



Kiribati Annual Health Bulletin 2015

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



Preface

The Kiribati Annual Health Bulletin is the main comprehensive report which gives health related information in Republic of Kiribati. For efficient and effective delivery of health care; up to date as well as accurate health information is vital for the decision makers. This bulletin also provides information needed for researchers, planners and others who are interested in health sector development.

The bulletin provides information on government health sector and presents information on four major areas, morbidity, mortality, resource availability and provision of services. The information has been revised and brought up to date to reflect, as far as possible, the situation during the year 2015.

I wish to place on record my sincere appreciation to all officials who extended their energy and wisdom generously in providing data pertaining to their respective institutions and programs.

Efforts in data compilation; which was the major task in preparation of this publication; was undertaken by the staff of Health Information Unit of Ministry of Health and Medical Services and was guided by the Consultant on Health Information Systems from the World Health Organization, for which they deserve a very special note of appreciation.

The Medical Records Department of the Ministry of Health and Medical Services is also acknowledged for the great support extended in publishing the Kiribati Annual Health Bulletin 2015.

Dr. Teatao Tiira Permanent Secretary Ministry of Health and Medical Services

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Acronyms & Abbreviations

ARI	Acute Respiratory Infection
ВН	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
ТСН	Tungaru Central Hospital
U5MR	Under-five Mortality Rate

Key Health Related Indicators at a glance

Year 2010 2015 2015 2011 2011 2014 2015	No. 103,058 2,066 612 70 80.1	Rate 20.0 5.9	Source National Statistics Office
2015 2015 2011 2011 2014	2,066 612 70		
2015 2015 2011 2011 2014	2,066 612 70		
2015 2011 2011 2014	612 70		
2011 2011 2014	70	5.9	KHIS & MS1
2011 2014			
2014	80.1	75.4	
	00.1	75.1	Annual Report, MHMS
2015	811		World Bank
2015			
	21	10.2	
2015	67	32.4	
2015	122	59.1	
2015	4	193.6	
2015	156	45.9	
2015	150	40.9	KHIS & MS1
2015	2	0.2	
2015	2	5.4	
2015	177	221.2	
2015	1//	551.2	
2015	54 747	531.2	
2015	54,747	551.2	
2015	320	15.2	MS1
2015	520	15.2	
2015	11 272	5.4	
			KHIS & MS1
			MS1
			MS1 & TB control program
		79.7	
		11.2	MS1
2015	185	11.3	KHIS
2015	2 671	20.2	NAC1
			MS1
			KHIS & MS1
	-		NAC4
			MS1
	4,496		кніз
2015		9.5	
2015	172	1.7	KHIS
2015	42	4.7	
2015		2,453.8	
2015	6	0.6	
2015		17,176.3	
2015	39	3.8	
2015		2,642.5	
2015	208	20.2	MHMS Accounts Division
2015		495.5	
	105		
	100		
	5	501.5	
			KHIS
			NI II J
			MS1
			KHIS
	2015 2015 2015 2015 2015 2015 2015	201522015177201554,747201554,747201511,27220151292015795201443420151622015162201514,457201513,640201513,4457201510,454201510,454201510,454201510,454201510,454201510,454201510,4542015107220154202015172201517220151722015208201520820152082015105201530201531201533201533201533201533201533201533201531	201523.42015177331.2201554,747531.2201554,747531.2201511,2725.4201511,2725.420151296.220157955.72014434421.1201516212015162120151,44549.7201513,64046.9201513,64046.9201513,64046.9201513,64046.9201513,64046.9201513,64046.9201513,64046.9201510,4540.1201510,4540.120152,44539.520151721.720154224.720151721.7201520152.4453.82015393.8201520820.2201520820.2201520820.22015320.52015320.52015320.52015320.52015320.52015320.52015320.52015320.52015320.520153120.520153120.520153120.52015312015 <td< td=""></td<>

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. They have a total land area of 811 square kilometers and are dispersed over 3.5 million square kilometers. Their spread straddles the equator and the International Date Line (Figure 1).

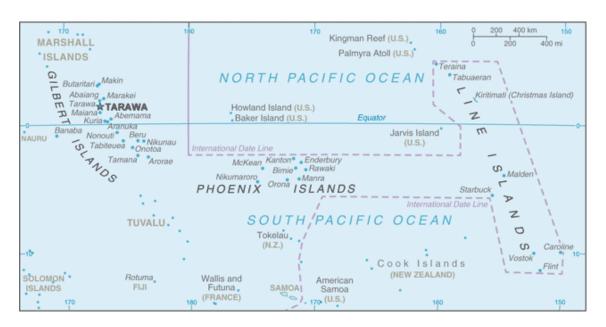


Figure 1: Map of Republic of Kiribati displaying the groups of islands

According to 2010 population and housing census the total population of Kiribati is 103,058 (latest official figure). The vast majority (>90%) of people inhabit the Gilbert Islands, with more than 33% populating an area of about 16 km² on South Tarawa. Until recently, the people of Kiribati mostly lived in villages with populations between 50 and 3,000 on the outer islands. Most houses are made of materials obtained from coconut and pandanus trees. Frequent droughts and infertile soil hinder reliable large-scale agriculture, so the islanders have largely turned to the sea for livelihood and sustenance. Most are outrigger sailors and fishermen. Copra plantations serve as a second source of employment. In recent years large numbers of citizens have moved to the more urban island capital of Tarawa. Increasing urbanisation has raised the population of South Tarawa to 50,182.

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 23 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 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 23 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 (56%), although a substantial portion of the population is Kiribati Uniting Church (34%). Many other Protestant denominations, including more evangelical types, are also represented. The Bahá'í faith religion also exists in Kiribati (2.2%), along with Jehovah's Witnesses and The Church of Jesus Christ of Latter-Day Saints (LDS Church) (4.7%).

Health situation and trends

While the country only has a total land area of 811 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, communicable diseases remain a significant disease burden in Kiribati. Overall, life expectancy in Kiribati is low for the Pacific region. In 2011, life expectancy at birth was estimated at 70 for males and 80.1 for females (Ministry of Health and Medical Services, 2011).

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).

Primary Health Care

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

The smallest and lower most facility based primary care service at grass root level is named as village clinics and are manned by a specially trained Public Health Nurse (PHN). They are able to deliver a minimum package of curative and preventive health care. Village clinics are situated in each village and number at present stand at 81.

At island level, health centres provides a higher and wider range of services than a village clinic. They provide both inpatient and outpatient services manned by a Medical Assistant (MA). The MAs either possess a degree in bachelor of nursing or a public health degree. At least one health centre is situated in each inhabited island and at present the number stands at 21.

Hospital Care

In Kiribati, secondary care is provided through four hospitals. TCH is the specialized 126 bedded hospital in the country located in Nawerewere, Tarawa. It provides emergency & outpatient care facilities and inward facilities in four major specialties namely Internal Medicine, Surgery, Paediatrics and Gynaecology & Obstetrics. In addition a special ward for Tuberculosis patients and a paying ward is also present at TCH. TCH is staffed with medical specialists as well as general medical officers. It also functions as a training centre for Intern Medical Officers (IMO) and for primary health care workers. Southern Kiribati Hospital (SKH) situated in South Tarawa is a 20 bed hospital while Betio Hospital (BH) located in Tabiteuea,

North Island consist of 18 beds. Another 8 bedded facility is located in Kiritimati, Line & Phoenix Islands and is named as London Kiritimati Hospital (LKH).

Private Health Sector

The private health care facilities are not available in Kiribati at present.

Kiribati health system

The government of Kiribati is the main provider of health services in the country. Government health facilities includes the four hospitals, 21 health centres and 81 village clinics. In addition to these health facilities there are six other health care providers that also report to the Health Information Unit (HIU), and include Integrated Management of Children's Illness (IMCI) clinic, Gynaecology clinic, Kiribati Family Health Association (KFHA), Diabetic clinic, Reproductive Health Development and Adolescent Health Development. 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 2009, the government spent approximately 16.5% of its total recurrent budget on health, taking the second largest share next to education (MHMS, 2011).

2. Key Health Related Indicators with definitions

#	Indicator and Definition	2015
Dem	ographic	
1.	Total population*	103,058
	2010 census population (National Statistics Office - latest available official figure)	
2.	Crude Birth Rate (per 1,000 population*)	20.0
	Number of live births per year (per 1,000 population)	
3.	Crude Death Rate (per 1,000 population*)	5.9
	Number of deaths per year (per 1,000 population)	
4.	Life Expectancy at Birth (years)** Male	75.4
	2011 Annual Report MHMS Female	75.1
5.	Land area (km ²)***	811
	2014 World Bank Data	
Healt	h and Nutrition	
6.	Neonatal Mortality Rate	10.2
	Probability of dying between birth and age 28 days (per 1,000 live births)	
7.	Infant Mortality Rate	32.4
	Probability of dying between birth and age 1 year (per 1,000 live births)	
8.	Under-five Mortality Rate	59.1
	، Probability of dying by age 5 years (per 1,000 live births)	
9.	Maternal Mortality Rate	193.6
	Probability of a female dying due to a maternal cause (per 100,000 live births)	
10.	Adult mortality rate from NCDs*	45.9
	Probability of dying between age 30-69 years from NCDs in a given year (per	
	10,000 population age 30-69 years)	
11.	Mortality rate from road traffic injuries*	0.2
	Probability of dying from road traffic injuries in a given year (per 10,000	
	population)	
12.	Adolescent birth rate for 10-14 years*	3.4
	Probability of giving birth between the age 10-14 years in a given year (per 10,000	
	girls age 10-14 years)	
13.	Adolescent birth rate for 15-19 years*	331.2
	Probability of giving birth between the age 15-19 years in a given year (per 10,000	
11	girls age 15-19 years)	F24 2
14.	Contraceptive use*	531.2
	Total number of contraceptive contacts (all forms) seen at health facilities in one	
15.	year (per 1,000 population) Access to antenatal care	5.4
10.		5.4
16.	The average number of antenatal clinic visits attended per mother in one year Percentage of pregnant mothers received at least one home visit by PHN	15.2
10.	The average number of home visits by PHN per mother in one year	13.2

#	Indicator / Definition	2015
17.	Percentage of Low Birth Weight	6.2
17.	Percentage of low birth weight (<2500g) baby (per 100 live births)	0.2
18.	Malnourished children <5 years	5.7
10.	Percentage of children (aged <5 years) classified as malnourished or severely	5.7
	malnourished in the MS1 Health Facility Monthly Reporting Form	
19.	Tuberculosis case notification rate*	421.1
19.	The number of bacteriologically confirmed (new and relapse) tuberculosis cases in a	72111
	given year (per 100,000 population)	
20.	Tuberculosis treatment success rate	79.7
	Percentage of new, bacteriologically confirmed smear-positive tuberculosis cases	
	that were cured or in which a full course of treatment was completed	
21.	Number of Leprosy cases (new and relapses)	162
22.	Acute respiratory infection (ARI) in children treated at Tungaru Central Hospital*	11.3
	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)	
23.	Children immunized against measles*	89.2
	Percent of children (aged <1 year) who have received one dose of measles-	
	containing vaccine in one year	
24.	Diabetes	49.7
	Percent of people presenting to health facilities with diabetes (confirmed or	
	suspected) among all the people presenting to health facilities with NCDs	
25.	Hypertension	46.9
	Percent of people presenting to health facilities with hypertension (confirmed or	
	suspected) among all the people presenting to health facilities with NCDs	
26.	Outpatient consultations per capita*	5.2
	Number of visits for ambulant care, not including immunizations, for the total	
	population (including repeat visits) per capita	
27.	Outpatient consultations per capita for Tungaru Central Hospital*	0.1
	Number of visits to Tungaru Central Hospital for ambulant care, not including	
	immunizations, for the total population (including repeat visits) per capita	
28.	Tungaru Central Hospital (patient discharges)	96.1
	Weekly average number of patients discharged from all TCH wards in a given year	
29.	Tungaru Central Hospital (bed occupancy)	102.8
	Proportion of available acute inpatient beds that have been occupied over one year	
30.	Tungaru Central Hospital (average length-of-stay)	9.5
	Average number of days patients spend in hospital	

#	Indicator / Definition	2015
Healt	n Resources	
31.	Number of Hospital Beds per 1,000 population*	1.7
32.	Availability of Medical Officers*	4.1
	Number of Medical Officers in a given year (per 10,000 population)	
33.	Population per Medical Officer*	2,453.8
	Population: Medical Officer ratio	
34.	Availability of Dental Surgeons*	0.6
	Number of Dental Surgeons in a given year (per 10,000 population)	
35.	Population per Dental Surgeon*	17,176.3
	Population: Dental Surgeon ratio	
36.	Availability of Medical Assistants*	3.8
	Number of Medical Assistants in a given year (per 10,000 population)	
37.	Population per Medical Assistant*	2,642.5
	Population: Medical Assistant ratio	
38.	Availability of Nurses*	20.2
	Number of Nurses in a given year (per 10,000 population)	
39.	Population per Nurse*	495.5
	Population: Nurse ratio	
40.	Availability of Midwives*	10.2
	Number of Midwives in a given year (per 10,000 population)	
41.	Population per Midwife*	981.5
	Population: Midwife ratio	
42.	Number of Pharmacists available	5
43.	Number of Physiotherapists available	3
44.	Number of Hospitals	4
45.	Number of Health Centers	21
46.	Number of Village Clinics	81
47.	Number of Hospital Beds	172
*	2010 Census population figures were used to calculate the relevant indicators	
**	2011 Annual Report of MHMS	

3. Demographic Information

Crude Birth Rate: Number of live births per year (per 1,000 population): 20.0

CBR =	Number of live births (2,066)	X 1,000			
	Total population (103,058)	X 1,000			
Methodological/System Issues:					
• 2010 census population (latest official figures available) is used as base population.					
• Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting especially					
data fror	data from MS1.				
Births wi	th unrecorded outcomes were counted a	as live births.			

Fertility data is weak in the country.

Crude Death Rate: Number of deaths per year (per 1,000 population): 5.9

CDR =	Number of deaths (612) X 1,000 Total population (103,058)				
Methodologi	ical/System Issues:				
• 2010 cer	• 2010 census population (latest official figures available) is used as base population.				
• Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting especially data from MS1.					
Mortality	Mortality data is weak in the country.				
certificat	y data is derived from the final diagnoses documented in the Medical Records (MRs) since death tes are not issued to majority of deaths. Hence the actual underlying cause(s) of death could be deferent e current cause(s) of death data.				

• Strengthened reporting from TCH would contribute to confirming the total number of deaths.

4. Health Resources

Table 2: Health institutions in Kiribati		
Type of health facility		No.
Hospitals		4
Island Health Centers		21
Village Clinics/Dispensaries		81
	Total number of health institutions	106

Source: KHIS and MS1 as of 31.12.2015

Number of Hospital Beds: 172

Table 3: Bed strength and location of leading hospitals

Hospital	Location	No. of Beds
Tungaru Central Hospital (TCH)	Nawerewere, Tarawa	126
Southern Kiribati Hospital (SKH)	South Tarawa	20
Betio Hospital (BH)	Tabiteuea, North Island	18
London Kiritimati Hospital (LKH)	Kiritimati, Line & Phoenix Islands	08
	Total bed strength	172

Source: KHIS as of 31.12.2015

figures.

Number of Hospital Beds per 1,000 population:

	Number of Hospital Beds per	Total number of Hospital Beds available (172)	X 1,000		
	1,000 population =	Total population (103,058)	X 1,000		
М	Methodological/System Issues:				
•	 2010 census population (latest official figures available) is used as base population. 				
•	Data for 2015 has been sourced from t	he KHIS.			

1.7

TCH Bed Occupancy Rate: Proportion of available acute inpatient beds that have been occupied over one year: **102.8**

	TCH Bed Occupancy Rate =	<u>Total In-patient Service Days (47,261)</u> Total Bed Days (45,990)	X 100		
Me	Methodological/System Issues:				
•	• Data for 2015 has been sourced from the KHIS and is likely to be affected by under-counting.				
•	• Strengthened reporting and timely completion of data entering from TCH would contribute to more accurate				

16

TCH (average length-of-stay): Average number of days patients spend in hospital: 9.5

TCH Average Length-of-stay =	Total In-patient Service Days (47,261) Total number of admissions (4,996)
Mathedalarical /Custom Jacuasi	

Methodological/System Issues:

• Data for 2015 has been sourced from the KHIS and is likely to be affected by under-counting.

• Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

Table 4: In-patient days, Bed days and Bed occupancy rates for TCH

Ward	In-patients days	Bed days	Bed occupancy [%]
TCH-Medical	8,998	7,665	117.4
TCH-Surgical	9,850	11,315	87.1
TCH-Paediatric	11,880	9,855	120.6
TCH-Obstetric	8,600	7,665	112.2
TCH-Private	3,455	2,920	118.3
ТСН-ТВ	4,478	6,570	68.2
Total	47,261	45,990	102.8

Source: KHIS as of 31.12.2015

5. Country Health Manpower

Availability of Medical Officers: Number of Medical Officers (per 10,000 population): 4.1

ſ	Medical Officers per 10,000	Total number of Medical Officers enrolled for the year (42)	V 10 000		
	population =	Total population (103,058)	X 10,000		
М	Methodological/System Issues:				
•	2010 census population (latest official figures available) is used as base population.				
•	Health manpower data for 2015 has been sourced from the accounts division of MHMS.				
•	KHIS should be modified to include data on health manpower.				

Population per Medical Officer: Population: Medical Officer Ratio: 2,453.8

Deputation non Madian Officer	Total population for the year (103,058)		
PC	Population per Medical Officer =	Total number of Medical Officers enrolled for the year (42)	
Me	Methodological/System Issues:		
٠	2010 census population (latest official figures available) is used as base population.		
•	Health manpower data for 2015 has been sourced from the accounts division of MHMS.		
•	 KHIS should be modified to include data on health manpower. 		

KHIS should be modified to include data on health manpower.

Availability of Dental Surgeons: Number of Dental Surgeons (per 10,000 population): 0.6

	Dental Surgeons per 10,000	Total number of Dental Surgeons enrolled for the year (6)	X 10,000		
	population =	Total population (103,058)	X 10,000		
Me	Methodological/System Issues:				
•	2010 census population (latest official figures available) is used as base population.				
•	 Health manpower data for 2015 has been sourced from the accounts division of MHMS. 				
•	KHIS should be modified to include data on health manpower.				

Population per Dental Surgeon: Population: Dental Surgeon ratio: 17,176.3

D	Population per Dental Surgeon =	Total population for the year (103,058)	
FU		Total number of Dental Surgeons enrolled for the year (6)	
M	ethodological/System Issues:		
•	 2010 census population (latest official figures available) is used as base population. 		
•	Health manpower data for 2015 has been sourced from the accounts division of MHMS.		
•	KHIS should be modified to include	e data on health manpower.	

Availability of Medical Assistants: Number of Medical Assistants (per 10,000 population): 3.8

	Medical Assistants per	Total number of Medical Assistants enrolled for the year (39)	X 10 000		
	10,000 population =	Total population (103,058)	X 10,000		
Me	Methodological/System Issues:				
٠	2010 census population (latest official figures available) is used as base population.				
•	Health manpower data for 2015 has been sourced from the accounts division of MHMS.				
•	KHIS should be modified to include data on health manpower.				

Population per Medical Assistant: Population: Medical Assistant ratio: 2,642.5

	Population per Medical	Total population for the year (103,058)	
	Assistant =	Total number of Medical Assistants enrolled for the year (39)	
Me	Methodological/System Issues:		
٠	2010 census population (latest official figures available) is used as base population.		
•	• Health manpower data for 2015 has been sourced from the accounts division of MHMS.		
٠	KHIS should be modified to include data on health manpower.		

Availability of Nurses: Number of Nurses (per 10,000 population): 20.2

N	urses per 10,000 population =	<u>Total number of Nurses enrolled for the year (208)</u> Total population (103,058)	X 10,000	
Me	Methodological/System Issues:			
•	 2010 census population (latest official figures available) is used as base population. 			
•	Health manpower data for 2015 has been sourced from the accounts division of MHMS.			
•	KHIS should be modified to include of	data on health manpower.		

Population per Nurse: Population: Nurse ratio: 495.5

	Population per Nurse =	Total population for the year (103,058)							
Total number of Nurses enrolled for the year (208) Methodological/System Issues:									
•	 2010 census population (latest official figures available) is used as base population. 								
•	Health manpower data for 2015 has been sourced from the accounts division of MHMS.								
•	KHIS should be modified to include	e data on health manpower.							

Availability of Midwives: Number of Midwives (per 10,000 population): 10.2

<u>Total number of Midwives enrolled for the year (105)</u> Total population (103,058)	X 10,000							
• 2010 census population (latest official figures available) is used as base population.								
Health manpower data for 2015 has been sourced from the accounts division of MHMS.								
data on health manpower.								
	Total population (103,058) ial figures available) is used as base population.							

Population per Midwife: Population: Midwife ratio: 981.5

Dopulation per Midwife -	Total population for the year (103,058)							
Population per Midwife =	Total number of Midwives enrolled for the year (105)							
Methodological/System Issues:								
• 2010 census population (latest offi	2010 census population (latest official figures available) is used as base population.							
Health manpower data for 2015 ha	s been sourced from the accounts division of MHMS.							

• KHIS should be modified to include data on health manpower.

Table 5: Health manpower for Kiribati health institutions

Hospital	Medical Consultants	MOs	IMOs	Dental Surgeons	MAs	Nurses	PHN	Pharmacists	Physio's	Total
тсн	8	4	23	5	2	135	0	5	3	185
SKH	3	0	0	0	0	13	0	0	0	16
BH	0	1	0	0	1	31	0	0	0	33
LKH	3	0	0	1	0	18	0	0	0	22
Health Centre	0	0	0	0	35	0	0	0	0	35
Village Clinic	0	0	0	0	0	0	105	0	0	105
Mental Ward	0	0	0	0	1	11	0	0	0	12
Total	14	5	23	6	39	208	105	5	3	408

Source: Accounts division of MHMS

1.11			Staff availability				
Island	Health Centre	Village Clinic	MA*	PHN**			
Makin	Makin	Anrawa	1	1			
		Kiebu	-	1			
Butaritari	Butaritari	Kuma	1	2			
		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			
		Taniau	-	1			
		Ribono	-	1			
		Tebunginako	-	1			
		Koinawa	_	1			
		Tanimaiaki (Abaiang)	-	1			
		Ubwarano	-	1			
		Tuarabu	-	1			
Tarawa North	Abaokoro	Tearinibai	1	2			
		Buariki (Tarawa North)	-	1			
		Taratai	-	1			
		Tabiteuea	-	1			
		Nabeina	-	1			
TUC		Bonriki	1	2			
		Temwaiku	1	2			
		Bikenibeu East	1	2			
		Bikenibeu West	1	2			
Tarawa North		Eita	1	2			
		Ambo	1	1			
		Banraeaba	1	2			
		Teaoraereke	1	2			
		Nanikai	-	1			
		Bairiki	1	5			
BTC		Temanoku (BTC)	1	2			
		Takoronga	1	2			
		Temakin	1	2			
Banaba	Banaba	-	1	1			
	Tabontekeekee	Tekaranga	1	1			
Telululu	TUDOILERCERCE	Bubutei		1			
TUC Banaba Maiana		Tebikerai	-	1			
		repireral	-	1			

Table 6: Location and staff availability of Health Centers and Village Clinics

Table 6: (Continued) Location and staff availability of Health Centers & Village Clinics

Island	Lleelth Contro	Village Clinie	Staff availa	Staff availability			
Island	Health Centre	Village Clinic	MA	PHN			
Kuria	Kuria	Oneke	1	1			
Aranuka	Aranuka	Takaeang	1	1			
		Baurua	-	1			
Abemama	Kariatebike	Abatiku	1	2			
		Tabiang	-	1			
		Tekatirirake	-	1			
		Baretoa	-	1			
		Kabangaki	-	1			
Nonouti	Tebobonga	Temotu	1	1			
		Teuabu	-	1			
		Abamakoro	-	1			
		Mataboou	-	1			
		Rotimwa	-	1			
		Taboiaki	-	1			
		Temanoku (Nonouti)	-	1			
Tab North	Utiroa	Tanaeang	1	2			
		Buota	-	1			
		Tenatorua	-	1			
		Aiwa	-	1			
		Tekabuibui	-	1			
		Kabuna	-	1			
		Tauma	-	1			
Tab South	Buariki	Tewai	1	1			
		Taku	-	1			
Onotoa	Buraitan	Aiaki	1	1			
		Tabuarorae	_	1			
		Tekatana	-	1			
		Otoae		1			
Beru	Temara	Namon	1	2			
		Aonnati	-	1			
Nikunau	Nikumatang	Muritoa	1	1			
		Mwanrunga	-	1			
Tamana	Motoia	-	1	1			
Arorae	Taribo	-	1	1			
Kiritimati		London	2	2			
		Banana	-	1			
		Poland	-	1			
		Tabwakea		1			
Tabuaeran (Fanning)	Paelau	Napali	1	1			
		Aramari	-	1			
Teraina (Washington)	Arabata	Mwakeuea	1	1			
Kanton	Canton	-	1	1			

Source: Accounts division of MHMS

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: **0.1**

OPD consultations per capita	Total number of outpatient consultations at TCH for the year (10,454)
(for TCH) =	Total population (103,058)

Methodological/System Issues:

• Data for 2015 has been sourced from the KHIS and is likely to be affected by under-counting.

• Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more accurate figures.

TCH (patient discharges): Weekly average number of patients discharged from all TCH wards in a given year: **96.1**

TCH (weekly patient discharges) =	Total number of discharges for the year from TCH (4,996)								
i ch (weekiy patient discharges) –	Number of weeks per year (52)								
Methodological/System Issues:									
• Data for 2015 has been sourced from the KHIS and is likely to be affected by under-counting.									
Strengthened reporting and timely con	• Strengthened reporting and timely completion of data loading to KHIS from TCH would contribute to more								

• 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): **11.3**

T		<u>Total number of ARI cases (0-5 years) seen at TCH (185)</u>	X 1 000						
TCH ARI Moderate/Severe =		Total (0-5 years) population (16,442)	X 1,000						
Me	ethodological/System Issues:								
•	2010 census population (latest official figures available) is used as base population.								
•	Data for 2015 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.								
٠	Morbidity data is weak in the co	ountry.							

Outpatient consultations per capita: Number of visits for ambulant care, not including immunizations, for the total population (including repeat visits) per capita: **5.2**

OPD consultations per capita	Total number of outpatient consultations for the year (533,358)							
(all health institutes) =	Total population (103,058)							
Methodological/System Issues:								
• 2010 census population (latest of	ficial figures available) is used as base population.							
• Data for 2015 has been sourced f	rom the KHIS & MS1 and is likely to be affected by under-counting or multiple							
counting.								
• Morbidity data is weak in the cou	ntry.							

Table 7: Basic patient statistics for TCH Age Total Less than 1yr 1-4yrs 5-15yrs 16-29yrs 30-69yrs 70+yrs Grand Unrecorded Category Total Male Female Male Female Male Female Male Male Female Male Female Male Female Male Female EOPD Visits **10,454** 4,953 5,501 2,003 1,841 1,890 2,527 Hospital Admissions **4,996** 1,799 3,197 1,249 1,367 OPD Deaths Inpatient Deaths

Source: KHIS as of 31.12.2015

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

Ward Category	Sub	Тс	otal	Less t	han 1yr	1-4	4yrs	5-1	.5yrs	16-2	29yrs	30-	69yrs	70)+yrs	Age Unreco	orded
Ward category	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
TCH-Medical	1,063	532	531	-	-	-	-	19	19	105	90	367	363	39	54	2	5
TCH-Obstetric	1,546	-	1,546	-	-	-	-	-	4	-	986	-	556	-	-	-	-
TCH-Paediatric	1,065	633	432	181	129	344	244	107	56	-	-	-	-	-	-	1	3
TCH-Private	297	130	167	2	4	11	6	13	4	3	26	91	104	9	23	1	
TCH-Surgical	914	447	467	-	-	1	-	24	6	73	123	337	321	11	15	1	2
ТСН-ТВ	111	57	54	-	-	-	-	3	6	18	24	35	23	1	1	-	
Grand Total	4,996	1,799	3,197	183	133	356	250	166	95	199	1,249	830	1,367	60	93	5	10

Source: KHIS as of 31.12.2015

Table 9: Inpatient Morbidity Statistics for Health Centers and Clinics

Comico	_					Mont	h						Total
Service	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Admissions	280	201	256	274	256	252	158	219	215	261	286	141	2,799
Discharges	237	200	239	272	232	236	157	192	167	223	241	415	2,811
Patient days	785	541	752	752	1,481	911	770	983	793	981	1,110	764	10,623

Source: MS1 as of 31.12.2015

Table 10: Outbreak reporting

Month												Total
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOLAI
15	3,958	609	10	-	-	-	15	-	-	1	-	4,608
-	2,851	357	140	1	98	16	75	-	12	-	-	3,550
-	-	24	-	-	-	-	-	-	-	-	-	24
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	1	1	-	55	48	-	-	105
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	2	8	-	5	23	75	-	2	-	115
-	590	626	404	227	16	3	95	-	-		-	1,961
	15 - - - - - - - - - -	15 3,958 - 2,851 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	15 3,958 609 - 2,851 357 - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	15 3,958 609 10 - 2,851 357 140 - 2,851 357 140 - - 24 - - - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2	Jan Feb Mar Apr May 15 3,958 609 10 - 2,851 357 140 1 - 2,851 357 140 1 - 2,851 357 140 1 - - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <t< td=""><td>Jan Feb Mar Apr May Jun 15 3,958 609 10 - - - 2,851 357 140 1 98 - 2,851 357 140 1 98 - 2,851 357 140 1 98 - 2,851 357 140 1 98 - - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - 2 8 -</td><td>Jan Feb Mar Apr May Jun Jul 15 3,958 609 10 - - 15 3,958 609 10 - - 2,851 357 140 1 98 16 - 2,851 357 140 1 98 16 - 2,851 357 140 1 98 16 - 2,851 357 140 1 98 16 - - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -</td><td>JanFebMarAprMayJunJulAug153,95860910152,8513571401981675-2,851357140198167524</td><td>JanFebMarAprMayJunJulAugSep153,9586091015-2,85135714019816752,85135714019816752,85135714019816752,8513571401981675242424</td><td>Jan Feb Mar Apr May Jun Aug Sep Oct 15 3,958 609 10 - - 15 15 - 2,851 357 140 1 98 16 75 12 - 2,851 357 140 1 98 16 75 12 - 2,851 357 140 1 98 16 75 12 - - 24 - - - - - - 12 - - 24 - <td< td=""><td>JanFebMarAprMayJunJulAugSepOctNov153,9586091015-11-2,8513571401981675-1224<</td><td>JanFebMarAprMayJunJulAugSepOctNovDec15$3,958$$609$$10$$15$$1$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$24$$-$<td< td=""></td<></td></td<></td></t<>	Jan Feb Mar Apr May Jun 15 3,958 609 10 - - - 2,851 357 140 1 98 - 2,851 357 140 1 98 - 2,851 357 140 1 98 - 2,851 357 140 1 98 - - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - 2 8 -	Jan Feb Mar Apr May Jun Jul 15 3,958 609 10 - - 15 3,958 609 10 - - 2,851 357 140 1 98 16 - 2,851 357 140 1 98 16 - 2,851 357 140 1 98 16 - 2,851 357 140 1 98 16 - - 24 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	JanFebMarAprMayJunJulAug153,95860910152,8513571401981675-2,851357140198167524	JanFebMarAprMayJunJulAugSep153,9586091015-2,85135714019816752,85135714019816752,85135714019816752,8513571401981675242424	Jan Feb Mar Apr May Jun Aug Sep Oct 15 3,958 609 10 - - 15 15 - 2,851 357 140 1 98 16 75 12 - 2,851 357 140 1 98 16 75 12 - 2,851 357 140 1 98 16 75 12 - - 24 - - - - - - 12 - - 24 - <td< td=""><td>JanFebMarAprMayJunJulAugSepOctNov153,9586091015-11-2,8513571401981675-1224<</td><td>JanFebMarAprMayJunJulAugSepOctNovDec15$3,958$$609$$10$$15$$1$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$2,851$$357$$140$$1$$98$$16$$75$$12$$24$$-$<td< td=""></td<></td></td<>	JanFebMarAprMayJunJulAugSepOctNov153,9586091015-11-2,8513571401981675-1224<	JanFebMarAprMayJunJulAugSepOctNovDec15 $3,958$ 609 10 $ 15$ $ 1$ $ 2,851$ 357 140 1 98 16 75 $ 12$ $ 2,851$ 357 140 1 98 16 75 $ 12$ $ 2,851$ 357 140 1 98 16 75 $ 12$ $ 2,851$ 357 140 1 98 16 75 $ 12$ $ 2,851$ 357 140 1 98 16 75 $ 12$ $ 24$ $ -$ <td< td=""></td<>

Illness						Мо	nth						Tota
liness	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1018
Acute fever with rash	251	3,135	1,057	177	75	51	60	82	97	37	103	33	5,15
Acute fever without rash	1,906	7,999	3,616	1,397	1,011	2,704	1,633	1,241	1,357	1,864	1,220	1,183	27,13
ARI-without Pneumonia	3,792	3,485	4,283	3,844	3,141	5,938	4,752	3,084	3,962	3,980	3,608	3,360	47,22
ARI-with Pneumonia	520	404	640	734	525	541	358	412	625	468	416	486	6,12
Conjunctivitis	1,732	1,618	1,460	1,410	1,384	1,417	1,379	1,377	1,285	1,031	953	985	16,03
Diabetes	66	63	47	49	121	68	80	56	41	39	68	26	72
Diarrhoea	1,249	1,396	1,233	1,146	1,242	1,294	1,301	2,341	2,818	2,052	1,999	1,338	19,40
Dysentery	596	728	697	703	826	876	788	776	733	679	622	593	8,61
Fish poisoning	40	38	47	70	89	64	55	59	95	59	82	48	74
Hypertension	56	45	25	37	109	60	63	39	39	26	85	27	61
Veningitis	23	27	7	16	237	12	12	37	40	48	63	1	52
Mental illness	1	1	2	8	18	10	3	4	4	1	1	2	5
Night blindness	75	81	79	70	75	94	76	103	49	79	58	58	89
Scabies	50	96	230	96	117	98	102	30	81	29,380	28,629	24,126	384,15
STI	58	63	76	70	200	95	107	23	91	53	60	100	1,11
Finea Corporis	441	393	303	457	481	491	538	582	649	72	70	34	95
Finea Versicolor	403	415	340	395	433	392	337	301	343	754	649	706	6,44
Norm Infection	184	179	177	165	215	250	294	286	409	344	375	368	4,44
Others	29,180	47,814	40,909	33,036	30,587	36,764	28,312	26,981	28,432	282	290	303	3,03
Total	40,623	67,980	55,228	43,880	40,886	51,219	40,250	37,814	41,150	41,248	39,351	33,777	533,40

Table 12: Outpatient Morbidity Statistics according to districts

Illness				District			Tota
liness	Central	Linnix	Northern	South Eastern	South Western	Tarawa & Banaba	100
Acute fever with rash	963	178	385	106	213	3,313	5,15
Acute fever without rash	2,036	1,566	3,272	1,934	1,578	16,745	27,13
ARI-without Pneumonia	3,031	2,174	3,862	2,191	2,236	33,735	47,22
ARI-with Pneumonia	819	267	981	263	327	3,472	6,12
Conjunctivitis	840	703	1,303	434	616	12,135	16,03
Diabetes	120	44	125	18	67	350	72
Diarrhoea	821	1,304	1,604	555	837	14,288	19,40
Dysentery	738	515	996	535	652	5,181	8,61
Fish poisoning	61	19	289	17	10	350	74
Hypertension	180	24	128	8	38	233	61
Meningitis	8	18	33	25	23	416	52
Mental illness	9	3	22	2	1	18	5
Night blindness	95	32	126	54	70	520	89
Scabies	76	24	248	50	90	625	1,11
STI	77	56	50	28	31	717	95
Tinea Corporis	473	324	886	174	226	4,361	6,44
Tinea Vesicular	334	120	604	142	196	3,050	4,44
Worm Infection	348	10	441	65	104	2,066	3,03
Others	17,983	35,022	30,553	12,573	18,967	269,052	384,15
Grand Total	29,012	42,403	45,908	19,174	26,282	370,627	533,40

Table 13: Referrals to TCH from Health Centers and Clinics

Comico							Mont	h						Tata
Service	_	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tota
Makin		2	3	-	-	2	2	6	3	3	5	-	2	23
Butaritari		8	7	4	1	8	7	6	13	15	8	11	11	9
Marakei		5	4	2	4	1	2	3	2	-	5	6	3	3
Abaiang		3	-	4	-	4	1	6	3	7	6	4	1	3
Tarawa North		2	15	5	5	11	5	2	2	4	6	1	2	6
TUC		5	-	7	-	-	-	-	-	-	-	-	-	12
BTC		-	33	18	23	16	29	-	12	18	22	12	3	18
Banaba		2	4	3	1	1	-	2	1	-	2	3	1	2
Maiana		2	6	2	5	10	5	3	3	4	9	9	5	63
Kuria		19	9	5	6	23	7	8	7	9	5	2	7	10
Aranuka		2	1	2	4	8	6	6	4	7	5	4	1	50
Abemama		4	8	6	1	9	7	9	6	5	2	6	7	7
Nonouti		9	1	2	-	1	3	-	4	11	3	4	-	3
Tab North		9	8	7	14	16	13	12	7	8	14	7	3	11
Tab South			1	2	2	6	1	3	5	20	2	-	2	4
Onotoa		4	4	4	5	6	24	3	5	4	5	10	3	7
Beru		-	1	3	-	-	2	2	2	12	3	4	2	3:
Nikunau		5	5	2	8	6	30	4	10	3	-	2	2	7
Tamana		1	6	-	-	1	4	3	-	15	-	2	-	32
Arorae		2	3	-	-	2	-	-	-	2	3	-	-	12
Kiritimati		2	1	-	-	-	-	-	-	-	-	-	-	:
Tabuaeran		4	-	4	-	3	-	5	-	7	-	4	-	2
Teraina		-	-	-	-	-	-	10	-	-	-	-	-	10
Kanton		-	-	-	-	-	-	-	-	-	-	-	-	
	Total	90	120	82	79	134	148	93	89	154	105	91	55	1,24

			Gen	der	
Rank	ICD 10-3	Cause of Hospitalization		Female	Tota
1	080	Single spontaneous delivery		1,049	1,049
2	E11	Non-insulin-dependent diabetes mellitus	119	95	214
3	R69	Unknown and unspecified causes of morbidity	95	114	209
4	J18	Pneumonia, organism unspecified	106	101	207
5	082	Single delivery by caesarean section		195	195
6	A09	Diarrhoea and gastroenteritis of presumed infectious origin	94	60	154
7	J21	Acute bronchiolitis	82	41	123
8	A16	Respiratory tuberculosis, bacteriologically or histologically not confirmed	62	44	106
9	P36	Bacterial sepsis of newborn	59	46	105
10	E46	Unspecified protein-energy malnutrition	55	41	96
11	L02	Cutaneous abscess, furuncle and carbuncle	52	38	90
12	J45	Bronchial Asthma	34	35	69
13	L03	Cellulitis	38	23	61
14	110	Essential (primary) hypertension	26	34	60
15	047	False labour		57	57
16	A01	Typhoid and paratyphoid fevers	31	23	54
17	150	Heart failure	20	30	50
18	N93	Other abnormal uterine and vaginal bleeding	1	45	4(
19	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	17	26	43
20	D50	Iron deficiency anaemia	4	39	43
21	190	Pleural effusion, not elsewhere classified	25	18	43
22	D64	Other Anaemias	15	27	42
23	E14	Unspecified diabetes mellitus	24	17	4:
24	K75	Other inflammatory liver diseases	34	7	4:
25	E43	Unspecified severe protein-energy malnutrition	20	13	33
		Morbidity from all other causes	786	979	1,76
		Grand Total	1,799	3,197	4,996

Source: KHIS as of 31.12.2015

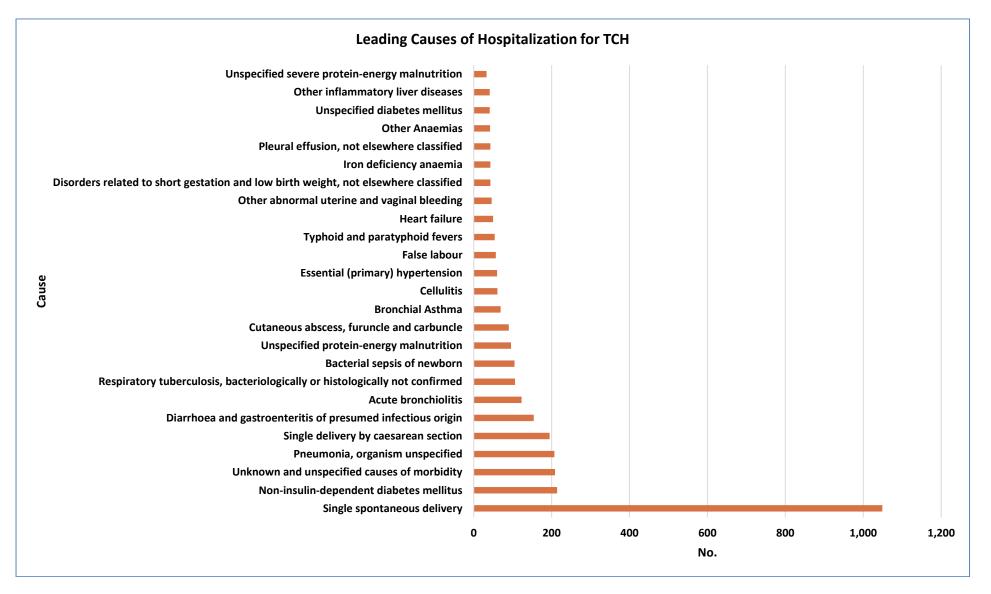


Figure 2: Leading Causes of Hospitalization for TCH

	Sub	Тс	otal	Less t	han 1yr	1-	4yrs	5-1	.5yrs	16-2	29yrs	30-0	59yrs	70)+yrs	Age Uı	nknown
Ward Category	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
TCH-Medical	108	59	49	-	-	-	-	2	-	7	10	44	34	4	4	2	1
TCH-Obstetric	-	-	-	-	_	-	_	-	-	-	_	-	-	-	-	-	-
TCH-Paediatric	57	27	30	13	17	12	11	1	1	-	-	-	-	-	-	1	1
TCH-Private	19	14	5	-	-	-	-	-	-	-	-	12	5	2	-	-	-
TCH-Surgical	41	19	22	-	-	-	-	-	-	4	1	15	19	-	2	-	-
ТСН-ТВ	2	-	2	-	-	-	-	-	1	-	-	-	1	-	-	-	-
Grand Total	227	119	108	13	17	12	11	3	2	11	11	71	59	6	6	3	2

Source: KHIS as of 31.12.2015 * Derived from data extracted from medical records

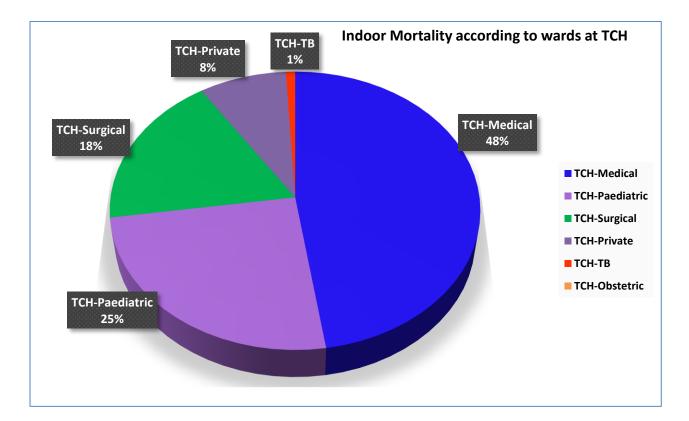


Figure 3: Indoor mortality statistics according to wards: TCH

Rank	Cause of Death	Ge	nder	
RALIK		Male	Female	Tota
1	Other infectious and parasitic diseases (A20-B99) Symptoms, signs and abnormal clinical and laboratory findings, not	7	14	21
2	elsewhere classified (R00–R99)	10	11	21
3	Diseases of liver (K70–K77)	15	4	19
4	Other forms of heart disease (I30–I52)	7	11	18
5	Malnutrition (E40–E46)	6	9	15
6	Diabetes mellitus (E10–E14)	8	6	14
7	Cerebrovascular diseases (I60–I69)	6	6	12
8	Certain conditions originating in the perinatal period (P00–P96)	7	5	12
9	Other diseases of respiratory tract (J20–J94)	8	3	11
10	Diseases of the digestive system (K00–K67 & K80-K93) Meningitis & other inflammatory diseases of the central nervous system (G00–G09)	7	3	10
11	Intestinal infectious diseases (A00–A09)	3	4	7
12	Tuberculosis (A15–A19)	5	2	7
14	Influenza and pneumonia (J10–J18)	3	4	7
15	Malignant neoplasms (C00–C97)	1	5	6
16	Metabolic disorders (E70–E90)	4	1	5
17	Hypertensive diseases (I10–I15)	4	1	5
18	Renal failure (N17–N19)		5	5
19	Neoplasms of uncertain or unknown behaviour (D37–D48)	1	3	4
20	Anaemias (D50-D64)	1	3	4
21	Epilepsy and other diseases of the central nervous system (G10–G99)	3		3
22	Ischaemic heart diseases (I20–I25)	2	1	3
23	Congenital malformations, deformations & chromosomal abnormalities (Q00–Q99)	2	1	3
24	Acute & Chronic rheumatic heart diseases (100–109)	2		2
25	Injury, poisoning and certain other consequences of external causes (S00–T98)	1	1	2
26	Transport accidents (V01–V99)	2		2
27	Other disorders of kidney and ureter (N25–N29)		1	1
	Grand Total	119	108	227

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

Source: KHIS as of 31.12.2015 * Derived from data extracted from medical records

RankICD 10-3Cause of Death1A41Other Septicaemia2E11Non-insulin-dependent diabetes mellitus3E46Unspecified protein-energy malnutrition4K72Hepatic failure, not elsewhere classified5R99Other ill-defined and unspecified causes of mortality6I50Heart failure7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or I9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes11I46Cardiac arrest	2	Female 11 5 1 1 4 5 4 3	Total 17 10 9 9 9 9 7
2E11Non-insulin-dependent diabetes mellitus3E46Unspecified protein-energy malnutrition4K72Hepatic failure, not elsewhere classified5R99Other ill-defined and unspecified causes of mortality6I50Heart failure7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or I9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	5 4 8 5 2 3 histologically 4 2	5 5 1 4 5 4	10 9 9 9
3E46Unspecified protein-energy malnutrition4K72Hepatic failure, not elsewhere classified5R99Other ill-defined and unspecified causes of mortality6I50Heart failure7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or I9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	4 8 5 2 3 histologically 4 2	5 1 4 5 4	9 9 9
4K72Hepatic failure, not elsewhere classified5R99Other ill-defined and unspecified causes of mortality6I50Heart failure7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or I9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	8 5 2 3 histologically 4 2	1 4 5 4	9 9
5R99Other ill-defined and unspecified causes of mortality6I50Heart failure7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or I9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	5 2 3 histologically 4 2	4 5 4	9
6I50Heart failure7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or I9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	2 3 histologically 4 2	5 4	
7J18Pneumonia, organism unspecified8A16Respiratory tuberculosis, not confirmed bacteriologically or 19E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	3histologically42	4	7
8A16Respiratory tuberculosis, not confirmed bacteriologically or 19E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	histologically 4		
9E43Unspecified severe protein-energy malnutrition10G03Meningitis due to other and unspecified causes	2		7
10 G03 Meningitis due to other and unspecified causes		2	6
		4	6
11 I46 Cardiac arrest	4	2	6
	3	3	6
12 I64 Stroke, not specified as haemorrhage or infarction	2	4	6
13 R57 Shock, not elsewhere classified	1	5	6
14 J90 Pleural effusion, not elsewhere classified	4	1	5
15 K74 Fibrosis and cirrhosis of liver	4	1	5
16 A09 Diarrhoea and gastroenteritis of presumed infectious origin	2	2	4
17 K76 Other diseases of liver	2	2	4
18 P36 Bacterial sepsis of newborn	2	2	4
19 A01 Typhoid and paratyphoid fevers	1	2	3
20 C50 Malignant neoplasm of Breast	-	3	3
21 D37 Neoplasm of uncertain/unknown behaviour of oral cavity/di	igestive organs 1	2	3
22 D64 Other Anaemias	1	2	3
23 E86 Volume depletion	3	-	3
24 I10 Essential (primary) hypertension	3	-	3
25 K27 Peptic ulcer, site unspecified	1	2	3
26 N17 Acute renal failure	-	3	3
27 P07 Disorders related to short gestation & LBW, not elsewhere c	classified 2	1	3
28 P21 Birth asphyxia	2	1	3
29 A39 Meningococcal infection	-	2	2
30 E14 Unspecified diabetes mellitus	1	1	2
31 I37 Pulmonary valve disorders	1	1	2
32 I51 Complications and ill-defined descriptions of heart disease	-	2	2
33 I62 Other non-traumatic intracranial haemorrhage	1	1	2
34 I63 Cerebral infarction	1	1	2
35 J21 Acute bronchiolitis	1	1	2
36K56Paralytic ileus and intestinal obstruction without hernia	2	-	2
37 K92 Other diseases of digestive system	2	-	2
38 N19 Unspecified renal failure	-	2	2
39 Q24 Other congenital malformations of heart	1	1	2
40 R18 Ascites	-	2	2
41 A15 Respiratory tuberculosis, bacteriologically and histologically	confirmed 1	-	1
42 A35 Obstetrical tetanus	-	1	1
43 B16 Acute hepatitis B	1	-	1
44 C53 Malignant neoplasm of cervix uteri	-	1	1
45 C95 Leukaemia of unspecified cell type	1	-	1
Other & unspecified malignant neoplasms of lymphoid, haer 46 C96 related tissue	matopoietic &	1	1
Neoplasm of uncertain or unknown behaviour of middle ear		1	1
47 D38 & intrathoracic organs	-	1	1
48 D52 Folate deficiency anaemia	-	1	1
49 E10 Insulin-dependent diabetes mellitus	1	-	1
50 E13 Other specified diabetes mellitus	1	-	1
51 E84 Cystic fibrosis	-	1	1
52 E87 Other disorders of fluid, electrolyte and acid-base balance	1	-	1

Table 17: Leading Causes of Hospital Inpatient Deaths* for TCH (Expanded list)

Table 17: (Continued) Leading Causes of Hospital Inpatient Deaths* for TCH (Expanded list)

Dould		Course of Death	Ge	nder	Total
Rank	ICD 10-3	Cause of Death	Male	Female	Total
53	G00	Bacterial meningitis, not elsewhere classified	-	1	1
54	G04	Encephalitis, myelitis and encephalomyelitis	-	1	1
55	G40	Epilepsy	1	-	1
56	G58	Other mono-neuropathies	1	-	1
57	G61	Hereditary and idiopathic neuropathy	1	-	1
58	101	Rheumatic fever with heart involvement	1	-	1
59	109	Other rheumatic heart diseases	1	-	1
60	l11	Hypertensive heart disease	1	-	1
61	l15	Secondary hypertension	-	1	1
62	121	Acute myocardial infarction	1	-	1
63	122	Subsequent myocardial infarction	-	1	1
64	125	Chronic ischaemic heart disease	1	-	1
65	135	Non-rheumatic aortic valve disorders	1	-	1
66	161	Intracerebral haemorrhage	1	-	1
67	167	Other cerebrovascular diseases	1	-	1
68	J39	Other diseases of upper respiratory tract	-	1	1
69	J44	Other chronic obstructive pulmonary disease	1	-	1
70	J81	Pulmonary oedema	1	-	1
71	J98	Other respiratory disorders	1	-	1
72	K37	Unspecified appendicitis	1	-	1
73	K59	Other functional intestinal disorders	-	1	1
74	K62	Other diseases of anus and rectum	1	-	1
75	K75	Other inflammatory liver diseases	1	-	1
76	N28	Other disorders of kidney and ureter, not elsewhere classified	-	1	1
77	P60	Disseminated intravascular coagulation of fetus and newborn	1	-	1
78	P76	Other intestinal obstruction of newborn	-	1	1
79	Q00	Anencephaly and similar malformations	1	-	1
80	R06	Abnormalities of breathing	1	-	1
81	R14	Flatulence and related conditions	1	-	1
82	R22	Localized swelling, mass and lump of skin and subcutaneous tissue	1	-	1
83	R33	Retention of urine	1	-	1
84	S72	Fracture of femur	-	1	1
85	T61	Toxic effect of noxious substances eaten as seafood	1	-	1
86	V27	Motorcycle rider injured in collision with fixed or stationary object	1	-	1
87	V89	Motor or non-motor-vehicle accident, type of vehicle unspecified	1	-	1
		Grand Total	119	108	227

Source: KHIS as of 31.12.2015 * Derived from data extracted from medical records

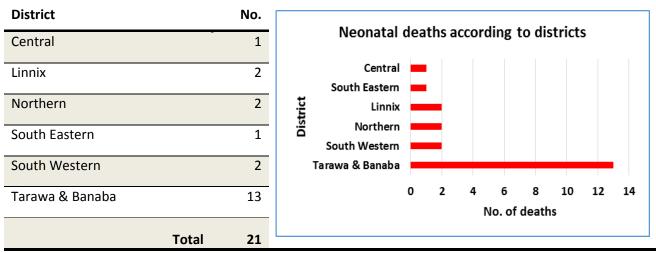
7. Country mortality statistics

Neonatal Mortality Rate: Probability of dying between birth and age 28 days (per 1,000 live births): 10.2

	NMR =	Number of deaths of neonates aged 0-28 days (21) Number of live births (2066)	X 1,000
Me	ethodologica	al/System Issues:	
•	Data for 20 data from	D15 has been sourced from the KHIS & MS1 and is likely to b MS1.	e affected by under-counting especially
•	Births with	unrecorded outcomes were counted as live births.	
٠	Certificatio	on of cause(s) of death is poor in the country.	
٠	It is likely t	hat the number of neonatal deaths is under-reported.	
٠	Mortality a	and fertility data is weak in the country.	
•		data is derived from the final diagnoses documented in the I y of deaths. Hence the actual underlying cause(s) of death co	

of death data.

Table 18: Neonatal deaths according to districts*



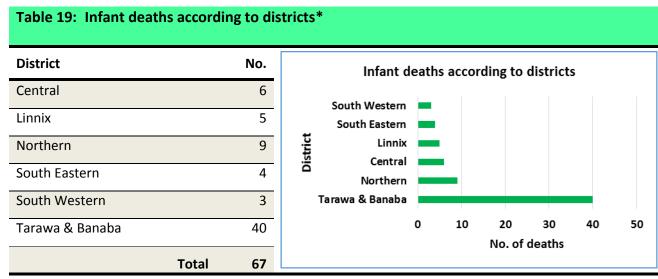
Sources: KHIS & MS1 as of 31.12.2015 * Excluding SKH data Figure 4: Neonatal deaths according to districts

36

Infant Mortality Rate: Probability of dying between birth and age 1 year (per 1,000 live births): 32.4

	IMR =	<u>Number of deaths of infants aged <1 year (67)</u> Number of live births (2066)	X 1,000
М	ethodological/	/System Issues:	
•	Data for 201 data from M	5 has been sourced from the KHIS & MS1 and is likely to IS1.	be affected by under-counting especially
•	Births with u	inrecorded outcomes were counted as live births.	
•	Certification	of cause(s) of death is poor in the country.	
•	It is likely that	at the number of infant deaths is under-reported.	
•	Mortality an	d fertility data is weak in the country.	
	Mortality da	to is derived from the final diagnoses desumented in the	MBs since death cortificates are not issued

• 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.



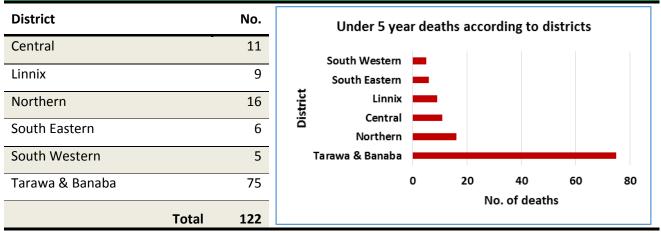
Sources: KHIS & MS1 as of 31.12.2015 * Excluding SKH data Figure 5: Infant deaths according to districts

Under-five Mortality Rate: Probability of dying by age 5 years (per 1,000 live births): 59.1

U5MR =	Number of deaths of children aged <5 years (122) Number of live births (2066) X 1,000
Methodologi	cal/System Issues:
Data for 2 data fron	2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting especially n MS1.
Births wit	th unrecorded outcomes were counted as live births.
Certificat	ion of cause(s) of death is poor in the country.
• It is likely	that the number of under 5 year deaths is under-reported.
 Mortality 	and fertility data is weak in the country.
	data is derived from the final diagnoses documented in the MRs since death certificates are not issued ity of deaths. Hence the actual underlying cause(s) of death could be deferent from the current cause(s)

of death data.

Table 20: Under 5 year child deaths according to districts*



Sources: KHIS & MS1 as of 31.12.2015 * Excluding SKH 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): 193.6

I	MMR = Number of maternal deaths (4) Number of live births (2066) X 100,000
Me	thodological/System Issues:
•	Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting especially data from 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 maternal deaths is under-reported.
•	Mortality and fertility data is weak in the country.
•	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.

Table 21: Maternal deaths for Kiribati

Rank	ICD-10-3	Cause of Death	Total
1	095	Obstetric death of unspecified cause	3
2	085	Puerperal sepsis	1
		Total Maternal Deaths*	4

Sources: KHIS & MS1 as of 31.12.2015

* Excluding SKH data

Table 22: Maternal deaths according to districts* District No. Maternal deaths according to districts 0 Central Central 0 Linnix Linnix District Northern Northern 0 South Eastern South Eastern 1 South Western South Western 1 Tarawa & Banaba 0 0.5 1 1.5 2 Tarawa & Banaba 2 2.5 No. of deaths Total 4

Sources: KHIS & MS1 as of 31.12.2015 * Excluding SKH data 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): **45.9**

Adult mortality rate from NCDs (30-69 years) =	Total number of deaths due to NCDs for the year (156) Total population (30-69 years) (34,020)	X 10,000
Methodological/System Issues:		
	icial figures available) is used as base population. om the KHIS & MS1 and is likely to be affected by under-counting	gespecially
• Certification of cause(s) of death is	s poor in the country.	
• It is likely that the number of deat	hs is under-reported.	
• Mortality data is weak in the count	try.	

• 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.

Table 23: Adult deaths due to NCDs according to districts*

District		No.		Adult Deaths	fron	n NCD	s acco	rding	to dis	tricts	
Central		10									
Linnix		13		South Eastern South Western							
Northern		20	District	Central Linnix							
South Eastern		8		Northern							
South Western		8		Tarawa & Banaba							
Tarawa & Banaba		97			0	20	40 No.	60 of dea	80 aths	100	120
	Total	156									

Sources: KHIS & MS1 as of 31.12.2015 * Excluding SKH data

Mortality rate from road traffic injuries:Probability of dying from road traffic injuries in agiven year (per 10,000 population)0.2

Mortality rat	e from Road Traffic	Total number of deaths due to RTIs for the year (2)	V 10 000
Ir	ijuries =	Total population (103,058)	X 10,000
Methodologic	al/System Issues:		
• 2010 cens	us population (latest offic	ial figures available) is used as base population.	
 Data for 2 data from 		m the KHIS & MS1 and is likely to be affected by under-countin	g especially
Certification	on of cause(s) of death is	poor in the country.	
• It is likely	that the number of death	s is under-reported.	
Mortality	data is weak in the count	ry.	
		inal diagnoses documented in the MRs since death certificates tual underlying cause(s) of death could be deferent from the cu	

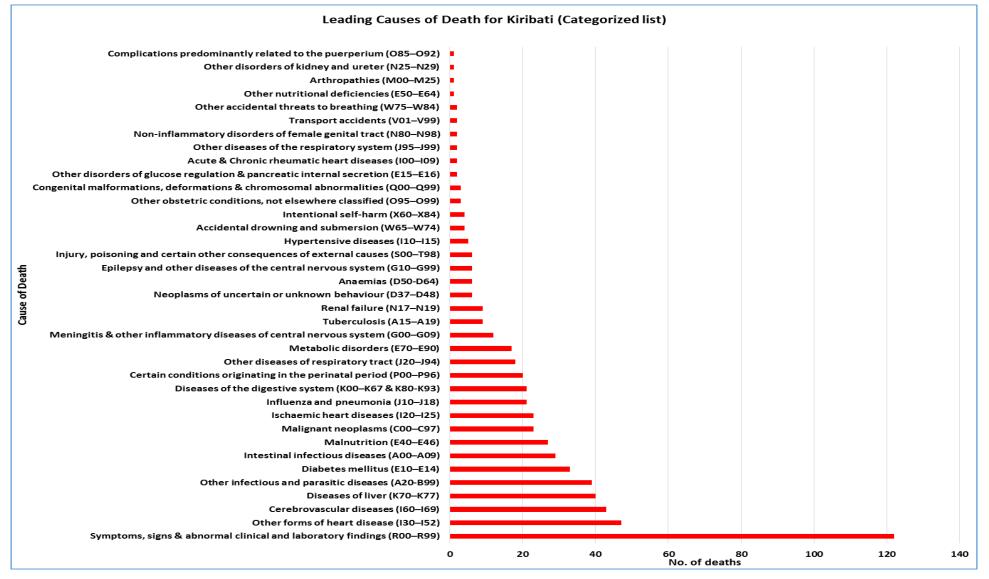
Figure 8: Adult deaths due to NCDs according to districts

Donk	Cause of Death*	Ge	Gender		
Rank	Cause of Death*	Male	Female	Tota	
1	Symptoms, signs & abnormal clinical and laboratory findings (R00–R99)	64	58	12	
2	Other forms of heart disease (I30–I52)	27	20	4	
3	Cerebrovascular diseases (I60–I69)	25	18	4	
4	Diseases of liver (K70–K77)	24	16	4	
5	Other infectious and parasitic diseases (A20-B99)	15	24	3	
6	Diabetes mellitus (E10–E14)	18	15	:	
7	Intestinal infectious diseases (A00–A09)	16	13		
8	Malnutrition (E40–E46)	12	15		
9	Malignant neoplasms (C00–C97)	9	14		
10	Ischaemic heart diseases (I20–I25)	17	6		
11	Influenza and pneumonia (J10–J18)	8	13		
12	Diseases of the digestive system (K00–K67 & K80-K93)	15	6		
13	Certain conditions originating in the perinatal period (P00–P96)	13	7		
14	Other diseases of respiratory tract (J20–J94)	15	3		
15	Metabolic disorders (E70–E90)	9	8		
16	Meningitis & other inflammatory diseases of central nervous system (G00–G09)	6	6		
17	Tuberculosis (A15–A19)	7	2		
18	Renal failure (N17–N19)	1	8		
19	Neoplasms of uncertain or unknown behaviour (D37–D48)	2	4		
20	Anaemias (D50-D64)	2	4		
21	Epilepsy and other diseases of the central nervous system (G10–G99)	4	2		
22	Injury, poisoning and certain other consequences of external causes (S00–T98)	2	4		
23	Hypertensive diseases (I10–I15)	4	1		
24	Accidental drowning and submersion (W65–W74)	3	1		
25	Intentional self-harm (X60–X84)	4			
26	Other obstetric conditions, not elsewhere classified (O95–O99)		3		
27	Congenital malformations, deformations & chromosomal abnormalities (Q00–Q99)	2	1		
28	Other disorders of glucose regulation & pancreatic internal secretion (E15–E16)		2		
29	Acute & Chronic rheumatic heart diseases (100–109)	2			
30	Other diseases of the respiratory system (J95–J99)	1	1		
31	Non-inflammatory disorders of female genital tract (N80–N98)		2		
32	Transport accidents (V01–V99)	2			
33	Other accidental threats to breathing (W75–W84)	1	1		
34	Other nutritional deficiencies (E50–E64)	1			
35	Arthropathies (M00–M25)	1			
36	Other disorders of kidney and ureter (N25–N29)		1		
37	Complications predominantly related to the puerperium (O85–O92)		1		
	Grand Total	332	280	61	

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

Sources: KHIS & MS1 as of 31.12.2015

* Excluding SKH data





Rank	ICD-10-3	0-3 Cause of Death		nder	Total
NALIK	ICD-10-5	Cause of Death	Male	Female	TOLAT
1	164	Stroke, not specified as haemorrhage or infarction	21	16	37
2	R99	Other ill-defined and unspecified causes of mortality	20	15	35
3	A41	Other Septicaemia	13	20	33
4	146	Cardiac arrest	19	10	29
5	A09	Diarrhoea and gastroenteritis of presumed infectious origin	15	10	25
6	121	Acute myocardial infarction	16	5	21
7	J18	Pneumonia, organism unspecified	8	13	21
8	E14	Unspecified diabetes mellitus	9	10	19
9	E46	Unspecified protein-energy malnutrition	8	10	18
10	E86	Volume depletion	7	7	14
11	К72	Hepatic failure, not elsewhere classified	9	4	13
12	К76	Other diseases of liver	6	7	13
13	E11	Non-insulin-dependent diabetes mellitus	7	5	12
14	К74	Fibrosis and cirrhosis of liver	8	4	12
15	R62	Lack of expected normal physiological development	5	6	11
16	R06	Abnormalities of breathing	8	2	10
17	R54	Senility	3	7	10
18	E43	Unspecified severe protein-energy malnutrition	4	5	9
19	G03	Meningitis due to other and unspecified causes	5	4	9
20	150	Heart failure	3	6	9
21	R10	Abdominal and pelvic pain	4	5	9
22	A16	Respiratory tuberculosis, not confirmed bacteriologically or histologically	6	2	8
23	K27	Peptic ulcer, site unspecified	5	3	8
24	R63	Symptoms and signs concerning food and fluid intake	2	6	8
25	C50	Malignant neoplasm of Breast		7	7
26	J44	Other chronic obstructive pulmonary disease	7		7
27	P07	Disorders related to short gestation and low birth weight, not elsewhere classified	6	1	7
28	R50	Fever of unknown origin	4	3	7
29	R57	Shock, not elsewhere classified	2	5	7
30	151	Complications and ill-defined descriptions of heart disease	3	3	6
31	R07	Pain in throat and chest	2	4	6
32	D64	Other Anaemias	2	3	5
33	J90	Pleural effusion, not elsewhere classified	4	1	5
34	K92	Other diseases of digestive system	3	2	5
35	N19	Unspecified renal failure		5	5
36	P36	Bacterial sepsis of newborn	3	2	5
37	A01	Typhoid and paratyphoid fevers	1	3	4
38	G40	Epilepsy	2	2	4
39	N17	Acute renal failure	1	3	4
40	X84	Intentional self-harm by unspecified means	4		4
41	C53	Malignant neoplasm of cervix uteri		3	3

Table 25: Leading Causes of Death for Kiribati (Expanded list)*

Darel		Cause of Death	Gen	der	Tatal
Rank	ICD-10-3	Cause of Death	Male	Female	Total
42	D37	Neoplasm of uncertain or unknown behaviour of oral cavity and digestive organs	1	2	3
43	110	Essential (primary) hypertension	3		3
44	K56	Paralytic ileus and intestinal obstruction without hernia	3		3
45	095	Obstetric death of unspecified cause		3	3
46	P21	Birth asphyxia	2	1	3
47	R11	Nausea and vomiting	1	2	3
48	R18	Ascites	1	2	3
49	R56	Convulsions, not elsewhere classified	2	1	3
50	W74	Unspecified drowning and submersion	2	1	3
51	A39	Meningococcal infection		2	2
52	C14	Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx		2	2
53	C34	Malignant neoplasm of bronchus and lung	2		2
54	C95	Leukaemia of unspecified cell type	2		2
55	E16	Other disorders of pancreatic internal secretion		2	2
56	E87	Other disorders of fluid, electrolyte and acid-base balance	2		2
57	G04	Encephalitis, myelitis and encephalomyelitis	1	1	2
58	137	Pulmonary valve disorders	1	1	2
59	162	Other non-traumatic intracranial haemorrhage	1	1	2
60	163	Cerebral infarction	1	1	2
61	J21	Acute bronchiolitis	1	1	2
62	J81	Pulmonary oedema	2		2
63	J98	Other respiratory disorders	1	1	2
64	K75	Other inflammatory liver diseases	1	1	2
65	P95	Fetal death of unspecified cause	1	1	2
66	Q24	Other congenital malformations of heart	1	1	2
67	R22	Localized swelling, mass and lump of skin and subcutaneous tissue	2		2
68	T65	Toxic effect of other and unspecified substances		2	2
69	A15	Respiratory tuberculosis, bacteriologically and histologically confirmed	1		1
70	A35	Obstetrical tetanus		1	1
71	B01	Varicella [chickenpox]	1		1
72	B16	Acute hepatitis B	1		1
73	B18	Chronic viral hepatitis		1	1
74	C02	Malignant neoplasm of other and unspecified parts of tongue	1		1
75	C15	Malignant neoplasm of Oesophagus	1		1
76	C22	Malignant neoplasm of liver and intrahepatic bile ducts	1		1
77	C61	Malignant neoplasm of prostate	1		1
78	C69	Malignant neoplasm of eye and adnexa	1		1
79	C79	Secondary malignant neoplasm of other sites		1	1
80	C96	Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue		1	1

Table 25: (Continued) Leading Causes of Death for Kiribati (Expanded list)*

Table 25: (Continued) Leading Causes of Death for Kiribati (Expanded list)*

Rank I	ICD-10-3	Cause of Death	Gen	Total	
капк	ICD-10-3	Cause of Death	Male	Female	lota
81	D38	Neoplasm of uncertain or unknown behaviour of middle ear & respiratory and intrathoracic organs		1	
82	D39	Neoplasm of uncertain or unknown behaviour of female genital organs		1	
83	D42	Neoplasm of uncertain or unknown behaviour of urinary organs	1		
84	D52	Folate deficiency anaemia		1	
85	E10	Insulin-dependent diabetes mellitus	1		
86	E13	Other specified diabetes mellitus	1		
87	E51	Thiamine deficiency	1		
88	E84	Cystic fibrosis		1	
89	G00	Bacterial meningitis, not elsewhere classified		1	
90	G58	Other mononeuropathies	1		
91	G61	Inflammatory polyneuropathy	1		
92	101	Rheumatic fever with heart involvement	1		
93	109	Other rheumatic heart diseases	1		
94	111	Hypertensive heart disease	1		
95	l15	Secondary hypertension		1	
96	122	Subsequent myocardial infarction		1	
97	125	Chronic ischaemic heart disease	1		
98	135	Non-rheumatic aortic valve disorders	1		
99	l61	Intracerebral haemorrhage	1		
100	167	Other cerebrovascular diseases	1		
101	J39	Other diseases of upper respiratory tract		1	
102	J45	Asthma	1		
103	K37	Unspecified appendicitis	1		
104	K52	Other non-infective gastroenteritis and colitis	1		
105	K59	Other functional intestinal disorders		1	
106	K62	Other diseases of anus and rectum	1		
107	K65	Peritonitis	1		
108	M00	Pyogenic arthritis	1		
109	N28	Other disorders of kidney and ureter, not elsewhere classified		1	
110	N89	Other non-inflammatory disorders of vagina		1	
111	N94	Pain and other conditions associated with female genital		1	
112	095	organs and menstrual cycle		1	
112	085 P60	Puerperal sepsis Disseminated intravascular coagulation of fetus and newborn	1	1	
113	P60	Other transitory neonatal electrolyte and metabolic	T	1	
114	P74	disturbances		T	
115	P76	Other intestinal obstruction of newborn		1	
116	Q00	Anencephaly and similar malformations	1		
117	R09	Other symptoms and signs involving the circulatory and respiratory systems	1		
118	R14	Flatulence and related conditions	1		
119	R17	Unspecified jaundice	1		
120	R33	Retention of urine	1		

Rank	ICD-10-3	Cause of Death	Gen	der	Total
капк	ICD-10-3	Cause of Death	Male	Female	Totai
121	R40	Somnolence, stupor and coma	1		1
122	R49	Voice disturbances	1		1
123	R53	Malaise and fatigue	1		1
124	R60	Oedema, not elsewhere classified	1		1
125	S06	Intracranial injury	1		1
126	S72	Fracture of femur		1	1
127	Т30	Burn and corrosion, body region unspecified		1	1
128	T61	Toxic effect of noxious substances eaten as seafood	1		1
129	V27	Motorcycle rider injured in collision with fixed or stationary object	1		1
130	V89	Motor or non-motor vehicle accident, type of vehicle unspecified	1		1
131	W69	Drowning and submersion while in natural water	1		1
132	W80	Inhalation and ingestion of other objects causing obstruction of respiratory tract	1		1
133	W84	Unspecified threat to breathing		1	1
		Grand Total	332	280	612

Table 25: (Continued) Leading Causes of Death for Kiribati (Expanded list)*

Sources: KHIS & MS1as of 31.12.2015 *e

*excluding SKH data

		- //	Ge	nder	
Rank	ICD-10-3	Type of Cancer	Male	Female	Total
1	C50	Malignant neoplasm of breast		7	7
2	C53	Malignant neoplasm of cervix uteri		3	3
3	D37	Neoplasm of uncertain or unknown behaviour of oral cavity and digestive organs	1	2	3
4	C14	Malignant neoplasm of other & ill-defined sites in the lip, oral cavity & pharynx		2	2
5	C34	Malignant neoplasm of bronchus and lung	2		2
6	C95	Leukaemia of unspecified cell type	2		2
7	C02	Malignant neoplasm of other and unspecified parts of tongue	1		1
8	C15	Malignant neoplasm of Oesophagus	1		1
9	C22	Malignant neoplasm of liver and intrahepatic bile ducts	1		1
10	C61	Malignant neoplasm of prostate	1		1
11	C69	Malignant neoplasm of eye and adnexa	1		1
12	C79	Secondary malignant neoplasm of other sites		1	1
13	C96	Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue		1	1
14	D38	Neoplasm of uncertain or unknown behaviour of middle ear & respiratory and intrathoracic organs		1	1
15	D39	Neoplasm of uncertain or unknown behaviour of female genital organs		1	1
16	D42	Neoplasm of uncertain or unknown behaviour of meninges	1		1
		Total cancer deaths occurred at a health facility*	11	18	29

Table 26: Deaths due to cancer for Kiribati*

Sources: KHIS & MS1 as of 31.12.2015 *excluding SKH data

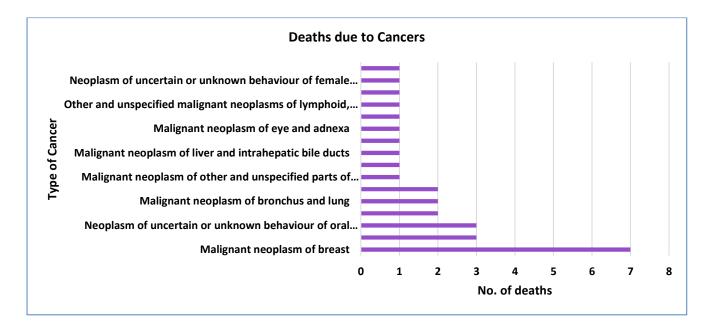


Figure 10: Mortality from cancers

Rank	ICD-10-3	III-defined cause of death	Ge	nder	Total
капк	ICD-10-3	III-defined cause of death	Male	Female	Total
1	R06	Abnormalities of breathing	8	2	10
2	R07	Pain in throat and chest	2	4	6
3	R09	Symptoms & signs involving circulatory & resp. systems	1		1
4	R10	Abdominal and pelvic pain	4	5	9
5	R11	Nausea and vomiting	1	2	3
6	R14	Flatulence and related conditions	1		1
7	R17	Unspecified jaundice	1		1
8	R18	Ascites	1	2	3
9	R22	Localized swelling & lump of skin & subcutaneous tissue	2		2
10	R33	Retention of urine	1		1
11	R40	Somnolence, stupor and coma	1		1
12	R49	Voice disturbances	1		1
13	R50	Fever of unknown origin	4	3	7
14	R53	Malaise and fatigue	1		1
15	R54	Senility	3	7	10
16	R56	Convulsions, not elsewhere classified	2	1	3
17	R57	Shock, not elsewhere classified	2	5	7
18	R60	Oedema, not elsewhere classified	1		1
19	R62	Lack of expected normal physiological development	5	6	11
20	R63	Symptoms and signs concerning food and fluid intake	2	6	8
21	R99	Other ill-defined and unspecified causes of mortality	20	15	35
		Total ill-defined deaths occurred at a health facility	64	58	122

Table 27: Ill-defined causes of death for Kiribati*

Sources: KHIS & MS1 as of 31.12.2015 *excluding SKH data

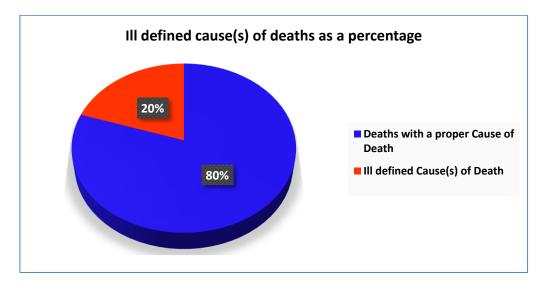


Figure 11: Ill-defined cause(s) of deaths as a percentage of total deaths

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: 5.4

Access to a	intenatal care =	Total number of antenatal visits (first & revisits) (11,272) Total number of deliveries reported (2,099)							
Methodolog	ical/System Issues:								
Data for	Data for 2015 has been sourced from the MS1 and is likely to be affected by under-counting.								
• Births w	ith unrecorded outco	mes were counted as live births.							
• It is likel	y that the number of	deliveries is under-reported.							
Fertility	data is weak in the co	puntry.							

						Mor	nth						
First Visits	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tota
Antenatal	284	227	225	273	256	269	255	249	253	223	200	213	2,927
Postnatal	161	137	133	127	156	144	176	170	152	162	155	150	1,823
Child Health: <1yr	234	362	219	299	308	303	215	227	223	440	206	212	3,248
Child Health: 1-4yrs	315	521	371	240	494	193	288	349	433	225	145	143	3,717
MCH Aides	45	266	3	234	60	259	299	216	290	263	126	386	2,447
Pap Smears	-	-	-	-	41	2	-	55	1	-	8	18	125
Re-visits													
Antenatal	681	450	491	624	654	811	761	751	903	872	809	538	8,345
Postnatal	24	20	37	43	51	71	66	95	88	82	42	16	635
Child Health: < 1yr	911	803	752	889	998	1,145	1,057	1,118	1,149	1,308	914	1,022	12,066
Child Health: 1-4yrs	1,374	1,413	1,607	1,665	1,617	1,986	1,849	2,018	2,249	2,262	1,958	1,631	21,629
MCH Aides	-	59	46	88	39	123	212	70	56	155	104	51	1,003
Pap Smears	-	-	_	_	10	-	-	16	-	_	_	_	26

Source: MS1 as of 31.12.2015

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: 15.2

% of pregnant mothers received at least one home visit by PHN =	<u>Number of home visits (320)</u> Total number of deliveries reported (2,099)	X 100								
Methodological/System Issues:										
Data for 2015 has been sourced from	• Data for 2015 has been sourced from the MS1 and is likely to be affected by under-counting.									
Births with unrecorded outcomes we	re counted as live births.									
• It is likely that the number of deliverie	 It is likely that the number of deliveries is under-reported. 									
• Fertility data is weak in the country.										

Table 29: PHN Home Visits

Service offered						Mon	th						Total
Service offered	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Sick patients treated	393	370	343	372	401	518	463	539	450	479	470	431	5,229
Family planning	46	45	41	35	57	63	69	45	54	48	51	30	584
Antenatal	28	35	19	26	27	39	32	29	31	12	34	8	320
Postnatal	31	25	35	33	45	98	57	53	35	42	69	20	543
Child Health: <1yr	210	181	243	327	345	432	309	283	238	238	171	218	3,195
Child Health: 1-4yrs	283	196	304	735	432	334	319	303	373	208	349	303	4,139

Source: MS1 as of 31.12.2015

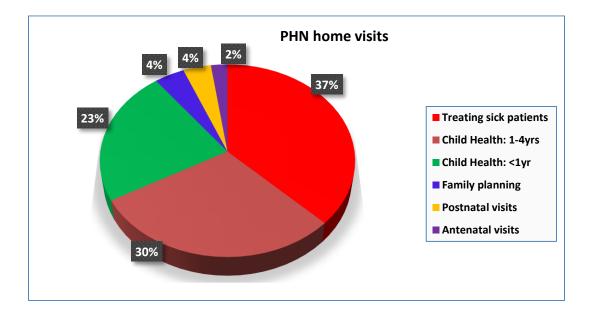


Figure 12: PHN home visits (as a percentage)

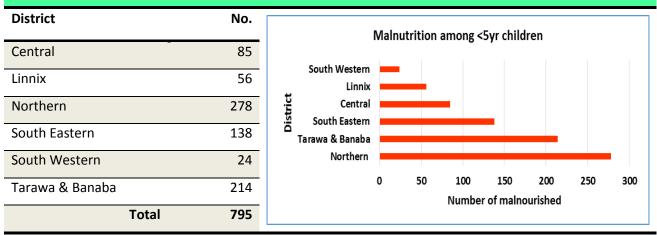
Percentage of Low Birth Weight: Percentage of having a low birth weight (<2500g) baby (per 100
live births): 6.2</pre>

Percentage of LBW =	Number of Low Birth Weight babies (<2500 gm) (129) Total number of live births (2,066) X 100								
Methodological/System Iss	sues:								
Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.									
Births with unrecorded	outcomes were counted as live births.								
• It is likely that the num	ber of deliveries is under-reported.								
• Fertility data is weak in	the country.								

Malnourished children: Percentage of children (aged <5 years) classified as malnourished or</th>severely malnourished in the MS1 Health Facility Monthly Reporting Form:5.7

Percentage of Malnourished Children =	Total number of malnourished children <5 years (795) Total population of children (<5 years) (13,992)	X 100						
Iethodological/System Issues:								
• 2010 census population (latest o	fficial figures available) is used as base population.							
• Data for 2015 has been sourced	from the MS1 and is likely to be affected by under-counting.							
 Strengthened reporting and time figures. 	ely completion of data loading to MS1 would contribute to more ac	curate						

Table 30: Malnutrition among <5yr children according to districts</th>



Source: MS1 as of 31.12.2015

Figure 13: Malnutrition among <5yrs according to districts

Table 31: Malnutrition among <5yr children</th>

Island							Mon	th						Tota
Islanu		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	101
Makin		-	-	-	-	-	-	1	1	-	1	-	-	
Butaritari		-	-	-	1	-	2	1	4	3	-	31	2	4
Marakei		1	1	5	11	5	3	7	9	4	58	29	12	14
Abaiang		4	1	4	11	5	13	8	8	15	6	6	5	8
Tarawa North		-	-	1	-	2	2	1	5	2	7	-	-	2
TUC		10	10	11	11	23	19	7	12	12	10	19	21	16
BTC		1	1	2	-	-	-	5	10	4	-	-	6	2
Banaba		-	-	-	-	-	-	-	-	-	-	-	-	
Maiana		-	-	1	-	1	-	1	1	-	1	-	1	
Kuria		2	-	4	1	-	-	-	-	-	-	-	39	4
Aranuka		1	-	3	3	1	1	1	-	-	-	-	-	1
Abemama		1	3	1	5	2	3	1	-	4	2	-	1	2
Nonouti		-	-	1	3	2	-	1	-	-	1	1	-	
Tab North		-	-	4	3	-	3	-	-	-	-	-	1	1
Tab South		-	-	1	-	-	1	-	-	-	-	-	-	
Onotoa		-	1	-	-	-	-	-	-	-	-	1	-	
Beru		26	101	-	-	-	-	-	-	-	-	-	-	12
Nikunau		2	2	3	-	1	-	-	1	1	-	-	-	1
Tamana		-	-	-	-	-	-	-	-	-	-	-	-	
Arorae		-	-	-	-	-	-	1	-	-	-	-	-	
Kiritimati		-	-	-	1	-	5	8	3	1	-	6	3	2
Tabuaeran (Fanning)		-	1	-	1	-	-	5	8	6	3	1	4	2
Teraina (Washington)		-	-	-	-	-	-	-	-	-	-	-	-	
Kanton		-	-	-	-	-	-	-	-	-	-	-	-	
	Total	48	121	41	51	42	52	48	62	52	89	94	95	79

Source: MS1 as of 31.12.2015

Contraceptive use: Total number of contraceptive contacts (all forms) seen at health facilities in one year (per 1,000 population): **531.2**

Contraceptive contacts (all forms) seen at health facilities =	Contraceptive contacts (all forms) seen at health facilities (54,747) Total population (103,058)	X 1,000									
Methodological/System Issues:											
2010 census population (latest official figures available) is used as base population.											
Data for 2015 has been source counting.	• Data for 2015 has been sourced from the MS1 and is likely to be affected by under-counting and/or multiple-										
• Strengthened reporting and tir figures.	nely completion of data loading to MS1 would contribute to more accur	ate									

Table 32: Family Planning services

Method of FP	Catagory						Mon	th						Tota
Method of FP	Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1018
Micro-lute	Continuers from last month	10	10	9	30	48	29	27	14	19	14	22	20	25
	New clients	-	1	3	-	2	5	2	-	5	5	1	1	2
	Restart	-	-	-	-	-	1	-	-	-	-	-	-	
	Discontinuers	-	2	2	-	-	-	1	-	-	-	1	-	
	Lost contact	3	2	1	-	6	6	-	-	2	1	6	2	2
	Continuers at end of month	1	-	-	1	-	2	-	-	-	-	-	-	
Micro-gynon	Continuers from last month	-	-	-	2		1	-	-	-	-	-	-	
	New clients	4	9	10	25	40	14	29	14	22	20	21	18	22
	Restart	116	49	107	98	59	124	75	91	134	114	81	77	1,12
	Discontinuers	16	13	25	9	8	24	5	9	15	12	14	17	16
	Lost contact	1	-	1	-	-	-	1	2	-	3	2	-	1
	Continuers at end of month	5	6	3	3	2	2	1	3	-	1	5	2	3
Depo Provera	Continuers from last month	7	2	6	39	5	19	5	6	7	3	4	7	11
	New clients	1	3	1	-	1	2	2	-	-	-	2	1	1
	Restart	2	-	3	-	-	1	-	-	4	5	-	-	1
	Discontinuers	125	48	133	102	56	125	75	96	139	122	96	89	1,20
	Lost contact	921	942	836	990	935	858	868	1,113	1,148	1,200	1,301	1,295	12,40
	Continuers at end of month	84	83	86	156	98	111	89	105	88	110	102	45	1,15
Condoms		3	6	7	7	5	4	7	17	7	5	10	14	9
Ovulation		45	30	28	32	30	26	22	37	30	35	31	23	36
Norplant	Inserted this month	65	64	53	67	64	66	63	52	88	45	87	78	79
	Removed this month	22	14	9	7	30	12	7	10	4	10	9	6	14
UCD	Inserted this month	20	4	17	24	19	28	1	5	3	4	4	1	13
	Removed this month	955	974	851	1,034	929	855	961	1,196	1,216	1,333	1,297	1,291	12,89
edell	Inserted this month	146	92	18,192	640	566	562	291	619	530	28,154	726	1,431	51,94
	Removed this month	16	12	33	21	29	28	20	13	18	19	48	42	29
/asectomy		-	-	-	1	-	-	-	-	-	1	-	3	
Tubectomy		-	-	-	1	-	-	-	1	-	2	-	1	

Source: MS1 as of 31.12.2015

9. Immunization Services

Children immunized against measles: Percent of children (aged <1 year) who have received one dose of measles-containing vaccine in one year: **89.2**

N	leasles Coverage =	Number of children aged <1 years receiving the MCV1 in a year (2,671) Total number of children aged <1 years (2,996)	X 100
Me	ethodological/System I	ssues:	
•	2010 census population	on (latest official figures available) is used as base population.	
•	Data for 2015 has bee counting.	en sourced from the MS1 and is likely to be affected by under-counting and/or mul	tiple-
•	Strengthened reportin figures.	ng and timely completion of data loading to MS1 would contribute to more accurat	te

Vaccina tuna				District			Grand Tota
Vaccine type	Central	Linnix	Northern	South Eastern	South Western	Tarawa & Banaba	Granu Tota
BCG	98	265	236	67	107	1,341	2,114
Failed BCG (no scar)	1	7	14	1	1	10	34
HepB (<24hrs)	88	271	221	58	63	1,295	1,996
HepB (>=24hrs)	4	22	28	1	30	36	121
IPV	126	65	225	100	122	1,009	1,647
MR1	158	249	299	97	179	1,489	2,471
OPV1	150	235	306	106	210	1,521	2,528
OPV2	171	261	286	120	195	1,551	2,584
OPV3	162	256	290	105	185	1,534	2,532
Pentavalent1	153	250	330	110	206	1,556	2,605
Pentavalent2	180	285	324	121	228	1,612	2,750
Pentavalent3	188	324	297	123	245	1,686	2,863
Pneumoccocal1	176	245	319	129	219	1,494	2,582
Pneumoccocal2	155	232	325	137	223	1,516	2,588
Pneumoccocal3	149	210	281	150	189	1,502	2,481
Rota1	140	64	229	86	119	1,005	1,643
Rota2	95	74	138	45	98	725	1,175
Grand Total	2,194	3,315	4,148	1,556	2,619	18,628	32,460

Table 33: Immunization Overview (Children <1yr) according to districts*</th>

Sources: KHIS and MS1 as of 31.12.2015 *Excluding SKH data

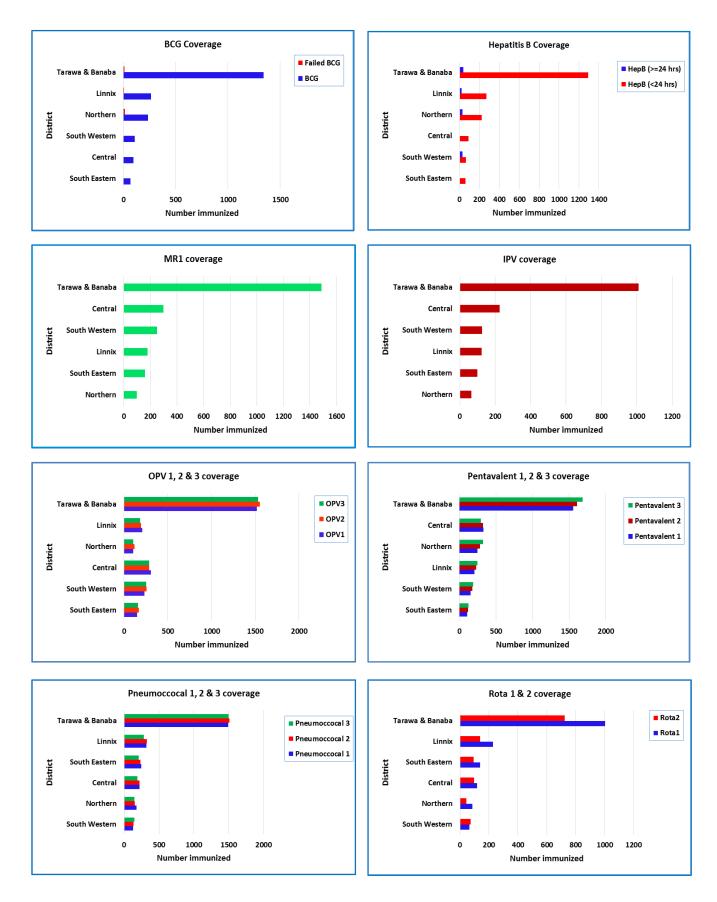


Figure 14: Immunization coverage (Children <1yr): district breakdowns

Table 34: Immunization	Overview (0	Children	<1yr)*										
Vaccine type					Мо	nth							Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
HepB (<24hrs)	185	142	176	180	173	167	189	180	162	172	176	94	1,996
HepB (>=24hrs)	15	10	12	13	7	7	9	12	18	10	5	3	121
BCG	197	150	169	210	177	180	223	188	158	179	185	98	2,114
Failed BCG (no scar)	4	6	3	6	-	4	-	4	1	2	1	3	34
Pentavalent1	210	202	197	237	236	213	236	220	229	202	186	237	2,605
Pentavalent2	222	225	177	243	209	263	229	240	233	257	208	243	2,749
Pentavalent3	246	191	199	221	223	275	389	219	249	238	204	206	2,860
IPV	-	-	-	-	-	419	273	206	160	206	190	193	1,647
Rota1	-	-	-	-	-	-	62	659	254	260	209	199	1,643
Rota2	-	-	-	-	-	-	5	23	355	320	249	222	1,174
Pneumococcal1	87	21	194	367	338	231	192	16	303	226	192	215	2,582
Pneumococcal2	59	15	80	238	321	394	217	227	276	292	230	238	2,587
Pneumococcal3	51	22	70	154	240	411	271	250	284	253	251	221	2,478
OPV1	194	213	185	188	248	213	197	205	254	196	200	235	2,528
OPV2	197	215	179	193	207	256	213	195	244	243	193	248	2,583
OPV3	216	181	184	159	202	271	233	192	265	208	213	205	2,529
MR1	167	140	181	200	157	300	186	193	231	229	264	223	2,471

Sources: KHIS and MS1 as of 31.12.2015 *Excluding SKH data

Table 35: Immunizatio	n Overview (Childre	n 1-5yr	s)									
Vaccina tura						Mon	th						Total
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOLAI
Pentavalent1	-	-	-	1	-	-	-	-	-	-	-	-	1
Pentavalent2	-	-	-	2	-	-	-	-	-	-	-	-	2
Pentavalent3	1	-	-	2	-	-	-	-	-	-	-	-	3
IPV	-	-	-	-	-	-	-	-	-	-	-	-	0
Rota1	-	-	-	-	-	-	-	-	-	-	-	-	0
Rota2	-	-	-	-	-	-	-	-	-	-	-	-	0
Pneumococcal1	1	-	2	4	-	-	-	-	-	-	-	-	7
Pneumococcal2	-	-	1	-	-	-	-	-	-	-	-	-	1
Pneumococcal3	-	-	-	-	-	-	-	-	-	-	-	-	0
OPV1	-	-	-	1	-	-	-	-	-	-	-	-	1
OPV2	1	-	-	2	-	-	-	-	-	-	-	-	3
OPV3	6	-	-	2	-	-	-	-	-	-	-	-	8
MR1	16	32	29	20	19	13	3	21	47	-	-	-	200

Source: MS1 as of 31.12.2015

Table 36: Immunization Overview (Children 6-14yrs)													
Vaccina tuna						Мо	nth						Total
Vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOLAI
MR2 (All class 1)	2	16	201	10	7	216	157	129	269	207	278	12	1,504
DPT4 (All class 1)	-	-	6	12	19	243	32	27	137	150	239	10	875
TT5 (Form 1 girls)	-	-	37	-	1	-	-	110	87	114	46	-	395
Courses 1464 and af 24 42 2045													

Source: MS1 as of 31.12.2015

Vaccine type	Month								Tota				
vaccine type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOLA
MR2 (All class 1)	-	-	21	-	21	90	58	52	48	84	177	-	55
DPT4 (All class 1)	-	-	10	-	10	111	-	15	104	120	136	42	54
TT5 (Form 1 girls)	29	-	-	5	-	10	-	43	39	33	142	-	30
TT6 (1st pregnancy)	64	90	93	62	58	58	48	61	43	51	53	54	73
TT7 (2nd pregnancy)	40	38	46	40	50	28	38	43	33	37	188	35	61
TT8 (subsequent pregnancy)	54	56	60	36	34	28	57	34	29	37	30	36	49

Source: MS1 as of 31.12.2015

Table 38: Immunization Overview for TCH (Children <1yr)</th>

Vaccine type						Мо	nth						Tota
vaccille type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOLA
Hepatitis B													
Vaccinated <24hrs after birth	111	96	100	93	100	101	118	95	89	99	92	30	1,124
Vaccinated >24hrs after birth	-	1	-	-	-	-	2	1	-	1	-	1	6
Not given	10	15	6	3	7	3	4	6	3	3	4	4	68
Total	121	112	106	96	107	104	124	102	92	103	96	35	1,198
BCG													
Given	112	92	99	93	99	101	118	95	90	100	93	32	1,124
Not given	9	20	7	3	8	3	6	7	2	3	3	3	74
Total	121	112	106	96	107	104	124	102	92	103	96	35	1,198

Source: KHIS as of 31.12.2015

10. Birth information: TCH

Table 39: Birth outcome	s according to	mode of deli	very at TCH	
Made of Delivery		Outco	me	Cub Tabal
Mode of Delivery		Live birth	Stillbirth	Sub Total
Normal		1,048	17	1,065
Caesarean Section		123	5	128
Forceps		2	-	2
Other		3	-	3
	Grand Total	1,176	22	1,198

Source: KHIS as of 31.12.2015

Table 40: Births outco	omes according to	type of deli	very at TCH	
Turne of delivery		Outco	me	Sub Total
Type of delivery		Live birth	Stillbirth	
Vertex		1,158	20	1,178
Breech		18	2	20
	Grand Total	1,176	22	1,198

Source: KHIS as of 31.12.2015

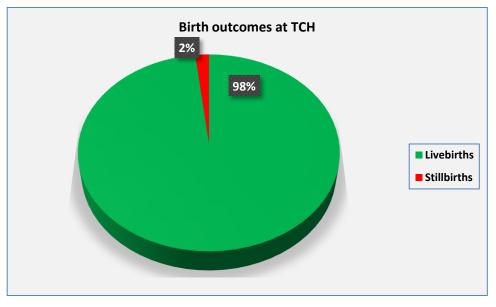


Figure 15: Birth outcomes at TCH

11. Birth information: Health Centers and Clinics

Table 41: Birth outcomes reported from island	Health Centers and	d clinics*
Outcome		Number
Live birth		866
Stillbirth		16
Outcome unrecorded		19
	Grand Total	901

^{*}Data extracted from MS1 as at 31.12.2015

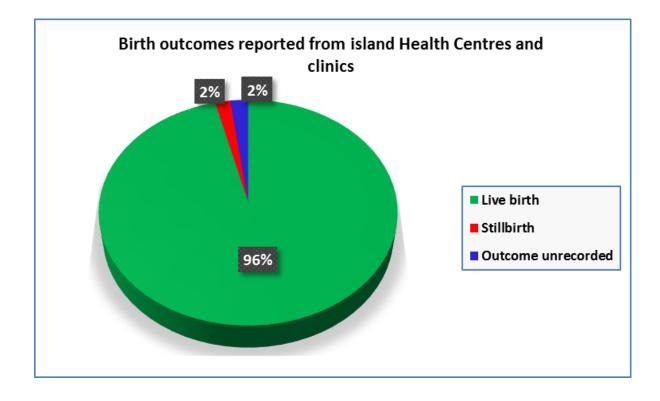


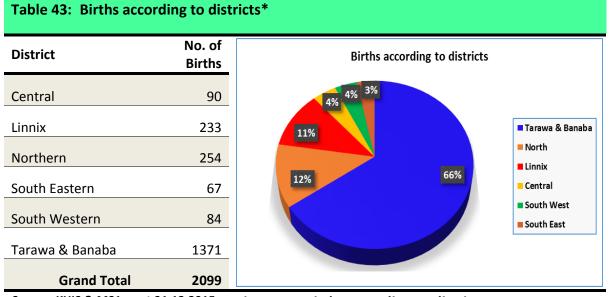
Figure 16: Birth outcomes reported from island Health Centres and clinics

#	Health Centre/clinic	No. of births
1.	Abaiang	114
2.	Abemama	44
3.	Aranuka	18
4.	Arorae	9
5.	Banaba	3
6.	Beru	29
7.	BTC	35
8.	Butaritari	50
9.	Kiritimati	172
10.	Kuria	7
11.	Maiana	21
12.	Makin	35
13.	Marakei	55
14.	Nikunau	15
15.	Nonouti	38
16.	Onotoa	19
17.	Tab North	9
18.	Tab South	18
19.	Tabuaeran (Fanning)	36
20.	Tamana	14
21.	Tarawa North	87
22.	Teraina (Washington)	25
23.	TUC	48
		Grand Total 901

Table 42: Deliveries at Health Centers and clinics

Source: MS1 as at 31.12.2015

12. Birth information: District Breakdown



Source: KHIS & MS1 as at 31.12.2015 Figure 17: Births according to districts *excluding SKH data

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 10,000 girls age 10-14 years): **3.4**

Adolescent birth rate (10-14 years) =	Total number of births in age group 10-14 years for the year (2) Total population of girls (10-14 years) (5,968)	X 10,000		
Methodological/System Issu	Jes:			
• 2010 census population	(latest official figures available) is used as base population.			
 Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting. 				
• It is likely that the number of deliveries is under-reported.				
 Fertility data is weak in . 	the country			

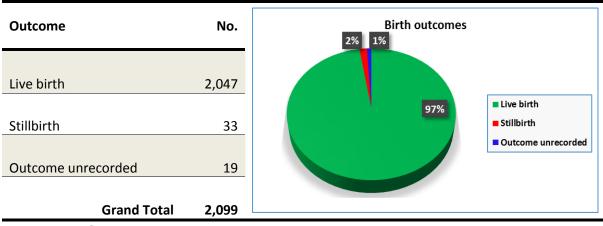
• Fertility data is weak in the country.

Adolescent birth rate for 15-19 years: Probability of giving birth between the age 15-19 years in a given year (per 10,000 girls age 15-19 years): **331.2**

Adolescent birth rate	Total number of births in age group 15-19 years for the year (177)	X 10,000					
(15-19 years) =	Total population of girls (15-19 years) (5,344)						
Methodological/System	Issues:						
• 2010 census population (latest official figures available) is used as base population.							
• Data for 2015 has be	• Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting.						
• It is likely that the n	 It is likely that the number of deliveries is under-reported. 						
Fortility data is weak in the country							

• Fertility data is weak in the country.

Table 44: Births reported from Hospitals, Health Centers and Clinics*



Sources: KHIS & MS1 as at 31.12.2015 *excluding SKH data Figure 18: Country birth outcomes

14. Non Communicable Disease (NCD) burden

Diabetes: Percent of people presenting to health facilities with diabetes (confirmed or suspected): **49.7**

% of Diabetes =	Number of people presenting to health facilities with Diabetes (14,457) X 100						
% OF Diabetes -	Total number of patent visits with NCDs to health facilities (29,072)						
Methodological/Syste	em Issues:						
 Data for 2015 has been sourced from the KHIS & MS1 and is likely to be affected by under-counting and/or multiple counting. 							
 Strengthened rep figures. 	orting and timely completion of data loading to MS1 would contribute to more accurate						

• Morbidity data is weak in the country.

Hypertension: Percent of people presenting to health facilities with hypertension (confirmed or suspected): **46.9**

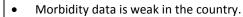
% of Hypertension =	Number of people presenting to health facilities with Hypertension (13,640) Total number of patent visits with NCDs to health facilities (29,072)	X 100
Methodological/System I	lssues:	
multiple counting.	en sourced from the KHIS & MS1 and is likely to be affected by under-counting and	
Morbidity data is weat	ak in the country.	

	Patient registration & visit	Month										Tatal		
NCD		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypertension	Patients registered	2,141	2,277	2,354	2,391	1,903	1,916	1,637	2,636	1,873	2,668	2,554	2,541	26,89
	1 st Visit + Revisits	788	980	1,011	986	1,136	1,343	1,064	1,368	1,265	1,381	1,295	957	13,57
Diabetes	Patients registered	1,679	1,785	1,839	1,987	1,857	1,867	1,606	2,164	1,801	2,153	2,022	1,996	22,75
	1 st Visit + Revisits	933	1,094	983	1,199	1,128	1,552	1,080	1,478	1,185	1,382	1,269	905	14,18
Mental illnesses	Patients registered	60	69	56	55	69	65	64	64	66	71	63	46	74
	1 st Visit + Revisits	17	18	30	39	36	50	35	30	43	67	35	25	42

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): 421.1

٦	Fuberculosis case	Number of bacteriologically confirmed (new & relapse) TB cases (434)							
r	notification rate =	Total Population (103,058)							
Me	ethodological/System	Issues:							
•	2010 census popula	tion (latest official figures available) is used as base population.							
•	• Data for 2014 (latest available) has been sourced from the MS1 and is likely to be affected by under-counting and/or multiple counting.								
•	Strengthened repor figures.	ting and timely completion of data loading to MS1 would contribute to more acc	urate						
•	Morhidity data is we	eak in the country							



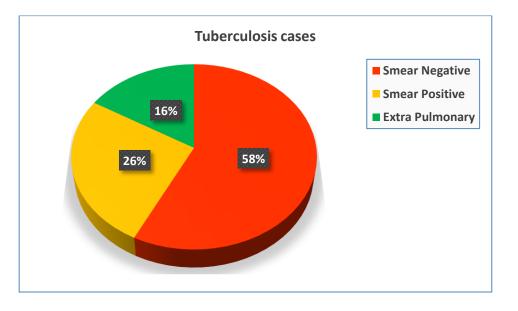


Figure 19: Tuberculosis case notifications (new & relapsed) for 2015

Tuberculosis treatment success rate: Percentage of new, bacteriologically confirmed smearpositive tuberculosis cases that were cured or in which a full course of treatment was 79.7 completed:

Τι	uberculosis treatment success rate =	<u>Treatment completed + cured TB cases (346)</u> Number of (new + relapsed) TB cases registered for the year (434)	X 100
Me	ethodological/System Issue	25:	
•	Data for 2014 (latest avail and/or multiple counting.	eted/cured TB cases (for 2014) were sourced from National TB control program lable) has been sourced from the MS1 and is likely to be affected by under-cour nd timely completion of data loading to MS1 would contribute to more accurat	nting
•	Morbidity data is weak in	the country.	

Table 46: Tuberculosis Reporting Month Туре Category Total Feb Jul Jan Mar May Jun Aug Sep Oct Nov Dec Apr New Cases 11 19 14 14 1 8 7 11 8 10 104 1 _ Retreatment 2 10 3 2 2 1 -_ ----Smear Positive Defaulted 1 -----1 ----_ 3 Fail 1 ----1 1 -----New Cases 21 27 1 26 25 21 27 33 32 28 242 1 -Smear Negative Retreatment 1 2 2 1 1 7 -------New Cases 3 3 5 14 4 10 14 7 9 69 ---Extra Pulmonary Retreatment 2 1 1 ----------

Source: MS1 as at 31.12.2015

16. Leprosy burden

Table 47: Leprosy Reporting

F 1.//m.o.		Catagory						Month							Total
Гуре		Category	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	IOU
	Adult	Continuers from last month	7	8	12	13	7	16	14	12	13	13	12	1	12
		New clients	-	-	1	-	1	4	-	-	1	-	-	-	
		Restart	-	-	-	-	-	-	-	-	1	-	-	-	
		Discontinuers	-	-	-	-	-	2	-	-	1	-	-	-	
		Lost contact	-	1	1	3	-	-	-	-	-	-	-	-	
1B		Continuers at end of month	-	-	-	-	-	-	1	-	-	-	-	-	
ID	Child	Continuers from last month	-	-	-	-	-	-	-	-	-	-	-	-	
		New clients	7	7	12	10	8	18	13	12	16	13	12	1	1
		Restart	2	1	-	3	3	4	2	1	2	2	2	1	
		Discontinuers	-	-	-	-	-	-	-	-	-	-	-	-	
		Lost contact	-	-	-	-	-	-	-	-	-	-	-	-	
		Continuers at end of month	-	-	-	-	-	-	-	-	-	-	-	-	
	Adult	Continuers from last month	-	-	-	-	-	-	-	-	-	-	-	-	
		New clients	-	-	-	-	-	-	-	-	-	-	-	-	
		Restart	-	-	-	-	-	-	-	-	-	-	-	-	
		Discontinuers	2	1	-	3	3	4	3	1	2	3	2	1	
		Lost contact	1	1	-	8	4	8	5	4	4	2	4	-	
_		Continuers at end of month	-	-	-	-	-	-	2	-	7	1	5	-	
В	Child	Continuers from last month	-	-	-	-	-	-	-	-	-	-	-	-	
		New clients	-	-	-	-	-	1	-	-	-	-	-	-	
		Restart	-	-	-	-	-	1	-	-	-	-	-	-	
		Discontinuers	-	-	-	-	-	-	1	-	-	-	-	-	
		Lost contact	-	-	-	-	-	-	-	-	-	-	-	-	
		Continuers at end of month	1	1	_	8	4	8	6	4	11	3	7	2	

Source: MS1 as at 31.12.2015

Notes			