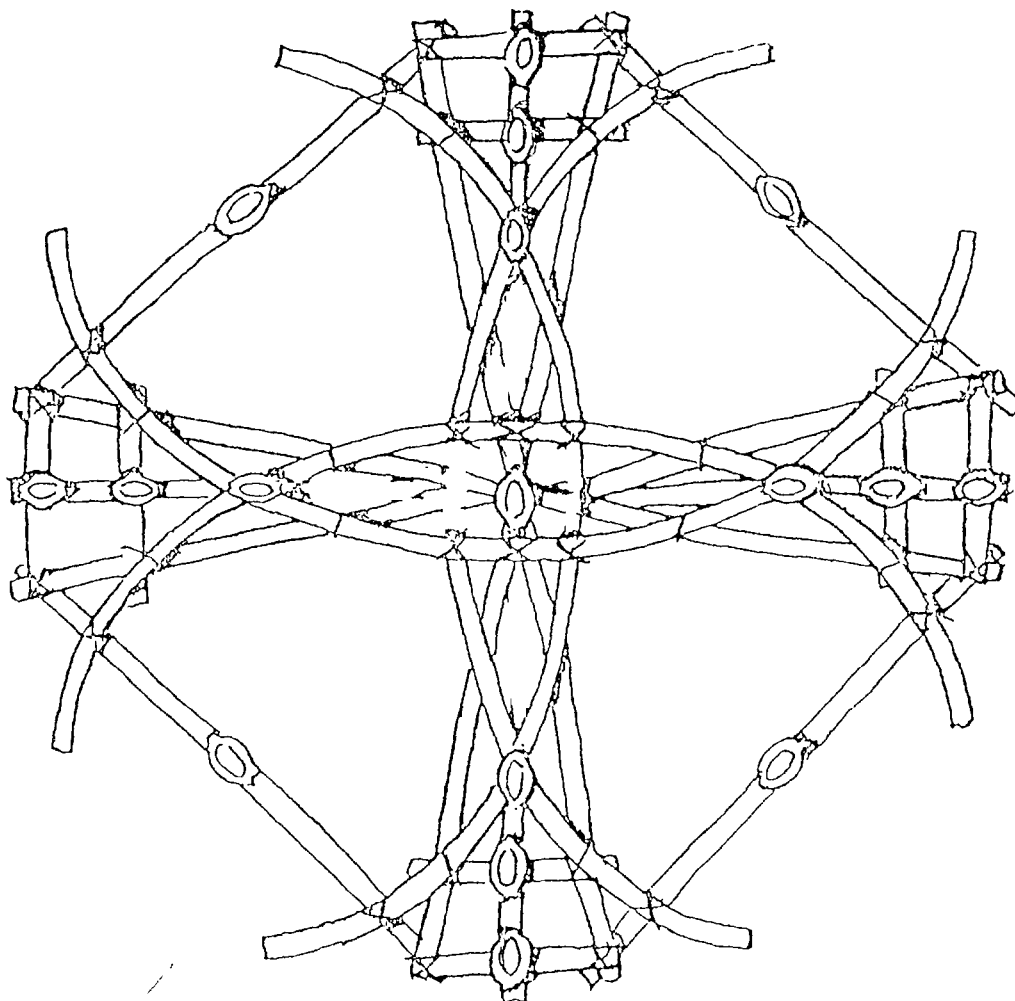


MARSHALL

401192

ISLANDS

5-YR HEALTH PLAN



FINAL DRAFT

PREPARED BY:
TRUST TERRITORY DEPT. OF HEALTH SERVICES
OFFICE OF HEALTH PLANNING AND RESOURCES DEVELOPMENT

BEST COPY AVAILABLE

5009161

ABSTRACT OF THE FIVE-YEAR COMPREHENSIVE HEALTH PLAN

I. AUTHORITY AND PURPOSE:

Everywhere in the world there is a trend of increasing cost for all services. This is true for health care services, too. In the United States, the Congress passed Public Law 93-641 in 1975 in an effort to deal with the problem of rising medical costs and equal availability and accessibility of quality of medical care to all segments of the population. This Law requires all States of the Union to develop comprehensive health plans which must be approved by appointed authorities in the States in order for each State to be eligible to receive funds from the Department of Health, Education and Welfare. Under this Law, a State Health Coordinating Council has the legal mandate to revise and approve the State Health Plans. The Law also designated the Trust Territory of the Pacific Islands as a "State" under the same requirements. The responsibility of the development of the Territorial Health Plan was entrusted by the High Commissioner to the Department of Health Services, which in turn designated the Office of Health Planning within the Department to be responsible for the development of the Health Plan. In the effort to make the Territorial Plan more responsive to the needs of the different Districts, the Office of Health Planning decided to first develop a Health Plan for each District and then to use each District Plan as a basis for the development of the Territorial Plan. Under this Law, the Micronesia Health Coordinating Council, with members from each District, was formed to be the legal authority responsible for the revision and approval of the Plan. Marshallese members of the Council

5009162

are: Dr. Ezra Riklon, Mr. Jiba Kabua, and Mr. Caleb Rantak.

II. METHODS AND APPROACH:

Development of the Marshalls District Health Plan was started in August, 1977. A team of planners from Saipan came to Majuro and Ebeye to gather information and material that would be used in the development of the Plan. The District Director of Health Services and his staff provided all needed help in this process by providing needed material, equipment, and manpower for the various tasks. Members of the Marshall District Health Coordinating Council also actively participated in the formulation of questionnaires used in a Consumer Survey as well as participating in conducting the Survey itself.

Input data and information came from three main sources:

1. The Health Service System Itself: The planners gathered data and information from the hospital and dispensaries that would help them describe and assess the present situation of the health system's facilities, services, and manpower. Assessment of the system included assessment of the Administration, Medical Care Delivery, Nursing Care Delivery, Dispensary Operations, operation of all support services at the hospital, and all other health services programs now existing within the health services system.

2. Other Departments with Health-Related Programs and Interests:

Input for this segment of the Health Plan came from the Departments of Education, Public Safety, Public Affairs, and Vocational Rehabilitation,

as well as the Office of District Planning and the Budget office within the District Administration. Selected Community Leaders also gave input in this Section. The health planners interviewed respective Department heads to get their ideas about the existing situations in health services and also their ideas about how the system might be improved in order to improve the health status of the population of the Marshalls.

3. Community: A survey of consumer attitudes of the delivery of health care in the Marshalls was administered during the first field visit. The total number of respondents was 33. All respondents were women and had no vocational relationships with the Marshalls Department of Health Services.

A questionnaire was developed by the field team and translated into the Marshallese language. The questionnaire was composed of eight questions and identification of the respondent was not required. The respondents resided in four villages on Majuro and Ebeye.

The Saipan team of health planners were in the Marshalls for this data gathering phase for a total of three weeks. All of the information and data gathered during this phase were analyzed in Saipan and formed the basis of the Marshalls Health Plan which was written November, 1977.

III. THE PLAN:

Analysis of health information gathered in the assessment of the health system in the Marshalls District revealed the following prevalent conditions:

5009164

1. Health Status:

a) The Marshalls has an extremely high birth rate in comparison to the Trust Territory. The population will increase 50% every four years.

b) It would appear the major causes of morbidity (illness) in the Marshall District are skin, respiratory and gastrointestinal related conditions. This holds true for Majuro, Ebeye, and the Outer Islands alike.

c) It would appear the major chronic illness in the Marshall District are asthma, diabetes, and hypertension.

d) Causes of death closely parallel those of the United States with the long term, non-communicable diseases of the heart and cerebrovascular systems and cancer being responsible for 40% of the deaths from 1974 to 1976. At the same time however, prematurity and conditions associated with delivery are significant causes of death.

e) Neonatal deaths would appear to be a far more significant problem in the urban centers of the District than in the Outer Islands while infant and child death rates are approximately equal across all geographic areas.

f) Prematurity (the second leading cause of death 1974-1976) is much higher in Ebeye than in either Majuro or the Outer Islands although the rate in Majuro (at 53.9 incidence per 1,000 live births) is far greater than in the Outer Islands (at 10.2 incidence per 1,000 live births).

Rates of pregnancy/delivery complications in the Outer Islands (except for hyperemesis and prolonged labor) are far lower than in the other two locations.

g) Immunization levels are low throughout Marshall District. Therefore there is a large population at risk in case of communicable disease outbreaks.

2. Health Services: In general, providers and the general public consider the providers of medical care to be well trained and capable of delivering quality health care. The exception to this is that practically all dispensary users were dissatisfied with the present level of skills of the Health Assistants.

Most consumers of health care expressed dissatisfaction with the use of Medex in the delivery of health care at the hospital.

The majority of problems expressed by the consumers of health care regarding the health system have to do with the administration:

- Lack of availability of physicians at the hospital during weekends, nights, etc.
- Lack of controls to assure delivery of quality medical care, such as the performing of physical examinations before prescribing medications.

Other problems of health care have to do with public expectations of the level of professionalism and diligence from the health providers. The consumers often complained about the unfriendliness and lack of courtesy of certain nurses; physicians taking time for coffee breaks while

patients wait, etc.

Consumers of health care also complained about the inadequacy of activities or controls directed in assuring the cleanliness of the environment (increased number of junked cars, rodents, litter in the environment, as well as the infrequency of sanitation team visits, etc.).

3. Consumers of Health: Certain problems were also identified with the consumers of health care:

- Foremost is a lack of understanding on health related issues.
- There is also a certain level of expectations of services that are not aligned with economic realities, such as expectation of services at no cost or minimal cost, expectation of physician care at all times, etc.).

IV. GOALS AND OBJECTIVES:

Certain goals and objectives have been developed based on the problems identified with respect to the health status of the population and the administration of the health services system as well as the level of consumers' understanding and participation in the improvement of the health status of the total population of the Marshalls.

The summary of these goals and objectives follows:

Goal #1: To increase support of and to concert efforts on the activities and services that are directed towards the prevention of diseases. This goal summarizes the goals and objectives for Public Health, Environmental

Health, Health Education, Nutrition Services, and Mental Health Divisions of the Department of Health Services, as well as the goals and objectives for the Departments of Public Affairs, Public Works, Public Safety, and Education.

Goal #2: To improve the administration and supervision of health services to the extent that more effective and efficient medical care services could be delivered by the health system. This goal summarizes the goals and objectives set for Health Services Administration (including the Medical Staff), Nursing and Dental Health Divisions, as well as the Division of Public Health as it relates to the dispensary operations.

Goal #3: To raise the level of awareness and understanding of the public regarding health-related issues, to the extent that more individuals would involve themselves actively in improvement efforts of their own for their health and the health status of the community. Part of this goal is also directed towards raising the public awareness and understanding of the responsibility that the public has in affecting health policies. This would be done through proper channels such as the Municipal and District Government offices, the District Legislature and the Marshall Health Coordinating Council. This goal summarizes the goals and objectives set up for the Departments of Education and Public Affairs and the Divisions of Health Education, Nutrition, Mental Health, and Administration within the Health Services Department--as well as the goals and objectives for the Community leaders.

V. PHILOSOPHY IN DEVELOPMENT OF GOALS AND OBJECTIVES AND PRIORITY SETTING:

In the development of goals and objectives and in the setting of priorities for the Marshall District Five-Year Comprehensive Health Plan, the underlying two-fold philosophy adhered to was:

- To change the emphasis of health services from the curative to the preventive and to emphasize the goals and objectives which require minimal additional resources, including the use of expatriate consultants.

The purpose of this philosophy is to involve the general population to a much greater extent than before in the responsibility for their own health and to utilize local resources to the fullest extent. It is hoped that the use of available local resources would stimulate national pride and self respect. It is also an effort to minimize the drainage of monetary resources spent on outside consultants, many of whom--judging from past performance--have been largely ineffective.

VOLUME II

MARSHALL FIVE YEAR HEALTH PLAN

DATA AND APPENDICES

8 5009170

MARSHALL ISLANDS DISTRICT COMPREHENSIVE FIVE-YEAR HEALTH PLAN

VOLUME II

TABLES AND APPENDICES

TABLES:

- I. STATE ADMINISTRATIVE PROGRAM (self-contained)
- II. GEOGRAPHIC AND DEMOGRAPHIC DESCRIPTIONS (self-contained)
- III. HEALTH STATUS (Tables 1-23; Figure 1)
- IV. MAJOR SERVICES (Tables 1-2)
- V. SUPPORT SERVICES (self-contained)
- VI. OTHER SERVICES (Table VI-1)
- VII. HEALTH RELATED PROGRAMS (Table VII-1)
- VIII. GOALS AND OBJECTIVES (self-contained)

APPENDICES:

1. PROPOSED PLAN FOR FACILITIES AND STAFF MODIFICATIONS
FOR FY 1979 AND THEREAFTER; PRESENT HOSPITAL STAFFING;
PLANS FOR FACILITIES RENOVATION.
2. TRUST TERRITORY FEE SCHEDULE
3. CONSUMER SURVEY

5009171

MARSHALL DISTRICT
Tables and Figures

Table I	Population By Age, 1973	p23
Table II	Population By Geographical Distribution, 1973	p23
Table III	Geographical Distribution Of High-Risk Age Group, 1973	p23
Table IV	District Center Population Growth/Majuro Population as Percent of Entire District, 1967-1982	p23
Table V	Population Growth, 1967-1982	p23
Figure 1	Crude Birth Rates: District Compared To TTPI, 1955-1975	
Table III-1	Population, Birth, Infant Deaths, Deaths, And Natural Increase TTPI Marshall Islands, 1955-1975	
Table III-2	Population, Birth, Infant Deaths, Deaths, And Natural Increase TTPI 1955-1975	
Table III-3A	Complications of Pregnancy, 1974	
Table III-3B	Complications of Pregnancy, 1975	
Table III-3C	Complications of Pregnancy, 1976	
Table III-3D	Complications of Pregnancy Summary, 1974, 1975, 1976	
Table III-4	Fetal, Neonatal ; Infant And Child Deaths, 1974-1976	
Table III-5	Infant Mortality Rate for All District, 1976	
Table III-6	Selected International Infant Mortality Rates For 1974	
Table III-7	Neonatal, Infant And Child Deaths, 1974-1976	
Table III-7a	Continuation of Above	
Table III-8	Causes of Mortality, 1974, 1975, 1976	
Table III-9	Leading Causes of Death : 1974-1976	
Table III-10	Ten Leading Causes of Death: United States, 1973	
Table III-11	Deaths Reported in Trust Territory of the Pacific Islands in Calendar Year 1974, 1975, and 1976 (Listed in Rank Order)	

MARSHALL DISTRICT
Tables and Figures

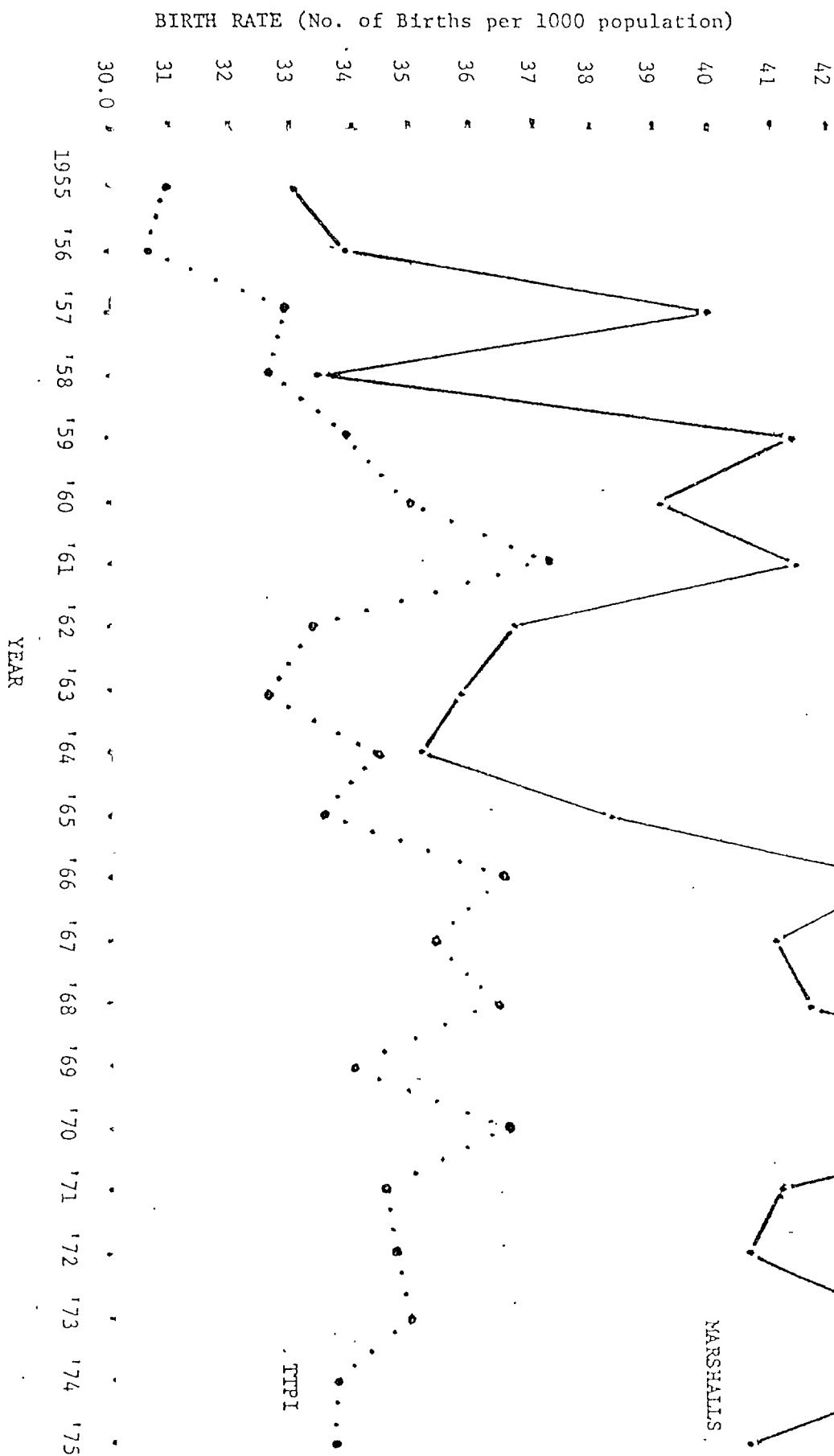
- Table III-12 Cases of Notifiable Diseases Reported in Trust Territory Districts, January - December 1976
- Table III-13 Cases of Notifiable Diseases Reported in Marshall Islands 1976-1971
- Table III-14 Ten Leading Causes of Outpatient Visits in Marshalls District Hospital, 1974
- Table III-15 Ten Leading Causes of Outpatient Visits in Ebeye District Hospital, 1974
- Table III-16 Dispensary Utilization By Condition For Which Care Was Sought, 1976-1977
- Table III-17 Ten Leading Causes of Dispensary Utilization, 1976-1977
- Table III-18 Ten Leading Causes of Inpatient Visits in Ebeye SubHospital 1974, 1975, 1976
- Table III-20 Number of Hospital Discharges For Twenty-Five Diseases and For Child Birth Related Health Care, 1974, 1975, 1976
- Table III-21 Number of Hospital Discharges For Twenty-Five Diseases And for Child Birth related Health Care, 1974, 1975 1976
- Table III-22 Immunization Levels, Marshall District
- Table III-23 Summary of Immunization Assessment Birth Groups: 1969-1974
- Table IV-1 Health Services Expenditures, 1976
- Table IV-2 Health Services Budget, 1977, 1978, 1979
- Table IV-3 Federal Programs Grants, 1977
- Table IV-4 Staffing Pattern for District Hospital, Majuro
- Table IV-5 Listings Of District Hospital Personnel, Title, Pay Level
- Table IV-6 Summary of In-Patient Services, Marshall District
- Table IV-7 Summary of In-Patient Services, Ebeye District

MARSHALL DISTRICT
Tables and Figures

Table IV-8	Data on Operations, Marshall Health Services, 1976-1977
Table IV-9	Summary of T.T. Referrals By Services, January-August 1977
Table IV-12	Referrals From District Center To Locations To Outside District, 1977
Table IV-13	Referrals From District Center To Locations Outside District, 1976
Tables IV-14	Outlays, T.T. Wide Medical Referrals
Tables IV-15	Dispensary Facilities Inventory, Marshalls District, July 1977
Table IV-16	Health Manpower Inventory
Table IV-17	Percent of Extractions, Fillings, And Other Services for All Patients Treated in District Clinic By Dental Officers And Dental Nurses, 1976
Table IV-18	Percent of Extractions, Fillings, And Other Services for All Patients Treated in District Clinic By Dental Officers And Dental Nurses, 1976
Table IV-19	Same as above
Table IV-20	Extractions Vs Permanent Fillings for 17 year olds and Younger, January-December 1976
Table IV-21	Public Health Reports
Table IV-23	Cervical Cancer Detection: Comparative Figures for District Performances
Table VI-1	Vocational Rehabilitation, Majuro (Rx Treatments)
Table VII-1	Communication And Transportation Services to Outer Islands As of November 1977

FIGURE 1

CRUDE BIRTH RATES:
MARSHALLS DISTRICT COMPARED
TO TTPI, 1955 - 1975.



5009175

TABLE III-1

Population, Birth, Infant Deaths, Deaths, and Natural Increase
Trust Territory of the Pacific Islands
Marshall Islands, 1955-1975

Year	Population	Total Births	Birth Rate	Infant Rate	Infant Death Rate	Total Deaths	Death Rate	Natural Increase	Rate of Natural Increase
1955	14,260	470	33.0	21	44.7	105	7.4	365	25.6
1956	13,984	474	33.9	19	40.1	96	6.9	378	27.0
	13,231	528	39.9	18	34.1	64	4.8	464	35.1
1958	13,928	465	33.4	20	43.0	96	6.9	369	26.5
1959	14,290	590	41.3	24	40.7	116	8.1	474	33.2
1960	14,907	582	39.0	23	39.5	123	8.3	459	30.8
1961	15,399	638	41.4	15	23.5	81	5.3	557	36.2
1962	15,710	575	36.6	18	31.3	79	5.0	496	31.6
1963	17,363	622	35.8	41	65.9	119	6.9	503	29.0
1964	18,205	638	35.0	24	37.6	96	5.3	542	29.8
1965	18,062	692	38.3	24	34.7	114	6.3	578	32.0
1966	18,239	784	43.0	16	20.4	95	5.2	589	37.8
1967	18,925	775	41.0	21	27.1	121	6.4	654	34.6
1968	18,998	791	41.6	29	36.7	145	7.6	646	34.0
1969	19,328	891	46.1	17	19.1	118	6.1	773	40.0
1970	20,206	918	45.4	26	28.3	138	6.8	780	38.6
1971	23,166	951	41.1	32	33.6	104	4.5	847	36.6
1972	24,248	984	40.6	25	25.4	127	5.2	857	35.3
1973	25,044	1,077	43.0	50	46.4	152	6.1	925	36.9
1974	26,146	1,136	43.4	24	21.1	130	5.0	1,006	38.5
1975	27,296	1,108	40.6	41	37.0	127	4.7	981	35.9

Note: All rates are per 1,000 population, except the Infant Death Rate which is computed per 1,000 live births.

Source: Population from annual reports, Trust Territory of the Pacific Islands. 1958, 1967 and 1973 populations were enumerated in a Territory-wide census. The 1974 and 1975 populations are projected based on 1973 census population. Population in this table is permanent resident population from Appendix I, B. p. 162. Births and deaths are from certificates registered for events in each year. Figures 1970-1974 have increased from previous reports by the inclusion of events which were registered late (delayed registration).

5009176

Table III-2 Population, Births, Infant Deaths, Deaths, and Natural Increase
Trust Territory of the Pacific Islands, 1955 - 1976

Year	Population	Total Births	Birth Rate	Infant Death	Infant Death Rate	Total Death	Death Rate	Natural Increase
1955	64,290	1,989	30.9	68	34.2	364	5.7	1,625
1956	65,039	1,992	30.6	65	32.6	362	5.6	1,630
1957	67,199	2,210	32.9	85	38.5	393	5.8	1,817
1958	70,594	2,298	32.6	85	37.0	350	5.0	1,948
1959	73,052	2,466	33.8	99	40.1	393	5.4	2,073
1960	75,836	2,649	34.9	85	32.1	451	5.9	2,198
1961	77,913	2,895	37.2	93	32.1	412	5.3	2,483
1962	80,980	2,694	33.3	89	33.0	386	4.8	2,308
1963	84,777	2,756	32.5	105	38.1	425	5.0	2,331
1964	88,215	3,024	34.3	99	32.7	529	6.0	2,495
1965	90,596	3,032	33.5	132	43.5	530	5.9	2,502
1966	92,373	3,359	36.4	111	33.0	493	5.3	2,866
1967	93,580	3,301	35.3	108	32.7	496	5.3	2,805
1968	94,469	3,440	36.4	112	32.6	545	5.8	2,895
1969	98,009	3,321	33.9	116	34.9	533	5.4	2,788
1970	102,250	3,733	36.5	78	20.9	599	5.9	3,134
1971	107,054	3,684	34.4	131	35.6	579	5.4	3,107
1972	114,645	3,959	34.5	120	30.3	600	5.2	3,359
1973	114,773	4,001	34.9	129	32.2	537	4.7	3,464
1974	118,903	4,004	33.7	124	31.0	608	5.1	3,396
1975	123,184	4,222	34.3	135	33.2	613	5.0	3,609
1976	127,624	3,973	31.1	71	17.9	540	4.2	3,433

Note: All rates are per 1,000 population, except the Infant Death Rate which is computed per 1,000 live births.

Source: Population from annual reports, Trust Territory of the Pacific Islands. The 1958, 1967 and 1973 population were enumerated in a Territory-wide census. The 1974 and 1975 populations are projected based on 1973 census population. Population in this table is permanent resident population from appendix I, B, page 162. Births and deaths are from certificates registered for events in each year. Figures for 1970 - 1974 have increased from previous reports by the inclusion of events which were registered late (delayed registration).

5009177

TABLE III-3 A.

COMPLICATIONS OF PREGNANCY - MARSHALL DISTRICT (TTPI Citizens only) 1974

	Outer Islands # 304	Rate	Kwajalein # 204	Rate	Majuro # 453	Rate	Total District # 997	Rate
Births								
Prematurity *	2	6.6	17	70.8	35	77.3	54	54.0
Low Birth Weight**	2	6.6	3	12.5	12	26.5	17	17.0
Abnormal Presentation Including Breech	1	3.3	1	4.2	8	17.7	10	10.0
Prolonged Labor	1	3.3	-	-	10	22.0	11	11.0
C-Section	-	-	-	-	1	2	1	1.0
Maternal Lacerations (1st & 2nd degree)	1	3.3	1	4.2	38	83.9	40	40.0
Other Complications of Delivery	1	3.3	-	-	12	26.5	13	13.0
Maternal Anemia	-	-	2	8.3	13	28.7	15	15.0
Hyperemesis	3	9.9	3	12.5	10	22.0	16	16.0
Other Complications of Pregnancy	-	-	-	-	2	4.4	2	2.0
Congenital Defects of Child	-	-	1	4.2	1	2.0	2	2.0
Total Complications of Delivery	8	26.0	22	91.7	116	256.1	146	146.4
Total Complications of Pregnancy	3	9.9	5	20.8	25	55.2	33	33.1
Total All Complications & Congenital Defects	11	36.2	28	116.7	142	313.5	181	181.5

*Defined as gestation period less than 40 weeks.

** Defined as 40 weeks or longer gestation period but birth weight less than 5lbs. 8 ozs.

Source: TTPI birth certificates: TT Department of Health Services Division of Vital Statistics.

5009178

TABLE III-3 B.

COMPLICATIONS OF PREGNANCY - MARSHALL DISTRICT (TTPI Citizens only) 1975

	Outer Islands.		Kwajalein		Majuro		Total District	
	#	Rate	#	Rate	#	Rate	#	Rate
Births	341		323		494		1158	
Prematurity.*	5	14.7	34	105.3	28	56.7	67	57.9
Low Birth Weight**	2	5.9	8	24.8	35	70.8	45	38.9
Abnormal Presentation Including Breech	2	5.9	6	18.6	8	16.2	16	13.8
Prolonged Labor	4	11.7	3	9.3	1	2.0	8	6.9
C-Section	-	-	-	-	2	4.0	2	1.7
Maternal Lacerations (1st & 2nd degree)	2	5.9	-	-	55	111.0	57	49.0
Other Complications of Delivery	-	-	1	3.1	1	2.0	2	1.7
Maternal Anemia	2	5.9	1	3.1	18	36.4	21	18.0
Hyperemesis	7	20.5	0	0	4	8.1	11	9.5
Other Complications of Pregnancy	1	2.9	0	0	2	4.0	3	2.6
Congenital Defects of Child	1	2.9	1	3.1	1	2.0	3	2.6
Total Complications of Delivery	15	44.0	52	161.0	130	263.0	197	170.0
Total Complications of Pregnancy	10	29.0	2	6.2	25	50.6	37	31.9
Total All Complications & Congenital Defects	26	76.2	55	170.3	156	314.8	237	204.7

*Defined as gestation period less than 40 weeks.

**Defined as 40 weeks or longer gestation period but birth weight less than 5lbs. 8 ozs.

Source: TTPI birth certificates: TT Department of Health Services Division of Vital Statistics.

5009179

TABLE III-3 C.

COMPLICATIONS OF PREGNANCY - MARSHALL DISTRICT (TTPI Citizens only) 1976

	Outer Islands #	Rate	Kwajalein #	Rate	Majuro #	Rate	Total District #	Rate
Births	337		272		482		1091	
Prematurity*	3	8.9	20	73.5	14	29.0	37	33.9
Low Birth Weight**	3	8.9	6	22.0	41	85.0	50	45.8
Abnormal Presentation Including Breech	2	5.9	3	11.0	15	31.0	20	18.3
Prolonged Labor	3	8.9	1	3.7	4	8.3	8	7.3
C-Section	-	-	-	-	5	10.4	5	4.6
Maternal Lacerations (1st & 2nd degree)	-	-	1	3.7	97	201.0	98	89.8
Other Complications of Delivery	2	5.9	-	-	2	4.0	4	3.7
Maternal Anemia	-	-	1	3.7	9	18.7	10	9.2
Hyperemesis	5	14.8	-	-	2	4.0	7	6.4
Other Complications of Pregnancy	-	-	1	3.7	-	-	1	.9
Congenital Defects of Child	-	-	-	-	-	-	-	-
Total Complications of Delivery	13	38.6	31	114.0	178	369.0	222	203.5
Total Complications of Pregnancy	5	14.8	2	7.3	11	22.8	18	16.5
Total All Complications & Congenital Defects	18	53.4	33	121.3	189	392.0	240	220.0

*Defined as gestation period less than 40 weeks.

**Defined as 40 weeks or longer gestation period but birth weight less than 5lbs. 8 ozs.

Source: TTPI birth certificates: TT Department of Health Services Division of Vital Statistics.

5009180

TABLE III-3 D.

COMPLICATIONS OF PREGNANCY - MARSHALL DISTRICT (TTPI Citizens only)
SUMMARY: 1974, 1975 and 1976.

	Outer Islands		Kwajalein		Majuro		Total District	
	#	Rate	#	Rate	#	Rate	#	Rate
Births	982		835		1429		3246	
Prematurity *	10	10.2	71	85.0	77	53.9	158	48.7
Low Birth Weight**	7	7.0	17	20.3	88	61.6	112	34.5
Abnormal Presentation Including Breech	5	5.1	10	12.0	31	21.7	46	14.2
Prolonged Labor	8	8.1	4	4.8	15	10.5	27	8.3
C-Section	-	-	-	-	8	5.6	8	2.5
Maternal Lacerations (1st & 2nd degree)	3	3.0	2	2.4	193	135.0	198	61.0
Other Complications of Delivery	3	3.0	1	1.2	15	10.5	19	5.8
Maternal Anemia	2	2.0	4	4.8	40	28.0	46	8.0
Hyperemesis	15	15.3	3	3.6	16	11.2	34	10.5
Other Complications of Pregnancy	1	1.0	1	1.2	4	2.8	6	1.8
Congenital Defects of Child	1	1.0	2	2.4	2	1.4	5	1.5
Total Complications of Delivery	36	36.7	105	125.7	429	296.7	565	174.1
Total Complications of Pregnancy	18	18.3	9	10.8	61	42.7	88	27.0
Total All Complications & Congenital Defects	55	56.0	116	138.9	487	340.8	658	202.7

*Defined as gestation period less than 40 weeks.

**Defined as 40 weeks or longer gestation period but birth weight less than 5lbs. 8 ozs.

Source: TTPI birth certificates: TT Department of Health Services Division of
Vital Statistics.

5009181

(SUPPLEMENT TO TABLE III-3)

COMPLICATIONS OF PREGNANCY - 1974

OTHER COMPLICATIONS OF DELIVERY

Outer Islands	Kwajalein	Majuro
Retained placenta 1	-0-	Evisiotomy 5
		Partial Placenta Previa 1
		Retained Placenta 2
		Cord around neck Disproportion 1
		Cephalopelvic 1
		Post partum hemorrhage 2

OTHER COMPLICATIONS OF PREGNANCY

-0-	-0-	Toxemia 1
		Polyhydramnios 1

CONGENITAL DEFECTS OF CHILD

-0-	Polydactylism 1	Accessory digit of thumb 1
-----	-----------------	----------------------------

5009182

(SUPPLEMENT TO TABLE III-3)

· COMPLICATIONS OF PREGNANCY - 1975 ·

OTHER COMPLICATIONS OF DELIVERY

Outer Islands

Kawajalein

Majuro

-0-

Difficult delivery 1

Low lying placenta 1

OTHER COMPLICATIONS OF PREGNANCY

Preeclampsia 1

-0-

Uterine bleeding 2

CONGENITAL DEFECTS OF CHILD

Cleft Palate 1

Achondroplasia 1

Super nummery
(6 fingers) 1

5009183

COMPLICATIONS OF PREGNANCY - 1976

OTHER COMPLICATIONS OF DELIVERY

Outer Islands	Kwajalein	Majuro
Weak contractions 2	-0-	Placenta previa complete 1
		Retained placenta 1

OTHER COMPLICATIONS OF PREGNANCY

-0-	Interuterine bleeding 1
-----	-------------------------

CONGENITAL DEFECTS OF CHILD

-0-	-0-	-0-
-----	-----	-----

TABLE III-4

Fetal; Neonatal; Infant & Child Deaths* - MARSHALL DISTRICT

1974 - 1976 (TPI citizens only)

Geographic Location	Births	Fetal Deaths	Fetal Rate	Neonatal Deaths	Neonatal Rate	Infant Deaths (7 - 1)	Infant Rate	Child Deaths (1 - 4)	Child Rate	Maternal Deaths	Maternal Rate
<u>1974:</u>											
Outer Islands	304	12	39.5	-0-	-0-	4	13.2	1	3.3	N/Av.	N/A
Kwajalein	240	22	91.7	3	12.5	3	12.5	4	16.7	N/Av.	N/A
Majuro	453	18	39.7	9	19.7	10	22.1	3	6.6	N/Av.	N/A
TOTAL DISTRICT	997	52	52.2	12	12.0	17	17.0	8	8.0	1	1.003
<u>1975:</u>											
Outer Islands	341	16	46.9	4	11.7	6	17.6	4	11.7	N/Av.	N/A
Kwajalein	323	10	31.0	10	31.0	13	40.2	4	12.9	N/Av.	N/A
Majuro	494	22	44.5	13	26.3	18	36.4	5	10.1	N/Av.	N/A
TOTAL DISTRICT	1148	48	41.4	27	23.3	37	31.9	13	11.2	2	1.727
<u>1976:</u>											
Outer Islands	337	14	41.5	3	8.9	10	29.7	5	14.8	N/Av.	N/A
Kwajalein	272	2	7.3	1	3.7	1	3.7	0	0	N/Av.	N/A
Majuro	482	23	47.7	5	10.4	8	16.6	5	10.4	N/Av.	N/A
TOTAL DISTRICT	1091	39	35.7	9	8.2	19	17.4	10	9.2	N/Av.	N/A
Summary 1974, 75, 76:											
Outer Islands	982	42	42.8	7	7.1	20	20.4	10	10.2	N/Av.	N/A
Kwajalein	835	34	40.7	14	16.8	17	20.3	8	9.6	N/Av.	N/A
Majuro	1429	63	44.1	27	18.9	36	25.2	13	9.1	N/Av.	N/A
TOTAL DISTRICT	3246	139	42.8	48	14.8	73	22.5	31	9.5	3****	1.4

NOTE: All rates calculated on the basis of deaths per 1,000 live births.

****Rate calculated on basis of 1974 and 1975 statistics.

5009185

TABLE III-5

INFANT MORTALITY RATES FOR ALL DISTRICTS, 1976

District	Number of Live Births	Number of Infant Deaths	Infant Mortality Rate*
Palau	373	9	24.12
Marianas	570	11	19.30
Yap	262	6	22.90
Truk	741	10	13.50
Ponape	892	16	17.9
Marshall Islands**	1,091	19	17.4
TT-Wide	3,929	71	18.07

(These figures for January-December, 1976: Provisional until official statistics are released)

SOURCE: TT Headquarters Office of Medical Records and Statistics.

* per 1,000 live births

**Data for the Marshalls is drawn from birth certificates on file with the TT Division of Medical Records and Statistics.

5009186

Table III-6

SELECTED INTERNATIONAL INFANT MORTALITY RATES FOR 1974
(with Marshalls District and TTPI included)

Location:	Infant Mortality Rate:
Sweden	9.6
Kwajalein Atoll	12.5
Outer Is. - Marshall District	13.2
California	13.7
Hawaii	15.5
Tonga	16.0
U.S.A.	16.7
Marshall District	17.0
Majuro	22.1
TTPI	31.0
Kenya	55.0
Congo	180.0
Cameroon	200.0

5009187

TABLE III-7

NEONATAL, INFANT AND CHILD DEATHS - MARSHALL DISTRICT - 1974-76 CAUSES OF DEATH

Year	Region	Death Category	Cause	# of Deaths
1974	Outer Islands	Neonatal	N/A	-0-
		Infant	Severe vomiting	1
			Pneumonia	1
			Meningitis	1
			Muscular Atrophy	1
			Total: Deaths-----	4
		Child	Peritonitis (acute appendicitis)	1
			Total-----	1
1974	Kwajalein Atoll	Neonatal	Prematurity	3
		Infant	N/A	-0-
		Child	Gastroenteritis	2
			Amebiasis	1
			Asthmatic Bronchitis	1
			Total-----	4
1974	Majuro	Neonatal	Prematurity	4
			Aspiration	1
			Respiratory Distress Syndrome	1
			Congenital Disorder	1

5009188

TABLE III-7 (a)

		Amnionitis	1
		Birth injury	1
		Total Deaths-----	9
	Infant	Inguinal lymphadenitis	1
		Total-----	1
	Child	Congenital heart disease	1
		Cerebral edema	1
		Bronchopneumonia	1
		Total Deaths -----	3
1975	Outer Islands	Neonatal	
		Prematurity	1
		Atelectasis	1
		Aspiration pneumonia	1
		Prolapsed umbilical cord	1
		Total-----	4
	Infant	Gastroenteritis	2
		Total-----	2
	Child	Malnutrition	1
		Pneumonia	1
		Total-----	4
1975	Kwajalein Atoll	Neonatal	
		Prematurity	6
		Gastroenteritis	2
		Small bowel perforation	1
		Aspiration	1
		Total-----	10

TABLE III-7 (b)

1975	Majuro	Infant		Total Deaths-----	
			Poisoning (accident)	1	2
		Child			
			Congenital disorder	2	
			Bronchopneumonia	1	
			Unknown	1	
			Total-----	4	
		Neonatal			
			Prematurity	9	
			Congenital disorder	1	
			Aspiration	1	
			Immature lungs	1	
			Prolapsed umbilical cord	1	
			Total-----	13	
		Infant			
			Flu	2	
			Gastroenteritis	1	
			Meningitis	1	
			Congenital disorder	1	
			Total-----	5	
1975	Majuro	Child			
			Gastroenteritis	2	
			Viral respiratory infection	1	
				1	
			Protein calorie malnutrition	1	
			Total-----	5	

1976	Outer Islands	Neonatal	Aspiration pneumonia	1
			Viral pneumonia	1
			Erythroblastosis fetalis	1
			Total Deaths-----	3
		Infant	Gastroenteritis	3
			Infectious hepatitis	1
			Hydrocephalus	1
			Viral pneumonia	1
			Total-----	7
		Child	Viral pneumonia	2
			Gastroenteritis	1
			Accidental drowning	1
			Acute meningitis	1
			Total-----	5
1976	Kwajalein Atoll	Neonatal	Aspiration pneumonia	1
			Total-----	1
		Infant	N/A	-0-
		Child	N/A	-0-
1976	Majuro	Neonatal	Premature	2
			Aspiration	1
			Premature separation of placenta	1
			Gastroenteritis	1
			Total-----	5

TABLE 11-7 (d)

Infant	Meningitis	
		Total Deaths-----
		3
Child	Meningitis	1
	Peritonitis (appendicitis)	1
	Accident	1
	Hydrocephalus	1
	TB meningitis	1
	Total]-----	5

5009192

Table III-8.

CAUSES OF MORTALITY*: MARSHALL DISTRICT, 1974, 1975 and 1976 (TTPI Citizens Only)

	Outer Islands			Kwajalein Atoll			Majuro			All Years District Total	Total District Death Rate 1974	Total District Death Rate 1975	Total District Death Rate 1976
	1974	1975	1976	1974	1975	1976	1974	1975	1976				
Cerebral Vascular	3	4	6	0	2	0	7	3	2	33	.38	.33	.49
Cancer	4	5	5	3	2	3	7	2	2	33	.53	.33	.35
Pneumonia	0	1	0	3	6	0	4	9	2	25	.27	.59	.07
Heart Related	4	5	2	0	2	0	3	6	3	24	.27	.44	.18
Gastroenteritis	7	2	5	1	1	0	4	2	1	23	.46	.18	.21
Infantile	3	6	4	3	2	0	1	4	1	24	.27	.44	.18
Chronic Lung Disease	5	3	4	0	1	0	1	2	5	21	.23	.22	.32
Diabetes	2	5	3	1	2	0	3	1	1	18	.23	.3	.14
Accidents	4	0	0	1	4	0	4	1	5	19	.34	.18	.18
Maternal Conditions of birth process	0	1	2	0	1	0	3	5	2	12	.12	.29	.14
Suicide	0	3	3	0	2	1	2	2	2	14	.08	.22	.2
Hepatitis	0	2	0	2	2	0	1	2	3	12	.12	.22	.12
Chronic Gastro Related	1	0	2	1	0	0	0	1	6	11	.08	.04	.28
Congenital	4	2	0	0	0	1	1	0	2	10	.19	.07	.12
Kidney Related	0	0	1	0	3	0	2	3	1	10	.08	.22	.07
Nutrition Deficiency	2	1	2	0	0	0	0	1	1	7	.03	.07	.12
Unknown	0	1	1	0	2	0	1	2	0	7	.04	.18	.035
Other	2	3	0	1	2	0	0	1	0	5	.115	.22	-
	4	1	6	2	1	2	6	5	4	31	.46	.22	.42

* Source: TTPI Death Certificates - Courtesy TT Health Services Division
of Vital Statistics.

Note: Year 1974, Total District Population: 26,145, Total Deaths 113, Death Rate per 1,000 Population: 4.3.
 Year 1975, Total District Population: 27,296, Total Deaths 131, Death Rate per 1,000 Population: 4.8.
 Year 1976, Total District Population: 28,285, Total Deaths 102, Death Rate per 1,000 Population: 3.6.

5009193

TABLE III-9

LEADING CAUSES OF DEATH: MARSHALL DISTRICT 1974 - 1976

DISEASE	NUMBER OF CASES
1. Cancer	33
2. Cerebral vascular diseases	33
3. Prematurity	25
4. Heart Diseases	24
5. Gastroenteritis	24
6. Pneumonia	23
7. Inanition*	21
8. Diabetes	19
9. Chronic lung conditions	18
10. Nonmaternal conditions associated with delivery	14
11. Accidents	12
12. Suicide	12
13. Meningitis	11
14. Chronic gastro-related conditions	10
15. Congenital defects	10
16. Kidney diseases	7
17. Nutritional deficiencies	7
18. Unknown	9
19. Other	31

* Wasting of the body due to lack of food. Condition is generally listed in official statistics as relating to senility. In all cases in the Marshall District this condition occurred in individuals over the age of 65.

TABLE III.-9 (SUPPLEMENT)

RANK ORDER SELECTED CAUSES OF DEATH - YEARS 0 THROUGH 4, 1974-1976

	TOTAL # DEATHS	103
Deaths by:		
Prematurity		23 or 22.3%
Congenital defect & birth related injuries		20 or 19.4%
Gastroenteritis and amebiasis		18 or 17.5%
Pneumonia		9 or 8.7%
Malnutrition		5 or 4.8%
	TOTAL-----	75 or 72.8%

5009195

• • SUPPLEMENT TO TABLE III-9

MORTALITY DATA

endar Year

Other Conditions 1974 are:

Retained placenta	1
Cirrhosis of liver	2
Severe vomiting	1
Spinobulbur muscular atrophy	1
Amebiasis	2
Inaguinal lymphaderitis	1
Cerebral edema	1
Cerebralencephal opathy	1
Aspiration	1
TB	1

endar Year

1975 1974

Other Conditions 1975 are:

Eclampsia	1
Amebiasis	1
Flu	2
Viral respiratory tract infection	1
Uterine gangrene infection	1
Thoracic myelopathy	1

Other Conditions 1976 are:

Infectious hepatitis	1
Osteomyelitis	1
Agranulocytosis	1
Chickenpox	1
Prostatic hypertrophy	1
Glioblastoma	1
Central nervous system disorder	1
Infection above knee amputation	1
TB	1
Fish poisoning	1
Cerbral encephalomalacia	1
Paralytic ileus	1

5009196

TABLE III-10

TEN LEADING CAUSES OF DEATH - UNITED STATES - 1973

Diseases	Number	Rate/1000 Population
Ischaemic Heart Disease	674,066	3.26
Cerebravascular Disease	214,312	1.02
Malignant neoplasms of trachea, bronchus & lung.	74,933	.36
Diseases of arteries, arterioles & capillaries	58,698	.28
Pneumonia	55,824	.27
Motor vehicle accidents	55,511	.265
Malignant neoplasms of prostate	18,830	.184
Malignant neoplasms of intestine(except rectum)	38,380	.183
Diabetes Mellitus	38,208	.182
Cirrhosis of liver	33,350	.159

TEN LEADING CAUSES OF DEATH - PERU - 1972

Diseases	Number	Rate/1000 Population
Pneumonia	15,954	1.104
Enteritis	10,728	.742
Bronchitis, emphysema & asthma	4,616	.32
Tuberculosis of respiratory system	3,585	.248
Influenza	3,045	.211
Avitaminoses & other nutri- tional deficiencies	2,331	.161
Ischaemic Heart Disease	2,003	.139
Cerebrovascular Disease	1,924	.133
Whooping cough	1,765	.122
Measles	1,709	.118

Source: World Health statistical annual, 1973-76, Vital Statistics and Cause of Death, Vol. 1, World Health Organization, 1976.

TABLE III-11

Deaths Reported in the Trust Territory of the Pacific Islands in Calendar Year
1974, 1975 and 1976 (Listed in Rank Order of 1976).

Rank Order	Cause of Deaths	Calendar Year		
		1976	1975	1974
1	Malignant neoplasms (140-209)	37	42	55
2	Accident, all types (E800-E949)	36	18	39
3	Influenza and pneumonia (470, 480-486)	31	29	39
4	Bronchitis, emphysema, and asthma (490-493)	29	32	13
4	Diseases of heart (390-398, 402, 410-429)	29	38	57
5	Cerebrovascular diseases (430-438)	21	20	31
6	Diarrheal and intestinal diseases (004,006,008,009)	19	33	38
7	Prematurity (777)	14	52	43
8	Suicides (E950-E959)	10	19	15
9	Meningitis (320)	9	3	13
10	Diabetes mellitus (250)	8	8	17
10	Tuberculosis, all forms (001-019)	8	5	11
11	Congenital anomalies (740-759)	6	9	6
11	Cirrhosis of liver (571)	6	4	14
12	Certain causes of mortality of early infancy (760-768, 769-771, 772, 773-775, 776, 778)	4	8	17
13	Maternal deaths (630-639, 740-645, 650-678)	3	6	7
14	Nutritional deficiencies (260-269)	1	12	7
	All other causes	177	159	141
	of these ill-defined and unknown	(117)	(121)	81
	TOTAL	448	497	1126

5009198

TABLE III- 12

Cases of Notifiable Diseases Reported in Trust Territory Districts
January - December 1976

Diseases	Total	Marshall's	Freya	Ponape	Kosrae	Truk	Marianas	Rota	Yap	Palau
CATEGORY "B"										
BA Dengue Fever										
BC Dysentery - Amoebic	3,172	395	305	1,179	66	975	168	5	78	
BD Dysentery - Bacillary	32	-	-	32	-	-	-	-	-	
BE Eucephalitis										
BF Measles	1	-	-	-	-	-	1	-	-	
BG Meningitis - Meningococcal	1	-	-	-	-	-	-	-	-	
BH Meningitis - (Other forms)	35	21	-	6	-	-	8	-	-	
BI Pertussis	5	-	-	-	-	4	1	-	-	
CATEGORY "C"										
CA Gonorrhea	413	88	45	78	9	27	9	5	45	
CB Infective Hepatitis	39	-	-	20	-	4	4	-	-	
CC Influenza	17,439	1,652	32	3,899	1,059	4,619	3,236	84	1,061	1,771
CD Leprosy	27	2	-	-	-	22	-	-	3	
CE Rheumatic Fever	11	-	-	-	-	7	4	-	-	
CF Syphilis	26	-	16	-	-	9	-	-	1	
CG Tetanus										
CH Tuberculosis, Pulmonary	37	8	-	4	1	4	14	-	2	
CI Tuberculosis, Other Forms	15	9	-	3	-	-	2	-	-	
CJ Yaws										
CATEGORY "D"										
DA Chickenpox	784	320	3	31	-	77	278	18	23	
DB Conjunctivitis, Acute Infectious of Newborn										
DC Dysentery, Unspecified Type										
DD Filariasis	149	-	-	5	-	140	-	-	3	
DE Fish Poisoning	340	225	86	3	-	5	18	3	-	
DF German Measles	13	8	-	4	-	-	-	-	-	
DG Mumps	170	7	-	1	-	31	23	104	-	
DH Strep Throat & Scarlet Fever	322	9	-	17	-	6	288	1	1	
Salmonella	3	-	1	2	-	-	-	-	-	
Shigella	12	-	12	-	-	-	-	-	-	

5009199

Table III-13

CASES OF NOTIFIABLE DISEASES IN MARSHALLS ISLANDS - 1976 - 1971

Diseases	Total	1976	1975	1974	1973	1972	1971
Influenza	25,702	1,684	5,094	2,972	1,032	8,721	6,199
Dysentery - Amoebic	4,801	700	587	1,009	935	769	801
Chickenpox	1,155	323	218	166	138	168	142
Gonorrhea	969	133	121	189	219	212	95
Fish Poisoning	1,390	311	114	233	214	246	272
Mumps	852	7	14	814	5	5	7
Tuberculosis, Pulmonary	61	8	8	16	6	11	12
Leprosy	11	2	3	3	3	-	-
German Measles	464	8	3	39	5	407	2
Meningitis - (other forms)	26	21	2	1	1	1	-
Tuberculosis (other forms)	27	9	2	5	3	5	3
Salmonella	2	1	1	-	-	-	-
Dengue Fever	19	-	-	19	-	-	-
Infectious Hepatitis	257	-	-	2	87	168	-
Meningitis - Meningococcal	2	-	-	-	1	1	-
Dysentery - Bacillary	1	-	-	-	-	1	-
Dysentery, Unspecified Type	715	-	-	-	-	-	715

5009200

TABLE III-14

Ten Leading Causes Of Outpatient Visits In
Marshall's District Hospital
1974

<u>Diseases And Conditions</u>	<u>No. Of Patient Visits</u>
1. Other diseases and conditions	10,851
2. Other respiratory system	8,944
3. Influenza	4,632
4. Digestive system	4,366
5. Skin and subcutaneous tissue	3,220
6. Asthma	3,212
7. Eye	2,531
8. Intestinal parasites	1,915
9. Ear and Mastoid	1,496
10. Infectious diseases of intestinal tract	1,486

1975

1. Other diseases and conditions	12,727
2. Diabetes	8,850
3. Influenza (Flu)	6,331
4. Other respiratory system	5,702
5. Skin and subcutaneous tissue	4,183
6. Infectious diseases of intestinal tract	2,211
7. Digestive system	2,097
8. Asthma	2,075
9. Intestinal parasites	1,762
10. Pneumonia	1,073

1976

1. Other diseases and conditions	12,805
2. Skin and subcutaneous tissue	5,143
3. Other respiratory system	4,184
4. Intestinal parasites	2,009
5. Influenza (flu)	1,970
6. Infectious diseases of intestinal tract	1,940
7. Asthma	1,697
8. Scabies	1,395
9. Diabetes	1,208
10. Digestive system	1,334

5009201

TABLE III-15

Ten Leading Causes Of Outpatient Visits In
Ebeye District Hospital
1974

0

<u>Diseases And Conditions</u>	<u>No. Of Patient Visits</u>
1. Other respiratory system	15,271
2. Other diseases and conditions	10,110
3. Skin and subcutaneous tissue	7,010
4. Digestive system	3,517
5. Ear and mastoid	2,462
6. Eye	2,335
7. Infectious diseases of intestinal tract	1,473
8. Intestinal parasites	1,347
9. Mumps	1,289
10. Asthma	898

1975

1. Other respiratory system	8,565
2. Other diseases and conditions	5,147
3. Skin and subcutaneous tissue	4,242
4. Digestive system	1,706
5. Ear and Mastoid	1,170
6. Eye	1,051
7. Infectious diseases of intestinal tract	772
8. Diabetes	677
9. Intestinal parasites	473
10. Asthma	460

1976

1. Other diseases and conditions	3,336
2. Other respiratory system	1,714
3. Infectious diseases of intestinal tract	985
4. Skin and subcutaneous tissue	591
5. Intestinal parasites	363
6. Diabetes	209
7. Influenza (flu)	221
8. Digestive system	209
9. Fungus	169
10. Asthma	148

5009202

Table III-16

DISPENSARY UTILIZATION BY CONDITION FOR WHICH CARE WAS SOUGHT (1976-77)

Total Number Dispensaries - Marshall District	63
Total Number Dispensaries Surveyed**	25
% of Total Dispensaries Surveyed	40%
Total projected yearly visits (surveyed dispensaries)	24,620
Total projected yearly visits (all dispensaries)	65,653
Average visits per dispensary per year	984.8

Condition/Symptom	Av. # Visits *** per Dispensary per year	% Total Visits per Dispensary per year
Worms	13.8	1.4%
Abdominal pain	44.58	4.5
Vomiting and nausea	13.36	1.4
Diarrhea	4.6	4.2
Gastroenteritis	16.0	1.6
Total GI tract related* conditions/symptoms	135.5	13.8
Upper respiratory infec.	83.7	8.5
Pneumonia	5.97	.6
Flu	32.0	3.3
Colds & sore throat	37.35	3.8
Cough	48.47	4.9
Total of all respiratory system related complaints	207.5	21.1
Non-infected wounds	67.25	6.8
Infected wounds	14.1	1.4
Burns	14.9	1.5
Total Accidents	96.25	9.7
Dental related visits	24.4	2.5
MCH related visits	45.0	5.3
Skin Conditions	230.7	23.4
Fish Poisoning	7.14	.7

5009203

• • TABLE III-16 (a)

Ear conditions	23.0	2.3%
Eye conditions	29.7	3.0
Allergy	1.9	.2
Headaches	48.6	4.9
General aches	18.55	1.9
Backaches	18.17	1.8
Arthritis	13.57	1.4
Shortness of breath	5.32	.54
Chest pain	10.3	1.0
Fever	16.45	1.8
Asthma	18.9	1.9

Other conditions	33.1	3.36%
------------------	------	-------

*Figures include visits for amoeba, gastritis and other miscellaneous GI conditions for which incidence was not of sufficient frequency to break down.

** See Appendix for a listing of surveyed dispensaries.

*** Average # of visits per 1,000 population.

5009204

TEN LEADING CAUSES OF DISPENSARY UTILIZATION - 1976-77
MARSHALL DISTRICT.

Diseases	% of all <u>visits</u>	# of visits* per 1000 <u>Population</u>
Skin conditions	23.4%	1096
Respiratory system complaints	20.5	874
Gastrointestinal related	13.8	631
All accidents	9.7	375
MCH related	5.3	200
Headaches	4.9	237
Eye conditions	3.0	116
Dental related	2.5	127
Ear conditions	2.3	116
Asthma	1.9	62

*Based on 21 dispensaries - excludes Laura and Tokewa, Airok and Santos for which no population estimates were available. Based on 1973 census figures.

TABLE III-16 and III-17 (SUPPLEMENT)

Dispensaries surveyed to complete dispensary utilization data found in the Health Status Section. pp. 28 - 46. (Table III-16 and III-17)

Namorik

Mejit

Kaven, Malowlap

Wotje, Wotje

Jebal, Likiep

Ailuk, Ailuk

Ebon, Ebon

Ujae, Juae

Tokewa, Mili

Aur, Aur

Airok, Ailinglaplap

Ujelang, Ujelang

Mae, Namu

Bikini, Bikini

Jabat:

Lib

Santos, Kwajalein

Rongelap

Wotho

Laura

Jabwor, Jaluit

Arno, Arno

Kili Island

Uterik, Uterik

Lae, Lae

5009206

Table III-18

TEN LEADING CAUSES OF INPATIENT VISITS IN EBEYE SUB-HOSPITAL

Cause Group	<u>1974</u>	<u>Number of Discharges</u>
1. Normal Deliveries		273
2. Other and unspecified forms of dysentery		148
3. Symptoms, senility and ill-defined diseases		96
4. Asthma		78
5. Complications of pregnancy, delivery & puerperium		76
6. Amebiasis		74
7. Bronchitis and emphysema		65
8. Infections of skin and subcutaneous tissue		46
9. Gastritis and duodenitis		38
10. Influenza		37

	<u>1975</u>	
1. Normal Deliveries		295
2. Other and unspecified forms of dysentery		162
3. Bronchitis and emphysema		136
4. Symptoms, senility and ill-defined diseases		78
5. Pneumonia		63
6. Complications of pregnancy, delivery & puerperium		57
7. Acute Respiratory Infections		47
8. Asthma		47
9. Other diseases and conditions of eye		43
10. Influenza		42

	<u>1976</u>	
1. Normal Deliveries		291
2. Bronchitis Emphysema		143
3. Other and unspecified forms of dysentery		109
4. Asthma		74
5. Symptoms, senility and ill-defined diseases		68
6. Complications of pregnancy, delivery & puerperium		59
7. Acute Respiratory Infections		50
8. Accidental Poisoning		50
9. Amebiasis		48
10. Pneumonia		46

Source: Monthly Hospital Statistical Report, TT 219 pp. 4.

24. Other diseases of esophagus, stomach and
duodenum (530-534, 536-537)
25. Diseases of ear and mastoid process (380-389)

5	10	18
3	3	5

Child-Birth Related Health Care:

Normal deliveries (650)
Premature births (01-05)
Mature births (06-11)
Birth weight not stated (99)
Total Newborn:

410	395	400
38	52	49
387	347	360
-	-	-
425	403	409

Data represent reporting as of September 1977

5009208

TABLE 111-21

DISTRICT: Ebeye

NUMBER OF HOSPITAL DISCHARGES FOR TWENTY-FIVE
DISEASES AND FOR CHILD-BIRTH RELATED HEALTH CARE.
1974 - 1975 - 1976

	1976	1975	1974
1. Complications of pregnancy, delivery and puerperium (630-639, 640-646, 651-661, 670-678)	59	57	76
2. Gastritis and duodenitis (535)	26	18	38
3. Gastroenteritis and colitis, except ulcerative (561)	9	7	22
4. Symptoms, senility and ill-defined disease (780-797)	68	78	96
5. Non-transport accidents (L887-E929)	29	26	31
6. Pneumonia (480-486)	46	63	31
7. Other and unspecified forms of dysentery (007-009)	109	162	148
8. Bronchitis and emphysema (489-492)	143	136	65
9. Infections of skin and subcutaneous tissue (680-686)	42	31	46
10. Asthma (493)	74	47	78
11. Influenza (470)	17	42	37
12. Other diseases of urinary system (590-599)	28	14	15
13. Amebiasis (006)	48	35	74
14. Arthritis and rheumatism, except rheumatic fever (710-718)	10	3	7
15. Mental disorders (290-319)	8	7	5
Acute respiratory infections (460-465)	50	47	33
16. Diseases of uterus and other female genital organs (620-629)	15	13	18
17. Transport accidents (E807-E841)	18	2	4
18. Injury purposefully inflicted by another person (E968-969)	3	6	-
19. Other diseases of the nervous system (330-333, 340-358)	6	19	8
20. Other helminthiases (120-124, 127-129)	19	2	16
21. Diabetes Mellitus (250)	30	16	17
22. Other diseases of the respiratory system (500-508, 510-519)	1	2	2
23. Hypertensive disease (400-405)	5	3	8
24. Other diseases of esophagus, stomach and duodenum (530-534, 536-537)	13	24	19
25. Diseases of ear and mastoid process (380-389)	7	1	-
Child-Birth Related Health Care:			
Normal deliveries (650)	291	295	273
Premature births (01-05)	28	39	30
Mature births (06-11)	261	262	241
Birth weight not stated (99)	-	-	6
Total Newborn:	289	301	277

Data represents Reporting as of:

5009209

IMMUNIZATION LEVELS - MARSHALL DISTRICT

Table III-22 - TOTAL MARSHALL DISTRICT

		Birth Sample	Have 844's*	All Immunization Completed # %	No Immunizations # %	Partial Immunizations # %	Total Needing Immunizations # %	Total Immunized by Vaccine Type												
Totals 1969-75								DPT # %	Polio # %	Measles # %	Rubella # %	Mumps # %								
Marshall Dist.	7065	11053	2602	23.5	648	5.9	7903	70.6	8451	76.4	4113	37.2	4677	42.3	4261	38.5	3918	35.4	663	6.0
Group A																				
DUD (Majuro Laura, Arno, Miti)		5564	1132	20.3	336	6.0	4166	74.9	4432	79.6	2167	38.9	2347	42.2	1836	33.0	1693	30.4	360	6.5
Group B																				
Ebeye		1694	670	39.5	235	13.9	794	46.9	1024	60.5	899	56.1	920	54.3	745	44.0	690	40.7	169	10.0
Group C																				
All Other Islands.		3795	800	21.1	77	2.0	2918	76.9	2995	78.9	1069	28.2	1437	37.9	1716	45.2	1571	41.4	134	3.5

Source: TTPI Dept. of Health Service, Division of Communicable Disease Control.

Data drawn from a survey conducted in 1975.
(a repeat survey will be performed in 1978)

* The higher number of children having 844's (a permanent Public Health record file) than enumerated in the birth sample (56.4% higher) can be interpreted as one indication of the degree to which births in the Marshalls are unreported to TTPI Dept. of Health Services, Division of Vital Statistics.

5009210

DATE: January 25, 1977

TABLE III-23

SUMMARY OF IMMUNIZATION ASSESSMENT
BIRTH GROUPS: 1969 - 1974

GROUP MEMBERS OF THE PACIFIC ISLANDS

AREAS	DEATHS	HAVE	ALL	NO	PARTIAL	TOTAL	DPT	POLIO	MEASLES	RUBELLA	MMR									
		844's	%	%	%	%	%	%	%	%	%									
Palau	2,255	2,100	1,665	12	423	20	435	21	1,838	88	1,851	88	1,845	68	1,494	71	262	12		
Marshall	3,007	2,957	2,261	76	38	1	650	22	696	24	2,229	75	1,493	50	2,253	76	2,209	75	1,019	34
Papua	4,850	4,234	2,276	54	4	**a	1,954	46	1,958	46	2,826	67	2,874	68	2,599	61	2,347	55	520	22
Yap	1,455	1,531	765	50	73	5	693	45	766	50	1,189	78	1,090	71	1,032	67	921	60	100	7
Truk	5,015	6,838	2,637	39	201	3	4,000	56	4,201	61	3,453	50	3,534	52	4,204	61	4,020	59	507	7
Marshall	5,957	10,145	2,582	25	521	5	7,042	70	7,563	75	3,974	39	4,525	45	4,203	41	3,863	38	617	6
TOTALS	22,572	27,805	12,186	44	849	3	14,770	53	15,619	56	15,505	56	15,357	55	16,130	58	14,851	53	3,025	11

**a - Less than 1%

5009211

Table IV-1
Marshall Islands

HEALTH SERVICES EXPENDITURES - 1976

	Authorized Funds	Revenue	Obligation	Balance
District Hospital/Outer Islands	\$1,088,175	\$3,431.85	\$985,527.74	\$106,139.11
Medical Referral	378,700	-0-	434,496.06	(55,796.06)
Environmental Health	41,675	-0-	37,793.89	3,881.11
Dental Health	119,625	1,417.60	103,779.34	17,263.26
Recruit. Repat. / Home team	8,000	-0-	7,793.52	206.48
Recruit. Repat. / Home team	9,500	-0-	7,250.32	2,249.68

5009212

TABLE IV-1 (a)
MARSHALLS HEALTH EXPENDITURES - 1977

	Authorized	Revenue	Obligations	Balance
Hospital & Dispensaries	\$744,550	\$29,564	\$824,140	(\$50,026)
Medical Referrals	330,000	7.00	646,426	(316,419)
Environmental	23,600	-0-	21,175	1,885
Dental	78,850	2,110	87,354	(6,394)
Medical Supply	202,600	7,489	181,551	(28,538)
TOTAL-----	\$1,379,600	\$39,169	\$1,761,900	(\$349,131)
EBEYE:				
Hospital & Dispensaries	\$191,500	\$29,049	\$187,147	\$33,402
Medical Referrals	100,000	-0-	135,617	-(35,617)
Environmental	2,200	-0-	1,604	596
Dental	6,600	964	5,960	1,604
Medical Supply	43,300	162	41,023	2,439
TOTAL-----	\$343,600	\$30,175	\$371,352	\$2,423

SOURCE: Trust Territory Department of Finance

5009213

TABLE IV-2
HEALTH SERVICES BUDGET - Marshalls

Marshalls Health Budget	1977	1978	1979
	\$1,723	\$1,713	\$1,713

Activity Breakdown:

Hospitals & Dispensaries	\$ 919	\$ 900	\$1,076
Medical Referrals	452	436	440
Environmental Health	21	21	21
Medical Supply	245	270	90
Dental Services	86	86	86

FIVE YEAR PROJECTIONS:

	1979	1980	1981	1982	1983
Hospitals & Dispensaries	\$1,076	\$1,052	\$1,000	\$947	\$841
Medical Referrals	440	423	402	381	338
Environmental Health	21	20	19	18	16
Medical Supply	90	86	82	78	70
Dental Services	86	83	79	75	67
TOTAL BUDGET-----	\$1,713	\$1,661	\$1,579	\$1,496	\$1,327

SOURCE: U.S. Department of Interior Budget Justifications, FY 1979

5009214

TABLE IV-3

1977 FEDERAL PROGRAM GRANTS

	TT Federal Health Grants	Marshall's Allocation
COMPREHENSIVE PUBLIC HEALTH		
Formula Grant	\$384,600	\$50,470
Hypertensive Grant	49,789	-0-
Mental Health	73,300	9,200
Crippled Childrens Services	173,400	-0-
Family Planning	30,000	21,000
Maternal & Child Health	575,300	73,500
Alcohol Grant	77,180	9,670
Disease Control	22,174	3,870
Venereal Disease	22,608	4,060
Immunization (1976)	109,870	19,700
Drug Abuse	29,089	3,600
Emergency Medical Service	67,700	-0-
SHPDA	241,269	-0-
Cancer Detection	158,171	19,950
Environmental Protection	139,000	17,500
Dental Manpower	58,855	4,830
Health Assistant Retraining	117,500	14,800
Water Pollution Control & Public Water Systems Supervisor	318,755	8,300
TOTAL-----	\$2,603,750	\$260,450

SOURCE: Health Services Federal Programs Coordinator


 5009215

TABLE IV-4

STAFFING PATTERN FOR DISTRICT HOSPITAL MAJURO, MARSHALL ISLAND

Units	#Beds	Type of Staff	Number	am	pm	Night	Relief
Administration		District Chief Nurse Clinical Sup. & Assit. District Chief Nurse	1 1 1				
Anesthetist Nurses			1 vacancy				
Shift Supervisor			4	1	1	1	1
Surgery Central Supply Delivery Room Recovery Room	2	Head Nurse Staff Nurse Practical Nurse Health Assistant	1 vacancy 1 vacancy	0 0 2 2			
Surgical Ward	8	Head Nurse Staff Nurse Practical Nurse Health Assistant	1 vacancy 2 vacancies 3 vacancies 1 vacancy	1 0 1 0	1 0 0 1	0 1 0 1	0 1 0 1
Hematologist Room	10	Nurse Specialist Head Nurse Staff Nurse Practical Nurse Health Assistant	1 1 vacancy 1 vacancy 1 vacancy 1 vacancy	1 1 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
Medical A & B	24 & 24	Head Nurse Staff Nurse Practical Nurse Health Assistant	1 vacancy 1 vacancy 1 vacancy 1	0 1 1 1	0 1 1 0	0 0 1 0	1 0 1 0
Obstetrical Ward & 12 Nursery. Cribs--	12 12	Head Nurse Staff Nurse Practical Nurse	1 vacancy 2 vacancies 2 vacancies	0 1 2	1 0 1	0 0 1	1 0 0

5009216

TABLE IV-4 (a)

Pediatric cribs--	2 10	Head Nurse Staff Nurse Practical Nurse Health Assistant	1 vacancy 1 vacancy 3 vacancies 3 vacancies	0 1 1 0	0 0 0 0	0 0 1 0
Rehabilitation Ward	18	Head Nurse Staff Nurse Practical Nurse Health Assistant	1 vacancy 2 vacancies 2 vacancies 1 vacancy	0 0 2 1	0 0 0 1	0 0 0 1
Outpatient & Emergency		Head Nurse Staff Nurse Practical Nurse Health Assistant	1 vacancy 1 vacancy 2 4	0 0 2 2	0 0 0 1	0 0 0 2
Public Health		P.H. Supervisor(1) Field Supervisor (1) Head Nurse (2) Staff Nurse Practical Nurse (10)	3 vacancies 1 vacancy 3 vacancies			
Ambulance driver (2) Ward Clerk (0)						
District Chief Nurse (1) Shift Supervisors (4) Field Supervisor (1) Nurse Specialist (1) Head Nurses (3) Practical Nurses (9) P.H. Practical Nurses (10) Health Assistants (6) Staff Nurse (10) vacancies		Clinical Supervisors (1) Public Health Supervisors (1) Nurse Anesthetist (1) Head Nurses (3) Staff Nurses (6) Health Assistants (13) Practical Nurses (9) Head Nurse (7) vacancies Practical Nurses (12) vacancies				

5009217

TABLE IV-5

Sept. 1977

Name	Title	Date of Birth	Date of Hire	PL	Bi-Weekly	Bi-Annually	Sec. Secs
Peter, Jolita (Mrs.)	Dist. Chief Nurse	02-27-28	07-01-51	21/5	324.64	8,410.64	04-02807
Andriks, Item	Supervisor Nurse	02/29-33	10-7-56	20/4	283.52	7,371.52	04-02809
Levitticus, M111te	Supervisor Nurse	01-27-30	07-1-51	19/4	266.96	6,888.92	04-02811
Helm, Juanita	Supervisor Nurse	07-20-30	02-13-56	19/4	264.92	6,868.92	04-02819
Riklon, Grace	Supervisor Nurse	01-28-27	08-15-55	19/3	247.68	6,435.68	04-20792
Antolok, Cathelina	Supervisor Nurse	03-04-45	12-13-53	19/2	231.44	6,017.44	04-02821
Lejjena, Dakjan	Head Nurse	08-29-30	07-01-51	16/3	202.16	5,255.16	04-02812
Paul, Melata	Head Nurse	03-15-32	11-20-60	16/1	176.56	4,590.56	04-02816
Bingham, Hemiko	Specialized Nurse	06-25-42	10-05-71	16/4	215.32	5,624.32	04-14721
Bellu, Florina	Head Nurse	04-17-47	07-11-71	16/3	202.16	5,256.16	04-20964
Schmidt, Ernest	Head Nurse	03-04-45	12-13-45	16/3	202.16	5,256.16	04-02822
Bien, Christina	Staff Nurse III	01-03-47	09-02-59	14/4	188.96	4,912.96	04-14394
Barau, Rina	Staff Nurse III	02-28-26	09-16-56	14/3	176.56	4,590.56	04-99914
Tikafle, Jordan	Staff Nurse II	05-26-49	09-17-72	13/3	165.04	4,291.04	04-11920
Harris, Ruth	Supervisor PH Nurse	03-25-31	09-17-51	20/5	303.36	7,887.36	04-02808
Arelong, Totha	Supervisor Field Nurse	04-12-35	05-22-55	19/4	246.96	6,888.96	04-03265
Laukon, Chiko	Practical Nurse II	02-22-42	12-13-53	6/7	134.72	3,502.72	04-02829
Tartios, Alcy	Practical Nurse II	11-19-39	12-13-53	6/6	125.92	3,273.92	04-02824
August, Annot	Practical Nurse II	04-24-46	08-73-70	6/5	117.68	3,059.68	04-02839
Heine, Esra	Practical Nurse II	08-24-31	10-17-74	6/8	144.76	3,748.76	04-20701
Elaisa, Neilang	Practical Nurse II	03-14-35	03-10-56	6/5	117.68	3,059.68	04-02861
Lang, Telbin	Practical Nurse II	03-14-35	07-21-65	6/5	117.68	3,059.68	04-02830
Langrine, Helpin	Practical Nurse II	05-18-44	01-23-70	6/4	110.00	2,860.00	04-11983
Klona, Tinar	Practical Nurse II	01-17-45	05-9-65	6/5	125.92	3,273.92	04-02828
Lavin, Cathleen	Head Nurse	12-23-31	12-9-55	16/3	202.16	5,256.16	04-02810
Riklon, Albina	Practical Nurse II	06-09-52	02-6-75	6/2	95.08	2,498.08	04-25248
*Enne, Elizabeth	Practical Nurse II	02-16-47	02-15-75	6/2	96.08	2,498.08	04-05333
Anien, Altina	Practical Nurse I	06-16-53	02-10-75	3/2	78.40	2,038.40	04-31647
Jurelong, Datsy	Practical Nurse I	12-21-45	02-16-75	3/2	78.40	2,038.40	04-02738
Jash, Arbellia	Practical Nurse II	05-08-50	02-16-75	6/2	95.08	2,498.08	04-23634
Abija, Second	Practical Nurse I	02-14-52	10-06-76	2/3	78.40	2,038.40	04-31678
*Bobtak, Berney	Practical Nurse I	06-01-46	02-16-75	3/2	78.40	2,038.40	04-06208
Andrike, Temsa	Practical Nurse I	09-03-53	08-21-75	3/2	78.40	2,038.40	04-25344
Andrike, Stevenson	Practical Nurse I	04-05-54	06-08-75	3/2	78.40	2,038.40	04-20414
Peter, Maggie	Practical Nurse I	03-14-50	06-08-75	3/2	78.40	2,038.40	04-31646
Soaz, James	Practical Nurse I			3/2	75.40	2,038.40	
Cafob, Kary	Head Nurse	02-27-46	06-05-75	16/2	163.96	4,912.96	04-15342

TABLE IV-5 (a)

NAME	Title	Date of Birth	Date of Hire	PL	B-Weekly	P-Annually	Soc. Sec.
Mellian, Mineko	Practical Nurse I	12-03-44	04-16-72	3/2	78.40	2,038.40	04-11982
Michael, Mina	Practical Nurse I	03-01-41	09-02-74	3/2	78.40	2,038.40	04-05312
Aiki, Aimi	Staff Nurse	08-15-47	03-27-77	12/1	134.72	3,502.72	04-02794
Minor, Kathy	Practical Nurse II	07-05-44	05-17-54	6/5	125.92	3,273.92	04-02827

5009219

TABLE IV-6

SUMMARY OF IN-PATIENT SERVICES - MARSHALL DISTRICT

Month	Daily Census			Total Census Days	Occupancy		In- Patients Treated	Disch	Days Care	Av. Length of Stay
	Min.	Max.	Ave.		Hosp. Beds	% of Occup.				
1976 January	59	78	69	2,138	88	78.4	226	163	1577	10
1976 February	55	82	71	2,062	88	80.7	236	165	1431	9
1976 March	55	78	69	2,142	88	78.4	222	170	3639	21
1976 April	53	74	62	1,866	88	70.5	251	194	2741	14
1976 May	55	89	70	2,170	88	79.5	215	137	1643	12
1976 June	72	100	84	2,532	88	95.5	211	152	1554	10
1976 July	90	109	102	3,164	88	115.9	320	222	1628	7
1976 Aug.	105	126	115	3,579	88	130.7	245	172	1589	9
1976 Sept.	102	120	111	3,341	88	126.1	215	157	2108	13
1976 Oct.	106	127	115	3,578	88	130.7	216	144	1840	13
1976 Nov.	52	75	64	1,917	88	72.7	203	146	3273	22
1976 Dec.	54	75	63	1,953	88	71.6	240	183	2504	14
1977 Jan.	45	66	57	1,770	88	64.8	203	138	1037	8
1977 Feb.	55	80	68	1,918	88	77.3	223	168	1560	9

5009220

TABLE IV-7

SUMMARY OF IN-PATIENT SERVICES - EBEYE DISTRICT

Month	Daily Census			Total Census Days	Occupancy		In- Patients Treated	Disch	Days Care	Av. Length of Stay
	Min.	Max.	Ave.		Hosp. Beds	% of Occup.				
1976 January	10	22	16	489	22	72.7	141	123	450	4
1976 February	12	26	20	567	22	90.9	132	114	528	5
1976 March	8	28	17	515	22	77.3	148	140	637	5
1976 April	8	21	13	400	22	59.1	120	104	346	3
1976 May	8	21	15	477	22	68.2	135	125	498	4
1976 June	6	20	15	450	22	68.2	108	89	417	5
1976 July	12	24	19	583	22	86.4	167	148	532	4
1976 Aug.	10	23	18	573	22	81.8	146	124	621	5
1976 Sept.	11	26	19	560	22	86.4	159	141	530	4
1976 Oct.	13	27	20	607	22	90.9	169	152	548	4
1976 Nov.	11	24	18	543	22	81.8	117	103	544	5
1976 Dec.	7	17	12	376	22	54.5	100	88	477	5
1977 Jan.	8	23	17	525	22	77.3	110	92	475	5
1977 Feb.	n/a	-	-	-	n/a	-	-	-	-	-

TABLE IV-8 DATA ON OPERATIONS, MARSHALLS HEALTH SERVICES, 1976-1977

AUGUST, 1977

Local -
General -

Appendectomy (3), Cone Biopsy (4), Hemorrhoid (3), Hernia (1),
Ligation (3).

JULY, 1977

Local - 15
General - 12

Amputation (1), Appendectomy (5), D & C (2), Hemorrhoid (2), Ligation (3).

JUNE, 1977

Local - 10
General - 21

Appendectomy (6), Debridement under anesthesia (6), D & C (5), Hernia (1),
Ligation (2), Thyroidectomy (1).

MAY, 1977

Local - 37
General - 27

Amputation (1), Appendectomy (5), Cone Biopsy (4), Debridement under
anesthesia (7), D & C (4), Hemorrhoid (2), Ligation (4).

APRIL, 1977

Local - 19
General - 10

Amputation (1), C. Section (1), D & C (3), Hemorrhoid (2), Hysterectomy
(2), Ovarian Cyst (1).

MARCH, 1977

Local - 17
General - 12

Appendectomy (2), C. Section (1), D & C (4), Hernia (1), Ligation (2),
Vasectomy (2).

FEBRUARY, 1977

Local - 12
General - 16

Appendectomy (3), Cholecystectomy (1), D & C (2), Hernia (1), Hydrocele
(1), Ligation (6), Lipoma (2).

JANUARY, 1977

Local - 8
General - 12

Appendectomy (3), D & C (2), Fistula (2), Hemorrhoid (2), Inguinal Hernia
(1), Ligation (2).

DECEMBER, 1976

Local - 5
General - 10

Appendectomy (1), D & C (1), Hemorrhoid (1), Hysterectomy (4), Ligation
(2), Ovarian Cyst (1).

5009222

NOVEMBER, 1976

Local - 6
General - 15

Amputation (1), Appendectomy (3), C. Section (2), D & C (2), Exploratory (2), Fistulectomy (3), Ligation (2).

OCTOBER, 1976

Local - 8
General - 10

Appendectomy (1), D & C (1), Hemorrhoid (2), Hysterectomy (4), Ligation (2), Ovarian Cyst (1).

SEPTEMBER, 1976

Local - 13
General - 10

Amputation (1), Appendectomy (3), D & C (1), Hernia (1), Hysterectomy (2), Ligation (1), Thyroidectomy (1).

AUGUST, 1976

Local - 12
General - 26

Amputation (2), Appendectomy (8), C. Section (2), Compound Fracture (1), D & C (5), Hemorrhoid (3), Ligation (5).

JULY, 1976

Local - 7
General - 14

Appendectomy (2), D & C (3), Hemorrhoid (4), Ligation (2), Vasectomy (3).

JUNE, 1976

Local - 15
General - 25

Appendectomy (2), C. Section (1), D & C (5), Hernia (6), Hysterectomy (4), Ligation (4), Thyroidectomy (3).

MAY, 1976

Local - 18
General - 8

Amputation (1), Appendectomy (4), D & C (1), Hernia (1), Ligation (1).

APRIL, 1976

Local - 10
General - 27

Appendectomy (2), C. Section (1), Cholecystectomy (2), Hernia (1), Hysterectomy (1), Ligation (14), Thyroidectomy (3).

MARCH, 1976

Local - 40
General - 12

Appendectomy (3), C. Section (1), D & C (1), Hernia (2), Ligation (5).

FEBRUARY, 1976

Local - 14
General - 23

Amputation (BK) (3), Appendectomy (5), Cystotomy (3), D & C (2), Hernia (4), Ligation (5).

JANUARY, 1976

Local - 15
General - 25

Appendectomy (5), C. Section (2), D & C (5), Hernia (3), Hysterectomy (2), Kidney (2), Thyroidectomy (1), Thyroid Ligation (4).

5009223

TABLE IV-9

SUMMARY OF T.T. REFERRALS BY SERVICES

Jan.-Aug. 1977

I. REFERRALS BY SERVICE				Percent by District				Percent to Hospital				Sex		Age		
	No. Cases	% of Total	Paleu	Yap	M. H.	Truk	Ponape	Marsn.	GUAMC	Mid.	Queens	Other	Male	Fem.	Ave.	Mean
Medicine																
Cardiology	27	10.5	7(25.9)	1(3.7)	9(33.3)	5(18.5)	0	5(18.5)	14(51.8)	8(29.6)	5(18.5)	0	44%	55%	29	25
Gastrointestinal	27	10.5	1(3.7)	1(3.7)	13(48)	5(18.5)	6(22.2)	5(18.5)	22(81)	3(11)	0	2(7)	62%	37%	39	39
Endocrine	11	4.3	1(9.1)	0	2(18)	4(36.4)	0	4(36.4)	2(18.2)	9(81.8)	0	0	9%	91%	45	52
Pulmonary	5	2.3	2(33.3)	2(16.6)	1(16.6)	2(16.6)	1(16.6)	0	5(83.3)	0	1(16.6)	0	50%	50%	38	25
Surgery	22	8.6	5(22.7)	1(4.5)	8(36.4)	3(13.6)	1(4.5)	4(18.2)	6(27.3)	8(36.4)	6(27.3)	2(9.1)	31%	68%	34	32
Orthopedics	31	12.1	2(6.45)	7(22.6)	10(32.3)	2(6.4)	2(6.5)	8(25.8)	17(54.8)	11(35.5)	0	3(9.6)	55%	45%	26	21
Neurology	25	9.8	5(20)	6(24)	10(40)	1(4.0)	1(4)	2(8)	22(88)	2(8)	1(4)	0	60%	40%	23	24
Urology (Inc. Renal)	28	10.9	6(21.4)	1(3.6)	9(3.2)	0	5(17.5)	7(25)	9(32)	11(39)	2(7.1)	6(21)	36%	64%	33	30
ENT	23	9.0	2(8.6)	2(8.6)	11(48)	4(17.4)	2(8.6)	2(8.6)	13(56.5)	7(30)	0	3(13)	70%	30%	22	21
Ophthalmology	17	6.6	2(11.7)	3(17.6)	10(58.8)	2(11.8)	0	0	17(100)	0	0	0	65%	35%	23	13
Dermatology	11	9.3	0	2(18.2)	7(63.6)	1(9.1)	1(9.1)	0	11(100)	0	0	0	64%	36%	30	27
Pediatrics	8	3.1	0	0	3(37.2)	2(25)	1(12.5)	2(25)	5(62.5)	3(37.5)	0	0	13%	87%	2	2
OB/Gyn.	14	5.5	0	3(21)	3(21)	1(7.1)	2(14.3)	5(35.7)	6(42.8)	7(50)	0	1(7.1)	0%	100%	41	45
I.C.U.	8	3.1	0	0	8(100)	0	0	0	8(100)	0	0	0	75%	25%	51	58
II. OTHER SPECIFIC CONDITIONS																
Carcinomas	34	13.2	3(8.8)	2(5.8)	4(11.7)	9(26.5)	5(14.7)	11(32.4)	8(24)	23(67)	1(2.9)	2(5.9)	32%	68%	37	42
Cardiovascular Diseases	28	10.9	7(25)	3(10.7)	8(28.5)	5(17.8)	0	5(17.8)	13(46)	8(28)	7(25)	0	46%	54%	32	38
Injuries & Trauma	18	7.0	2(11.1)	1(5.5)	9(50)	2(11.1)	3(16.6)	1(5.5)	12(66.6)	5(27.7)	0	1(5.5)	72%	28%	20	21
Burn	3	1.2	1(33.3)	1(33.3)	1(33.3)	0	0	0	100	0	0	0	67%	33%	18	16

Source: TTPI Office of Health Planning

5009224

IV-13

Reference Hospital - ...

YEAR 1977

Includes

DISEASE OR CONDITION	AGE	SEX	PLACE OF REFERRAL	PATIENT COST		ATTENDANT COST		TOTAL TRAVEL COST	MEDICAL COSTS	TOTAL COSTS
				TRAVEL	TRAVEL	TRAVEL	TRAVEL			
Laryngeal Tumor	49	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Ca. of Liver	55	M	Tr pter	1,539.00		513.00		1,539.00	1,870.00	3,409.00
Ca. of Cervix	43	F	St. Del	783.00				783.00	1,870.00	2,653.00
Head Inj. V.	22	M	Tr pter	3,740.00		2,944.60		5,784.60	1,023.00	6,807.60
Cyst It. Renal Pelvis	46	M	Tr pter	783.00				783.00	1,870.00	2,653.00
Obst. Urinary Blad.	20	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Ventricular Septal Defect	5	F	Tr pter	255.00		1,423.00		1,398.00	1,870.00	3,268.00
Valv. Stunt.	1	M	Tr pter			1,039.00		1,039.00	1,870.00	2,909.00
Vascular Lesion.	33	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Kidney	31	F	Tr pter	1,801.00		709.00		2,510.00	1,870.00	4,380.00
Early Uremia	29	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Kidney Destruction	31	M	Tr pter	783.00				783.00	1,870.00	2,653.00
Adeno-Carcinoma	43	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Ca. Cervix	46	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Rheumatic h. Disease	46	M	Tr pter	783.00				783.00	1,870.00	2,653.00
Complicated Hemip.	32	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Cyto. Problem Leg.	29	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Pharynx	60	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Breast Tumor	30	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Urology for Plastic	37	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Ca. Spine	60	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Breast Tumor	30	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Internal Uterine	38	F	Tr pter	299.00				299.00	1,870.00	2,169.00
Harmonage	30	F	Tr pter	513.00				513.00	1,870.00	2,383.00
Common Duct Obstruct.	45	F	Tr pter	299.00		879.00		1,178.00	1,870.00	3,048.00
Extensive Ulcer foot	57	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Cervic Invasive	45	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Keratizing Cell Ca.	57	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Undetermined	9	M	Tr pter	340.10		1,423.10		1,763.20	1,870.00	3,633.20
Gyn. Prostetic-fitting	9	M	Tr pter	340.10		1,423.10		1,763.20	1,870.00	3,633.20
Supp.	70	F	Tr pter	783.00				783.00	1,870.00	2,653.00
Invasive Squamous cel	35	F	Tr pter	563.00		923.00		1,486.00	1,870.00	3,356.00
Ca. of Cervix	2 pos.	F	Tr pter	923.00				923.00	1,870.00	2,793.00
Fistula in Vagina		F	Tr pter						1,870.00	1,870.00
Cyanotic Heart Dis.		F	Tr pter						1,870.00	1,870.00

5009225

DISTRICT CENTER TO TOWNSHIP 0 LAIDE DISTRICT

DISTRICT Matzholts
YEAR 1976

DENT	TOTAL	MEDICAL	TOTAL
TRAVEL	COSTS	COSTS	
KNOT			
553.00	5,610.00	5,173.00	
563.00	5,610.00	6,173.00	
1,676.00	5,610.00	7,266.00	
563.00	5,610.00	5,173.00	
1,712.00	5,610.00	7,322.00	
1,223.00	5,610.00	6,833.00	
803.00	5,610.00	6,413.00	
803.00	1,870.00	2,673.00	
923.00	5,340.00	6,263.00	
1,779.00	5,340.00	7,119.00	
653.00	3,740.00	4,393.00	
2,324.00	3,740.00	6,064.00	
563.00	5,610.00	6,173.00	

5009226

OUTLAYS - IT-WIDE MEDICAL REFERRALS

ACTIVITY	FY 75	FY 76	FY 77	FY 78
H.Q.	\$797,273	\$97,770	\$85,369	\$100,000
<u>Marianas</u>		<u>316,868</u>	<u>307,973</u>	<u>225,000</u>
Palau		89,939	160,742	80,000
Yap		<u>94,217</u>	<u>129,458</u>	<u>75,000</u>
Truk		115,782	<u>267,002</u>	<u>110,000</u>
<u>Ponape</u>		<u>324,082</u>	<u>175,737</u>	<u>100,000</u>
Kosrae		-0-	17,576	-0-
Marshalls		<u>434,496</u>	<u>684,819</u>	<u>435,900</u>
TOTAL----	\$797,273	<u>1,473,154</u>	<u>1,828,676</u>	<u>1,125,900</u>

1. FY 75 medical referral funds were centralized at Headquarters.
2. Kosrae included
3. Allotments according to FY 78 budget.

5009227

TABLE IV-15
DISPENSARY FACILITIES INVENTORY - MARSHALLS DISTRICT - July 1977

Location of Dispensary (Island or Municipality)	Construct. Funded By:	Construct. Material	Date of Construct.	Typhoon Proof?	# of Inpt. Beds	Floor Space for Beds	Type of Communc. System	# of Health A. Offs.				
Mejit	Nitijala	Concrete	1974	X	3	16x24	SSB	1				
Ulrik	Local Council	Loc. Mater.	1949		2	24x24	SSB	1				
Atluk	Comm. Develop.	Concrete	1972	X	3	36x36	SSB	1				
Enjelar	Local Council	Loc. Mater.	1970		0		None	1				
Likiep	Local Council	Wood frame	1946		2	24x24	SSB	1				
Jebal	Nitijala	Concrete	1970	X	2	24x24	SSB	1				
Likial (Proposed)												
Kotje*	Congress/Micro	Concrete	1973	X	6	72x72	SSB		X			
Ormej	Congress/Micro	Aluminum	1974		1	12x12	None	1				
Hibun	Local Council	Loc. Mater.	1975	X	0		None		X			
Kaben	Comm. Develop.	Concrete	1970	X	4	36x36	SSB	1				
Jang	Comm. Develop.	Concrete	1970	X	4	36x36	None	1				
Molot	Comm. Develop.	Concrete	1970	X	4	36x36	None	1				
Torwa	Japanese Govt.	Concrete	1935		0		SSB	1				
Aitok	Local Council	Loc. Mater.	1961	X	3	20x12	SSB	1				
Aur	Nitijala	Concrete	1970	X	3	36x36	None	1				
Toba	Local Council	Loc. Mater.	1971	X	1	12x20	SSB	1				
Laura	Local Council	Loc. Mater.	1945		3	16x20	SSB	1				
Rongrong	Hill Burton	Aluminum	1977	X	1	12x16	SSB		X			
Ajelake	Hill Burton	Aluminum	1977	X	1	12x16	None		X			
Arno	TT Government	Aluminum	1971	X	2	20x24	SSB	1				
Ulien	Hill Burton		1977		1	12x16	None		X			
Bikarej	Local Council	Loc. Mater.	1968		0		None	1				
Tutu	Local Council	Loc. Mater.	1968	X	0		None	1				
Langar	Local Council	Loc. Mater.	1970	X	0		None	1				
Malel	Local Council	Loc. Mater.	1976		0		SSB	1				
Ine	TT Government	Aluminum	1970	X	0		SSB	1				
Miti	Local Council	Loc. Mater.	1962	X	1	12x16	SSB	1				
Maliu	Local Council	Loc. Mater.	1973		1	12x20	None	1				
Tokewa	Local Council	Loc. Mater.	1974	X	1	12x12	None	1				
Lukunwor	Local Council	Loc. Mater.	1961	X	1	12x12	None	1	X			

*Has 1 dental chair & has 1 X-ray

Burroughs
Form 1012 Feb - Form 6511 Green

5009228

TABLE IV-15 (continued)
DISPENSARY FACILITIES INVENTORY - MARSHALLS DISTRICT - July 1977

Location of Dispensary (Island or Municipality)	Construction Funded By:	Construction Material	Date of Construction	Typhoon Proof?	# of Inpt. Beds	Floor - Space for Beds	Type of Communic. System	# of Health A. Offs*			
1 Enjeet	Comm. Develop.	Concrete	1972	X	4	32x48	SSB	1			
2 Jaluit	Local Council	Loc. Mater.	1960	X	0		None	1			
3 Mejunok	Local Council	Loc. Mater.	1968	X	0		None	1			
4 Naamri	Local Council	Loc. Mater.	1965	X	0		None	1			
5 Mejatto	Local Council	Loc. Mater.	1971	X	1	8x12	None	1			
6 Imurel	Local Council	Loc. Mater.	1976	X	1	8x12	SSB	1			
7 Imeej	Local Council	Loc. Mater.	1972	X	0		None	1			
8 Jabwor*	Cong. Bess/Hicto.	Concrete	1970	X	6	72x72	SSB	1	Has electric power, dental		
9 Kiti	Local Council	Wood	1973	X	1	12x16	SSB	1	Chair, 1 Medex		
10 Namorik	Comm. Develop.	Concrete	1974	X	3	12x12	SSB	1			
11 Ebor*	Local Council	Wood	1945	X	3	36x36	SSB	1	Has 1 Medex		
12 Tolca	Comm. Develop.	Loc. Mater.	1973	X	3	36x36	SSB	1			
13 Enkeion	Local Council	Wood	1974	X	0		None	1	X		
14 Jah	Local Council	Wood	1956	X	3	24x24	SSB	1			
15 Airok*	Comm. Develop.	Wood	1973	X	3	36x36	SSB	1	Has 1 Medex		
16 Buoj	Comm. Develop.	Wood	1974	X	2	24x24	None	1			
17 Moja	Local Council	Loc. Mater.	1973	X	0		SSB	1			
18 Aenkan (Proposed)											
19 Jobat	Local Council	Wood	1971	X	1	12x12	SSB	1			
20 Namu	Local Council	Wood	1967	X	3	36x36	SSB	1			
21 Malion*	Comm. Develop.	Concrete	1965	X	3	36x36	SSB	1	Has 1 Medex		
22 Mae	Comm. Develop.	Concrete	1965	X	3	36x36	SSB	1			
23 Lip	Local Council	Wood	1960	X	1	12x16	SSB	1			
24 Sadio	Local Council	Wood	1967	X	1	4x12	None	1			
25 Ebaton	Local Council	Loc. Mater.	1972	X	1	4x12	SSB	1			
26 Uiae	Comm. Develop.	Concrete	1974	X	4	36x48	SSB	1			
27 Lae	Comm. Develop.	Concrete	1974	X	2	12x12	SSB	1			
28 Otto	Comm. Develop.	Wood	1973	X	1	12x12	SSB	1			
29 Bikini*	Local Council	Wood	1970	X	1	12x12	SSB	1	Has electric power		
30 Ronglap	A.E.C.	Wood	1958	X	4	36x48	SSB	1			
31 Ujlang	M.C.A.A.	Wood	1973	X	1	12x12	SSB	1			
32 Jebitan	Local Council	Wood	1977	X	1	12x16	SSB	1			

5009229

TABLE IV-16

Marshall's

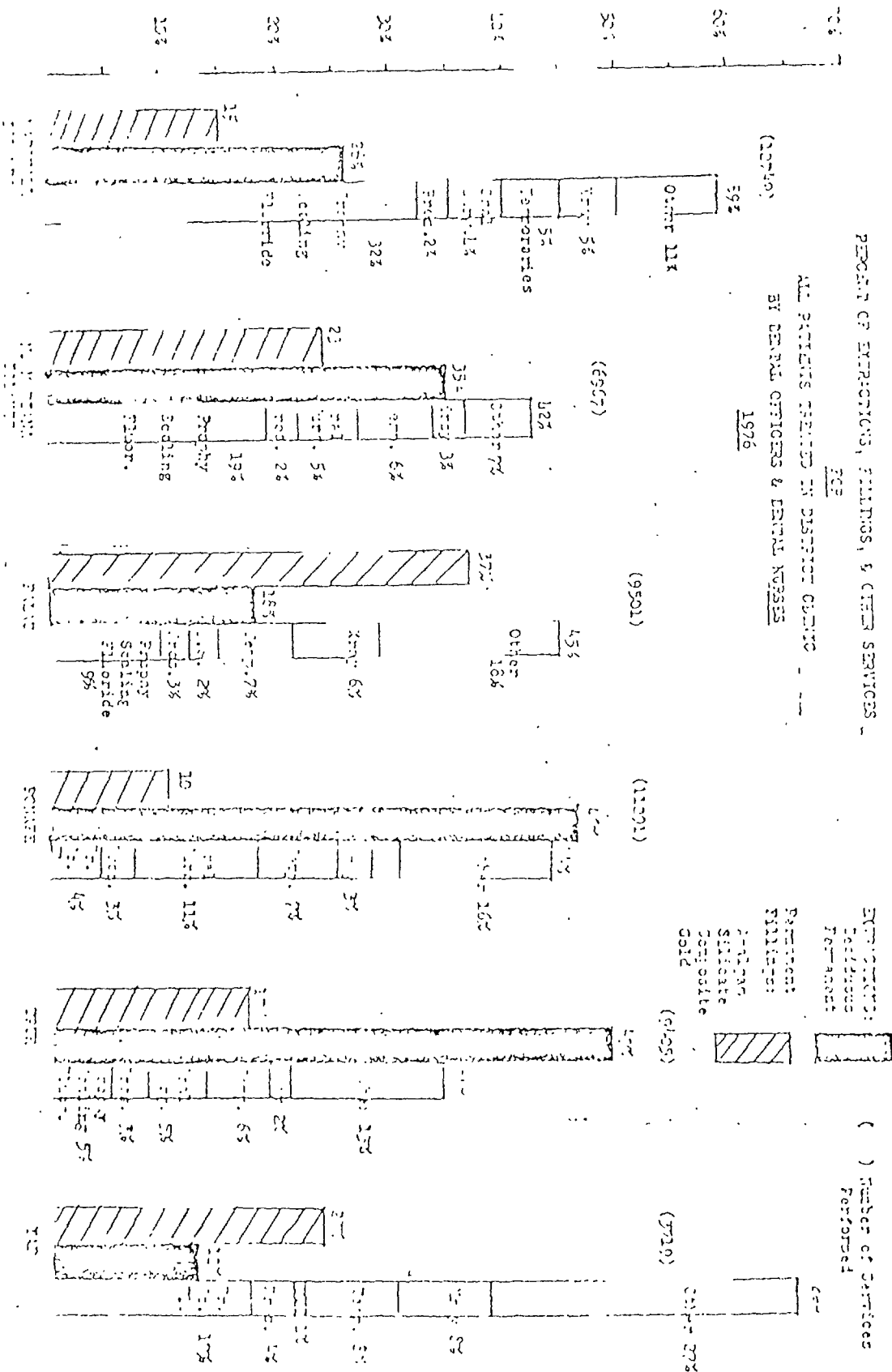
Health Manpower Inventory

Title	Salary Range	Personal Data		Educational Background-Medical		Personnel Only		Source of Funding (Fed/TT)	Duty Station
		Date of Birth	Sex	Citizenship (Fed/US/TCN)	When Trained (Trained)	Degrees	Licenses		
Chief Dist. Dental Services	15707.38	8/26/27	M	X	Guern/Fij	47-51	Certificate	X	TT Majuro
Dental Officer II	13718.64	5/17/27	M	X	Guern/Fij	48-52	Certificate	X	TT Majuro
Dental Officer II	12821.12	5/12/30	M	X	"	49-54	Certificate	X	TT Majuro
Dental Officer II	12821.12	3/25/33	M	X	"	49-54	Certificate	X	TT Ebeye
Dental Nurse II	4291.04	11/19/45	F	X	Majuro	62-64		X	TT Majuro
Dental Nurse II	4291.04	10/24/45	F	X	Majuro	62-64		X	TT Majuro
Dental Nurse II	3273.92	7/28/49	M	X	Pajau	72-74	Diploma		TT Majuro
Dental Nurse II	3273.92		M	X	Pajau	74-76	Diploma		Ceta Ebeye
Dental Assistant			M	X	Ebeye				MCH Ebeye
Dental Lab Technician	4291.04	2/24/25	M	X	Guern, USN			X	TT Majuro
Dental Lab Technician	4291.04	5/8/27	M	X	Guern, USN			X	TT Majuro

5009230

TABLE IV-17

PERCENT OF EXTRACTIONS, FILLINGS, & OTHER SERVICES
BY DENTAL OFFICERS & DENTAL NURSES
1976



5009231

TABLE IV-17 (a)

Marshall Islands
January - June 1974

		DENTAL CLINIC			FIELD			
		0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	Total
Patient Visits								
1st visit*		54	504	<u>1,201</u>	8	85	240	<u>2,092</u>
Return visit		3	104	<u>789</u>		12	56	<u>964</u>
Total receiving care	a+b	57	608	1,990	8	97	296	3,056
1st visit*		40	131	<u>306</u>		1	5	<u>483</u>
Return visit		3	14	125			7	149
Total examined only	d+e	43	145	431		1	12	632
Total visits	c+f	100	753	2,421	8	98	308	3,688
Patients with all defects corrected			8	95				103

*First time seen by dentist during Fiscal Year.

Services							
Amalgam, one surface		33	129	1	4	3	170
Amalgam, two or more surfaces		25	160			10	195
Cement base	2	52	260	1	5	13	333
Temporary filling	9	26	80		1	5	121
Silicate		17	76			2	95
Prophylaxis	7	33	51			12	103
Scaling		5	59				64
Fluoride treatment	9	47					56
Extraction, deciduous	30	152	7	7	13	1	210
Extraction, simple permanent	1	267	967		53	169	1,457
Extraction, impaction		1	10				11
Extraction, alveolectomy		2	17			1	20
Extraction, residual roots		28	142		9	39	218
Gold inlay		1	6		1	2	10
Gold crown		1	6		2	2	11
Stainless steel crown							
Gold, fixed bridge		2	24		2	5	33
Denture, full			33			2	35
Denture, partial			12			1	13
Denture rebase			19			1	20
Denture repair			59			14	73
Root canal			1				1
Pulp capping							
X-ray	1	69	261			7	338
Other operation (specify)	11	73	359		10	39	492

5009232

TABLE IV-17 (b)

Manila District
July-December 1974

DENTAL CLINIC				FIELD			Total
0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	0-5 Yrs.	6-17 Yrs.	18 Yrs & Over		
Patient Visits							
1st visit*	124	515	1,296	40	108	194	2,277
Return visit	30	222	1,173	1	-	6	1,432
Total receiving care	a+b	154	737	41	108	200	3,709
1st visit*	51	44	271	-	-	-	366
Return visit	1	9	84	-	-	-	94
Total examined only	d+e	52	53	-	-	-	460
Total visits	c+f	206	790	41	108	200	4,169
Patients with all defects corrected	12	28	84	-	-	20	144

*First time seen by dentist during Fiscal Year.

Services							
Amalgam, one surface	4	106	260	-	-	-	370
Amalgam, two or more surfaces	5	36	297	-	-	-	338
Cement base	3	111	435	-	-	-	549
Temporary filling	48	90	99	29	-	2	268
Silicate	1	17	106	-	-	-	124
Prophylaxis	84	52	111	-	-	37	284
Scaling	1	16	153	8	1	-	179
Fluoride treatment	94	74	1	37	-	37	243
Extraction, deciduous	25	159	60	2	49	-	295
Extraction, simple permanent	1	208	874	-	48	174	1,305
Extraction, impaction	-	1	5	-	-	-	6
Extraction, alveolectomy	-	-	6	-	-	-	6
Extraction, residual roots	-	22	129	-	4	46	201
Gold inlay	-	1	5	-	-	-	6
Gold crown	-	1	7	-	-	-	8
Stainless steel crown	-	-	1	-	-	-	1
Gold, fixed bridge	-	1	12	-	-	-	13
Denture, full	-	-	47	-	-	-	47
Denture, partial	-	-	10	-	-	-	10
Denture rebase	-	-	19	-	-	-	19
Denture repair	-	-	72	-	-	-	72
Root canal	-	5	6	-	-	-	11
Pulp capping	-	8	15	-	-	-	23
X-ray	5	66	327	-	-	-	398
Other operation (specify)	3	134	630	-	-	-	773

5009233

TABLE IV-17 (c)

July - December 1975

	DENTAL CLINIC			FIELD			Total
	0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	
Patient Visits							
1st visit*	42	618	1,024	3	187	218	2,092
Return visit	14	209	1,104				1,327
Total receiving care	a+b	56	827	3	187	218	3,419
1st visit*	4	34	148	4	3	2	195
Return visit		14	38				52
Total examined only	d+e	4	48		7	2	247
Total visits	c+f	60	875	7	190	220	3,666
Patients with all defects corrected		13	76				89

*First time seen by dentist during Fiscal Year.

<u>Services</u>							
Amalgam, one surface		78	169				247
Amalgam, two or more surfaces		47	179				226
Cement base	2	109	298				409
Temporary filling	12	63	89				164
Salivate	2	12	94				108
Prophylaxis	7	182	71				260
Sealing	2	11	88				101
Fluoride treatment	6	175	11		93		285
Extraction, deciduous	42	169	4	3	29		247
Extraction, simple permanent		232	800		47	285	1,364
Extraction, impaction		6	10				16
Extraction, alveolectomy		7	30				37
Extraction, residual roots		39	224			22	285
Gold inlay		1	5				6
Gold crown		2	10				12
Stainless steel crown							
Gold, fixed bridge		2	10				12
Denture, full			30				30
Denture, partial			17				17
Denture rebase			28				28
Denture repair		2	86				88
Root canal		2	12				14
Tooth capping	3	4	12				19
X-ray		62	267				329
Other operation (specify)	5	78	448				531

5009234

TABLE IV-17 (d)

Malnutrition Disease,
January - June 1976

DENTAL CLINIC				FIELD			Total	
0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	0-5 Yrs.	6-17 Yrs.	18 Yrs & Over			
Patient Visits								
1st visit*	218	882	937	5	101	209	2,352	
Return visit	15	219	1,218				1,452	
Total receiving care	a+b	233	1,101	2,155	5	101	209	3,804
1st visit*	6	362	120		18	4	510	
Return visit		13	77				90	
Total examined only	d+e	6	375	197	18	4	600	
Total visits	c+f	239	1,476	2,352	5	119	213	4,404
Patients with all defects corrected			18				18	

*First time seen by dentist during Fiscal Year.

Services							
Amalgam, one surface	2	182	115				299
Amalgam, two or more surfaces		49	203				252
Cement base	3	220	261				484
Temporary filling	13	79	115				207
Silicate		16	91				107
Prophylaxis	185	642	152				979
Scaling		7	99				106
Fluoride treatment	186	640	71				897
Extraction, deciduous	34	227	8	5	65		339
Extraction, simple permanent	2	284	940		43	207	1,476
Extraction, impaction		2	12				14
Extraction, alveolectomy		3	10				13
Extraction, residual roots		28	162		16	47	253
Gold inlay			2				2
Gold crown			2				2
Stainless steel crown							
Gold, fixed bridge		1	4				5
Denture, full			17				17
Denture, partial			5				5
Denture rebase			15				15
Denture repair		1	61				62
Root canal		2	7				9
Pulp capping		3	15				18
X-ray	2	89	284				375
Other operation (specify)	5	72	436				513

5009235

TABLE IV-17 (e)

Marshall Islands
July - September 1976

		DENTAL CLINIC			FIELD			Total
		0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	
Patient Visits								
1st visit*		30	373	698	2	30	45	1,178
Return visit		11	347	748			15	1,121
Total receiving care	a+b	41	720	1,446	2	30	60	2,299
1st visit*			169	44	4	37	7	261
Return visit		1	2	7				10
Total examined only	d+e	1	171	51	4	37	7	271
Total visits	c+f	42	891	1,497	6	67	67	2,570
Patients with all defects corrected			63	23				86
*First time seen by dentist during Fiscal Year.								
Services								
Amalgam, one surface			271	75			2	348
Amalgam, two or more surfaces	2		43	156		1	7	209
Cement base	4		311	190		1	9	515
Temporary filling	10		131	69			3	213
Silicate			204	103			10	317
Prophylaxis	6		118	106				230
Scaling	1		13	99			3	116
Fluoride treatment	7		121	1				129
Extraction, deciduous	24		233	23	2	15	11	308
Extraction, simple permanent			234	523		16	42	815
Extraction, impaction			1	8				9
Extraction, alveolectomy				6			1	7
Extraction, residual roots			19	93		3	2	117
Gold inlay				1			2	3
Gold crown		3		11				14
Stainless steel crown			149					149
Gold, fixed bridge		2		23				25
Denture, full				17				17
Denture, partial				9			1	10
Denture rebase				11				11
Denture repair			1	51				52
Root canal			7	20		1		28
Pulp capping	1		6	25				32
X-ray			51	136		1	2	190
Other operation (specify)	4		110	297			2	413

5009236

TABLE IV-17 (f)

Marshall Islands
October - December 1976

	DENTAL CLINIC			FIELD			
	0-5 Yrs.	6-17 Yrs.	18 Yrs. & Over	0-5 Yrs.	6-17 Yrs.	18 Yrs & Over	Total
Patient Visits							
1st visit*	86	520	403	1	12	36	1,058
Return visit	9	326	740			3	1,078
Total receiving care a+b	95	846	1,143	1	12	39	2,136
1st visit*	2	567	78				647
Return visit		6	28				34
Total examined only d+e	2	573	106				681
Total visits c+f	97	1,419	1,249	1	12	39	2,817
Patients with all defects corrected	26	185	24				235
*First time seen by dentist during Fiscal Year.							
Services							
Amalgam, one surface		106	46			2	154
Amalgam, two or more surfaces		27	133			4	164
Cement base		111	154				265
Temporary filling	9	161	60				230
Silicate		5	53			1	59
Prophylaxis	71	350	49				470
Scaling		13	65				78
Fluoride treatment	71	350					421
Extraction, deciduous	18	195		1	5		219
Extraction, simple permanent		137	458		7	18	620
Extraction, impaction			2			3	5
Extraction, alveolectomy			2				2
Extraction, residual roots		13	66			3	82
Gold inlay							
Gold crown			5				5
Stainless steel crown		3					3
Gold, fixed bridge			3				3
Denture, full			18			2	20
Denture, partial			18				18
Denture rebase			12				12
Denture repair			46			2	48
Root canal			10				10
Pulp capping		2	11				13
X-ray	1	10	99			3	113
Other operation (specify)	1	21	250			1	273

5009237

TABLE IV-18

PERCENT OF EXTRACTIONS, FILINGS, & OTHER SERVICES

FOR

ALL PATIENTS TREATED IN DISTRICT CLINIC
BY DENTAL NURSES (1976)

EXTRACTIONS:

Exodontia
Retention

FILINGS:

Composite
Culicite
Composites

(2227)

6-8
Other 11%

(8467) 8%

52%

Other 3%

7-11 6%

(1691) 7-11, 8%

Area 7%

100% 2%

42%

40%

10%

40%
Exodontia
Retention
Fluoride

40%
Exodontia
Retention
Fluoride

Key 11%

20%

25%

10%

8%

5009238

TABLE IV-19

PERCENT OF EXTRACTIONS, FILLINGS, & OTHER SERVICES

FOR

ALL PATIENTS TREATED IN DISTRICT CLINIC

BY DENTAL OFFICERS 1976

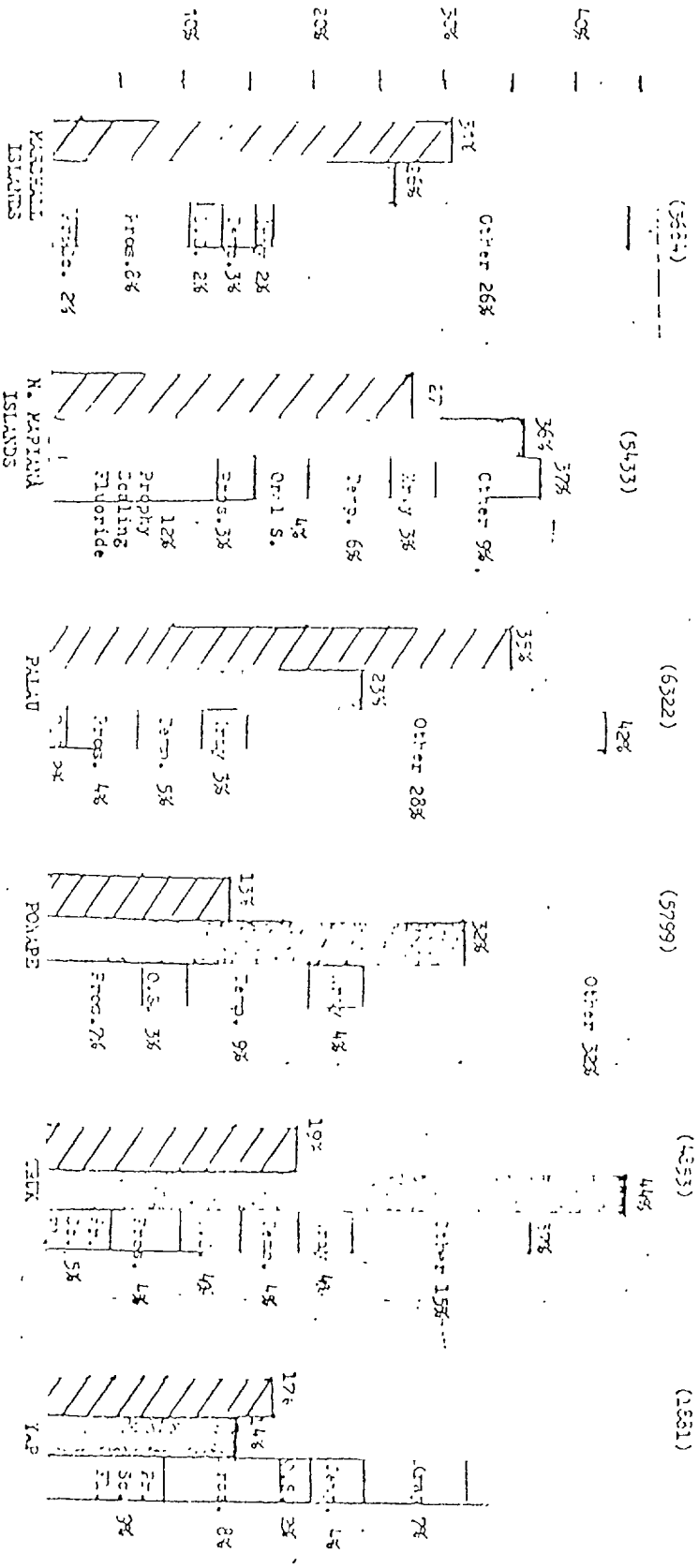
EXTRACTIONS:
Deciduous
Permanent

59%

FILLINGS:

Amalgam
Silicate
Gold: Inlay, Crowns
Bridges
Stainless Steel Cr.

Other 39%



5009239

TABLE IV-21 : the following six pages are excerpts from Public Health reports.

5009241