

FSM STATISTICAL YEARBOOK 1999

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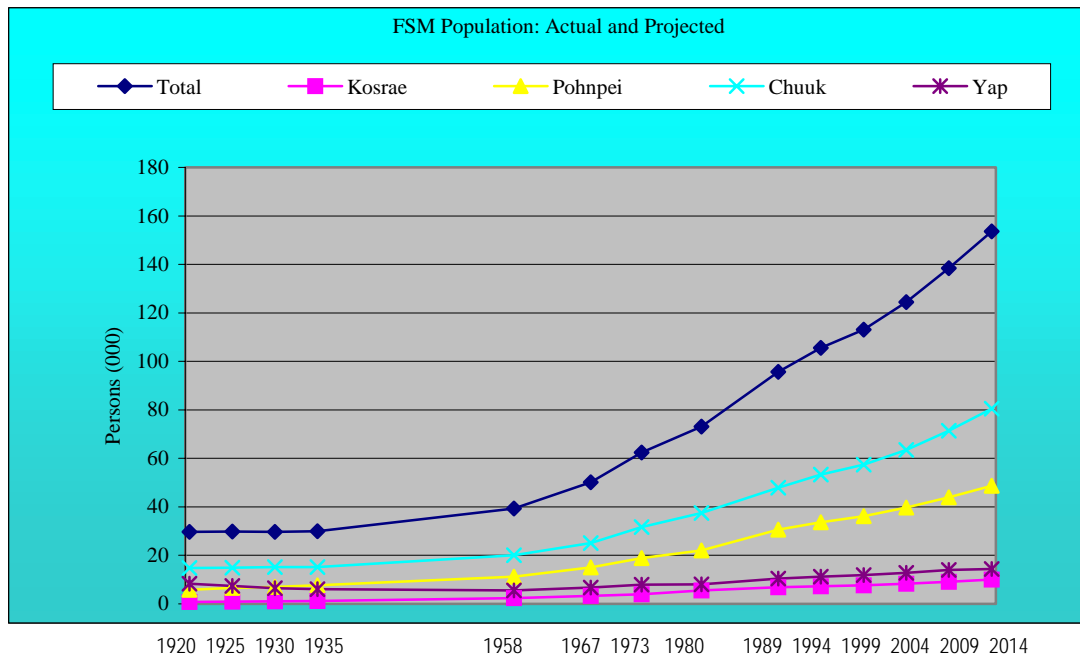
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Chapter 1: Summary of Population

As shown in graph 1, the Population of the FSM increased from about 63,000 in 1973 to over 105,000 in 1994. Though the population is growing in volume, the rate at which it is growing had declined from 3 percent (between 1980 and 1989) to 1.9 (between 1989 and 1994) annually. The population increased in all the states, but at different levels. Between 1989 and 1994, the annual growth rate for each of the four states was 2.2 percent for Chuuk, 1.9 for Pohnpei, 1.4 for Kosrae, and 1.5 for Yap.

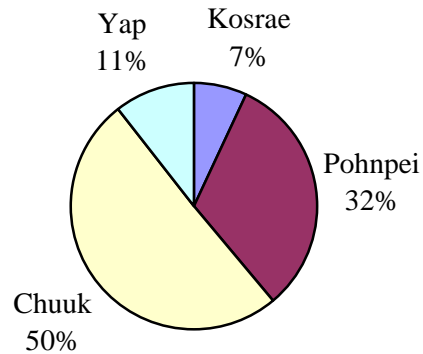
Graph 1: Population: Actual and Projected



As shown below in Graph 2, over half of FSM's population in 1994 is in the state of Chuuk, about 31 percent in Pohnpei, 11 percent in Yap, and 7 percent in Kosrae. The proportional distribution of the population by state shifted only slightly since 1973.

Graph 2: Population Distribution

1994 Population Distribution

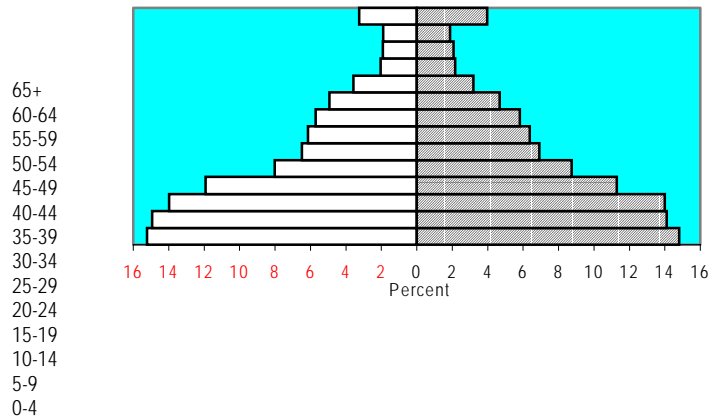


The median age in 1994 was 17.8 (an increase of 1 year since 1973) indicating a relatively young population. In all the years reported, females have slightly higher median age than males. In 1994, the median age varied by state. In Yap and Kosrae, the median age was about 19 years, about 18 years for Chuuk, and 17 years for Pohnpei. The sex ratio in 1994 was 105. Kosrae has the highest sex ratio of 108, while Yap has the lowest at 99. Both Chuuk and Pohnpei had a sex ratio of about 105.

About 97 percent of the 1994 population were FSM-born, with the rest born outside. Of the non-FSM born, 54 percent were born in Asia, of which 65 percent were male. When comparing by age group, the percentage distribution of the FSM-born was more in the younger age groups (0-19) while the non-FSM born persons were most likely to be in the 20 to 39 years category.

Graph 3: Age-Sex Structure

1994 Age-sex structure
(percent of total population)



In 1994, the combined FSM ethnic groups made the largest ethnic group in the federation. Similar to the population distribution by state, the largest ethnic group was Chuukese (about 50 percent), followed by Pohnpei (with 25 percent), Yap Proper and Outer Islands (with 10 percent) and Kosrae at 6 percent. Of the non-FSM ethnic groups, 51 percent were residing in Pohnpei.

About 53 percent of persons aged 15 years and over were reported as married in 1998, a slight increase from 52 percent in 1994. When comparing the difference by sex, the proportion of males are higher in the never married and married categories while the proportion of females are higher in the separated, widowed and divorced categories.

The overall population density increased from 232 persons per square mile in 1973 to 390 persons per square mile in 1994. Chuuk had the highest population density of 1,084 persons per square mile. However, when comparing the density in the state centers, Kolonia had the highest density of 11,483 per square mile. The average density of the combined center areas was 1,582.

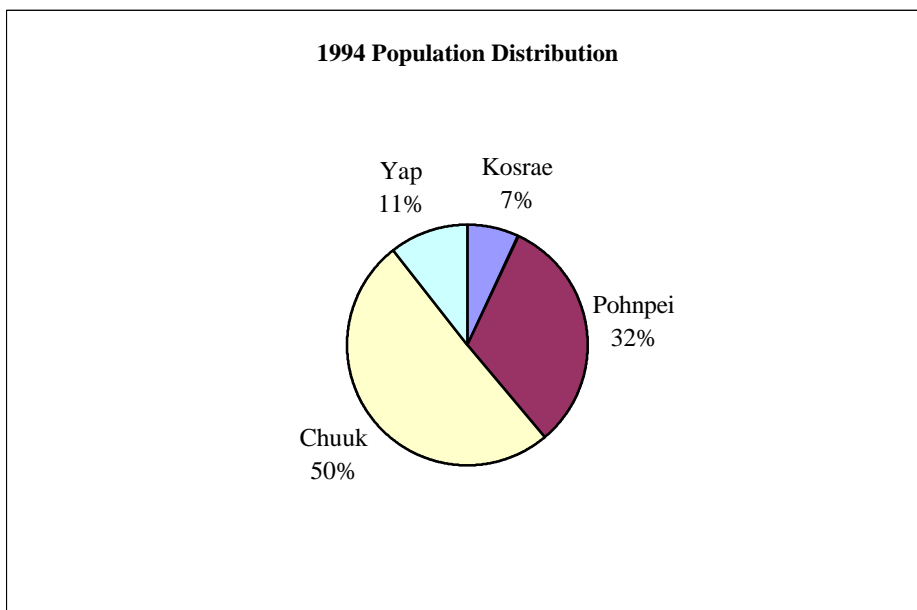
The population of the FSM is projected to reach 154,000 in the upcoming two decades (year 2014) after the 1994 census. The corresponding population in the states will be 81,000 in Chuuk, 49,000 in Pohnpei, 14,000 in Yap, and 10,000 in Kosrae.

Table 1.1. Population by State: 1920 to 1994

Census year	Number					Percent				
	Total	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
1920	29,660	786	5,748	14,788	8,338	100.0	2.7	19.4	49.9	28.1
1925	29,810	886	6,597	14,961	7,366	100.0	3.0	22.1	50.2	24.7
1930	29,727	990	7,051	15,200	6,486	100.0	3.3	23.7	51.1	21.8
1935	29,920	1,189	7,596	15,129	6,006	100.0	4.0	25.4	50.6	20.1
1958	39,289	2,367	11,258	20,124	5,540	100.0	6.0	28.7	51.2	14.1
1967	50,172	3,260	15,044	25,107	6,761	100.0	6.5	30.0	50.0	13.5
1973	62,357	3,952	18,926	31,609	7,870	100.0	6.3	30.4	50.7	12.6
1980	73,159	5,491	22,080	37,488	8,100	100.0	7.5	30.2	51.2	11.1
1989 ¹	95,740	6,835	30,669	47,871	10,365	100.0	7.1	32.0	50.0	10.8
1994	105,506	7,317	33,692	53,319	11,178	100.0	6.9	31.9	50.5	10.6

Note: ¹ The 1989 population was an interpolation from the mid 1980 censuses, except for Chuuk. Population data for 1920 to 1935 are for Pacific Islanders only.

Sources: Nan'yo-cho (1927, 1931, 1937); Office of the Census Coordinator (1975); Office of the High Commissioner (1959); School of Public Health (n.d.); US Bureau of the Census (1972, 1983a); Office of Planning and Budget, Yap (1992a, 1988, 1989); 1994 FSM Census.



Census year

Census year	Total	Kosrae	Pohnpei	Chuuk	Yap
1920	30	1	6	15	8
1925	30	1	7	15	7
1930	30	1	7	15	6
1935	30	1	8	15	6
1958	39	2	11	20	6
1967	50	3	15	25	7
1973	62	4	19	32	8
1980	73	5	22	37	8
1989	96	7	31	48	10
1994	106	7	34	53	11
1999	113	8	36	57	12
2004	124	8	40	64	13
2009	138	9	44	71	14
2014	154	10	49	81	14

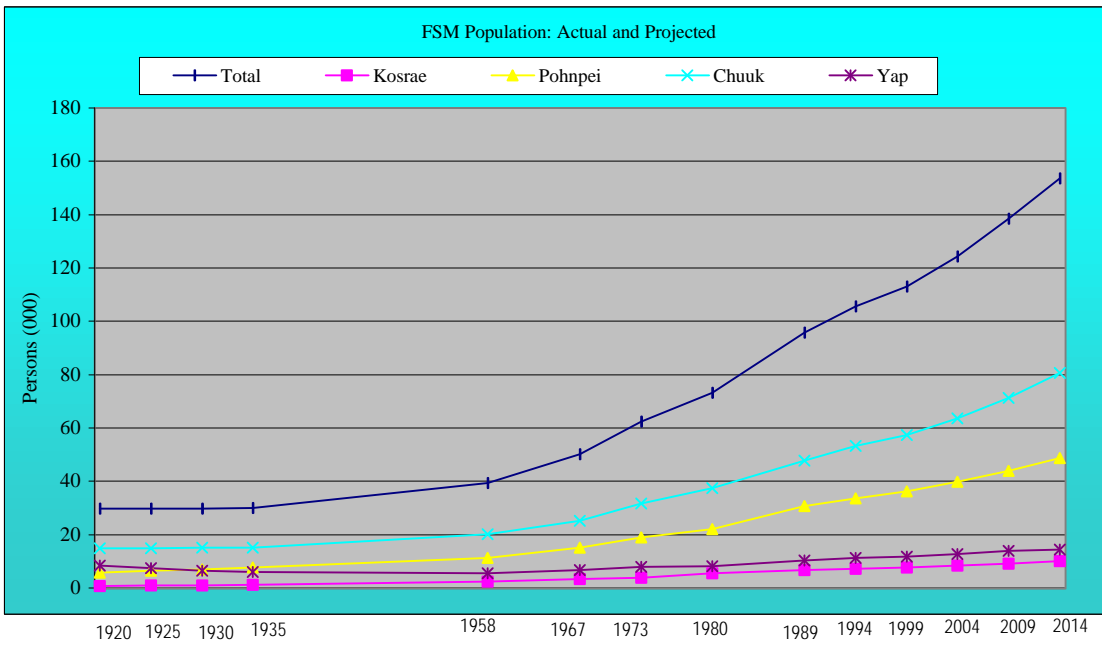


Table 1.2. FSM Resident Population by State and Region: 1973 to 1994

State and Region	Number				Percent				Annual Intercensal Growth		
	1994	1989 ¹	1980	1973	1994	1989	1980	1973	1989 to 1994	1980 to 1989	1973 to 1980
	Total	105,506	95,740	73,161	62,731	100.0	100.0	100.0	100.0	1.9	3.0	2.2
Kosrae	7,317	6,835	5,492	3,989	6.9	7.1	7.5	6.4	1.4	2.4	4.6
Lelu	2,404	2,506	1,993	1,385	2.3	2.6	2.7	2.2	-0.8	2.5	5.2
Malem	1,430	1,401	1,093	788	1.4	1.5	1.5	1.3	0.4	2.8	4.7
Utwe	1,056	1,113	912	698	1.0	1.2	1.2	1.1	-1.1	2.2	3.8
Tafunsak	2,427	1,816	1,494	1,118	2.3	1.9	2.0	1.8	5.8	2.2	4.1
Pohnpei	33,692	30,669	22,081	19,263	31.9	32.0	30.2	30.7	1.9	3.7	2.0
Madolenihmw	4,951	4,642	3,376	2,627	4.7	4.8	4.6	4.2	1.3	3.5	3.6
U	3,001	2,768	1,851	1,837	2.8	2.9	2.5	2.9	1.6	4.5	0.1
Nett	5,977	4,350	2,226	2,357	5.7	4.5	3.0	3.8	6.4	7.4	-0.8
Sokehs	5,773	5,399	3,632	3,216	5.5	5.6	5.0	5.1	1.3	4.4	1.7
Kitti	5,178	4,265	3,401	2,427	4.9	4.5	4.6	3.9	3.9	2.5	4.8
Kolonia	6,660	6,599	5,549	4,795	6.3	6.9	7.6	7.6	0.2	1.9	2.1
Outer Islands	2,152	2,645	2,046	2,004	2.0	2.8	2.8	3.2	-4.1	2.9	0.3
Chuuk ²	53,319	47,871	37,488	31,609	50.5	50.0	51.2	50.4	2.2	2.7	2.4
Northern Namoneas	17,093	15,622	10,351	9,568	16.2	16.3	14.1	15.3	1.8	4.6	1.1
Southern Namoneas	11,898	11,455	9,146	7,371	11.3	12.0	12.5	11.8	0.8	2.5	3.1
Faichuk	12,671	11,264	8,831	7,277	12.0	11.8	12.1	11.6	2.4	2.7	2.8
Mortlocks	6,471	5,904	5,941	4,689	6.1	6.2	8.1	7.5	1.8	-0.1	3.4
Halls, Pattiw and Weito	5,186	3,626	3,219	2,665	4.9	3.8	4.4	4.2	7.2	1.3	2.7
Yap	11,178	10,365	8,100	7,870	10.6	10.8	11.1	12.5	1.5	2.7	0.4
Yap Proper	6,919	6,799	5,196	5,140	8.1	8.1	7.1	8.2	0.3	3.0	0.2
Yap Outer Islands	4,259	3,566	2,904	2,730	4.0	3.7	4.0	4.4	3.6	2.3	0.9

Note: ¹ Except for Chuuk the 1989 figures are interpolations based on the mid 1980 state censuses.

² In 1973 the regions may not add up to the total because of the inclusion of "not stated" cases in the total.

Sources: Census for respective years.

Table 1.3. Resident Population by Five Year Age Group and Sex, FSM: 1973 to 1994

	Total				Male				Female			
	1994	1989 ¹	1980	1973	1994	1989	1980	1973	1994	1989	1980	1973
Total	105,506	95,740	73,159	62,088	53,923	48,551	37,396	32,128	51,583	47,189	35,763	30,229
0-4	15,854	16,037	13,075	11,301	8,211	8,341	6,833	5,874	7,643	7,696	6,242	5,427
5-9	15,330	15,198	11,283	9,445	8,051	7,873	5,859	4,940	7,279	7,325	5,424	4,505
10-14	14,749	12,972	9,584	8,264	7,534	6,741	5,011	4,336	7,215	6,231	4,573	3,928
15-19	12,251	10,376	7,732	6,965	6,431	5,288	3,946	3,593	5,820	5,088	3,786	3,372
20-24	8,828	7,418	6,443	5,086	4,321	3,593	3,142	2,525	4,507	3,825	3,301	2,561
25-29	7,063	6,713	5,456	3,523	3,496	3,251	2,718	1,813	3,567	3,463	2,738	1,710
30-34	6,598	5,993	4,158	2,608	3,311	2,953	2,174	1,317	3,287	3,039	1,984	1,291
35-39	6,079	5,151	2,637	2,788	3,077	2,627	1,316	1,389	3,002	2,524	1,321	1,399
40-44	5,071	3,582	2,418	2,504	2,661	1,839	1,170	1,326	2,410	1,744	1,248	1,178
45-49	3,579	2,521	2,408	2,102	1,930	1,262	1,227	1,047	1,649	1,259	1,181	1,055
50-54	2,219	2,324	1,985	2,174	1,101	1,130	977	1,055	1,118	1,194	1,008	1,119
55-59	2,105	2,123	1,821	1,526	1,033	1,056	905	787	1,072	1,068	916	739
60-64	1,985	1,818	1,568	1,448	1,018	894	809	765	967	924	759	683
65+	3,795	3,513	2,591	2,354	1,748	1,704	1,309	1,198	2,047	1,809	1,282	1,156
Median Age	17.8	17.5	16.7	16.5	17.5	16.3	16.3	16.3	18.1	17.3	17.2	16.8

Source: 1994 FSM Census

Note: ¹ The 1989 population was an interpolation based on the mid 1980 state censuses and the 1994 FSM census.

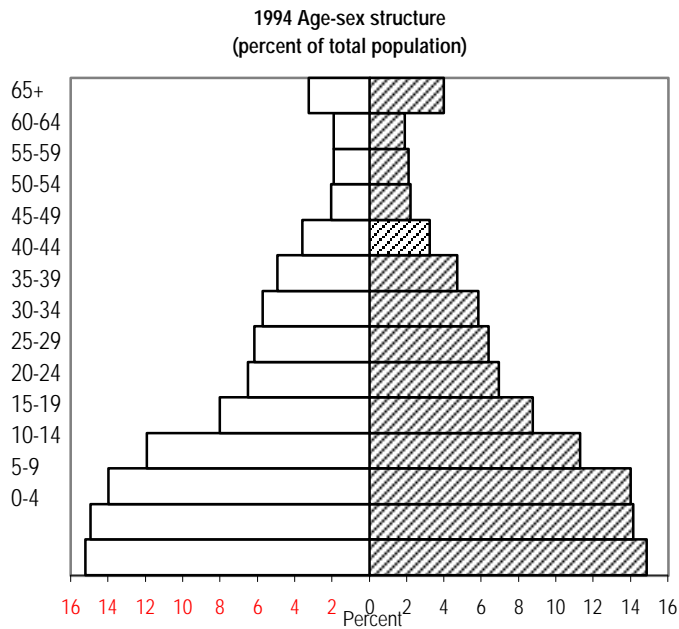


Table 1.4. Population by Five Year Age Group and State of Residence, FSM: 1994

	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	105,506	7,317	33,692	53,319	11,178
0-4	15,854	922	5,016	8,440	1,476
5-9	15,330	1,078	4,695	8,100	1,457
10-14	14,749	1,066	4,481	7,711	1,491
15-19	12,251	780	4,156	6,063	1,252
20-24	8,828	535	2,905	4,452	936
25-29	7,063	524	2,307	3,471	761
30-34	6,598	483	2,176	3,171	768
35-39	6,079	471	1,986	2,858	764
40-44	5,071	376	1,622	2,454	619
45-49	3,579	318	1,081	1,764	416
50-54	2,219	204	766	990	259
55-59	2,105	179	648	1,028	250
60-64	1,985	149	645	943	248
65+	3,795	232	1,208	1,874	481
Median Age	17.8	19.7	17.0	18.2	18.8

Source: 1994 FSM Census

Table 1.5. Males by Five Year Age Group and State of Residence, FSM: 1994

	Total	Kosrae	Pohnpei	Chuuk	Yap
Male	53,923	3,806	17,253	27,299	5,565
0-4	8,211	462	2,588	4,388	773
5-9	8,051	572	2,471	4,269	739
10-14	7,534	540	2,240	3,955	799
15-19	6,431	386	2,208	3,208	629
20-24	4,321	274	1,434	2,238	375
25-29	3,496	276	1,122	1,763	335
30-34	3,311	279	1,089	1,566	377
35-39	3,077	244	1,017	1,432	384
40-44	2,661	198	875	1,257	331
45-49	1,930	191	584	917	238
50-54	1,101	100	384	495	122
55-59	1,033	86	334	495	118
60-64	1,018	83	324	495	116
65+	1,748	115	583	821	229
Median Age	17.5	18.7	16.6	18.0	19.3

Source: 1994 FSM Census

Table 1.6. Females by Five Year Age Group and State of Residence, FSM: 1994

	Total	Kosrae	Pohnpei	Chuuk	Yap
Female	51,583	3,511	16,439	26,020	5,613
0-4	7,643	460	2,428	4,052	703
5-9	7,279	506	2,224	3,831	718
10-14	7,215	526	2,241	3,756	692
15-19	5,820	394	1,948	2,855	623
20-24	4,507	261	1,471	2,214	561
25-29	3,567	248	1,185	1,708	426
30-34	3,287	204	1,087	1,605	391
35-39	3,002	227	969	1,426	380
40-44	2,410	178	747	1,197	288
45-49	1,649	127	497	847	178
50-54	1,118	104	382	495	137
55-59	1,072	93	314	533	132
60-64	967	66	321	448	132
65+	2,047	117	625	1,053	252
Median Age	18.1	20.6	17.4	18.4	18.3

Source: 1994 FSM Census

Table 1.7. Population by Birthplace and State of Residence, FSM: 1994

Birthplace	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	105,506	7,317	33,692	53,319	11,178
FSM	102,116	6,818	32,306	52,571	10,421
Kosrae	6,970	6,633	314	18	5
Pohnpei	31,595	159	31,233	170	33
Chuuk	53,012	20	588	52,347	57
Yap	10,539	6	171	36	10,326
Outside	3,390	499	1,386	748	757
Asia	1,837	320	566	489	462
USA	920	78	491	212	139
Other Pacific Islands	480	84	229	40	127
Elsewhere	153	17	100	7	29
Male	53,923	3,806	17,253	27,299	5,565
FSM	51,719	3,410	16,378	26,696	5,235
Kosrae	3,482	3,318	147	13	4
Pohnpei	16,027	82	15,833	95	17
Chuuk	26,891	7	292	26,562	30
Yap	5,319	3	106	26	5,184
Outside	2,204	396	875	603	330
Asia	1,353	302	420	454	177
USA	519	50	277	118	74
Other Pacific Islands	244	33	119	29	63
Elsewhere	88	11	59	2	16
Female	51,583	3,511	16,439	26,020	5,613
FSM	50,397	3,408	15,928	25,875	5,186
Kosrae	3,488	3,315	167	5	1
Pohnpei	15,568	77	15,400	75	16
Chuuk	26,121	13	296	25,785	27
Yap	5,220	3	65	10	5,142
Outside	1,186	103	511	145	427
Asia	484	18	146	35	285
USA	401	28	214	94	65
Other Pacific Islands	236	51	110	11	64
Elsewhere	65	6	41	5	13

Source: 1994 FSM Census

Table 1.8. Population by Age Group and Place of Birth, FSM: 1994

Age group	Total	In the FSM	Outside the FSM				
			Total	Asia	United States	Other Pac. Islands	Else- where
Total	105,506	102,116	3,390	1,837	920	480	153
0-4	15,854	15,617	237	18	186	24	9
5-9	15,330	15,131	199	26	123	37	13
10-14	14,749	14,557	192	26	110	49	7
15-19	12,251	12,029	222	66	76	77	3
20-24	8,828	8,401	427	301	61	57	8
25-29	7,063	6,685	378	274	46	41	17
30-34	6,598	6,204	394	292	47	30	25
35-39	6,079	5,685	394	265	64	41	24
40-44	5,071	4,761	310	211	57	29	13
45-49	3,579	3,323	256	158	54	32	12
50-54	2,219	2,062	157	96	32	20	9
55-59	2,105	1,995	110	61	22	19	8
60-64	1,985	1,927	58	26	25	6	1
65+	3,795	3,739	56	17	17	18	4

Source: 1994 FSM Census

Table 1.9. Citizenship and Year of Entry by State, FSM: 1994

Citizenship & Year entered	Total	State			
		Kosrae	Pohnpei	Chuuk	Yap
Total	105,506	7,317	33,692	53,319	11,178
FSM	102,762	6,907	32,570	52,698	10,587
Non-FSM	2,744	410	1,122	621	591
1990-1994	1,807	326	759	201	521
1985-1989	700	49	220	389	42
1980-1984	86	8	60	6	12
1975-1979	50	2	37	2	9
Before 1975	101	25	46	23	7

Source: 1994 FSM Census

Table 1.10. Population by Legal Residence and State of Residence, FSM: 1994

Legal Residence	Total	State			
		Kosrae	Pohnpei	Chuuk	Yap
Total	105,506	7,317	33,692	53,319	11,178
Legal residents (18+ yrs)	51,852	3,691	17,008	25,180	5,973
FSM	49,513	3,306	16,116	24,645	5,446
Kosrae	3,511	3,279	217	6	9
Lelu	1,206	1,109	94	1	2
Malem	718	663	51	2	2
Utwe	561	518	36	2	5
Tafunsak	1,026	989	36	1	-
Pohnpei ¹	15,572	19	15,503	35	15
Election District 1	5,988	16	5,951	15	6
Election District 2	4,416	2	4,399	10	5
Election District 3	5,168	1	5,153	10	4
Chuuk	24,898	3	270	24,593	32
Northern Namoneas	5,021	3	94	4,920	4
Southern Namoneas	5,916	-	43	5,866	7
Faichuk	6,257	-	25	6,228	4
Mortlocks	4,930	-	83	4,840	7
Halls, Pattiw and Weito	2,774	-	25	2,739	10
Yap	5,532	5	126	11	5,390
Yap Proper	2,970	5	57	5	2,903
Outer Islands	2,562	-	69	6	2,487
Outside FSM	2,339	385	892	535	527
Residents less than 18 years	53,654	3,626	16,684	28,139	5,205

Note: ¹ Municipalities in Election Districts are as follows: 1=Kolonia, Sokehs, Sapwuahfik, Nukuoro and Kapingamarangi; 2=Nett, U, Mwoakilloa and Pingelap; 3=Madolenihmw and Kitti.

Source: 1994 FSM Census.

Table 1.11. Ethnicity by State of Residence, FSM: 1994

Ethnic Group	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	105,506	7,317	33,692	53,319	11,178
Kosraean	6,682	6,285	368	16	13
Polynesian ¹	1,611	3	1,596	8	4
Pohnpeian	25,904	77	25,737	68	22
Chuukese/Mortlockese	52,197	10	1,326	50,802	59
Yap Outer Is.	4,849	-	103	40	4,706
Yapese	5,515	4	102	31	5,378
Other Pacific Is.	355	28	154	37	136
Asian	1,914	338	572	509	495
White	537	59	355	52	71
Others	5,942	513	3,379	1,756	294

Note: ¹ Kapingamarangian and Nukuoroan are included with the Polynesian category.

Source: 1994 FSM Census

Table 1.12. Marital Status by State of Residence, FSM: 1994 and 1998

Marital Status	Number		Percent change 1994-1998	Percent	
	1998	1994		1998	1994
Total 15+ years	64,861	59,573	8.9	100.0	100.0
Never married	25,390	22,604	12.3	39.1	37.9
Married	34,322	32,164	6.7	52.9	54.0
Separated	912	1,005	-9.3	1.4	1.7
Widowed	3,221	2,777	16.0	5.0	4.7
Divorced	1,016	1,023	-0.7	1.6	1.7
Males 15+ years	31,499	30,127	4.6	100.0	100.0
Never married	13,165	12,403	6.1	41.8	41.2
Married	17,052	16,362	4.2	54.1	54.3
Separated	400	379	5.5	1.3	1.3
Widowed	601	599	0.3	1.9	2.0
Divorced	281	384	-26.8	0.9	1.3
Females 15+ years	33,362	29,446	13.3	100.0	100.0
Never married	12,225	10,201	19.8	36.6	34.6
Married	17,270	15,802	9.3	51.8	53.7
Separated	512	626	-18.2	1.5	2.1
Widowed	2,620	2,178	20.3	7.9	7.4
Divorced	735	639	15.0	2.2	2.2

Sources: 1994 FSM Census; 1997 Labor Force Survey; 1998 Household Income and Expenditure Survey

Table 1.13. Population Density by State and Center: 1973 to 1994

State and Center	Land area in square mile	Persons per square mile		
		1994	1980	1973
Total	270.6	390	270	232
Centers	17.1	1,582	1,132	1,015
Kosrae	42.3	173	130	94
Lelu	8.3	290	240	167
Pohnpei	133.3	253	166	145
Kolonia	0.6	11,483	9,567	8,267
Chuuk	49.2	1,084	762	642
Weno	7.3	2,211	1,420	1,312
Yap	45.8	244	177	172
Colonia	0.9	2,005	1,568	1,720

Sources: Chuuk State Statistical Yearbook for 1998; 1994 FSM Census Report; Vegetation Survey of Yap, 1976.

Table 1.14. Total Population Estimates & Projections by Age Group, FSM: 1995 to 2014

Year	Total	Age group													
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
1995	107,041	15,932	15,312	14,789	12,503	9,216	7,171	6,599	6,158	5,274	3,849	2,365	2,052	1,978	3,843
1996	108,564	15,939	15,320	14,831	12,748	9,593	7,328	6,569	6,220	5,454	4,119	2,570	1,998	1,965	3,910
1997	110,073	15,882	15,333	14,875	13,029	9,912	7,537	6,535	6,267	5,603	4,385	2,822	1,960	1,941	3,992
1998	111,536	15,774	15,320	14,939	13,333	10,178	7,774	6,525	6,293	5,728	4,632	3,096	1,965	1,912	4,067
1999	113,032	15,643	15,262	15,023	13,632	10,431	8,013	6,569	6,292	5,833	4,860	3,373	2,037	1,883	4,181
2000	115,045	15,796	15,274	15,019	13,853	10,946	8,366	6,711	6,295	5,917	5,064	3,637	2,177	1,837	4,153
2001	117,257	16,059	15,240	15,037	14,055	11,474	8,724	6,908	6,282	6,002	5,241	3,902	2,373	1,781	4,179
2002	119,551	16,361	15,235	15,049	14,187	11,952	9,115	7,148	6,273	6,061	5,398	4,163	2,621	1,747	4,241
2003	121,942	16,706	15,240	15,066	14,307	12,349	9,535	7,424	6,298	6,098	5,533	4,413	2,886	1,760	4,327
2004	124,408	17,077	15,276	15,074	14,423	12,654	9,968	7,724	6,378	6,113	5,646	4,645	3,157	1,844	4,429
2005	127,131	17,575	15,434	15,044	14,528	13,043	10,460	8,077	6,517	6,121	5,738	4,841	3,402	1,969	4,382
2006	129,892	17,982	15,690	15,012	14,601	13,350	10,972	8,459	6,715	6,110	5,815	5,016	3,658	2,156	4,356
2007	132,701	18,299	16,041	14,996	14,657	13,579	11,483	8,864	6,962	6,112	5,874	5,174	3,910	2,385	4,365
2008	135,558	18,542	16,441	15,032	14,703	13,750	11,956	9,297	7,250	6,144	5,919	5,310	4,153	2,630	4,431
2009	138,454	18,749	16,816	15,154	14,737	13,880	12,361	9,757	7,572	6,236	5,949	5,427	4,376	2,881	4,559
2010	141,475	19,056	17,191	15,353	14,750	14,053	12,729	10,250	7,919	6,375	5,951	5,515	4,562	3,105	4,666
2011	144,567	19,352	17,556	15,631	14,743	14,193	13,029	10,770	8,298	6,573	5,945	5,590	4,727	3,342	4,818
2012	147,739	19,644	17,903	15,978	14,748	14,300	13,277	11,287	8,706	6,821	5,949	5,652	4,879	3,576	5,019
2013	150,981	19,941	18,231	16,352	14,810	14,369	13,488	11,767	9,145	7,112	5,986	5,701	5,014	3,803	5,262
2014	154,292	20,244	18,548	16,720	14,955	14,416	13,667	12,188	9,614	7,431	6,081	5,731	5,133	4,017	5,547

Note: Estimates and projections based on the 1994 census and assumes a decline in fertility and migration, and improvement in mortality.

Source: FSM Department of Economic Affairs, Statistic Unit.

Table 1.15. Population Estimates & Projections for Females by Age Group, FSM: 1995 to 2014

Year	Total	Age group													
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
1995	52,409	7,740	7,254	7,227	5,962	4,656	3,654	3,305	3,056	2,528	1,774	1,168	1,050	972	2,063
1996	53,212	7,778	7,267	7,205	6,137	4,765	3,773	3,307	3,099	2,641	1,911	1,240	1,026	978	2,085
1997	54,001	7,763	7,310	7,161	6,348	4,835	3,914	3,307	3,134	2,740	2,051	1,333	1,008	976	2,121
1998	54,762	7,704	7,352	7,130	6,553	4,902	4,046	3,325	3,161	2,827	2,187	1,443	1,004	972	2,156
1999	55,528	7,626	7,368	7,134	6,718	5,005	4,150	3,375	3,171	2,904	2,319	1,559	1,027	968	2,204
2000	56,546	7,695	7,400	7,133	6,809	5,261	4,279	3,472	3,188	2,958	2,441	1,686	1,079	949	2,196
2001	57,668	7,811	7,412	7,157	6,856	5,571	4,381	3,603	3,193	3,012	2,554	1,816	1,150	929	2,223
2002	58,817	7,958	7,421	7,201	6,848	5,872	4,486	3,753	3,204	3,049	2,656	1,956	1,242	914	2,257
2003	60,013	8,132	7,429	7,248	6,845	6,118	4,624	3,902	3,236	3,076	2,745	2,095	1,348	914	2,301
2004	61,251	8,325	7,455	7,283	6,869	6,281	4,806	4,033	3,297	3,091	2,820	2,228	1,469	944	2,350
2005	62,598	8,556	7,537	7,292	6,913	6,449	5,053	4,160	3,392	3,113	2,880	2,345	1,585	988	2,335
2006	63,962	8,750	7,663	7,296	6,966	6,541	5,350	4,269	3,522	3,120	2,928	2,455	1,716	1,057	2,329
2007	65,353	8,906	7,831	7,302	7,028	6,578	5,665	4,378	3,672	3,135	2,965	2,558	1,852	1,144	2,339
2008	66,771	9,029	8,020	7,330	7,087	6,599	5,945	4,522	3,823	3,166	2,996	2,648	1,987	1,245	2,374
2009	68,214	9,137	8,199	7,397	7,134	6,630	6,154	4,718	3,964	3,232	3,021	2,724	2,114	1,357	2,433
2010	69,706	9,288	8,379	7,498	7,163	6,701	6,311	4,964	4,087	3,326	3,035	2,783	2,227	1,468	2,476
2011	71,236	9,434	8,555	7,634	7,178	6,785	6,399	5,263	4,196	3,456	3,044	2,830	2,333	1,592	2,537
2012	72,804	9,576	8,724	7,801	7,194	6,871	6,444	5,578	4,308	3,606	3,060	2,868	2,433	1,719	2,622
2013	74,408	9,719	8,885	7,979	7,234	6,941	6,483	5,860	4,455	3,759	3,094	2,900	2,522	1,846	2,731
2014	76,046	9,865	9,040	8,155	7,310	6,992	6,537	6,075	4,655	3,898	3,162	2,925	2,598	1,970	2,864

Note: Estimates and projections based on the 1994 census and assumed a decline in fertility and migration, and improvement in mortality.

Source: FSM Department of Economic Affairs, Statistic Unit.

Table 1.16. Population Estimates & Projections by State, FSM: 1995 to 2014

Year	Total	Kosrae	Pohnpei	Chuuk	Yap
1995	107,041	7,375	34,203	54,144	11,319
1996	108,564	7,442	34,703	54,963	11,456
1997	110,073	7,520	35,194	55,770	11,589
1998	111,536	7,594	35,676	56,546	11,720
1999	113,032	7,691	36,146	57,339	11,856
2000	115,045	7,797	36,762	58,459	12,027
2001	117,257	7,968	37,433	59,644	12,212
2002	119,551	8,091	38,158	60,891	12,411
2003	121,942	8,215	38,922	62,186	12,619
2004	124,408	8,329	39,721	63,525	12,833
2005	127,131	8,497	40,573	65,013	13,048
2006	129,802	8,659	41,425	66,457	13,261
2007	132,701	8,814	42,280	68,121	13,486
2008	135,558	8,972	43,143	69,735	13,708
2009	138,454	9,136	44,000	71,382	13,936
2010	141,535	9,325	44,880	73,177	14,153
2011	144,567	9,502	45,790	74,900	14,375
2012	147,739	9,687	46,713	76,740	14,599
2013	150,981	9,865	47,670	78,619	14,827
2014	153,560	10,056	48,645	80,536	14,323

Note: Estimates and projections based on the 1994 census and assumes a decline in fertility and migration, and improvement in mortality.

Source: FSM Department of Economic Affairs, Statistic Unit.

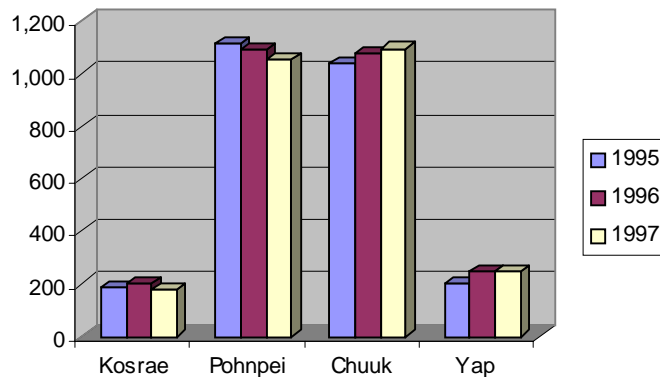
Chapter 2: Summary of Health Statistics

The information in this chapter were provided by the FSM Department of Health Services. The birth data was as of March 1999 and the death data as of August 1999.

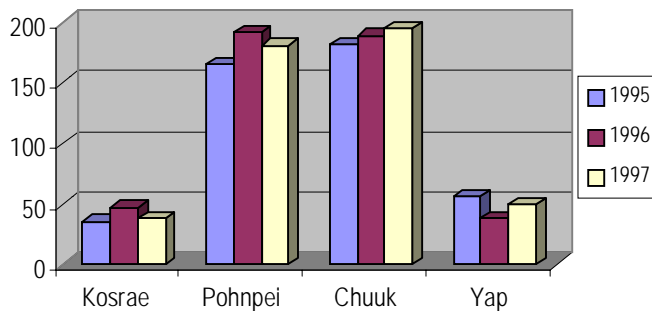
As registration of births and deaths in the FSM is known to be under-reported and slowly improving, the data provided in this chapter are being used primarily for comparative purposes. The Total Fertility Rate for FSM according to the recent 1994 census was 4.6. In other words, on the average, a woman gave birth to a total of 5 children. However, according to the registered births, on the average, a woman gave birth to a total of 3 children.

The graphs below show the registration of births and deaths in the FSM, from 1995 to 1997. Data for 1998 is not graphed here due to the incompleteness of reporting. The live birth registration, as shown, looks okay in Kosrae maybe because Kosrae is the only state that centralizes the civil registration. Pohnpei showed a decline while Chuuk showed an increase. The registration in Yap may show the peak at over 200 births but the actual estimate is between 200 and 400.

Registered Live Births in FSM



Registered Deaths in FSM



The total death for each state remained below 200 since 1995. Chuuk reported the highest number of deaths for all the years followed by Pohnpei. Similar to births, registration of deaths is estimated to be between 60 to 80 percent complete. Table 2.9 shows that the number of deaths is highest (ranging from 64 to 99) in the very young age group (0-4) in the years reported, declined to below 15 in the middle age groups. At age group 45-49, the number of deaths exceeded 20 and continued to remain above that level until age 80 and over.

This chapter also presents health facilities and other administrative data on hospital service, types of diseases, etc.

Table 2.1. Registered Live Births, Deaths and Specific Rates¹ Derived From Registration Data, FSM: 1994 to 1997

State/Year	Population ²	Number of Births ³	Deaths	Infant Deaths	CBR per 1000	CDR per 1000	IMR	RNI
Total FSM								
1997	110,073	2,575	464	69	23.4	4.2	26.8	19.2
1996	108,564	2,618	466	51	24.1	4.3	19.5	19.8
1995	107,041	2,537	439	53	23.7	4.1	20.9	19.6
1994	105,506	2,649	457	66	25.1	4.3	24.9	20.8
Kosrae								
1997	7,517	177	38	5	23.5	5.1	28.2	18.5
1996	7,442	201	47	2	27.0	6.3	10.0	20.7
1995	7,375	183	36	2	24.8	4.9	10.9	19.9
1994	7,317	171	36	3	23.4	4.9	17.5	18.5
Pohnpei								
1997	35,194	1,051	181	21	29.9	5.1	20.0	24.7
1996	34,703	1,090	192	14	31.4	5.5	12.8	25.9
1995	34,256	1,116	165	24	32.6	4.8	21.5	27.8
1994	33,128	1,060	178	25	32.0	5.4	23.6	26.6
Chuuk								
1997	55,773	1,094	195	33	19.6	3.5	30.2	16.1
1996	54,963	1,077	189	24	19.6	3.4	22.3	16.2
1995	54,144	1,036	182	23	19.1	3.4	22.2	15.8
1994	53,319	1,150	198	34	21.6	3.7	29.6	17.9
Yap								
1997	11,589	248	50	10	21.4	4.3	40.3	17.1
1996	11,456	249	38	11	21.7	3.3	44.2	18.4
1995	11,319	200	56	4	17.7	4.9	20.0	12.7
1994	11,178	268	45	4	24.0	4.0	14.9	19.9

Notes: ¹ As registration of births and deaths are known to be incomplete, the CBR, CDR, IMR and RNI are included only for comparative purposes and are not considered to represent the actual CBR, CDR, IMR and RNI. In 1994 the IMR was estimated to be 46 per 1,000.

² Except for 1994, the population figures are estimated.

³ The sum of the states may not equal the FSM total due to the inclusion of births to mothers whose place of residence is outside FSM in the total.

Sources: FSM Department of Economic Affairs; FSM Department of Health Services.

Table 2.2. Registered Live Births by State and Age of Mother: 1995 to 1997

Women's Age	1997		1996		1995	
	Female Population ¹	Children Born ²	Female Population ¹	Children Born ²	Female Population ¹	Children Born ²
Total	38,928	2,575	38,167	2,618	37,415	2,537
10-14	7,161	15	7,205	10	7,227	11
15-19	6,348	310	6,137	312	5,962	353
20-24	4,835	678	4,765	726	4,656	648
25-29	3,914	592	3,773	590	3,654	620
30-34	3,307	422	3,307	422	3,305	382
35-39	3,134	248	3,099	251	3,056	256
40-44	2,740	100	2,641	90	2,528	78
45-49	2,051	2	1,911	6	1,774	8
50+	5,438	1	5,329	-	5,253	-
Not reported	-	207	-	211	-	179
Kosrae	2,703	177	2,645	201	2,597	183
10-14	508	-	514	-	520	1
15-19	450	14	430	24	412	13
20-24	306	50	290	56	275	45
25-29	244	44	245	56	247	61
30-34	222	41	216	32	210	34
35-39	208	22	214	23	221	26
40-44	202	6	194	7	186	2
45-49	152	-	143	1	135	-
50+	411	-	399	-	391	-
Not reported	-	-	-	2	-	1
Pohnpei	12,485	1,051	12,253	1,090	12,018	1,116
10-14	2,189	7	2,211	4	2,229	4
15-19	2,040	172	2,006	171	1,977	209
20-24	1,626	316	1,583	343	1,529	357
25-29	1,279	265	1,241	271	1,209	278
30-34	1,102	146	1,099	164	1,095	139
35-39	1,031	75	1,016	76	996	88
40-44	874	25	834	20	790	27
45-49	623	1	576	3	533	1
50+	1,721	-	1,687	-	1,660	-
Not reported	-	44	-	38	-	13
Chuuk	19,330	1,094	18,929	1,077	18,529	1,036
10-14	3,761	8	3,782	2	3,784	5
15-19	3,226	96	3,075	89	2,948	96
20-24	2,338	236	2,320	259	2,281	198
25-29	1,900	231	1,821	210	1,754	230
30-34	1,593	181	1,602	172	1,610	169
35-39	1,513	121	1,484	124	1,453	123
40-44	1,317	59	1,284	53	1,243	48
45-49	1,041	1	979	2	913	6
50+	2,641	1	2,582	-	2,543	-
Not reported	-	160	-	166	-	161
Yap	4,410	248	4,340	249	4,271	200
10-14	703	-	698	4	694	1
15-19	632	28	626	27	625	35
20-24	565	75	572	68	571	48
25-29	491	51	466	53	444	51
30-34	390	54	390	54	390	40
35-39	382	28	385	28	386	19
40-44	347	10	329	10	309	1
45-49	235	-	213	-	193	1
50+	665	-	661	-	659	-
Not reported	-	2	-	5	-	4

Note: ¹Estimated population based on the 1994 FSM Census.

²The sum of the states may not equal the FSM total due to the inclusion of births to mothers whose place of residence is outside FSM in the total.

³As registration of births are known to be incomplete, the numbers presented above are not considered to represent the actual number of births.

Sources: FSM Statistics Unit, Department of Economic Affairs; FSM Department of Health Services

Table 2.3 Fertility Rates ¹ Derived From Registration Data, FSM: 1995 to 1997

Women's Age	1997			1996			1995		
	Female Population	Number of Births ²	ASFR per Births	Female Population	Number of Births ²	ASFR per Births	Female Population	Number of Births ²	ASFR per Births
Total									
10-14	7,161	17	0.0024	7,205	11	0.0015	7,227	12	0.0017
15-19	6,348	334	0.0526	6,137	338	0.0551	5,962	380	0.0637
20-24	4,835	732	0.1514	4,765	790	0.1657	4,656	697	0.1497
25-29	3,914	643	0.1642	3,773	642	0.1701	3,654	667	0.1826
30-34	3,307	460	0.1390	3,307	459	0.1388	3,305	411	0.1244
35-39	3,134	270	0.0862	3,099	273	0.0881	3,056	275	0.0901
40-44	2,740	111	0.0406	2,641	98	0.0371	2,528	84	0.0332
45-49	2,051	2	0.0011	1,911	7	0.0034	1,774	9	0.0049
50+	5,438	1	0.0002	5,329	—	—	5,253	—	—
TFR	...	...	3.2	...	...	3.3	...	...	3.3

Note: ¹ As registration of births are known to be incomplete, the ASFR and TFR are included only for comparative purposes and are not considered to represent the actual ASFR and TFR. The estimated TFR for 1994 was 4.6.

² Births to mothers of unknown age are distributed proportionately among the mothers of known age.

Sources: FSM Department of Economic Affairs; FSM Department of Health Services.

Table 2.4. Registered Live Births by Sex of Child, FSM: 1995 to 1997

State and Year	Total ¹	State			
		Kosrae	Pohnpei	Chuuk	Yap
Total					
1997	2,575	177	1,051	1,094	248
1996	2,618	201	1,090	1,077	249
1995	2,537	183	1,116	1,036	200
Male					
1997	1,272	96	521	524	129
1996	1,338	112	546	539	140
1995	1,347	116	580	539	111
Female					
1997	1,303	81	530	570	119
1996	1,280	89	544	538	109
1995	1,190	67	536	497	89

Note: ¹The sum of the states may not equal the FSM total due to the inclusion of births to mothers whose place of residence is outside FSM in the total.

Source: FSM Department of Health Services.

Table 2.5. Registered Live Births by Marital Status of Mother: 1995 to 1997

	Total	Marital Status		
		Married	Not married	Not reported
Total FSM				
1997	2,575	2,084	468	23
1996	2,618	2,164	454	-
1995	2,537	2,065	470	2
Kosrae				
1997	177	140	37	-
1996	201	152	49	-
1995	183	146	37	-
Pohnpei				
1997	1,051	749	290	12
1996	1,090	795	295	-
1995	1,116	801	315	-
Chuuk				
1997	1,094	1,004	87	3
1996	1,077	1,022	55	-
1995	1,036	961	75	-
Yap				
1997	248	187	54	7
1996	249	194	55	-
1995	200	157	43	-

Note: ¹The sum of the states may not equal the FSM total due to the inclusion of births to mothers whose place of residence is outside FSM in the total.

Source: FSM Department of Health Services.

Table 2.6. Registered Live Births by Type of Attendant: 1995 to 1997

Type of Attendant	1997	1996	1995
Total	2,590	2,630	2,541
MD-DO	182	249	276
Medical Officer	406	336	346
Medical Student	-	-	1
Registered Nurse	23	24	11
Certified Midwife	706	780	722
Graduate Nurse	726	677	662
Practical Nurse	273	271	257
Health Assistant	95	81	60
Trained Birth Attendant	11	22	10
Others	160	183	175
Not reported	8	7	21

Note: The total of births may not match total in other tables due to inclusion/exclusion of 'not stated' cases.

Source: FSM Department of Health Services.

Table 2.7. Registered Live Births by Place of Occurrence: 1995 to 1997

State and Year	Total	Place of Occurrence			
		State Hospital	Dispensary	Home	Other
Total ¹					
1997	2,575	2,270	20	278	7
1996	2,618	2,277	4	328	9
1995	2,537	2,243	3	271	20
Kosrae					
1997	177	172	-	4	1
1996	201	198	-	2	1
1995	183	175	1	5	2
Pohnpei					
1997	1,051	995	1	55	-
1996	1,090	1,019	-	71	-
1995	1,116	1,054	-	60	2
Chuuk					
1997	1,094	905	9	176	4
1996	1,077	862	2	207	6
1995	1,036	828	2	191	15
Yap					
1997	248	194	10	42	2
1996	249	198	2	47	2
1995	200	184	-	15	1

Note: ¹The sum of the states may not equal the FSM total due to the inclusion of births to mothers whose place of residence is outside FSM in the total.

Source: FSM Department of Health Services.

Table 2.8. Registered Live Births by Ethnicity of Mother: 1995 to 1997

Ethnicity of Mother	Total ¹	Number of births			
		Kosrae	Pohnpei	Chuuk	Yap
1997	2,575	177	1,051	1,094	248
Chuukese	915	1	21	887	2
Mortlockese	301	-	98	203	-
Yapese	151	-	4	-	147
Yap Outer Islanders	90	-	2	-	88
Pohnpeian	688	3	682	-	3
Pohnpei Outer Islanders	143	-	143	-	-
Kosraean	190	172	18	-	-
Asian	21	-	20	-	1
White	3	-	3	-	-
Other	70	1	59	3	7
Not reported	3	-	1	1	-
1996	2,618	201	1,090	1,077	249
Chuukese	894	4	13	875	2
Mortlockese	318	1	117	200	-
Yapese	154	1	5	-	148
Yap Outer Islanders	92	-	1	-	91
Pohnpeian	729	-	726	-	3
Pohnpei Outer Islanders	146	-	144	-	1
Kosraean	215	193	22	-	-
Asian	12	-	10	2	-
White	2	-	2	-	-
Other	55	1	50	-	4
Not reported	1	1	-	-	-
1995	2,537	183	1,116	1,036	200
Chuukese	854	-	19	832	3
Mortlockese	282	1	82	199	-
Yapese	138	-	8	-	130
Yap Outer Islanders	64	-	-	1	63
Pohnpeian	736	3	732	1	-
Pohnpei Outer Islanders	176	-	176	-	-
Kosraean	204	178	25	1	0
Asian	9	-	7	1	1
White	4	-	4	-	-
Other	68	1	63	1	3
Not reported	2	-	-	-	-

Note: ¹The sum of the states may not equal the FSM total due to the inclusion of births to mothers whose place of residence is outside FSM in the total.

Source: FSM Department of Health Services.

Table 2.9. Registered Deaths by Age Group and State, FSM: 1995 to 1997

Age group	1997					1996					1995				
	Total	Kos-rae	Pohn-pei Chuuk	Yap		Total	Kos-rae	Pohn-pei Chuuk	Yap		Total	Kos-rae	Pohn-pei Chuuk	Yap	
Total	464	38	181	195	50	466	47	192	189	38	439	36	165	182	56
0-4	99	6	35	45	13	64	3	20	36	5	71	2	27	37	5
5-9	5	0	5	0	0	14	2	7	5	0	6	1	1	4	0
10-14	9	1	2	4	2	6	0	1	5	0	11	0	1	7	3
15-19	9	2	5	2	0	14	2	5	6	1	13	3	5	3	2
20-24	19	0	12	4	3	16	1	6	8	1	14	0	10	4	0
25-29	10	0	4	6	0	9	0	3	5	1	12	1	4	4	3
30-34	13	2	2	8	1	10	1	4	4	1	14	2	8	3	1
35-39	17	1	6	8	2	14	1	4	6	3	13	1	7	5	0
40-44	16	2	8	6	0	19	3	9	4	3	15	2	7	5	1
45-49	28	1	15	11	1	30	1	9	13	7	29	2	8	16	3
50-54	21	1	5	12	3	36	5	12	18	1	21	1	9	8	3
55-59	30	2	10	11	7	32	1	13	16	2	33	4	8	15	6
60-64	50	2	25	20	3	45	4	21	18	2	38	4	16	15	3
65-69	48	5	24	14	5	50	5	28	13	4	45	4	17	18	6
70-74	33	5	6	19	3	44	9	19	14	2	41	2	13	18	8
75-79	27	2	11	9	5	32	5	15	9	3	27	1	13	7	6
80+	30	6	6	16	2	31	4	16	9	2	36	6	11	13	6

Note: ¹ As registration of deaths are known to be incomplete, the data is included only for comparative purposes and is actual number of deaths.

Sources: FSM Department of Economic Affairs; FSM Department of Health Services.

Table 2.10. Registered Death by Underlying Cause, FSM: 1993 to 1997

Underlying cause	1997	1996	1995	1994	1993
Total	464	466	439	457	483
Infectious and Parasitic Diseases	30	35	41	51	38
Cancer	38	46	54	49	67
Endocrine, Nutritional & Metabolic Diseases	72	59	36	32	48
Diseases of Blood & Blood Forming Organs & certain disorders involving the immune mechanism	2	3	-	2	2
Mental Disorder	-	3	1	3	1
Diseases of the Nervous System	8	11	6	8	6
Diseases of the Circulatory System	101	97	96	109	118
Diseases of the Respiratory System	47	58	51	60	51
Diseases of the Digestive System	11	12	15	18	12
Diseases of the Genitourinary System	11	19	3	8	8
Complication of Pregnancy, Child-birth and the puerperium	6	3	-	4	3
Skin and Subcutaneous tissue disease	-	3	-	1	1
Musculoskeletal system disease	-	1	-	-	2
Congenital anomalies	5	2	5	6	4
Certain conditions originating at perinatal	19	18	-	-	31
Injury and poisoning	62	48	52	48	44
Ill-define signs and symptoms	36	45	43	34	40
Others or not coded records	16	3	36	24	7

Note: As registration of deaths are known to be incomplete, the data is included only for comparative purposes and is not considered to represent the actual number of deaths.

Source: FSM Department of Health Services.

Table 2.11. Out-patients by Type of Disease and State: 1997

Type of Disease	FSM	State			
	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	91,819	18,903	26,684	38,337	7,895
Diseases of Respiratory System, n.e.c.	14,467	3,976	4,643	3,906	1,942
Diseases of Skin & Subcutaneous Tissue	9,448	2,891	3,493	2,351	713
Intestinal Parasitism	5,088	532	901	3,371	284
Asthma & Other Allergic Conditions	2,828	... ²	853	1,510	465
Diseases of Digestive System	11,116	457	6,703	3,715	241
Diseases of Ear & Mastoid Process	4,258	804	1,199	2,024	231
Diseases of Eye	1,200	N/A	641	450	109
Infectious Diseases of Intestinal Tract	2,714	921	776	835	182
Diseases of Genitourinary System	2,905	N/A	1,161	1,443	301
Injuries & Adverse Effects	1,575	566	317	634	58
Fungus Infections	1,426	N/A	178	1,128	120
Communicable Diseases, n.e.c.	4,765	316	4,124	159	166
Diseases of Circulatory System	5,827	424	1,690	3,489	224
Food Poisoning	229	N/A	5	192	32
Other Diseases & Conditions	23,973	8,016	-	13,130	2,827

Note: ¹ The numbers presented in the table represents number of visits not patients, and a

² Included with Diseases of Respiratory System, n.e.c. category.

Source: Department of Health Services, FSM.

Table 2.12. Hospitalization by Principal Cause, FSM: 1995 to 1997

Principal Cause	1997	1996	1995
Total	10,297	12,215	11,455
Certain infectious and parasitic diseases	709	874	948
Neoplasms	94	105	107
Endocrine, nutritional and metabolic diseases	136	234	289
Disease of the blood and blood forming organs and certain disorders involving the immune mechanism	27	121	85
Mental and behavioral disorders	70	48	59
Disease of the nervous system	93	104	125
Disease of the eye and adnexa	64	48	50
Disease of the ear and mastoid process	56	79	87
Disease of the circulatory system	504	531	692
Disease of the respiratory system	1,171	1,707	1,434
Disease of the digestive system	478	710	818
Diseases of the genitourinary system	593	629	562
Pregnancy, childbirth and the puerperium	2,543	3,810	2,965
Diseases of the skin and subcutaneous tissue	602	630	499
Diseases of the musculoskeletal system and connective tissue	119	286	185
Congenital malformations, deformations and chromosomal abnormalities	34	37	34
Certain conditions originating in the perinatal period	499	239	277
Symptoms, signs and abnormal clinical and laboratory findings, n.e.c.	212	138	314
Injury, poisoning and certain other consequences of external causes	666	625	851
Others	1,777	1,894	1,720
Not coded record	559	240	302

Note: The figures above represents the number of hospitalized visits not the number of persons hospitalized. A person may be hospitalized more than once in a year.

Source: FSM Department of Health Services.

Table 2.13. Public Hospital Admissions by Ward, FSM: 1995 - 1998

Type of Ward	1998	1997	1996	1995
FSM Total	7,362	12,022	13,124	12,164
Medical	2,658	3,780	4,218	3,895
Obstetric	1,482	3,482	3,689	3,270
Pediatric	1,248	1,885	2,204	2,104
Surgical	762	1,731	1,940	1,770
Nursery	1,212	1,144	1,073	1,125
Kosrae	1,639	1,624	1,582	1,501
Medical	722	740	736	702
Obstetric	249	237	260	202
Pediatric	267	281	301	311
Surgical	186	151	201	158
Nursery	215	215	84	128
Pohnpei	N/A	4,532	5,181	4,744
Medical	N/A	922	1,103	1,106
Obstetric	N/A	2,023	2,176	1,877
Pediatric	N/A	485	659	644
Surgical	N/A	1,102	1,243	1,117
Nursery	N/A	-	-	-
Chuuk	4,157	4,135	4,657	4,312
Medical	1,171	1,317	1,581	1,386
Obstetric	960	911	950	892
Pediatric	663	699	852	739
Surgical	366	279	285	298
Nursery	997	929	989	997
Yap	1,566	1,731	1,704	1,607
Medical	765	801	798	701
Obstetric	273	311	303	299
Pediatric	318	420	392	410
Surgical	210	199	211	197
Nursery	N/A	N/A	N/A	N/A

Source: FSM Department of Health Services; 1997 Pohnpei Statistical Yearbook.

Table 2.14. Health Facilities by State: 1997

Health Facility	Total	Kosrae	Pohnpei	Chuuk	Yap
Hospital	4	1	1	1	1
License Beds ¹	326	35	116	125	50
Operating Beds ²	260	45	91	82	42
Occupancy Rate	51.4	52.1	N/A	60.0	42.1
Community Health Center (CHC)	6	-	3	1	2
Dispensary	94	4	7	67	16
Aid-post	21	-	7	-	14

Notes: ¹ The number of beds the facility was initially built for.

² The number of beds the facility is currently operating.

Source: FSM Department of Health Services.

Table 2.15. Hospital, Dispensaries and Health Department Personnel by State: 1998

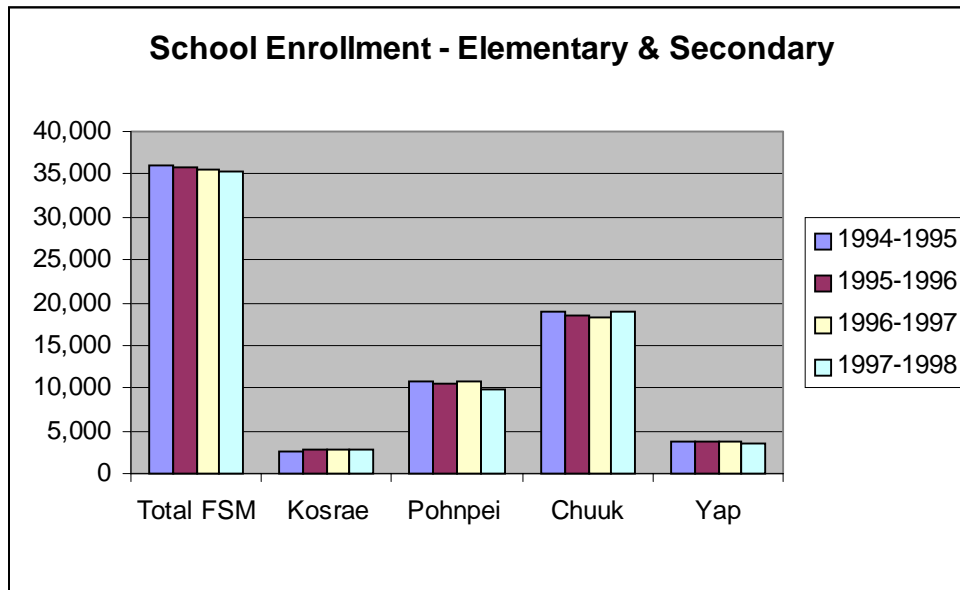
Occupation Category	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	840	82	228	377	153
Physician	68	8	22	22	16
Physician's Assistant	11	-	5	2	4
Dentist/Dental Officer	15	1	6	6	2
Other Professional Staff	74	9	22	32	11
Registered Nurse	5	1	1	-	3
Graduate Nurse	152	31	39	63	19
Health Asst./Practical Nurse/Nurse Ass't	261	1	55	154	51
Dental Nurse/Ass't/Tech.	42	3	14	16	9
Administrative Officer/Ass't	5	2	1	1	1
Secretary/Clerk Typist	20	4	3	6	7
Other Clerks and Tech.	97	13	34	27	23
Other Service Workers	90	9	26	48	7

Source: Department of Health Services, FSM.

Chapter 3: Summary of Education

Tables in this chapter include educational enrollment in each state by type and level of school, number of teachers/instructors and their educational background, teacher-student ratio, early leavers with reasons for leaving, college awards and financial assistance, educational attainment, etc. This chapter does not include gender statistics on education because the data received from the states was not detailed by gender.

The number of primary and secondary students enrolled at the beginning of the past 4 school years remained more or less at 36,000 while the number of teachers remained at 2,000. Chuuk State alone made up 50 percent while the other three states made up the other half. The teacher-student ratio reduced by 1 in the most recent school years from the 17 in 1995.



More attention should be paid to Early Leavers tables – the total for the most current years are lower because Kosrae, Pohnpei and Chuuk reported partial data while Yap reported none. As noted in Table 3.5, the number of students leaving high school early was estimated to be 1,700 in SY 1995-96.

The total number of schools for both private and public elementary and secondary for SY 1997-98 remained at 299. About 89 percent were public schools and it is same for the 3 earlier years as well. Similar to the enrollment, the teachers in Chuuk made up half of the total.

The average annual tuition and fees for private schools continue to increase especially in the secondary education. The highest rate being in Pohnpei at both levels. Yaps also experienced an increase but the rates remained very low compared to the other states.

The College of Micronesia-FSM is a locally based and owned by FSM and it has 5 campuses – a national campus near the FSM Capital in Pohnpei and one state campus in each of the 4 states. Of the total instructors for SY 1997-98, 16 were Micronesians and 55 were expatriates. The education attainment data include everybody resided in the FSM five years ago despite citizenship. The reduction in “No School” over the past 3 years shows an improvement in the population educational attainment. The decrease in the higher attainment in the most recent years in Pohnpei and Chuuk implies more highly educated persons leaving the country.

Table 3.1. Beginning of School Year Student Enrollment by School, FSM: SY 1994-95 to SY 1998-99

Type of School	1997-1998	1996-1997	1995-1996	1994-95
FSM	35,206	35,639	35,703	36,097
Public School	31,311	31,924	31,757	32,060
Special Education	542	448	402	315
Headstart	1,560	1,745	1,727	1,648
Preschool	94	126	125	74
Elementary	23,617	24,231	23,936	24,383
Secondary	5,498	5,374	5,567	5,640
Private School	3,895	3,715	3,946	4,037
Preschool/Kindergarten	286	177	335	176
Elementary	2,298	2,273	2,351	2,447
Secondary	1,311	1,265	1,260	1,414
Kosrae	2,769	2,778	2,874	2,524
Public School	2,708	2,740	2,791	2,486
Special Education	216	210	148	N/A
Headstart ¹	44	44	40	N/A
Preschool	94	126	125	74
Elementary	1,848	1,669	1,738	1,721
Secondary	506	691	740	691
Private School	61	38	83	38
Preschool/Kindergarten	9	4	16	38
Elementary	49	33	65	—
Secondary	3	1	2	—
Pohnpei	9,933	10,761	10,635	10,760
Public School	8,839	9,619	9,540	9,577
Special Education	89	N/A	N/A	N/A
Headstart	421	391	402	415
Elementary	7,009	7,379	7,289	7,397
Secondary ²	1,320	1,849	1,849	1,765
Private School	1,094	1,142	1,095	1,183
Preschool/Kindergarten	109	108	122	82
Elementary	612	616	604	608
Secondary	373	418	369	493
Chuuk	18,920	18,315	18,365	18,997
Public School	16,673	16,269	16,110	16,737
Special Education ³	237	238	254	315
Headstart	840	860	840	800
Elementary	12,873 ¹	13,063	12,778	13,163
Secondary	2,377	2,108	2,238	2,459
Private School	2,247	2,046	2,255	2,260
Preschool/Kindergarten ⁴	121	23	156	N/A
Elementary	1,229	1,220	1,238	1,389
Secondary	897	803	861	871
Yap	3,584	3,785	3,829	3,816
Public School	3,091	3,296	3,316	3,260
Special Education	N/A	N/A	N/A	N/A
Headstart	255	450	445	433
Elementary	2,094	2,120	2,131	2,102
Secondary	742	726	740	725
Private School	493	489	513	556
Preschool/Kindergarten ⁶	47	42	41	56
Elementary	408	404	444	450
Secondary	38	43	28	50

Note: ¹ Extension of Pohnpei Headstart program.

² The decrease in SY1997-98 may be due to the raise of passing score for entrance test.

³ The terms 'preschool' and 'special education' are used interchangeably in Chuuk.

⁴ Only one school reported in 1996-97.

⁶ SY94-95 one school was not reported.

Table 3.2. Student Enrollment by Grade Level, FSM: SY 1995-1996 to SY 1997-98

Type of School	School Year			
	1997-1998	1996-1997	1995-1996	1994-95
Total	35,206	35,639	35,703	36,097
Public School	31,311	31,924	31,757	32,060
Preschool	94	126	125	74
Elementary	23,617	24,231	23,936	24,383
Grade 1	3,218	3,042	3,109	2,869
Grade 2	2,902	3,008	2,966	2,821
Grade 3	2,901	3,029	3,244	3,131
Grade 4	3,022	3,190	3,246	2,915
Grade 5	3,097	3,194	3,094	2,854
Grade 6	3,035	3,017	2,997	2,894
Grade 7	2,713	2,935	2,869	2,649
Grade 8	2,537	2,816	2,411	2,529
Secondary ¹	5,498	5,374	5,567	5,640
Grade 9	1,891	1,261	1,406	1,228
Grade 10	1,319	959	862	658
Grade 11	1,303	760	768	606
Grade 12	985	545	682	692
Private School	3,895	3,715	3,946	4,037
Preschool/Kindergarten	286	177	335	138
Elementary	2,298	2,273	2,351	2,447
Grade 1	301	228	244	368
Grade 2	324	224	234	198
Grade 3	300	215	213	232
Grade 4	309	189	241	214
Grade 5	263	223	214	228
Grade 6	295	195	237	212
Grade 7	242	221	176	203
Grade 8	264	162	188	184
Secondary	1,311	1,265	1,260	1,414
Grade 9	403	240	282	254
Grade 10	348	229	212	252
Grade 11	298	180	231	228
Grade 12	262	198	166	187

Note: ¹Pohnpei only reported total in school years 1994-95 to 1996-97

Sources: Department of Education; Statistical Yearbooks for the respective states.

Table 3.3. Number of Teachers by School: SY 1995-1996 to SY 1997-1998

School	1997-1998	1996-1997	1995-1996
FSM	2,120	2,255	2,154
Public School	1,918	1,980	1,901
Special Education	82	83	20
Headstart	134	158	116
Elementary	1,393	1,402	1,426
Secondary	309	337	339
Private School	202	275	253
Elementary	93	124	114
Secondary	109	151	139
Kosrae	174	190	194
Public School	169	185	188
Special Education	18	19	20
Headstart	4	4	4
Elementary	116	128	129
Secondary	31	34	35
Private School	5	5	6
Elementary	4	4	5
Secondary	1	1	1
Pohnpei	537	584	522
Public School	457	460	423
Special Education	N/A	N/A	N/A
Headstart	46	42	N/A
Elementary	328	326	330
Secondary	83	92	93
Private School ¹	80	124	99
Elementary	22	51	38
Secondary	31	73	61
Chuuk	1,179	1,195	1,147
Public School	1,054	1,070	1,022
Special Education ²	64	64	N/A
Headstart	84	84	84
Elementary	766	766	782
Secondary	140	156	156
Private School	125	125	125
Elementary	48	48	48
Secondary	77	77	77
Yap	257	286	291
Public School	238	265	268
Special Education	N/A	N/A	N/A
Headstart	N/A	28	28
Elementary	183	182	185
Secondary	55	55	55
Private School	19	21	23
Elementary ³	19	21	23
Secondary	N/A	N/A	N/A

Notes: ¹ In SY97-98 27 teachers were reported and added to total; no sort on school level

² Includes pre-school

³ Includes high school

Sources: Department of Education; Statistical Yearbooks for the respective states.

Table 3.4. Teacher-Student Ratio by School Level: SY 1995-1996 to SY 1997-1998

School	1997-1998	1996-1997	1995-1996
FSM			
Public School	16	16	17
Special Education	7	5	20
Headstart	12	11	15
Elementary	17	17	17
Secondary	18	16	16
Private School	19	14	16
Elementary ¹	25	18	21
Secondary	12	8	9
Kosrae			
Public School	18	18	17
Special Education	12	11	7
Headstart	11	11	10
Elementary	16	13	13
Secondary	16	20	21
Private School	N/A	N/A	N/A
Elementary	N/A	N/A	N/A
Secondary	N/A	N/A	N/A
Pohnpei			
Public School	15	17	21
Special Education	N/A	N/A	N/A
Headstart	9	9	N/A
Elementary	21	23	22
Secondary	16	20	20
Private School	20	9	11
Elementary	28	12	16
Secondary	12	6	6
Chuuk			
Public School	13	11	14
Special Education	4	4	N/A
Headstart	10	10	10
Elementary	17	17	16
Secondary	21	14	14
Private School	20	18	20
Elementary	28	26	29
Secondary	12	10	11
Yap			
Public School	14	14	14
Special Education	N/A	N/A	N/A
Headstart	N/A	16	16
Elementary	11	12	12
Secondary	13	13	13
Private School	26	23	22
Elementary ²	N/A	N/A	N/A
Secondary	N/A	N/A	N/A

Notes: ¹Includes Preschool/kindergarten except for Pohnpei.

²Elementary and secondary teachers were combined.

Sources: Department of Education; Statistical Yearbooks for the respective states.

Table 3.5. Number of Early Leavers from High School by Grade, FSM: SY 1995-1996 to 1997-98

State and School Year	Total	Grade			
		9th	10th	11th	12th
Total					
1997-1998	457	75	229	138	15
1996-1997	289	101	103	49	36
1995-1996	1,694	435	498	439	322
Kosrae					
1997-1998	39	-	18	14	7
1996-1997	68	-	24	25	19
1995-1996	50	-	26	12	12
Pohnpei					
1997-1998	200	75	81	36	8
1996-1997	221	101	79	24	17
1995-1996	403	93	215	48	47
Chuuk ²					
1997-1998	N/A ¹	N/A ¹	130	88	N/A ¹
1996-1997	-	<347>	<264>	<187>	<220>
1995-1996	1,241	342	257	379	263
Yap					
1997-1998	N/A	N/A	N/A	N/A	N/A
1996-1997	N/A	N/A	N/A	N/A	N/A
1995-1996	N/A	N/A	N/A	N/A	N/A

Notes: ¹ Does not include 4th quarter

² <> instead of leavers there were more new students

Sources: Department of Education; Statistical Yearbooks for the respective states.

Table 3.6. High School Early Leavers by Reason for Leaving: SY 1995-96 to SY 1997-98

School Year	Total	Reason for Leaving			
		Involuntary		Voluntary	
		Discipline	Other	Transfer	Unknown
Total					
1997-1998	544	134	42	54	96
1996-1997	293	134	44	55	60
1995-1996	1,678	288	34	26	89
Kosrae					
1997-1998 ¹	39	18	–	4	17
1996-1997	68	30	1	8	29
1995-1996	50	31	–	1	18
Pohnpei					
1997-1998	287	116	42	50	79
1996-1997	225	104	43	47	31
1995-1996	387	257	34	25	71
Chuuk ²					
1997-1998	218	N/A	N/A	N/A	N/A
1996-1997	N/A	N/A	N/A	N/A	N/A
1995-1996	1,241	N/A	N/A	N/A	N/A
Yap					
1997-1998	N/A	N/A	N/A	N/A	N/A
1996-1997	N/A	N/A	N/A	N/A	N/A
1995-1996	N/A	N/A	N/A	N/A	N/A

Notes: ¹ Does not include 4th quarter.

² Breakdown of data by reason not available.

Source: Department of Education in the respective states.

Table 3.8. Number of Schools by State: SY 1994-1995 to SY 1997-98

Type of School	Number of Schools			
	1997-1998	1996-1997	1995-1996	1994-95
Total FSM	299	292	292	292
Public	266	259	259	260
Private	33	33	33	32
Kosrae	22	22	22	22
Public School	19	19	19	19
Special Education	1	1	1	1
Headstart	5	5	5	5
Preschool	6	6	6	6
Elementary	6	6	6	6
Secondary	1	1	1	1
Private School	3	3	3	3
Preschool/Kindergarten	1	1	1	1
Elementary	1	1	1	1
Secondary	1	1	1	1
Pohnpei	60	54	55	55
Public School	47	41	42	42
Special Education	6	N/A	N/A	N/A
Headstart	7	7	8	8
Elementary	33	33	33	33
Secondary	1	1	1	1
Private School	13	13	13	13
Preschool/Kindergarten	3	3	3	3
Elementary	6	6	6	6
Secondary	4	4	4	4
Chuuk	149	148	148	147
Public School	139	138	138	138
Special Education	4	4	4	4
Headstart	42	42	42	42
Elementary	86	85	85	85
Secondary	7	7	7	7
Private School	10	10	10	9
Preschool/Kindergarten	N/A	N/A	N/A	N/A
Elementary	4	4	4	4
Secondary	6	6	6	5
Yap	68	68	67	68
Public School	61	61	60	61
Special Education	N/A	N/A	N/A	N/A
Headstart	27	27	26	26
Elementary	31	31	31	31
Secondary	3	3	3	4
Private School	7	7	7	7
Preschool/Kindergarten	2	2	2	2
Elementary	4	4	4	4
Secondary	1	1	1	1

Sources: Department of Education; Statistical Yearbooks for the respective states.

Table 3.9. Average Annual Tuition and Fees for Private School: SY 1995-1996 to SY 1997-98

Type of School	Amount(\$)			
	1997-1998	1996-1997	1995-1996	1994-1995
FSM	376	368	346	322
Elementary	333	337	303	297
Secondary	419	400	389	347
Kosrae	280	280	280	280
Elementary	280	280	280	280
Secondary	280	280	280	280
Pohnpei	635	640	575	491
Elementary ¹	578	623	493	483
Secondary ²	692	657	657	499
Chuuk	464	441	416	411
Elementary	350	329	322	321
Secondary ³	578	552	510	500
Yap	125	113	113	108
Elementary	125	115	115	105
Secondary	125	110	110	110

Notes: ¹Two schools were not reported in SYs94-96; Preschool included.

²Two schools were not reported in SY97-98 and one in SY95-97

³One school was not reported in all School years.

Source: Department of Education in the respective states.

Table 3.10. College of Micronesia-FSM Enrollment per Semester by Campus: SY1995-1996 to SY1997-98.

Campus & School Year	Total	Fall	Spring	Summer
National Campus				
1997-1998	1,884	798	679	407
1996-1997	1,670	707	660	303
1995-1996	1,784	782	775	371
Kosrae Campus				
1997-1998	316 ^f	108 ^f	126 ^f	82
1996-1997	370	109	114	147
1995-1996	184	45	50	89
Pohnpei Campus				
1997-1998	530	227	194	109
1996-1997	610	212	245	153
1995-1996	609	191	171	67
Chuuk Campus				
1997-1998	711	320	107	284
1996-1997	916	351	353	212
1995-1996	1,092	385	421	286
Yap Campus				
1997-1998	167	56	48	63
1996-1997	233	42	19	172
1995-1996	98	23	36	39

Source: Research Department, COM-FSM National.

Table 3.11. Number of Instructors at National & State Campuses: SY 1995-96 to SY 1997-1998

School	1997-98			1996-97			1995-96		
	Total	Micro.	Other	Total	Micro.	Other	Total	Micro.	Other
Total	71	16	55	63	11	52	59	7	52
National campus	48	10	38	44	7	37	43	6	37
Kosrae campus	2	0	2	2	0	2	2	0	2
Pohnpei campus	7	1	6	7	1	6	6	0	6
Chuuk campus	12	5	7	9	3	6	6	0	6
Yap campus	2	0	2	1	0	1	2	1	1

Note: Micro. Includes FSM citizens.

Source: Research Department, COM-FSM National.

Table 3.12. Educational Background of COM-FSM Instructors: SY 1996-97 to SY 1997-98

Education Background	1997-98	1996-97
Total	71	55
Bachelors of Arts	22	16
Master's Degree	42	33
Doctorate Degree or higher	7	6
National Campus	48	36
Bachelors of Arts	12	7
Master's Degree	30	23
Doctorate Degree or higher	6	6
Kosrae campus	2	2
Bachelors of Arts	1	1
Master's Degree	1	1
Doctorate Degree or higher	–	–
Pohnpei Campus	7	7
Bachelors of Arts	4	4
Master's Degree	3	3
Doctorate Degree or higher	–	–
Chuuk campus	12	9
Bachelors of Arts	4	3
Master's Degree	8	6
Doctorate Degree or higher	–	–
Yap Campus	2	1
Bachelors of Arts	1	1
Master's Degree	–	–
Doctorate Degree or higher	1	–

Source: Research Department, COM-FSM National.

Table 3.13. Number of COM-FSM Graduates by State: SY 1995-96 to SY 1997-98

Nationality	1997-98	1996-97	1995-96
FSM	147	130	102
Kosraeans	20	25	9
Pohnpeians	75	69	60
Chuukese	33	19	13
Yapese	19	17	20

Note: Data reflect only the FSM citizens at the national campus.

Source: Research Department, COM-FSM National.

Table 3.14. College of Micronesia-FSM Degree Awards by Field of Study and Nationality: SY 1995 to 1997-98

Field of Study & Nationality	Number of Graduates		
	1997-98	1996-97	1995-96
Total	134	98	83
Accounting	22	14	10
Agriculture	3	1	–
Business	10	11	15
Education	9	5	1
LA/HCOP	7	15	10
LA/Nursing	4	–	4
Liberal Arts	74	48	37
Marine Science	2	2	4
Others ¹	3	2	2
Kosraeans	20	13	14
Accounting	6	2	1
Agriculture	1	–	–
Business	1	1	2
Education	3	1	–
LA/HCOP	2	2	3
LA/Nursing	–	–	1
Liberal Arts	7	7	6
Marine Science	–	–	1
Pohnpeians	65	53	40
Accounting	9	9	6
Agriculture	1	1	–
Business	4	6	10
Education	1	1	–
LA/HCOP	4	6	2
LA/Nursing	2	–	–
Liberal Arts	43	28	19
Marine Science	1	2	3
Chuukese	31	18	13
Accounting	5	1	1
Agriculture	–	–	–
Business	4	2	3
Education	3	–	–
LA/HCOP	1	5	4
LA/Nursing	–	–	2
Liberal Arts	18	10	3
Marine Science	–	–	–
Yapese	15	12	14
Accounting	2	2	2
Agriculture	1	–	–
Business	1	2	–
Education	2	3	1
LA/HCOP	–	2	1
LA/Nursing	2	–	1
Liberal Arts	6	3	9
Marine Science	1	–	–
Others ¹	3	2	2

Notes: ¹Includes Non-FSM with Accounting, Business, LA & LA/HCOP degree awards.

Source: Research Department, COM-FSM National.

Table 3.15. FSM Student Loan Program by State: SY 1994-1995 to SY 1997-1998

State	Amount(\$)		
	1997-1998	1996-1997	1995-1996
Total FSM			
State funds	514,443	1,025,098	1,088,157
Amount awarded	738,763	1,103,231	1,103,377
Kosrae			
State funds	128,661	128,661	228,661
Amount awarded	228,661	128,661	228,661
Pohnpei			
State funds	285,102	384,041	347,100
Amount awarded	285,102	334,220	208,000
Chuuk			
State funds	N/A	411,716	411,716
Amount awarded	N/A	411,100	411,716
Yap			
State funds	100,680	100,680	100,680
Amount awarded	225,000	229,250	255,000

Sources: Scholarship Office, Department of Education; Statistics Office of the respectiv

Table 3.16. Number of Students Applied and Received Financial Assistance from Federal Student Aid Program by Campus:
SY 1995-96 to SY 1997-98

COM-FSM Campuses	Applied			Received		
	1997-98	1996-97	1995-96	1997-98	1996-97	1995-96
Total	2203	2086	2435	1552	1462	1752
National	904	864	1324	739	695	1028
Kosrae	241	176	118	135	112	58
Pohnpei	359	354	N/A ¹	194	182	N/A
Chuuk	491	621	845	421	420	593
Yap	208	71	148	63	53	73

Note: ¹Data for 1995-96 were included with National.

Source: Research Department, COM-FSM National.

Table 3.17. Educational Attainment for Persons Aged 25 Years and Over by State of Residence, FSM: 1994 to 1998

Educational Attainment	Number			Percent change		Percent		
	1998	1997	1994	1997 to	1994 to	1998	1997	1994
				1998	1997			
Total Persons Aged 25+ years	40,700	44,985	38,494	-9.5	16.9	100.0	100.0	100.0
No school	1,781	4,817	8,765	-63.0	-45.0	4.4	10.7	22.8
Elementary	18,715	19,111	11,682	-2.1	63.6	46.0	42.5	30.3
Some high school, no diploma	7,464	7,876	5,807	-5.2	35.6	18.3	17.5	15.1
High school graduate (GED included)	5,268	6,330	5,230	-16.8	21.0	12.9	14.1	13.6
Some college, no degree	3,334	2,930	2,879	13.8	1.8	8.2	6.5	7.5
Associate Degree - occupational	1,209	1,051	1,191	15.0	-11.8	3.0	2.3	3.1
Associate Degree - academic	1,440	1,601	1,138	-10.1	40.7	3.5	3.6	3.0
Bachelor's Degree	1,172	900	1,181	30.2	-23.8	2.9	2.0	3.1
Master's Degree and higher	317	369	621	-14.1	-40.6	0.8	0.8	1.6
Kosrae	2,857	3,103	2,936	-7.9	5.7	7.0	6.9	7.6
No school	108	150	286	-28.0	-47.6	0.3	0.3	0.7
Elementary	909	1,171	869	-22.4	34.8	2.2	2.6	2.3
Some high school, no diploma	779	694	573	12.2	21.1	1.9	1.5	1.5
High school graduate (GED included)	260	354	415	-26.6	-14.7	0.6	0.8	1.1
Some college, no degree	390	299	308	30.4	-2.9	1.0	0.7	0.8
Associate Degree - occupational	108	95	194	13.7	-51.0	0.3	0.2	0.5
Associate Degree - academic	130	299	123	-56.5	143.1	0.3	0.7	0.3
Bachelor's Degree	130	27	138	381.5	-80.4	0.3	0.1	0.4
Master's Degree and higher	43	14	30	207.1	-53.3	0.1	0.0	0.1
Pohnpei	12,931	14,622	12,439	-11.6	17.5	31.8	32.5	32.3
No school	494	720	2,985	-31.4	-75.9	1.2	1.6	7.8
Elementary	7,398	7,932	4,310	-6.7	84.0	18.2	17.6	11.2
Some high school, no diploma	1,419	1,754	1,482	-19.1	18.4	3.5	3.9	3.8
High school graduate (GED included)	1,595	1,742	1,428	-8.4	22.0	3.9	3.9	3.7
Some college, no degree	765	906	772	-15.6	17.4	1.9	2.0	2.0
Associate Degree - occupational	510	465	390	9.7	19.2	1.3	1.0	1.0
Associate Degree - academic	367	395	402	-7.1	-1.7	0.9	0.9	1.0
Bachelor's Degree	255	453	472	-43.7	-4.0	0.6	1.0	1.2
Master's Degree and higher	128	255	198	-49.8	28.8	0.3	0.6	0.5
Chuuk	19,832	21,729	18,553	-8.7	17.1	48.7	48.3	48.2
No school	592	3,157	4,730	-81.2	-33.3	1.5	7.0	12.3
Elementary	9,315	8,105	5,328	14.9	52.1	22.9	18.0	13.8
Some high school, no diploma	4,497	4,494	3,239	0.1	38.7	11.0	10.0	8.4
High school graduate (GED included)	2,198	3,228	2,331	-31.9	38.5	5.4	7.2	6.1
Some college, no degree	1,471	1,294	1,324	13.7	-2.3	3.6	2.9	3.4
Associate Degree - occupational	389	455	455	-14.5	0.0	1.0	1.0	1.2
Associate Degree - academic	761	512	411	48.6	24.6	1.9	1.1	1.1
Bachelor's Degree	524	384	384	36.5	0.0	1.3	0.9	1.0
Master's Degree and higher	85	100	351	-15.0	-71.5	0.2	0.2	0.9
Yap	5,080	5,531	4,566	-8.2	21.1	12.5	12.3	11.9
No school	587	790	764	-25.7	3.4	1.4	1.8	2.0
Elementary	1,093	1,903	1,175	-42.6	62.0	2.7	4.2	3.1
Some high school, no diploma	769	934	513	-17.7	82.1	1.9	2.1	1.3
High school graduate (GED included)	1,215	1,006	1,056	20.8	-4.7	3.0	2.2	2.7
Some college, no degree	708	431	475	64.3	-9.3	1.7	1.0	1.2
Associate Degree - occupational	202	36	152	461.1	-76.3	0.5	0.1	0.4
Associate Degree - academic	182	395	202	-53.9	95.5	0.4	0.9	0.5
Bachelor's Degree	263	36	187	630.6	-80.7	0.6	0.1	0.5
Master's Degree and higher	61	-	42	-	-100.0	0.1	0.0	0.1

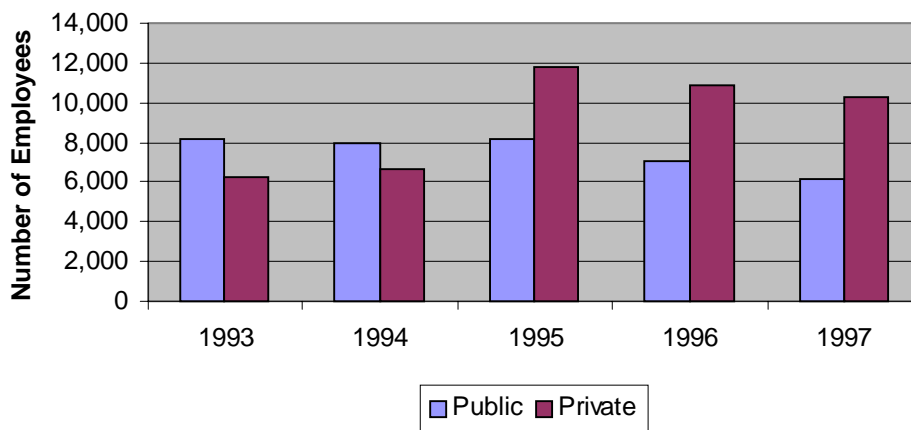
Sources: FSM 1994 Census; 1997 Labor Force Survey; 1998 Household Income and Expenditure Survey.

Chapter 4: Summary of Employment and Earnings

This chapter presents data on government and private sector employment of the FSM citizens (local) and the FSM non-citizen (expatriates). In FSM, the employment age starts at 15 and the retirement age starts at 55. The public sector accounted for about 37 percent of the total employment in 1997, while the private sector accounted for the remaining 63 percent (10, 285). According to UN classification, the unemployment rate for FSM in 1994 was 16.2 percent.

The graph below shows the increase in the private sector and the fluctuation in the public sector employment. The best year for both public and private sectors was 1995 with the peak at 8,000 and over 11,000 employees respectively. The decrease in the number of employees during 1996 and 1997 may be due to the public reform and out-migration.

**Employment by Public and Private Sectors in the
FSM: CY 1993 to CY 1997**



Chuuk employment for public or government has the greatest share that remained at over 30 percent since 1993. Pohnpei contributed the most for the private sectors and the share remained between 45 to 49 throughout the period.

The gender statistics on public employees at the national and state levels show more than half of the employees were men in all the years observed in this chapter. During the 1994 census, 57 percent of the male working age population were participating in the labor force while female had only 30 percent.

Of the total in the labor force participation, the majority of the employed persons did not finish high school. In every state almost every person who has a degree has a job. Chuuk has the most with higher degree and they're all working.

Subsistence activities like gardening, animal raising, and fishing was reported high in Chuuk and lowest in Kosrae. Gardening and fishing for home used were also high in Chuuk. A very small proportion of the product was sold and a fair amount was given away to relatives and friends.

Expatriates are usually employed in the private sector in the field of construction services, retail/wholesale trade, auto repair, hotel and restaurant. There is a small number of expatriates employed in the public sector in legal, professional or technical positions.

Table 4.1. Employment by Public and Private Sectors: CY1993 to CY1997

Sectors	Number					Percentage			
	1997	1996	1995	1994	1993	1997	1996	1995	1994
Total	16,469	18,003	19,927	14,530	14,407	100.0	100.0	100.0	100.0
National	692	879	924	823	808	4.2	4.9	4.6	5.7
Kosrae	1,404	1,551	1,618	1,371	1,430	8.5	8.6	8.1	9.4
Pohnpei	6,464	7,259	7,929	4,816	4,849	39.2	40.3	39.8	33.1
Chuuk	4,668	5,028	6,178	4,907	4,617	28.3	27.9	31.0	33.8
Yap	3,241	3,286	3,278	2,613	2,703	19.7	18.3	16.5	18.0
Government:	6,184	7,080	8,182	7,908	8,170	100.0	100.0	100.0	100.0
National	692	879	924	823	808	11.2	12.4	11.3	10.4
Kosrae	759	860	849	976	1,075	12.3	12.1	10.4	12.3
Pohnpei	1,573	1,881	2,225	1,730	2,011	25.4	26.6	27.2	21.9
Chuuk	2,134	2,285	3,001	3,049	2,806	34.5	32.3	36.7	38.6
Yap	1,026	1,175	1,183	1,330	1,470	16.6	16.6	14.5	16.8
Private Sector:	10,285	10,923	11,745	6,622	6,237	100.0	100.0	100.0	100.0
Kosrae	645	691	769	395	355	6.3	6.3	6.5	6.0
Pohnpei	4,891	5,378	5,704	3,086	2,838	47.6	49.2	48.6	46.6
Chuuk	2,534	2,743	3,177	1,858	1,811	24.6	25.1	27.0	28.1
Yap	2,215	2,111	2,095	1,283	1,233	21.5	19.3	17.8	19.4

Note: ¹ Data include expatriates.

² Social security data (1994-1997) are obtained through the FOCUS program.

Source: FSM Social Security Office.

Table 4.2. Government Employees by Sex, FSM: CY1993 to CY1997

Year	Total	Number of Employees	
		Male	Female
Total FSM			
1997	6,184	4,482	1,702
1996	7,080	5,126	1,954
1995	8,182	5,920	2,262
1994	7,908	5,715	2,193
1993	8,170	5,909	2,261
National			
1997	692	484	208
1996	879	595	284
1995	924	622	302
1994	823	554	269
1993	808	545	263
Kosrae			
1997	759	591	168
1996	860	640	220
1995	849	663	186
1994	976	749	227
1993	1,075	779	296
Pohnpei			
1997	1,573	1,111	462
1996	1,881	1,351	530
1995	2,225	1,568	657
1994	1,730	1,214	516
1993	2,011	1,463	548
Chuuk			
1997	2,134	1,578	556
1996	2,285	1,704	581
1995	3,001	2,193	808
1994	3,049	2,245	804
1993	2,806	2,083	723
Yap			
1997	1,026	718	308
1996	1,175	836	339
1995	1,183	874	309
1994	1,330	953	377
1993	1,470	1,039	431

Note: Data is obtained through the FOCUS program.

Source: FSM Social Security Office.

Table 4.3. Private Sector Employees Enrolled in Social Security by Economic Activity and State: CY1997

Economic Activity	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	10,285	645	4,891	2,534	2,215
Agriculture	70	1	49	0	20
Fishing	767	129	198	250	190
Mining & Quarrying	0	0	0	0	0
Manufacturing	855	0	153	25	677
Electrical, Gas & Water	33	33	0	0	0
Construction	1,058	44	765	198	51
Wholesale & Retail Trade	2,701	247	1,070	919	465
Hotel & Restaurant	554	52	198	179	125
Transportation, Storage & Communication	733	9	593	87	44
Financial Intermediation	246	27	170	20	29
Real Estate, Renting & Business Activities	52	0	52	0	0
Education	287	0	142	136	9
Other Services ¹	2,929	103	1,501	720	605

Note: ¹Includes nonprofit organization, miscellaneous services, cooperative and multi-industries.

²Data obtain through the FOCUS program.

Source: FSM Social Security Office.

Table 4.4. Public and Private Sector Employees by Salary Level, FSM: CY1997

Salary Level	Total	Public						Private				
		Total	National	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	16,469	6,184	692	759	1,573	2,134	1,026	10,285	645	4,891	2,534	2,215
Less than \$3000	7,780	1,121	1	82	192	552	294	6,659	441	2,676	1,944	1,598
\$3,000 - \$3,999	1,618	740	7	126	48	393	166	878	75	366	228	209
\$4,000 - \$4,999	1,354	719	25	118	92	393	91	635	35	342	137	121
\$5,000 - \$5,999	1,025	600	17	88	111	261	123	425	23	256	65	81
\$6,000 - \$6,999	836	519	72	57	117	165	108	317	13	206	44	54
\$7,000 - \$7,999	653	392	56	64	134	102	36	261	16	177	31	37
\$8,000 - \$8,999	495	315	47	64	112	60	32	180	9	129	20	22
\$9,000 - \$9,999	420	262	62	26	97	48	29	158	5	120	16	17
\$10,000 - \$14,999	1,290	894	186	84	403	151	70	396	11	309	28	48
\$15,000 - \$19,999	479	315	91	34	130	9	51	164	9	136	10	9
\$20,000 - \$24,999	265	169	64	9	84	-	12	96	4	77	5	10
\$25,000 - \$29,999	116	62	26	4	23	-	9	54	-	52	2	-
\$30,000 or more	138	76	38	3	30	-	5	62	4	45	4	9

Note: Data are obtained through the FOCUS program.

Source: FSM Social Security Office.

Table 4.5. Expatriate Employment by Nationality: CY 1995 to 1998

Nationality	Total	Government Sector						Private Sector				
		Total	National	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
1998	1,644	265	33	17	132	24	59	1,376	75	672	198	431
Sri Lanka	1	-	-	-	-	-	-	1	-	-	1	-
Japan	73	15	4	-	6	-	5	58	2	30	5	21
Korea	12	1	1	-	-	-	-	11	5	1	5	-
Australia	11	9	2	-	4	-	3	2	-	1	-	1
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-
Philippines	931	89	3	7	46	11	22	839	52	575	162	50
U.S.A.	178	103	17	8	51	5	22	75	10	37	20	8
Others	438	48	6	2	25	8	7	390	6	28	5	351
1997	936	155	36	22	73	24	N/A	781	N/A	601	180	N/A
Sri Lanka	2	-	-	-	-	-	N/A	2	N/A	1	1	N/A
Japan	37	4	3	-	-	1	N/A	33	N/A	27	6	N/A
Korea	12	2	1	-	1	-	N/A	10	N/A	5	5	N/A
Australia	3	2	2	-	-	-	N/A	1	N/A	1	-	N/A
New Zealand	-	-	-	-	-	-	N/A	-	N/A	-	-	N/A
Philippines	722	60	3	17	30	10	N/A	662	N/A	513	149	N/A
U.S.A.	108	64	21	4	34	5	N/A	44	N/A	30	14	N/A
Others	52	23	6	1	8	8	N/A	29	N/A	24	5	N/A
1996	1,566	321	46	23	180	19	53	1,245	71	544	177	453
Sri Lanka	2	1	1	-	-	-	-	1	-	-	1	-
Japan	74	28	3	-	15	2	8	46	-	37	6	3
Korea	6	1	1	-	-	-	-	5	-	-	5	-
Australia	23	17	3	-	13	-	1	6	1	5	-	-
New Zealand	1	1	-	-	1	-	-	-	-	-	-	-
Philippines	843	86	4	17	40	12	13	757	66	404	150	137
U.S.A.	219	147	28	4	84	5	26	72	2	48	10	12
Others	398	40	6	2	27	-	5	358	2	50	5	301
1995	1,659	360	55	27	189	23	66	1,299	69	607	169	454
Sri Lanka	2	1	1	-	-	-	-	1	-	-	1	-
Japan	77	32	3	-	15	2	12	45	2	32	6	5
Korea	12	2	1	-	1	-	-	10	-	5	5	-
Australia	34	25	7	-	14	-	4	9	3	6	-	-
New Zealand	2	1	-	-	1	-	-	1	-	1	-	-
Philippines	915	89	3	18	44	11	13	826	53	472	142	159
U.S.A.	230	159	34	8	84	6	27	71	2	52	10	7
Others	387	51	6	1	30	4	10	336	9	39	5	283

Note: Others include RMI, Fiji, Solomon Is., Tonga, Burma, China, Indonesia, Nepal, Tanzania, Italy, Sweden and Canada.

Sources: Division of Labor & Immigration, FSM; Dept. of C & I and Office of Personnel, Chuuk State; Kosrae State Statistics Office.

Table 4.6. Social Security Pensioners by Type of Benefits, FSM: CY1997

Type of Benefits	Number of Beneficiaries	Total Amount (\$)
Total FSM	5,178	599,635
Retirement(RE)	1,899	383,979
Disability(DI)	76	17,966
Survivor - Spouse(SS)	1,190	137,538
Survivor - Children(DC)	2,013	60,152
Kosrae	451	53,209
Retirement(RE)	195	35,724
Disability(DI)	4	1,170
Survivor - Spouse(SS)	99	11,548
Survivor - Children(DC)	153	4,766
Pohnpei	1,707	207,952
Retirement(RE)	615	132,425
Disability(DI)	26	5,723
Survivor - Spouse(SS)	398	47,850
Survivor - Children(DC)	668	21,955
Chuuk	2,401	258,759
Retirement(RE)	834	162,702
Disability(DI)	38	9,084
Survivor - Spouse(SS)	540	60,307
Survivor - Children(DC)	989	26,666
Yap	619	79,715
Retirement(RE)	255	53,128
Disability(DI)	8	1,989
Survivor - Spouse(SS)	153	17,833
Survivor - Children(DC)	203	6,765

Note: Data are obtained through the FOCUS program.

Source: FSM Social Security Office.

Table 4.7. Labor Force Participation by State, FSM: 1994

Labor Force Status	Total	Kosrae	Pohnpei	Chuuk	Yap
Person 15 years and over	59,573	4,251	19,500	29,068	6,754
In the Labor Force	25,972	2,079	9,020	11,140	3,733
Percent	43.6	48.9	46.3	38.3	55.3
Employed	21,756	1,766	7,703	8,922	3,365
Formal Workforce	14,381	1,386	5,539	5,373	2,083
Agriculture/Fishing	7,375	380	2,164	3,549	1,282
Subsistence	5,874	98	1,408	3,119	1,249
Market Oriented	1,501	282	756	430	33
Unemployed	4,216	313	1,317	2,218	368
Percent	16.2	15.1	14.6	19.9	9.9
Not in the Labor Force	33,601	2,172	10,480	17,928	3,021
Could have taken a job	6,125	754	1,645	3,335	391
Not available for work	27,476	1,418	8,835	14,593	2,630

Source: 1994 FSM Census.

Table 4.8. Labor Force Participation by Age Group, FSM: 1994

Age Group	Total	Kosrae	Pohnpei	Chuuk	Yap
Persons 15 years and over	59,573	4,251	19,500	29,068	6,754
In labor force	25,972	2,079	9,020	11,140	3,733
15-19	2,214	85	775	1,106	248
20-24	3,820	288	1,324	1,598	610
25-34	7,410	690	2,716	3,008	996
35-44	6,989	567	2,370	2,989	1,063
45-54	3,370	329	1,108	1,471	462
55-64	1,595	100	515	731	249
65+	574	20	212	237	105
Males 15 years and over	30,127	2,232	9,954	14,687	3,254
In labor force	17,098	1,457	6,035	7,557	2,049
15-19	1,386	37	515	730	104
20-24	2,194	181	810	977	226
25-34	4,794	478	1,739	2,010	567
35-44	4,682	406	1,611	2,021	644
45-54	2,460	267	813	1,078	302
55-64	1,173	73	384	571	145
65+	409	15	163	170	61
Females 15 years and over	29,446	2,019	9,546	14,381	3,500
In labor force	8,874	622	2,985	3,583	1,684
15-19	828	48	260	376	144
20-24	1,626	107	514	621	384
25-34	2,616	212	977	998	429
35-44	2,307	161	759	968	419
45-54	910	62	295	393	160
55-64	422	27	131	160	104
65+	165	5	49	67	44

Source: 1994 FSM Census.

Table 4.9. Number of Employees by Age Group and Sectors: 1994

Age Group	Total	Kosrae	Pohnpei	Chuuk	Yap
Experienced formal workforce ¹					
persons 15+ years	19,016	1,894	7,320	6,838	2,964
15-19	1,008	63	441	319	185
20-24	2,429	217	1,014	661	537
25-34	5,502	619	2,269	1,789	825
35-44	5,635	544	2,032	2,227	832
45-54	2,844	323	1,008	1,146	367
55-64	1,302	113	442	564	183
65+	296	15	114	132	35
Public	9,262	1,005	3,002	3,891	1,502
15-19	265	15	84	84	82
20-24	661	75	249	189	148
25-34	2,332	267	821	850	394
35-44	3,346	330	996	1,502	518
45-54	1,804	230	560	798	216
55-64	854	80	257	395	122
65+	138	8	35	73	22
Private	9,616	889	4,318	2,947	1,462
15-19	743	48	357	235	103
20-24	1,768	142	765	472	389
25-34	3,170	352	1,448	939	431
35-44	2,289	214	1,036	725	314
45-54	1,040	93	448	348	151
55-64	448	33	185	169	61
65+	158	7	79	59	13

Note: ¹All persons at a paid job including those who were temporarily absent and persons who were not working the week before the census but did work in the 5 years prior to the census; Labor Force classification used above is based on United Nations International Labor Organization (ILO)'s definitions. United States labor force definition includes subsistence and uses persons age 16 years and over.

Source: 1994 FSM Census.

Table 4.10 Labor Force Participation of persons 25 years and over by Educational Attainment, FSM: 1994

Educational Attainment of persons 25 years and over	Total	Employed	Unemployed
Total	19,938	17,693	2,245
Less than High School ²	10,809	9,090	1,719
High School Graduates	3,557	3,253	304
College but no degree	2,119	1,971	148
A.S Occupational	986	957	29
A.S Academic	958	936	22
B.A	988	971	17
Higher Degree	521	515	6
Kosrae	1,706	1,526	180
Less than High School ²	699	571	128
High School Graduates	308	274	34
College but no degree	251	237	14
A.S Occupational	179	177	2
A.S Academic	111	111	0
B.A	132	131	1
Higher Degree	26	25	1
Pohnpei	6,921	6,229	692
Less than High School ²	4,053	3,521	532
High School Graduates	1,045	961	84
College but no degree	595	553	42
A.S Occupational	324	309	15
A.S Academic	337	328	9
B.A	400	395	5
Higher Degree	167	162	5
Chuuk	8,436	7,194	1,242
Less than High School ²	4,840	3,838	1,002
High School Graduates	1,416	1,272	144
College but no degree	907	834	73
A.S Occupational	349	341	8
A.S Academic	327	317	10
B.A	305	300	5
Higher Degree	292	292	0
Yap	2,875	2,744	131
Less than High School ²	1,217	1,160	57
High School Graduates	788	746	42
College but no degree	366	347	19
A.S Occupational	134	130	4
A.S Academic	183	180	3
B.A	151	145	6
Higher Degree	36	36	0

Note: ¹ Labor Force classification used above is based on United Nations International Labor Organization (ILO)'s definitions. United States labor force definition includes subsistence and uses persons age 16 years and over.

² Less than high school includes elementary and some high school .

Source: 1994 FSM Census.

Table 4.11. Subsistence Activities by State, FSM : 1994

Subsistence					
Activities	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	4,330	82	1,266	2,025	957
Gardening	2,551	42	913	896	700
Home used	1,374	25	389	588	372
Sold any	277	5	211	47	14
Gave away	900	12	313	261	314
Animal Raising	113	11	51	42	9
Home used	50	7	19	20	4
Sold any	26	4	12	10	0
Gave away	37	0	20	12	5
Fishing	1,666	29	302	1,087	248
Home used	657	15	65	458	119
Sold any	262	5	114	137	6
Gave away	747	9	123	492	123

Source: 1994 FSM Census.

Table 4.12. Number of Government Employees by Occupation, FSM: 1994

Occupation	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	19,010	1,892	7,319	6,836	2,963
Legislators, senior officials and managers	1,181	109	431	430	211
Professionals	1,914	158	571	924	261
Technicians and associated professionals	3,219	323	983	1,196	717
Clerks	3,069	275	1,395	1,018	381
Service workers, shop and market sales persons	2,650	198	942	1,147	363
Skilled agricultural and fishery workers	1,384	271	549	403	161
Craft and related workers	2,482	266	1,215	574	427
Plant & machine operators and assemblers	1,143	111	478	393	161
Elementary occupation	1,968	181	755	751	281

Note: ¹ Labor Force classification used above is based on United Nations International Labor Organization (ILO)'s definitions. United States labor force definition includes subsistence and uses persons age 16 years and over.

Source: 1994 FSM Census.

Table 4.13. Change in the Number of Employees by Sector and Age Group, FSM: CY1994, 1997 & 1998.

Age Group	Number			Percent			Percent Change	
	1998 ¹	1997 ¹	1994	1998	1997	1994	1997-1998	1994-1997
Person 15 years & over	30,492	30,924	19,016	100.0	100.0	100.0	-1.4	62.6
15-19	2,674	2,474	1,008	8.8	8.0	5.3	8.1	145.4
20-24	4,175	3,482	2,429	13.7	11.3	12.8	19.9	43.4
25-34	7,923	7,036	5,502	26.0	22.8	28.9	12.6	27.9
35-44	7,439	7,888	5,635	24.4	25.5	29.6	-5.7	40.0
45-54	5,664	6,123	2,844	18.6	19.8	15.0	-7.5	115.3
55-64	1,776	2,832	1,302	5.8	9.2	6.8	-37.3	117.5
65+	841	1,089	296	2.8	3.5	1.6	-22.8	267.9
Public	15,775	19,097	9,400	100.0	121.1	59.6	-17.4	103.2
15-19	337	379	265	2.1	2.4	1.7	-11.1	43.0
20-24	1,481	1,112	661	9.4	7.0	4.2	33.2	68.2
25-34	3,226	4,056	2,332	20.5	25.7	14.8	-20.5	73.9
35-44	4,609	5,438	3,346	29.2	34.5	21.2	-15.2	62.5
45-54	4,169	4,890	1,804	26.4	31.0	11.4	-14.7	171.1
55-64	1,228	2,159	854	7.8	13.7	5.4	-43.1	152.8
65+	725	1,063	138	4.6	6.7	0.9	-31.8	670.3
Private	14,717	11,827	9,616 ^f	100.0	100.0	100.0	24.4	23.0
15-19	2,337	2,095	743 ^f	15.9	17.7	7.7	11.6	182.0
20-24	2,694	2,370	1,768 ^f	18.3	20.0	18.4	13.7	34.0
25-34	4,697	2,980	3,170	31.9	25.2	33.0	57.6	-6.0
35-44	2,830	2,450	2,289	19.2	20.7	23.8	15.5	7.0
45-54	1,495	1,233	1,040	10.2	10.4	10.8	21.2	18.6
55-64	548	673	448	3.7	5.7	4.7	-18.6	50.2
65+	116	26	158	0.8	0.2	1.6	346.2	-83.5

Note: ¹1998 & 1997 data are provisional and they are not comparable to 1994 data due to the complication on program definition.

Sources: 1994 FSM Census; 1997 Labor Force Survey; 1998 Household Income and Expenditure Survey.

Table 4.14. Labor Force Participation Change Overtime in the FSM: 1994, 1997 and 1998.

Labor Force Status	Number			Percent			Percent Change	
	1998	1997	1994	1998	1997	1994	1997	1994
							to 1998	to 1997
Person 15+ years	68,377	64,862	59,573	100.0	100.0	100.0	5.4	8.9
In the Labor Force	35,033	39,311	25,972	51.2	60.6	43.6	-10.9	51.4
Employed	32,254	30,929	21,756	47.2	47.7	36.5	4.3	42.2
Formal Workforce	15,940	16,908	14,381	23.3	26.1	24.1	-5.7	17.6
Agriculture/Fishing	16,314	14,021	7,375	23.9	21.6	12.4	16.4	90.1
Subsistence	10,166	8,368	5,874	14.9	12.9	9.9	21.5	42.5
Market Oriented	6,148	5,653	1,501	9.0	8.7	2.5	8.8	276.6
Unemployed	2,779	8,382	4,216	4.1	12.9	7.1	-66.8	98.8
Not in the Labor Force	33,344	25,551	33,601	48.8	39.4	56.4	30.5	-24.0
Could have taken a job	879	623	6,125	1.3	1.0	10.3	41.1	-89.8
Not available for work	32,465	24,928	27,476	47.5	38.4	46.1	30.2	-9.3

Note: Data for 1998 and 1997 are provisional and may not be comparable to 1994 data due to the complication on program definition.

Sources: 1994 FSM Census; 1997 Labor Force Survey; 1998 Household Income and Expenditure Survey.

Table 4.15. Household, Family and Individual Income by State, FSM: CY1994, 1997 & 1998.

State	Number			Median Income (\$)		
	1998	1997	1994	1998	1997	1994
Household						
Total	14,797	13,210	11,233	4,604	5,212	4,694
Kosrae	945	919	907	8,642	7,169	6,739
Pohnpei	5,032	4,829	4,025	4,787	6,418	7,503
Chuuk	7,026	5,573	4,875	3,586	4,073	2,444
Yap	1,794	1,889	1,426	6,875	6,131	5,998
Family						
Total	14,192	12,821	10,649	4,693	5,118	4,473
Kosrae	945	907	875	8,421	6,942	6,574
Pohnpei	4,765	4,619	3,793	4,857	6,428	7,084
Chuuk	6,856	5,548	4,696	3,627	4,074	2,268
Yap	1,626	1,747	1,285	7,379	6,096	5,810
Individuals 15+ years with income						
Total	35,141	30,231	20,924	1,366	2,130	2,637
Kosrae	2,512	1,742	2,052	3,866	4,555	3,253
Pohnpei	10,795	11,427	7,032	1,038	3,872	4,312
Chuuk	17,684	11,675	9,283	1,859	2,455	987
Yap	4,150	5,387	2,557	3,931	1,615	3,509

Note: Data for 1998 and 1997 are provisional and may not be comparable to 1994 data due to the complication on program definition.

Source: 1994 FSM Census; 1997 Labor force Survey; 1998 Household Income and Expenditure Survey.

Chapter 5: Summary of Fisheries, Forestry and Agriculture

Fish catch and sale reported in this chapter includes only those for domestic use. The fish exports whether raw or processed are excluded. Reef fish purchases remained at over 800,000 pounds and dropped to almost half due the suspected under-reporting during 1997 in Pohnpei. The highest peak for pelagic fish purchases was in 1996 but since the price is lower than reef fish, the total amount was lower than reef fish.

In FSM, the harvest on trochus shell is seasonal so some states reported blank or N/A for not available. The clams reported were only for Chuuk. The other states did not have records on clam purchases for all the periods observed in this chapter.

Pohnpei Island is the biggest island in the FSM then Kosrae so they contributed almost half and almost 1/3 respectively, of the total forest area in the FSM. Chuuk State had the least then Yap State. When looking at the non-forest area, Yap had the largest (6,755 acres) and they are mainly grasslands.

Data on agricultural products reported in this chapter were either not reported or under reported. Until the time this was sent for printing, there was no data at all received on local agricultural products for Yap. According to Yap Statistics Office staff, there are some local markets in Yap but they didn't have any record on local produce sales. According to the table on local produce purchases, banana had the highest purchases both in volume and value. Other products were either no data or only one or two states sent reports.

Copra production in FSM fluctuates and the best year was in 1995. Kosrae had the least production of copra and for the observed period, they made a total of only 11 shorts tons while the rest of the states exceeded 1,000.

Table 5.1. Fish and Shell Fish Purchased by Local Fishing Market, 1995 to 1997

Type of Fish	Quantity (lbs.)				Amount (\$)			
	1997	1996	1995	1994	1997	1996	1995	1994
Total FSM								
Reef Fish	448,804	863,699	876,795	817,319	543,374	1,067,101	1,032,352	918,807
Pelagic Fish	607,459	940,528	560,934	509,033	578,549	1,064,217	746,341	621,595
Lobsters	3,550	41,865	36,067	37,591	5,112	54,290	48,042	60,514
Trochus ¹	N/A	37,377	N/A	N/A	N/A	82,228	N/A	N/A
Clam	8,000	9,681	8,964	8,300	10,000	12,774	11,205	9,827
Octopus	32,609	32,163	29,321	27,097	40,709	48,986	36,541	27,592
Mangrove Crab	4,050	16,419	29,355	35,041	10,125	35,154	73,226	86,125
Kosrae								
Reef Fish	46,635	34,441	32,554	11,346	65,293	48,218	23,253	15,885
Pelagic Fish	504,669	462,900	28,829	23,502	428,969	358,240	33,917	19,977
Lobsters	1,350	1,250	857	1,200	2,362	2,187	1,500	2,100
Trochus	...	37,377	...	...	...	82,228	...	...
Clam	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Octopus	209	973	441	356	209	973	441	356
Mangrove Crab	...	3,904	218	1,971	...	3,866	383	3,450
Pohnpei ²								
Reef Fish	1,655	171,409	231,357	205,556	1,766	222,832	279,942	205,556
Pelagic Fish	25,590	100,591	176,410	156,184	33,780	85,502	172,881	132,756
Lobsters	N/A	5,338	5,059	10,541	N/A	8,007	8,853	13,176
Trochus	...	...	...	...	...	...	...	...
Clam	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Octopus	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mangrove Crab	4,050	12,515	29,137	33,070	10,125	31,288	72,843	82,675
Chuuk								
Reef Fish	315,600	566,189	483,922	414,885	394,500	707,737	604,903	518,607
Pelagic Fish	77,200	377,037	355,695	329,347	115,800	620,475	539,543	468,862
Lobsters	2,200	35,277	30,151	25,850	2,750	44,096	37,689	45,238
Trochus	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Clam	8,000	9,681	8,964	8,300	10,000	12,774	11,205	9,827
Octopus	32,400	31,190	28,880	26,741	40,500	48,013	36,100	27,236
Mangrove Crab	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Yap								
Reef/Pelagic Fish ⁴	84,914	91,660	128,962	185,532	81,815	88,314	124,254	178,759
Lobsters	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Trochus	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Clam	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Octopus	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mangrove Crab	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: ¹ There was no harvesting of trochus shell in 1994, 1995 and 1997 for Kosrae and 1994 - 1997 for Pohnpei.

² 1997 data is based on only 3 sources.

³ Includes other types of seafood not listed.

⁴ Yap Fishing Authority is the only fish outlet in Yap and their records combined reef and pelagic fish.

Sources: Statistical yearbooks for the respective states; Kosrae Dept. of Marine Resources; Yap Fishing Authority.

Table 5.2. Type of Fish and Average Price per Pound, FSM 1994 to 1997

Type of Fish	Price Per Pound (\$)			
	1997	1996	1995	1994
Total FSM				
Reef Fish	1.25	1.24	1.04	1.14
Pelagic Fish	1.15	1.09	1.20	1.06
Lobsters	2.00	1.81	1.88	1.88
Trochus	...	1.85	...	...
Clam	1.25	1.32	1.25	1.18
Octopus	1.42	1.51	1.42	1.34
Mangrove Crab	2.50	2.00	2.00	2.25
Kosrae				
Reef Fish	1.40	1.40	0.71	1.40
Pelagic Fish	0.85	0.77	1.18	0.85
Lobsters	1.75	1.75	1.75	1.75
Trochus	...	2.20	N/A	N/A
Clam	N/A	N/A	N/A	N/A
Octopus	1.00	1.00	1.00	1.00
Mangrove Crab	N/A	0.99	1.76	1.75
Pohnpei				
Reef Fish	1.07	1.30	1.21	1.00
Pelagic Fish	1.32	0.85	0.98	0.85
Lobsters	N/A	1.50	1.75	1.25
Trochus	...	...	...	...
Clam	N/A	N/A	N/A	N/A
Octopus	N/A	N/A	N/A	N/A
Mangrove Crab	2.50	2.50	2.50	2.50
Chuuk				
Reef Fish	1.25	1.25	1.25	1.25
Pelagic Fish	1.50	1.65	1.52	1.42
Lobsters	1.25	1.25	1.25	1.75
Trochus	...	...	...	...
Clam	1.25	1.32	1.25	1.18
Octopus	1.25	1.54	1.25	1.02
Mangrove Crab	N/A	N/A	N/A	N/A
Yap				
Reef Fish	1.10	1.00	1.00	0.90
Pelagic Fish	1.10	1.10	1.10	1.10
Lobsters	3.00	2.75	2.75	2.75
Trochus	...	1.50	...	...
Clam	N/A	N/A	N/A	N/A
Octopus	2.00	2.00	2.00	2.00
Mangrove Crab	2.50	2.50	2.50	2.50

Sources: Statistics Units in the respective states.

Table 5.3. Foreign Fishing Vessel Activity within the FSM 200 Mile Economic Zone, FSM: 1994 to 1998

Calendar Year	Total Fishing in FSM Water	Vessels Landed at State Levels			
		Kosrae	Pohnpei	Chuuk	Yap
1998	478	N/A	N/A	63	12
1997	507	34	17	79	69
1996	542	34	153	35	9
1995	564	34	105	89	229
1994	513	33	47	85	904

Sources: Statistics Units in the respective states; Pacific Tuna Industry in Kosrae; Sea Transportation and Attorney General Office in Yap.

Table 5.4. Forest and Non-Forest Land Classes and Type, FSM: 1997

Land Type	Total FSM	Area(acres)			
		Kosrae	Pohnpei	Chuuk	Yap
Total Forest and Non-Forest	99,860	27,250	41,200	10,283	21,127
Total Forest	88,963	26,578	39,098	8,915	14,372
Upland Forest	35,308	12,725	17,099	1,647	3,837
Mangrove Forest	13,089	3,905	5,525	765	2,894
Palm Forest	1,735	N/A	1,730	5	N/A
Swamp Forest	1,145	345	417	N/A	383
Atoll Forest	6	N/A	6	N/A	N/A
Plantation Forest	12	4	6	2	N/A
Dwarf Forest	70	69	1	N/A	N/A
Secondary Vegetation	7,901	3,147	2,766	622	1,366
Total Agro Forest	29,697	6,383	11,548	5,874	5,892
Agro Forest	12,101	2,358	5,836	163	3,744
Agro Forest & Coconut	10,068	1275	946	5,711	2,136
Coconut Plantation	7,528	2750	4,766	N/A	12
Total Non-Forest	10,897	672	2,102	1,368	6,755
Swamp, Freshwater	607	63	149	12	383
Swamp, saline	634	12	29	578	15
Grasslands	7,323	43	1,476	430	5,374
Cropland	206	5	79	7	115
Urban	1,229	128	180	319	602
Urban with Agriculture	380	168	62	N/A	150
Barren	40	5	2	12	21
Water	478	248	125	10	95

Sources: Statistical yearbook for the respective states; Yap Agriculture & Forestry Station.

Table 5.5. Purchases of Local Agricultural Products by Major Local Markets, FSM: 1998

Agricultural Products	Total	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	284,852	90,636	16,705	177,511	-	179,548	45,318	17,986	116,244	-
Cucumber	10,382	808	8,074	1,500	...	9,978	404	8,074	1,500	...
Yam	-	N/A	N/A	N/A	...	0	N/A	N/A	N/A	...
Cabbage	5,800	368	4,832	600	...	6,584	184	6,040	360	...
Pumpkin	127	N/A	127	N/A	...	64	N/A	64	N/A	...
Papaya	2,693	N/A	793	1,900	...	1,519	N/A	379	1,140	...
Potato(sweet)	2,170	26	144	2,000	...	2,070	13	57	2,000	...
Breadfruit	2,646	474	N/A	2,172	...	2,300	237	N/A	2,063	...
Taro	7,071	1,352	N/A	5,719	...	3,536	676	N/A	2,860	...
Banana	192,964	29,994	N/A	162,970	...	120,928	14,997	N/A	105,931	...
Citrus	58,439	57,614	175	650	...	29,369	28,807	172	390	...
Black Pepper	-	N/A	N/A	N/A	...	0	N/A	N/A	N/A	...
Betelnut	2,560	N/A	2,560	N/A	...	3,200	N/A	3,200	N/A	...

Notes: Yap has local market licenses but doing other activities, no record on purchasing of local food.

Sources: Statistics Units in the respective states.

Table 5.6. Copra Production, FSM: CY1994 to CY1998

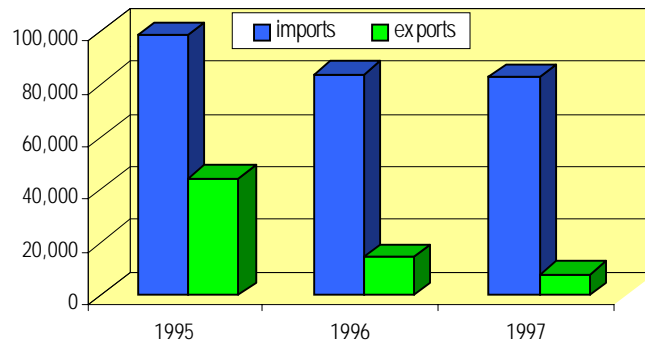
Year	Quantity (tons)					Amount (\$)				
	Total FSM	Kosrae	Pohnpei	Chuuk	Yap	Total FSM	Kosrae	Pohnpei	Chuuk	Yap
1998	928	6	356	257	309	241,224	1,498	92,482	66,784	80,460
1997	511	3	198	82	228	132,782	720	51,384	21,351	59,327
1996	718	-	200	137	381	186,615	-	51,883	35,591	99,141
1995	1210	2	405	359	444	314,644	593	105,362	93,215	115,474
1994	909	2	183	312	413	236,410	450	47,536	81,164	107,260

Source: Coconut Development Authority (CDA), FSM.

Chapter 6: Summary of Trade and Tourism

The total dollar value of both imports and exports declined between 1994 and 1997. The gap between imports and exports values had also widened over the same period, in favor of imports. The imbalance of trade is highest in Pohnpei and lowest in Kosrae in all the years observed.

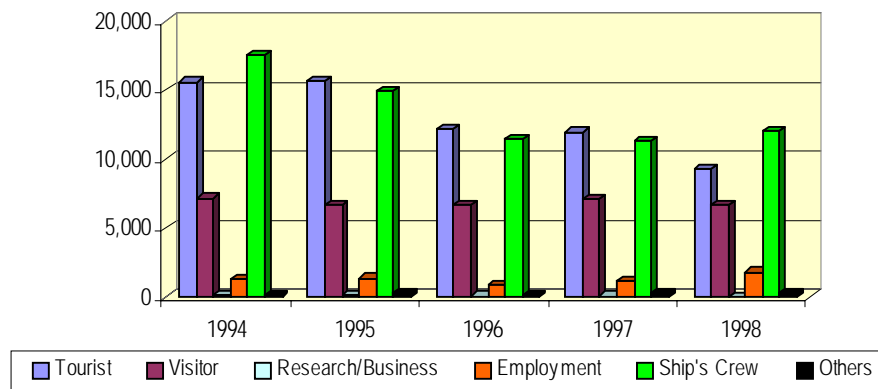
FSM Imports and Exports, 1995 to 1997



USA is the main country of origin of imported commodities, both commercial and government, to the four FSM states. The four largest commercial import commodities were food, manufactured goods, manufactured machinery & vehicles, and petroleum products. Food accounted for about 33 percent of the total value of commercial imports in 1997. The government imports, on the other hand, consist mostly of machinery and vehicles. Vehicles and machinery constitute 42 percent of total government imports in 1997.

Between 1994 and 1997, the major export commodity is tuna fish. However, the exported value of fish commodities declined tremendously from \$298 million to about \$4 million over this period, mostly because of the departure of the Ting Hong fishing ventures in mid 1995.

Expatriates by Purpose of Visit, 1994 to 1998



The number of expatriates in the FSM declined from about 42,000 in 1994 to about 32,000 in 1996 then generally increased to around 37,000 in 1998. About 30 to 40 percent of the expatriates in the reported period were tourists, of which 44 to 47 percent came from Japan. Although the number of tourist entering the country fluctuated over the years it was the major constituents of the expatriates in the FSM. In 1994, to 1996, the destination of tourist in the FSM was mostly Pohnpei, whereas in 1997 and 1998 majority of the tourists were in Kosrae.

Although the number fluctuated, between 1994 and 1998, most of the visitors in the states were from USA. In 1998, about 49 percent of the visitors in the FSM were from USA, of which most were in Pohnpei.

Table 6.1. Imports, Exports, Trade Balance & Ratio of Imports to Exports: CY94 to CY97 [Value in \$]

State/Year	Imports Including Mobil Fuel	Estimated Value of Exports ¹	Trade Balance	Ratio of Imports to Exports	
Total FSM					
1997	82,486,915	8,037,207	(74,449,708)	10.263:1	10.263
1996	83,914,911	14,516,455	(69,398,456)	5.794:1	5.781
1995	98,756,483	44,328,699	(54,427,784)	2.245:1	2.228
1994	129,060,186	84,492,768	(44,567,418)	1.527:1	1.527
Kosrae					
1997	10,702,350	2,940,141	(7,762,209)	3.640:1	3.640
1996	7,284,455	558,990	(6,725,465)	13.031:1	13.031
1995	10,035,240	11,565,922	1,530,682	.868:1	0.868
1994	8,176,465	18,449,673	10,273,208	.443:1	0.443
Pohnpei ²					
1997	37,200,635	3,648,767	(33,551,868)	10.195:1	10.195
1996	43,600,445	10,383,360	(33,217,085)	4.199:1	4.199
1995	43,351,626	11,898,900	(31,452,726)	3.643:1	3.643
1994	45,238,791	30,249,000	(14,989,791)	1.496:1	1.496
Chuuk					
1997	19,576,628	548,088	(19,028,540)	35.718:1	35.718
1996	22,080,467	3,035,964	(19,044,503)	7.273:1	7.273
1995	30,586,390	6,632,396	(23,953,994)	4.612:1	4.612
1994	59,792,719	17,722,232	(42,070,487)	3.374:1	3.374
Yap					
1997	15,007,302	900,211	(14,107,091)	16.671:1	16.671
1996	11,137,509	538,141	(10,599,368)	20.696:1	20.696
1995	15,552,732	14,231,481	(1,321,251)	1.093:1	1.093
1994	15,852,211	18,071,863	2,219,652	0.877:1	0.877

Notes: ¹ Estimated value of exports mentioned above are extracted from each of the four states Statistical Yearbook.

² Imports for Pohnpei State includes the National Government imports.

Sources: FSM Revenue and Taxation, Department of Finance and Administration; Continental Air Micronesia; Statistics Unit, Department of Economic Affairs.

Table 6.2. Commercial Imports by Last Port of Shipment: CY94 to CY97 [Value in \$]

State	Total	Country of Origin					
		U.S. Mainland	Hawaii	Guam	Japan	Australia	Other
Total FSM							
1997	75,525,989	33,616,185	1,072,389	16,006,448	10,191,515	5,008,895	9,630,557
1996	78,134,603	33,875,163	1,213,866	20,143,516	7,712,445	4,928,104	10,261,509
1995	92,565,704	33,307,925	1,321,467	27,126,666	14,546,982	2,501,017	13,761,647
1994	121,145,160	35,203,367	1,374,862	28,875,598	40,924,650	4,374,917	10,391,766
Kosrae							
1997	9,601,902	4,247,029	219,344	564,837	834,017	2,920,073	816,602
1996	6,557,845	3,499,946	126,602	1,624,440	812,461	190,398	303,998
1995	9,006,034	3,453,405	77,601	1,950,292	771,871	192,839	2,560,026
1994	6,986,238	2,852,222	80,479	1,936,173	1,278,485	284,638	554,241
Pohnpei							
1997	33,373,062	14,955,498	619,997	7,455,345	4,155,577	1,547,172	4,639,473
1996	40,295,731	18,362,616	780,562	8,746,603	5,085,043	1,872,304	5,448,603
1995	40,971,324	16,366,689	854,069	9,789,004	7,166,020	1,483,253	5,312,289
1994	42,298,500	16,391,771	817,956	9,809,795	6,798,529	3,379,071	5,101,378
Chuuk							
1997	19,055,374	9,397,414	143,929	4,045,704	3,124,476	177,304	2,166,547
1996	21,626,660	7,989,587	277,264	6,828,486	540,558	2,559,670	3,431,095
1995	29,255,363	8,930,388	350,156	11,583,109	4,938,476	371,641	3,081,593
1994	58,320,000	11,475,862	423,978	12,233,158	30,975,901	510,113	2,700,988
Yap							
1997	13,495,651	5,016,244	89,119	3,940,562	2,077,445	364,346	2,007,935
1996	9,654,367	4,023,014	29,438	2,943,987	1,274,383	305,732	1,077,813
1995	13,332,983	4,557,443	39,641	3,804,261	1,670,615	453,284	2,807,739
1994	13,540,422	4,483,512	52,449	4,896,472	1,871,735	201,095	2,035,159

Sources: FSM Revenue and Taxation, Department of Finance and Administration; FSM Statistics Unit, Department of Economic Affairs.

Table 6.3. Commercial Imports by SITC Category, FSM: CY94 to CY97 [Value in \$]

State and Year	Total	Beverage Food & Tobacco	Crude Materials	Petroleum Products	Animal & Veg. Oil	Chemical	Manu- factured Goods	Machinery & Vehicle	Miscel- laneous Goods	Items N.E.C	
Total FSM											
1997	75,525,989	25,198,165	6,426,697	187,661	8,461,712	82,391	3,363,866	11,276,317	10,208,960	9,980,082	340,138
1996	78,134,603	24,857,262	5,684,805	448,735	11,470,751	50,930	3,158,415	11,802,840	10,399,487	10,261,378	0
1995	92,565,704	27,488,837	5,416,484	335,399	18,400,942	51,952	3,452,599	13,773,770	9,467,564	14,126,032	52,125
1994	121,145,160	25,166,360	6,042,879	240,829	18,386,336	47,612	4,539,048	40,098,993	14,750,332	11,059,661	813,110
Kosrae											
1997	9,601,902	2,845,339	826,734	42,676	2,903,206	21,231	371,620	1,030,895	629,587	930,614	-
1996	6,557,845	2,056,352	789,553	33,120	1,304,361	2,135	256,671	933,554	618,470	563,629	-
1995	9,006,034	3,904,881	654,095	24,029	1,665,296	-	343,352	1,135,986	551,903	715,405	11,087
1994	6,986,238	1,841,480	595,235	9,767	1,503,169	-	432,476	1,268,152	644,471	686,922	4,566
Pohnpei											
1997	33,373,062	10,143,484	2,068,151	33,490	3,679,010	44,458	1,647,769	5,165,016	6,033,724	4,257,853	300,107
1996	40,295,731	11,599,422	2,113,936	292,903	4,688,774	-	1,728,509	6,736,128	6,957,857	6,178,202	-
1995	40,971,324	9,813,273	1,436,847	262,365	5,930,857	25,972	1,929,960	6,318,278	5,789,022	9,459,926	4,824
1994	42,298,500	10,640,369	2,596,820	25,104	5,031,834	38,978	1,938,815	8,096,547	7,937,543	5,216,189	776,301
Chuuk											
1997	19,055,374	8,861,626	1,560,495	30,129	680,705	1,268	975,330	2,011,419	1,779,809	3,154,593	-
1996	21,626,660	8,597,116	1,289,804	51,093	3,766,295	25,332	794,032	2,708,390	1,900,859	2,493,739	-
1995	29,255,363	8,721,107	1,567,605	17,488	8,549,549	21,235	710,736	4,773,971	2,087,816	2,770,987	34,869
1994	58,320,000	9,722,883	1,215,736	14,586	8,514,243	5,371	1,818,148	28,819,484	4,479,034	3,711,466	19,049
Yap											
1997	13,495,651	3,347,716	1,971,317	81,366	1,198,791	15,434	369,147	3,068,987	1,765,840	1,637,022	40,031
1996	9,654,367	2,604,372	1,491,512	71,619	1,711,321	23,463	379,203	1,424,768	922,301	1,025,808	-
1995	13,332,983	5,049,576	1,757,937	31,517	2,255,240	4,745	468,551	1,545,535	1,038,823	1,179,714	1,345
1994	13,540,422	2,961,628	1,635,088	191,372	3,337,090	3,263	349,609	1,914,810	1,689,284	1,445,084	13,194

Source: FSM Statistics Unit, Department of Economic Affairs.

Table 6.4. Government Imports by Port of Origin: CY94 to CY97 [Value in \$]

	Total	Port of Origin					
		U.S. Mainland	Hawaii	Guam	Japan	Australia	Others
Total FSM							
1997	6,960,926	4,129,780	522,567	774,578	151,027	511,022	871,952
1996	5,780,308	3,739,491	697,140	749,694	380,575	29,427	183,981
1995	6,960,784	3,989,710	647,249	1,711,648	216,149	115,798	280,230
1994	7,915,026	4,912,816	925,896	1,082,944	405,396	198,685	389,289
National							
1997	2,380,174	739,996	269,509	251,132	79,127	504,811	535,599
1996	1,529,431	1,186,711	61,717	95,429	167,168	-	18,406
1995	841,997	329,720	158,756	250,240	42,924	13,128	47,229
1994	924,305	359,270	117,817	128,159	63,272	57,513	198,274
Kosrae							
1997	1,100,448	636,545	19,232	115,150	19,291	-	310,230
1996	726,610	447,632	145,034	114,825	8,269	-	10,850
1995	1,029,706	608,787	165,945	192,414	8,610	6,302	47,648
1994	1,190,227	926,067	89,259	95,310	66,601	3,988	9,002
Pohnpei							
1997	1,447,399	1,220,614	31,160	135,394	48,779	4,202	7,250
1996	1,587,318	1,121,632	106,714	185,470	84,399	6,452	82,651
1995	1,538,305	1,078,113	123,278	184,375	42,437	37,939	72,163
1994	2,015,986	863,604	571,713	205,691	176,999	94,248	103,731
Chuuk							
1997	521,254	274,838	40,594	196,073	2,209	-	7,540
1996	453,807	79,022	4,992	228,557	87,887	-	53,349
1995	1,331,027	573,579	58,176	559,502	47,176	21,091	71,503
1994	1,472,719	898,636	38,815	429,815	98,524	-	6,929
Yap							
1997	1,511,651	1,257,787	162,072	76,829	1,621	2,009	11,333
1996	1,483,142	904,494	378,683	125,413	32,852	22,975	18,725
1995	2,219,749	1,399,511	141,094	525,117	75,002	37,338	41,687
1994	2,311,789	1,865,239	108,292	223,969	-	42,936	71,353

Note: Others include; New Zealand, England, Hong Kong, Philippines, CNMI and Malaysia.

Source: Statistics Unit, Department of Economic Affairs.

Table 6.5. Government Imports by SITC Category, FSM: CY94 to CY97 [Value in \$]

National/ State	Total	Food	Beve- rages & Tobacco	Crude Materials	Petrol- eum Products	Animal and Veg. Oil	Chemi- cals	Manu- factured Goods	Machinery & Vehicles	Misc. Manu. Goods	Items N.E.C.
Total FSM											
1997	6,960,926	12,475	55	5,656	389,750	-	941,127	687,148	2,951,527	1,120,989	852,199
1996	5,780,308	73,769	-	179,153	96,046	-	1,111,811	410,036	2,721,649	1,024,405	163,439
1995	6,960,784	176,602	4,085	44,315	19,210	-	1,382,830	643,313	2,134,457	1,864,408	691,564
1994	7,915,026	184,151	2,013	187,264	60,162	4,420	1,156,768	671,422	2,652,000	2,319,432	677,394
National											
1997	2,380,174	768	-	-	6,661	-	120,040	179,995	1,386,100	169,776	516,834
1996	1,529,431	4,440	-	26,840	24,112	-	96,394	167,386	992,131	218,128	-
1995	841,997	3,443	-	58	13,668	-	30,840	18,559	391,248	291,465	92,716
1994	924,305	1,845	-	18	21,408	-	184,189	173,927	323,238	152,492	67,188
Kosrae											
1997	1,100,448	362	55	32	67,057	-	131,909	256,032	426,841	107,363	110,797
1996	726,610	-	-	325	68,593	-	118,280	123,048	202,886	106,074	107,404
1995	1,029,706	-	800	619	3,619	-	226,376	144,516	306,390	235,234	112,152
1994	1,190,227	-	-	42,874	290	-	118,471	286,801	346,351	287,775	107,665
Pohnpei											
1997	1,447,399	11,345	-	4,470	315,989	-	357,817	7,891	337,329	407,457	5,101
1996	1,587,318	38,503	-	125,683	3,341	-	521,112	25,253	387,627	429,764	56,035
1995	1,538,305	99,084	-	7,735	582	-	430,013	270,014	101,147	431,149	198,581
1994	2,015,986	107,594	1,801	85,837	27,184	168	444,555	45,052	496,640	753,681	53,474
Chuuk											
1997	521,254	-	-	-	-	-	89,607	45,522	178,074	176,938	31,113
1996	453,807	225	-	39	-	-	144,845	15,439	264,965	28,294	-
1995	1,331,027	-	1,813	560	1,191	-	399,559	51,122	425,050	354,454	97,278
1994	1,472,719	38	-	135	-	-	198,672	65,159	496,149	505,326	207,240
Yap											
1997	1,511,651	-	-	1,154	43	-	241,754	197,708	623,183	259,455	188,354
1996	1,483,142	30,601	-	26,266	-	-	231,180	78,910	874,040	242,145	-
1995	2,219,749	74,075	1,472	35,343	150	-	296,042	159,102	910,622	552,106	190,837
1994	2,311,789	74,674	212	58,400	11,280	4,252	210,881	100,483	989,622	620,158	241,827

Sources: National and State Supply Offices; FSM Statistics Unit, Department of Economic Affairs.

Table 6.6. Imports by Category, FSM: CY94 to CY97 [Value in \$000]

Product	Year			
	1997	1996	1995	1994
Total	82,487	83,915	98,756	129,060
Food & Live Animals	25,211	24,931	27,663	25,351
Beverages & Tobacco	6,427	5,685	5,410	6,045
Crude Materials	193	628	380	428
Petroleum Products	8,851	11,567	17,747	18,446
Animal & Veg. Oil	82	51	52	52
Chemicals	4,305	4,270	5,005	5,696
Manufactured Goods	11,963	12,213	13,938	40,770
Machinery/Transport	13,160	13,121	11,596	17,402
Misc. Manufactured	11,101	11,286	12,678	13,379
Items N.E.C	1,192	163	4,287	1,491

Sources: FSM Revenue and Taxation, Department of Finance and Administration; National Statistics Unit; Statistics Unit in the respective states.
respective states.

Table 6.7. Major Food Items Imported, FSM: CY94 to CY97 [Value in \$000]

Items	Year			
	1997	1996	1995	1994
Total	16,255	9,550	11,856	14,215
Canned Meat	1,147	1,617	1,638	1,990
Canned Fish	1,730	977	1,041	1,226
Frozen Meat	3,089	936	1,106	1,976
Poultry	2,670	1,784	1,748	1,557
Eggs	89	122	205	132
Rice	4,566	2,584	3,459	4,261
Flour	627	494	666	735
Noodles, etc	1,587	529	1,127	1,589
Fruits/Veg. ¹	750	507	866	749

Note: ¹ The value on noodles etc., fruits and vegetables for the State of Kosrae is not available.

Sources: FSM Revenue and Taxation Section; FSM Statistics Unit; Statistics Units in the respective states.

Table 6.8. Estimated Values of Selected Exports in FSM: CY94 to CY97 [Value in \$000]

State	Total	Items							
		Copra	Black Pepper	Bananas	Trochus Shell	Fish ¹	Crabs & Lobsters	Coconut Oil/ Soap Prod.	Handicrafts
Total FSM									
1997	4,698,114	59,385	-	154,317	-	4,351,025	89304 ^R	27,248	16,835
1996	10,777,986	57,420	-	39,320	155,084	9,845,548	50,830	48,653	581,131
1995	34,814,245	81,500	95,000	397,577	86,504	33,948,060	113,909	44,140	47,555
1994	62,869,190	389,524	95,300	455,628	429,892	61123050 ^R	97,205	38,567	240,024
Kosrae									
1997	2,860,399	-	-	-	-	2,860,369	-	30	-
1996	799,567	-	-	14,997	-	358,240	-	-	426,330
1995	11,577,973	-	-	20,442	-	11,525,951	-	-	31,580
1994	17,835,406	-	-	12,971	-	17,822,161	-	274	-
Pohnpei									
1997	1,523,495	51,385	-	106,207	-	1,135,703	20,030 ³	27,218	2,679
1996	7,841,910	57,420	-	8,191	-	7,656,283	16,767	48,653	54,596
1995	8,253,700	81,500	95,000	11,300	-	7,969,900	52,200	43,800	-
1994	264,983,634	82,154	95,300	79,876	297,400	26,413,000 ⁴	52,200	37,900	208,800
Chuuk									
1997	375,229	4,000	-	44,862	-	285,594	40,773	-	-
1996	1,908,689	-	-	2,134	-	1,818,351	3,624	-	84,580
1995	4,856,203	-	-	316,717	163	4,476,194	47,914	340	14,875
1994	16,091,391	167,907	-	337,781	19,492	15,504,589	45,005	393	16,224
Yap									
1997	119,264	4,000	-	3,248	-	69,359	28,501	-	14,156
1996	227,820	-	-	13,998	155,084	12,674	30,439	-	15,625
1995	10,126,369	-	-	49,118	86,341	9,976,015	13,795	-	1,100
1994	1,675,763	139,463	-	25,000	113,000	1,383,300	-	-	15,000

Note ¹ The value of Tuna exported include transshipment fee; reef fish exports is not included.

² Estimated based on a US\$90 tourist daily expenditure assuming three(3) days as the average length of stay.

³ Includes clams. The export value was not available thus local market selling prices of \$2.25 for crabs & lobsters and \$1.25 for clams were used in obtaining the estimated export value.

⁴ The large amount of tuna fish exported was mainly due to the fish operations by Ting Hong and Economic Development Authority (EDA).

Sources: National and State Statistics Units; Pohnpei State Economic Development Authority (EDA).

Table 6.9. Expatriates to FSM by Purpose of Visit: 1994 to 1998

State/Year	Total	Purpose of Visit					Ship's Crew	Others
		Tourist	Visitor	Research/ Business	Employment			
Total FSM								
1998	30,321	9,309	6,713	84	1,854	12,039	322	
1997	31,792	11,941	7,068	92	1,159	11,246	286	
1996	31,516	12,215	6,700	117	883	11,424	177	
1995	39,076	15,686	6,671	167	1,415	14,866	271	
1994	41,873	15,574	7,173	200	1,302	17,469	155	
Kosrae								
1998	6,722	421	871	11	174	5,064	181	
1997	6,232	463	1,619	14	99	3,872	165	
1996	2,034	826	421	25	134	610	18	
1995	3,188	1,679	50	19	379	1,032	29	
1994	3,163	1,387	191	43	246	1,279	17	
Pohnpei								
1998	10,163	3,198	3,783	28	488	2,572	94	
1997	10,082	4,307	3,133	16	364	2,184	78	
1996	10,563	4,688	4,027	22	380	1,342	104	
1995	11,346	5,934	3,587	31	476	1,193	125	
1994	15,005	6,366	4,337	39	556	3,617	90	
Chuuk								
1998	7,309	3,279	1,309	12	338	2,329	42	
1997	8,125	3,775	1,269	17	513	2,515	36	
1996	7,295	3,377	933	30	209	2,699	47	
1995	9,978	3,669	1,895	64	299	3,941	110	
1994	13,993	3,448	1,760	41	345	8,365	34	
Yap								
1998	6,127	2,411	750	33	854	2,074	5	
1997	7,353	3,396	1,047	45	183	2,675	7	
1996	11,624	3,324	1,319	40	160	6,773	8	
1995	14,564	4,404	1,139	53	261	8,700	7	
1994	9,712	4,373	885	77	155	4,208	14	

Source: Immigration and Labor Division, FSM Department of Justice.

Table 6.10. Tourist by Country of Origin: CY94 to CY98

State/Year	Total	U.S.A.	Canada	Central America	South America	Europe	Australia	New Zealand	South Pacific	Japan	Others
Total FSM											
1998	9,309	3,319	142	11	13	1,074	271	44	7	4,062	366
1997	11,941	4,118	197	2	68	1,024	294	66	7	5,331	834
1996	12,215	4,148	158	1	3	1,049	347	33	7	5,711	758
1995	15,686	5,586	193	5	19	1,036	410	61	16	7,063	1,297
1994	15,574	4,906	141	11	42	1,111	441	61	13	7,114	1,734
Kosrae											
1998	421	210	6	1	-	49	10	-	-	132	13
1997	463	258	12	-	-	39	8	5	3	109	29
1996	826	463	13	-	-	70	12	5	-	158	105
1995	1,679	932	13	-	-	79	16	5	3	325	306
1994	1,387	366	17	1	2	47	17	6	2	244	685
Pohnpei											
1998	3,198	784	26	2	5	170	164	25	4	1,899	119
1997	4,307	1,128	41	-	21	238	183	44	3	2,424	225
1996	4,688	873	33	-	-	190	149	12	6	3,217	208
1995	5,934	932	11	-	10	178	154	18	8	4,391	232
1994	6,366	1,168	18	6	-	239	278	34	3	4,333	287
Chuuk											
1998	3,279	1,207	43	4	5	454	67	10	3	1,318	168
1997	3,775	1,298	64	1	39	377	51	5	1	1,539	400
1996	3,377	1,378	37	-	1	341	130	7	1	1,277	205
1995	3,669	1,599	64	-	4	353	171	19	2	1,139	318
1994	3,448	1,440	43	-	16	352	77	10	3	1,298	209
Yap											
1998	2,411	1,118	67	4	3	401	30	9	-	713	66
1997	3,396	1,434	80	1	8	370	52	12	-	1,259	180
1996	3,324	1,434	75	1	2	448	56	9	-	1,059	240
1995	4,404	2,123	105	5	5	426	69	19	3	1,208	441
1994	4,373	1,932	63	4	24	473	69	11	5	1,239	553

Sources: Immigration and Labor Division, FSM Department of Justice.

Table 6.11. Number of Tourists and Estimated Tourist Expenditure by State, FSM: 1994 to 1998

Year	Number of Tourist					Tourist Expenditure ¹ (\$)				
	Total	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
1998	9,309	421	3,198	3,279	2,411	2,513,430	113,670	863,460	885,330	650,970
1997	11,941	463	4,307	3,775	3,396	3,224,070	125,010	1,162,890	1,019,250	916,920
1996	12,215	826	4,688	3,377	3,324	3,298,050	223,020	1,265,760	911,790	897,480
1995	15,686	1,679	5,934	3,669	4,404	4,235,220	453,330	1,602,180	990,630	1,189,080
1994	15,574	1,387	6,366	3,448	4,373	5,139,420	457,710	2,100,780	1,137,840	1,443,090

Note: ¹ For 1995 to 1998 the expenditure per tourist was estimated to be US\$90 per day, assuming three (3) days as the average length of stay. In 1994 the tourist expenditure was estimated at US\$110 per day.

Source: Immigration and Labor Division, FSM Department of Justice

Table 6.12. Visitors by Country of Origin: CY94 to CY98

State/Year	Total	U.S.A.	Canada	Central America	South America	Europe	Aust- ralia	New Zealand	South Pacific	Japan	Asia	Other
Total FSM												
1998	6,713	3,275	60	10	4	309	319	126	238	581	1,782	9
1997	7,068	3,418	54	2	7	180	236	83	122	454	2,511	1
1996	6,700	3,350	73	1	4	265	244	76	112	523	2,048	4
1995	6,671	3,049	48	5	13	198	285	83	67	727	2,190	6
1994	7,173	3,333	44	3	2	242	216	60	60	537	2,659	17
Kosrae												
1998	871	421	2	1	1	11	12	16	12	43	352	-
1997	1,619	534	7	-	-	7	12	8	20	30	1,001	-
1996	421	163	2	-	-	3	3	-	1	4	245	-
1995	50	35	-	-	-	-	4	-	-	-	11	-
1994	191	113	2	-	-	6	3	1	1	8	56	1
Pohnpei												
1998	3,783	1,695	39	9	-	206	272	94	208	385	868	7
1997	3,133	1,684	21	2	5	109	185	59	88	275	705	-
1996	4,027	1,912	47	1	1	178	208	60	103	358	1,155	4
1995	3,587	1,657	26	3	8	144	242	63	48	400	993	3
1994	4,337	1,979	14	3	1	163	169	48	41	382	1,522	15
Chuuk												
1998	1,309	767	10	-	3	53	26	11	8	108	321	2
1997	1,269	719	13	-	-	39	17	6	12	74	388	1
1996	933	596	11	-	3	27	13	4	1	86	192	-
1995	1,895	924	12	1	4	36	16	15	13	270	602	2
1994	1,760	1,010	22	-	-	47	28	8	5	129	511	-
Yap												
1998	750	392	9	-	-	39	9	5	10	45	241	-
1997	1,047	481	13	-	2	25	22	10	2	75	417	-
1996	1,319	679	13	-	-	57	20	12	7	75	456	-
1995	1,139	433	10	2	1	18	23	5	6	57	584	-
1994	885	231	6	-	1	26	16	3	13	18	570	1

Source: Immigration and Labor Division, Department of Justice.

Chapter 7: Summary on Consumer Price Index

The Pohnpei Consumer Price Index (CPI) was established in December of 1996. It provides a measure of inflation for Pohnpei and a basis for estimating inflation in FSM.

The base year for the Pohnpei Consumer Price Index is the arithmetic mean of the 4th quarter (Dec. 1996) and the 1st quarter (March 1997 quarter) which equals 100.0 or 100 percent. The All Groups consumer price index remained constant from the 1st quarter (March 1997 quarter) to 3rd quarter (September 1997 quarter). It decreased between the 4th quarter (December 1997 quarter) and the 1st quarter (March 1998 quarter) and as of the 2nd quarter (June 1998 quarter), is still decreasing.

By group, the Food and Beverage group has been declining rather rapidly than the rest of the groups. Following were the groups of Clothing & Footwear and Tobacco, Alcohol, Sakau, and Betelnut. This decline is offset by the increases in the rest of the groups, Housing, Household Operations, Transportation, & Miscellaneous Goods & Services.

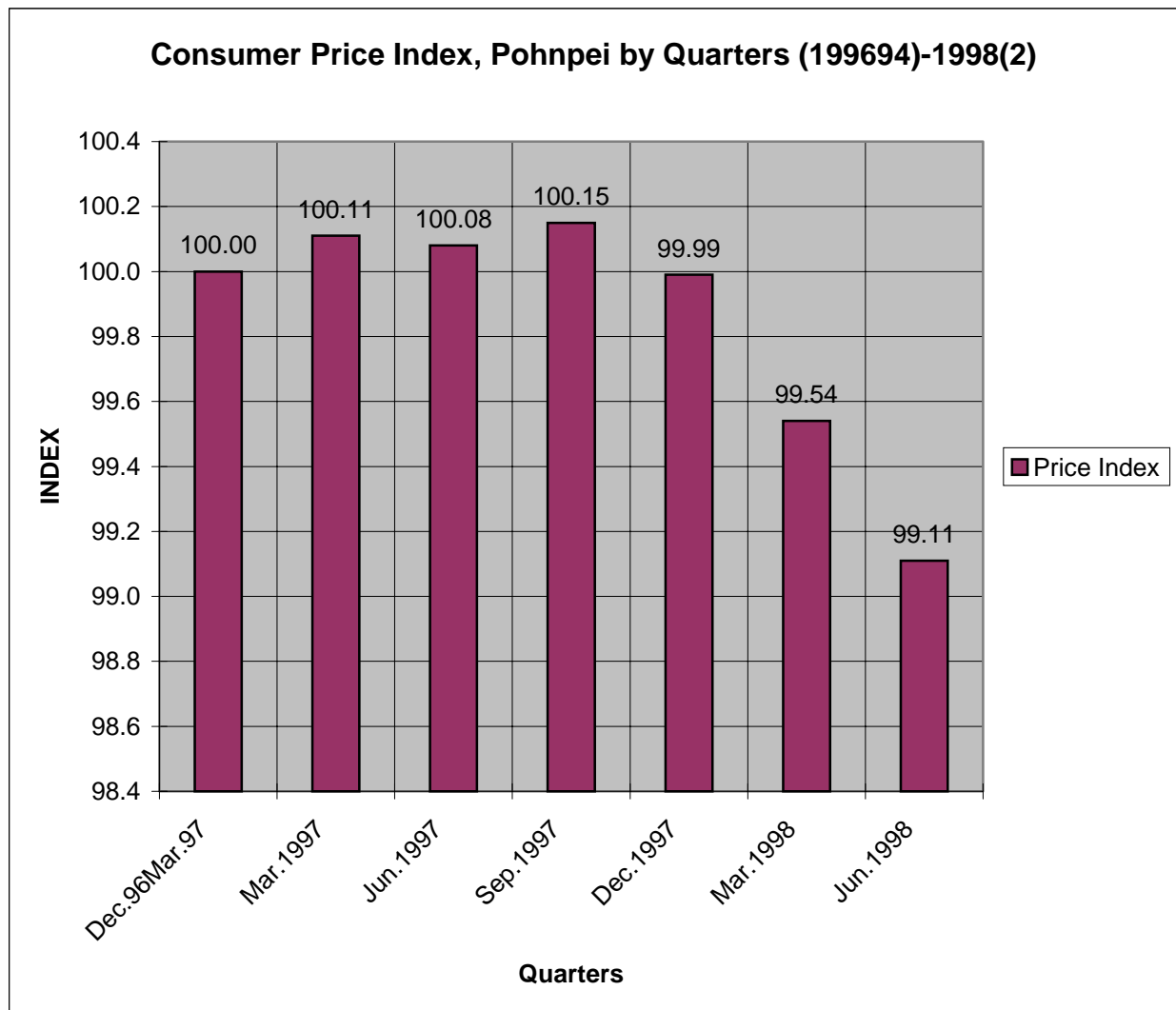


Table 7.1. Quarterly Consumer Price by Major Groups, Pohnpei: 1996 to 1998

Year and Quarter	Base Weight							
	All Groups	Food & Beverage	Housing	Household Operations	Cothing & Footwear	Transportation	Alcohol, Tobacco, Sakau & Betelnut	Misc. Goods & Services
1996(4 th) and 1997(1 st)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1997								
1 st	100.1	100.0	99.6	100.3	100.5	100.0	100.0	100.6
2 nd	100.1	99.6	99.1	100.1	100.9	100.7	100.0	101.4
3 rd	100.1	98.9	103.0	100.7	102.2	100.5	100.2	101.3
4 th	100.0	98.4	103.0	101.0	102.2	100.7	100.3	101.6
1998								
1 st	99.5	96.3	104.3	101.4	99.9	103.2	100.2	102.1
2 nd	99.1	94.3	105.5	101.9	97.8	105.7	100.2	102.5

Source: FSM Statistics Unit.

Table 7.2. Change in Consumer Price Index (Percentage Change from Quarter to Quarter), Pohnpei. 1996 to 1998

Year and Quarter	All Groups	Food & Beverage	Housing	Household Operations	Clothing & Footwear	Transportation	Alcohol, Tobacco, Sakau & Betelnut	Misc. Goods & Services
1996(4 th) and 1997(1 st)	-	-	-	-	-	-	-	-
1997								
1 st	0.1	-	-0.4	0.3	0.5	-	-	0.6
2 nd	-	-0.4	-0.5	-0.2	0.4	0.7	-	0.8
3 rd	-	-0.7	3.9	0.6	1.3	-0.2	0.2	-0.1
4 th	-0.1	-0.5	-	0.3	-	0.2	0.1	0.3
1998								
1 st	-0.5	-2.1	1.3	0.4	-2.3	2.5	-0.1	0.5
2 nd	-0.4	-2.0	1.2	0.5	-2.1	2.5	-	0.4

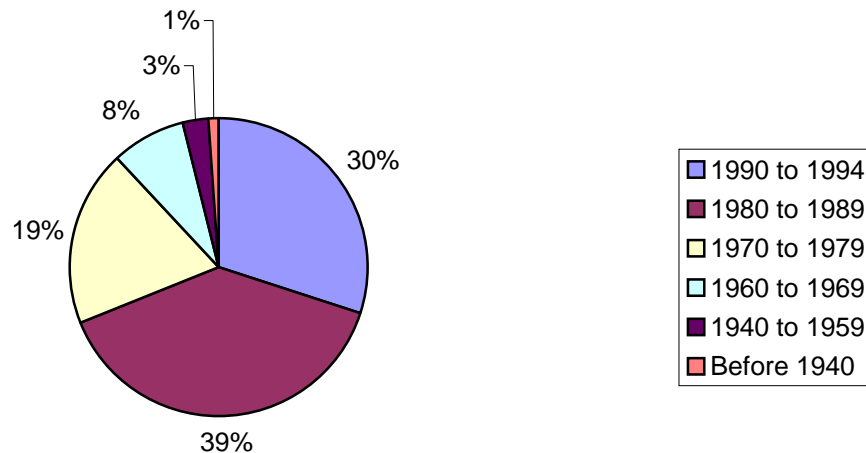
Source: FSM Statistics Unit.

Chapter 8: Summary of Housing

This chapter presents the characteristics of housing units in the FSM. Housing units includes house, apartment, group of rooms, or single room occupied as separate living quarters or, if vacant, intended for occupancy as separate living quarters. Housing units built not for household occupancy but for group of unrelated persons was defined as group quarter and it includes prisons, hospitals, dormitories, hotels, etc. The number of housing units reported in here includes vacant units but excludes group quarters.

The graph below portrays the age of housing structures in FSM. In 1994, about 39 percent of the housing structures were built between 1980 and 1990. The number of housing units built between 1980 and 1990 doubled those built during the prior decade. In 1994, only 1 percent of the total units (16,609) was built before 1940.

Age of Housing Structures in FSM, 1994



The housing conditions in the FSM have been improving. This was evident from the improvement in housing facilities like electricity, lavatories, water system, and the increased number of rooms per housing unit. Concrete walls and tin roofs are taking over the traditional wood walls and thatched roof.

Among the sources of drinking water reported by each state in the recent census, Catchment, Tanks, and Drums was highest in all three states except Pohnpei. In Pohnpei, 35 percent of the households reported their source of drinking water as the public system maybe because the water is always treated and made safe for drinking.

The usage of public electric power in the FSM increased from 19 percent households in 1980 to over 46 percent in 1994. Using generator as a main source of electricity declined by 50 percent in the same period. Housing units with no electricity declined from over 70 percent in 1980 to less than 50 percent.

In 1994, the majority of housing units in Yap and Chuuk had no flush toilets but benjo or privy. Over 50 percent of the housing units in Pohnpei also had no flush toilets while in Kosrae the majority had flush toilets but mainly outside the main unit.

Table 8.1. Year Structure Built by State: 1994

Year	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	16,609	1,018	6,030	7,581	1,980
1990 to 1994	5,006	336	1,928	2,168	574
1980 to 1989	6,550	437	2,141	3,157	815
1970 to 1979	3,104	142	1,070	1,554	338
1960 to 1969	1,258	75	470	539	174
1940 to 1959	459	21	254	126	58
Before 1940	232	7	167	37	21

Source: 1997 Labor Force Survey.

Table 8.2. Materials for Walls, FSM: 1980 & 1994

Type of Material	Percent Change				
	1994	1980	1980 to 1994	1994	1980
Total	16,609	11,562	43.7	100.0	100.0
Concrete	6,990	1,690	313.6	42.1	14.6
Poured	3,272	486	573.3	19.7	4.2
Blocks	3,718	1,204	208.8	22.4	10.4
Metal	4,970	4,116	20.9	29.9	35.6
Wood	4,206	4,835	-13.0	25.3	41.8
Other	443	921	-51.9	2.7	8.0

Sources: 1980 TTPI Census & 1994 FSM Census.

Table 8.3. Materials for Roof, FSM: 1980 & 1994

Type of Material	Percent Change				
	1994	1980	1980 to 1994	1994	1980
Total	16,609	11,562	43.7	100.0	100.0
Concrete	2,466	243	914.8	14.8	2.1
Metal	12,668	9,023	40.4	76.3	78.0
Wood	187	345	-45.8	1.1	3.0
Thatch	1,157	1,788	-35.3	7.0	15.5
Other	131	163	-19.6	0.8	1.4

Sources: 1980 TTPI Census & 1994 FSM Census.

Table 8.4. Plumbing Facilities, FSM: 1980 & 1994

Plumbing Facilities	Number		Percent Change		
	1994	1980	1980 to	Percent	
			1994	1994	1980
Total	16,609	11,562	43.7	100.0	100.0
Complete plumbing	3,094	535	478.3	18.6	4.6
With hot and cold	670	211	217.5	4.0	1.8
With cold water only	2,424	324	648.1	14.6	2.8
Lacking complete plumbing	13,515	11,027	22.6	81.4	95.4

Sources: 1980 TTPI Census & 1994 FSM Census.

Table 8.5. Source of Water, FSM: 1980 & 1994

Source of Water	Number		Percent Change		
	1994	1980	1980 to	Percent	
			1994	1994	1980
Total	16,609	11,562	43.7	100.0	100.0
Public & community system only	4,738	2,690	76.1	28.5	23.3
Public stand pipe	120	351	-91.8	0.7	12.6
Catchment, tanks, or drums only	8,395	4,687	79.1	50.5	40.5
Individual well	1,518	1,586	-4.3	9.1	13.7
Other	1,838	2,248	60.9	11.1	9.9

Sources: 1980 TTPI Census & 1994 FSM Census.

Table 8.6. Source of Water by State: 1994

Source of Water	Number					Percent				
	Total	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	16,609	1,018	6,030	7,581	1,980	100.0	100.0	100.0	100.0	100.0
Public system only	2,485	31	2,115	259	80	15.0	3.0	35.1	3.4	4.0
Community System only	1,288	171	491	195	431	7.8	16.8	8.1	2.6	21.8
Public system & catchment	478	120	119	138	101	2.9	11.8	2.0	1.8	5.1
Community System & catchment	487	73	132	167	115	2.9	7.2	2.2	2.2	5.8
Individual well	1,518	11	876	606	25	9.1	1.1	14.5	8.0	1.3
Catchment tank or drum only	8,395	581	1,356	5,256	1,202	50.5	57.1	22.5	69.3	60.7
Distilled water	195	1	121	64	9	1.2	0.1	2.0	0.8	0.5
Others	1,763	30	820	896	17	10.6	2.9	13.6	11.8	0.9

Source: 1994 FSM Census Report.

Table 8.7. Sewage Disposal by State: 1994

Sewage Disposal	Number					Percent				
	Total	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	16,609	1,018	6,030	7,581	1,980	100.0	100.0	100.0	100.0	100.0
Public sewer	1,781	214	832	550	185	10.7	21.0	13.8	7.3	9.3
Septic tank/cesspool	2,796	562	1,180	941	113	16.8	55.2	19.6	12.4	5.7
Other means	12,032	242	4,018	6,090	1,682	72.4	23.8	66.6	80.3	84.9

Source: 1994 Labor Force Survey.

Table 8.8. Electrical Power in FSM by State: 1994

Year	Total	Kosrae	Pohnpei	Chuuk	Yap
Total Housing Units	16,609	1,018	6,030	7,581	1,980
With Electricity	8,401	953	3,738	2,662	1,048
Public utility	7,713	943	3,665	2062	1043
Generator	688	10	73	600	5
Solar Power	103	-	9	84	10
None	8,105	65	2,283	4835	922

Sources: 1994 FSM Census.

Table 8.9. Electric Power with Percent Change, FSM: 1980 & 1994

Electric Power	Number		% Change	Percent	
	1994	1980	1980 to 1994	1994	1980
Total Housing Units	16,609	11,562	43.7	150.6	128.3
With Electricity	8,401	3,276	156.4	50.6	28.3
Public utility	7,713	2,247	243.3	46.4	19.4
Generator	688	1,029	-33.1	4.1	8.9
Solar Power	103	-	-	0.6	0.0
No electricity	8,105	8,286	-2.2	48.8	71.7

Sources: 1980 TTPI Census & 1994 FSM Census.

Table 8.10. Rooms in Occupied Housing Units, FSM: 1980 & 1994

Rooms	Number		% change	Percent	
	1994	1980	1980 to 1994	1994	1980
Total	15,231	10,557	44.3	100.0	100.0
1 room	3,494	3,400	2.8	22.9	32.2
2 rooms	3,238	2,931	10.5	21.3	27.8
3 rooms	3,240	2,124	52.5	21.3	20.1
4 rooms	2,425	1,242	95.2	15.9	11.8
5 or more rooms	2,834	860	229.5	18.6	8.1
Median	3.3	1.6			

Sources: 1980 TTPI Census & 1994 FSM Census.

Table 8.11. Value of Occupied House by State, FSM: 1994

State	Total Occupied		Value of House (Unit)							Non-response	Median value
	Units	Percent	Less \$2,500	\$2500 to \$4,999	\$5,000 \$9,999	\$10,000 \$14,999	\$15,000 \$19,999	\$20,000 & over			
Total	15,230	100.0	21.4	18.5	22.5	7.1	3.8	5.7	21.0	\$ 5,059	
Kosrae	964	100.0	15.8	25.2	33.3	7.9	3.8	3.7	10.3	\$ 5,584	
Pohnpei	5,298	100.0	29.6	18.2	14.1	5.3	3.0	6.0	23.8	\$ 3,677	
Chuuk	7,043	100.0	16.0	13.3	24.8	9.2	5.0	7.0	24.7	\$ 6,677	
Yap	1,925	100.0	24.1	17.4	17.9	6.1	3.4	6.0	25.1	\$ 4,242	

Source: 1994 FSM Census.

Table 8.12. Persons in Unit, FSM: 1994 and 1997

Persons	Number		% change	Percent	
	1997	1994	1994 to 1997	1997	1994
Total	15,231	15,230	-	100.0	100.0
1 Person	509	668	-23.8	3.3	4.4
2 Persons	1,243	939	32.4	8.2	6.2
3 Persons	1,626	1,218	33.5	10.7	7.9
4 Persons	1,480	1,655	-10.6	9.7	10.9
5 Persons	2,057	1,745	17.9	13.5	11.5
6 Persons	1,864	1,759	6.0	12.2	11.5
7 Persons	1,493	1,518	-1.6	9.8	10.0
8 Persons or more	4,959	5,728	-13.4	32.6	37.6

Sources: 1994 FSM Census; 1997 Labor Force Survey.

Table 8.13. Persons in Room, FSM: 1994 and 1997

Persons per Room	Number		% change	Percent	
	1997	1994	1994 to 1997	1997	1994
Total	15,231	15,230	0	100.0	100.0
0.50 or less	6,545	727	800.3	43.0	4.8
0.51 to 1.00	5,105	1,991	156.4	33.5	13.1
1.01 to 1.50	1,881	1,853	1.5	12.3	12.2
1.51 to 2.00	682	2,672	-74.5	4.5	17.5
2.01 to 3.00	545	3,011	-81.9	3.6	19.8
3.01 or more	473	4,976	-90.5	3.1	32.6

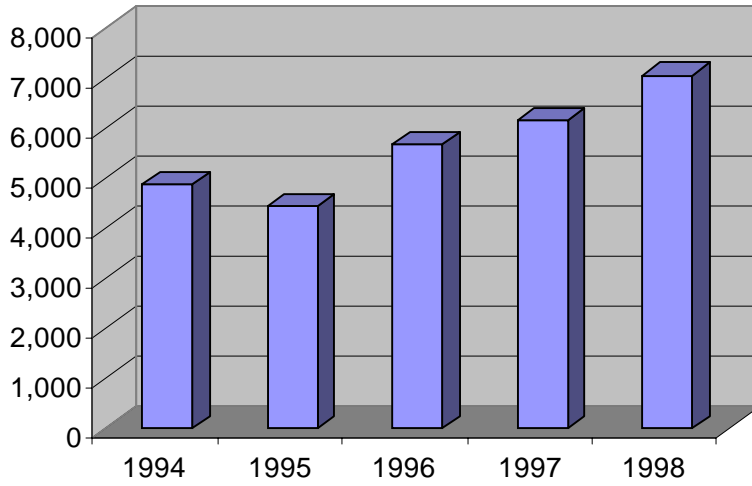
Sources: 1994 FSM Census; 1997 Labor Force Survey.

Chapter 9: Summary of Transportation and Communication

This chapter presents data on transportation and communication services available that includes registered vehicles, aircraft and ships or vessels landed in FSM ports with inbound and outbound passengers, sea and air cargo discharged in each state, and registered radio and communication services.

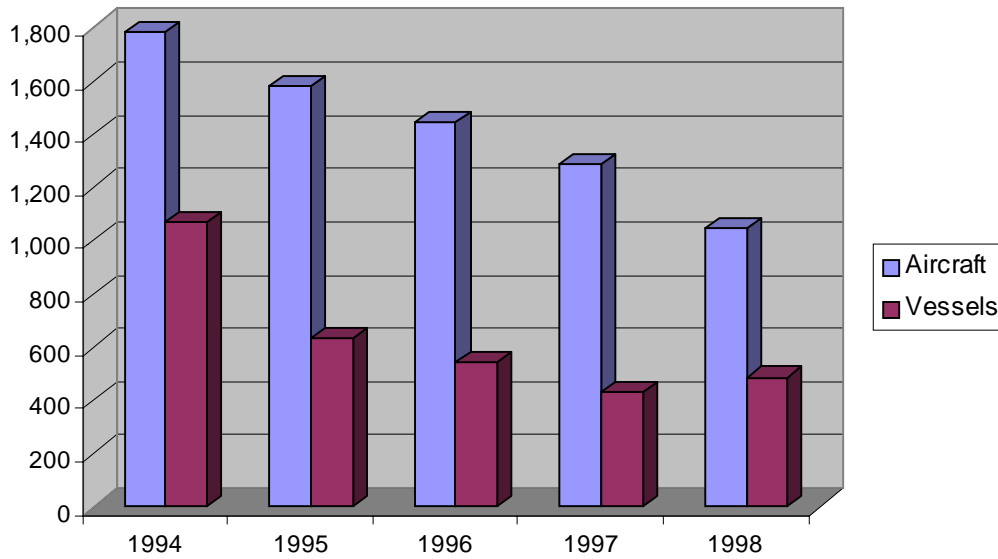
The number of registered vehicles in the FSM had a drop in 1995 then increased in subsequent years.

Registered Vehicles in the FSM: CY 1994 to CY 1997



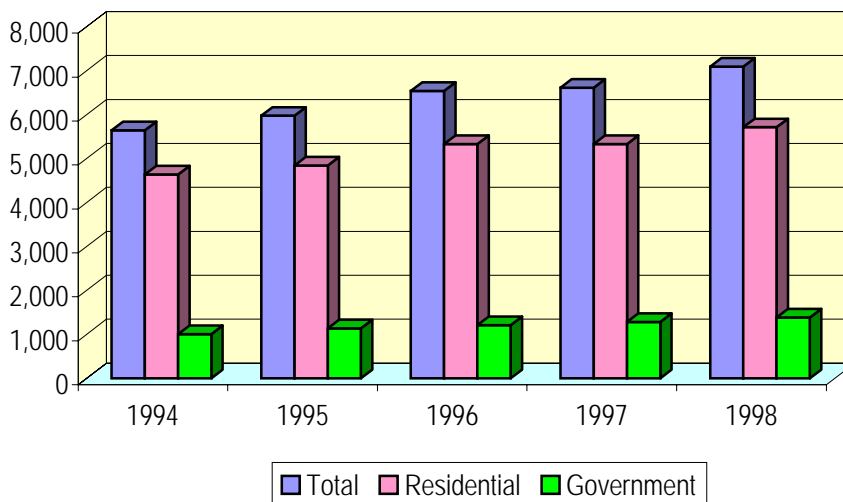
The number of aircraft landed in the FSM, as shown in the graph, decreased every year from calendar year 1994 to 1998. The descent in the graph is due to the decreasing number of commercial aircraft servicing FSM. The decrease in the number of vessels calling ports in the FSM and they are mainly the fishing boats. In 1998, the number of fishing vessels came to FSM ports reduced to about 30 percent since 1994.

Foreign Aircraft and Sea Vessels in the FSM, CY 1994 to CY 1997



The number of telephone subscribers for both residential and government increased annually. In all the years reported, 81 to 82 percent of the total telephones were residential lines. In 1998 there were about 5,700 residential lines and 1,382 government lines.

Number of Telephone Subscribers in the FSM, CY 1994 to CY 1998



The FSM Department of Transportation and Communication issues licenses for radios. The registration shows that over 30 percent of the registered radios are from Pohnpei and they are mostly portable VHF (Hand held).

Table 9.1. Number and Type of Vehicles Registered by State: CY1998.

State/Year	1998		
	Total	Public	Private
Total	7,061	299	6,762
Car (Sedan)	3,521	46	3,475
Buses, Dumptrucks, Flatbeds & Vans	779	53	726
Pick-ups & Jeeps	2,321	159	2,162
Taxis	1	...	1
Motorbikes & Scooters	66	-	66
Others ¹	373	41	332
National Government	35	35	...
Car (Sedan)	19	19	...
Buses, Dumptrucks, Flatbeds & Vans	2	2	...
Pick-ups & Jeeps	14	14	...
Taxis	...	...	...
Motorbikes & Scooters	-	-	...
Others	-	-	...
Kosrae	1,105	132	973
Car (Sedan)	489	12	477
Buses, Dumptrucks, Flatbeds & Vans	96	21	75
Pick-ups & Jeeps	375	70	305
Taxis	1	...	1
Motorbikes & Scooters	8	-	8
Others	136	29	107
Pohnpei	3,968	13	3,955
Car (Sedan)	2,154	4	2,150
Buses, Dumptrucks, Flatbeds & Vans	410	-	410
Pick-ups & Jeeps	1,301	9	1,292
Taxis	-	...	-
Motorbikes & Scooters	27	-	27
Others	76	-	76
Chuuk	359	N/A	359 ²
Car (Sedan)	253	N/A	253
Buses, Dumptrucks, Flatbeds & Vans	15	N/A	15
Pick-ups & Jeeps ³	91	N/A	91
Taxis	N/A	...	...
Motorbikes & Scooters	N/A	N/A	N/A
Others	N/A	N/A	N/A
Yap	1,594	119	1,475
Car (Sedan)	606	11	595
Buses, Dumptrucks, Flatbeds & Vans	256	30	226
Pick-ups & Jeeps	540	66	474
Taxis	-	...	-
Motorbikes & Scooters	31	-	31
Others	161	12	149

Notes: ¹ Others included heavy equipment.

² Include registered vehicles for months of October to December only.

³ Include taxis also.

Source: Statistics Units in the states.

Table 9.2. Government Vehicles Registered by the National and State Government: CY1994-1998

State/Year	1998	1997	1996	1995	1994
Total FSM	299	317	28	43	47
Car (Sedan)	46	38	9	5	8
Buses, Dumptrucks, Flatbeds & Vans	53	62	9	8	8
Pick-ups & Jeeps	159	172	10	30	31
Taxis	...	...	...	...	...
Motorbikes & Scooters	-	-	-	-	-
Others ¹	41	45	-	-	-
National Government	35	24	15	20	25
Car (Sedan)	19	5	4	4	4
Buses, Dumptrucks, Flatbeds & Vans	2	2	4	-	-
Pick-ups & Jeeps	14	17	7	16	21
Taxis	...	...	...	...	...
Motorbikes & Scooters	-	-	-	-	-
Others	-	-	-	-	-
Kosrae	132	151	N/A	N/A	N/A
Car (Sedan)	12	16	N/A	N/A	N/A
Buses, Dumptrucks, Flatbeds & Vans	21	30	N/A	N/A	N/A
Pick-ups & Jeeps	70	74	N/A	N/A	N/A
Taxis	...	...	...	...	...
Motorbikes & Scooters	-	-	N/A	N/A	N/A
Others	29	31	N/A	N/A	N/A
Pohnpei	13	13	13	23	22
Car (Sedan)	4	4	5	1	4
Buses, Dumptrucks, Flatbeds & Vans	-	-	5	8	8
Pick-ups & Jeeps	9	9	3	14	10
Taxis	...	...	...	...	...
Motorbikes & Scooters	-	-	-	-	-
Others	-	-	-	-	-
Chuuk	N/A	N/A	N/A	N/A	N/A
Car (Sedan)	N/A	N/A	N/A	N/A	N/A
Buses, Dumptrucks, Flatbeds & Vans	N/A	N/A	N/A	N/A	N/A
Pick-ups & Jeeps	N/A	N/A	N/A	N/A	N/A
Taxis	...	...	...	...	...
Motorbikes & Scooters	N/A	N/A	N/A	N/A	N/A
Others	N/A	N/A	N/A	N/A	N/A
Yap	119	129	143	137	141
Car (Sedan)	11	13	14	13	13
Buses, Dumptrucks, Flatbeds & Vans	30	30	31	27	32
Pick-ups & Jeeps	66	72	81	80	79
Taxis	...	...	...	...	...
Motorbikes & Scooters	-	-	-	-	-
Others	12	14	17	17	17

Notes: ¹ Others included heavy equipment.

² The unavailability of data for CY 1994 - CY1997 was due to the recent fire which destroyed the Public Safety Office.

Source: Statistics Offices in the states.

Table 9.3. Private Vehicles Registered by State: CY1994-1998

State/Year	1998	1997	1996	1995	1994
Total FSM	6,762	5,837	5,650	4,401	4,828
Car (Sedan)	3,475	2,884	2,775	1,791	1,931
Buses, Dumptrucks, Flatbeds & Vans	726	709	660	375	594
Pick-ups & Jeeps	2,162	2,000	1,981	1,715	1,956
Taxis	1	1	1	-	116
Motorbikes & Scooters	66	91	79	77	110
Others ¹	332	152	154	443	121
Kosrae	973	906	847	780	469
Car (Sedan)	477	492	441	393	169
Buses, Dumptrucks, Flatbeds & Vans	75	91	78	75	47
Pick-ups & Jeeps	305	303	312	291	229
Taxis	1	1	1	-	-
Motorbikes & Scooters	8	19	15	21	24
Others	107	-	-	-	-
Pohnpei	3,955	3,735	3,735	2,570	3,428
Car (Sedan)	2,150	1,920	1,920	982	1,366
Buses, Dumptrucks, Flatbeds & Vans	410	456	456	180	435
Pick-ups & Jeeps	1,292	1,262	1,262	1,024	1,408
Taxis	-	-	-	-	116
Motorbikes & Scooters	27	46	46	42	67
Others	76	51	51	342	36
Chuuk ²	359 ³	N/A	N/A	N/A	N/A
Car (Sedan)	253	N/A	N/A	N/A	N/A
Buses, Dumptrucks, Flatbeds & Vans	15	N/A	N/A	N/A	N/A
Pick-ups & Jeeps	91	N/A	N/A	N/A	N/A
Taxis	...	N/A	N/A	N/A	N/A
Motorbikes & Scooters	N/A	N/A	N/A	N/A	N/A
Others	N/A	N/A	N/A	N/A	N/A
Yap	1,475	1,196	1,068	1,051	931
Car (Sedan)	595	472	414	416	396
Buses, Dumptrucks, Flatbeds & Vans	226	162	126	120	112
Pick-ups & Jeeps	474	435	407	400	319
Taxis	-	-	-	-	-
Motorbikes & Scooters	31	26	18	14	19
Others	149	101	103	101	85

Notes: ¹ Others included heavy equipment.

² The non-availability of data for CY 1994-1997 was due to the recent fire which destroyed the Public Safety Office.

³ Include registered vehicles for months of October to December only.

⁴ Include taxis.

Source: Statistics Offices in the states.

Table 9.4. International Aircraft and Vessel Arrivals by State: CY1994 to CY1998

State/Year	Number of Aircraft Landings				Number of Vessel Portings					
	Total	Military	Private	Com- mercial	Total	Com- mercial	Fishing	Yacht	Govern- ment	Others ¹
Total FSM										
1998	1,047	47	21	979	488	167	271	34	3	13
1997	1,288	39	25	1,224	432	169	213	38	-	12
1996	1,445	42	27	1,376	519	162	292	47	2	16
1995	1,581	35	37	1,509	635	168	403	57	1	6
1994	1,785	51	17	1,717	1,070	189	795	66	-	20
Kosrae										
1998	210	11	4	195	118	27	78	12	1	-
1997	219	12	2	205	69	22	29	16	-	2
1996	187	11	3	173	23	0	9	13	1	-
1995	267	11	-	256	99	29	41	29	-	-
1994	279	11	6	262	79	24	33	22	-	-
Pohnpei										
1998	276	18	9	249	131	29	83	10	2	7
1997	337	16	12	309	98	30	52	10	-	6
1996	469	12	11	446	114	29	62	15	-	8
1995	384	9	10	365	80	9	65	5	-	1
1994	402	13	5	384	255	26	205	16	-	8
Chuuk										
1998	331	17	6	308	124	23	90	8	-	3
1997	410	7	7	396	128	18	104	3	-	3
1996	412	15	6	391	171	25	136	6	1	3
1995	438	12	5	421	214	28	174	10	-	2
1994	642	23	3	616	341	33	288	17	-	3
Yap										
1998	230	1	2	227	115	88	20	4	-	3
1997	322	4	4	314	137	99	28	9	-	1
1996	377	4	7	366	211	108	85	13	-	5
1995	492	3	22	467	242	102	123	13	1	3
1994	462	4	3	455	395	106	269	11	-	9

Note: ¹ Other vessels arrived included Tug Boat, Barge, Military, Research, PMA Medical & Cruising Vessels.

Source: Division of Labor and Immigration, Department of Justice, FSM National Government.

Table 9.5. Weight of Sea and Air Cargo by State: CY1994 to 1998

State/Year	Number (tons) ¹		
	Total	Sea	Air
Total FSM			
1998	244,260.3	242,995.0	1,265.3
1997	218,736.2	216,944.7	1,791.5
1996	212,107.5	210,842.2	1,265.3
1995	178,162.1	176,915.0	1,247.1
1994	1,663,499.4	1,662,249.8	1,249.6
Kosrae			
1998	17,054.4	16,992.4	62.0
1997	14,349.3	14,280.8	68.5
1996	14,235.2	14,188.8	46.4
1995	14,262.5	14,206.5	56.0
1994	1,499,750.7	1,499,681.4 ²	69.3
Pohnpei			
1998	58,758.9	58,334.5	424.4
1997	53,170.4	52,496.4	674.0
1996	55,231.6	54,381.8	849.8
1995	950.1	N/A	950.1
1994	1,063.5	N/A	1,063.5
Chuuk			
1998	103,921.2	103,473.7	447.5
1997	88,553.9	87,952.6	601.3
1996	85,365.8	85,365.8	N/A
1995	111,234.2	111,234.2	N/A
1994	118,994.8	118,994.8	N/A
Yap			
1998	64,525.8	64,194.4	331.4
1997	62,662.6	62,214.9	447.7
1996	57,274.9	56,905.8	369.1
1995	51,715.3	51,474.3	241.0
1994	43,690.4	43,573.6	116.8

Note: ¹ Data combined inbound and outbound cargo for both sea and air.

² Data will be verified in the next publication.

Sources: Pohnpei & Kosrae State Statistics Office; Waab Transportation; Transco Agency, Chuuk State; Continental Air Micronesia, Regional Office in Pohnpei.

Table 9.6. Passengers by Aircraft and Vessels arrived in the FSM: CY1994 to CY1998

State/Year	Number of Passengers						
	Total	Vessels			Aircraft		
		Total	Alien	Local	Total	Alien	Local
Total FSM							
1998	74,531	22,994	8,820	12,053	53,658	18,298	35,360
1997	81,218	21,848	8,994	12,854	59,370	20,759	38,611
1996	85,527	35,949	7,664	28,285	49,578	22,220	27,358
1995	83,670	33,941	9,885	24,056	49,729	24,724	25,005
1994	78,688	31,303	17,812	15,025	47,385	24,061	23,324
Kosrae							
1998	6,941	3,872	1,730	2,142	3,069	1,521	1,548
1997	5,241	2,746	889	1,857	2,495	2,194	301
1996	12,075	9,298	642	8,656	2,777	1,659	1,118
1995	9,832	7,259	1,114	6,145	2,573	1,555	1,018
1994	5,391	3,222	1,317	1,905	2,169	1,846	323
Pohnpei							
1998	21,015 ^f	4,709 ^f	2,588	2,121	18,427 ^f	7,773	10,654
1997	26,052	4,206	2,548	1,658	21,846	8,389	13,457
1996	18,107	8,058	1,434	6,624	10,049	10,049	N/A
1995	13,877	2,342	1,092	1,250	11,535	11,535	N/A
1994	15,005	3,967	3,967	1,534	11,038	11,038	N/A
Chuuk							
1998	36,177	11,100	2,404	8,696	25,077	4,973	20,104
1997	37,504	10,800	2,879	7,921	26,704	5,246	21,458
1996	42,462	14,400	2,655	11,745	28,062	5,171	22,891
1995	45,325	18,600	3,770	14,830	26,725	6,208	20,517
1994	44,053	18,600	8,265	10,335	25,453	5,728	19,725
Yap							
1998	10,398	3,313	2,098	1,215	7,085	4,031	3,054
1997	12,421	4,096	2,678	1,418	8,325	4,930	3,395
1996	12,883	4,193	2,933	1,260	8,690	5,341	3,349
1995	14,636	5,740	3,909	1,831	8,896	5,426	3,470
1994	14,239	5,514	4,263	1,251	8,725	5,449	3,276

Sources: Statistical Yearbook from the states; Division of Labor & Immigration, FSM Department of Justice; Department of Transportation, Chuuk State Government.

Table 9.7. Operational Cost of Government Ships: FY1994 to FY1998.

State/Year	Number of Ships	Total Manning	Supplies & Materials						
			Salary	Fuel	Food	Equipment	All Others	Dry-docking	
National ¹									
1998	3	52	210,000	94,000	15,000	90,000	...	271,700	...
1997	2	30	100,000	56,300	70,000	70,000	...	341,618	450,000
1996	2	30	96,950	56,600	70,000	60,000	...	336,692	600,000
1995	2	30	88,000	50,000	70,000	60,000	...	288,292	...
1994	2	30	88,000	50,000	70,000	60,000	...	295,000	515,000
Kosrae ¹									
1998	...	...	...	...	...	...	...	...	...
1997	...	...	...	...	...	...	...	...	...
1996	...	...	...	...	...	...	...	...	...
1995	...	...	...	...	...	...	...	...	...
1994	...	...	...	...	...	...	...	...	...
Pohnpei									
1998	1	25	247,400	100,000	69,000	3,000	1,000	3,500	...
1997	1	25	179,100	90,000	40,000	5,000	-	3,500	...
1996	1	25	143,134	100,000	40,000	4,000	-	-	...
1995	1	25	147,813	83,000	40,000	19,578	49,000	25,000	600,000
1994	1	25	143,134	87,025	39,964	18,857	-	-	...
Chuuk ²									
1998	2	72	419,790	75,700	N/A ⁴	34,000	N/A ⁵	66,000	...
1997	2	72	543,884	75,700	N/A	34,000	N/A	66,000	...
1996 ⁶	2	72	556,400	35,281	N/A	50,000	N/A	96,500	940,000
1995	3	72	587,900	172,400	N/A	50,000	N/A	142,000	...
1994	3	72	558,119	172,400	N/A	54,242	N/A	154,632	500,000
Yap									
1998	1	23	90,382	158,017	15,712	22,796	25,970	75,832	10,391 ⁷
1997	1	24	91,375	131,658	35,551	14,372	2,250	57,611	...
1996	1	24	102,309	131,658	44,299	21,174	1,645	69,062	431,880
1995	1	23	107,318	124,652	53,687	26,673	-	67,818	...
1994	1	23	100,570	152,486	59,087	215,474	-	85,581	385,173

Note: ¹ Kosrae State has no government ship.

² After 1996 the state of Chuuk encountered difficulties due to the financial situations and thus, decreased the number of field trips.

³ Food is included with "Supplies & Materials" category.

⁴ Food is included with "All Others" category in all the years.

⁵ Equipment included in the "Supplies & Materials" category in all the years.

⁶ The decline in the number of ships was due to the ship which sank in 1995. Its crew members were reassigned to the other 2 vessels.

⁷ This is only a partial payment.

Table 9.8. Communication and Services by State: CY1994-1998

State/Year	Telephone subscribers			Number of Subscribers		
	Total	Residential	Government	Telex	Fax	Internet ¹
Total FSM						
1998	7,093	5,711	1,382	7	539	977
1997	6,608	5,329	1,279	7	474	636
1996	6,540	5,329	1,211	9	394	...
1995	5,973	4,841	1,132	10	N/A	...
1994	5,643	4,640	1,003	10	N/A	...
Kosrae State						
1998	986	833	153	1	84	118
1997	940	800	140	1	66	68
1996	889	761	128	1	44	...
1995	820	698	122	-	N/A	...
1994	750	657	93	-	N/A	...
Pohnpei State ²						
1998	3,595	2,891	704	4	253	568
1997	3,395	2,732	663	4	243	401
1996	3,342	2,713	629	6	222	...
1995	2,924	2,347	577	10	N/A	...
1994	2,756	2,229	527	10	N/A	...
Chuuk State						
1998	1,235	999	236	1	98	138
1997	1,133	911	222	1	99	72
1996	1,146	931	215	1	96	...
1995	1,163	953	210	-	N/A	...
1994	1,053	858	195	-	N/A	...
Yap State						
1998	1,277	988	289	1	104	153
1997	1,140	886	254	1	66	95
1996	1,163	924	239	1	32	...
1995	1,066	843	223	-	N/A	...
1994	1,084	896	188	-	N/A	...

Notes: ¹ Internet was not introduced to the FSM until CY1997.

² Includes FSM National Government.

Source: FSM Telecommunication Corporation.

Table 9.9. Long Distance Rates from FSM to Other Places: CY1997

Location	FIRST THREE MINUTES (\$)¹		Minute or fraction thereof (\$)
	Station to Station	Person to Person	
FSM (within FSM)	1.00	2.00	1.00
Caribbean Islands	15.00	20.00	5.00
China	15.00	20.00	5.00
Guam	7.50	10.00	2.50
Hawaii	7.50	10.00	2.50
Hong Kong	9.00	12.00	3.00
Japan	7.50	10.00	2.50
Netherlands	15.00	20.00	5.00
Papua New Guinea	12.00	16.00	4.00
Republic of the Marshall	9.00	12.00	3.00
Republic of Belau	9.00	12.00	3.00
Switzerland	15.00	16.00	5.00
United Kingdom	12.00	16.00	4.00
U.S. Mainland	7.50	10.00	2.50
West Germany	12.00	16.00	4.00

Note: ¹ Domestic calls between 6:00 p.m. and 6:00 a.m. on weekdays and all day discount.

Source: FSM Telecommunication Corporation.

Table 9.10. Registered Radio in the FSM by State & Type: CY1998.

Type of radio	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	960	39	384	114	184
PT (VHF) : Hand held	243	6	138	31	68
FB (VHF) :Base Station	73	2	46	7	18
FA (VHF) :Aeronautical Station	12	1	4	4	3
FX (HF) : Fixed Station	182	7	63	47	65
FC :Coast Station	29	4	21	1	3
ML (VHF) : Land Mobile Station	28	-	24	-	4
PAGING :Call signal.	3	-	1	2	-
MO (VHF) :Mobile Station	2	-	1	-	1
MA : Aircraft Station	2	-	-	-	2
MS (VHF) : Ship Station	109	13	69	14	13
RLB : Aeronautical Radiobeacon Station	6	2	2	1	1
RPTR : Repeater	19	2	10	4	3
FL : Land Station	1	-	-	1	-
BT : Broadcasting Station (television)	3	-	1	1	1
BC : Broadcasting Station (sound)	5	1	2	1	1
TM : Meteorological-Satellite Earth Station	3	1	2	-	-
EX : Experimental Station	1	-	-	-	1
AT/G : Ham Radio ¹	239	...	...	...	...

Note: ¹ The base location for AT/G (HAM RADIO) is not specified. They are third party

Source: Department of Transportation, Communication and Infrastructure, FSM.

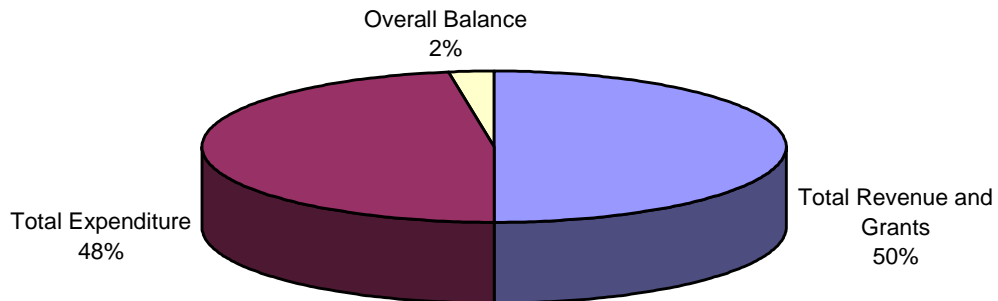
Chapter 10: Summary of Government Finance

The Total Revenue and Grants received by the FSM declined from FY 1995(176.6) to FY 1997(152.3). With the estimate of FY 1998 and projections of FY 2001, an increase is predicted (156.6 to 165.3).

For the Total Expenditure of the FSM, spending declined from 168.1 for FY 1995 to 150.0 for FY 1998(which is estimated) and on to the projected 149.8 for FY 1999.

The Overall Balance (Total Revenue and Grants minus Total Expenditures) dropped considerably from FY 1995. During FY 1996 & FY 97, the overall balance was -2.7 and -2.4, respectively. The estimated FY 1998 overall balance increased to 6.6 from -2.4 for FY 1997. The projected FY 1999 overall balance shows a dramatic increase of 13.7 and follows a slight decline for the projected FY 2000 and FY 2001.

FSM Consolidated Fiscal Performance/Projections: FY95 - FY2001



■ Total Revenue and Grants ■ Total Expenditure ■ Overall Balance

Table 10.1. FSM Consolidated Fiscal Performance/ Projections, FY95-2001

	FY95	FY96	FY97	FY98 est.	FY99 proj.	FY2000 proj.	FY2001 proj.
Total Revenue and Grants	176.6	164.2	152.3	156.6	163.5	164.1	165.3
Total Domestic Revenue	65.0	56.2	61.0	64.5	70.7	70.5	71.1
Tax Revenue	20.6	21.0	23.0	26.0	31.1	32.6	33.2
National Tax (Rev.Share)	16.8	17.0	18.5	20.1	23.9	24.9	25.3
State Tax	3.8	4.0	4.5	5.9	7.2	7.7	7.9
Non-Tax Revenue	44.4	35.2	38.0	38.5	39.6	37.9	37.9
Investment	9.9	9.0	7.0	8.2	7.3	5.3	5.2
Fishing Fees/Fines	22.1	15.3	20.4	19.0	20.0	20.0	20.0
Other	10.9	8.1	7.7	8.5	9.5	9.7	9.8
CFSM Grants	1.5	2.8	2.8	2.8	2.8	2.8	2.8
Total External Grants	111.6	108.0	91.4	92.1	92.8	93.6	94.2
US Compact	92.9	93.5	78.3	79.0	79.8	80.5	81.2
(Re)current/Unrestricted	44.7	45.3	36.5	37.2	38.0	38.7	39.4
Special Block Grants	18.4	18.0	18.0	18.0	18.0	18.0	18.0
Capital/Restricted (CIP)	29.8	30.1	23.8	23.8	23.8	23.8	23.8
Other	18.8	14.5	13.0	13.0	13.0	13.0	13.0
(Re)current/Unrestricted	14.2	11.5	10.9	10.9	10.9	10.9	10.9
Capital/Restricted (CIP)	4.6	3.0	2.1	2.1	2.1	2.1	2.1
Memo Item:							
(Re)current Revenue	142.3	131.1	126.4	130.7	137.7	138.2	139.5
Capital/Restricted Revenue	34.3	33.1	25.9	25.9	25.9	25.9	25.9
Total Expenditure	168.1	166.9	154.7	150.0	149.8	152.6	155.6
(Re)current Expenditure	141.4	134.1	123.1	116.4	115.4	118.1	121.1
Personnel	63.0	63.1	55.5	50.0	49.0	51.0	52.3
Travel	6.0	4.8	4.4	4.3	4.5	4.7	4.8
Other	59.9	53.6	50.6	51.0	53.0	54.8	56.7
Subsidies/Transfers	5.6	7.2	7.3	6.7	5.7	5.7	5.7
Interest	6.8	5.4	5.3	4.4	3.1	1.9	1.6
Capital/Restricted Expenditure	26.8	32.7	31.7	33.6	34.5	34.5	34.5
Projects	23.7	27.7	27.1	29.5	30.8	30.8	30.8
Transfers	3.1	5.1	4.6	4.1	3.7	3.7	3.7
Overall Balance	8.5	-2.7	-2.4	6.6	13.7	11.5	9.8
Memo Item:							
(Re)Current Surplus/(Deficit)	0.9	-3.5	5.4	14.3	22.3	20.0	18.4
Year-end/Accumulated Stock Value	-5.1	-8.6	-3.2	11.0	33.3	53.4	71.7
Capital/Restricted Surplus/(Deficit)	7.6	0.4	-7.8	-7.7	-8.6	-8.6	-8.6
Year-end/Accumulated Stock Value	69.5	69.9	62.1	54.4	45.8	37.2	28.6
Memo Item:							
Domestic Rev.as % of Current Exp.	46%	42%	50%	55%	61%	60%	59%
Personnel Exp.as % of Current Exp.	45%	47%	45%	43%	42%	43%	43%
Capital Exp.as % of Total Exp.	16%	20%	20%	22%	23%	23%	22%
Educ. Exp.	24.9	25.5	21.8	22.8			
Health Exp.	13	9.9	11.7	11.9			
Educ.Exp.as % of Current Exp.	18%	19%	18%	20%			
Health Exp.as % of Current Exp.	9%	7%	9%	10%			
Educ.Exp.as % of GDP	12%	12%	10%	11%			
Health Exp.as % of GDP	6%	5%	5%	6%			

Source: National Department of Finance and Administration, Annual Audit Reports and EMPAT estimates.

Table 10.2. FSM Consolidated Fiscal Performance by National & State, FY1998

	Total	National	Kosrae	Pohnpei	Chuuk	Yap
Total Revenue and Grants	156.6	46.5	13.3	32.9	41.8	22.2
Total Domestic Revenue	64.5	30.0	2.6	11.6	11.6	8.6
Tax Revenue	26.0	9.0	1.2	7.6	4.6	3.5
National Tax (Rev.Share)	20.1	9.0	1.0	5.1	3.2	1.7
State Tax	5.9	0.0	0.2	2.5	1.4	1.8
Non-Tax Revenue	38.5	21.0	1.4	4.0	7.0	5.1
Investment	8.2	1.1	0.4	0.4	4.8	1.5
Fishing Fees/Fines	19.0	19.0	0.0	0.0	0.0	0.0
Other	8.5	0.9	1.0	1.8	2.2	2.6
CFSM Grants	2.8	0.0	0.0	1.8	0.0	1.0
Total External Grants	92.1	16.5	10.7	21.2	30.2	13.6
US Compact	79.0	11.6	8.5	18.6	28.1	12.4
(Re)current/Unrestricted	37.2	5.4	3.4	8.8	13.7	6.0
Special Block Grants	18.0	4.0	2.2	3.7	5.3	2.9
Capital/Restricted (CIP)	23.8	2.2	2.9	6.1	9.2	3.5
Other	13.0	4.9	2.2	2.7	2.1	1.2
(Re)current/Unrestricted	10.9	3.9	2.0	2.2	2.0	0.9
Capital/Restricted (CIP)	2.1	1.0	0.2	0.5	0.1	0.3
Memo Item:						
(Re)current Revenue	130.7	43.2	10.2	26.3	32.6	18.4
Capital/Restricted Revenue	25.9	3.2	3.1	6.6	9.3	3.7
Total Expenditure	150.0	42.2	15.1	33.9	37.2	21.6
(Re)current Expenditure	116.4	36.5	10.7	25.6	26.4	17.2
Personnel	50.0	10.4	4.5	15.2	14.4	5.5
Travel	4.3	2.1	0.5	0.4	0.7	0.6
Other	51.0	22.1	4.8	8.0	8.9	7.1
Subsidies/Transfers	6.7	1.9	0.9	1.4	1.2	1.4
Interest	4.4	0.0	0.0	0.6	1.2	2.6
Capital/Restricted Expenditure	33.6	5.7	4.4	8.4	10.8	4.3
Projects	29.5	3.3	4.4	8.4	9.8	3.6
Transfers	4.1	2.4	0.0	0.0	1.0	0.7
Overall Balance	6.6	4.2	-1.8	-1.1	4.7	0.6
Memo Item:						
(Re)Current Surplus(Deficit)	14.3	6.7	-0.5	0.7	6.2	1.2
Year-end/Accumulated Stock Value	11.0	18.2	0.2	-2.2	-6.9	1.7
Capital/Restricted Surplus(Deficit)	-7.7	-2.5	-1.3	-1.8	-1.5	-0.5
Year-end/Accumulated Stock Value	54.4	7.5	2.8	5.9	36.6	1.7
Memo Item:						
Domestic Rev.as % of Current Exp.	55%	82%	25%	45%	44%	50%
Personnel Exp.as % of Current Exp.	43%	28%	42%	59%	55%	32%
Capital Exp.as % of Total Exp.	22%	14%	29%	25%	29%	20%
Educ. Exp.	22.8	0.40	2.10	7.70	8.50	4.10
Health Exp.	11.9	0.50	1.00	4.20	3.70	2.50
Educ.Exp.as % of Current Exp.	20%	1%	20%	30%	32%	24%
Health Exp.as % of Current Exp.	10%	1%	9%	16%	14%	14%

Source: National Department of Finance and Administration, Annual Audit Reports and EMPAT estimates.

Table 10.3. Percentage Share of Public Enterprises in Sectors They Dominate, FSM: 1996

ISIC	Description	Establishments	Employment	Wages	Value added
B	Fishing	83.3	94.1	98.2	92.1
E	Electricity, Gas and Water	71.4	97.5	98.7	92.5
I	Transport, Storage and Communication	8.2	21.3	53.2	71.4
J	Financial Intermediation	35.0	47.5	68.0	70.7
M	Education	26.7	38.0	67.0	67.4

Note: Figures in the table include only the results of the census. They exclude aggregate estimates of the subsistence sector, production for agricultural exports and government services.

Source: 1996 GDP report.

Table 10.4. Ratio of Worker Productivity and Wages by State and Type of Enterprise/Value Added per Worker/ Wage per Worker, FSM: 1996

State	Public	Private
Total FSM	1.43	3.12
Pohnpei	1.55	3.97
Chuuk	-0.17	2.19
Kosrae	2.04	4.03
Yap	2.62	2.25

Source: 1996 GDP report.

Table 10.5. Selected Financial Data of the Government (\$'000), FSM: FY 97 and FY 98

	1998				1997			
	Dec. 97	Mar. 98	Jun. 98	Sept. 98	Dec. 96	Mar. 97	Jun. 97	Sept. 97
Foreign Assets	137,337	168,177	141,904	173,966	143,635	149,460	145,159	137,339
Monetary gold	-	-	-	-	-	-	-	-
Foreign exchange	84,475	108,099	83,910	120,627	88,242	95,468	86,672	84,475
Reserves position in the Fund	-	-	-	-	1	-	-	-
SDR holding	1,325	1,327	1,336	1,361	1,357	1,322	1,336	1,327
Non-liquid foreign assets	51,537	58,751	56,658	51,978	54,035	52,670	57,151	51,537
Foreign Assets	-	-	-	-	-	-	-	-
Use of Fund credit	-	-	-	-	-	-	-	-

Source: FSM Banking Board.

Chapter 11: Summary of National Accounts

The estimated 1996 Gross Domestic Product for the FSM was \$181.6 million.

By state and major sector of economic activity, the Government Services sector is the largest contributor with about 42.1 percent of the FSM GDP, followed by Wholesale and Retail Trade, at about 21.8 percent, and Agriculture, at about 16.7 percent. The least contributing sector was Health and Social Work with about 0.1 per of the FSM GDP.

A total of 675 establishments were surveyed. They employed 7,313 people and paid \$30.9 million in wages.

GDP by State and Major Sector of Economic Activity: 1996

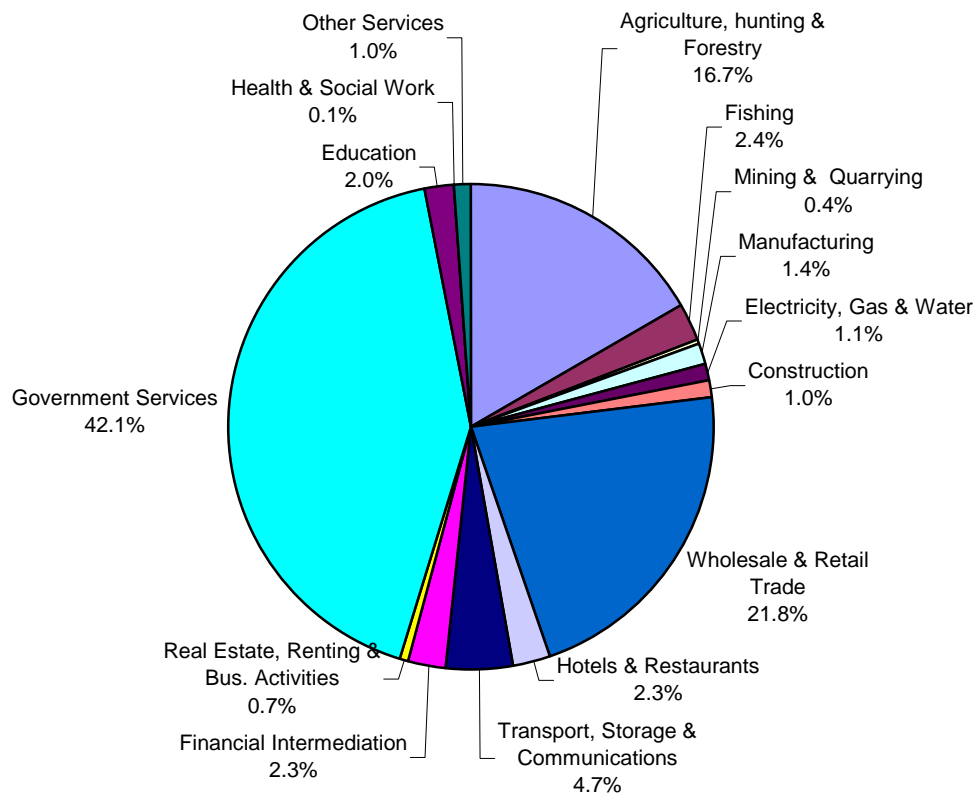


Table 11.1. Gross Domestic Product by State and Major Sector of Economic Activity, FSM: 1996

Sector	Total FSM		Amount (\$ million)				
	\$Million	Percent	Nat'l Gov't.	Kosrae	Pohnpei	Chuuk	Yap
Gross Domestic Product	181.6	100.0	16.4	15.6	72.0	55.2	22.4
Agriculture, hunting & Forestry ¹	30.3	16.7	...	1.3	6.3	19.6	3.1
Fishing	4.4	2.4	...	0.1	2.7	0.6	1
Mining & Quarrying	0.7	0.4	...	0	0.4	0.3	0
Manufacturing	2.5	1.4	...	0	1.3	0.1	1.1
Electricity, Gas & Water	1.9	1.1	...	0.5	3.4	-2.7	0.7
Construction	1.92	1	...	0.5	0.9	0.02	0.5
Wholesale & Retail Trade ²	39.5	21.8	...	4.9	21.4	8.1	5.1
Hotels & Restaurants	4.1	2.3	...	0.2	1.8	1.3	0.8
Transport, Storage & Communication:	8.5	4.7	...	0.5	6.6	0.6	0.8
Financial Intermediation	4.2	2.3	...	0.6	2	0.8	0.8
Real Estate, Renting & Bus. Activities	1.3	0.7	...	0.1	1.1	0	0.1
Government Services ³	76.5	42.1	16.4	6.8	21.3	23.9	8.1
Education	3.6	2	...	0	2.3	1.2	0.1
Health & Social Work	0.2	0.1	...	0	0.2	0	0
Other Services	1.8	1	...	0.1	0.4	1.2	0.1

Notes: ¹ Includes estimates of subsistence production: \$5million for Pohnpei, 18.4 for Chuuk, 1.2 for Kosrae and 2.5 for Yap.

² Includes \$0.9 million as the estimated contribution of household enterprises in outer islands of various states.

³ Includes all government services carried on official budgets (public administration, education, health etc.), public enterprises carried on those budgets and the contribution of the Social Security Administration.

Source: 1996 FSM Gross Domestic Product (GDP) report.

Table 11.2. Gross Domestic Product by Expenditure Category, FSM: 1996

Category	\$ Million	Percentage
GDP at Market Prices	181.6	100
Government Final Consumption Expenditure	165.2	91
Private Final Consumption Expenditure ¹	93.9	51.7
Gross Fixed Capital Formation	20.5	11.3
Net Exports	-98.0	-54.0

Note: ¹ Residual

Sources: 1996 FSM GDP report; 134-P reports; Residual; Census and preliminary estimates from foreign trade data.

Import figures were marked up by 15% to allow for the cost of insurance and freight.

Table 11.3. Gross Domestic Product by Expenditure Category, FSM: 1996

Category	\$ Million	Percentage
Government Final Consumption Expenditure	165.2	0.9
Private Final Consumption Expenditure	93.9	0.5
Gross Fixed Capital Formation	20.5	0.1
Net Exports	-98.0	-0.5
GDP at Market Prices	181.6	1.0

Note: ¹ Residual

Table 11.4. Gross Domestic Product by Factor Cost, FSM: 1996

Category	\$ Million	Percentage
Employee compensation	113.2	62.3
+ Consumption of fixed capital	7.1	3.9
+ Operating Surplus ¹	52.2	28.7
= GDP at Factor Cost	172.5	95
+ Indirect Taxes	14.9	8.2
- Subsidies	-5.8	-3.2
= GDP at Market Prices	181.6	100

Note: ¹ Residual

The Administration data used was adjusted (10% of gross wages was assumed for fringes and under-reporting and 3.8% was applied for employer's contribution).

Source: 134-P reports; FSM Social Security Administration.

Table 11.5. Gross Domestic Product per Capita by State, FSM: 1996

State	GDP \$Million	Population	GDP per Capita \$
Total FSM	181.6	108564.0	1264.0
Pohnpei	88.4 ¹	34703	2,547
Chuuk	55.2	54963.0	1004.3
Kosrae	15.6	7442.0	2096.2
Yap	22.4	11456.0	1955.3

Note: ¹ Includes the national government.

Source: 1996 GDP report; 1994 FSM Census report.

Table 11.6. Gross Domestic Product by Public and Private Sectors, FSM: 1996

Level	Total FSM	Nat. Gov't.	Kosrae	Pohnpei	Chuuk	Yap
GDP at Market Prices	181.5	16.4	15.5	72.0	55.2	22.4
Public Sector	94.5	16.4	8.6	34.7	23.5	11.3
Government	75.9	16.4	6.8	20.7	23.9	8.1
Public Enterprises	18.6	...	1.8	13.9	-0.3	3.2
Private Sector	87.0	...	6.9	37.3	31.7	11.1
Subsistence	27.9	...	1.2	5.8	18.4	2.5
Non-Subsistence	59.0	...	5.7	31.5	13.2	8.6
Selected ratios						
Public Sector/GDP	49.2%	...	55.5%	48.2%	42.6%	50.5%
Private Sector/GDP	50.8%	...	44.5%	51.8%	57.4%	49.5%
Public Sector/Non-Subsistence Economy	58.4%	...	60.2%	52.4%	64.1%	56.8%
Private Sector/Non-Subsistence Economy	41.6%	...	39.8%	47.6%	35.9%	43.2%

Source: 1996 GDP report.

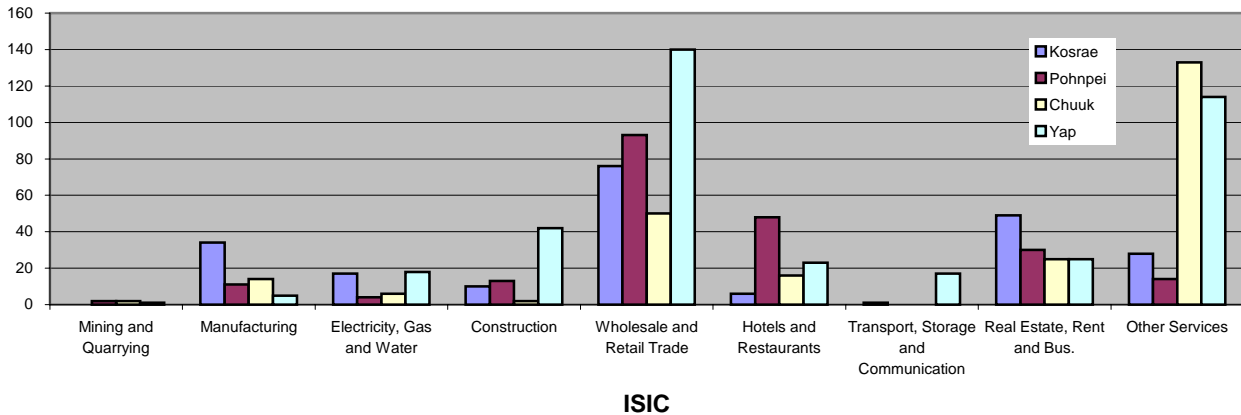
Chapter 12: Summary on Business Establishments and Financial Sectors

This chapter combines data on business establishments and financial sectors of the FSM.

The business establishments here are mainly licensed business establishments. The analysis of business establishments will concentrate on the licensed business establishments during the calendar year 1997.

The total number of licensed business establishments recorded by state during calendar year 1997 was 1,069 the leading class of establishments in the FSM is the Wholesale and Retail with a total of about 359. The class with the lowest number of establishments is the mining and quarrying with a total of about 5 recorded during this calendar year.

Licensed Businesses and Manufacturing Establishments in the Private Sector by State: CY 1997



By state, Yap shows the most significant increase by establishments with about 385. However, Pohnpei is showing a less significant amount of establishment activities during this year with about 215.

The analysis of financial sectors of this chapter will concentrate on data of Commercial Bank Deposits and Loans from 1994 to 1998.

Banking activities during this period shows that Time Deposits and CDs are ever increasing to about \$60,000 during 1996, but have slightly fallen to about \$55,000 in 1998. Savings deposits show a steady movement to about \$40,000 from 1994 to 1998. Checking went down slightly from 1994 to 1996 and reversed its course gradually moving up in 1997 and dropping slightly, again, in 1998 at about \$28,000. Consumer Loans show a drop in 1994 from about \$37,000 to about \$27,000 in 1997. In 1998, it increased slightly by about \$28,000. However, Commercial Loans have remained steady at about \$20,000.

Commercial Bank Deposits & Loans ('000 in US dollars), FSM: 1994 to 1998

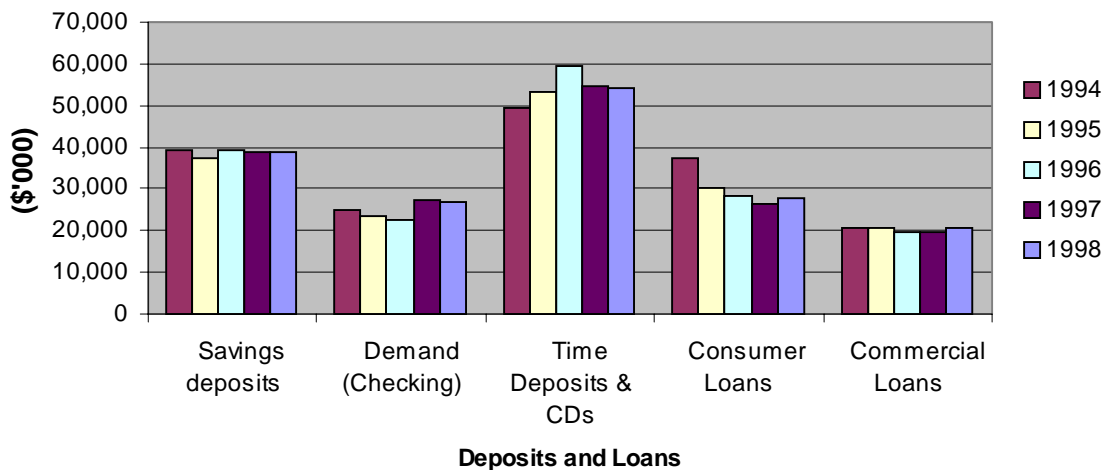


Table 12.1. Licensed Businesses and Manufacturing Establishments in the Private Sector by State: CY1997

ISIC	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	1,069	221	215	248	385
Mining and Quarrying	5	-	2	2	1
Manufacturing	64	34	11	14	5
Electricity, Gas and Water	45	17	4	6	18
Construction	67	10	13	2	42
Wholesale and Retail Trade	359	76	93	50	140
Hotels and Restaurants	93	6	48	16	23
Transport, Storage and Communication	18	1	-	-	17
Real Estate, Rent and Bus.	129	49	30	25	25
Other Services	289	28	14	133	114

Sources: Statistical yearbooks for the respective states.

Table 12.2. Active Foreign Investment Businesses in the FSM: CY97 to CY98

ISIC	1997					1998				
	Total	Kosrae	Pohnpei	Chuuk	Yap	Total	Kosrae	Pohnpei	Chuuk	Yap
Total	24	3	8	8	5	48	11	17	12	8
Fishing & Agriculture	5	-	1	2	2	10	2	3	3	2
Mining and Quarrying	-	-	-	-	-	-	-	-	-	-
Manufacturing	1	-	-	1	-	-	-	-	-	-
Electricity, Gas and Water	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	5	1	3	1	-
Wholesale and Retail Trade	4	-	2	1	1	-	-	-	-	-
Hotels and Restaurants	6	1	2	2	1	2	1	-	1	-
Trans, Storage and Comm.	2	1	1	-	-	9	2	2	3	2
Financial Intermediation	4	1	1	1	1	4	1	1	1	1
Real Estate, Rent and Bus.	-	-	-	-	-	5	1	2	1	1
Government Services	-	-	-	-	-	-	-	-	-	-
Education	-	-	-	-	-	-	-	-	-	-
Other Services	2	-	1	1	-	13	3	6	2	2

Source: Registrar of Corporation, Dept of Economic Affairs.

Table 12.3. Business Gross Receipts by State, FSM: 1994 - 1998

State	1998	1997	1996	1995	1994
Total	300,437,662.41	250,837,414.30	234,417,960.69	243,464,923.42	239,562,426.56
Kosrae	17,778,582.87	18,255,612.61	17,715,875.29	19,310,701.02	26,264,320.72
Pohnpei	175,503,802.35	146,777,964.17	126,971,963.71	113,817,253.72	103,622,509.67
Chuuk	54,233,813.84	43,575,960.75	46,074,892.70	70,084,394.58	61,800,077.80
Yap	52,921,463.35	42,227,876.77	43,655,228.99	40,252,574.10	47,875,518.37

Source: Revenue Division, FSM Finance.

Table 12.4. Interest Rate Data (in Percent), FSM: FY98

	Percent											
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98
DEPOSIT RATES 1./												
Savings deposits	3.00	3.00	3.00	3.00	3.00	3.00	2.92	2.92	2.92	2.92	2.83	2.83
CDS	4.29	4.25	4.26	4.27	4.20	4.37	4.14	3.97	3.93	3.93	3.76	3.92
Time Deposits	4.98	5.04	5.04	4.96	4.85	4.96	4.90	4.90	4.90	4.90	4.90	4.90
Other Deposits	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
LENDING RATES 2./												
Consumer Loans	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Commercial Loans	10.00	10.83	10.83	10.33	10.75	10.75	10.75	10.75	10.75	10.75	10.67	10.67

Source: FSM Banking Board.

Table 12.5. Commercial Bank Deposits and Loans, FSM: 1994 to 1998 [\$'000]

	Amount ('000)				
	1994	1995	1996	1997	1998
Savings deposits	39,451	37,433	39,223	38,953	38,639
Demand (Checking)	24,779	23,603	22,699	27,347	26,727
Time Deposits & CDs	49,316	52,988	59,459	54,803	53,954
Consumer Loans	37,241	30,173	28,193	26,284	27,726
Commercial Loans	20,701	20,662	19,558	19,690	20,632

Source: FSM Banking Board.

Chapter 13: Summary of Other Indicators

The overall land area in the FSM is about 271 square miles. Pohnpei has the largest land area followed by Chuuk, Yap and Kosrae. In 1998 much of the land in FSM are public land, only about a third of the land is privately owned. By state, the percentage of land privately owned is as follows: 35 percent in Kosrae; 32 percent in Pohnpei; and 33 percent in Chuuk. This information is not available for Yap. The state centers occupied about 17 square miles. The highest elevation in the FSM is in Pohnpei at about 2,595 feet above sea level. Chuuk has the largest lagoon area followed by Yap and Pohnpei.

In 1998 the average total rainfall in the FSM is about 110 inches, a drop from the 149 inches in 1997. On the other hand, the average temperature increased slightly in the same period, from 80.4 to 80.7. In 1998, Pohnpei has the highest inches of rainfall (about 129 inches) and lowest in Chuuk (about 91 inches). Chuuk and Yap have higher temperatures than Pohnpei and Kosrae.

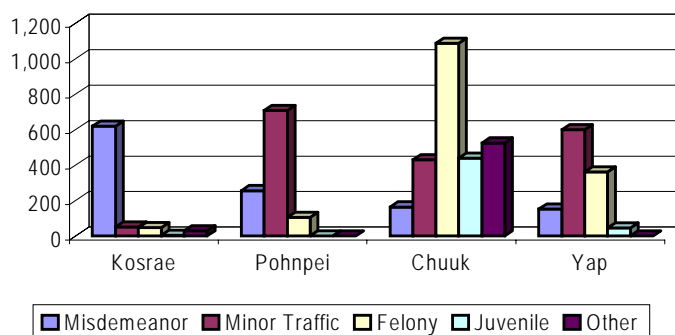
As shown in the graph below, the number of reported criminal offenses in the FSM increased from 5,445 in 1995 to 5,943 in 1996, then decreased to 5,627 in 1997. The major contributing offense in all these years was minor traffic followed by misdemeanor, felony then juvenile. About 10 percent of the total offenses are juvenile related in 1995 to 1997.

In 1997, Chuuk had the highest number of reported criminal offenses, of which 50 percent were felonies and 17 percent were juvenile related. Minor traffic was the major contributing offense in Pohnpei and Yap while Kosrae's was misdemeanor.

The number of cases filed in Pohnpei and Yap increased 1995 and 1997 while it declined for Kosrae. Most of the cases filed in Pohnpei and Yap were civil and criminal cases, respectively. In 1997, about 1 percent to 10 percent of cases filed in the states was juvenile related.

The number of prisoners in the FSM declined from 63 in 1994 to 39 in 1997. By state, number of prisoners in Pohnpei and Kosrae steadily declined between 1994 and 1997. Yap, on the other hand, reached a low 14 prisoners in 1995 then increased, however slightly, thereafter. Over the same period, the number of gun licenses issued in the FSM declined from almost 300 to slightly over 200. Pohnpei issued the most gun licenses in all the reported years.

Reported Criminal Offenses, 1997



The number of generator and hydro-electric engines increased from 30 in 1995 to 33 in 1997. The production of electricity over the same period declined. Pohnpei has the most number of power generating engines and largest amount of electricity production. In 1997, the efficiency rate of utility bills collection was 85 percent. Kosrae and Yap were the most efficient in the collection efforts followed by Pohnpei, and Chuuk.

Electricity Production, 1995-1997

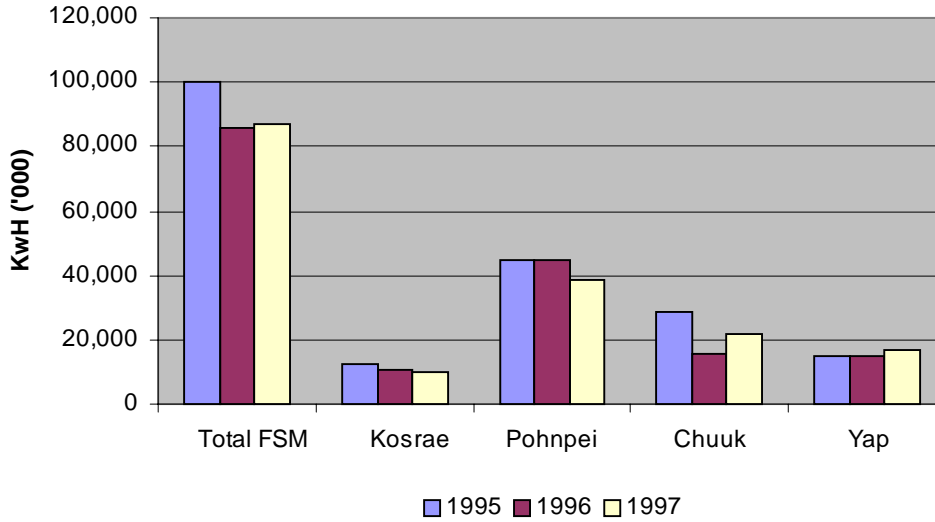


Table 13.1. Geographic Characteristics by State: 1998

Characteristics ¹	FSM Total	Kosrae	Pohnpei	Chuuk	Yap
Dry land	270.7	42.3	133.3	49.2	45.9
Public land	52.4	27.2	24.4	0.2	N/A
Private land	74.5	15.0	42.8	16.4	N/A
Commercial land	0.3	0.1	0.2	0.1	N/A
Lagoon	3,512.4	...	331.4	2,776.0	405.0
State center area	17.1	8.3	0.6	7.3	0.9
Maximum elevation (feet)	2,595.0	2,064.0	2,595.0	1,453.0	579.0
Distance from Capital State Pohnpei (naut.mile)	...	319.0	...	383.0	1,210.0

Note: ¹ Measurements are in square miles unless otherwise stated.

Sources: Statistical Yearbooks for the respective states; Kosrae Island Development Review Commission Office, Forestry Division, Chuuk Land Commission; Vegetation Survey of Yap, 1976.

Table 13.2. Climate Characteristics by State: 1996 to 1998

Characteristics	1998					1997					1996				
	FSM ¹	Kos- rae	Pohn- pei	Chuuk	Yap	FSM ¹	Kos- rae	Pohn- pei	Chuuk	Yap	FSM ¹	Kos- rae	Pohn- pei	Chuuk	Yap
Rainfall (inches)	109.5 ²	117.4	128.6	91.2	100.8	148.6	196.8	174.7	112.1	110.7	170.3	192.7	180.5	143.9	164.2
Mean	9.1	9.8	10.7	7.6	8.4	12.4	16.4	14.6	9.3	9.2	14.2	16.1	15.0	12.0	13.7
Maximum	18.5	20.9	19.9	15.0	18.1	20.9	24.0	28.4	15.5	15.9	27.8	32.7	28.0	23.6	26.9
Minimum	1.0	2.4	0.6	0.8	0.2	2.9	3.2	3.4	2.5	2.4	6.8	8.7	6.8	6.2	5.6
Temperature °F															
Mean	80.7	80.3	80.4	81.0	80.9	80.4	79.5	80.5	80.6	80.8	81.0	80.9	81.0	81.5	80.7
Maximum	83.2	85.6	81.8	82.9	82.4	84.8	87.9	87.6	81.5	82.2	85.0	88.6	88.0	82.2	81.3
Minimum	79.5	78.9	79.4	79.8	79.9	76.0	71.0	74.2	79.4	79.4	76.8	73.2	74.0	80.7	79.1
Cloudiness															
Clear (days)	5	N/A	3	2	10	1	N/A	2	-	2	...	N/A	2	N/A	N/A
Partly (days)	130	N/A	119	100	171	77	N/A	80	29	123	...	N/A	74	N/A	N/A
Cloudy (days)	230	N/A	243	262	184	286	N/A	283	336	240	...	N/A	290	N/A	N/A
Humidity (%)	80	N/A	81	78	82	104	63	85	81	84	...	66	80	N/A	N/A

Note: ¹ Average of the four states.

² The significant decrease from the previous year was due to the drought in the early part of 1998.

³ Kosrae station is not on 24-hour service.

Source: FSM Weather Services; Kosrae Stastics Unit.

Table 13.3. Criminal Offenses by State: 1995 to 1997

Offense/Year	Total	State			
		Kosrae	Pohnpei	Chuuk	Yap
Total					
1997	5,627	751	1,070	2,646	1,160
1996	5,943	837	1,947	1,906	1,253
1995	5,445	1,210	1,112	2,677	446
Misdemeanor					
1997	1,193	620	256	164	153
1996	1,299	650	352	150	147
1995	2,188	1,010	284	894	N/A
Minor Traffic					
1997	1,789	51	708	430	600
1996	2,633	46	1,396	403	788
1995	1,725	34	588	685	418
Felony					
1997	1,602	47	106	1,087	362
1996	931	92	199	367	273
1995	817	98	155	564	N/A
Juvenile					
1997	489	4	0	440	45
1996	546	6	0	495	45
1995	516	13	85	390	28
Other					
1997	554	29	0	525	N/A
1996	534	43	0	491	N/A
1995	199	55	0	144	N/A

Sources: Division of Public Safety, Attorney General Offices and Yearbooks in the respective states.

Table 13.4. Number of Prisoners: 1994 to 1997

	1997	1996	1995	1994
Total	39	48	54	63
Kosrae	6	7	10	13
Pohnpei	17	26	30	31
Chuuk	N/A	N/A	N/A	N/A
Yap	16	15	14	19

Note: ¹ The non-availability of data in Chuuk was due to the burned down of the public safety office in 199

Sources: Pohnpei Department of Justice; Yap Attorney General's Office.

Table 13.5. Types of Cases Filed by State: 1995 to 1997

Types of Cases	Total FSM ¹	State			Yap
		Kosrae	Pohnpei	Chuuk ²	
Total					
1997	2,089	365	1,287	N/A	437
1996	2,194	451	1,350	N/A	393
1995	2,082	502	1,247	N/A	333
Civil					
1997	852	79	764	N/A	9
1996	993	98	884	N/A	11
1995	820	73	738	N/A	9
Criminal					
1997	945	60	502	N/A	383
1996	930	140	453	N/A	337
1995	863	91	476	N/A	296
Juvenile					
1997	59	4	10	N/A	45
1996	60	2	13	N/A	45
1995	53	-	25	N/A	28
Other					
1997	233	222	11	N/A	N/A
1996	311	211	-	N/A	N/A
1995	346	338	8	N/A	N/A

Note: ¹ The non-availability of data in Chuuk was due to the burned down of the public safety office in 1998.

Sources: Kosrae State Court; Pohnpei Municipal courts; Yap Attorney General's Office.

Table 13.6. Gun Licenses Issued by State: 1994 to 1997

State	Year			
	1997	1996	1995	1994
Total	224	283	279	298
Kosrae	10	7	6	6
Pohnpei	155	187	159	170
Chuuk	45	56	80	122
Yap ¹	14	33	34	...

Note: ¹ Figures reported are air-guns. It is illegal to own firearm in Yap.

Sources: FSM Office of the Attorney General, Yap State Department of Public Safety.

Table 13.7. Electricity Production Statistics, FSM: FY 1995 to FY 1997

State/Year	Electricity Produced (1000 kWh)	Diesel Fuel Required (gallons)	Peak Demand for Electricity (KwH)	Generating Capacity (kilowatts)
Total FSM				
1997	86,810	4,387,505	3,767	39,460
1996	85,626	6,112,952	3,920	39,460
1995	100,333	5,867,243	3,838	33,160
Kosrae				
1997	9,777	662,678	2,000	3,860
1996	10,317	772,012	2,010	3,860
1995	12,296	958,936	2,210	3,860
Pohnpei				
1997	38,540	2,652,737	6,800	22,100
1996	44,890	2,932,744	7,250	22,100
1995	44,517	2,969,353	7,200	22,200
Chuuk				
1997	21,968	1,366,736	N/A	N/A
1996	15,561	1,080,196	N/A	N/A
1995	28,562	1,938,954	N/A	N/A
Yap				
1997	16,525	1,072,090	2,500	13,500
1996	14,858	1,328,000	2,500	13,500
1995	14,958	N/A	2,103	7,100

Sources: Public Utilities in the respective states.

Table 13.8. Sources of Electricity, FSM: FY 1995 to FY 1997

	Generator/Hydro	
	Number	Kilowatt Hours per Year
Total FSM		
1997	33	86,810,476
1996	32	85,625,355
1995	30	100,333,073
Kosrae		
1997	7	9,776,995
1996	7	10,316,505
1995	6	12,296,371
Pohnpei ¹		
1997	15	38,539,740
1996	15	44,889,650
1995	15	44,516,800
Chuuk		
1997	3	21,967,906
1996	2	15,561,200
1995	3	28,562,100
Yap		
1997	8	16,525,835
1996	8	14,858,000
1995	6	14,957,802

Note: ¹There were also 15 solar systems which produced an additional average of 16,350 kwh per year not reflected above.

Sources: Public Utilities Corporation in the respective states.

Table 13.9. Power and Water Collection by State, FSM: FY 1995 to FY 1997

Collection	Total	Amount (in US\$)			
		Kosrae	Pohnpei	Chuuk ¹	Yap
1997	11,479,797	1,315,351	6,359,260	1,585,000	2,220,186
Power	10,706,379	1,315,351	5,774,072	1,585,000	2,031,956
Water	773,418	...	585,188	N/A	188,230
1996	7,051,113	1,193,701	5,857,412	N/A	N/A
Power	6,509,249	1,193,701	5,315,548	N/A	N/A
Water	541,864	...	541,864	N/A	N/A
1995	7,316,455	1,134,319	4,809,646	N/A	1,372,490
Power	5,455,537	1,134,319	4,321,218	N/A	N/A
Water	488,428	...	488,428	N/A	N/A

Note: ¹ The unavailability of data in Chuuk was due to the non-existence of a record keeping system of payments before the agency was privatized.

Sources: Public Utilities Corporation (PUC) in the respective states; Water Systems in Yap; Statistics Offices in the respective states.

Table 13.10. Power and Water Bills Collected (\$'000) by State, FSM FY 1997

Collection	Amount (\$)				
	Total	Kosrae	Pohnpei	Chuuk	Yap
Total					
Total Bills	13,455,633	1,124,905	73,150,969	2,605,000	2,220,186
Bills Collected	11,479,798	1,315,351	6,359,261	1,585,000	2,220,186
Bills Out-standing	1,975,836	-	955,836	1,020,000	-
Efficiency of Collectic	85.3	116.9	86.9	60.8	100.0
Electricity					
Total Bills	12,126,035	1,124,905	6,364,174	2,605,000	2,031,956
Bills Collected	10,706,379	1,315,351	5,774,072	1,585,000	2,031,956
Bills Out-standing	1,610,101	-	590,101	1,020,000	-
Efficiency of Collectic	86.9	116.9 ¹	90.7	60.8	100.0
Water					
Total Bills	1,139,152	...	950,922	N/A	188,230
Bills Collected	773,418	...	585,188	N/A	188,230
Bills Out-standing	365,734	...	365,734	N/A	-
Efficiency of Collectic	67.9	...	61.5	N/A	100.0

Note: ¹Collection for the year preceeded the total billed for the year.

Sources: Public Utilities Corportions in the respective states.

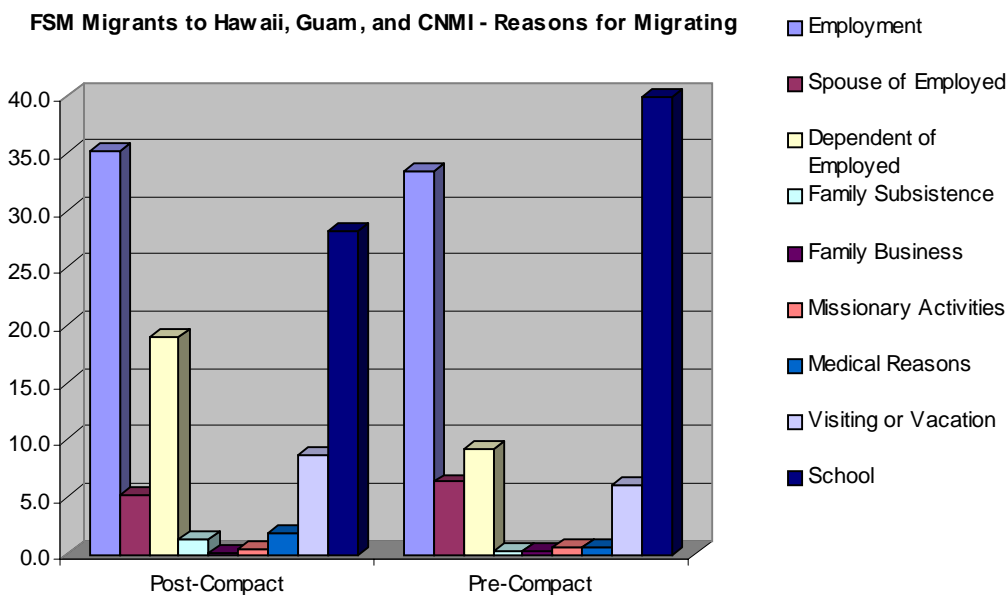
Chapter 14: Summary on the Emigrants in Hawaii, Guam and CNMI

This chapter compares some characteristics of FSM migrants to Hawaii, Guam, and CNMI before and after the Compact of Free Association with the United States. The compact grants free access for the FSM citizens into United States and its territories in November 1986, so more people have migrated with their families looking for jobs and gradually settling down in the process. The tables in this chapter tell us about the increase in the migration and the change in the purpose of migrating over the two periods (before and after the compact). These tables focus mainly on the demographic, social, and economic characteristics of the migrants over time.

The demographic characteristics explain that most emigrants were in the working age and a very small percentage of less than 3 was found in the retirement ages in both periods. After the Compact implementation, the average household size experienced an increase to about 3 percentage points from the 2 percent prior to the Compact. The median age was highest during the Post-Compact in Hawaii suggesting less number of children or higher proportion of adults moved there after the compact implementation. The sex ratios show a falling trend suggesting more females migrating than it used to be.

The social characteristics of migrants include the language they spoke in their homes, the school they enrolled, and their achievements by gender. For both periods, the highest proportion spoke English were found in Hawaii, about a quarter while those in Guam and CNMI used their own language. The number of children attending primary education increased to over 50 percent after the Compact while the secondary and post secondary enrollments decreased. Both males and females experienced lower attainment at all levels after the compact, justifying emigrants moved mainly to work rather than schooling.

This graph illustrates the migrants' main reasons for leaving FSM for the two periods. More people reported their reason for migrating as employment rather than schooling. The increase in "dependent of employed" shows that more workers taking along not only their spouse but children as well.



The occupation and industry where most of the migrants reported working were "Precision Production/Crafts" and "Retail Trade" respectively. The proportion of men into fishing is less than it was before the implementation of the compact but more men are into Agriculture, Manufacturing, and Retail Trade. The proportion in Managerial or Professional experienced a decrease by 4 percentage points. Another decline is seen in those participating in Public Administration – the proportion of FSM migrants holding government job was higher during the Pre-Compact than the Post-Compact.

Table 14.1. Pre- and Post-Compact FSM Migrants to Hawaii, Guam and CNMI: 1997 and 1998

Group	Total	1997		1998
		Hawaii	Guam	CNMI
Total	12,934	3,786	6,949	2,199
Post-Compact migrants and children	11,140	3,312	6,325	1,503
Post-Compact migrants only	9,102	2,853	5,254	995
Children of migrants only	2,038	459	1,071	508
Pre-Compact migrants	791	232	270	289
Other persons in the households	1,003	242	354	407

Source: 1997 Censuses of Micronesian Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.

Table 14.2. Demographic Characteristics of FSM Migrants to Hawaii, Guam and CNMI: 1997 and 1998

Demographic Characteristics	1997							
	Total		Hawaii		Guam		CNMI	
	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp
Total	11,140	791	3,312	232	6,325	270	1,503	289
Males	51.9	56.6	54.8	66.4	50.8	58.5	50.2	45.0
Females	48.1	43.4	45.2	33.6	49.2	41.5	49.8	55.0
Sex Ratio	108.5	140.1	121.1	197.4	103.4	141.1	100.9	81.8
Median Age	20.7	34.9	22.9	33.1	21.7	34.9	17.4	36.8
Less than 15 years	35.7	3.2	27.3	0.9	35.1	5.6	44.6	3.1
15 to 29 years	40.3	24.3	48.1	31.0	38.9	16.3	34.0	25.6
30 to 44 years	17.4	55.6	17.5	54.7	19.2	64.1	15.4	48.1
45 to 59 years	4.8	14.3	4.7	12.5	5.4	12.2	4.4	18.3
60 years and over	1.8	2.5	2.4	0.9	1.5	1.9	1.5	4.8
Males 15+ Never Married	54.5	28.7	60.2	40.1	51.6	19.5	51.6	26.6
Females 15+ Never Married	48.1	25.4	47.7	25.6	43.8	23.6	52.9	27.0
Households	2,051	134	908	134	931	139	212	129
Persons per Household	4.5	2.0	3.1	1.8	5.6	1.9	4.7	2.2
Persons per Family	5.5	2.2	5	2	5.9	1.9	5.5	2.5

Source: 1997 Censuses of Micronesian Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.

Table 14.3. Reasons for Migrating by Sex for FSM Migrants to Hawaii, Guam and CNMI: 1997 and 1998

Reasons for Migrating	Total		1997				1998	
	Post-Comp	Pre-Comp	Hawaii		Guam		CNMI	
			Post-Comp	Pre-Comp	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp
Total Migrants	9,102	791	2,853	232	5,254	270	995	289
Employment	35.2	33.4	21.6	16.8	44.7	41.1	39.2	42.2
Spouse of Employed	5.2	6.3	2.3	7.3	6.7	7.4	6.5	4.2
Dependent of Employed	19.0	9.2	7.9	9.5	25.5	11.5	23.5	6.6
Family Subsistence	1.3	0.2	0.6	0.0	2.1	0.4	1.3	0.3
Family Business	0.2	0.2	0.1	0.0	0.4	0.4	0.0	0.3
Missionary Activities	0.4	0.6	0.3	0.0	0.5	0.7	0.5	1.0
Medical Reasons	1.9	0.7	5.0	1.7	0.5	0.4	0.1	0.0
Visiting or Vacation	8.6	6.0	9.1	3.0	4.6	1.9	12.2	13.1
School	28.2	39.9	53.1	61.6	14.9	36.3	16.7	21.8
Males	4,733	442	1,574	154	2,672	158	487	130.0
Employment	43.5	42.3	28.3	21.4	54.8	52.5	47.4	53.1
Spouse of Employed	0.4	0.5	0.1	0.0	0.8	0.6	0.2	0.8
Dependent of Employed	17.4	11.9	5.5	9.1	24.0	8.2	22.6	18.5
Family Subsistence	0.9	0.2	0.2	0.0	1.3	0.6	1.2	0.0
Family Business	0.1	0.5	0.0	0.0	0.3	0.6	0.0	0.8
Missionary Activities	0.3	0.5	0.4	0.0	0.5	0.6	0.0	0.8
Medical Reasons	1.4	0.6	3.6	1.9	0.4	0.0	0.2	0.0
Visiting or Vacation	7.3	2.9	7.6	1.3	3.6	1.3	10.7	6.2
School	28.8	40.5	54.3	66.2	14.3	35.4	17.7	20.0
Females	4,369	349	1,279	78	2,582	112	508	159
Employment	26.3	22.0	13.4	7.7	34.2	25.0	31.3	33.3
Spouse of Employed	10.2	15.2	5.0	21.8	12.9	17.0	12.6	6.9
Dependent of Employed	20.8	14.0	10.7	10.3	27.2	16.1	24.4	15.7
Family Subsistence	1.8	0.2	1.0	0.0	2.9	0.0	1.4	0.6
Family Business	0.2	0.0	0.2	0.0	0.5	0.0	0.0	0.0
Missionary Activities	0.6	0.7	0.2	0.0	0.5	0.9	1.0	1.3
Medical Reasons	2.4	0.7	6.7	1.3	0.6	0.9	0.0	0.0
Visiting or Vacation	10.1	9.3	11.0	6.4	5.7	2.7	13.6	18.9
School	27.7	37.8	51.7	52.6	15.6	37.5	15.7	23.3

Note: The 2,038 children of the migrants were not included in the above data. They were not required to provide the reason for migration.

Source: 1997 Censuses of Micronesian Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.

Table 14.4. Social Characteristics of FSM Migrants to Hawaii, Guam and CNMI: 1997 and 1998

Characteristics	1997						1998	
	Total		Hawaii		Guam		CNMI	
	Post-Compact	Pre-Compact	Post-Compact	Pre-Compact	Post-Compact	Pre-Compact	Post-Compact	Pre-Compact
Total Population	11,140	791	3,312	232	6,325	270	1,503	289
Persons 5+ Years	9,654	791	2,888	232	5,492	270	1,274	289
Language Use (5+ Years)								
Speak English at Home	19.6	23.9	24.5	35.8	15.9	14.1	18.4	21.8
Speak Other Language at Home More Frequently than English	66.7	56.4	50.0	34.1	75.7	68.1	74.5	67.1
School Enrollment								
Persons 3+ Years, Enrolled	3,077	84	896	19	1,667	35	514	30
Public Elementary School	51.0	28.9	34.0	10.5	57.3	42.9	61.7	33.3
Public High School	20.8	26.4	22.5	31.6	19.0	14.3	20.8	33.3
College/University	19.2	43.6	38.7	57.9	14.0	42.9	4.9	30.0
Educational Attainment (Cum. %)								
Total Persons 25+ Years	4,391	678	1,369	199	2,535	236	487	243
No Education	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Grade 8 or less	97.7	98.6	99.7	100.0	96.6	98.3	96.7	97.5
Some High School	75.7	85.5	85.8	92.5	67.7	86.9	73.5	77.0
High School Graduate	49.9	69.3	60.7	78.4	47.8	77.5	41.3	51.9
Some College/Two Year Degree	22.6	41.9	34.8	50.3	19.2	55.5	13.8	19.8
Bachelor's Degree	1.5	5.1	1.6	1.5	1.3	9.7	1.6	4.1
Graduate Degree	0.2	0.7	0.5	0.0	0.2	0.4	0.0	1.6
Males 25+ Years	2,355	385	792	136	1,328	140	235	109
No Education	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Grade 8 or less	98.0	99.8	99.5	100.0	97.4	99.3	97.0	100.0
Some High School	80.2	88.4	89.1	94.9	72.0	85.0	79.6	85.3
High School Graduate	54.9	73.5	63.5	85.3	52.4	73.6	48.9	61.5
Some College/Two Year Degree	26.2	47.2	38.6	57.4	22.2	55.7	17.9	28.4
Bachelor's Degree	2.3	6.5	1.8	0.7	1.6	11.4	3.4	7.3
Graduate Degree	0.3	1.2	0.5	0.0	0.3	0.0	0.0	3.7
Females 25+ Years	2,036	293	577	63	1,207	96	252	134
No Education	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Grade 8 or less	97.4	97.5	100.0	100.0	95.9	96.9	96.4	95.5
Some High School	70.7	82.3	81.1	87.3	63.0	89.6	67.9	70.1
High School Graduate	44.5	63.6	56.8	63.5	42.7	83.3	34.1	44.0
Some College/Two Year Degree	18.5	34.3	29.6	34.9	15.9	55.2	9.9	12.7
Bachelor's Degree	0.8	4.0	1.4	3.2	0.9	7.3	0.0	1.5
Graduate Degree	0.2	0.3	0.5	0.0	0.1	1.0	0.0	0.0

Source: 1997 Censuses of Micronesians Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.

Table 14.5. Labor Force Characteristics of FSM Migrants to Hawaii, Guam and Guam: 1997 and 1998

Characteristics	Total		1997				1998	
	Post-Compact	Pre-Compact	Hawaii		Guam		CNMI	
			Post-Compact	Pre-Compact	Post-Compact	Pre-Compact	Post-Compact	Pre-Compact
Total Persons 16 years and Over	6,548	719	2,373	228	3,379	213	796	278
In the Labor Force	57.3	66.8	52.5	65.8	58.6	65.5	60.9	69.1
Unemployed	11.4	7.0	12.8	6.0	13.1	7.3	8.2	7.8
Worked 1996(HI/GUM) 1997 CNMI	148.7	188.1	46.2	64.5	44.7	57.1	57.8	66.5
Worked Whole Year	30.3	48.5	23.7	49.1	29.5	40.5	37.7	55.8
Worked Full-time	44.5	58.9	35.0	58.3	42.6	54.8	55.9	63.7
Worked whole year, full-time	28.0	46.0	18.9	44.7	28.4	39.7	36.8	53.6
Males 16 years and Over	3,146	386	1,352	151	1,421	108	373	127
In the Labor Force	69.3	77.4	62.5	76.8	69.7	73.5	75.6	81.9
Unemployed	9.3	6.2	9.0	5.2	9.9	4.6	8.9	8.7
Worked 1996(HI/GUM) 1997 CNMI	202.6	242.5	53.9	75.5	79.0	89.8	69.7	77.2
Worked Whole Year	43.1	63.5	28.4	55.6	53.0	69.4	48.0	65.4
Worked Full-time	62.4	76.8	42.9	68.2	76.4	88.9	67.8	73.2
Worked whole year, full-time	40.7	60.6	23.6	50.3	51.8	69.4	46.6	62.2
Females 16 years and Over	3,402	333	1,021	77	1,958	105	423	151
In the Labor Force	44.8	52.3	39.3	44.2	47.1	54.3	48.0	58.3
Unemployed	15.4	9.3	20.9	8.8	18.0	12.3	7.4	6.8
Worked 1996(HI/GUM) 1997 CNMI	117.2	145.3	35.9	42.9	34.0	44.8	47.3	57.6
Worked Whole Year	22.6	36.6	17.4	36.4	21.9	25.7	28.6	47.7
Worked Full-time	33.8	44.9	24.6	39.0	31.4	40.0	45.4	55.6
Worked whole year, full-time	20.4	34.7	12.6	33.8	20.5	23.8	28.1	46.4

Source: 1997 Censuses of Micronesian Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.

Table 14.6. Employment Characteristics of FSM Migrants to Hawaii, Guam and CNMI: 1997 and 1998

Characteristics	Total		1997				1998	
	Post-Comp	Pre-Comp	Hawaii		Guam		CNMI	
			Post-Comp	Pre-Comp	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp
OCCUPATION: (Percentage)								
Total Employed Persons 16+ Years	3,568	471	1,086	141	2,037	153	445	177
Professional/Technical/Managerial	2.3	6.1	2.9	5.0	1.4	6.5	2.5	6.8
Clerical/Sales	1.9	3.7	1.7	4.3	1.0	0.7	3.1	6.2
Services	0.8	2.3	0.8	5.7	0.5	-	1.1	1.1
Agri./Forestry/Fishing	19.7	26.0	26.5	24.1	14.5	26.1	18.0	27.7
Precision Production/Crafts	49.8	41.5	51.7	46.8	57.3	44.4	40.4	33.3
Operators, fabric & laborers	18.8	12.8	9.8	4.3	16.3	13.1	30.3	20.9
All Others	6.6	7.7	6.5	9.9	8.9	9.2	4.5	4.0
Employed Males 16+ Years								
Total Employed Males 16+ Years	2,307	308	769	110	1,281	103	257	95
Professional/Technical/Managerial	2.4	8.2	3.4	5.5	1.4	8.7	2.3	10.5
Clerical/Sales	2.1	4.3	2.0	5.5	1.2	1.0	3.1	6.3
Services	0.8	2.8	0.7	6.4	0.5	-	1.2	2.1
Agri./Forestry/Fishing	13.2	19.0	12.9	14.5	10.8	21.4	16.0	21.1
Precision Production/Crafts	48.4	39.5	62.4	53.6	54.4	42.7	28.4	22.1
Operators, fabric & laborers	27.0	18.9	12.9	4.5	24.0	18.4	44.0	33.7
All Others	6.2	7.3	5.9	10.0	7.7	7.8	5.1	4.2
INDUSTRY: (Percentage)								
Total Employed Persons 16+ Years	3,568	471	1,086	141	2,037	153	445	177
Agriculture	5.7	3.7	14.9	9.2	2.2	2.0	-	-
Mining	0.2	0.2	-	0.7	0.6	-	-	-
Construction	4.1	3.1	1.2	2.8	10.8	6.5	0.2	-
Manufacturing	16.5	9.5	2.3	3.5	1.9	1.3	45.2	24
Transportation/Communication	6.2	10.3	3.0	5.7	4.2	10.5	11.5	14.7
Wholesale Trade	0.7	0.6	-	-	1.0	1.3	1.1	0.6
Retail Trade	34.5	26.9	49.2	32.6	37.3	26.1	16.9	22.0
Finance/Insurance	2.8	1.6	7.0	-	0.7	2.6	0.7	2.3
Services	22.8	30.7	20.7	29.1	32.1	39.2	15.7	23.7
Public Administration	2.7	8.0	3.2	9.9	1.1	3.9	3.8	10.2
All Others	6.1	5.2	5.4	6.4	8.1	6.5	4.9	2.8
Employed Males 16+ Years								
Total Employed Males 16+ Years	2,307	308	769	110	1,281	103	257	95
Agriculture	7.9	4.3	20.5	10.9	3.3	1.9	-	-
Mining	0.3	0.3	-	0.9	0.9	-	-	-
Construction	6.1	4.4	1.6	3.6	16.8	9.7	-	-
Manufacturing	13.7	7.4	2.9	4.5	2.1	1.9	36.2	15.8
Transportation/Communication	8.9	13.8	3.3	5.5	4.6	11.7	18.7	24.2
Wholesale Trade	1.1	0.6	-	-	1.6	1.9	1.6	-
Retail Trade	28.9	26.7	42.5	31.8	29.1	25.2	15.2	23.2
Finance/Insurance	0.5	0.7	0.5	-	0.5	1.0	0.4	1.1
Services	23.5	27.1	20.3	26.4	33.0	35.0	17.1	20.0
Public Administration	3.4	9.5	3.8	10.9	1.2	4.9	5.1	12.6
All Others	5.8	5.2	4.7	5.5	6.9	6.8	5.8	3.2

Source: 1997 Censuses of Micronesian Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.

Table 14.7 Income Characteristics of FSM Migrants to Hawaii, Guam and CNMI: 1997 and 1998

Income Characteristics	Total		1997				1998	
			Hawaii		Guam		CNMI	
	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp	Post-Comp	Pre-Comp
Households	2,053	396	910	128	931	139	212	129
Median	11,400	17,567	7,949	21,537	12,878	13,166	13,374	17,999
Mean income	18,028	25,436	15,695	32,549	18,449	17,930	19,940	25,830
Families	1,631	358	571	102	879	139	181	117
Median	14,096	19,572	14,727	25,951	13,170	13,166	14,391	19,599
Mean income	19,974	24,933	19,481	29,711	18,808	17,930	21,632	27,158
Per Capita Income (in Dollars)	4,130	11,147	4,213	17,629	3,371	6,194	4,806	9,619
Poverty Universe	11,815	791	4,000	232	6,316	270	1,499	289
Below Poverty Level	59.5	48.8	52.3	31.9	67.4	61.5	58.7	52.9
Below 50% Poverty Level	35.6	30.7	36.5	27.2	46.6	43.3	23.8	21.5
Below 125% Poverty Level	68.7	57.9	61.2	40.5	74.8	70.7	70.0	62.6
Below 185% Poverty Level	83.5	75.6	78.8	60.8	88.6	84.8	83.0	81.3

Source: 1997 Censuses of Micronesians Migrants to Hawaii and Guam; 1998 Census of Migrants to CNMI.