failure, not elsewhere classified	1		
70	V24	Motorcyle rider injured in collision with heavy transport vehicle or bus	1		
71	K11	Diseases of salivary glands		1	
72	C79	Secondary malignant neoplasm of other sites		1	
73	C02	Malignant neoplasm of other and unspecified parts of tongue		1	
		<u> </u>			
74 75	N13 K52	Obstructive and reflux uropathy		1	
75 76		Other noninfective gastroenteritis and colitis	1	1	
76	126	Pulmonary embolism	1		
77	K56	Paralytic ileus and intestinal obstruction without hernia	1		
78	133	Acute and subacute endocarditis	1		
79	C73	Malignant neoplasm of thyroid gland	1		
80	001	Hydatidiform mole		1	
81	K65	Peritonitis	1		
82	138	Endocarditis, valve unspecified		1	
83	K72	Hepatic failure, not elsewhere classified	1		
84	C32	Malignant neoplasm of larynx		1	
85	C41	Malignant neoplasm of bone and articular cartilage of other and unspecified sites		1	
86	P52	Intracranial nontraumatic haemorrhage of fetus and newborn		1	
87	K75	Other inflammatory liver diseases		1	
88	Q01	Encephalocele		1	
89	K81	Cholecystitis		1	
90	Q43	Other congenital malformations of intestine	1		
91	K83	Other diseases of biliary tract		1	
92	R04	Haemorrhage from respiratory passages		1	
93	H66	Suppurative and unspecified otitis media	1		
94	V23	Motorcyle rider injured in collision with car, pick-up truck or van	1		
95	C78	Secondary malignant neoplasm of respiratory and digestive organs		1	
96	V28	Motorcyle rider injured in noncollision transport accident	1	<u>-</u>	
97	L03	Cellulitis	1		
98	L89	Decubitus ulcer and pressure area	1		
99	J47	Bronchiectasis	1	1	
100	J21	Acute bronchiolitis	1	1	
	JLI	Acute bi diferibilitis	1		

Source: KHIS as of 31.12.2018 * 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): 12.9

NMR = Number of deaths of neonates aged 0-28 days (44)

Number of live births (3,398)

X 1,000

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS & MS1
- 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.

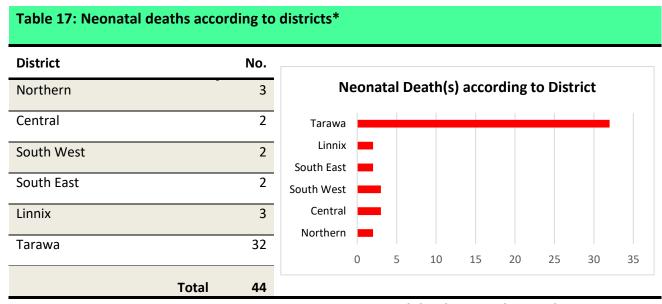


Figure 4: Neonatal deaths according to districts

Infant Mortality Rate: Probability of dying between birth and age 1 year (per 1,000 live births): 28.3

IMR =	Number of deaths of infants aged <1 year (96) Number of live births (3,398)	X 1,000

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS & MS1
- 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.

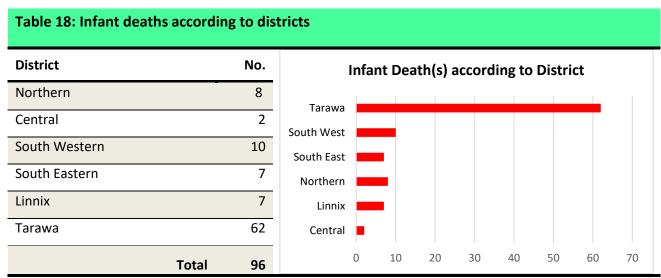


Figure 5: Infant deaths according to districts

Under-five Mortality Rate: Probability of dying by age 5 years (per 1,000 live births): 36.2

	U5MR =	Number of deaths of children aged <5 years (123) Number of live births (3,398)	X 1,000
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Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS & MS1
- 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.

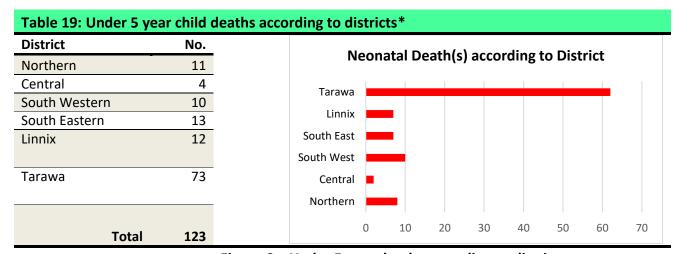


Figure 6: Under 5 year deaths according to districts

Maternal Mortality Rate: Probability of a female dying due to a maternal cause (per 100,000 live births): 1.1

MMR =	1MR =	Number of maternal deaths (4)	X 100,000
		Number of live births (3,398)	,

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS & MS1
- Births with unrecorded outcomes were counted as live births.
- · Challenges in conducting Maternal Death audits thus resulting in low maternal mortality records
- 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 20: Maternal deaths for Kiribati					
Rank	ICD-10-3	Cause of Death	Total		
1	072	Postpartum Hemorrhage	2		
2	001	Hydatidiform Mole	1		
3	O60	Preterm labour	1		
J	000	rieteiiii laboul			

Total Maternal Deaths* 4

Sources: KHIS & MS1 as of 31.12.2018

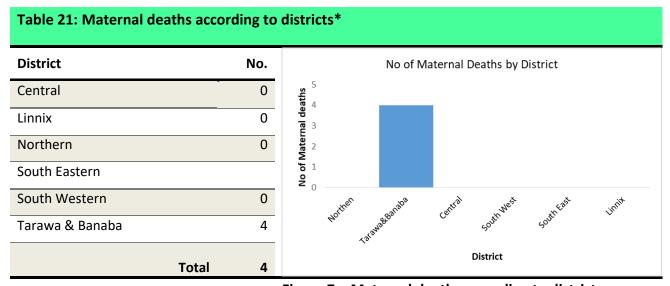


Figure 7: Maternal deaths according to districts

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): **54.8**

Adult mortality rate from NCDs (30-69 years) = Total number of deaths due to NCDs for the year (233)

Total population (30-69 years) (42,480)

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS & MS1
- 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 11 Central Linnix 27 South Fast Northern 16 North South West South Eastern 14 Linnix South Western 20 Tarawa 145 Tarawa & Banaba 20 40 60 80 100 120 140 160 Number of Deaths **Total** 233

Sources: KHIS & MS1 as of 31.12.2018

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) 5.8

Mortality rate from Road Traffic Injuries = Total number of deaths due to RTIs for the year (7)

Total population (120,139)

X 100,000

Methodological/System Issues:

- Data for 2018 has been sourced from the KHIS & MS1
- 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)*

D l		Ge	Total	
Rank	Cause of Death*	Male	Female	Total
1	Non-insulin-dependent diabetes mellitus	15	26	41
2	Other ill-defined and unspecified causes of mortality	17	19	36
3	Cardiac arrest	17	11	28
4	Stroke, not specified as haemorrhage or infarction	17	11	28
5	Acute myocardial infarction	19	4	23
6	Other septicaemia	10	11	21
7	Unspecified severe protein-energy malnutrition	7	14	21
8	Pneumonia, organism unspecified	9	11	20
9	Bacterial sepsis of newborn	10	9	19
10	Acute hepatitis B	10	2	12
11	Malignant neoplasm of breast		11	11
12	Meningitis due to other and unspecified causes	5	6	11
13	Fibrosis and cirrhosis of liver	5	5	10
14	Malignant neoplasm of bronchus and lung	8	2	10
15	Other gastroenteritis and colitis of infectious and unspecified origin	2	7	9
16	Disorders related to short gestation and low birth weight, not elsewhere			
17	classified	5	4	9
17	Volume depletion	5	4	9
18	Essential (primary) hypertension	5	4	9
19	Unspecified kidney failure	5	3	8
20	Heart failure	3	5	8
21	Complications and ill-defined descriptions of heart disease	5	3	8
22	Peptic ulcer, site unspecified	6	2	8
23	Malignant neoplasm of cervix uteri		7	7
24	Other chronic obstructive pulmonary disease	4	3	7
25	Other anaemias	2	4	6
26	Other diseases of liver	4	2	6
27	Malignant neoplasm of liver and intrahepatic bile ducts	4	2	6
28	Unspecified diabetes mellitus	5	1	6
29	Dengue fever [classical dengue]	4	1	5
30	Chronic kidney disease	3	2	5
31	Other diseases of digestive system	3	2	5
32	Respiratory tuberculosis, not confirmed bacteriologically or histologically	4	1	5
	Mortality from all other causes (pooled)	114	105	219
	Grand Total	332	304	636



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 Male Female 1 E11 Non-insulin-dependent diabetes mellitus 15 26 41 2 R99 Other III-defined and unspecified causes of mortality 17 19 36 4 164 Stroke, not specified as haemorrhage or infarction 17 11 28 5 121 Acute myocardial infarction 19 4 23 6 A41 Other segiticaemia 10 11 21 7 E43 Unspecified severe protein-energy mainutrition 7 14 21 8 118 Pneumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 11 11 11 11 12 G93 Maingnath eneplasm of breast 1 11 11 12 G93 Meningitis due t	Donk	ICD-10-3	Course of Dooth	Gender		Total	
2 R99 Other ill-defined and unspecified causes of mortality 17 19 36 3 146 Cardiac arrest 17 11 28 4 164 Stroke, not specified as haemorrhage or infarction 17 11 28 5 121 Acute myocardial infarction 19 4 23 6 A41 Other septicaemia 10 11 21 7 E43 Unspecified severe protein-energy mainutrition 7 14 21 7 E43 Unspecified severe protein-energy mainutrition 7 14 21 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 11 C50 Malignant neoplasm of broachs and lung 8 2 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10	Kank	ICD-10-3	Cause of Death	Male	Female	TOTAL	
3 I46 Cardiac arrest 17 11 28 4 I64 Stroke, not specified as haemorrhage or infarction 17 11 28 5 I21 Acute myocardial infarction 19 4 23 6 A41 Other septicaemia 10 11 21 7 E43 Unspecified severe protein-energy mainutrition 7 14 21 8 J18 Pheumonia, organism unspecified 9 11 20 8 J18 Pheumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B15 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of broast 11 11 11 11 C53 Malignant neoplasm of bronchus and unspecified causes 5 6 11 14 C34 Malignant neoplasm of bronchus and unspecified origin 2 7 9	1	E11	Non-insulin-dependent diabetes mellitus	15	26	41	
4 164 Stroke, not specified as haemorrhage or infarction 17 11 28 5 121 Acute myocardial infarction 19 4 23 6 A41 Other septicaemia 10 11 21 7 E43 Unspecified severe protein-energy mainutrition 7 14 21 8 J18 Pneumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 C63 Meningitis due to other and unspecified causes 5 6 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 11 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9	2	R99	Other ill-defined and unspecified causes of mortality	17	19	36	
5 I21 Acute myocardial infarction 19 4 23 6 A41 Other septicaemia 10 11 21 7 E43 Unspecified severe protein-energy malnutrition 7 14 21 8 J18 Pneumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and unspecified causes 5 6 11 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not	3	146	Cardiac arrest	17	11	28	
6 A41 Other septicaemia 10 11 21 7 E43 Unspecified severe protein-energy malnutrition 7 14 21 8 J18 Pneumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 11 11 11 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 10 11 <	4	164	Stroke, not specified as haemorrhage or infarction	17	11	28	
7 E43 Unspecified severe protein-energy malnutrition 7 14 21 8 J18 Phenumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not 5 4 9 16 P07 Disorders related to short gestation and low birth weight, not 5 4 9 18 I10 Essential (primary) hypert	5	121	Acute myocardial infarction	19	4	23	
8 J18 Pneumonia, organism unspecified 9 11 20 9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 C50 Malignant neoplasm of broachus and lung 8 2 10 13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 PO7 Disorders related to short gestation and low birth weight, not elsewhere classified 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3	6	A41	Other septicaemia	10	11	21	
9 P36 Bacterial sepsis of newborn 10 9 19 10 B16 Acute hepatitis B 10 2 12 11 C50 Malignant neoplasm of breast 11 11 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not elsewhere classified 5 4 9 17 E86 Volume depletion 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 <td>7</td> <td>E43</td> <td>Unspecified severe protein-energy malnutrition</td> <td>7</td> <td>14</td> <td>21</td>	7	E43	Unspecified severe protein-energy malnutrition	7	14	21	
10	8	J18	Pneumonia, organism unspecified	9	11	20	
11 C50 Malignant neoplasm of breast 11 11 12 G03 Meningitis due to other and unspecified causes 5 6 11 13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not elsewhere classified 5 4 9 17 E86 Volume depletion 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 8 21 I51 Complications and ill-defined descriptions of heart disease 5 <td< td=""><td>9</td><td>P36</td><td>Bacterial sepsis of newborn</td><td>10</td><td>9</td><td>19</td></td<>	9	P36	Bacterial sepsis of newborn	10	9	19	
12 G03 Meningitis due to other and unspecified causes 5 6 11 13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not elsewhere classified 5 4 9 17 E86 Volume depletion 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 8 21 IS1 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site	10	B16	Acute hepatitis B	10	2	12	
13 K74 Fibrosis and cirrhosis of liver 5 5 10 14 C34 Malignant neoplasm of bronchus and lung 8 2 10 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not elsewhere classified 5 4 9 17 E86 Volume depletion 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 8 21 I51 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 6 2 8 23 CS3 Malignant neoplasm of cervix uteri 7	11	C50	Malignant neoplasm of breast		11	11	
14 C34 Malignant neoplasm of bronchus and lung 15 A09 Other gastroenteritis and colitis of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not elsewhere classified 17 E86 Volume depletion 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 8 21 I51 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 7 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever (classical dengue) 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 34 R06 Abnormalities of breathing 3 2 5 35 W74 Unspecified drowning and submersion 4 1 5 36 X84 Intentional self-harm by unspecified means 5 5 37 L02 Cutaneous abscess, furuncle and carbuncle 3 1 4 40 I25 Chronic ischaemic heart disease 2 2 4 40 I25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4 41 P96 Other conditions originating in the perinatal period 1 3 4	12	G03	Meningitis due to other and unspecified causes	5	6	11	
15 A09 Other gastroenteritis and collits of infectious and unspecified origin 2 7 9 16 P07 Disorders related to short gestation and low birth weight, not elsewhere classified 17 E86 Volume depletion 5 4 9 18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 3 8 21 I51 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 6 2 8 23 C53 Malignant neoplasm of cervix uteri 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically 3 1 5 34 R06 Abnormalities of breathing 3 2 5 35 W74 Unspecified drowning and submersion 4 1 5 36 X84 Intentional self-harm by unspecified means 5 5 37 U02 Cutaneous abscess, furuncle and carbuncle 3 1 4 40 I25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4	13	K74	Fibrosis and cirrhosis of liver	5	5	10	
16	14	C34	Malignant neoplasm of bronchus and lung	8	2	10	
elsewhere classified	15	A09	Other gastroenteritis and colitis of infectious and unspecified origin	2	7	9	
18 I10 Essential (primary) hypertension 5 4 9 19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 8 21 I51 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 6 2 8 23 C53 Malignant neoplasm of cervix uteri 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18	16	P07		5	4	9	
19 N19 Unspecified kidney failure 5 3 8 20 I50 Heart failure 3 5 8 21 I51 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 6 2 8 23 C53 Malignant neoplasm of cervix uteri 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Ot	17	E86	Volume depletion	5	4	9	
20 I50 Heart failure 3 5 8 21 I51 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 6 2 8 23 C53 Malignant neoplasm of cervix uteri 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16	18	I10	Essential (primary) hypertension	5	4	9	
21 IS1 Complications and ill-defined descriptions of heart disease 5 3 8 22 K27 Peptic ulcer, site unspecified 6 2 8 23 CS3 Malignant neoplasm of cervix uteri 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically or histologically 4 1	19	N19	Unspecified kidney failure	5	3	8	
22 K27 Peptic ulcer, site unspecified 6 2 8 23 C53 Malignant neoplasm of cervix uteri 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically 4 1 5 33 P22 Respiratory distress of newborn 2 3 5 34 R06 Abnormalities of breathing 3 2 5 <	20	150	Heart failure	3	5	8	
C53 Malignant neoplasm of cervix uteri 7 7 7 24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 6 26 K76 Other diseases of liver 4 2 6 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 6 28 E14 Unspecified diabetes mellitus 5 1 6 6 7 9 A90 Dengue fever [classical dengue] 4 1 5 7 9 A90 Dengue fever [classical dengue] 5 1 6 7 9 A90 Other disease of digestive system 1 3 2 5 7 9 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically or histologicall	21	I51	Complications and ill-defined descriptions of heart disease	5	3	8	
24 J44 Other chronic obstructive pulmonary disease 4 3 7 25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically or histologically or histologically or despiratory distress of newborn 2 3 5 34 R06 Abnormalities of breathing 3 2 5 35 W74 Unspecified drowning and submersion 4 1 5 36 X84 Intentional self-harm by unspecified means 5 5 37 L02 Cutaneous abscess, furuncle and carbuncle 3 1 4 38 C16 Malignant neoplasm of stomach 1 3 4 40 I25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4	22	K27	Peptic ulcer, site unspecified	6	2	8	
25 D64 Other anaemias 2 4 6 26 K76 Other diseases of liver 4 2 6 27 C22 Malignant neoplasm of liver and intrahepatic bile ducts 4 2 6 28 E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically 33 P22 Respiratory distress of newborn 2 3 5 34 R06 Abnormalities of breathing 3 2 5 35 W74 Unspecified drowning and submersion 4 1 5 36 X84 Intentional self-harm by unspecified means 5 5 37 L02 Cutaneous abscess, furuncle and carbuncle 3 1 4 38 C16 Malignant neoplasm of stomach 1 3 4 39 R62 Lack of expected normal physiological development 1 3 4 40 L25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4	23	C53	Malignant neoplasm of cervix uteri		7	7	
26K76Other diseases of liver42627C22Malignant neoplasm of liver and intrahepatic bile ducts42628E14Unspecified diabetes mellitus51629A90Dengue fever [classical dengue]41530N18Chronic kidney disease32531K92Other diseases of digestive system32532A16Respiratory tuberculosis, not confirmed bacteriologically or histologically41533P22Respiratory distress of newborn23534R06Abnormalities of breathing32535W74Unspecified drowning and submersion41536X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440125Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	24	J44	Other chronic obstructive pulmonary disease	4	3	7	
27C22Malignant neoplasm of liver and intrahepatic bile ducts42628E14Unspecified diabetes mellitus51629A90Dengue fever [classical dengue]41530N18Chronic kidney disease32531K92Other diseases of digestive system32532A16Respiratory tuberculosis, not confirmed bacteriologically or histologically41533P22Respiratory distress of newborn23534R06Abnormalities of breathing32535W74Unspecified drowning and submersion41536X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	25	D64	Other anaemias	2	4	6	
E14 Unspecified diabetes mellitus 5 1 6 29 A90 Dengue fever [classical dengue] 4 1 5 30 N18 Chronic kidney disease 3 2 5 31 K92 Other diseases of digestive system 3 2 5 32 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically sites of newborn 2 3 5 34 R06 Abnormalities of breathing 3 2 5 35 W74 Unspecified drowning and submersion 4 1 5 36 X84 Intentional self-harm by unspecified means 5 5 37 L02 Cutaneous abscess, furuncle and carbuncle 3 1 4 38 C16 Malignant neoplasm of stomach 1 3 4 39 R62 Lack of expected normal physiological development 1 3 4 40 I25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4	26	K76	Other diseases of liver	4	2	6	
29A90Dengue fever [classical dengue]41530N18Chronic kidney disease32531K92Other diseases of digestive system32532A16Respiratory tuberculosis, not confirmed bacteriologically or histologically41533P22Respiratory distress of newborn23534R06Abnormalities of breathing32535W74Unspecified drowning and submersion41536X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440125Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	27	C22	Malignant neoplasm of liver and intrahepatic bile ducts	4	2	6	
N18 Chronic kidney disease 3 2 5 X89 Other diseases of digestive system 3 2 5 A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically Respiratory distress of newborn 2 3 5 A17 R06 Abnormalities of breathing 3 2 5 W74 Unspecified drowning and submersion 4 1 5 X84 Intentional self-harm by unspecified means 5 5 X84 Intentional self-harm by unspecified means 5 5 X85 C16 Malignant neoplasm of stomach 1 3 4 X86 Lack of expected normal physiological development 1 3 4 A18 R08 C19 Chronic ischaemic heart disease 2 2 4 A18 P96 Other conditions originating in the perinatal period 1 3 4	28	E14	Unspecified diabetes mellitus	5	1	6	
31K92Other diseases of digestive system32532A16Respiratory tuberculosis, not confirmed bacteriologically or histologically41533P22Respiratory distress of newborn23534R06Abnormalities of breathing32535W74Unspecified drowning and submersion41536X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	29	A90	Dengue fever [classical dengue]	4	1	5	
A16 Respiratory tuberculosis, not confirmed bacteriologically or histologically 33 P22 Respiratory distress of newborn 2 3 5 34 R06 Abnormalities of breathing 3 2 5 35 W74 Unspecified drowning and submersion 4 1 5 36 X84 Intentional self-harm by unspecified means 5 5 37 L02 Cutaneous abscess, furuncle and carbuncle 3 1 4 38 C16 Malignant neoplasm of stomach 1 3 4 39 R62 Lack of expected normal physiological development 4 1 3 4 40 I25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4	30	N18	Chronic kidney disease	3	2	5	
histologically Respiratory distress of newborn Ros Abnormalities of breathing W74 Unspecified drowning and submersion K84 Intentional self-harm by unspecified means LO2 Cutaneous abscess, furuncle and carbuncle Malignant neoplasm of stomach Ros C16 Malignant neoplasm of stomach Ros C2 Lack of expected normal physiological development Chronic ischaemic heart disease	31	K92	Other diseases of digestive system	3	2	5	
34R06Abnormalities of breathing32535W74Unspecified drowning and submersion41536X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	32	A16	· · · · · · · · · · · · · · · · · · ·	4	1	5	
35W74Unspecified drowning and submersion41536X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	33	P22	Respiratory distress of newborn	2	3	5	
36X84Intentional self-harm by unspecified means5537L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	34	R06	Abnormalities of breathing	3	2	5	
37L02Cutaneous abscess, furuncle and carbuncle31438C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	35	W74	Unspecified drowning and submersion	4	1	5	
38C16Malignant neoplasm of stomach13439R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	36	X84	Intentional self-harm by unspecified means	5		5	
39R62Lack of expected normal physiological development13440I25Chronic ischaemic heart disease22441P96Other conditions originating in the perinatal period134	37	L02	Cutaneous abscess, furuncle and carbuncle	3	1	4	
40 I25 Chronic ischaemic heart disease 2 2 4 41 P96 Other conditions originating in the perinatal period 1 3 4	38	C16	Malignant neoplasm of stomach	1	3	4	
41 P96 Other conditions originating in the perinatal period 1 3 4	39	R62	Lack of expected normal physiological development	1	3	4	
	40	125	Chronic ischaemic heart disease	2	2	4	
42 J45 Asthma 1 3 4	41	P96	Other conditions originating in the perinatal period	1	3	4	
	42	J45	Asthma	1	3	4	

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

Male Female	Rank	ICD-10-3	Cause of Death	Gender		Total
44 R10 Abdominal and pelvic pain 2 1 3 45 I63 Cerebral infarction 3 3 46 A91 Dengue haemorrhapic fever 1 2 3 47 R54 Senility 1 2 3 48 J90 Pleural effusion, not elsewhere classified 3 3 3 49 R86 Other sudden death, cause unknown 3 3 3 50 K63 Other diseases of intestine 3 3 3 51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 3 53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 4 1 2 3 3 4 1 2 3 4 1 1 2 2 2 2 2	Nank			Male	Female	TOLAI
45 163 Cerebral infarction 3 3 46 A91 Dengue haemorrhagic fever 1 2 3 47 R84 Senility 1 2 3 48 J90 Pleural effusion, not elsewhere classified 3 3 3 49 R96 Other diseases of intestine 3 3 3 50 K63 Other diseases of intestine 3 3 3 51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 2 55 R83 Symptoms and signs concerning food and fluid intake 2 2 2 55 R83 Symptoms and signs concerning food and fluid intake 2 2 <	43	161	Intracerebral haemorrhage	2	1	3
46 A91 Dengue haemorrhagic fever 1 2 3 47 RS4 Senility 1 2 3 48 J90 Pleural effusion, not elsewhere classified 3 3 49 R96 Other sudden death, cause unknown 3 3 50 K63 Other diseases of intestine 3 3 51 G66 Intracranial and intraspinal abscess and granuloma 2 1 3 51 G66 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 3 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 55 R124 Other acute ischaemic heart diseases 1 1 2	44	R10	Abdominal and pelvic pain	2	1	3
47 R54 Senility 1 2 3 48 J90 Pleural effusion, not elsewhere classified 3 3 3 49 R96 Other sudden death, cause unknown 3 3 3 50 K63 Other diseases of intestine 3 3 3 51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and il-defined sites 1 2 3 53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 2 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 2 56 R14 Flatulence and related Conditions 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	45	163	Cerebral infarction		3	3
48 J90 Pleural effusion, not elsewhere classified 3 3 49 R86 Other sudden death, cause unknown 3 3 50 K63 Other diseases of intestine 3 3 51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 AL5 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 3 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 56 R14 Flatulence and related conditions 1 1 2 2 57 I24 Other acute ischaemic heart diseases 2 2 2 2 58 I11 Hypertensive heart diseases 1 1 2 2 2 2 2 2 2	46	A91	Dengue haemorrhagic fever	1	2	3
49 R96 Other sudden death, cause unknown 3 3 50 K63 Other diseases of intestine 3 3 51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 AL5 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 56 R14 Flatulence and related conditions 1 1 2 2 57 124 Other acute ischaemic heart diseases 2 2 2 2 58 I11 Hypertensive heart disease 1 1 2 2 2 58 I11 Hypertensive heart disease 1 1 2 2 2 59 <	47	R54	Senility	1	2	3
50 K63 Other diseases of intestine 3 3 51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 AL5 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 56 R14 Flatulence and related conditions 1 1 2 2 56 R14 Hipertensive heart diseases 2 2 2 2 2 58 II1 Hypertensive heart diseases 1 1 2	48	J90	Pleural effusion, not elsewhere classified	3		3
51 G06 Intracranial and intraspinal abscess and granuloma 2 1 3 52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 56 R14 Flatulence and related conditions 1 1 2 57 I24 Other acute ischaemic heart diseases 2 2 2 58 I11 Hypertensive heart disease 1 1 2 59 I48 Atrial fibrillation and flutter 1 1 2 60 R04 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 R56 Convulsions, not elsewhere classifie	49	R96	Other sudden death, cause unknown	3		3
52 C76 Malignant neoplasm of other and ill-defined sites 1 2 3 53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 2 56 R14 Flatulence and related conditions 1 1 2 2 57 124 Other acute ischaemic heart diseases 2 2 2 2 58 I11 Hypertensive heart disease 1 1 2 2 59 I48 Atrial fibrillation and flutter 1 1 2 2 60 R04 Haemorrhage from respiratory passages 1 1 2 2 2 61 C95 Leukaemia of unspecified cell type 2 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2	50	K63	Other diseases of intestine	3		3
53 A15 Respiratory tuberculosis, bacteriologically and histologically confirmed 1 2 3 54 B18 Chronic viral hepatitis 1 1 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 56 R14 Flatulence and related conditions 1 1 2 57 I24 Other acute ischaemic heart diseases 2 2 2 58 I11 Hypertensive heart disease 1 1 2 2 59 I48 Atrial fibrillation and flutter 1 1 2 2 60 R04 Haemorrhage from respiratory passages 1 1 2 2 61 C95 Leukaemia of unspecified cell type 2 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract <t< td=""><td>51</td><td>G06</td><td>Intracranial and intraspinal abscess and granuloma</td><td>2</td><td>1</td><td>3</td></t<>	51	G06	Intracranial and intraspinal abscess and granuloma	2	1	3
54 B18 Chronic viral hepatitis 1 1 2 55 R63 Symptoms and signs concerning food and fluid intake 2 2 56 R14 Flatulence and related conditions 1 1 2 57 I24 Other acute ischaemic heart diseases 2 2 2 58 I11 Hypertensive heart diseases 1 1 2 2 59 I48 Atrial fibrillation and flutter 1 1 2 2 6 60 R04 Haemorrhage from respiratory passages 1 1 2 <td>52</td> <td>C76</td> <td>Malignant neoplasm of other and ill-defined sites</td> <td>1</td> <td>2</td> <td>3</td>	52	C76	Malignant neoplasm of other and ill-defined sites	1	2	3
55 R63 Symptoms and signs concerning food and filuid intake 2 2 56 R14 Flatulence and related conditions 1 1 2 57 124 Other acute ischaemic heart diseases 2 2 2 58 111 Hypertensive heart disease 1 1 2 59 148 Atrial fibrillation and flutter 1 1 2 60 R04 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract 2 2 2 65 E05 Thyrotoxicosic [hyperthyroidism] 2 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2	53	A15	Respiratory tuberculosis, bacteriologically and histologically confirmed	1	2	3
56 R14 Flatulence and related conditions 1 1 2 57 124 Other acute ischaemic heart diseases 2 2 58 111 Hypertensive heart disease 1 1 2 59 148 Atrial fibrillation and flutter 1 1 2 60 R04 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract 2 2 2 65 E05 Thyrotoxicosis [hyperthyroidism] 2 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 68	54	B18	Chronic viral hepatitis	1	1	2
57 124 Other acute ischaemic heart diseases 2 2 58 111 Hypertensive heart disease 1 1 2 59 148 Atrial fibrillation and flutter 1 1 2 60 RO4 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 RS6 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract 2 2 2 65 E05 Thyrotoxicosis [hyperthyroidism] 2 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 2 2 68 Q24 Other congenital malformations of the heart 1 1 </td <td>55</td> <td>R63</td> <td>Symptoms and signs concerning food and fluid intake</td> <td></td> <td>2</td> <td>2</td>	55	R63	Symptoms and signs concerning food and fluid intake		2	2
58 I11 Hypertensive heart disease 1 1 2 59 I48 Atrial fibrillation and flutter 1 1 2 60 R04 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract 2 2 2 2 65 E05 Thyprotoxicosis (hyperthyroidism) 2 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 2 2 68 Q24 Other congenital malformations of the heart 1 1 2 2 2 70 R07 <td< td=""><td>56</td><td>R14</td><td>Flatulence and related conditions</td><td>1</td><td>1</td><td>2</td></td<>	56	R14	Flatulence and related conditions	1	1	2
59 I48 Atrial fibrillation and flutter 1 1 2 60 R04 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract 2 2 2 65 E05 Thyrotoxicosis [hyperthyroidism] 2 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 2 68 O24 Other congenital malformations of the heart 1 1 2 2 69 J96 Respiratory failure, not elsewhere classified 2 2 2 70 R07 Pain in throat and chest	57	124	Other acute ischaemic heart diseases	2		2
60 R04 Haemorrhage from respiratory passages 1 1 2 61 C95 Leukaemia of unspecified cell type 2 2 2 62 R56 Convulsions, not elsewhere classified 2 2 2 63 C71 Malignant neoplasm of brain 2 2 2 64 W80 respiratory tract 2 2 2 2 65 E05 Thyrotoxicosis [hyperthyroidism] 2 2 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 2 68 Q24 Other congenital malformations of the heart 1 1 2 2 69 J96 Respiratory failure, not elsewhere classified 2 2 2 70 R07 Pain in throat and chest 1 1 2 2 71 E16	58	l11	Hypertensive heart disease	1	1	2
61C95Leukaemia of unspecified cell type2262R56Convulsions, not elsewhere classified2263C71Malignant neoplasm of brain2264W80respiratory tract2265E05Thyrotoxicosis [hyperthyroidism]2266P28Other respiratory conditions originating in the perinatal period11267C73Malignant neoplasm of thyroid gland11268Q24Other congenital malformations of the heart11269J96Respiratory failure, not elsewhere classified2270R07Pain in throat and chest11271E16Other disorders of pancreatic internal secretion11272R18Ascites11273K75Other inflammatory liver diseases11274G93Other disorders of brain2275M60Myositis11276V89Motor-or nonmotor-vehicle accident, type of vehicle unspecified2277M72Fibroblastic disorders2278x59Exposure to unspecified factor11280P21Birth asphyxia11281N49classified11282R58Haemorrhage, not elsewhere classified11 <td>59</td> <td>148</td> <td>Atrial fibrillation and flutter</td> <td>1</td> <td>1</td> <td>2</td>	59	148	Atrial fibrillation and flutter	1	1	2
62 R56 Convulsions, not elsewhere classified 2 2 63 C71 Malignant neoplasm of brain 2 2 64 W80 respiratory tract 2 2 64 W80 respiratory tract 2 2 65 E05 Thyrotoxicosis [hyperthyroidism] 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 68 Q24 Other congenital malformations of the heart 1 1 2 69 J96 Respiratory failure, not elsewhere classified 2 2 2 70 R07 Pain in throat and chest 1 1 2 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 2 72 R18 Ascites 1 1 2 2 73 K75 Othe	60	R04	Haemorrhage from respiratory passages	1	1	2
C71 Malignant neoplasm of brain 2 2 2 1 1 1 1 2 2 2	61	C95	Leukaemia of unspecified cell type	2		2
Inhalation and ingestion of other objects causing obstruction of respiratory tract 64 W80 respiratory tract 65 E05 Thyrotoxicosis [hyperthyroidism] 66 P28 Other respiratory conditions originating in the perinatal period 67 C73 Malignant neoplasm of thyroid gland 68 Q24 Other congenital malformations of the heart 69 J96 Respiratory failure, not elsewhere classified 60 Q24 Other congenital malformations of the heart 61 1 2 63 R07 Pain in throat and chest 64 The Cother disorders of pancreatic internal secretion 65 The Cother disorders of pancreatic internal secretion 66 R07 Pain in throat and chest 67 C73 Malignant neoplasm of thyroid gland 68 Q24 Other disorders of pancreatic internal secretion 69 J96 Respiratory failure, not elsewhere classified 70 R07 Pain in throat and chest 71 1 2 72 R18 Ascites 73 K75 Other inflammatory liver diseases 74 G93 Other disorders of brain 75 M60 Myositis 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 77 M72 Fibroblastic disorders 78 x59 Exposure to unspecified factor 79 N17 Acute renal failure 79 N17 Acute renal failure 70 R18 P21 Birth asphyxia 71 1 2 72 R18 N49 classified 73 N49 classified 74 L1 1 2 75 R58 Haemorrhage, not elsewhere classified 75 R58 Haemorrhage, not elsewhere classified 76 L1 Intracerebral haemorrhage	62	R56	Convulsions, not elsewhere classified	2		2
64 W80 respiratory tract 2 2 65 E05 Thyrotoxicosis [hyperthyroidism] 2 2 66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 67 C73 Malignant neoplasm of thyroid gland 1 1 2 68 Q24 Other congenital malformations of the heart 1 1 2 69 J96 Respiratory failure, not elsewhere classified 2 2 2 70 R07 Pain in throat and chest 1 1 2 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 2 72 R18 Ascites 1 1 2 2 73 K75 Other disorders of brain 2 2 2 74 G93 Other disorders of brain 2 2 2 75 M60 Myositis 1 1 2 2	63	C71	Malignant neoplasm of brain		2	2
66 P28 Other respiratory conditions originating in the perinatal period 1 1 2 67 C73 Malignant neoplasm of thyroid gland 1 1 1 2 68 Q24 Other congenital malformations of the heart 1 1 2 2 69 J96 Respiratory failure, not elsewhere classified 2 2 2 70 R07 Pain in throat and chest 1 1 2 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 2 72 R18 Ascites 1 1 2 2 2 73 K75 Other inflammatory liver diseases 1 1 2 2 2 74 G93 Other disorders of brain 2 2 2 2 75 M60 Myositis 1 1 2 2 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2	64	W80			2	2
67 C73 Malignant neoplasm of thyroid gland 1 1 2 68 Q24 Other congenital malformations of the heart 1 1 2 69 J96 Respiratory failure, not elsewhere classified 2 2 70 R07 Pain in throat and chest 1 1 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 72 R18 Ascites 1 1 2 73 K75 Other inflammatory liver diseases 1 1 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1	65	E05	Thyrotoxicosis [hyperthyroidism]		2	2
68 Q24 Other congenital malformations of the heart 1 1 2 69 J96 Respiratory failure, not elsewhere classified 2 2 70 R07 Pain in throat and chest 1 1 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 72 R18 Ascites 1 1 2 73 K75 Other inflammatory liver diseases 1 1 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia <td< td=""><td>66</td><td>P28</td><td>Other respiratory conditions originating in the perinatal period</td><td>1</td><td>1</td><td>2</td></td<>	66	P28	Other respiratory conditions originating in the perinatal period	1	1	2
69 J96 Respiratory failure, not elsewhere classified 2 2 70 R07 Pain in throat and chest 1 1 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 72 R18 Ascites 1 1 2 73 K75 Other inflammatory liver diseases 1 1 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 77 M72 Fibroblastic disorders 2 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 81 N49 classified 1 1 1 <	67	C73	Malignant neoplasm of thyroid gland	1	1	2
70 R07 Pain in throat and chest 1 1 2 71 E16 Other disorders of pancreatic internal secretion 1 1 2 72 R18 Ascites 1 1 2 73 K75 Other inflammatory liver diseases 1 1 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 77 M72 Fibroblastic disorders 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 <tr< td=""><td>68</td><td>Q24</td><td>Other congenital malformations of the heart</td><td>1</td><td>1</td><td>2</td></tr<>	68	Q24	Other congenital malformations of the heart	1	1	2
71 E16 Other disorders of pancreatic internal secretion 1 1 2 72 R18 Ascites 1 1 2 73 K75 Other inflammatory liver diseases 1 1 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 77 M72 Fibroblastic disorders 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 83 I61 Intracerebral haemorrhage 2 1 3 <td>69</td> <td>J96</td> <td>Respiratory failure, not elsewhere classified</td> <td>2</td> <td></td> <td>2</td>	69	J96	Respiratory failure, not elsewhere classified	2		2
72 R18 Ascites 1 1 2 73 K75 Other inflammatory liver diseases 1 1 2 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 77 M72 Fibroblastic disorders 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 80 P21 Birth asphyxia 1 1 2 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 83 I61 Intracerebral haemorrhage 2 1 3	70	R07	Pain in throat and chest	1	1	2
73 K75 Other inflammatory liver diseases 1 1 2 74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 77 M72 Fibroblastic disorders 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 81 N49 classified 1 1 2 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 83 I61 Intracerebral haemorrhage 2 1 3	71	E16	Other disorders of pancreatic internal secretion	1	1	2
74 G93 Other disorders of brain 2 2 75 M60 Myositis 1 1 2 76 V89 Motor-or nonmotor-vehicle accident, type of vehicle unspecified 2 2 77 M72 Fibroblastic disorders 2 2 78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 81 N49 classified 1 1 2 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 83 I61 Intracerebral haemorrhage 2 1 3	72	R18	Ascites	1	1	2
75M60Myositis11276V89Motor-or nonmotor-vehicle accident, type of vehicle unspecified2277M72Fibroblastic disorders2278x59Exposure to unspecified factor11279N17Acute renal failure11280P21Birth asphyxia11281N49classified11282R58Haemorrhage, not elsewhere classified11183I61Intracerebral haemorrhage213	73	K75	Other inflammatory liver diseases	1	1	2
76V89Motor-or nonmotor-vehicle accident, type of vehicle unspecified2277M72Fibroblastic disorders2278x59Exposure to unspecified factor11279N17Acute renal failure11280P21Birth asphyxia1112Inflammatory disorders of male genital organs, not elsewhere81N49classified11282R58Haemorrhage, not elsewhere classified11183I61Intracerebral haemorrhage213	74	G93	Other disorders of brain		2	2
77M72Fibroblastic disorders2278x59Exposure to unspecified factor11279N17Acute renal failure111280P21Birth asphyxia1112Inflammatory disorders of male genital organs, not elsewhere classified11281N49classified11282R58Haemorrhage, not elsewhere classified11183I61Intracerebral haemorrhage213	75	M60	Myositis	1	1	2
78 x59 Exposure to unspecified factor 1 1 2 79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 1 2 Inflammatory disorders of male genital organs, not elsewhere 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 83 I61 Intracerebral haemorrhage 2 1 3	76	V89	Motor-or nonmotor-vehicle accident, type of vehicle unspecified	2		2
79 N17 Acute renal failure 1 1 2 80 P21 Birth asphyxia 1 1 2 Inflammatory disorders of male genital organs, not elsewhere 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 1 83 I61 Intracerebral haemorrhage 2 1 3	77	M72	Fibroblastic disorders	2		2
80P21Birth asphyxia112Inflammatory disorders of male genital organs, not elsewhere81N49classified11282R58Haemorrhage, not elsewhere classified11183I61Intracerebral haemorrhage213	78	x59	Exposure to unspecified factor	1	1	2
Inflammatory disorders of male genital organs, not elsewhere 81 N49 classified 1 1 2 82 R58 Haemorrhage, not elsewhere classified 1 1 83 I61 Intracerebral haemorrhage 2 1 3	79	N17	Acute renal failure	1	1	2
81N49classified11282R58Haemorrhage, not elsewhere classified1183I61Intracerebral haemorrhage213	80	P21	Birth asphyxia	1	1	2
83 I61 Intracerebral haemorrhage 2 1 3	81	N49		1	1	2
	82	R58	Haemorrhage, not elsewhere classified	1		1
84 Q43 Other congenital malformations of intestine 1 1	83	161	Intracerebral haemorrhage	2	1	3
<u> </u>	84	Q43	Other congenital malformations of intestine	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
85	X09	Exposure to unspecified smoke, fire and flames	1		1
86	Y87	Sequelae of intentional self-harm, assault and events of undetermined intent	1		1
87	137	Pulmonary valve disorders	1		1
88	A08	Viral and other specified intestinal infections		1	1
89	V23	Motorcyle rider injured in collision with car, pick-up truck or van	1		1
90	K52	Other noninfective gastroenteritis and colitis		1	1
91	167	Other cerebrovascular diseases	1		1
92	K56	Paralytic ileus and intestinal obstruction without hernia	1		1
93	J21	Acute bronchiolitis	1		1
94	C61	Malignant neoplasm of prostate	1		1
95	R51	Headache		1	1
96	K65	Peritonitis	1		1
97	H66	Suppurative and unspecified otitis media	1		1
98	K72	Hepatic failure, not elsewhere classified	1		1
99	B19	Unspecified viral hepatitis	1		1
100	B94	Sequelae of other and unspecified infectious and parasitic diseases		1	1
101	Y09	Assault by unspecified means	1		1
102	C85	Other and unspecified types of non-Hodgkin's lymphoma		1	1
103	Q05	Spina bifida		1	1
104	C78	Secondary malignant neoplasm of respiratory and digestive organs		1	1
105	C19	Malignant neoplasm of rectosigmoid junction	1		1
106	K81	Cholecystitis		1	1
107	R12	Heartburn	1		1
108	Y28	Contact with sharp object, undetermined intent	1		1
109	R41	Other symptoms and signs involving cognitive functions and awareness	1		1
110	E51	Thiamine deficiency		1	1
111	J47	Bronchiectasis		1	1
112	C79	Secondary malignant neoplasm of other sites		1	1
113	J80	Adult respiratory distress syndrome		1	1
114	L03	Cellulitis	1		1
115	V09	Pedestrian injured in other and unspecified transport accidents		1	1
116	L89	Decubitus ulcer and pressure area	1		1
117	V28	Motorcyle rider injured in noncollision transport accident	1		1
118	M00	Pyogenic arthritis		1	1
119	E13	Other specified diabetes mellitus	1		1
120	M19	Other arthrosis	1		1
121	J93	Pneumothorax		1	1
122	M54	Dorsalgia	1		1
123	P78	Other perinatal digestive system disorders	1		1
124	C02	Malignant neoplasm of other and unspecified parts of tongue		1	1
125	Q01	Encephalocele		1	1

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

Donle	ICD 10 2	Course of Dooth	.bGender		Total
Rank	ICD-10-3	.0-3 Cause of Death		Female	Total
126	126	Pulmonary embolism	1		1
127	J06	Acute upper respiratory infections of multiple or unspecified sites	1		1
128	N13	Obstructive and reflux uropathy		1	1
129	Q54	Hypospadias	1		1
130	133	Acute and subacute endocarditis	1		1
131	C80	alignant neoplasm without specification of site	1		1
132	E87	Other disorders of fluid, electrolyte and acid-base balance	1		1
133	G40	Epilepsy	1		1
134	C32	Malignant neoplasm of larynx		1	1
135	135	Nonrheumatic aortic valve disorders		1	1
136	N27	Small kidney of unknown cause	1		1
137	R40	Somnolence, stupor and coma	1		1
138	B37	Candidiasis	1		1
139	R50	Fever of other and unknown origin	1		1
140	N75	Diseases of Bartholin's gland		1	1
141	G47	Sleep disorders		1	1
142	N94	Pain and other conditions associated with female genital organs and menstrual cycle		1	1
143	R57	Shock, not elsewhere classified	1		1
144	001	Hydatidiform mole		1	1
145	J69	Pneumonitis due to solids and liquids		1	1
146	O60	Preterm labour		1	1
147	R95	Sudden infant death syndrome	1		1
148	072	Postpartum haemorrhage		1	1
149	C49	Malignant neoplasm of other connective and soft tissue		1	1
150	A18	Tuberculosis of other organs		1	1
151	V22	Motorcyle rider injured in collision with two-or three-wheeled motor vehicle		1	1
152	P10	Intracranial laceration and haemorrhage due to birth injury		1	1
153	V24	Motorcyle rider injured in collision with heavy transport vehicle or bus	1		1
154	D69	Purpura and other haemorrhagic conditions	1		1
155	J85	Abscess of lung and mediastinum		1	1
156	E88	Other metabolic disorders		1	1
157	W75	Accidental suffocation and strangulation in bed		1	1
158	P24	Neonatal aspiration syndromes	1		1
159	W84	Unspecified threat to breathing		1	1
160	C17	Malignant neoplasm of small intestine	1		1
		Accidental poisoning by and exposure to other and unspecified			
161	X49	chemicals and noxious substances Malignant neoplasm of bone and articular cartilage of other and		1	1
162	C41	unspecified sites		1	1
163	I38	Endocarditis, valve unspecified		1	1
		Grand Total	332	304	636

Table 25: Deaths due to cancer for Kiribati*

D I	100 40 3	ICD 10.2 Type of Cancer -		nder	-
Rank	ICD-10-3	Type of Cancer	Male	Female	Total
1	C50	Malignant neoplasm of breast		11	11
2	C34	Malignant neoplasm of bronchus and lung	8	2	10
3	C53	Malignant neoplasm of cervix uteri		7	7
4	C22	Malignant neoplasm of liver and intrahepatic bile ducts	4	2	6
5	C16	Malignant neoplasm of stomach	1	3	4
6	C76	Malignant neoplasm of other and ill-defined sites	1	2	3
7	C95	Leukaemia of unspecified cell type	2		2
8	C71	Malignant neoplasm of brain		2	2
9	C73	Malignant neoplasm of thyroid gland	1	1	2
10	C61	Malignant neoplasm of prostate	1		1
11	C85	Other and unspecified types of non-Hodgkin's lymphoma		1	1
12	C78	Secondary malignant neoplasm of respiratory and digestive organs		1	1
13	C19	Malignant neoplasm of rectosigmoid junction	1		1
14	C79	Secondary malignant neoplasm of other sites		1	1
15	C02	Malignant neoplasm of other and unspecified parts of tongue		1	1
16	C80	alignant neoplasm without specification of site	1		1
17	C32	Malignant neoplasm of larynx		1	1
18	C49	Malignant neoplasm of other connective and soft tissue		1	1
19	C17	Malignant neoplasm of small intestine	1		1
20	C41	Malignant neoplasm of bone and articular cartilage of other and		1	1
20	C41	unspecified sites Total cancer deaths occurred at a health facility*	21	<u> </u>	1 58

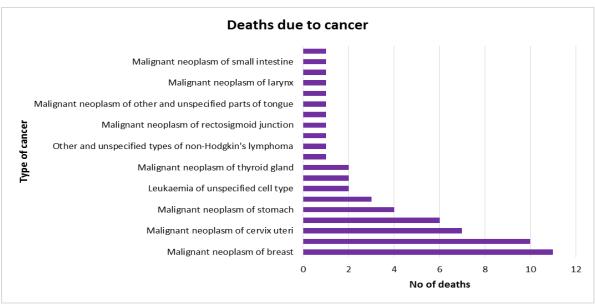


Figure 10: Mortality from cancers

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

Rank	ICD-10-3	Ill-defined cause of death	Gender		Total
Nalik	ICD-10-3	in-defined cause of death		Female	TOTAL
1	R99	Other ill-defined and unspecified causes of mortality	17	19	36
2	R06	Abnormalities of breathing	3	2	5
3	R62	Lack of expected normal physiological development	1	3	4
4	R10	Abdominal and pelvic pain	2	1	3
5	R54	Senility	1	2	3
6	R96	Other sudden death, cause unknown	3		3
7	R04	Haemorrhage from respiratory passages	1	1	2
8	R07	Pain in throat and chest	1	1	2
9	R14	Flatulence and related conditions	1	1	2
10	R18	Ascites	1	1	2
11	R56	Convulsions, not elsewhere classified	2		2
12	R63	Symptoms and signs concerning food and fluid intake		2	2
13	R12	Heartburn	1		1
14	R40	Somnolence, stupor and coma	1		1
15	R41	Other symptoms and signs involving cognitive functions and awareness	1		1
16	R50	Fever of other and unknown origin	1		1
17	R51	Headache		1	1
18	R57	Shock, not elsewhere classified	1		1
	R58	Haemorrhage, not elsewhere classified	1		1
	R95	Sudden infant death syndrome	1		1
		Total ill-defined deaths occurred at a health facility	40	34	74

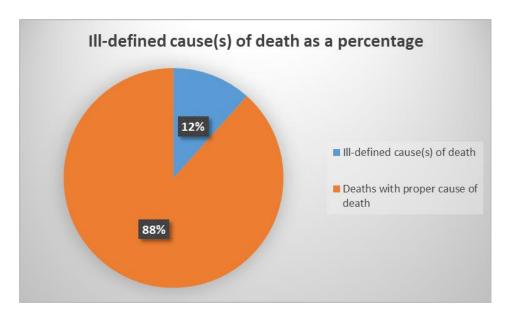


Figure 11: Ill-defined cause(s) of deaths as a percentage of total deaths

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 antenatal visits (first & revisits) (14,025)
Access to antenatal care =	Total number of deliveries reported (3,466)
Methodological/System Issues:	
Data for 2018 has been source	ed from the MS1

Table 27: Visits to Island He	alth Center	s and Cl	inics										
First Visits						Mon	th						Total
FIRST VISITS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOtal
Antenatal	334	270	358	325	336	317	294	323	234	303	245	194	3533
Postnatal	214	213	226	206	234	241	242	188	282	313	269	239	2867
Child Health: <1yr	358	279	300	262	335	363	271	311	358	412	383	371	4003
Child Health: 1-4yrs	394	221	259	169	288	250	108	194	166	205	210	182	2646
MCH Aides	475	466	526	633	533	501	369	560	458	369	417	161	5468
Pap Smears	30	34	99	96	73	54	196	114	130	178	156	40	1200
Re-visits													
Antenatal 2nd	290	248	275	296	315	303	294	278	316	260	254	250	3379
Antenatal 3rd	197	174	243	187	200	213	253	243	226	246	258	167	2607
Antenatal 4 th	139	142	143	159	201	161	200	205	189	193	179	150	2061
Antenatal 4<	170	148	179	223	250	231	211	253	217	269	275	199	2625
Postnatal	50	90	65	140	79	69	118	119	48	22	56	84	940
Child Health: < 1yr	1236	1142	1082	1011	1151	1228	1064	1253	1185	1175	1098	884	13509
Child Health: 1-4yrs	2047	2278	2171	2325	2258	2589	2253	2131	2538	2941	2008	1585	27124
MCH Aides	180	138	397	334	321	399	906	1079	406	194	162	88	4604
Pap Smears	4	10	29	8	7	12	9	44	26	29	6	77	261

Source: MS1 as of 31.12.2018

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: 9.3%

% of pregnant mothers received at least one home visit by PHN =	Number of home visits (322) Total number of deliveries reported (3,466)	X 100
Methodological/System Issues:		
Data for 2018 has been sourced from	the MS1	

Table 28: PHN Home Visits													
Service offered						Mon	th						Tatal
Service offered	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Sick patients treated	368	320	266	338	302	278	266	310	321	283	297	227	3576
Family planning	24	29	30	24	41	11	16	17	20	16	20	19	267
Antenatal	30	29	21	25	27	15	39	39	28	34	24	11	322
Postnatal	46	64	53	71	69	56	97	52	45	46	53	44	696
Child Health: <1yr	227	238	207	216	173	195	284	288	177	193	197	141	2536
Child Health: 1-4yrs	311	422	413	278	289	376	517	400	296	374	347	156	4179

Source: MS1 as of 31.12.2018

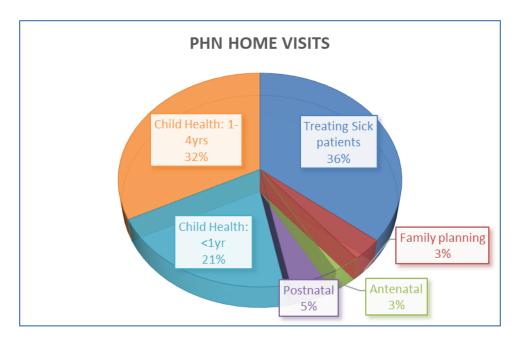


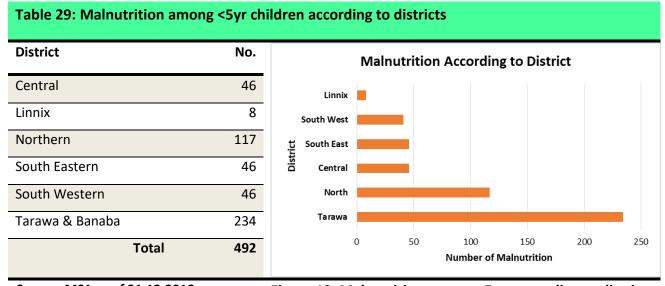
Figure 12: PHN home visits (as a percentage)

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

Pe	ercentage of LBW =	Number of Low Birth Weight babies (<2500 gm) (244)	X 100
		Total number of live births (3,398)	
Me	ethodological/System Iss	ues:	
•	Data for 2018 has been	sourced from the KHIS & MS1	
•	Births with unrecorded	outcomes were counted as live births.	

Malnourished children: Percentage of children (aged <5 years) classified as malnourished or severely malnourished in the MS1 Health Facility Monthly Reporting Form: **3.1**

	Percentage of Malnourished Total number of malnourished children <5 years (492) Children = Total population of children (<5 years) (15,775)									
Methodological/System Issues:										
•	2018 Projected population is used a	as base population.								
•	Data for 2018 has been sourced from the MS1									
•	Strengthened and timely reported would contribute to more accurate figures.									



Source: MS1 as of 31.12.2018 Figure 13: Malnutrition among <5yrs according to districts

t.t d							Mon	th						T
Island	_	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
TUC	-	10	9	11	15	6	18	17	17	3	5	10	2	123
Abaiang		11		3	2	9	7	20	3	2	1		3	61
Tarawa North		27	5	6	6	1	5		2	1	2		1	56
BTC		9	10	6	2	3	1	3	6	3	6	2		51
Onotoa		13	7	1	3	2	4	2	1	2	1	1		37
Marakei		5		6	1	2		16					3	33
Butaritari			4	8			6		2		1	1		22
Beru		12			1		2	2	1	2				20
Abemama			5	2			3	4	4	2				20
Arorae			8			1	2	1	2	1	2			17
Aranuka		2	3			3	6		2			1		17
Nikunau			3	2					1	1		2		9
Tab North		2		1		1		1			1	1		7
Kuria			2	2										4
Teraina(Washington)						1		2						3
Banaba					1	1						1		3
Kiritimati				1			2							3
Nonouti							1			1				2
Tabuaeran(Fanning)				1	1									2
TCH		1												1
Makin			1											1
	Grand Total	92	57	50	32	30	57	68	41	18	19	19	9	492

Source: MS1 as of 31.12.2018

Contraceptive use: Total number of contraceptive contacts (all forms) seen at health facilities in one year (per 1,000 population): 247.5

Contraceptive contacts (all forms) seen at health facilities =	Contraceptive contacts (all forms) seen at health facilities (7,596) Women Age 15 – 49 yrs (30,692)	X 1,000								
Methodological/System Issues:										
2018 projected population is used as base population.										
Data for 2018 has been sourced from the MS1 and is likely to be affected by under-counting										

- Strengthened and timely reporting would contribute to more accurate figures.

Table 31: Family Planning services

Method of FP	Catagomi						Mont	th						Total
Wiethod of FP	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Micro-lute	Continuers from last month	27	21	33	16	15	25	21	23	22	27	25	14	269
	New clients	2	2	6	4	7	6	1	3	4	3		4	42
	Restart	2		1			1	1	1		2	1	3	12
	Discontinuers	8	1	2	3	1	2	3	5	1	10		3	39
	Lost contact							1			1			2
	Continuers at end of month	22	21	38	19	21	29	21	21	27	22	25	18	284
Micro-gynon	Continuers from last month	90	57	59	67	72	96	71	69	68	90	73	69	881
	New clients	8	5	5	12	10	7	10	15	6	27	14	4	123
	Restart	4	1	3	2	3	6	3	4	3		1	1	31
	Discontinuers	14	7	8	7	2	11	19	8	4	17	18	6	121
	Lost contact	6	3			1		2			1			13
	Continuers at end of month	79	54	58	70	72	96	62	74	75	97	66	58	861
Depo Provera	Continuers from last month	1442	1360	1302	1346	1363	1371	1405	1377	1390	1422	1384	1329	16491
	New clients	90	91	118	85	131	103	131	126	75	88	108	83	1229
	Restart	38	41	56	40	46	50	41	45	41	28	47	49	522
	Discontinuers	116	130	115	121	126	90	122	108	64	137	139	98	1366
	Lost contact	32	29	10	14	23	1	109	1	4		42	13	278
	Continuers at end of month	1418	1330	1346	1360	1389	1385	1359	1431	1449	1400	1344	1328	16539
Condoms	For Male	450	803	218	346	279	400	199	314	517	405	384	278	4593
	For Female	1	10	5	10	45	21	35	2	22	6	4	1	162
Ovulation		13	12	13	22	26	27	30	18	61	15	18	46	301
	Inserted this month							1			1	16		18
IUCD	Removed this month		2	1			1					1		5
	Inserted this month	18	30	18	28	48	23	47	59	38	51	41	24	425
Jedell	Removed this month	27	41	25	35	50	26	48	39	32	32	34	18	407
Vasectomy		1			1						1			3
Tubectomy			14	13	9	12		10	12		18	13	9	110

Source: MS1 as of 31.12.2018

9. Immunization Services

Children immunized against measles: Percent of children (aged 0-12months) who have received one dose of measles-containing vaccine in one year: **81.6**%

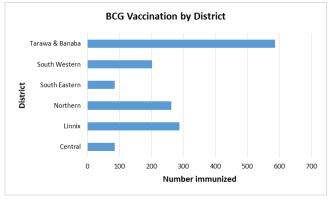
Measles Coverage =	Number of children aged <1 years receiving the MCV1 in a year (2,674) Total number of children aged <1 years (3,278)	X 100

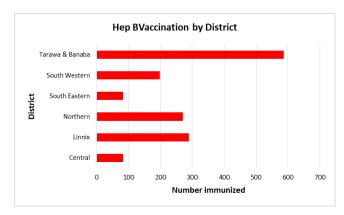
Methodological/System Issues:

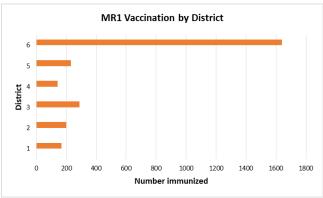
- 2018 projected population is used as base population.
- Data for 2018 has been sourced from the MS1
- Strengthened and timely reporting would contribute to more accurate figures.

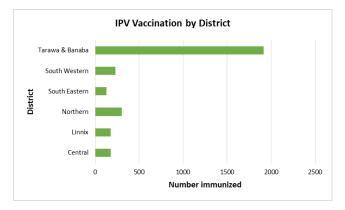
Table 32: Immunization Overview (Children 0-12months) according to districts

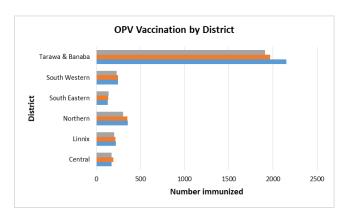
Vaccine type				District			Grand Total
vaccine type	Central	Linnix	Northern			Tarawa & Banaba	Grand Total
BCG	86	270	255	83	194	2468	3356
Failed BCG (no scar)		18	7	3	8	2	38
HepB (<24 hrs)	83	277	259	81	190	2450	3340
HepB (>=24 hrs)	0	12	11	2	8	20	53
IPV	180	178	304	129	229	1917	2937
MR1	169	199	287	142	229	1648	2674
OPV1	172	220	356	131	243	2152	3274
OPV2	193	218	350	134	243	1967	3105
OPV3	172	204	305	137	230	1909	2957
PENTAVALENT1	178	226	362	126	247	2160	3299
PENTAVALENT2	201	220	370	136	251	1977	3155
PENTAVALENT3	186	222	326	137	238	1906	3015
PNEUMOCCOCAL1	180	231	358	131	248	2150	3298
PNEUMOCCOCAL2	201	228	366	133	243	1969	3140
PNEUMOCCOCAL3	188	209	317	136	235	1912	2997
ROTA1	178	224	342	124	243	2145	3256
ROTA2	193	218	343	132	240	1974	3100
Grand Total	2560	3374	4918	1897	3522	30718	43974

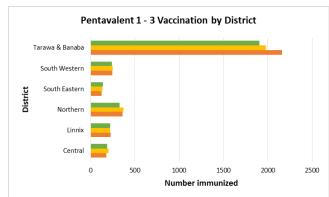


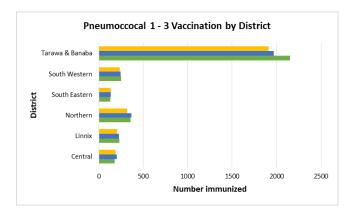












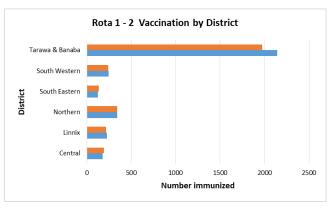


Figure 14: Immunization vaccination (Children 0-12months): district breakdowns

Table 33: Immunization Overview (Children 0-12months)*

Vaccine type						Month							Total
vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOtal
HepB (<24hrs)	278	238	247	273	281	280	291	301	272	326	274	279	3340
HepB (>=24hrs)	4	4	8	6	3	1	6	5	4	3	6	3	53
BCG	281	241	255	276	287	275	307	291	275	318	275	275	3356
Failed BCG (no scar)	1	2	1	6	3	2	3	16			4		38
Pentavalent1	283	257	250	224	293	266	306	285	274	295	280	286	3299
Pentavalent2	269	246	239	242	260	260	277	278	252	306	273	253	3155
Pentavalent3	258	235	238	228	262	229	273	263	253	259	272	245	3015
IPV	257	232	234	223	241	213	270	255	250	257	265	240	2937
Rota1	274	249	248	222	288	269	304	285	271	294	274	278	3256
Rota2	267	235	235	225	254	257	277	277	252	313	275	233	3100
Pneumococcal1	281	254	254	224	292	271	306	284	272	291	285	284	3298
Pneumococcal2	271	237	235	239	259	257	279	280	252	307	276	248	3140
Pneumococcal3	257	232	237	226	260	226	260	255	255	270	274	245	2997
OPV1	277	251	252	229	282	270	315	289	274	284	270	281	3274
OPV2	274	234	232	231	250	247	282	279	252	305	278	241	3105
OPV3	258	234	231	213	252	218	260	259	253	263	268	248	2957
MR1	222	198	191	191	232	207	280	248	187	265	244	209	2674

Vaccine type		Month											
vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
DPT4 (All class 1)		67	260	99	24	114	133	46	395	341	492	46	2017
MR2 (All class 1)		42	294	117	206	95	139	315	450	275	415	42	2390
TT5 (Form 1 girls)		72	82	79	77	23	6				6	2	347

Source: MS1 as of 31.12.2018

Table 35: Immunization Overview (>15yrs)

Vaccine type						Mor	nth						Total
vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOtal
TT6 (1st pregnancy)	105	80	88	48	104	110	92	80	77	72	153	37	1046
TT7 (2nd pregnancy)	56	53	70	50	69	67	80	56	53	68	55	31	708
TT8 (subsequent pregnancy)	109	107	120	74	126	100	114	146	89	106	110	59	1260

Source: MS1 as of 31.12.2018

Table 36: Immunization Overview (Others)

								Мо	nth						Total
	Category	Sex	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	6 - <= 12 mths				530	457	90	82			191	569	350	141	2410
Vit A (prophylaxis)	1 - <= 5 yr				3546	2955	688	743		98	1342	4241	2176	736	16525
	Mothers P/partum														0
	1 vr	Male	2		448	396	107	82		13	132	714	223	152	2269
	1 yr	Female	64		466	358	93	116		15	110	465	199	136	2022
	2 - 5 yr	Male	29		1437	1342	331	375		50	567	1863	948	388	7330
Doworming	2 - 3 yı	Female	27		1408	1246	344	357		56	504	1343	964	344	6593
Deworming	6 - 14 yr	Male	44		3463	2867	666	757		86	943	2751	1163	690	13430
	0 - 14 yi	Female	35		3475	2681	658	800		89	975	2730	1273	763	13479
	15 - 45 yr	Male			1721	146	85	9			30	599	405	50	3045
	15 - 45 yi	Female	66		7535	5521	1327	1544		28	1614	4942	2282	1456	26315
Exclusive breastfeeding	0 - <= 6 mths		967	772	902	746	752	840	818	755	838	732	699	744	9565

Source: MS1 as of 31.12.2018

Table 37: Immunization Overview for TCH (Children <1yr)

Vaccina tuna						Mo	nth						Total
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hepatitis B													
Vaccinated <24hrs after birth	142	129	130	143	157	152	175	178	154	186	165	170	1881
Vaccinated >24hrs after birth	5	5	5	6	6	7	8	6	11	9	12	10	90
Not given													
Total	147	134	135	149	163	159	183	184	165	195	177	180	1971
BCG													
Given	142	129	130	143	157	152	175	178	154	186	165	170	1881
Not given	5	5	5	6	6	7	8	6	11	9	12	10	90
Total	147	134	135	149	163	159	183	184	165	195	177	180	1971

Source: KHIS as of 31.12.2018

10. Birth information: TCH

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

Made of Delivers		Outcome							
Mode of Delivery	•	Stillbirth	Sub Total						
Normal	_	1,540	35	1,575					
Caesarean Section		387	7	394					
Forceps		1		1					
Other		1		1					
	Grand Total	1,929	42	1,971					

Source: KHIS as of 31.12.2018

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

Town of delicens		Outc	Sub Total	
Type of delivery	•	Live birth		
Vertex		1,898	39	1,937
Breech	-	30	2	32
Face		1	1	2
	Grand Total	1,929	42	1,971

Source: KHIS as of 31.12.2018

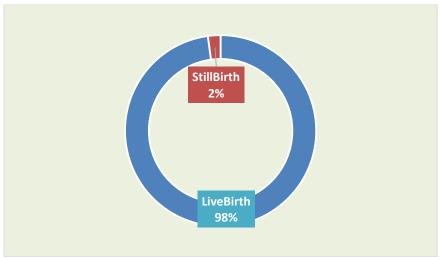


Figure 15: Birth outcome at TCH

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	_	1,469
Stillbirth		22
IUD		4
Outcome unrecorded		
	Grand Total	1,495

^{*}Data extracted from MS1 as at 31.12.2018

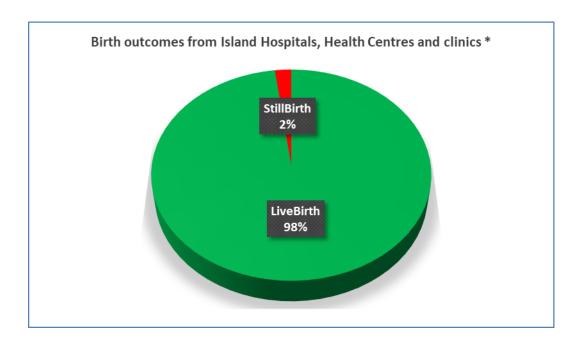


Figure 16: Birth outcomes reported from island Health Centres and clinics *excluding TCH

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

		Total No. o	of Births	
		HC/Clinics	Hospital	Sub Total
Abaiang		121		121
Abemama		48		48
Aranuka		8		8
Arorae		14		14
Banaba		6		6
Beru		28		28
BTC		18	424	442
Butaritari		85		85
Kiritimati		12	191	203
Kuria		18		18
Maiana		18		18
Makin		19		19
Marakei		52		52
Nikunau		33		33
Nonouti		75		75
Onotoa		18		18
Tab North		9	76	85
Tab South		16		16
Tabuaeran(Fanning)		39		39
Tamana		11		11
Tarawa North		78		78
Teraina(Washington)		26		26
TUC		52		52
	Grand Total	804	691	1495

Source: MS1 as at 31.12.2018

12. Birth information: District Breakdown

Table 42: Births according to districts* Central Linnix **District** No. of Births North 3% 8% 8% Central 92 South East Linnix 268 2% Northern 277 South West South Eastern 86 6% South Western 194 Tarawa & Tarawa & Banaba 2549 Banaba 73% **Grand Total** 3,466

Figure 17: Births according to districts

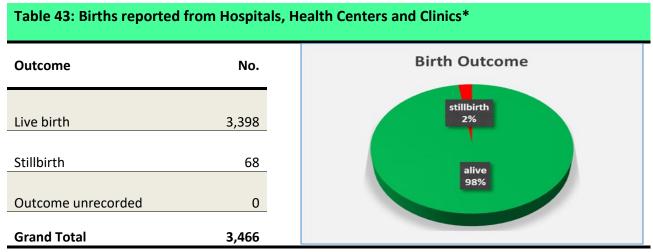
13. Country birth information

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): 0.4

1	Adolescent birth rate	Total number of births in age group 10-14 years for the year (2)	X 1,000					
	(10-14 years) = Total population of girls (10-14 years) (5,606)		Λ 1,000					
Me	Methodological/System Issues:							
•	2018 Projected population	n is used as base population.						
•	Data for 2018 has been s	ourced from the KHIS & MS1						

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): 37.8

Adolescent birth rate (15-19 years) =	Total number of births in age group 15-19 years for the year (216) Total population of girls (15-19 years) (5,719)	X 1,000
Methodological/System Iss		
2018 Projected populat	tion is used as base population.	
Data for 2018 has been	sourced from the KHIS & MS1	



Sources: KHIS & MS1 as at 31.12.2018 Figure 18: Country birth outcomes

14. Non Communicable Disease (NCD) burden

Diabetes: Occasion of service of diabetic cases to health facilities, confirmed or suspected: **123.0**

% of Diabetes = Number of people presenting to health facilities with Diabetes (14,789)

Total population (120,139)

X 1,000

Methodological/System Issues:

- Data for 2018 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: **118.4**

% of Hypertension = Number of people presenting to health facilities with Hypertension (14,220)

Total population (120,139)

X 1,000

Methodological/System Issues:

- Data for 2018 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

N.C.D.	Patient registration &	Month Control of the												
NCD	visit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Hypertension	Patients registered for male	2060	1688	1604	1514	1304	1304	1075	1174	1134	1121	1129	1177	117
	Patients registered for female	508	404	516	671	802	811	891	1009	1145	1192	1320	1244	124
	1st visit	214	133	52	108	97	78	78	91	62	65	46	22	10
	revisits	1099	1147	1031	1078	1074	1117	1337	1037	1120	1159	1023	966	131
Diabetes	Patients registered for male	2310	1774	1571	1582	1329	1344	1037	1128	1058	1040	1059	1043	10
	Patients registered for female	580	491	606	766	989	988	1084	1211	1257	1358	1405	1398	13
	1st visit	194	117	55	99	75	77	53	58	45	84	36	19	9
	revisits	1262	1298	1045	1101	1170	1115	1253	1118	1088	1285	1166	999	139
Mental illnesses	Patients registered for male	79	182	197	216	236	260	295	280	336	320	339	575	5
	Patients registered for female	82	244	227	271	290	328	384	403	443	440	476	474	4
	1st visit	4	6	18	1	15	29	18	40	12	5	9	5	1
	revisits	18	241	239	276	288	323	412	403	413	488	522	422	40

Source: MS1 as at 31.12.2018

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): **244.7**

Tuberculosis case notification rate = Number of bacteriologically confirmed (new & relapse) TB cases (294)

Total Population (120,139)

Methodological/System Issues:

2018 Projected population is used as the base population

Data for 2018 has been sourced form MS1 (from TB reports only)

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

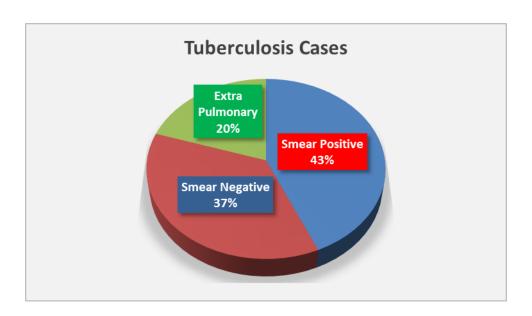


Figure 19: Tuberculosis case notifications (new & relapsed) for 2017

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: **91.4**

Т	uberculosis treatment	Treatment completed + cured TB cases (360)	X 100					
	success rate =	Number of (new + relapsed) TB cases registered for the year (394)	X 100					
М	ethodological/System Issu	es:						
•	There is a one year lag in	reporting for TB treatment success rate						
•	Data on treatment completed/Cured TB Cases (for 2017) were sourced form National Tb control program							
•	Data for 2017 has been s	ourced from the MS1 (from TB reports only)						

Table 45:	Tubercul	losis Reportin	g
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Toma	Catanami						Month							Total
Туре	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	New Cases	11	11	12	6	8	9	16	7	12		7	14	113
	Retreatment	1			2	1				1				5
Smear Positive	Defaulted													
	Fail													
	New Cases	12	9	14	12	10	4	5	21	4		10	3	104
Smear Negative	Retreatment													
Extra Pulmonary	New Cases	10	3	5	3	4	4	6	9	6		17	5	72
	Retreatment													

Source: MS1 as at 31.12.2018

16. Leprosy burden

Table 46: Leprosy Reporting

Tuna		Catagomi						Month							Total
Туре		Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	iotai
	Adult	Continuers from last month	123	113	119	119	127	128	133	135	141	140	141	141	1560
		New clients	4	6	5	7	2	6	2	8	3	2	3	8	56
		Restart												2	2
		Discontinuers									1	1	1	4	7
		Lost contact													
MB		Continuers at end of month	113	119	119	127	129	133	135	141	140	141	142	146	1585
IVID	Child	Continuers from last month	18	15	16	19	20	20	19	20	21	22	24	24	238
		New clients	1	1	3	1	1	1	1	1	1	2	1	1	15
		Restart													
		Discontinuers											1		1
		Lost contact													
		Continuers at end of month	15	16	19	20	21	19	20	21	22	24	24	25	246
	Adult	Continuers from last month	101	70	67	66	70	78	89	89	85	87	88	88	978
		New clients	5	4	2	5	8	14	2	1	5	2	1	4	53
		Restart												3	3
		Discontinuers									1	1	1	4	7
		Lost contact													
		Continuers at end of month	70	67	66	70	8	89	89	85	87	88	88	91	898
РВ	Child	Continuers from last month	62	40	41	42	43	46	50	50	45	47	49	49	564
		New clients	3	3	1	1	3	5	1	1	3	3	3	8	35
		Restart												1	1
		Discontinuers									1	1	2	3	7
		Lost contact													
		Continuers at end of month	40	41	42	43	46	50	50	45	47	49	50	55	558

Source: MS1 as at 31.12.2018

Births and Deaths trend 2015-2018

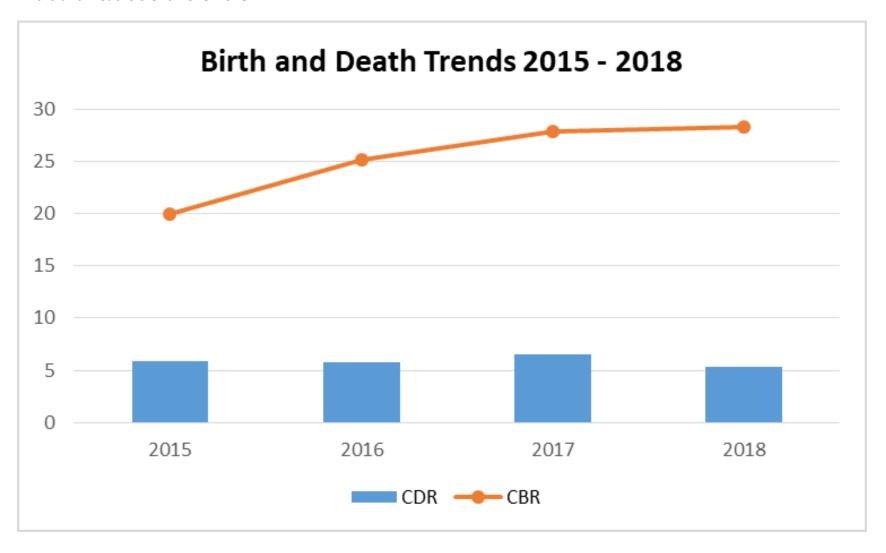


Figure 20: Births and deaths trend 2015 to 2018

Indicator tracker 2015 - 2018

Indicator Tracker	2015	2016	2017	2018	Δ
Total Population	103,058	110,136	110,136	120,139	\uparrow
Crude Birth Rate	20	25.2	27.9	28.3	\uparrow
Crude Death Rate	5.9	5.8	6.5	5.3	\downarrow
Life Expectancy at Birth	75.1	68.9	66.6	69.0	\uparrow
Land Area (klm2)	811	726	726	726	\Leftrightarrow
Neonatal Mortality Rate	10.2	14	11.1	12.9	\uparrow
Infant Mortality Rate	32.4	32.6	26.4	28.3	\uparrow
Under-five Mortality Rate	59.1	52.4	44	36.2	\downarrow
Maternal Mortality Rate	193.6	179	32.6	117.7	\uparrow
Adult mortality rate from NCDs	45.9	43.4	55.9	54.8	\downarrow
Mortality rate from road traffic injuries	1.9	1.8	10.9	0.6	\downarrow
Adolescent birth rate for 10-14 years	3.4	0	1.8	0.3	\downarrow
Adolescent birth rate for 15-19 years	33.1	37	45.2	40.4	\downarrow
Contraceptive use	531.2	336	264.6	63.2	\downarrow
Access to antenatal care	5.4	3.8	4.0	4.0	\Leftrightarrow
Percentage of pregnant mothers received at least one home visit by PHN	15.2	15.2	10.4	9.3	\downarrow
Percentage of Low Birth Weight	6.2	5.6	7.2	7.2	\Leftrightarrow
Malnourished children <5 years	5.7	6.2	5	3.1	\downarrow
Tuberculosis case notification rate	421.1	470	353.2	244.7	\downarrow
Tuberculosis treatment success rate	79.7	90	88.9	90	\uparrow
Number of Leprosy cases (new and relapses)	162	241	200	165	\downarrow
Acute respiratory infection (ARI) in children treated at Tungaru Central Hospital	11.3	14.4	15.9	12.0	\downarrow
Children immunized against measles	89.2	82.9	92.2	81.4	\downarrow
Diabetes - Occasions of Service	129	150	162	120.3	\downarrow
Hypertension - Occasions of Service	123	145	147	113.5	\downarrow
Outpatient consultations per capita	5.2	4.9	4.8	4.4	\downarrow
Outpatient consultations per capita for Tungaru Central Hospital (TCH)	0.1	0.1	0.3	0.3	\Leftrightarrow
Tungaru Central Hospital (patient discharges)	96.1	104.8	104.8	113.8	\uparrow
Tungaru Central Hospital (bed occupancy)	102.8	83.4	85.3	98.9	\uparrow
Tungaru Central Hospital (average length-of-stay)	9.5	7.2	6.5	7.0	\uparrow

Number of Hospital Beds per 1,000 population	1.7	1.9	1.9	1.7	\downarrow
Availability of Medical Officers	4.7	4.7	6	4.9	\downarrow
Population per Medical Officer	2,454	2,248	1,669	2,036.3	\Downarrow
Availability of Dental Surgeons	0.6	0.5	0.5	0.5	\Leftrightarrow
Population per Dental Surgeon	17,176	18,356	18,356	20,023.2	\uparrow
Availability of Medical Assistants	3.8	3.2	3.7	3.5	\downarrow
Population per Medical Assistant	2,463	3,147	2,686	2,860.5	\uparrow
Availability of Nurses	20.2	31.8	34.8	31.0	\downarrow
Population per Nurse	495.5	315	287.6	323	\uparrow
Availability of Midwives	10.2	7	6.8	7.6	\uparrow
Population per Midwife	982	1,430	1,469	1,320.2	\downarrow
Number of Pharmacists available	5	5	5	5	\Leftrightarrow
Number of Physiotherapists available	3	3	3	3	\Leftrightarrow
Number of Hospitals	4	4	4	4	\Leftrightarrow
Number of Health Centers	21	22	22	22	\Leftrightarrow
Number of Village Clinics	81	82	84	85	\uparrow
Number of Hospital Beds	172	205	205	205	\Leftrightarrow

Monthly reports submitted in 2018

Island	Health Center	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Makin	MAKIN	26/03/18	26/03/18				25/10/18		25/10/18	25/10/18	30/11/18	12/12/18	29/01/18
	ANRAWA	5/03/18	5/03/18	9/08/18	3/10/18	3/10/18	20/07/18	9/08/18	14/09/18	14/10/18	5/11/18	5/12/18	
	KIEBU	21/03/18	20/03/18	27/04/18	27/02/19	15/06/18	9/07/18	10/08/18	14/09/18	25/10/18	15/11/18	24/12/18	14/01/19
Butaritari	BUTARITARI	15/02/18	14/03/18	13/04/18	15/05/18	12/06/18	8/07/18	15/08/18	10/09/18	19/10/18	12/11/18	11/12/18	15/01/19
	KUMA	15/02/18	14/03/18	13/04/18	10/05/18	12/06/18	8/07/18	9/08/18	10/09/18	15/10/18	7/11/18	3/12/18	15/01/19
	NAKIRORO	15/02/18	14/03/18	13/04/18	10/05/18	13/06/18	8/07/18	15/08/18	4/09/18	15/10/18	12/11/18	3/12/18	11/01/19
	TEKANANUEA	15/02/18	14/03/18	13/04/18	14/05/18	14/06/18	8/07/18	15/08/18	10/09/18	14/10/18	14/11/18	11/12/18	17/01/19
	TANIMAIAKI(Butaritari)	15/02/18	14/03/18	13/04/18	15/05/18	12/06/18	8/07/18	9/08/18	10/09/18	15/10/18	5/11/18	3/12/18	15/01/19
	UKIANGANG	5/02/18	18/04/18	13/04/18	15/05/18	12/06/18	8/07/18	9/08/18	10/09/18	15/10/18	7/11/18	3/12/18	15/01/19
	BIKATI	15/02/18	16/03/18	13/04/18	15/05/18	13/06/18	8/07/18	13/08/18	10/09/18	15/10/18	5/12/18	14/01/19	17/01/19
	KEUEA	15/02/18	14/03/18	13/04/18	10/05/18	13/06/18	8/07/18	9/08/18	10/09/18	15/10/18	8/11/18	11/12/18	11/01/19
Marakei	RAWANNAWI	15/02/18	14/03/18	6/04/18	7/05/18	7/06/18	8/07/18	15/08/18	10/09/18	8/10/18	12/11/18	14/12/18	11/01/19
	TEKARAKAN	15/02/18	14/03/18	6/04/18	7/05/18	7/06/18	8/07/18	15/08/18	10/09/18	8/10/18	12/11/18	14/12/18	11/01/19
	BAINUEA	15/02/18	14/03/18	6/04/18	7/05/18	7/06/18	8/07/18	15/08/18	10/09/18	8/10/18	12/11/18	14/12/18	11/01/19
	TERAWARAWA	15/02/18	14/03/18	6/04/18	7/05/18	7/06/18	8/07/18	15/08/18	10/09/18	8/10/18	12/11/18	14/12/18	11/01/19
	RAWEAI	15/02/18	14/03/18	6/04/18	7/05/18	7/06/18	8/07/18	15/08/18	10/09/18	8/10/18	12/11/18	14/12/18	11/01/19
Abaiang	TABURAO	6/01/18	15/03/18	13/04/18	15/05/18	14/06/18	11/08/18	11/08/18	14/09/18	14/10/18	13/11/18	14/12/18	15/01/19
	NUOTAEA	6/01/18	1/05/18	1/05/18	15/05/18	14/06/18	11/08/18	9/08/18	16/10/18	14/10/18	13/11/18	14/12/18	
	TANIAU	9/01/18	15/03/18	13/04/18	15/05/18	14/06/18	14/09/18	11/08/18	14/09/18	14/10/18	13/11/18	14/12/18	15/01/19
	RIBONO	1/05/18	1/05/18	11/08/18	15/05/18	14/06/18	14/09/18	11/08/18	14/09/18	14/10/18	14/11/18	14/12/18	15/01/19
	TEBUNGINAKO	15/12/18	16/03/18	13/04/18	15/05/18	13/06/18	11/08/18	14/08/18	14/09/18	14/10/18	4/11/18	14/12/18	15/01/19
	KOINAWA	15/03/18	15/03/18	15/05/18	15/05/18	14/06/18	14/09/18	11/08/18	14/09/18	14/10/18	13/11/18	14/12/18	15/01/19

	TANIMAIAKI(Abaiang)	6/01/18	15/03/18	13/04/18	15/05/18	14/06/18	14/09/18	11/08/18	14/09/18	14/10/18	13/11/18	14/12/18	15/01/19
	UBWARANO	15/02/18	16/03/18	13/03/18	15/05/18	14/06/18	14/09/18	11/08/18	14/09/18	14/10/18	13/11/18	14/12/18	15/01/18
	TUARABU	1/02/18	15/03/18	13/04/18	15/05/18	14/06/18	14/09/18	11/08/18	14/09/18	14/10/18	13/11/18	14/12/18	15/01/19
Tarawa North	ABAOKORO	15/02/18	14/03/18	13/04/18	9/05/18	12/05/18	10/07/18	9/08/18	8/09/18	10/10/18	8/11/18	11/12/18	10/01/19
	TEARINIBAI	15/02/18	5/03/18	6/04/18	9/05/18	13/06/18	6/07/18	10/10/18	8/09/18	11/10/18	8/11/18	11/12/18	9/01/19
	BUARIKI(Tarawa.N)	9/02/18	5/03/18	13/04/18	10/05/18	12/06/18	10/07/18	10/08/18	8/09/18	11/10/18	14/11/18	11/12/18	9/01/19
	TARATAI	2/02/18	6/03/18	14/04/18	10/05/18	12/06/18	10/07/18	7/08/18	8/09/18	11/10/18	8/11/18	11/12/18	10/01/19
	TABITEUEA	15/02/18	15/03/18	13/04/18	15/05/18	18/06/18	17/07/18	1/08/18	4/09/18	9/10/18	8/11/18	4/12/18	
	NABEINA	19/02/18	15/03/18	13/04/18	15/05/18	15/06/18	24/07/18	16/08/18	14/09/18	15/10/18	15/11/18	14/12/18	15/01/19
	TABONIBARA	15/02/18	14/03/18	13/04/18	9/05/18	12/06/18	10/07/18	10/08/18	8/09/18	11/10/18	8/11/18	18/12/18	28/01/19
	NOTOUE	15/02/18	14/03/18	13/04/18	9/05/18	12/06/18	10/07/18	14/08/18	14/09/18	11/10/18	8/11/18	11/12/18	15/01/19
TUC	TCH-OPD	12/02/18	1/04/18	6/04/18	10/05/18	13/06/18	16/07/18	2/08/18	2/09/18	3/10/18	13/11/18	10/12/18	15/01/19
	BWENTEKOTA (BONRIKI)	New Clinic	11/09/18	12/10/18	8/11/18	11/12/18	10/01/19						
	BUOTA(TUC)	14/02/18	14/03/18	13/04/18	15/05/18	15/06/18	10/07/18	14/08/18	11/09/18	12/10/18	15/11/18	11/12/18	15/01/19
	BONRIKI	13/02/18	14/03/18	13/04/18	15/05/18	15/06/18	10/07/18	14/08/18	14/09/18	15/10/18	15/11/18	14/12/18	14/01/19
	TEMWAIKU	15/02/18	15/03/18	13/04/18	10/05/18	14/06/18	15/07/18	3/08/18	6/09/18	10/10/18	1/11/18	3/12/18	4/01/19
	BIK.E	15/02/18	6/03/18	13/04/18	15/05/18	11/06/18	10/07/18	15/08/18	13/09/18	15/10/18	5/11/18	14/12/18	14/01/19
	BIK.W	1/01/18	1/03/18	4/04/18	7/05/18	1/06/18	2/07/18	1/08/18	3/09/18	2/10/18	5/11/18	3/12/18	3/01/19
	EITA	14/02/18	14/03/18	12/04/18	15/05/18	15/06/18	10/07/18	15/08/18	14/09/18	15/10/18	15/11/18	14/12/18	15/01/19
	AMBO	15/02/18	15/03/18	13/04/18	14/05/18	6/06/18	15/07/18	13/08/18	14/09/18	11/10/18	15/11/18	14/12/18	11/01/19
	BANRAEABA	15/02/18	14/03/18	13/04/18	12/06/18	12/06/18	16/07/18	15/08/18	14/09/18	15/10/18	14/11/18	11/12/18	15/01/19
	TEAORAEREKE	12/02/18	13/03/18	13/04/18	9/05/18	4/06/18	10/07/18	3/08/18	10/09/18	15/10/18	8/11/18	11/12/18	15/01/19
	NANIKAI	9/02/18	12/03/18	10/04/18	7/05/18	6/06/18	15/07/18	9/08/18	14/09/18	15/10/18	13/11/18	7/12/18	7/01/19
	BAIRIKI	14/02/18	7/03/18	13/04/18	15/05/18	15/06/18	10/07/18	10/08/18	12/09/18	12/10/18	12/11/18	7/12/18	15/01/19
ВТС	BETIO HOSP	16/03/18	4/04/18	18/04/18	10/08/18	10/08/18	10/08/18	10/08/18	10/10/18	14/12/18	14/12/18	14/12/18	15/01/19

	TEMANOKU(BTC)	19/02/18	1/03/18	5/04/18	2/05/18	1/06/18	2/07/18	2/08/18	4/09/18	4/10/18	2/11/18	3/12/18	4/01/19
	TAKORONGA	12/02/18	15/03/18	13/04/18	3/05/18	5/06/18	10/07/18	13/08/18	10/09/18	12/10/18	13/11/18	14/12/18	14/01/19
	TEMAKIN	15/02/18	15/03/18	15/04/18	15/05/18	29/06/18	2/07/18	15/08/18	14/09/18	15/10/18	15/11/18	14/12/18	18/01/19
Banaba	BANABA	15/08/18	16/03/18	12/04/18	23/05/18	15/08/18	13/08/18	13/08/18		15/10/18	15/11/18	12/12/18	
Maiana	TABONTEKEKE	3/02/18	15/03/18	13/05/18	28/05/18	15/07/18	15/08/18	15/08/18	20/11/18	20/11/18	20/11/18	18/01/19	5/02/19
	TEKARANGA	2/03/18	15/03/18	13/04/18	28/05/18	15/08/18	15/08/18	15/08/18	14/09/18	22/10/18	30/11/18	4/03/19	4/03/19
	BUBUTEI	6/03/18	14/03/18	4/06/18	25/06/18	15/06/18	27/07/18	10/08/18	22/10/18	7/10/18	14/11/18	15/03/19	15/03/19
	TEBIKERAI	2/03/18	14/03/18	13/04/18	28/05/18	15/07/18	27/07/18	22/10/18	22/10/18	22/10/18	5/02/19	5/02/19	5/02/19
	TANIMAEAO	3/03/18	14/03/18	14/04/18	28/05/18	15/06/18	27/07/18	15/08/18	14/09/18		13/12/18	28/01/19	28/01/19
Kuria	KURIA	9/02/18	28/03/18	23/04/18	28/05/18	13/07/18	13/07/18	8/08/18	12/09/18	12/10/18	12/11/18	14/12/18	18/01/19
	ONEKE	9/02/18	28/03/18	23/04/18	25/06/18	25/06/18	13/07/18	8/08/18	12/09/18	12/10/18	12/11/18	14/12/18	18/01/19
Aranuka	ARANUKA	19/02/18	6/03/18	5/04/18	7/05/18	11/06/18	5/09/18	8/08/18	5/09/18	9/10/18	14/11/18	13/12/18	9/01/19
	TAKAEANG	5/02/18	6/03/18	3/04/18	11/05/18	11/06/18	9/07/18	7/08/18	5/09/18	10/10/18	15/11/18	13/12/18	9/01/19
	BAURUA	9/02/18	6/03/18	5/04/18	15/05/18	11/06/18	16/07/18	8/08/18	5/09/18	9/10/18	15/11/18	13/12/18	9/01/19
Abemama	KARIATEBIKE	9/02/18	8/03/18	4/04/18	8/05/18	3/06/18	10/06/18	15/08/18	4/09/18	9/10/18	5/11/18	12/12/18	9/01/19
	ABATIKU	9/02/18	8/03/18	12/04/18	14/05/18	14/06/18	10/07/18	8/08/18	10/09/18	12/10/18	6/11/18	14/12/18	14/01/19
	TABIANG	14/02/18	6/03/18	12/04/18	15/05/18	15/08/18	10/07/18	15/08/18	4/09/18	9/10/18	5/11/18	14/12/18	14/01/19
	TEKATIRIRAKE	9/02/18	8/03/18	12/04/18	9/05/18	3/06/18	10/07/18	15/08/18	4/09/18	4/10/18	5/11/18	6/12/18	18/01/19
	BARETOA	6/03/18	6/03/18	2/04/18	1/05/18	1/06/18	3/07/18	7/08/18	3/09/18	2/10/18	8/11/18	6/12/18	9/01/19
	KABANGAKI	2/02/18	13/03/18	6/04/18	8/05/18	8/06/18	10/07/18	15/08/18	4/09/18	9/10/18	9/11/18	6/12/18	9/01/19
	TEBWANGA	9/02/18	6/03/18	6/04/18	8/05/18	1/06/18	10/07/18	15/08/18	5/09/18	4/10/18	13/11/18	6/12/18	9/01/19
Nonouti	TEBOBONGA	12/02/18	13/03/18	10/04/18	10/05/18	12/06/18	13/07/18	14/08/18	17/09/18	9/10/18	9/11/18	11/12/18	15/01/19
	TEMOTU	12/02/18	13/03/18	10/04/18	15/04/18	12/06/18	16/07/18	14/08/18	17/09/18	9/10/18	12/11/18	11/12/18	15/01/19
	TEUABU	12/02/18	13/03/18	10/04/18	10/05/18	12/06/18	16/07/18	14/08/18	17/09/18	9/10/18	9/11/18	11/12/18	15/01/19
	ABAMAKORO	12/02/18	13/03/18	10/04/18	15/05/18	12/06/18	16/07/18	8/08/18	17/09/18	9/10/18	9/11/18	11/12/18	15/01/19

	MATABOOU	12/02/18	13/03/18	10/04/18	15/05/18	12/06/18	16/07/18	14/08/18	17/09/18	9/10/18	9/11/18	11/12/18	15/01/19
	ROTIMWA	12/02/18	13/03/18	10/04/18	14/05/18	12/06/18	13/07/18	14/08/18	17/09/18	9/10/18	9/11/18	11/12/18	15/01/19
	TABOIAKI	13/02/18	13/03/18	10/04/18	10/04/18	12/06/18	13/07/18	14/08/18	17/09/18	9/10/18	9/11/18	11/12/18	15/01/19
	TEMANOKU(Nonouti)	12/02/18	13/03/18	10/04/18	10/05/18	12/06/18	13/07/18	14/08/18	10/10/18	2/10/18	9/11/18	11/12/18	15/01/19
Tab North	SKH	3/05/18	13/03/18	13/04/18	1/05/18	18/10/18	18/10/18	18/10/18	18/10/18	18/10/18	14/11/18	14/12/18	
	UTIROA	15/02/18	15/03/18	13/04/18	15/05/18	15/03/19	10/07/18	13/08/18	10/09/18	10/10/18	15/03/19	14/12/18	10/01/19
	TANAEANG	6/01/18	15/03/18	13/04/18	15/05/18	10/07/18	10/07/18	15/08/18	10/09/18	10/10/18	15/11/18	14/12/18	15/01/19
	BUOTA(Tab.N)	14/03/18	13/03/18	13/04/18	15/05/18	15/06/18	10/07/18	13/08/18	10/09/18	15/10/18	13/11/18	14/12/18	
	TENATORUA	15/02/18	15/03/18	13/04/18	15/05/18	15/06/18	9/07/18	15/08/18	10/09/18	10/10/18	15/11/18	14/12/18	15/03/19
	AIWA	3/05/18	14/03/18	15/03/19	15/04/18	15/03/19	2/07/18	15/08/18	10/09/18	10/11/18	15/03/19	14/12/18	15/03/19
	TEKABUIBUI	12/02/18	15/03/18	13/04/18	15/05/18	15/06/18	16/07/18	15/08/18	10/09/18	15/10/18	9/11/18	14/12/18	16/03/19
	KABUNA	14/02/18	15/03/18	13/04/18	15/05/18	15/06/18	10/07/18	13/08/18	10/09/18	10/10/18	15/11/18	14/12/18	10/01/19
	TAUMA	15/02/18	15/03/18	13/04/18	15/05/18	15/06/18	10/07/18	15/08/18	10/09/18	10/10/18		14/12/18	10/01/19
	TEKAMAN	New Clinic	New Clinic	New Clinic	15/04/18	15/06/18	10/07/18	15/08/18	10/09/18	15/10/18	15/11/18	14/12/18	10/01/19
Tab South	BUARIKI(Tab.S)	14/02/18	18/04/18	13/04/18	4/05/18	18/06/18	16/07/18	21/08/18	10/09/18	9/10/18	3/11/18	10/12/18	13/02/19
	TEWAI	14/02/18	18/04/18	18/04/18	4/05/18	18/06/18	16/07/18	21/08/18	10/09/18	9/10/18	13/11/18	15/12/18	13/02/19
	TAKU	14/02/18	18/04/18	18/04/18	4/05/18	18/06/18	16/07/18	11/09/18	10/09/18	9/10/18	3/11/18	12/12/18	
Onotoa	BURAITAN	15/02/18	8/03/18	13/04/18	15/04/18	11/06/18	10/07/18	14/08/18	11/09/18	9/10/18	9/11/18	14/12/18	15/01/19
	AIAKI	15/02/18	8/03/18	13/04/18	15/04/18	11/06/18	10/07/18	13/08/18	11/09/18	7/10/18	9/11/18	11/12/18	15/01/19
	TABUARORAE	15/02/18	8/02/18	13/04/18	15/04/18	14/06/18	10/07/18	14/08/18	11/09/18	7/10/18	9/11/18	11/12/18	15/01/19
	TEKATANA	15/02/18	8/03/18	13/03/18	15/05/18	15/06/18	10/07/18	13/08/18	3/09/18	7/10/18	9/11/18	11/12/18	15/01/19
	ОТОАЕ	15/02/18	8/03/18	13/04/18	15/04/18	11/06/18	4/07/18	14/08/18	11/09/18	7/10/18	9/11/18	14/12/18	15/01/19
Beru	TEMARA	12/02/18	19/03/18	11/04/18	15/05/18	8/06/18	27/11/18	8/08/18	15/10/18	15/10/18	9/11/18	15/01/19	15/01/19
	NAMON	20/02/18	15/03/18	11/04/18	15/05/18	8/06/18	16/07/18	15/08/18	11/09/18	9/10/18	9/11/18	14/12/18	15/01/19
	AONNATI	12/02/18	20/03/18	18/04/18	15/05/18	8/06/18	16/07/18	15/08/18	10/09/18	9/10/18	10/11/18	11/12/18	15/01/19

Nikunau	MWANRUNGA	12/02/18	13/03/18	4/04/18	9/05/18	15/06/18	10/07/18	9/08/18	2/10/18	2/10/18	9/11/18	18/12/18	14/01/19
	MURITOA	12/02/18	15/03/18	4/04/18	15/05/18	15/06/18	4/07/18	9/08/18	4/09/18	2/10/18	9/11/18	14/12/18	14/01/19
	NIKUMATANG	12/02/18	14/03/18	13/03/18	15/05/18	14/06/18	15/07/18	9/08/18	5/09/18	4/10/18	13/11/18	14/12/18	14/01/19
Tamana	MOTOIA	9/02/18	13/03/18	13/04/18	10/05/18	14/06/18	4/07/18	15/08/18	5/09/18	3/10/18	9/11/18	6/12/18	9/01/19
Arorae	TARIBO	23/03/18	6/03/18	13/04/18	10/08/18	15/06/18	14/08/18	2/10/18	6/09/18	3/10/18	15/11/18	11/12/18	11/01/19
ТСН	TCH-DIABETIC	19/09/18	4/04/18	4/04/18	19/09/18	15/06/18	19/07/18	16/08/18	19/09/18	16/10/18	13/11/18	12/12/18	10/01/19
	KFHA	27/02/18	12/03/18	18/04/18	11/09/18	10/09/18	31/07/18	15/08/18	11/09/18	25/10/18	5/12/18	14/12/18	8/01/19
	TCH-GYNAE	14/02/18	15/03/18	12/08/18	12/08/18	12/08/18	12/08/18	12/08/18	18/09/18	15/10/18			
	ТСН-ТВ	15/02/18	14/03/18	15/05/18	15/05/18	12/06/18	9/07/18	15/02/19	14/09/18	9/10/18		14/12/18	14/02/19
	TCH-ANC	15/02/18	15/03/18	13/04/18	2/07/18	3/01/19	10/07/18	14/08/18	3/01/19	14/11/18	14/11/18	3/01/19	3/01/19
	TCH-Leprosy	28/02/18	14/03/18	16/04/18	24/05/18	15/06/18	22/06/18	22/08/18	20/09/18	7/03/19	7/03/19	7/03/19	7/03/19
	TCH-IMCI	2/02/18	1/03/18	5/04/18	2/05/18	1/06/18	2/07/18	1/07/18	3/09/18	4/10/18	1/11/18	4/12/18	4/01/19
	HEALTHY FAMILY	15/02/18	19/03/18	10/04/18	15/06/18	15/06/18	14/07/18	12/08/18	5/03/19	16/10/18	5/03/19	5/03/19	5/03/19
	YOUTH FRIENDLY HEALTH SERVICE												
	RH	7/11/18	8/11/18	8/11/18	8/11/18	8/11/18	8/11/18	8/11/18	8/11/18	8/11/18	8/11/18	8/11/18	
	AHD												
	Anaieta Pharmacy												
	Prison	27/07/18	27/07/18	27/07/18	27/07/18	27/07/18	27/07/18	14/08/18	13/09/18				

Notes			