

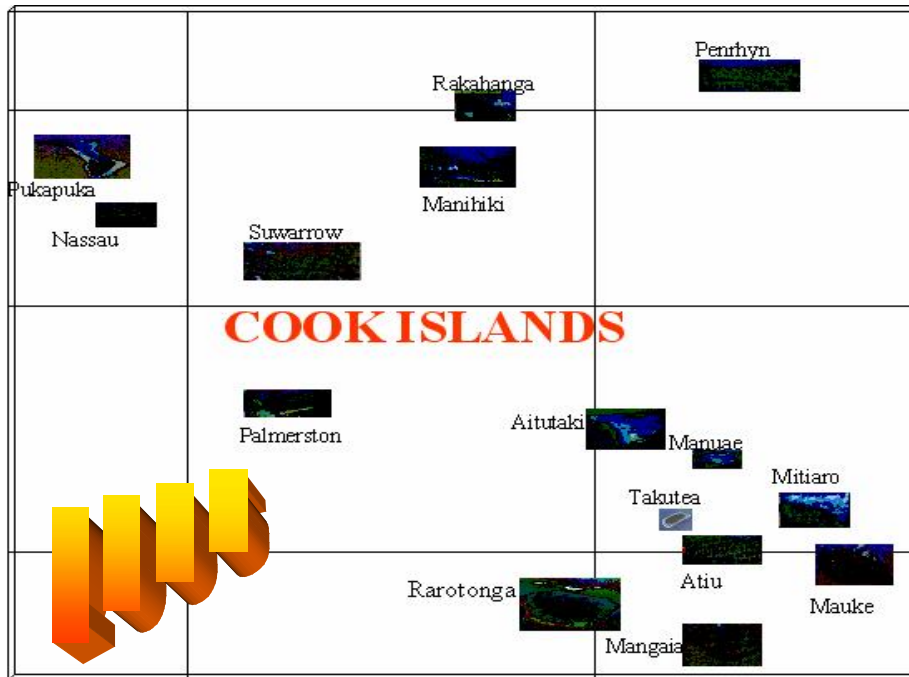
COOK ISLANDS



MINISTRY OF HEALTH

TE MARAE ORA

ANNUAL STATISTICAL BULLETIN



STATISTICAL BULLETIN
2005

MEDICAL RECORDS UNIT
Rarotonga Hospital

Staffs: Mr Ngari Munokoa

Mr Tearoa Iorangi

Miss Moeroa Boaza

Miss Peggy Matapo

Published: August 2006

Mailing Address: PO Box 109
Avarua
Rarotonga
COOK ISLANDS

Phone: (682) 22664 Hospital
29664 Admin
Fax: (682) 22670 Hospital
23109 Admin

E-mail Address: t.iorangi@health.gov.ck
www.health.gov.ck



PREFACE

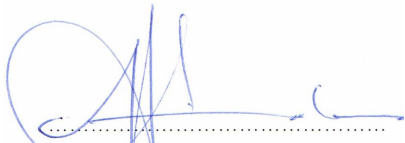
I have the pleasure in releasing yet another Ministry of Health, Medical Records Unit Annual Statistical Bulletin, the result of a year's dedication invested by all those involved in the compiling of once again this useful document. It provides key health statistical information for the Cook Islands on an annual basis.

The information contained in this report will be used by the Ministry of Health (MOH) to assist in identifying public health needs, in formulating future plans and advise the Minister of Health on how needs should be addressed, and in assessing progress towards the health outcome targets.

We believe that this report will also be of interest to others, because it provides information that is needed to debate about health needs and priorities that will benefit the people of the Cook Islands.

This bulletin provides key health indicators for creating framework adopted for our planners both in the public and the private sector.

I would like to kindly acknowledge all personnel involved with the compiling of this useful document in a continuous time series.



Dr Tikaka Henry
Director of Clinical Services
Rarotonga Hospital
Ministry of Health

CONTENTS

1. POPULATION
2. HEALTH FACILITY
3. VITAL STATISTICS
4. BIRTH
5. MORBIDITY
6. NOTIFIABLE DISEASE
7. MALIGNANT NEOPLASM
8. NON COMMUNICABLE DISEASE (NCD)
9. MORTALITY
10. HOSPITAL INDICES
11. OUTPATIENT
12. LABORATORY SERVICES
13. X-RAY SERVICES
14. SURGICAL OPERATION
15. PHYSIOTHERAPY SERVICES
16. FAMILY PLANNING
17. IMMUNIZATION
18. MOTOR VEHICLE TRAFFIC ACCIDENTS
19. FISH POISONING (CIQUATERA)
20. MEASLES

ANNEX A - Health Indicator

1. POPULATION



The total population of the Cook Islands reported in 2001 by the Statistics Office was 18,027. 9,303 (52 percent) were males and 8,724 (48 percent) females. A total of 8,112 were aged between 15 to 44 years; 5,422 between 0 to 14 and 1,912 reported to having ages 60 years and over.

**TABLE 1.1 Population by Region and Age Groups.
COOK ISLANDS 2001**

Region	Age Group				Total
	0-14	15-44	45-59	> 59	
	Population				
COOK ISLANDS	5,422	8,112	2,581	1,912	18,027
Rarotonga	3,274	5,820	1,869	1,243	12,206
Southern Group excl. Raro	1,421	1,492	568	521	4,002
Northern Group	727	800	144	148	1,819
	Percentage Distribution				
COOK ISLANDS	30.1	45.0	14.3	10.6	100.0
Rarotonga	26.8	47.7	15.3	10.2	67.7
Southern Group excl. Raro	35.5	37.3	14.2	13.0	22.2
Northern Group	40.0	44.0	7.9	8.1	10.1

The Resident population during the census was reported at 14,990. 52 percent were males and 48 percent females. These are people permanently residing on each of the islands in the Cook Islands.

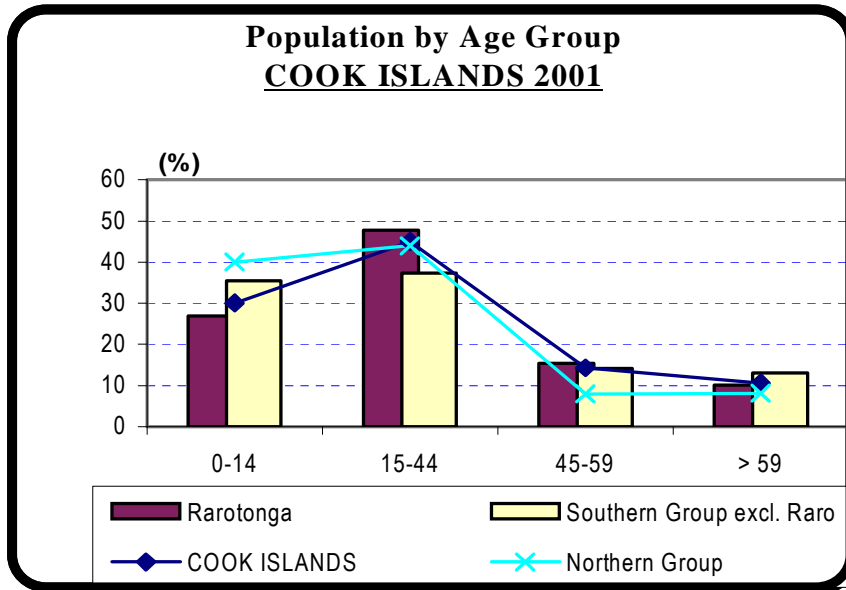
63 percent were residing on the main island Rarotonga; 25 percent were residing on the other Southern Group islands (Aitutaki, Mangaia, Atiu, Mauke, Mitiaro) and 12 percent residing on the Northern Group islands (Palmerston, Pukapuka, Nassau, Manihiki, Rakahanga, Penrhyn, Suvarrow).

In Rarotonga, 45 percent of the population were between the ages of 15 to 44 years; 32 percent were between the ages of 0 to 14; 14 percent were between the ages of 45 to 59 and the remaining 9 percent were for ages 60 and over.

In the other Southern Group Islands 37 percent were 0 to 14 years; 37 percent were 15 to 44 years and 27 percent were 45 years and over.

In the Northern Group Islands, 83 percent were between the ages 0 to 44 years with age group 60 years and over reporting 8 percent of the Northern Group population.

The graph below shows that the majority of people residing in the Cook Islands were aged between 15 to 44 years. Those islands in the Southern Group excluding Rarotonga reporting the highest number of persons (8 percent) in the 60 years and over age group; and 36 percent in the under 15 age group.



2. HEALTH FACILITY

There are a range of health facilities within the Cook Islands varying from hospitals to health centres and child welfare clinics. These can be seen in the following table.

**TABLE 2.1: Health Facilities Available by Region & Island.
COOK ISLANDS 2005**

REGION & ISLAND	Census Districts	Hospital Beds	Out-patient Clinics	Dental Clinics	Health Centres	Child Welfare Clinics	Private Clinics
COOK ISLANDS	44	127	9	8	6	50	5
RAROTONGA	12	70	2	4	0	27	5
SOUTHERN GROUP excl. Rarotonga	20	49	4	4	1	15	0
Aitutaki	4	28	1	1	0	8	0
Mangaia	6	6	1	1	0	6	0
Atiu	5	9	1	1	0	1	0
Mauke	3	6	1	1	0	0	0
Mitiaro	2	0	0	1	1	0	0
NORTHERN GROUP	12	8	3	0	5	8	0
Palmerston	1	0	0	0	1	0	0
Pukapuka	3	4	1	0	0	3	0
Nassau	1	0	0	0	1	0	0
Manihiki	2	2	1	0	1	2	0
Rakahanga	3	0	0	0	1	1	0
Penrhyn	2	2	1	0	1	2	0

3. VITAL STATISTICS

- Since 1994, there has been a continuous decline in the number of births up to 2002 recording the lowest year ever reported in the Cook Islands
- 2005 number showed a decline in live births by six from previous year totaling at 297 births
- In 2005, 88 percent of births occurred on the main Island Rarotonga
- Mothers referred to the Rarotonga hospital for the delivery of their babies were recorded and reported for the Island of Rarotonga
- Total deaths reported in 2005 is 95
- Rarotonga reported a total death of 64 percent in 2005
- Infant mortality rate (deaths to less than 1 year age per 1,000 live births) reported to be 9.9 percent (3 cases, all reported for the Island of Rarotonga)
- Six cases of fetal death (deaths that occurred after 20 weeks of pregnancy) were reported for the year 2005 accounting at a rate of 20 per 1,000.

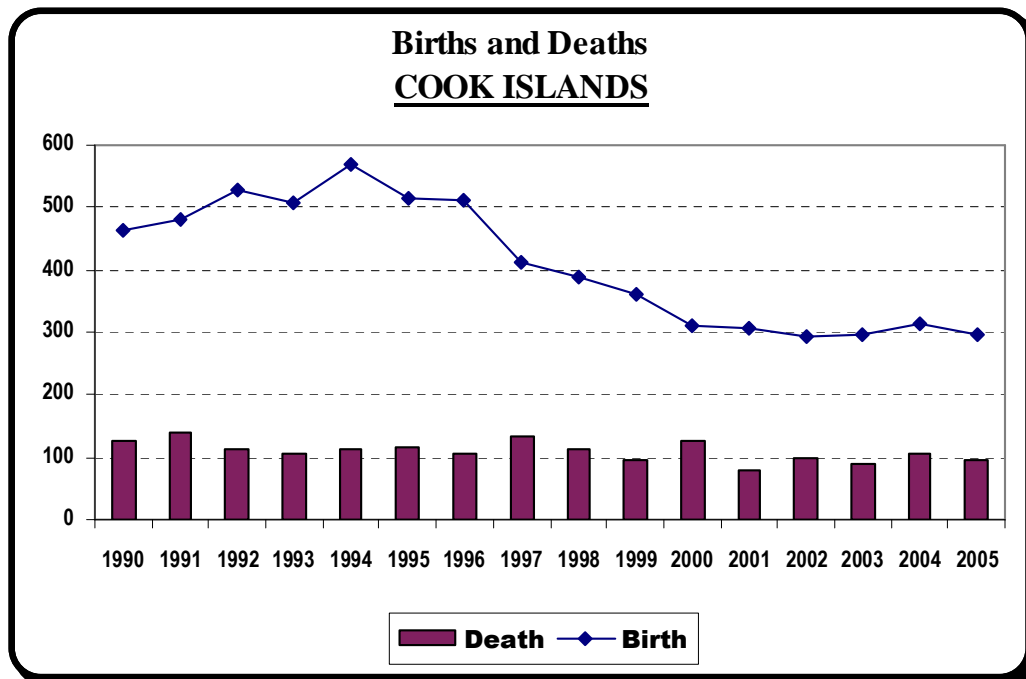
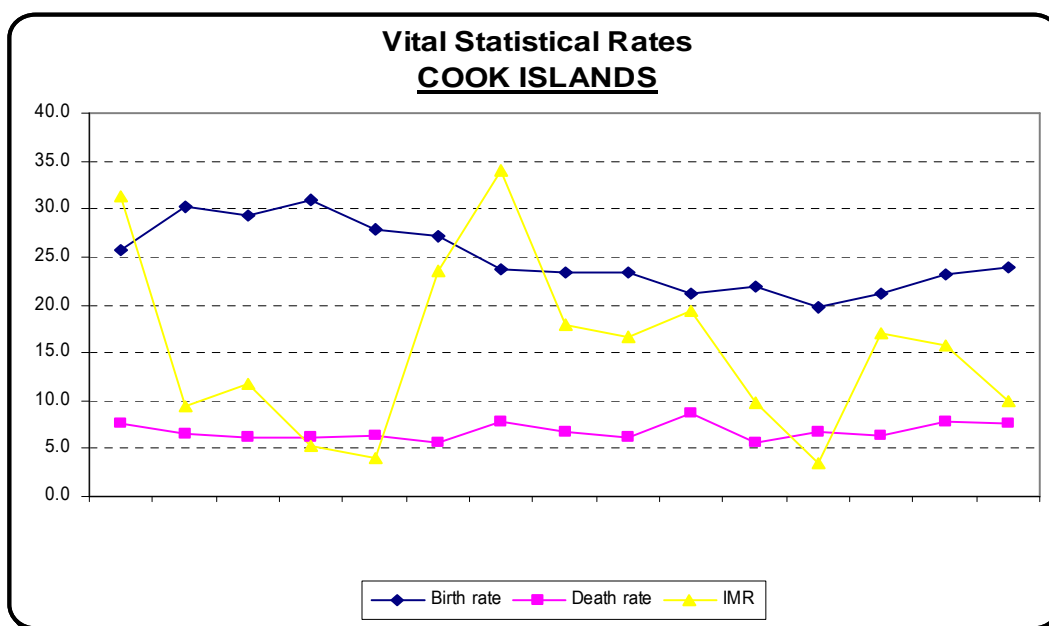


TABLE 3.1: Number and Rate of Births, Deaths, Infant Deaths, Maternal Deaths and Foetal Deaths. COOK ISLANDS 1985 - 2005

Year	Live Births		Deaths		Deaths under 1 yr		Maternal Deaths		Foetal Deaths	
	Number	Crude Rate	Number	Crude Rate	Number	Rate	Number	Rate	Number	Rate
1985	433	24.3	130	7.3	13	30.0	0	0	1	2.3
1986	420	24.0	98	5.6	7	16.7	0	0	4	9.4
1987	428	24.5	116	6.5	16	37.4	0	0	2	4.7
1988	425	24.3	93	5.3	3	7.0	0	0	4	9.5
1989	453	25.9	101	5.6	12	26.4	1	2	6	13.1
1990	465	26.6	127	6.9	12	25.8	0	0	2	4.3
1991	479	25.7	140	7.5	15	31.3	0	0	7	14.4
1992	529	30.2	114	6.5	5	9.5	1	2	4	7.5
1993	507	29.3	105	6.1	6	11.8	0	0	5	9.7
1994	568	30.9	114	6.2	3	5.3	0	0	4	7.1
1995	514	27.9	115	6.3	2	4.0	1	2	2	4.0
1996	510	27.1	105	5.6	12	23.5	0	0	4	7.8
1997	412	23.7	134	7.7	14	34.0	0	0	7	17.0
1998	389	23.4	111	6.7	7	18.0	0	0	3	7.7
1999	361	23.3	96	6.2	6	16.6	0	0	4	11.1
2000	309	21.2	127	8.7	6	19.4	0	0	4	12.9
2001	306	21.9	79	5.6	3	9.8	0	0	2	6.5
2002	293	19.8	100	6.8	1	3.4	0	0	2	6.8
2003	295	21.2	88	6.3	5	16.9	0	0	1	3.4
2004	313	23.2	106	7.9	5	15.8	0	0	3	9.6
2005	297	24.0	95	7.7	3	9.9	0	0	6	20.2

- Note: 1 - Rate calculating for 1985 were based on 1981 census, while 1986 to 1990 were based on 1986 census and 1991 census.
 2 - Rates are per 1,000 of the population.
 3 - Total Birth does not include Stillbirth.
 4 - Crude birth rate and crude death rate are calculated per thousand Resident population as of 1992



**TABLE 3.2: Live Births and Percentage Distribution by Region & Island and Year.
COOK ISLANDS 2002 - 2005**

REGION & ISLAND	2002		2003		2004		2005	
	Number	%	Number	%	Number	%	Number	%
COOK ISLANDS	293	100.0	295	100.0	313	100.0	297	100.0
RAROTONGA	232	79.2	236	80.0	264	84.3	261	87.9
SOUTHERN GROUP excluding Rarotonga	38	13.0	37	12.5	31	9.9	20	6.7
Aitutaki	21	7.2	26	8.8	26	8.3	16	5.4
Mangaia	10	3.4	6	2.0	2	0.6	3	1.0
Atiu	7	2.4	3	1.0	3	1.0	1	0.3
Mauke	0	0.0	2	0.7	0	0.0	0	0.0
Mitiaro	0	0.0	0	0.0	0	0.0	0	0.0
NORTHERN GROUP	23	7.8	22	7.5	18	5.8	16	5.4
Palmerston	0	0.0	0	0.0	0	0.0	0	0.0
Pukapuka/Nassau	18	6.1	19	6.4	16	5.1	10	3.4
Manihiki	3	1.0	3	1.0	1	0.3	5	1.7
Rakahanga	2	0.7	0	0.0	1	0.3	1	0.3
Penrhyn	0	0.0	0	0.0	0	0.0	0	0.0

**TABLE 3.3: Deaths and Percentage Distribution by Region & Island and Year.
COOK ISLANDS 2002 -
2005**

REGION & ISLAND	2002		2003		2004		2005	
	Number	%	Number	%	Number	%	Number	%
COOK ISLANDS	100	100.0	88	100.0	106	100.0	95	100.0
RAROTONGA	60	60.0	54	61.4	72	67.9	61	64.2
SOUTHERN GROUP excluding Rarotonga	32	32.0	22	25.0	29	27.4	28	29.5
Aitutaki	13	13.0	8	9.1	10	9.4	11	11.6
Mangaia	6	6.0	6	6.8	9	8.5	5	5.3
Atiu	8	8.0	4	4.5	7	6.6	7	7.4
Mauke	5	5.0	1	1.1	1	0.9	5	5.3
Mitiaro	0	0.0	3	3.4	2	1.9	0	0.0
NORTHERN GROUP	8	8.0	12	13.6	5	4.7	6	6.3
Palmerston	0	0.0	0	0.0	0	0.0	0	0.0
Pukapuka/Nassau	3	3.0	4	4.5	4	3.8	5	5.3
Manihiki	2	2.0	2	2.3	0	0.0	0	0.0
Rakahanga	1	1.0	4	4.5	0	0.0	1	1.1
Penrhyn	2	2.0	2	2.3	1	0.9	0	0.0

**TABLE 3.4: Live Births by Region & Island, Year and Sex.
COOK ISLANDS 2002 – 2005**

REGION & ISLAND	2002			2003			2004			2005		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
COOK ISLANDS	293	153	140	295	158	137	313	162	151	297	162	135
RAROTONGA	232	120	112	236	133	103	264	141	123	261	138	123
SOUTHERN GROUP excluding Rarotonga	38	19	19	37	15	22	31	14	17	20	15	5
Aitutaki	21	10	11	26	11	15	26	12	14	16	13	3
Mangaia	10	8	2	6	2	4	2	0	2	3	2	1
Atiu	7	1	6	3	2	1	3	2	1	1	0	1
Mauke	0	0	0	2	0	2	0	0	0	0	0	0
Mitiaro	0	0	0	0	0	0	0	0	0	0	0	0
NORTHERN GROUP	23	14	9	22	10	12	18	7	11	16	9	7
Palmerston	0	0	0	0	0	0	0	0	0	0	0	0
Pukapuka/Nassau	18	9	9	19	8	11	16	6	10	10	6	4
Manihiki	3	3	0	3	2	1	1	1	0	5	2	3
Rakahanga	2	2	0	0	0	0	1	0	1	1	1	0
Penrhyn	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 3.5: Deaths by Region & Island, Year and Sex.
COOK ISLANDS 2002 – 2005**

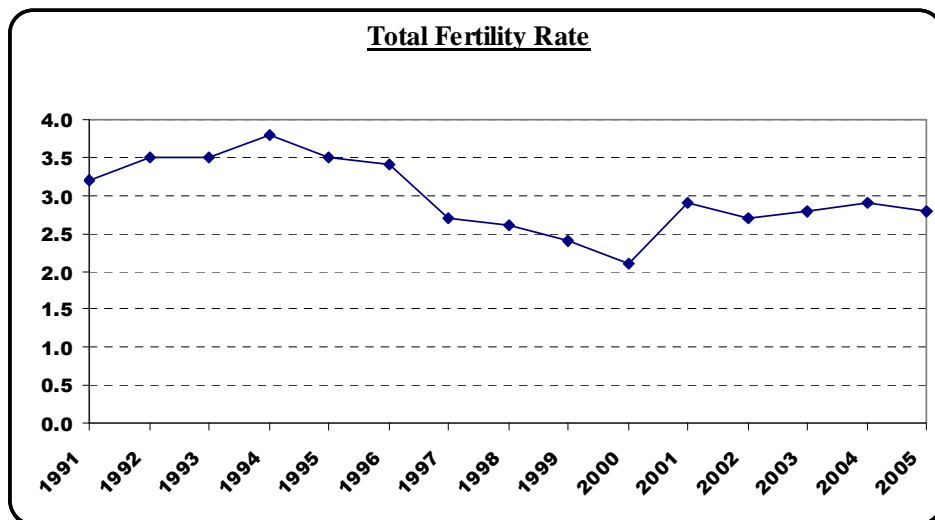
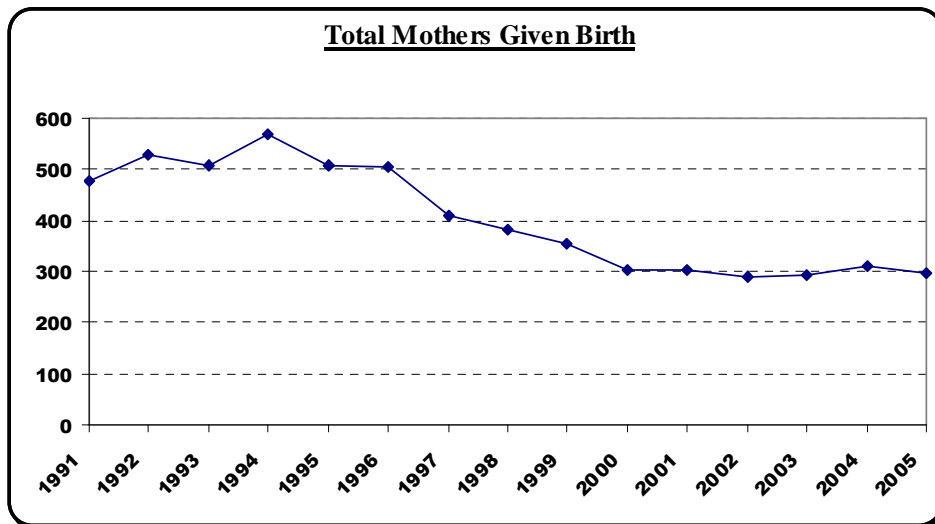
REGION & ISLAND	2002			2003			2004			2005		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
COOK ISLANDS	100	64	36	89	47	42	106	65	41	95	62	33
RAROTONGA	60	38	22	54	32	22	72	47	25	61	37	24
SOUTHERN GROUP excluding Rarotonga	32	20	12	22	8	14	29	15	14	28	21	7
Aitutaki	13	5	8	8	4	4	10	6	4	11	9	2
Mangaia	6	5	1	6	2	4	9	4	5	5	2	3
Atiu	8	6	2	4	2	2	7	3	4	7	5	2
Mauke	5	4	1	1	0	1	1	1	0	5	5	0
Mitiaro	0	0	0	3	0	3	2	1	1	0	0	0
NORTHERN GROUP	8	6	2	13	7	6	5	3	2	6	4	2
Palmerston	0	0	0	0	0	0	0	0	0	0	0	0
Pukapuka/Nassau	3	1	2	5	5	0	4	3	1	5	3	2
Manihiki	2	2	0	2	1	1	0	0	0	0	0	0
Rakahanga	1	1	0	4	1	3	0	0	0	1	1	0
Penrhyn	2	2	0	2	0	2	1	0	1	0	0	0

Note: 1. Excludes all Tourists dying in the Cook Islands.

4. BIRTH



- 296 women in the Cook Islands were reported to have given birth to a child in 2005
- One set of twins was reported for 2005 and was delivered on Rarotonga
- In 2005, the 20 to 24 year age groupings continued to record the highest number of mothers who gave birth (27 percent)
- The average number of children (Total Fertility Rate) that would be born alive to a woman during her lifetime in 2005 remains at 3 (2.8)



**TABLE 4.1: Mothers given Birth by Region & Island and Age of Mother
COOK ISLANDS 2005**

REGION & ISLAND	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
COOK ISLANDS	296	1	44	80	62	54	40	15	0
RAROTONGA	260	1	41	72	51	45 ^a	35	15	0
SOUTHERN GROUP excluding Rarotonga	20	0	2	5	3	6	4	0	0
Aitutaki	16	0	1	5	3	5	2	0	0
Mangaia	3	0	0	0	0	1	2	0	0
Atiu	1	0	1	0	0	0	0	0	0
Mauke	0	0	0	0	0	0	0	0	0
Mitiaro	0	0	0	0	0	0	0	0	0
NORTHERN GROUP	16	0	1	3	8	3	1	0	0
Palmerston	0								
Pukapuka/Nassau	10	0	1	2	5	2	0	0	0
Manihiki	5	0	0	1	2	1	1	0	0
Rakahanga	1	0	0	0	1	0	0	0	0
Penrhyn	0	0	0	0	0	0	0	0	0

Note: ^a Denote pairs of twins.

**TABLE 4.2: Mothers given Birth by Region & Island and Age of Mother
COOK ISLANDS 2004**

REGION & ISLAND	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
COOK ISLANDS	309	1	38	91	73	54	38	13	1
RAROTONGA	260	1	32	71	62 ^a	49	33	11	1
SOUTHERN GROUP excluding Rarotonga	31	0	4	13	7	1	5	1	0
Aitutaki	26	0	4	12	5	0	4	1	0
Mangaia	2	0	0	0	2	0	0	0	0
Atiu	3	0	0	1	0	1	1	0	0
Mauke	0	0	0	0	0	0	0	0	0
Mitiaro	0	0	0	0	0	0	0	0	0
NORTHERN GROUP	18	0	2	7	4	4	0	1	0
Palmerston	0								
Pukapuka/Nassau	16	0	2	6	4	3	0	1	0
Manihiki	1	0	0	1	0	0	0	0	0
Rakahanga	1	0	0	0	0	1	0	0	0
Penrhyn	0	0	0	0	0	0	0	0	0

Note: ^a Denote pairs of twins.

**TABLE 4.3: Mothers Given Birth and Fertility Rates by Age Groupings.
COOK ISLANDS 1996 - 2005**

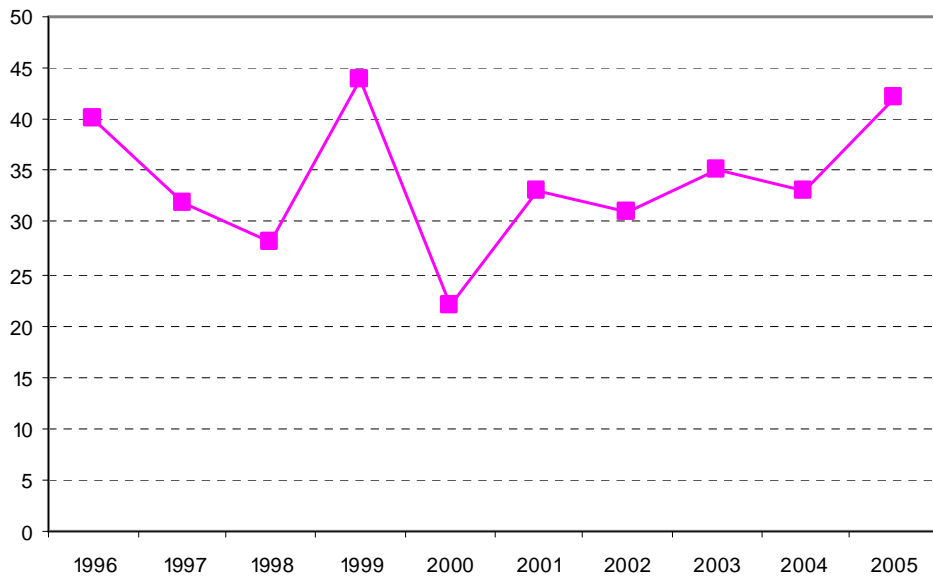
Age Group	Female Resident Population		Number of Mothers									
	1996	2001	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
15-19	808	656	59	48	43	63	35	39	42	43	39	45
20-24	813	491	185	138	101	88	84	80	71	77	91	80
25-29	805	524	128	109	118	92	74	66	82	63	73	62
30-34	695	541	71	65	72	62	63	74	47	53	54	54
35-39	584	524	54	38	40	40	42	34	35	41	38	40
40-44	453	449	9	12	9	11	6	11	13	17	14	15
Total	4,158	3,185	506	410	383	356	304	304	290	294	309	296
Age-Specific Fertility Rate (per 1'000 Women)												
15-19			73	59	53	78	43	59	64	66	59	69
20-24			228	170	124	108	103	163	145	157	185	163
25-29			159	135	147	114	92	126	156	120	139	118
30-34			102	94	104	89	91	137	87	98	100	100
35-39			92	65	68	68	72	65	67	78	73	76
40-44			20	26	20	24	13	24	29	38	31	33
General Fertility Rate (GFR per 1'000 Women)			159	129	120	112	95	95	91	92	97	93
Total Fertility Rate			3.4	2.7	2.6	2.4	2.1	2.9	2.7	2.8	2.9	2.8

GFR = Total Number of Births/Female Population of CBA (15-44).

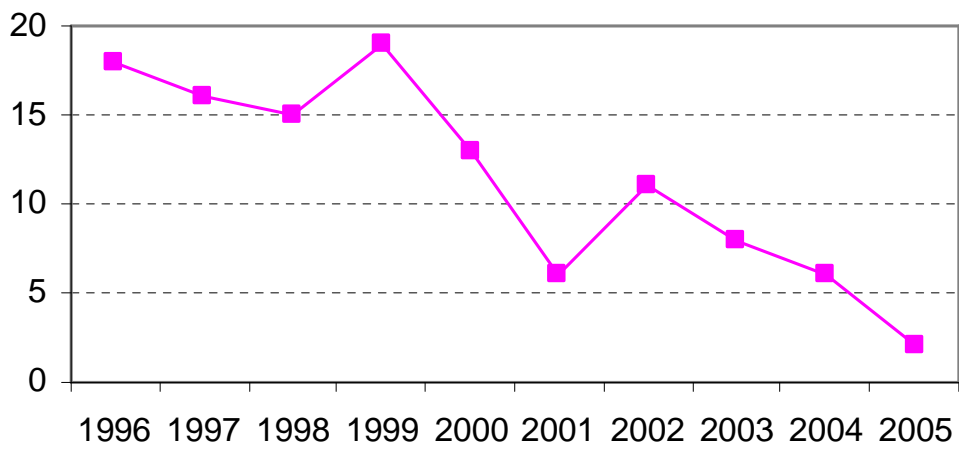
TFR = The average number of children that would be born alive to a woman during her childbearing years in her lifetime.

Note: Mothers whose age is < 15 are included in the 15-19 age groups,
those whose age is > 44 are included in the 40-44 age groups.

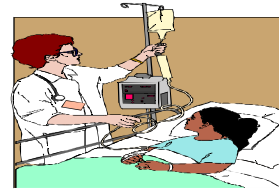
Teenage Pregnancy RAROTONGA



Teenage Pregnancy OUTER ISLANDS



5. MORBIDITY



- In 2005, diseases reported in the Rarotonga hospital for those been admitted for any sort of complaints were 2,529 (1,208 associated with males and 1,321 with females)
- Eye specialist team continues to visit and operate on several cataract patients hence reporting the same number as previous year. These patients are mostly referred from the Outer Islands
- Over 60 percent of diseases and complaints were from patients admitted were in the top ten causes with further 14 percent (364) were reported for those admitted in the maternity ward for delivery
- Diseases of the Circulatory System made-up almost 25 percent of the top ten causes of inpatient morbidity. Almost 38 percent of those was due to hypertensive diseases
- Diabetes Mellitus comprises almost 81 percent of all the Endocrine, Nutritional & Metabolic Diseases & Immunity Disorders as reported for patients admitted in 2005

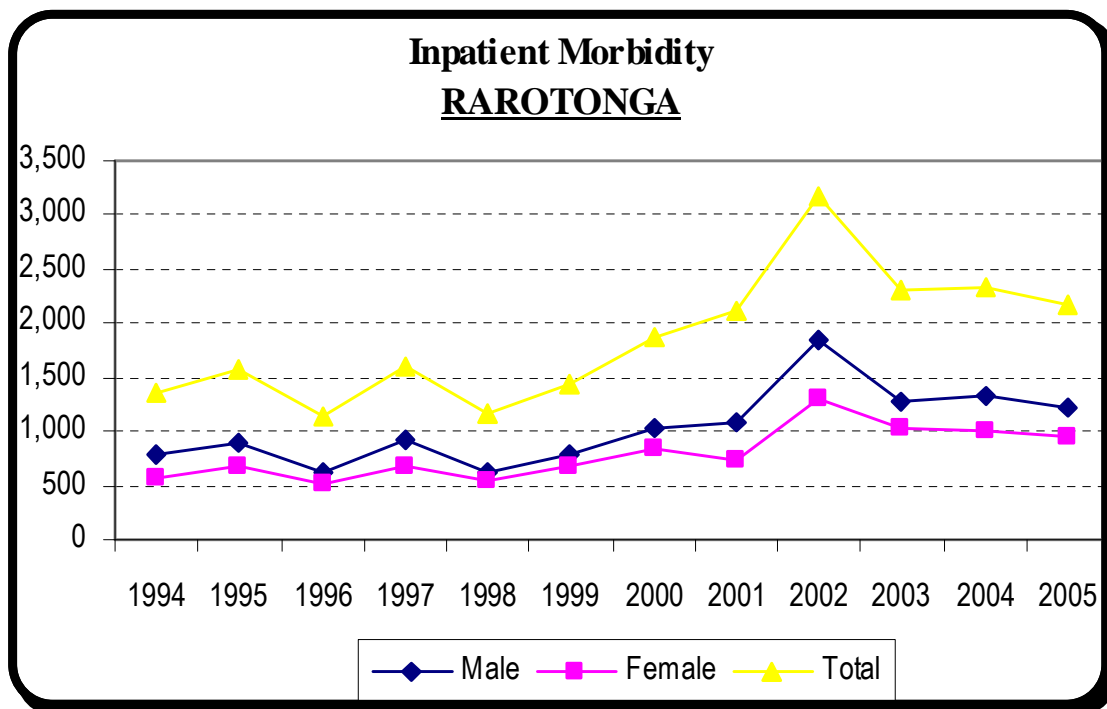


TABLE 5.1: Inpatient Morbidity (Diseases) by Year and Sex.

RAROTONGA 2004 - 2005

ICD 10 Code	CAUSE	2004		2005	
		M	F	M	F
	ALL CAUSES	1,329	1,345	1,208	1,321
A00-B99	I Certain infectious and parasitic diseases	30	13	11	10
C00-D48	II Neoplasms	14	28	11	15
D50-D89	III Diseases of blood & blood-forming organs & certain disorders involving the immune mechanism	2	5	5	9
E00-E90	IV Endocrine, nutritional and metabolic diseases	63	60	65	64
F00-F99	V Mental and behavioural disorders	44	22	42	18
G00-G99	VI Diseases of the nervous system	20	36	27	23
H00-H59	VII Diseases of the eye and adnexa	32	37	38	31
H60-H95	VIII Diseases of the ear and mastoid process	17	5	9	7
I00-I99	IX Diseases of the circulatory system	175	157	182	130
J00-J99	X Diseases of the respiratory system	237	149	166	126
K00-K93	XI Diseases of the digestive system	102	76	91	58
L00-L99	XII Diseases of the skin and subcutaneous tissue	36	33	32	27
M00-M99	XIII Diseases of the musculoskeletal system and connective tissue	75	27	52	38
N00-N99	XIV Diseases of the genitourinary system	27	64	29	94
O00-O99	XV Pregnancy, childbirth and the puerperium		347		364
P00-P96	XVI Certain conditions originating in the perinatal period	14	9	6	10
Q00-Q99	XVII Congenital malformations, deformations and chromosomal abnormalities	4	9	5	4
R00-R99	XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	54	56	52	48
S00-T98	XIX Injury, poisoning and certain other consequences of external causes	221	116	226	122
V01-Y98	XX External causes of morbidity and mortality	154	68	145	74
Z00-Z99	XXI Factors influencing health status and contact with health services	8	28	14	49

TABLE 5.2: Ten Leading Causes of Inpatients Morbidity by Sex.

RAROTONGA 2005

Rank	ICD 10 Code	CAUSE	Male	Female	Both Sexes	%
		ALL CAUSES	675	589	1,264	63.7
1	XIX	Injury, poisoning and certain other consequences of external causes	226	122	348	13.8
2	IX	Diseases of the circulatory system	182	130	312	12.3
3	X	Diseases of the respiratory system	166	126	292	11.5
4	XI	Diseases of the digestive system	91	58	149	5.9
5	IV	Endocrine, nutritional and metabolic diseases	65	64	129	5.1
6	XIV	Diseases of the genitourinary system	29	94	123	4.9
7	XVIII	Symptoms, signs and abnormal clinical and laboratory findings, nec	52	48	100	4.0
8	XIII	Diseases of the musculoskeletal system and connective tissue	52	38	90	3.6
9	VII	Diseases of the eye and adnexa	38	31	69	2.7
10	XII	Diseases of the skin and subcutaneous tissue	32	27	59	2.3

TABLE 5.3: Total Hospital Morbidity by Age Groupings and Sex.
RAROTONGA 2005

DISEASE	Age Group										TOTAL
	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALL CAUSES	82	118	120	476	377	301	296	225	328	206	2,529
I – Certain Infectious and parasitic diseases	3	3	4	3	2	0	1	3	1	1	21
A00-A09 Intestinal and infectious diseases	2	1	0	0	0	0	0	0	0	0	3
A15-A19 Tuberculosis	0	0	0	1	1	0	0	0	1	1	4
A20-A49 Other bacterial diseases	0	1	1	0	0	0	1	1	0	0	4
A50-A89 Viral diseases	0	0	0	1	0	0	0	0	0	0	1
A90 Dengue fever	0	0	0	0	0	0	0	0	0	0	0
A91 Dengue haemorrhagic fever	0	0	0	0	0	0	0	0	0	0	0
A92-B34 Other viral diseases	0	1	2	1	1	0	0	2	0	0	7
B35-B99 Other	1	0	1	0	0	0	0	0	0	0	2
II – Neoplasms	0	0	0	0	1	5	5	5	7	3	26
C00-C14 Malignant neoplasm of lip, oral cavity and pharynx	0	0	0	0	0	0	0	0	0	0	0
C15-C26 Malignant neoplasm of digestive organs	0	0	0	0	0	0	0	1	1	1	3
C30-C39 Malignant neoplasm of respiratory and intrathoracic organs	0	0	0	0	0	1	0	2	1	0	4
C40-C50 Malignant neoplasm of bone, connective tissue, skin and breast	0	0	0	0	0	0	1	2	2	0	5
C51-C68 Malignant neoplasm of genitourinary organs	0	0	0	0	0	0	1	0	1	0	2
C69-C80 Malignant neoplasm of other and unspecified site	0	0	0	0	0	1	1	0	2	2	6
C81-C96 Malignant neoplasm of lymphoid, haematopoietic & related tissue	0	0	0	0	0	0	0	0	0	0	0
D00-D09 In situ neoplasms	0	0	0	0	0	0	0	0	0	0	0
D10-D36 Benign neoplasms	0	0	0	0	1	3	1	0	0	0	5
C97, D37-D48 Other	0	0	0	0	0	0	1	0	0	0	1
III - Diseases of the blood & blood-forming organs & certain disorders involving the immune mechanism	1	2	1	1	0	1	2	2	1	3	14
D50-D64 Nutritional, haemolytic, aplastic and other anaemias	1	2	1	1	0	1	2	2	1	3	14
D65-D89 Other	0	0	0	0	0	0	0	0	0	0	0
IV - Endocrine, nutritional & metabolic diseases & immunity disorders	0	3	1	5	3	8	15	27	38	29	129
E10-E14 Diabetes mellitus	0	0	0	4	2	7	13	24	29	25	104
E00-E07, E15-E35 Other endocrine disorders	0	0	0	0	0	0	1	1	4	1	7
E40-E46 Malnutrition	0	0	0	0	0	0	0	0	0	1	1
E50-E68 Other nutritional deficiencies & obesity	0	0	0	1	0	0	1	1	0	0	3
E70-E90 Metabolic disorders	0	3	1	0	1	1	0	1	5	2	14
V - Mental and behavioural disorders	0	0	1	25	9	9	11	2	2	1	60
F10-F19 Mental & behavioural disorders due to psychoactive substance use	0	0	0	23	7	4	9	2	0	0	45
F00-F09, F20-F99 Other	0	0	1	2	2	5	2	0	2	1	15
VI - Diseases of the nervous system	1	4	4	3	4	8	9	3	10	4	50
G00-G09 Inflammatory diseases of the central nervous system	1	1	0	1	0	1	0	0	0	0	4
G40-G47 Episodic and paroxysmal disorders	0	3	3	1	2	3	8	1	4	1	26
G10-G37, G50-G99 Other	0	0	1	1	2	4	1	2	6	3	20
VII - Diseases of the eye and adnexa	0	2	1	0	1	5	5	17	27	11	69
H00-H06 Disorders of eyelid, lacrimal system and orbit	0	2	1	0	0	0	0	0	0	0	3
H10-H59 Other	0	0	0	0	1	5	5	17	27	11	66

VIII - Diseases of the ear and mastoid process	2	1	5	2	1	2	1	2	0	0	16
H60-H62 Diseases of external ear	0	1	2	0	0	2	0	0	0	0	5
H65-H95 Other	2	0	3	2	1	0	1	2	0	0	11
IX - Diseases of the circulatory system	0	1	2	4	11	13	61	63	97	60	312
I00-I09 Rheumatic fever and rheumatic heart diseases	0	1	2	2	0	0	2	1	2	0	10
I10-I15 Hypertensive diseases	0	0	0	1	1	7	26	25	35	23	118
I20-I25 Ischaemic heart diseases	0	0	0	0	1	0	5	14	9	5	34
I26-I52 Diseases of pulmonary circulation & other forms of heart diseases	0	0	0	0	3	4	19	13	35	24	98
I60-I69 Cerebrovascular diseases	0	0	0	0	0	1	6	4	8	3	22
I70-I79 Diseases of arteries, arterioles and capillaries	0	0	0	0	0	0	0	0	0	1	1
I80-I89 Diseases of veins, lymphatic vessels and lymph nodes, nec	0	0	0	1	6	0	3	5	3	1	19
I95-I99 Other diseases of the circulatory system	0	0	0	0	0	1	0	1	5	3	10
X - Diseases of the respiratory system	51	56	29	18	20	13	16	15	41	33	292
J00-J06 Acute respiratory infections	0	2	3	1	5	0	2	0	0	1	14
J10-J18 Influenza and pneumonia	28	22	13	9	5	9	6	3	20	12	127
J20-J47 Other respiratory infections	19	17	5	4	4	2	2	5	13	9	80
J45 Asthma	3	15	7	2	3	1	3	3	5	3	45
J60-J70 Lung diseases due to external agents	1	0	0	0	1	0	1	0	0	0	3
J80-J99 Other diseases of the respiratory system	0	0	1	2	2	1	2	4	3	8	23
XI - Diseases of the digestive system	8	16	6	22	16	15	13	19	23	11	149
K00-K14 Diseases of oral cavity, salivary glands and jaws	0	2	0	1	0	1	0	0	1	0	5
K20-K31 Diseases of oesophagus, stomach and duodenum	0	0	0	4	3	2	4	7	3	2	25
K35-K38 Diseases of appendix	0	0	2	11	3	3	1	0	0	0	20
K40-K46 Hernia	0	0	0	3	1	5	1	3	3	3	19
K50-K52 Noninfective enteritis and colitis	8	14	2	3	3	1	3	2	8	0	44
K55-K63 Other diseases of intestines	0	0	0	0	1	0	2	3	6	1	13
K65-K93 Other	0	0	2	0	5	3	2	4	2	5	23
XII - Diseases of the skin and subcutaneous tissue	0	4	3	7	6	4	7	9	11	8	59
L00-L08 Infectious of skin & subcutaneous tissue	0	4	3	7	6	4	3	8	11	6	52
L10-L99 Other	0	0	0	0	0	0	4	1	0	2	7
XIII - Diseases of the musculoskeletal system & connective tissue	0	0	4	13	11	13	13	16	17	3	90
M00-M25 Arthropathies	0	0	3	5	5	5	3	5	4	0	30
M10 Gout	0	0	0	1	0	0	5	8	7	2	23
M30-M36 Other arthropathies	0	0	0	0	0	0	0	0	0	0	0
M40-M54 Dorsopathies	0	0	0	1	2	3	2	0	4	1	13
M60-M79 Soft tissue disorders	0	0	0	5	4	4	2	2	1	0	18
M80-M94 Osteopathies and chondropathies	0	0	1	1	0	1	1	1	0	0	5
M95-M99 Other	0	0	0	0	0	0	0	0	1	0	1
XIV - Diseases of the genitourinary system	0	3	4	16	22	30	28	4	7	9	123
N00-N16 Glomerular & renal tubulo-interstitial diseases	0	0	1	1	1	2	1	0	0	0	6
N17-N29 Renal failure, Urolithiasis, Other disorders of kidney and ureter	0	0	0	0	2	2	3	3	2	1	13
N30-N39 Other diseases of the urinary system	0	1	3	2	1	3	2	0	0	5	17
N40-N51 Diseases of male genital organs	0	2	0	3	3	4	0	0	2	3	17
N60-N64 Disorders of breast	0	0	0	1	4	2	1	0	3	0	11
N70-N77 Inflammatory diseases of female pelvic organs	0	0	0	4	5	6	2	0	0	0	17
N80-N98 Noninflammatory disorders of female	0	0	0	5	6	11	19	1	0	0	42

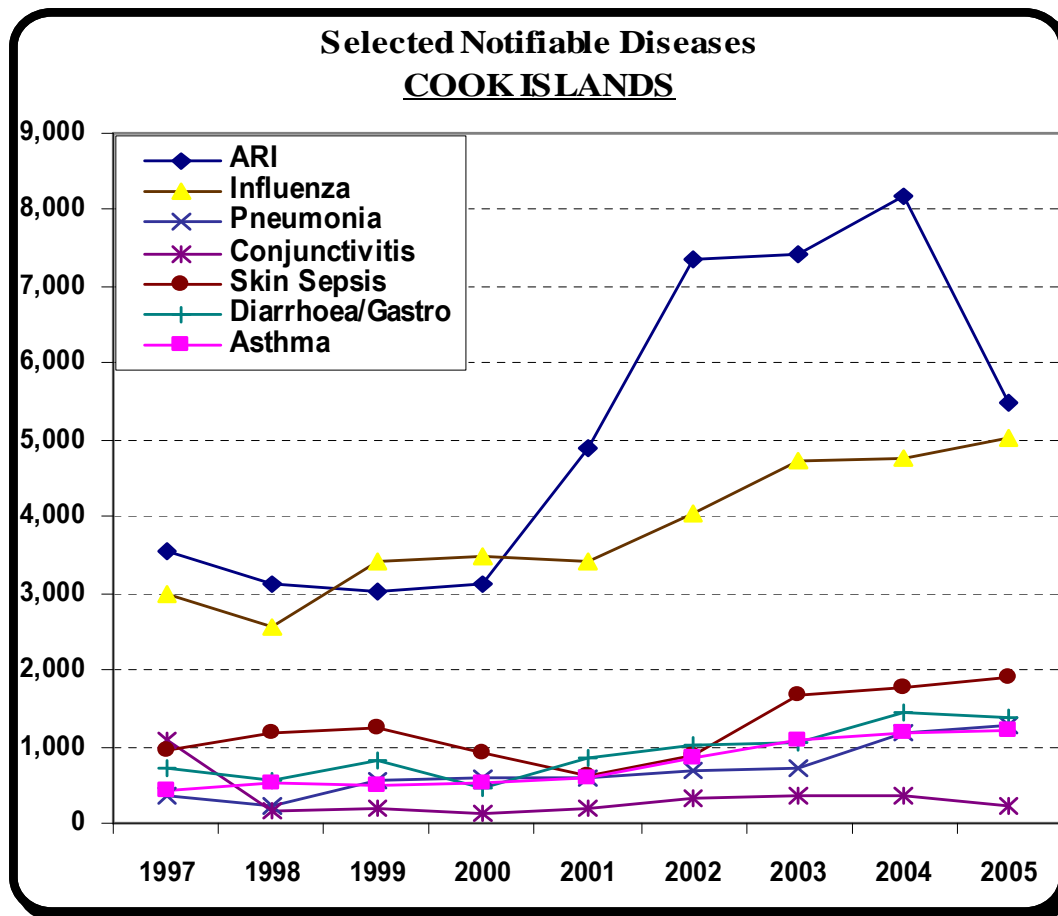
V30-V39, V60-V99	Other transport accidents	0	0	0	3	1	1	0	1	0	0	6
W00-W19	Falls	1	2	6	2	6	3	2	2	2	4	30
W20-W49	Exposure to inanimate mechanical forces	0	0	0	3	0	1	1	0	1	0	6
W50-W64	Exposure to animate mechanical forces	0	0	0	0	1	0	0	0	0	0	1
W65-W74	Accidental drowning and submersion	0	0	0	0	0	0	0	0	0	0	0
W75-W99	Other external causes of accidental injury	0	0	0	0	0	0	0	0	0	0	0
X00-X09	Exposure to smoke, fire and flames	0	0	1	0	0	1	0	0	0	0	2
X40-X49	Accidental poisoning by and exposure to noxious substances	0	0	0	6	12	18	17	3	7	1	64
X60-X84	Intentional self-harm	0	0	0	2	1	0	1	0	0	0	4
X85-Y09	Assault	0	0	0	2	0	0	2	0	0	0	4
X10-X39, X50-X59, Y10-Y98	Other	0	1	1	1	0	0	0	0	0	0	3
XXI - Factors influencing health status and contact with health services		1	2	4	15	18	14	4	1	4	0	63
Z00-Z13	Persons encountering health services for examination and investigation	0	1	1	5	4	0	0	0	0	0	11
Z20-Z29	Persons with potential health hazards related to communicable diseases	0	0	0	0	0	0	0	0	0	0	0
Z30-Z39	Persons encountering health services in circumstances related to reproduction	0	0	0	7	9	12	0	0	0	0	28
Z40-Z54	Persons encountering health services for specific procedures & health care	0	1	2	2	2	0	0	0	2	0	9
Z55-Z99	Others	1	0	1	1	3	2	4	1	2	0	15

6. NOTIFIABLE DISEASE

➤ The ten principal infectious diseases reported in the Cook Islands in 2005 were;

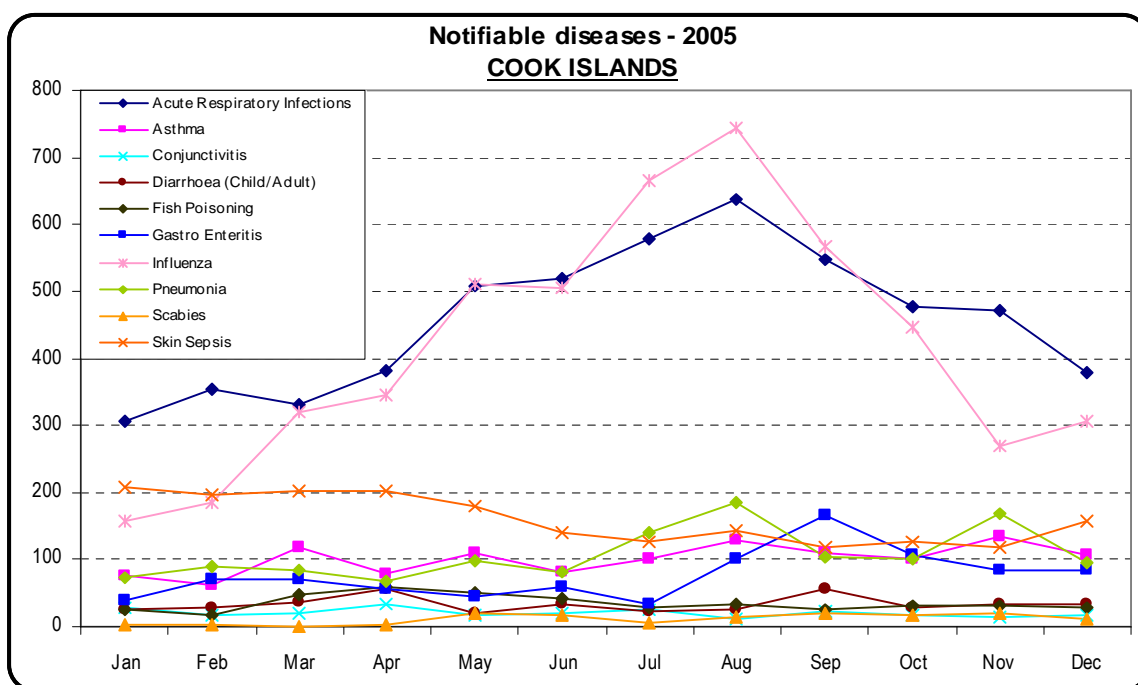
1. Acute Respiratory Infectious (ARI)	–	5,488
2. Influenza	–	5,020
3. Skin Sepsis	-	1,918
4. Pneumonia	–	1,290
5. Asthma	–	1,206
6. Gastro Enteritis	-	917
7. Diarrhoea (child/adult & infant)	–	453
8. Fish Poisoning	-	421
9. Conjunctivitis	–	241
10. Scabies	-	135

➤ Acute respiratory infectious diseases include nasopharyngitis (common cold), sinusitis, pharyngitis, tonsillitis, laryngitis and tracheitis, upper respiratory infections of multiple or unspecified site, bronchitis and bronchiolitis, fever, sore throat, emphysema.



**TABLE 6.1: Suspected Cases of Selected Notifiable Diseases by Month.
COOK ISLANDS 2005**

ICD 10 Code	Reported cases of selected diseases	MONTH												TOTAL
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
J00-J11, J20-J22	Acute Respiratory Infections	305	354	332	381	508	518	579	637	546	476	472	380	5,488
J45	Asthma	77	62	117	78	109	81	100	130	110	102	134	106	1,206
B01	Chickenpox	2	6	0	1	3	3	1	2	2	9	9	14	52
B30	Conjunctivitis	28	17	20	34	16	19	25	12	22	18	14	16	241
A90 - A91	Dengue	0	0	0	0	0	0	0	0	0	0	0	0	0
A09	Diarrhoea (Child/Adult)	26	28	37	56	20	34	23	24	57	27	35	34	401
A09	Diarrhoea (Infant)	4	1	7	11	1	2	2	8	2	2	4	8	52
A36	Diphtheria	0	0	0	0	0	0	0	0	0	0	2	0	2
B74	Filariasis	0	0	0	0	0	0	0	0	0	0	0	2	2
T61.0	Fish Poisoning	25	17	49	59	50	41	29	33	26	32	31	29	421
A09	Gastro Enteritis	40	70	70	56	45	58	35	101	166	108	85	83	917
A54	Gonorrhoea	0	1	0	0	0	0	3	2	5	5	2	3	21
B16	Hepatitis B	0	0	0	0	0	0	3	1	0	1	0	0	5
J10 - J11	Influenza	158	184	320	344	511	506	664	745	566	447	270	305	5,020
A30	Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0
B05	Measles	0	0	0	0	2	1	0	0	0	0	0	2	5
G00, G03	Meningitis	0	0	0	0	0	0	0	0	0	0	0	0	0
B26	Mumps	0	0	0	0	1	1	0	0	0	7	2	1	12
J12 - J18	Pneumonia	74	90	84	67	99	82	139	185	104	102	169	95	1,290
I00 - I02	Rheumatic Fever	7	0	3	0	1	3	9	5	6	10	14	17	75
B86	Scabies	2	4	1	3	21	16	7	15	20	17	19	10	135
L00 - L08	Skin Sepsis	208	197	203	202	179	140	127	143	118	125	118	158	1,918
A15 - A19	Tuberculosis, all forms	0	0	0	0	0	0	0	0	0	0	0	0	0
A37	Whooping Cough	0	0	0	0	1	0	0	1	0	1	0	1	4
A66	Yaws	0	0	0	0	0	0	0	0	0	0	0	0	0

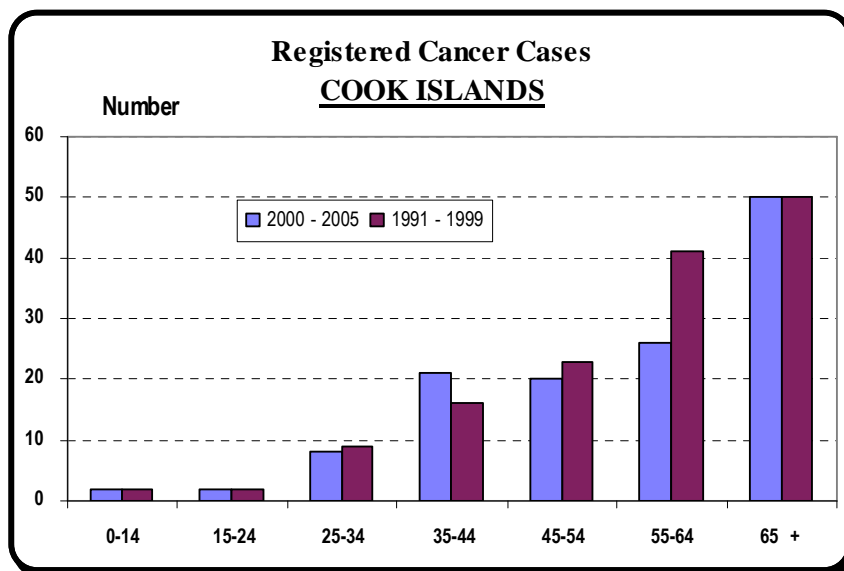


7. MALIGNANT NEOPLASM

- 410 cases were reported and registered at the Rarotonga hospital since establishing a register in 1981 to 2005
- 45 percent were reported to be males and 55 percent were females
- Cancer affects everybody but as shown in the table below, it mainly affects our older population and is more common in the over 50 age groups

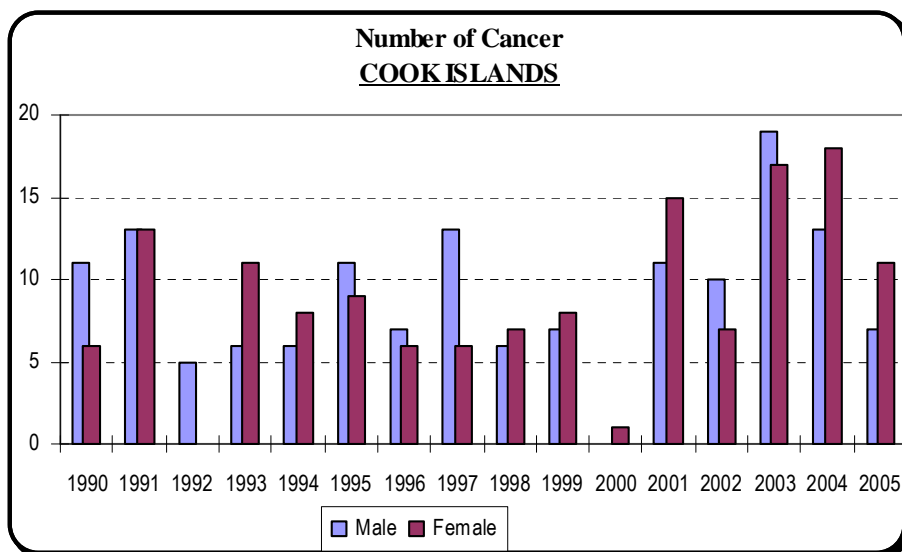
**TABLE 7.1: Reported Cancer Cases by Age Groupings and Sex.
COOK ISLANDS 1991 - 2005**

Age Group	2000 - 2005			1991 - 1999		
	Male	Female	Both Sex	Male	Female	Both Sex
0-14	1	1	2	1	1	2
15-24	2	0	2	2	0	2
25-34	0	8	8	1	8	9
35-44	5	16	21	4	12	16
45-54	7	13	20	9	14	23
55-64	13	13	26	25	16	41
65 +	32	18	50	32	18	50
Total	60	69	129	74	69	143



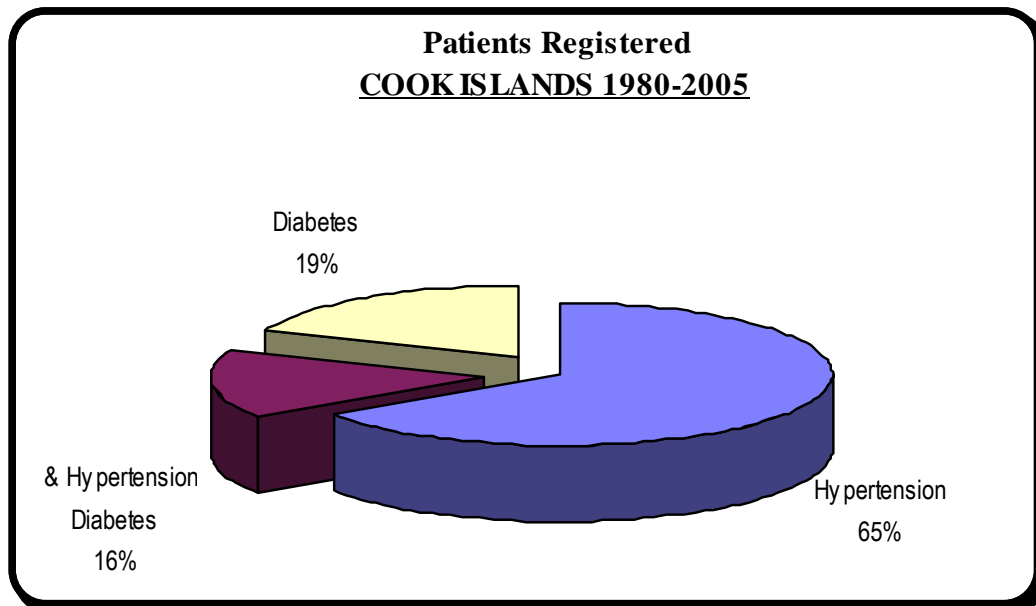
**TABLE 7.2: Prevalence of Cancer Cases Registered
by Year and Sex.
COOK ISLANDS 1981 - 2005**

Year	SEX		Both Sex
	Male	Female	
1981	1	0	1
1982	0	0	0
1983	3	6	9
1984	8	19	27
1985	6	13	19
1986	7	14	21
1987	7	13	20
1988	6	9	15
1989	3	7	10
1990	11	6	17
1991	13	13	26
1992	5	0	5
1993	6	11	17
1994	6	8	14
1995	11	9	20
1996	7	6	13
1997	13	6	19
1998	6	7	13
1999	7	8	15
2000	0	1	1
2001	11	15	26
2002	10	7	17
2003	19	17	36
2004	13	18	31
2005	7	11	18
Total	186	224	410



8. NON COMMUNICABLE DISEASE

- Between 1980 to 2005 over 23 percent of the resident population were diagnosed and registered for hypertension and diabetes
- The prevalence table count includes everyone registered from 1980 to 2005 and those that have died and those gone overseas throughout those years
- Of those registered 65 percent were to have acquired hypertension only, 16 percent having both hypertension and diabetes and 19 percent having Diabetes only
- Hypertension – 64 percent were registered for Rarotonga and 36 percent reported as residing in the outer islands
- Diabetes – 55 percent were registered for Rarotonga and 45 percent reported as residing on any of the outer islands
- Hypertension & Diabetes together – 47 percent were registered for Rarotonga and 53 percent registered for the outer islands
- Rarotonga - new cases reported and still attending these special clinics has declined from 72 in 2004 to 51 in 2005
- Outer Islands – new cases reported shows an increase from 58 in 2004 to 107 this year



**TABLE 8.1: Prevalence of NCD Cases Registered by Year.
COOK ISLANDS 1980 - 2005**

		⁽¹⁾ Total Resident Population Estimate	Hypertension							
			Hypertension	%	Diabetes	%	& Diabetes	%	TOTAL	%
1998	COOK ISLANDS	16,600	1,491	9.0	294	1.8	289	1.7	2,074	12.5
	Rarotonga		1,027		179		128		1,334	
	Outer Islands		464		115		161		740	
1999	COOK ISLANDS	15,500	1,549	10.0	329	2.1	295	1.9	2,173	14.0
	Rarotonga		1,031		181		129		1,341	
	Outer Islands		518		148		166		832	
2000	COOK ISLANDS	14,600	1,560	10.7	355	2.4	316	2.2	2,231	15.3
	Rarotonga		1,037		216		135		1,388	
	Outer Islands		523		139		181		843	
2001	COOK ISLANDS	14,000	1,598	11.4	377	2.7	331	2.4	2,306	16.5
	Rarotonga		1,061		223		143		1,427	
	Outer Islands		537		154		188		879	
2002	COOK ISLANDS	14,800	1,651	11.2	417	2.8	351	2.4	2,419	16.3
	Rarotonga		1,076		234		155		1,465	
	Outer Islands		575		183		196		954	
2003	COOK ISLANDS	13,900	1,745	12.6	469	3.4	399	2.9	2,613	18.8
	Rarotonga		1,151		269		190		1,610	
	Outer Islands		594		200		209		1,003	
2004	COOK ISLANDS	13,500	1,811	13.4	509	3.8	423	3.1	2,743	20.3
	Rarotonga		1,188		287		207		1,682	
	Outer Islands		623		222		216		1,061	
2005	COOK ISLANDS	12,400	1,900	15.3	547	4.4	454	3.7	2,901	23.4
	Rarotonga		1,220		299		214		1,733	
	Outer Islands		680		248		240		1,168	

**TABLE 8.2: Incidence of NCD Cases Registered by Year.
COOK ISLANDS 1998 - 2005**

		⁽¹⁾ Total Resident Population Estimate	Hypertension							
			Hypertension	%	Diabetes	%	& Diabetes	%	TOTAL	%
1998	COOK ISLANDS	16,600	88	0.5	20	0.1	9	0.1	117	0.7

	Rarotonga		18	6	5	29				
	Outer Islands		70	14	4	88				
1999	COOK ISLANDS	15,500	58	0.4	35	0.2	6	0.0	99	0.6
	Rarotonga		4		2		1		7	
	Outer Islands		54		33		5		92	
2000	COOK ISLANDS	14,600	69	0.5	26	0.2	27	0.2	122	0.8
	Rarotonga		10		2		7		19	
	Outer Islands		59		24		20		103	
2001	COOK ISLANDS	14,000	38	0.3	22	0.2	15	0.1	75	0.5
	Rarotonga		24		7		8		39	
	Outer Islands		14		15		7		36	
2002	COOK ISLANDS	14,800	53	0.4	40	0.3	20	0.1	113	0.8
	Rarotonga		15		11		12		38	
	Outer Islands		38		29		8		75	
2003	COOK ISLANDS	13,900	94	0.7	52	0.4	35	0.3	181	1.3
	Rarotonga		75		35		22		132	
	Outer Islands		19		17		13		49	
2004	COOK ISLANDS	13,500	66	0.5	40	0.3	24	0.2	130	1.0
	Rarotonga		37		18		17		72	
	Outer Islands		29		22		7		58	
2005	COOK ISLANDS	12,400	89	0.7	38	0.3	31	0.3	158	1.3
	Rarotonga		32		12		7		51	
	Outer Islands		57		26		24		107	

Note: ⁽¹⁾ Source of population data is the Statistics Office (MFEM) - June quarter

TABLE
8.3: Prevalence of NCD Cases Registered
by Region & Island.
COOK ISLANDS 1980 - 2005

	Hypertension
--	--------------

REGION & ISLAND	Hypertension	Diabetes	& Diabetes	Total
COOK ISLANDS	1,900	547	454	2,901
RAROTONGA	1,220	299	214	1,733
SOUTHERN GROUP excluding Rarotonga	494	179	162	835
Aitutaki	208	69	50	327
Mangaia	110	40	38	188
Atiu	96	25	36	157
Mauke	42	36	27	105
Mitiaro	38	9	11	58
NORTHERN GROUP	186	69	78	333
Palmerston	8	1	0	9
Pukapuka/Nassau	79	29	29	137
Manihiki	45	19	21	85
Rakahanga	27	9	17	53
Penrhyn	27	11	11	49

**TABLE 8.4: Incidence of NCD Cases Registered
by Region & Island.
COOK ISLANDS 2005**

REGION & ISLAND	Hypertension	Diabetes	Hypertension & Diabetes	Total
COOK ISLANDS	89	38	31	158
RAROTONGA	32	12	7	51
SOUTHERN GROUP excluding Rarotonga	55	18	18	91
Aitutaki	43	3	12	58
Mangaia	4	0	0	4
Atiu	0	0	0	0
Mauke	6	13	6	25
Mitiaro	2	2	0	4
NORTHERN GROUP	2	8	6	16
Palmerston	0	0	0	0
Pukapuka/Nassau	1	5	3	9
Manihiki	0	3	2	5
Rakahanga	1	0	1	2
Penrhyn	0	0	0	0

9. MORTALITY

- 95 deaths were reported and registered in the Cook Islands in 2005 of which 64 percent were from Rarotonga
- Diseases of the circulatory system continued reporting the highest causes of deaths in the last three years with 33 percent in 2005
- Diseases of the respiratory system recorded a rate of 113 deaths per 100,000 people this year showing an increase from 52 in 2004
- 65 percent of those dying were males and 35 percent were females for 2005
- It should be noted that the numbers reported in the accompanying tables does not include tourists that died in the Cook Islands
- Coloner cases are also not included in the accompanying tables as well as those Cook Islanders dying overseas

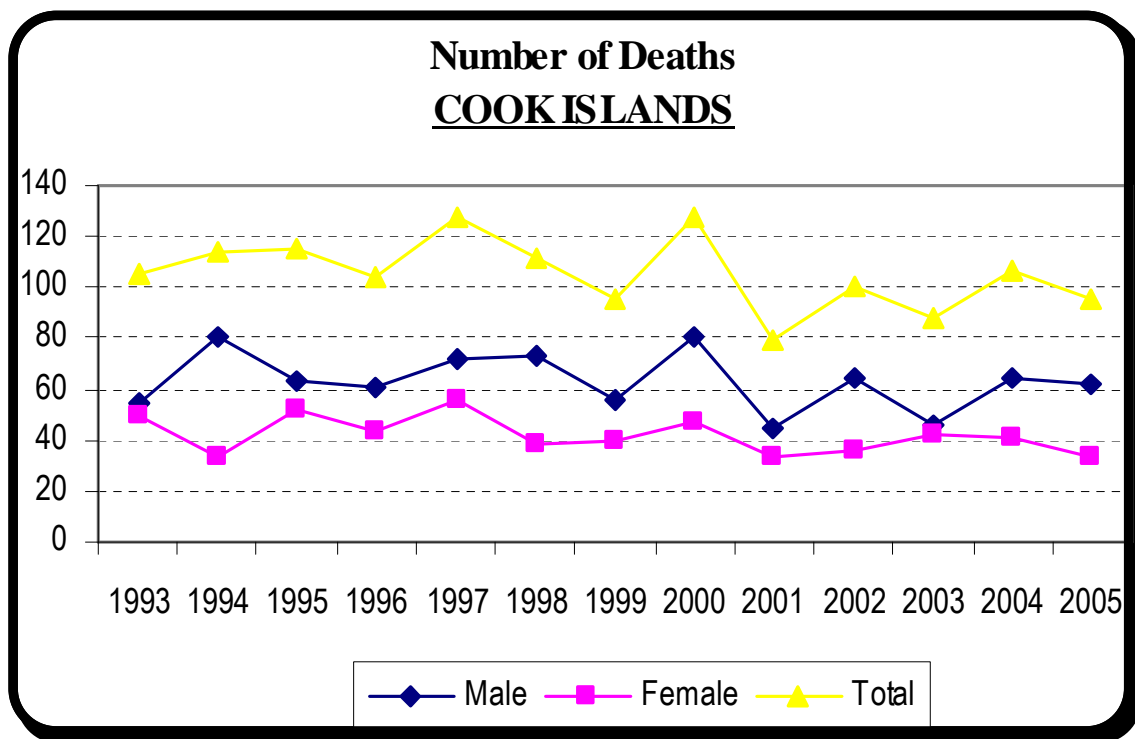


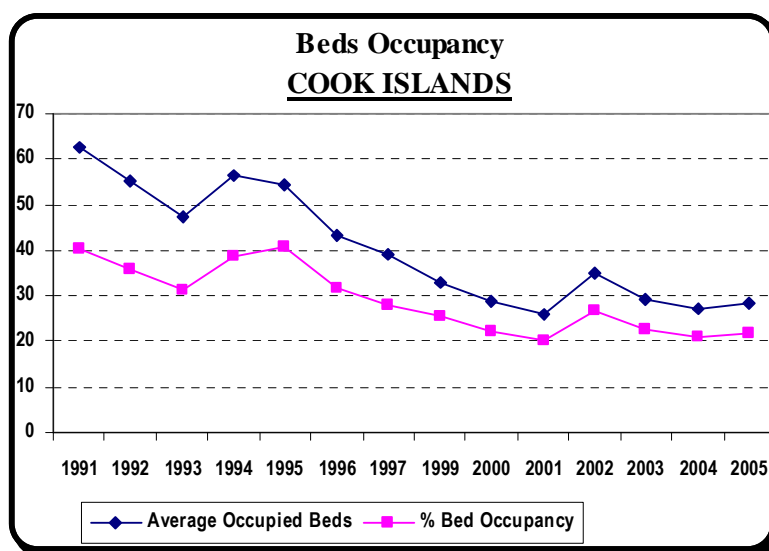
TABLE 9.1: Selected Cause of Death and Rate by Year – COOK ISLANDS

Cause of Death	2003		2004		2005	
	Number of death	Rate per 100,000	Number of death	Rate per 100,000	Number of death	Rate per 100,000
Diseases of the Circulatory System	19	136.7	29	214.8	31	250.0
Hypertension	3	21.6	14	103.7	11	88.7
Ischaemic heart disease	6	43.2	7	51.9	7	56.5
Cerebrovascular Disease	4	28.8	2	14.8	2	16.1
Heart Failure	6	43.2	3	22.2	4	32.3
Other	0	0.0	3	22.2	7	56.5
Neoplasms	15	107.9	18	133.3	7	56.5
Liver and intrahepatic bile ducts	1	7.2	7	51.9	2	16.1
Trachea, Bronchus & Lungs	4	28.8	2	14.8	0	0.0
Prostate	2	14.4	3	22.2	0	0.0
Female Breast	2	14.4	1	7.4	2	16.1
Other	6	43.2	5	37.0	3	24.2
Diseases of the Respiratory System	8	57.6	7	51.9	14	112.9
Pneumonia	5	36.0	3	22.2	11	88.7
Bronchitis, Emphysema & Asthma	0	0.0	0	0.0	0	0.0
Other	3	21.6	4	29.6	3	24.2
Endocrine, Nutritional & Metabolic Diseases & Immunity Disorders	19	136.7	15	111.1	10	80.6
Diabetes Mellitus	17	122.3	13	96.3	10	80.6
Other	2	14.4	2	14.8	0	0.0
Symptoms, Signs & Ill-Defined Conditions	10	71.9	13	96.3	6	48.4
Certain Infectious and Parasitic Diseases	3	21.6	3	22.2	3	24.2
Septicaemia	3	21.6	3	22.2	2	16.1
Other	0	0.0	0	0.0	1	8.1
Injury, poisoning and certain other consequences of external causes	4	28.8	10	74.1	9	72.6
Injuries to the head	1	7.2	7	51.9	8	64.5
Poisonings and Toxic Effects	0	0.0	0	0.0	0	0.0
Other	3	21.6	3	22.2	1	8.1
Mental and behavioural disorders due to use of alcohol	1	7.2	0	0.0	2	16.1
Diseases of the Nervous System	1	7.2	5	37.0	2	16.1
Diseases of the Digestive System	4	28.8	1	7.4	4	32.3
Ulcer of Stomach and Duodenum	0	0.0	0	0.0	1	8.1
Chronic Liver disease and Cirrhosis	0	0.0	1	7.4	1	8.1
Other	4	28.8	0	0.0	2	16.1
Certain Conditions Originating in the Perinatal Period	3	21.6	4	29.6	3	24.2
Congenital malformations, deformations & chromosomal abnormalities	1	7.2	0	0.0	0	0.0
Diseases of the Genitourinary System	0	0.0	1	7.4	4	32.3
EXTERNAL CAUSES OF INJURY AND POISONING	4	28.8	10	74.1	9	72.6
Transport accidents	3	21.6	7	51.9	6	48.4
Intentional self-harm	1	7.2	0	0.0	3	24.2
Accidental drowning and submersion	0	0.0	1	7.4	0	0.0
Other	0	0.0	2	14.8	0	0.0

Note: Rates are calculated per 100,000 resident population.

10. HOSPITAL INDICES

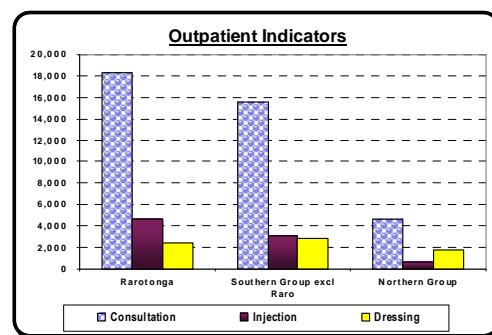
- 2,035 admissions and 1,960 discharges were reported for 2005 in the Cook Islands
- Average occupied bed in the Cook Islands in 2005 was 28 with a bed occupancy of 22 percent



**TABLE 10.1: Patients Admitted and Discharged from Hospital
by Region & Island and Bed Occupancy.
COOK ISLANDS 2005**

REGION & ISLAND	Number of				Average Occupied Bed	% Bed Occupancy
	Admissions	Discharges	Bed Days Used	Bed Days Available		
COOK ISLANDS	2,035	1,960	10,300	47,085	28.2	21.9
RAROTONGA	1,587	1,554	8,887	25,915	24.3	34.3
SOUTHERN GROUP excluding Rarotonga	377	329	1,211	17,885	3.3	6.8
Aitutaki	310	271	1,004	10,220	2.8	9.8
Mangaia	34	30	109	2,190	0.3	5.0
Atiu	10	9	12	3,285	0.0	0.4
Mauke	23	19	86	2,190	0.2	0.0
Mitiaro						
NORTHERN GROUP	71	77	202	3,285	0.6	6.1
Palmerston						
Pukapuka/Nassau	28	32	116	1,460	0.3	7.9
Manihiki	21	25	26	730	0.1	3.6
Rakahanga						
Penrhyn	22	20	60	730	0.2	8.2

11. OUTPATIENT



- Almost 69 percent of patients came for consultation purposes with an average consultation visit of three, meaning that a doctor sees the same patient three times in a year. These trends have been apparent since 2003
- 16 percent attended for injections and 12 percent attended for dressings only
- Consultations – 50 percent were for Rarotonga, 37 percent were from those in the Southern Group Islands and the remaining were reported for the Northern Group Islands
- Other outpatient indicators reported were Minor Operations and other services such as the ENT clinics, EYE specialists, etc visiting the outer islands and of course home visits conducted in the outer islands

**TABLE 11.1: Number of Outpatient Indicators.
COOK ISLANDS 2005**

REGION & ISLAND	Consultation	Injections	Dressings	Minor Operations	Home Visits	Others	Total Attendance
COOK ISLANDS	35,747	9,089	6,704	653	789	2,250	55,232
RAROTONGA	17,857	5,575	2,076	369	0	1,181	27,058
SOUTHERN GROUP excluding Rarotonga	13,375	2,874	2,832	148	437	1,004	20,670
Aitutaki	5,384	355	1,779	52	42	90	7,702
Mangaia	2,404	340	533	55	53	299	3,684
Atiu	2,819	2,014	385	25	111	0	5,354
Mauke	2,503	49	60	10	139	4	2,765
Mitiaro	265	116	75	6	92	611	1,165
NORTHERN GROUP	4,515	640	1,796	136	352	65	7,504
Palmerston	0	0	0	0	0	0	0
Pukapuka/Nassau	1,124	285	1,079	68	65	33	2,654
Manihiki	1,490	125	350	23	153	10	2,151
Rakahanga	243	68	83	9	25	22	450
Penrhyn	1,658	162	284	36	109	0	2,249

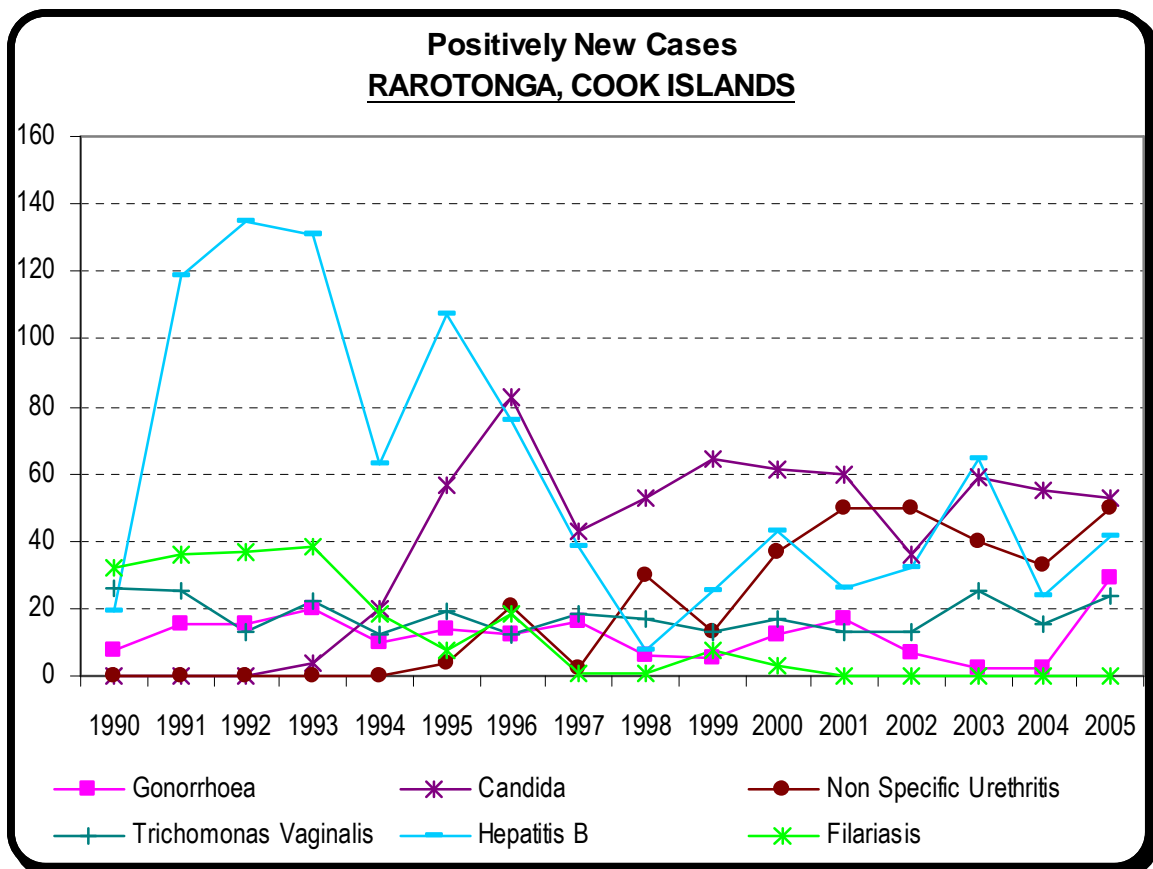
TABLE 11.2: Consultation and Percentage Distribution by Year and Region
COOK ISLANDS 1996 - 2005

Year	Consultation	Total Attendance	% Distribution	Resident Population Estimate	Average Consultation
1996	36,451	56,568	64.4	18,800	2
1997	28,503	42,660	66.8	17,400	2
1998	26,858	44,871	59.9	16,600	2
1999	29,662	45,336	65.4	15,500	2
2000	28,740	43,308	66.4	14,600	2
2001	33,408	52,516	63.6	14,000	2
2002	36,982	55,623	66.5	14,800	2
2003	45,340	67,578	67.1	13,900	3
2004	38,464	58,417	65.8	13,500	3
2005	35,747	55,232	64.7	12,400	3
RAROTONGA					
1996	17,975	27,307	65.8	10,374	2
1997	10,834	16,505	65.6	10,190	1
1998	8,147	12,706	64.1	10,010	1
1999	9,579	11,642	82.3	9,830	1
2000	9,956	13,267	75.0	9,650	1
2001	16,871	27,995	60.3	9,451	2
2002	18,608	26,064	71.4	9,270	2
2003	23,423	34,478	67.9	9,090	3
2004	18,263	26,675	68.5	8,910	2
2005	17,857	27,058	66.0	8,730	2
SOUTHERN GROUP					
1996	12,691	18,716	67.8	5,258	2
1997	14,831	20,730	71.5	4,680	3
1998	14,826	24,796	59.8	4,100	4
1999	16,294	26,724	61.0	3,520	5
2000	15,049	24,204	62.2	2,940	5
2001	12,023	17,293	69.5	3,777	3
2002	13,753	22,541	61.0	3,400	4
2003	16,605	24,879	66.7	3,000	6
2004	15,516	23,882	65.0	2,600	6
2005	13,375	20,670	64.7	2,200	6
NORTHERN GROUP					
1996	5,785	10,545	54.9	2,439	2
1997	2,838	5,425	52.3	2,300	1
1998	3,885	7,369	52.7	2,200	2
1999	3,789	6,970	54.4	2,000	2
2000	3,735	5,838	64.0	1,900	2
2001	4,514	7,228	62.5	1,789	3
2002	4,621	7,018	65.8	1,660	3
2003	5,312	8,221	64.6	1,530	3
2004	4,685	7,860	59.6	1,400	3
2005	4,515	7,504	60.2	1,270	4

- Note:**
1. Population numbers for 1991 and 1996 are from census results.
 2. Cook Islands Population Estimates are from Statistics Office (MFEM) Quarterly Statistical Bulletin (Mid year population estimated at June Quarter)
 3. Rarotonga, Southern Group and Northern Group Population Estimates are calculated from the resident population change (1996-2001)

12. LABORATORY SERVICES

- 10,193 patients were registered by the laboratory services in the Rarotonga hospital in 2005. 85,834 examinations and tests were performed with an average of 8 tests; that is, on the average eight types of tests were performed for a single patient
- 671 tests on Hepatitis B were performed and 6 percent were proven positive. An increase of 2 percent from 2004
- VDRL, HIV, and STD tests were also performed at the laboratory



**TABLE 12.1: Patients Registered and Examinations
& Tests Performed by Year.
RAROTONGA, COOK ISLANDS 1991 - 2005**

YEAR	Patients Registered	Examinations & Tests Performed	Average Number of Tests
1991	7,387	37,510	5
1992	7,325	30,215	4
1993	7,202	29,541	4
1994	7,033	31,819	5
1995	8,340	32,417	4
1996	5,524	21,805	4
1997	7,244	24,143	3
1998	5,627	27,476	5
1999	5,905	43,570	7
2000	5,323	33,869	6
2001	6,126	43,121	7
2002	16,567	77,894	5
2003	10,273	74,330	7
2004	9,973	80,136	8
2005	10,193	85,834	8

**TABLE 12.2: Positively New Cases by Disease and Year.
RAROTONGA, COOK ISLANDS 2000 - 2005**

	YEAR					
	2000	2001	2002	2003	2004	2005
STD						
Gonorrhoea	12	17	7	2	2	29
HIV	0	0	0	2	0	0
Syphilis	6	11	9	13	4	1
Candida	61	60	36	59	55	53
Non Specific Urethritis	37	50	50	40	33	50
Trichomonas Vaginalis	17	13	13	25	15	24
OTHERS						
Hepatitis B	43	26	32	64	24	41
Tuberculosis	0	4	1	0	1	1
Leprosy	0	0	0	0	0	0
Bacterial Shigellosis	0	0	0	0	0	0
Typhoid/Parathyphoid	0	0	0	1	2	0
Filariasis	3	0	0	0	0	0
Malaria	0	1	0	1	0	0
Dengue Fever	0	17	1,348	1	4	0
Meningitis	0	0	4	0	0	0

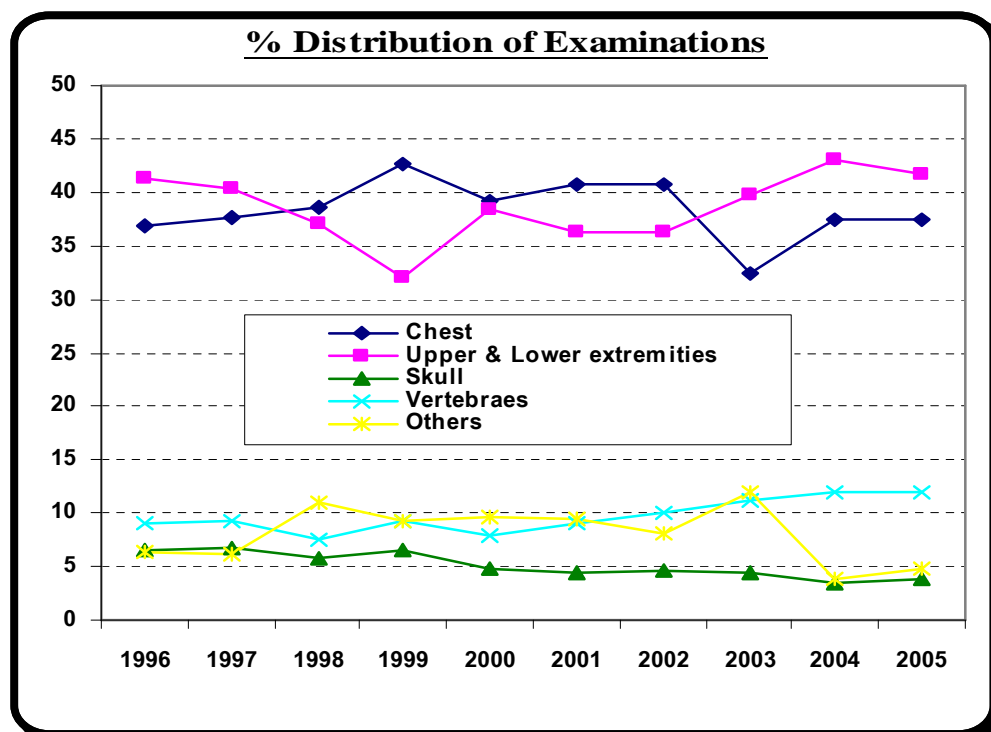
13. X-RAY SERVICES



- Examinations performed in 2005 were 4,669 and the total patient registered is 3,179 with an average of a single examination per patient
- Total patients registered is slowly declining from 3,916 in 2003 to 3,268 to 3,179 this year
- The total number of films exposed continued to increase from 2,491 in 1999 to 5,960 in 2003 and declined in 2005 to 4,669

**TABLE 13.1: Examinations and Films exposed by type
RAROTONGA, COOK ISLANDS 1996 - 2005**

Year	Patients Registered	In-patient	Out-patient/Private	Films Exposed
1996	...	460	1,428	2,450
1997	...	688	1,245	2,357
1998	...	732	1,454	2,842
1999	1,605	653	1,251	2,491
2000	2,480	624	1,933	3,316
2001	2,833	947	2,046	4,045
2002	3,332	994	2,269	4,337
2003	3,916	948	3,145	5,960
2004	3,268	1,533	1,905	4,438
2005	3,179	1,577	1,862	4,669



14. SURGICAL OPERATION



- In 2005, 673 patients were registered to have some formal operative surgery
- 55 percent were classed as minor operations and 45 percent were for major operations
- On average the total number of patients registered and operated in a month this year was 56, three less than those registered in 2004
- General, Local and Spinal were the three main type of anesthetic performed on patients in the theatre

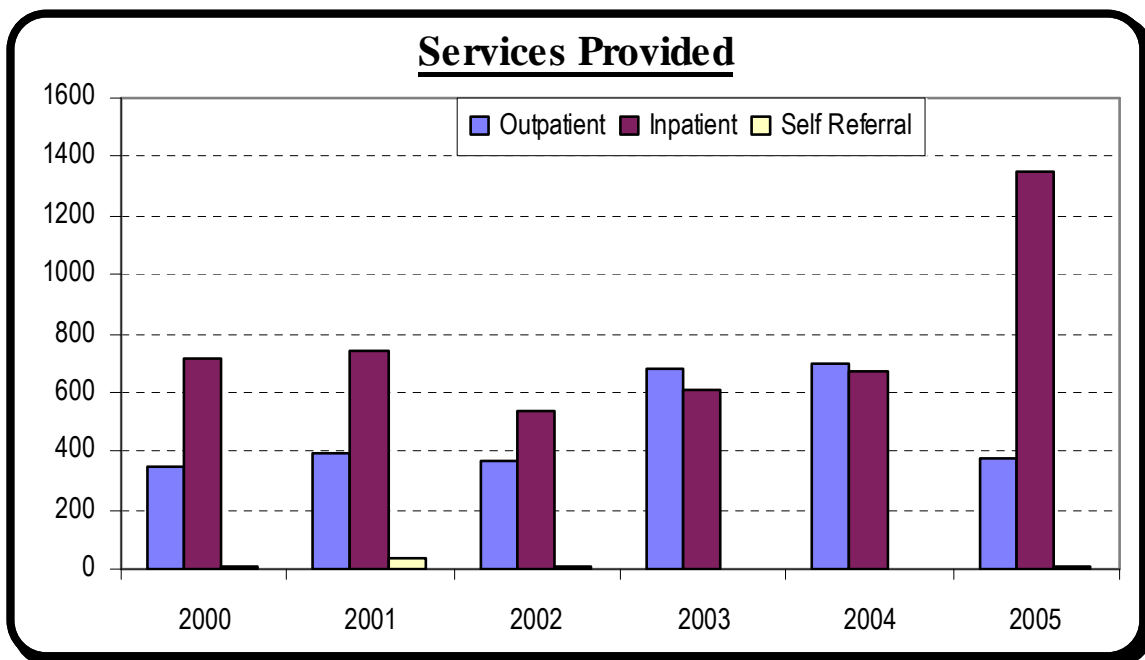
**TABLE 14.1: Patients for Operation by Year, Operation Type and Type of Anaesthetic.
RAROTONGA, COOK ISLANDS 1991 - 2005**

Year	Patients Registered	Operations Type		Type of Anaesthetic					
				General	Local				
		Major	Minor	Anaesthetic	Anaesthetic	Spinal	Ketamine	Others	None
1991	592	127	465	242	123	63	86	20	58
1992	708	204	504	206	196	84	44	72	106
1993	669	227	442	197	158	128	79	41	66
1994	630	249	381	188	120	171	118	10	23
1995	805	323	482	158	129	158	141	68	151
1996	640	273	367	177	115	179	93	41	35
1997	579	288	291	131	110	147	51	75	65
1998	594	231	363	122	161	135	127	114	14
1999	564	275	289	186	168	100	46	73	26
2000	592	164	428	190	127	152	70	33	12
2001	572	249	323	161	135	132	60	80	5
2002	609	270	339	163	161	150	22	103	10
2003	655	214	441	208	188	151	75	31	0
2004	703	323	380	168	296	148	55	34	0
2005	673	304	369	152	138	174	120	79	10

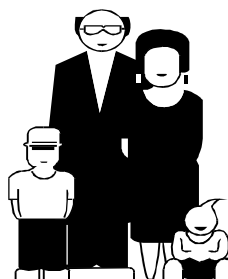
15. PHYSIOTHERAPY



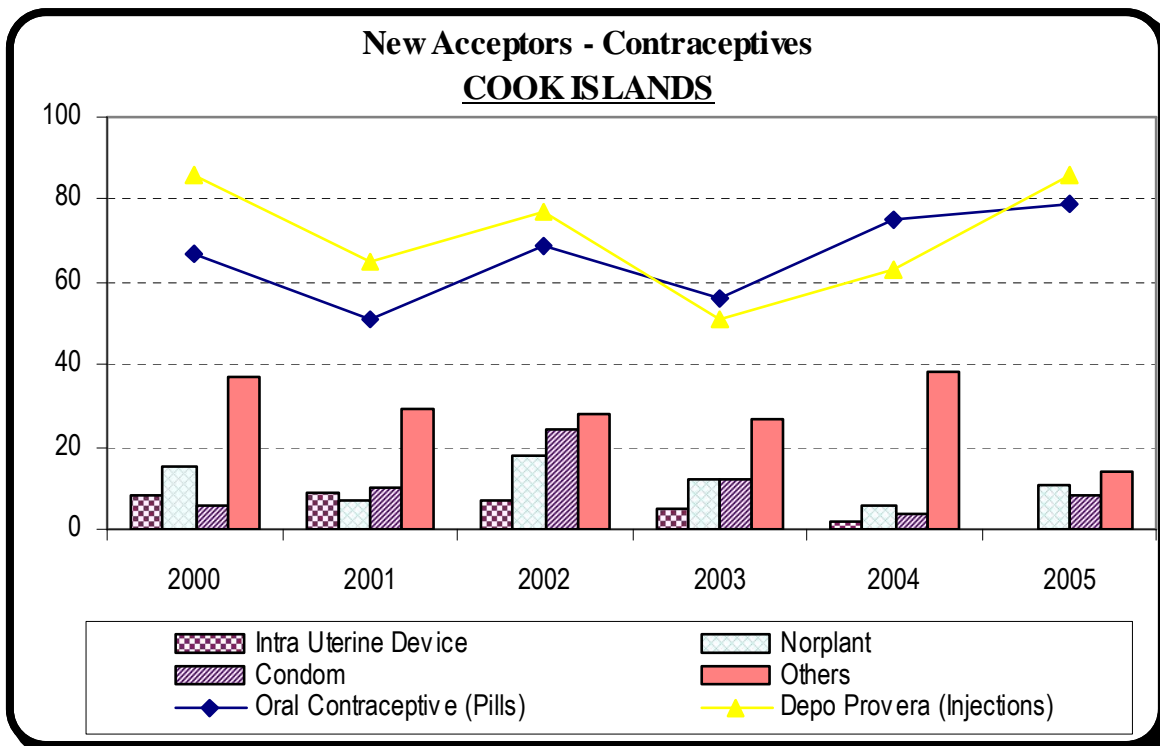
- The type of services provided by the physiotherapist includes those patients attending outpatients and referred by doctors, those admitted in the wards, home visits and for some self-referral cases
- The services provided (cases) by the physiotherapist in 2005 were 1,735. 22 percent were referrals direct from the outpatient, 78 percent were services provided to inpatients (those patients admitted in the wards)
- On average patients admitted and utilizing this service were seen by the physiotherapist at least four times as reported for 2005



16. FAMILY PLANNING



- The total number of women in Child Bearing Ages (15 to 44) in the Cook Islands reported in the 2001 population census was 3,185
- Current users – 40 percent of Child bearing ages reported to were practicing any type of family planning contraceptives in 2005 with 45 percent using oral contraceptive and 50 percent using injections (depo provera)
- New Acceptors – 198 reported were practicing any type of family planning contraceptives in 2005 with 40 percent using oral contraceptive and 43 percent were using injections (depo provera)
- Current Users – 83 percent of those practicing family planning were residing on Rarotonga
- New Acceptors – 49 percent of those accepting family planning practices were on Rarotonga



**TABLE 16.1: CURRENT USERS - Women on Family Planning Contraceptives by Year.
COOK ISLANDS 1996 - 2005**

Contraceptive Type	YEAR									
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
All Methods	1,372	2,211	1,547	1,359	1,291	1,331	1,389	1,301	1,345	1,270
Oral Contraceptive (Pills)	641	1,098	782	578	550	614	591	614	682	573
Intra Uterine Device	52	43	20	21	28	16	20	11	8	3
Depo Provera (Injections)	518	879	574	598	509	599	621	616	608	640
Norplant	91	47	41	45	30	22	34	13	12	12
Condom					45	43	34	20	14	21
Others	70	144	130	117	129	37	89	27	21	21

**TABLE 16.2: NEW ACCEPTORS - Women on Family Planning Contraceptives by Year.
COOK ISLANDS 1996 - 2005**

Contraceptive Type	YEAR									
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
All Methods	316	324	415	223	219	171	223	163	188	198
Oral Contraceptive (Pills)	192	139	190	69	67	51	69	56	75	79
Intra Uterine Device	12	10	9	7	8	9	7	5	2	0
Depo Provera (Injections)	101	118	150	84	86	65	77	51	63	86
Norplant	6	18	25	11	15	7	18	12	6	11
Condom					6	10	24	12	4	8
Others	5	39	41	52	37	29	28	27	38	14

**TABLE 16.3: CURRENT USERS - Women on Family Planning Contraceptives by Year.
RAROTONGA 1996 - 2005**

Contraceptive Type	YEAR									
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
All Methods	927	1632	1145	928	910	1,085	1,005	1,071	1,087	1,050
Oral Contraceptive (Pills)	483	900	674	448	471	552	478	514	579	504
Intra Uterine Device	24	17	8	12	4	16	11	5	2	1
Depo Provera (Injections)	369	645	411	412	380	464	442	492	465	500
Norplant	23	27	19	16	15	12	15	13	6	11
Condom				7	10	12	29	20	14	13
Others	28	43	33	33	30	29	30	27	21	21

**TABLE 16.4: NEW ACCEPTORS - Women on Family Planning Contraceptives by Year.
RAROTONGA 1996 - 2005**

Contraceptive Type	YEAR									
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
All Methods	245	215	224	132	117	116	163	119	102	98
Oral Contraceptive (Pills)	118	94	126	40	35	39	52	42	35	38
Intra Uterine Device	5	10	4	5	3	7	7	4	2	0
Depo Provera (Injections)	115	62	53	39	31	30	45	24	19	35
Norplant	7	12	13	11	13	7	13	12	6	11
Condom				4	5	4	18	10	3	0
Others		37	28	33	30	29	28	27	37	14

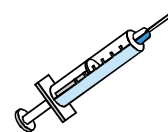
**TABLE 16.5: CURRENT USERS - Women on Family Planning Contraceptives
COOK ISLANDS 2005**

REGION & ISLAND	Type of Contraceptive						
	All Methods	Oral	Intra Uterine Device	Depo Provera	Norplant	Condoms	Others
COOK ISLANDS	1,270	573	3	640	12	21	21
RAROTONGA	1,050	504	1	500	11	13	21
SOUTHERN GROUP excluding Rarotonga	176	60	1	107	0	8	0
Aitutaki	160	52	1	99	0	8	0
Mangaia	3	2	0	1	0	0	0
Atiu	3	2	0	1	0	0	0
Mauke	2	0	0	2	0	0	0
Mitiaro	8	4	0	4	0	0	0
NORTHERN GROUP	44	9	1	33	1	0	0
Palmerston	0						
Pukapuka/Nassau	11	2	0	9	0	0	0
Manihiki	14	4	0	10	0	0	0
Rakahanga	3	0	0	3	0	0	0
Penrhyn	16	3	1	11	1	0	0

**TABLE 16.6: NEW ACCEPTORS - Women on Family Planning Contraceptives
COOK ISLANDS 2005**

REGION & ISLAND	Type of Contraceptive						
	All Methods	Oral	Intra Uterine Device	Depo Provera	Norplant	Condoms	Others
COOK ISLANDS	198	79	0	86	11	8	14
RAROTONGA	98	38	0	35	11	0	14
SOUTHERN GROUP excluding Rarotonga	60	25	0	27	0	8	0
Aitutaki	51	21	0	22	0	8	0
Mangaia	6	3	0	3	0	0	0
Atiu	1	0	0	1	0	0	0
Mauke	1	1	0	0	0	0	0
Mitiaro	1	0	0	1	0	0	0
NORTHERN GROUP	40	16	0	24	0	0	0
Palmerston	0						
Pukapuka/Nassau	7	1	0	6	0	0	0
Manihiki	28	13	0	15	0	0	0
Rakahanga	2	0	0	2	0	0	0
Penrhyn	3	2	0	1	0	0	0

17. IMMUNIZATION



- The table below shows the percentage of children immunized in the first year of life (by 12 months of age) by type in the Cook Islands. This programme has been performed at the highest level, that is, a complete coverage in the last two years (100%)
- The main island Rarotonga had 100 percent coverage on children immunized before getting to the first birth
- It should be noticed that the percentages calculated in the table below were based on the births for each year

TABLE 17.1: Percentage Distribution of Children (< 1) Immunized in the First Year of Life and Pregnant Women against Tetanus by Year. COOK ISLANDS 1991 - 2005

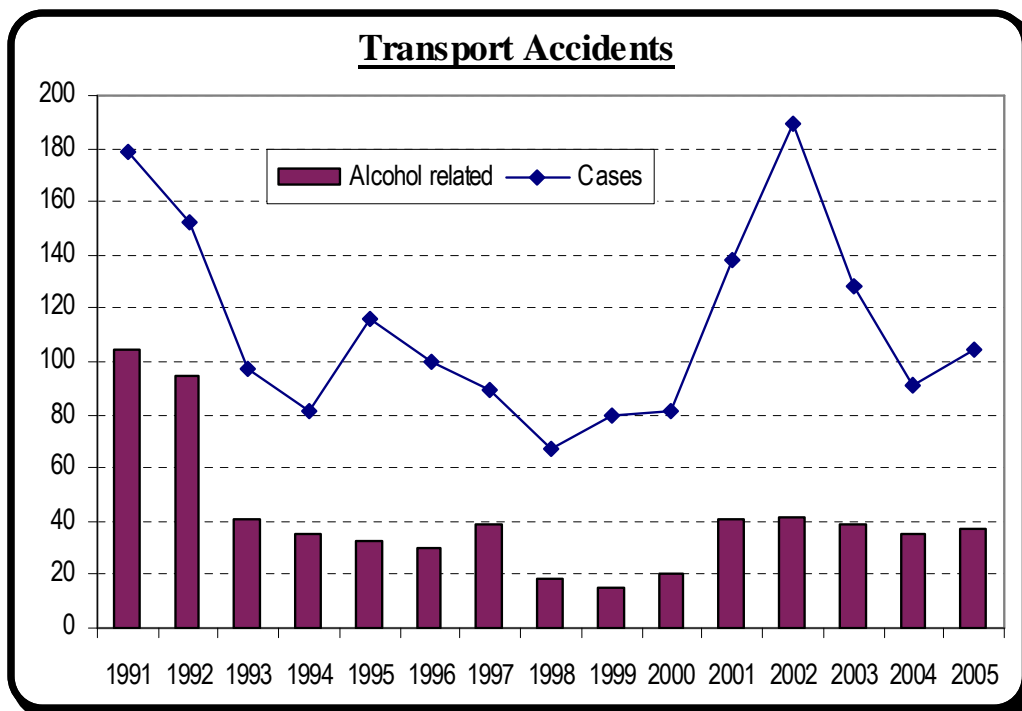
Year	% of children immunized by 12 months of age					% of pregnant women immunized
	BCG	DPT 3	Polio 3	Measles	HBV 3	Tetanus 2*
1991	96	87	87	94	71	59
1992	92	84	84	85	96	87
1993	92	97	97	80	96	79
1994	99	85	85	72	76	66
1995	92	89	89	92	82	71
1996	90	75	75	72	65	64
1997	85	93	93	88	99	93
1998	98	93	93	97	88	98
1999	97	92	92	84	90	94
2000	100	92	92	76	98	96
2001	98	90	90	83	93	94
2002	98	97	97	95	93	94
2003	100	96	96	100	94	92
2004	100	100	100	100	100	100
2005	100	100	100	100	100	100

Note: * Booster included.

18. MOTOR VEHICLE ACCIDENTS



- 104 patients reported to have been admitted in the Rarotonga hospital due to motor vehicle accidents in 2005
- 36 percent of these accidents were alcohol related
- A total of three deaths were reported from motor vehicle accidents in 2005. Only one was reported of alcohol related and two as non alcohol related motor vehicle accidents
- 51 percent (19 cases) of alcohol related accidents in 2005 were between the ages of 15 to 24
- 91 percent of these transport accidents were motorcycle riders
- 31 percent of these transport accidents suffered head injuries

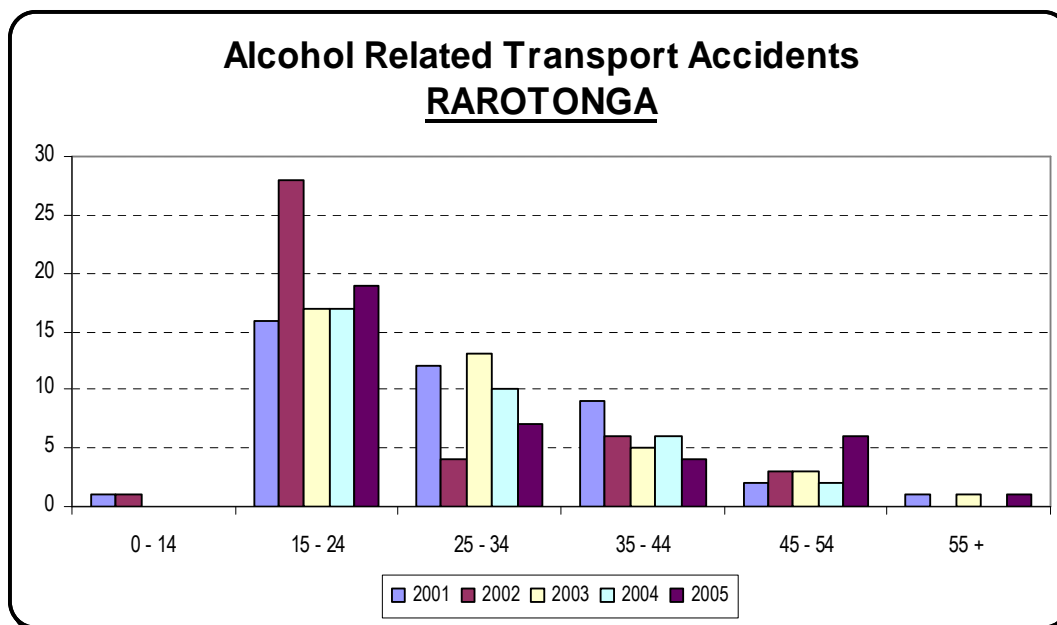


**TABLE 18.1: Patients Admitted due to Transport Accidents.
RAROTONGA 1995 - 2005**

Type of Accident	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Transport Accidents	116	100	89	67	80	81	138	189	128	91	104
Alcohol Related Accidents	33	30	39	19	15	20	41	42	39	35	37
Percentage Alcohol Related	28.4	30.0	43.8	28.4	18.8	24.7	29.7	22.2	30.5	38.5	35.6
Alcohol Related Deaths	4	1	2	1	1	1	2	2	1	3	1
Non Alcohol Related Deaths	0	1	0	0	1	0	0	0	2	2	2

**TABLE 18.2: Cases of Alcohol Related Transport Accidents by
Age Groupings and Year.
RAROTONGA 1995 - 2005**

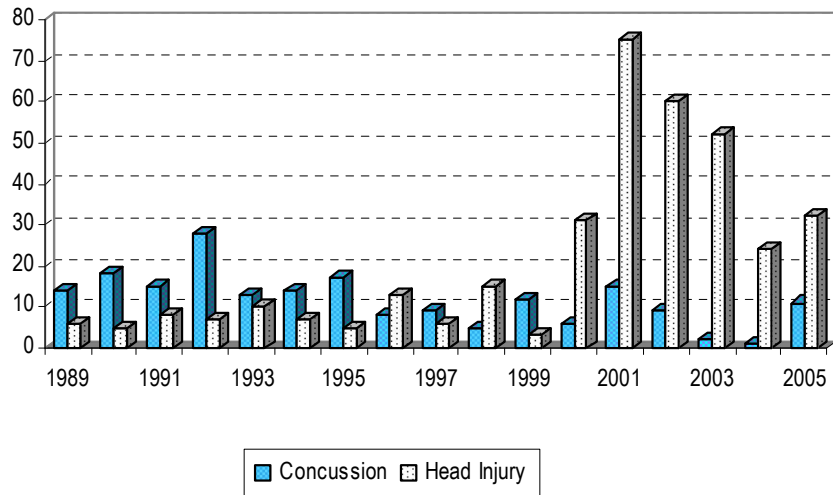
Age Group	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
0 - 14	1	0	0	0	0	0	1	1	0	0	0
15 - 24	17	16	21	9	4	12	16	28	17	17	19
25 - 34	12	5	11	7	6	6	12	4	13	10	7
35 - 44	3	7	5	1	1	2	9	6	5	6	4
45 - 54	0	2	1	1	4	0	2	3	3	2	6
55 +	0	0	1	1	0	0	1	0	1	0	1
Total	33	30	39	19	15	20	41	42	39	35	37



**TABLE 18.3: Transport Accidents by Sub Category.
RAROTONGA 2000 - 2005**

ICD10	Sub Category	2000	2001	2002	2003	2004	2005
V01-V09	Pedestrian injured in transport accident	3	4	6	1	0	2
V10-V19	Pedal cyclist injured in transport accident	1	0	0	0	1	1
V20-V29	Motorcycle rider injured in transport accident	66	123	148	104	77	95
V30-V39	Occupant of three-wheeled motor vehicle injured in transport accident						
V40-V49	Car occupant injured in transport accident	6	2	4	1	0	0
V50-V59	Occupant of pick-up truck or van injured in transport accident	1	1	4	0	3	0
V60-V69	Occupant of heavy transport vehicle injured in transport accident	0	2	0	0	0	0
V70-V79	Bus occupant injured in transport accident						
V80-V89	Other land transport accidents	3	5	25	22	7	5
V90-V94	Water transport accidents	1	1	1	0	3	1
V95-V97	Air and space transport accidents						
V98-V99	Other and unspecified transport accidents			1	0	0	0

Nature of Transport Accidents
RAROTONGA



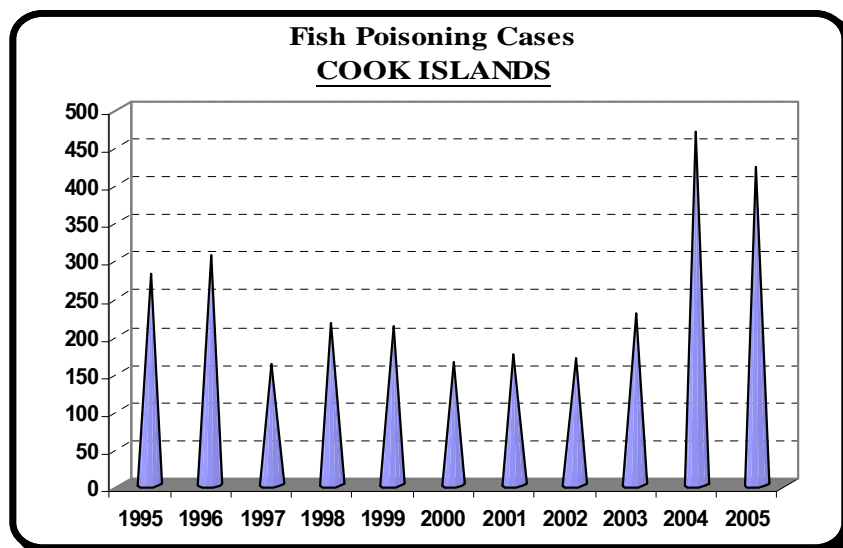
19. FISH POISONING (Ciguatera)



- 421 cases of fish poisoning were reported and seen in the Cook Islands in 2005. 76 percent are reported for the Island of Rarotonga
- 321 cases were reported for Rarotonga alone, and 20 percent (63 cases) were hospitalized
- Of the Outer Islands Aitutaki reported to have seen 71 cases, Mauke – 9, Mitiaro – 8, Atiu – 7, Mangaia – 3 with one case each reported for Pukapuka and Manihiki in 2005

**TABLE 21.1: Fish Poisoning cases
by year and Sex.
COOK ISLANDS 1995 - 2005**

Year	Cases Seen	Patients Admitted in Rarotonga Hospital		
		Male	Female	Total
1995	281	14	15	29
1996	304	25	14	39
1997	161	27	20	47
1998	215	23	34	57
1999	209	35	18	53
2000	162	18	6	24
2001	173	21	19	40
2002	169	24	16	40
2003	227	23	17	40
2004	469	33	15	48
2005	421	39	24	63
Total	2,791	282	198	480



20. MEASLES

Measles is a contagious viral infection. It has many **complications** that may occur, especially in children (i.e., Conjunctivitis, Pneumonia, Otitis Media, Tuberculosis). The Incubation period is 10 - 12 days. Epidemics can occur and measles is **very serious in malnourished children**. Infectious 2 - 4 days before rash until the rash disappears

- The number of people infected with measles in the Cook Islands has been below twenty (20) in the last seven years following an epidemic in 1997
- It should be noted that the following cases were clinically diagnosed. No laboratory testing has been done in the last 6 years

**TABLE 20.1: Clinically diagnosed cases of Measles by Year and Month.
COOK ISLANDS 1989 - 2005**

Year	MONTH												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1989	40	51	50	26	20	47	56	221	87	66	15	1	680
1990	2	1	11	4	5	0	4	5	2	0	0	2	36
1991	0	1	0	2	5	1	16	11	3	3	8	5	55
1992	0	5	0	0	0	0	1	1	2	0	0	0	9
1993	0	0	1	0	0	0	1	0	1	0	0	0	3
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	2	0	0	0	0	2
1996	0	0	1	2	3	1	0	1	0	1	0	0	9
1997	0	0	0	55	39	44	37	7	1	4	3	4	194
1998	5	2	0	1	1	0	0	0	0	0	0	0	9
1999	0	0	0	0	1	0	0	0	0	0	1	0	2
2000	0	0	0	0	0	0	0	0	0	1	0	0	1
2001	0	0	0	0	0	0	0	1	0	0	1	1	3
2002	0	0	0	0	1	0	0	0	0	0	0	0	1
2003	0	0	0	0	0	1	0	0	0	0	6	10	17
2004	9	1	0	0	0	0	1	0	0	3	4	1	19
2005	0	0	0	0	2	1	0	0	0	0	0	2	5

**ANNEX A: Health Indicator
COOK ISLANDS 1999 - 2005**

<i>Indicator</i>	YEAR						
	1999	2000	2001	2002	2003	2004	2005
Area (in 1 000 sq km)	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Total Population (Census/Estimates)	16,400	17,900	18,027	18,400	18,400	20,300	20,200
Resident Population (Census/Estimates)	15,500	14,600	14,990	14,800	13,900	13,500	12,400
Annual population growth rate (%)			-1.1				
Percentage of population							
- less than 15 years			30.1				
- 60+ years			10.6				
Urban population (Rarotonga)	11,250	11,300	12,206	11,400	11,450	11,500	11,550
Crude birth rate (per 1 000 population)	23.3	21.2	21.9	19.8	21.2	23.2	24.0
Crude death rate (per 1 000 population)	6.2	8.7	5.6	6.8	6.3	7.9	7.7
Rate of natural increase of population (% per annum)	1.7	1.3	1.6	1.3	1.5	1.5	1.6
Life expectancy at birth (years)							
- Total	67	65	71	70	71	68	69
- Male	64	61	69	66	69	63	65
- Female	70	68	73	74	73	73	73
Infant mortality rate (per 1 000 live births)	16.6	19.4	9.8	3.4	16.9	15.8	10.1
Maternal mortality rate (per 1 000 live births)	0	0	0	0	0	0	0
Child Mortality rate under 5 years old (1,000 population)	0.49	0.45	0.33	0.16	0.27	0.34	0.20
% of newborn infants weighing at least 2500gm at birth	97.8	97.0	97.4	99.1	97.6	94.3	97.7
(Rarotonga only)							
Deliveries (Rarotonga only)							
- Hospital	258	217	235	234	237	268	267
- Home	3	7	1	0	4	3	1
- Twin sets	5	3	2	2	1	4	1
Percent of population with safe water (estimate)							
- Urban	100	100	100	100	100	100	100
- Rural	100	100	100	100	100	100	100
% of population with access to local health services	100	100	100	100	100	100	100
% of population with adequate excreta disposal facilities							
- Urban	100	100	100	100	100	100	100
- Rural	100	100	100	100	100	100	100
Adult literacy rate							
- Both	100	100	100	100	100	100	100
- Urban	100	100	100	100	100	100	100
- Rural	99	99	99	99	99	99	99

Note: 1. Life Expectancy - estimates using complete life table method - health stats
2. Population source is the Statistics Office (MFEM).