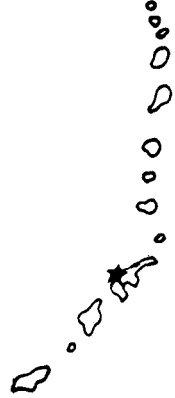


1993

COMMONWEALTH *of the*

NORTHERN MARIANA ISLANDS

STATISTICAL YEARBOOK



Central Statistics Division ♦ Department of Commerce and Labor



COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

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MESSAGE FROM THE GOVERNOR

I am pleased to release this new publication entitled, 1993 COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS STATISTICAL YEARBOOK, prepared by the Central Statistics Division of the Department of Commerce and Labor, as mandated by Public Law 7-35, Statistical Act of 1990. The data available in this publication are of paramount importance in measuring the demographic, economic, and social conditions of our Islands. The Yearbook provides benchmark data for our decision and policy makers and planners.

I am proud of the positive working relationships shown by the staff of the various CNMI departments and agencies that were involved in this project. Their cooperation showed concern for the best interest of the Commonwealth Government and I encourage such positive relationship to continue.

The year 1995 is just around the corner, and another enumeration of our population and related activities will be made. Let's all cooperate to make sure that we obtain the most accurate information.

I would like to congratulate the staff of the Central Statistics Division for their fine efforts in compiling and publishing this important data source.

A handwritten signature in black ink, appearing to read "Froilan C. Tenorio".

FROILAN C. TENORIO



MESSAGE FROM THE DIRECTOR

The Department of Commerce and Labor is pleased to release the 1993 COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS STATISTICAL YEARBOOK, prepared by our Central Statistics Division (CSD). The volume contains the statistical data mandated to be published annually under the **Statistical Act of 1990**.

The range and quality of the data available in this publication indicate the tremendous amount of time and effort rendered by the CSD staff in compiling, editing and finalizing the information covered. Although some data might be very basic, they are essential baseline information to equip our decision and policy makers, planners and other data users both in the private and public sector.

It is only proper for me, at this time, to commend the Chief of CSD and his staff for their excellent efforts in compiling and publishing this Yearbook. We look forward to the subsequent publication of this important statistical data source.


PEDRO Q. DELA CRUZ



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CENTRAL STATISTICS DIVISION

FORWARD/ACKNOWLEDGEMENT

We have endeavored to put together an accurate, comprehensive annual statistical yearbook for the CNMI as mandated by the Statistical Act of 1990. All data are organized in a consistent table format that we hope you will find easy to follow. Following the List of Tables is a conversion table between the English and Metric systems, for those who need to do conversions. The information and data contained in this Yearbook were obtained from many sources, including census publications, unpublished manuscripts, annual reports, and administrative reports and records of government offices, agencies and corporations. The appropriate source(s) of data for each table is (are) listed at the lower left of each table.

We hoped this publication will meet your statistical needs. The contents are the most reliable data we have on the topics. But, in order for the subsequent series to become even more useful, we need to have you, the user, tell us how we may improve it. We welcome your comments, corrections, and suggestions that will help improve the usefulness of this and the annual publications in the coming years. Forward your comments to:

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This Yearbook was prepared by the CNMI Central Statistics Office, Department of Commerce and Labor, under my direction. I would like to thank my staff--Wilhelm Maui, Tom Torres, Jke Teregeyo, Sid Ogarto, Frank Diaz, and Alice Agulto--for their efforts in completing this first Yearbook for the CNMI. Many thanks to Dr. Mike Levin, U.S. Bureau of Census, and Dr. Yun Kim, Utah State University, who reviewed this Yearbook in draft forms and provided valuable advises toward its completion. I thank the many agencies, offices, and businesses for their cooperation during the data collection process, without which this publication would not have been completed. I also thank Ms. Ellie Freidman and Ms. Sue Singh for making their time available to prove read this publication. And last but not least, special thanks to the Statistical Advisory Council for their positive guidance on this and in the many projects that we have undertaken and OTJA of the Department of Interior for the the Technical Assistance in this project and many others.

A handwritten signature in black ink, appearing to read "Juan S. Borja".

*Juan S. Borja
Chief, Central Statistics Division*

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English and Metric Conversion Table

English	Conversion Parameter	Metric	Metric	Conversion Parameter	English
Length					
Inches	X	25.400 = millimeters	millimeters	X	0.039 = Inches
Feet	X	0.305 = meter	meter	X	3.281 = Feet
Statute miles	X	1.609 = kilometers	kilometers	X	0.621 = Statute miles
Area					
Sq. feet	X	0.093 = sq. meter	sq. meter	X	10.764 = Sq. feet
Acres	X	0.405 = hectares	hectares	X	2.471 = Acres
Sq. miles	X	2.589 = sq. kilometers	sq. kilometers	X	0.386 = Sq. miles
Volume & Capacity					
Cubic feet	X	0.028 = cu. meters	cu. meters	X	35.315 = Cubic feet
Cubic yard	X	0.765 = cu. meters	cu. meters	X	1.308 = Cubic yard
Fluid ounces	X	29.573 = milliliters	milliliters	X	0.034 = Fluid ounces
Quarts (liq.)	X	0.946 = liter	liter	X	0.057 = Quarts (liq.)
Gallons (liq.)	X	3.785 = liters	liters	X	0.264 = Gallons (liq.)
Mass					
Ounces	X	28.350 = grams	grams	X	0.035 = Ounces
Pounds	X	0.454 = kilograms	kilograms	X	2.205 = Pounds
hwt	X	45.359 = kilograms	kilograms	X	0.022 = hwt
Short tons	X	0.907 = metric tons	metric tons	X	1.102 = Short tons
Miscellaneous					
1 statute mile = 5,280 feet = 1,760 yards			1 acre = 43,560 sq. feet		
1 square mile = 640 acres			1 short ton = 2,000 pounds		

Symbols and Abbreviations

The following symbols and abbreviations are used in the tables throughout this report:

"-"	A dash means no data was available.
"..."	Three dots mean not applicable.
(D)	A capital letter "D" means data withheld to avoid disclosing individual farms.
N. Is. or North. Is.	N. Is. or North. Is. means Northern Islands.

Chapter 1

Population

Summary of Population

The population in the Commonwealth of the Northern Mariana Islands increased tremendously between 1980 and 1990. This increase in population took place in the islands of Saipan, Rota, and Tinian, but not in the Northern Islands. Since 1935, Saipan's population has increased proportionately more than Rota's and Tinian's population. By 1990, about 90 percent of the CNMI population was in Saipan, about 5 percent was in Rota, about 5 percent was in Tinian, and less than one percent was in the Northern Islands. Similarly, population density has increased in Saipan much faster than in Rota and in Tinian: by 1992 estimates, population density in Saipan was well over 1,000 persons per square mile; the same estimates showed that in Rota, population density was about 80 persons per square mile; and in Tinian, 65 persons per square mile.

In Saipan, places of population concentration shifted between 1980 and 1990. In 1980, Garapan had over 27 percent of Saipan's total population and Chalan Kanoa had over 18 percent; by 1990, Garapan's population had increased to over 31 percent, San Antonio-Koblerville area's population increased to almost 20 percent, and San Vicente's increased to almost 17 percent of Saipan's total population. In both Rota and Tinian, places of population centers remained the same in 1980 and in 1990: Songsong and San Jose, respectively.

Over 61 percent of the population in the CNMI were born elsewhere and migrated into the Commonwealth; most of them came into the CNMI in the second half of the 1980's and into the 1990's. The majority of all immigrants were temporary residents who were residing in the Commonwealth under employment visas. The immigrant population's age distribution is different from that of CNMI-born population: the immigrant population is older, mostly 20 to 44 year-olds. The CNMI born population is younger with a median age of 16.7 years.

Major changes in population characteristics in the Commonwealth resulted from the tremendous migration into the CNMI between 1980 and 1990. The characteristics of these migrant workers combined with local population resulted in major shifts, such as (1) a significant difference in the number of married males and married females, (2) a high proportion of females employed, (3) a higher median age, and (4) a high male-female ratio.

The population in the CNMI is relatively older now, compared to prior census years: the mean age in 1990 was 27.4 years, compared to 19.6 years in 1980 and 15.7 in 1970.

In 1990, total males outnumbered total females: the male-female ratio in 1990 was 111 males to every 100 females. By age group, however, females outnumbered males in age group 5-9, in age group 15-19, in age group 20-94, and in age group 60-64 years old.

The Majority of persons lived in households in 1990, but proportionately more lived in group quarters compared to 1980: 26.4 percent of population were in group quarters in 1990, an increase from 5.4 percent in 1980.

Sixty two percent of males were married, while only 42 percent of females were married in 1990. The disparity between the proportion of married males and married females reflects the different age distribution of male and female populations in the Commonwealth in 1990. A greater proportion of females, compared to males, were in age group 20-24 and age group 25-29; while a greater proportion of males were in age group 30-44. Hence, the likelihood of males being married was much higher than for females being females.

Only 38.6 percent of population in 1990 was born in the CNMI. The rest, a vast majority, of the population were born outside of the CNMI. Almost half were born in Asian countries (Philippines, Japan, Korea, China, Thailand)--over thirty eight percent were born in the Philippines alone. In contrast, in 1980, almost 72 percent of CNMI population were born in the Commonwealth. This drastic shift in the birthplace of persons in the Commonwealth is more pronounced in Saipan than in Rota and Tinian.

In 1990, the Filipino ethnic group was the largest single ethnic group in the Commonwealth; the Filipinos slightly outnumbered the Chamorros in 1990. This phenomenal change was true in Saipan where the vast majority of CNMI population was (and still is) located. In Rota and in Tinian, Chamorro was still the most dominant ethnic group, although not as dominant as in previous years. In the Northern Islands, Carolinian was the most dominant ethnic group.

The tables in the rest of this chapter show detailed population characteristics in the Commonwealth in recent years.

Table 1.1 Population by Island: 1920 to 1992

Census Year	Numbers					Percent				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
1992	52,900	47,786	2,561	2,553	...	100.0	90.3	4.8	4.8	...
1991	48,123	43,341	2,428	2,336	...	100.0	90.1	5.0	4.9	...
1990	43,345	38,896	2,295	2,118	36	100.0	89.7	5.3	4.9	0.1
1980	16,780	14,549	1,261	866	104	100.0	86.7	7.5	5.2	0.6
1973	14,333	12,382	1,104	714	133	100.0	86.4	7.7	5.0	0.9
1967	10,986	9,035	1,078	610	263	100.0	82.2	9.8	5.6	2.4
1958	8,290	6,654	969	405	262	100.0	80.3	11.7	4.9	3.2
1935	4,297	3,194	788	24	291	100.0	74.3	18.3	0.6	6.8
1930	3,829	2,915	644	43	227	100.0	76.1	16.8	1.1	5.9
1925	3,493	2,639	487	180	187	100.0	75.6	13.9	5.2	5.4
1920	3,398	2,449	651	112	186	100.0	72.1	19.2	3.3	5.5

Source: Census reports for respective years; 1920-1935 for Natives only; and 1992 Current Household Survey.

Table 1.2 Population Density by Island: 1920 to 1992

Census Year	Numbers					Persons Per Square Mile				
	Total	Saipan	Rota	Tinian	North. Is.	Total	Saipan	Rota	Tinian	North. Is.*
Area	...	...	...	...	...	184.0	45.0	32.0	39.0	69.0
1992	52,900	47,786	2,561	2,553	...	287.5	1061.9	80.0	65.5	...
1991	48,123	43,341	2,428	2,336	...	261.5	963.1	75.9	59.9	...
1990	43,345	38,896	2,295	2,118	36	235.6	864.4	71.7	54.3	0.5
1980	16,780	14,549	1,261	866	104	91.2	323.3	39.4	22.2	1.5
1973	14,333	12,382	1,104	714	133	77.9	275.2	34.5	18.3	1.9
1967	10,986	9,035	1,078	610	263	59.7	200.8	33.7	15.6	3.8
1958	8,290	6,654	969	405	262	45.1	147.9	30.3	10.4	3.8
1935	4,297	3,194	788	24	291	23.4	71.0	24.6	0.6	4.2
1930	3,829	2,915	644	43	227	20.8	64.8	20.1	1.1	3.3
1925	3,493	2,639	487	180	187	19.0	58.6	15.2	4.6	2.7
1920	3,398	2,449	651	112	186	18.5	54.4	20.3	2.9	2.7

Source: Census reports for respective years; 1920-1935 for Natives only

*Northern Islands were not included in the Labor Force Survey in 1992

Table 1.3 Population by Island and Place: 1980 and 1990

Island and Place	Numbers		Percent Change	Percents			
	1990	1980		CNM		Saipan	
				1990	1980	1990	1980
Total	43,345	16,780	158.3	100.0	100.0	...	...
Saipan	38,896	14,549	167.3	89.7	86.7	100.0	100.0
San Roque	1,250	629	98.7	2.9	3.7	3.2	4.3
Tanapag	3,175	1,476	115.1	7.3	8.8	8.2	10.1
Garapan	12,175	4,006	203.9	28.1	23.9	31.3	27.5
Oleai	2,779	1,720	61.6	6.4	10.3	7.1	11.8
Susupe	1,776	722	146.0	4.1	4.3	4.6	5.0
Chalan Kanoa	3,480	2,678	29.9	8.0	16.0	8.9	18.4
San Antonio	7,685	1,644	367.5	17.7	9.8	19.8	11.3
San Vicente	6,576	1,674	292.8	15.2	10.0	16.9	11.5
Rota	2,295	1,261	82.0	5.3	7.5	...	...
Tinian	2,118	866	144.6	4.9	5.2	...	...
Northern Is.	36	104	-65.4	0.1	0.6	...	...

Source: PC80-1-A57A, Tables 4a and 5; 1990 CPH-6-CNM, Table 3

Table 1.4 Population by Age and Sex: 1973 to 1990

Age Group	Total			Males			Females		
	1990	1980	1973	1990	1980	1973	1990	1980	1973
Total	43,345	16,780	14,333	22,802	8,817	7,484	20,543	7,963	6,849
Less than 5	4,139	2,464	2,410	2,130	1,274	1,238	2,009	1,190	1,172
5 to 9	3,275	2,148	2,194	1,686	1,040	1,127	1,589	1,108	1,067
10 to 14	2,901	2,193	1,920	1,494	1,119	997	1,407	1,074	923
15 to 19	2,773	1,703	1,635	1,215	842	775	1,558	861	860
20 to 24	5,624	1,512	1,257	1,832	709	590	3,792	803	667
25 to 29	6,140	1,463	986	3,134	753	539	3,006	710	447
30 to 34	5,878	1,303	758	3,330	743	454	2,548	560	304
35 to 39	4,330	864	710	2,635	520	412	1,695	344	298
40 to 44	3,112	824	598	2,042	520	357	1,070	304	241
45 to 49	1,921	660	449	1,352	404	276	569	256	173
50 to 54	1,247	496	419	861	315	230	386	181	189
55 to 59	771	388	330	466	225	158	305	163	172
60 to 64	458	267	268	262	125	150	196	142	118
65 to 69	349	228	169	195	119	81	154	109	88
70 to 74	190	139	109	85	65	45	105	74	64
75 and over	237	128	101	83	44	44	154	84	57
Age N.S	...	...	20	...	...	11	...	...	9
Median	27.4	19.6	15.7	29.9	20.9	15.3	24.9	18.3	16.6

Source: PC80-1-B57A, Table 15; TPI Census, Table 4a, and 1990 CPH-6-CNM

Table 1.5 Age Distribution by Island: 1990

Age Group	Number					Percent			
	Total	Saipan	Rota	Tinian	N. Is.	Saipan	Rota	Tinian	N. Is.
Total	43,345	38,896	2,295	2,118	36	100.0	100.0	100.0	100.0
0 to 4	4,139	3,591	277	263	8	9.2	12.1	12.4	22.2
5 to 9	3,275	2,817	235	219	4	7.2	10.2	10.3	11.1
10 to 14	2,901	2,498	210	190	3	6.4	9.2	9.0	8.3
15 to 19	2,773	2,494	149	127	3	6.4	6.5	6.0	8.3
20 to 24	5,624	5,179	221	220	4	13.3	9.6	10.4	11.1
25 to 29	6,140	5,608	222	307	3	14.4	9.7	14.5	8.3
30 to 34	5,878	5,326	287	258	7	13.7	12.5	12.2	19.4
35 to 39	4,330	3,944	206	179	1	10.1	9.0	8.5	2.8
40 to 44	3,112	2,803	175	134	0	7.2	7.6	6.3	0.0
45 to 49	1,921	1,744	93	82	2	4.5	4.1	3.9	5.6
50 to 54	1,247	1,144	49	53	1	2.9	2.1	2.5	2.8
55 to 59	771	706	46	19	0	1.8	2.0	0.9	0.0
60 to 64	458	390	44	24	0	1.0	1.9	1.1	0.0
65 to 69	349	302	25	22	0	0.8	1.1	1.0	0.0
70 to 74	190	162	24	4	0	0.4	1.0	0.2	0.0
75 and over	237	188	32	17	0	0.5	1.4	0.8	0.0
Median	27.4	27.5	26.4	25.6	20.5	...	...	...	...

Source: 1990 CPH-6-CNM, Table 6

Table 1.6 Males per 100 Females by Island: 1980 and 1990

Age Group	1980	1990				
		Total	Saipan	Rota	Tinian	North Is.
Total	111	111	109	127	131	100
0 to 4	107	106	106	113	99	167
5 to 9	94	106	106	99	115	100
10 to 14	104	106	109	106	78	50
15 to 19	98	78	75	101	108	50
20 to 24	88	48	45	103	88	300
25 to 29	106	104	101	155	148	200
30 to 34	133	131	128	154	163	400
35 to 39	151	155	155	131	220	0
40 to 44	171	191	189	192	244	0
45 to 49	158	238	239	191	273	100
50 to 54	174	223	230	188	141	0
55 to 59	138	153	153	119	280	0
60 to 64	88	134	131	144	167	0
65 to 69	109	127	132	178	47	0
70 to 74	88	81	80	71	300	0
75 and over	52	54	49	60	112	0

Source: PC80-1-B57A, Table 15, and 1990 CPH-6-CNM, Table 6

Table 1.7 Household Relationship by Island: 1990

Relationship	Total	Island			
		Saipan	Rota	Tinian	North. Is.
All persons	43,345	38,896	2,295	2,118	36
In households	31,856	27,940	2,006	1,874	36
Family Householder	5,312	4,702	327	277	6
Male	4,061	3,547	270	239	5
Female	1,251	1,155	57	38	1
Nonfamily Hholder	1,561	1,383	89	89	0
Male non-family	1,167	1,028	71	68	0
Female non-family	394	355	18	21	0
Spouse	3,947	3,510	240	192	5
Child	11,949	10,324	824	785	16
Grandchild	1,380	1,226	96	57	1
Parent	233	204	21	8	0
Other relatives	2,848	2,621	118	104	5
Nonrelatives	4,626	3,970	291	362	3

Source: 1990 CPH-6-CNMI, Table 7

Table 1.8 Marital Status by Sex: 1980 and 1990

Marital Status	Number		Percent Change	Percent	
	1990	1980	1980 to 1990	1990	1980
Males, 15 yrs & over	17,492	5,384	224.9	100.0	100.0
Never married	5,971	1,888	216.3	34.1	35.1
Now married	10,872	3,257	233.8	62.2	60.5
Separated/Divorced	419	111	277.5	2.4	2.1
Widowed	230	128	79.7	1.3	2.4
Females, 15 yrs & over	15,538	4,591	238.4	100.0	100.0
Never married	7,839	1,574	398.0	50.5	34.3
Now married	6,577	2,572	155.7	42.3	56.0
Separated/Divorced	504	146	245.2	3.2	3.2
Widowed	618	299	106.7	4.0	6.5

Source: PC80-1-C/D57A, Table 15 and 1990 CPH-6-CNMI, Table 7

Table 1.9 Age, Marital Status, and Fertility by Island: 1990

Fertility	Island				
	Total	Saipan	Rota	Tinian	North. Is.
Women 15 to 19	1,558	1,421	74	61	2
Children ever born	251	226	15	10	0
Women ever married	67	61	2	3	1
Children ever born	59	52	4	3	0
Women 20 to 24	3,792	3,565	109	117	1
Children ever born	1,326	1,113	114	97	2
Women ever married	578	510	41	26	1
Children ever born	702	580	73	47	2
Women 25 to 29	3,006	2,794	87	124	1
Children ever born	2,825	2,452	145	224	4
Women ever married	1,290	1,181	50	58	1
Children ever born	2,169	1,926	104	135	4
Women 30 to 34	2,548	2,332	113	98	5
Children ever born	4,466	3,932	266	249	19
Women ever married	1,792	1,649	74	66	3
Children ever born	3,923	3,489	210	215	9
Women 35 to 39	1,695	1,549	89	56	1
Children ever born	4,433	3,947	279	203	4
Women ever married	1,352	1,234	68	49	1
Children ever born	4,106	3,648	256	198	4
Women 40 to 44	1,070	971	60	39	0
Children ever born	3,457	3,079	233	145	0
Women ever married	917	827	56	34	0
Children ever born	3,271	2,908	231	132	0
Women 45 to 49	569	514	32	22	1
Children ever born	2,300	2,056	129	106	9
Women ever married	507	458	27	21	1
Children ever born	2,211	1,970	127	105	9

Source: 1990 CPH-6-CNMI, Table 6

Table 1.10 Total Fertility and Age-Specific Fertility Rates, CNMI: 1980 and 1990

Age Group	1990			1980		
	1986- 1990	1981- 1985	1976- 1980	1976- 1980	1971- 1975	1966- 1970
TFR	4.17	4.26	5.02	4.24	4.90	6.81
15 to 19 years	107	92	117	103	83	94
20 to 24 years	234	232	268	227	241	294
25 to 29 years	216	223	250	208	235	326
30 to 34 years	164	173	184	163	189	269
35 to 39 years	88	92	108	86	139	251
40 to 44 years	23	33	66	42	75	96
45 to 49 years	2	8	12	17	18	32

Source: Levin and Retherford, Recent Fertility Trends in the Pacific Islands, EWP Papers, Number 101, and unpublished data.

Table 1.11 Birthplace by Island: 1990

Place of Birth	Island				
	Total	Saipan	Rota	Tinian	Northern Islands
All persons	43,345	38,896	2,295	2,118	36
Northern Mariana Islands	16,752	14,378	1,278	1,066	30
Guam	1,122	781	226	115	0
Palau	1,407	1,361	26	15	5
FSM	1,817	1,717	39	60	1
Chuuk	969	953	15	1	0
Kosrae	29	26	1	2	0
Pohnpei	542	519	18	4	1
Yap	273	215	5	53	0
Marshall Islands	103	99	4	0	0
Other Pacific Islands	93	86	0	7	0
Asia	20,610	19,139	658	813	0
Japan	755	721	18	16	0
Korea	2,559	2,526	4	29	0
China	2,707	2,678	21	8	0
Philippines	13,563	12,236	592	735	0
Taiwan	38	30	0	8	0
Vietnam	1	1	0	0	0
Other Asia	987	947	23	17	0
United States	1,271	1,175	60	36	0
California	266	240	18	8	0
Hawaii	112	105	6	1	0
Elsewhere	170	160	4	6	0

Source: 1990 CPH-6-CNMI, Table 9

Table 1.12 Selected Places of Birth: 1980 and 1990

Birthplace	Number		Percent Change 1980 to 1990	Percent	
	1990	1980		1990	1980
Total	43,345	16,780	158.3	100.0	100.0
Northern Marianas	16,752	11,993	39.7	38.6	71.5
FSM	1,817	1,543	17.8	4.2	9.2
Elsewhere	24,776	3,244	663.7	57.2	19.3

Source: 1990 CPH-6-CNMI, table 9

Table 1.13 Place of Birth by Sex: 1990

Birthplace	Number			Percent		
	Total	Males	Females	Total	Males	Females
Total	43,345	22,802	20,543	100.0	100.0	100.0
Northern Marianas	16,752	8,541	8,211	38.6	37.5	40.0
Guam	1,122	546	576	2.6	2.4	2.8
Asia	20,610	11,222	9,388	47.5	49.2	45.7
Philippines	13,563	8,721	4,842	31.3	38.2	23.6
United States	1,271	783	488	2.9	3.4	2.4
Palau	1,407	666	741	3.2	2.9	3.6
Marshall Islands	103	44	59	0.2	0.2	0.3
Other Pac. Islanders	93		45			
Fed. States Micronesia	1,817	875	942	4.2	3.8	4.6
Kosrae	29	15	14	0.1	0.1	0.1
Pohnpei	542	257	285	1.3	1.1	1.4
Chuuk	969	444	525	2.2	1.9	2.6
Yap	273	158	115	0.6	0.7	0.6
Elsewhere	170	77	93	0.4	0.3	0.5

Source: 1990 CPH-6-CNMI, Table 9

Table 1.14 Age by Place of Birth: 1990

Age Group	Place of Birth							
	Total	CNMI	Guam	Phili- ppines	United States	Palau	FSM	All Others
All persons	43,345	16,752	1,122	13,563	1,271	1,407	1,817	7,413
Less than 5 years	4,139	3,515	245	48	110	58	63	100
5 to 9 years	3,275	2,395	259	97	160	49	143	172
10 to 14 years	2,901	2,104	168	101	91	115	153	169
15 to 19 years	2,773	1,613	133	164	51	148	233	431
20 to 24 years	5,624	1,384	92	1,408	62	218	304	2,156
25 to 29 years	6,140	1,157	54	2,898	95	201	272	1,463
30 to 34 years	5,878	1,133	51	2,949	125	185	183	1,252
35 to 44 years	7,442	1,688	66	3,880	301	221	214	1,072
45 to 54 years	3,168	748	23	1,601	183	108	129	376
55 to 59 years	771	294	11	269	43	29	31	94
60 to 64 years	458	240	7	85	21	24	34	47
65 years and over	776	481	13	63	29	51	58	81

Source: 1990 CPH-6-CNMI, Table 36

Table 1.15 Age by Ethnicity: 1990

Age Group	Total	Chamorro			Carolinian			Filipino
		Total	Single ethnic	Chamorro and other	Total	Single ethnic	Carolinian and other	
Total	43,345	14,194	12,555	1,639	2,987	2,348	639	14,160
Less than 5 yrs	4,139	2,502	1,995	507	407	269	138	476
5 to 9 yrs	3,275	2,077	1,730	347	400	273	127	239
10 to 14 yrs	2,901	1,876	1,597	279	395	285	110	155
15 to 19 yrs	2,773	1,392	1,224	168	363	272	91	179
20 to 24 yrs	5,624	1,222	1,138	84	284	239	45	1,399
25 to 29 yrs	6,140	979	921	58	252	221	31	2,884
30 to 34 yrs	5,878	993	952	41	206	184	22	2,933
35 to 39 yrs	4,330	838	797	41	192	169	23	2,232
40 to 44 yrs	3,112	648	619	29	133	116	17	1,651
45 to 49 yrs	1,921	362	333	29	95	82	13	1,056
50 to 54 yrs	1,247	341	328	13	78	72	6	537
55 to 59 yrs	771	273	261	12	59	53	6	268
60 to 64 yrs	458	226	218	8	44	42	2	84
65 to 69 yrs	349	185	175	10	41	37	4	41
70 to 74 yrs	190	116	107	9	17	15	2	12
75 yrs or more	237	164	160	4	17	19	2	14

Source: CPH-6-CNMI, table 38

Table 1.16 Ethnicity by Island: 1990

Ethnicity	Island				
	Total	Saipan	Rota	Tinian	North. Is.
Total	43,345	38,896	2,295	2,118	36
Single ethnic group	40,990	36,797	2,187	1,980	26
Carolinian	2,348	2,328	2	2	16
Chamorro	12,555	10,042	1,417	1,093	3
Marshallese	92	89	2	1	0
Palauan	1,620	1,579	29	9	3
Pohnpeian	522	504	16	2	0
Chuukese	1,063	1,042	17	1	3
Yapese	152	132	1	19	0
Kosraean	17	15	0	2	0
Other Pacific Islander	197	193	2	1	1
Asian	21,332	19,844	666	822	0
Filipino	14,160	12,812	602	746	0
Japanese	784	750	18	16	0
Korean	2,571	2,539	3	29	0
Chinese	2,881	2,847	21	13	0
Other Asian	936	896	22	18	0
White	875	826	24	25	0
Black	24	23	1	0	0
Other single ethnic	193	180	10	3	0
Multiple ethnic group	2,354	2,098	108	138	10
Carolinian & other	637	622	4	4	7
Chamorro & other	1,639	1,424	85	127	3
Not specified/reported	1	1	0	0	0

Source: 1990 CPH-6-CNMI, table 11

Table 1.17 Year of Migration into CNMI by Island: 1990

Year	Island				
	Total	Saipan	Rota	Tinian	North. Is.
All persons	43,345	38,896	2,295	2,118	36
Born in CNMI	16,752	14,378	1,278	1,066	30
Born elsewhere	26,593	24,518	1,017	1,052	6
1989 or 1990	12,955	11,817	548	589	1
1987 or 1988	6,438	6,065	192	180	1
1985 or 1986	2,591	2,393	102	96	0
1980 to 1984	2,491	2,296	89	105	1
1975 to 1979	996	929	45	21	1
1970 to 1974	604	565	25	13	1
1960 to 1969	274	250	13	10	1
Before 1960	244	203	3	38	0

Source: 1990 CPH-6-CNMI, Table 9

Chapter 2

Vital Statistics

Summary of Vital Statistics

The number of births in the CNMI steadily increased since 1980, except for 1983 and 1989. The increase was due mostly to increasing population. Although the number of births increased, birth rate declined from 1980 to 1983, fluctuated thereafter, but has not been as high as the 1980 rate of 36.5 births per thousand persons.

Over 95 percent of births took place in the general hospital in the Commonwealth; this has been the case since 1987.

Over 42 percent of babies born between 1987 and 1991 weighed between 3001 and 3500 grams. Over 86 percent weighed between 2501 and 4000 grams.

There was an interesting pattern of births in the CNMI between 1987 and 1992: generally, more births occurred during the second six months of the calendar year than the first six months. The month of September had the highest number of births, followed by August, December, October, November, respectively.

The highest proportion of births in a year were firstborn children, and the highest proportion of births were for mothers in age group 25-29. As expected, most mothers are in ages between 15 and 39 years old.

The number one cause of death in 1991 was accidents, followed closely by malignant and benign neoplasm and heart diseases.

The number of deaths was higher in age group less than 4, particularly in ages less than one year-old, and in age group 55 and over.

Generally, more males than females died each year: about 2 out of 3 of all deaths each year were males, at least for years 1990 to 1992.

The tables in this chapter present vital statistics in the Commonwealth in recent years.

Table 2.1 Births and Deaths: 1980 to 1992

Year	Population	Number of Registered			Rates		
		Births	Deaths	Infant Deaths	Births	Deaths	Infant Mortality
1992	52,900	1,511	157	15	28.6	3.0	9.9
1991	48,123	1,423	155	10	29.6	3.2	7.0
1990	43,345	1,186	143	11	27.4	3.3	9.3
1989	40,693	989	122	2	24.3	3.0	2.0
1988	38,036	1,007	124	18	26.5	3.3	17.9
1987	35,379	975	118	4	27.6	3.3	4.1
1986	32,722	804	121	8	24.6	3.7	10.0
1985	30,065	698	95	14	23.2	3.2	20.1
1984	27,408	631	114	15	23.0	4.2	23.8
1983	24,751	577	93	9	23.3	3.8	15.6
1982	22,094	637	103	16	28.8	4.7	25.1
1981	19,437	618	95	8	31.8	4.9	12.9
1980	16,780	612	101	16	36.5	6.0	26.1

Source: Commonwealth Health Center, 1992

Note: Populations are estimated from the 1980 and 1990 census. Birth and death rates are per 1000 persons.

Infant Mortality Rate is per 1000 live births.

Table 2.2 Live Births by Type of Health Facility: 1987 to 1992

Health Facility	Year						
	1992	1991	1990	1989	1988	1987	
Total	1,511	1,423	1,186	989	1,007	975	
General hospital	1,452	1,375	1,158	965	979	925	
Sub-hospital	1	...	...	...	7	12
Health center	48	40	19	21	16	30	
Home or other	10	8	9	3	5	8	

Source: Commonwealth Health Center

Table 2.3 Registered Live Births by Month: 1986 to 1993

Month	Year					
	1993	1992	1991	1990	1989	1988
Total	1,549	1,511	1,423	1,186	989	1,007
First six months	779	710	675	564	455	487
January	125	112	123	88	78	99
February	120	121	99	81	77	70
March	125	119	93	91	65	94
April	129	126	108	98	77	85
May	129	120	127	120	70	78
June	151	112	125	86	88	61
Second six months	770	801	748	622	534	520
July	108	136	108	72	93	76
August	138	125	112	110	94	96
September	141	129	135	127	74	103
October	139	136	125	110	87	85
November	142	120	133	105	96	73
December	102	155	135	98	90	87

Source: Commonwealth Health Center, 1991

Table 2.4 Registered Live Births by Age of Mother: 1986 to 1992

Age of Mother	Year						
	1992	1991	1990	1989	1988	1987	1986
Total	1,511	1,423	1,186	989	1,007	975	804
Less than 15 years	2	1	5	2	6	0	0
15 - 19 years	177	151	143	132	137	110	100
20 - 24 years	366	376	346	283	297	280	244
25 - 29 years	486	472	345	288	304	303	252
30 - 34 years	320	262	235	209	192	211	154
35 - 39 years	136	133	96	68	64	61	48
40 - 44 years	24	26	15	7	7	10	6
45 or more years	0	2	1	0	0	0	0

Source: Commonwealth Health Center, 1992

Table 2.5 Live Births by Order of Birth: 1987 to 1992

Order	Year					
	1992	1991	1990	1989	1988	1987
Total	1,511	1,423	1,186	989	1,007	975
First	549	492	391	307	326	309
Second	416	382	297	271	281	268
Third	262	235	242	188	166	157
Fourth	130	169	124	98	101	109
Fifth	89	63	69	64	65	55
Sixth	30	48	34	33	35	50
Seventh	18	19	18	9	21	14
Eighth	7	9	6	11	7	6
Ninth	9	4	2	4	5	5
Tenth & over	...	1	3	4	...	2
Unknown	1	1	...	...	...	...

Source: Commonwealth Health Center

Table 2.6 Live Births by Age of Mother and Live Birth Order: 1992

Order	Total	Age of Mother							
		14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Total	1,511	2	177	366	486	320	136	24	0
First	549	2	124	140	180	80	20	3	0
Second	416	0	39	122	126	88	38	3	0
Third	262	0	14	66	102	54	22	4	0
Fourth	130	0	0	26	35	45	21	3	0
Fifth	89	0	0	10	30	24	20	5	0
Sixth	30	0	0	1	6	15	6	2	0
Seventh	18	0	0	1	4	8	4	1	0
Eighth	7	0	0	0	2	1	2	2	0
Ninth	9	0	0	0	1	5	3	0	0
Tenth	0	0	0	0	0	0	0	0	0
Unknown	1	0	0	0	0	0	0	1	0

Source: Commonwealth Health Center, 1991

Table 2.7 Live Births by Legitimacy and Age of Mother: 1991 and 1992

Age Group	1992			1991		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
Total	1,511	773	738	1,423	708	715
Less than 15	2	0	2	1	0	1
15 - 19 years	177	17	160	151	9	142
20 - 24 years	366	145	221	376	142	234
25 - 29 years	486	307	179	472	279	193
30 - 34 years	320	198	122	262	170	92
35 - 39 years	136	87	49	133	91	42
40 - 44 years	24	19	5	26	16	10
45 to 49 years	0	0	0	2	1	1

Source: Commonwealth Health Center, 1992

Table 2.8 Live Births by Birth Weight: 1986 to 1992

Birth Weight	Year					
	1992	1991	1990	1989	1988	1987
Total	1,511	1,423	1,186	989	1,007	975
Under 501 grams	3	2	1	0	0	0
0501-1000 grams	7	2	0	0	2	2
1001-1500 grams	8	9	7	1	14	2
1501-2000 grams	20	21	17	11	17	14
2001-2500 grams	78	62	50	60	58	54
2501-3000 grams	353	363	271	218	227	239
3001-3500 grams	648	582	514	427	413	411
3501-4000 grams	315	309	250	198	211	198
4001-4500 grams	67	58	63	53	52	44
4501-5000 grams	10	12	12	17	8	10
Over 5000 grams	1	2	0	2	3	1
Not Stated	1	1	1	2	2	0

Source: Commonwealth Health Center, 1991

Table 2.9 Registered Live Births by Type of Attendant: 1987 to 1992

Type of Attendant	Year				
	1992	1991	1990	1989	1988
Total	1,511	1,423	1,186	989	1,007
Physician	569	429	415	403	503
Medex or nurse	17	11	18	165	155
Certified midwife	916	975	744	418	344
Other	9	8	9	3	5

Source: Commonwealth Health Center, 1991

Table 2.10 Registered Deaths by Age: 1986 to 1992

Age Group	Year						
	1992	1991	1990	1989	1988	1987	1986
Total	157	155	143	122	124	118	121
0 - 4 years	17	14	11	3	19	11	11
5 - 9 years	2	1	3	2	1	0	1
10 - 14 years	3	2	1	1	1	1	0
15 - 19 years	2	1	4	7	2	2	3
20 - 24 years	4	9	11	6	6	5	5
25 - 29 years	8	7	10	6	5	8	9
30 - 34 years	13	11	7	6	6	6	6
35 - 39 years	8	12	4	5	10	8	4
40 - 44 years	9	14	4	3	10	5	9
45 - 49 years	12	14	11	5	10	4	6
50 - 54 years	9	10	10	6	5	11	7
55 - 59 years	9	6	15	15	9	9	7
60 - 64 years	14	14	9	10	7	10	13
65 - 69 years	11	13	10	10	5	13	14
70 - 74 years	5	7	11	10	15	6	9
75 - 79 years	16	8	10	11	7	13	6
80 - 84 years	9	9	6	6	5	3	2
85 years and over	6	3	6	10	1	3	9

Source: Commonwealth Health Center, 1992

Table 2.11 Registered Deaths by Age and Sex: 1990 to 1992

Age Group	1992		1991		1990	
	Males	Females	Males	Females	Males	Females
Total	107	50	106	49	95	48
0 - 4 years	8	9	10	4	7	4
Less than 1 year	7	8	7	3	7	4
5 - 9 years	2	0	1	0	2	1
10 - 14 years	2	1	2	0	0	1
15 - 19 years	1	1	1	0	2	2
20 - 24 years	3	1	4	5	9	2
25 - 29 years	8	0	6	1	8	2
30 - 34 years	7	6	9	2	7	0
35 - 39 years	8	0	8	4	1	3
40 - 44 years	6	3	11	3	3	1
45 - 49 years	12	0	10	4	11	0
50 - 54 years	8	1	9	1	4	6
55 - 59 years	7	2	5	1	10	5
60 - 64 years	7	7	11	3	6	3
65 - 69 years	8	3	5	8	6	4
70 - 74 years	5	0	6	1	9	2
75 - 79 years	9	7	4	4	6	4
80 - 84 years	5	4	3	6	3	3
85 years and over	1	5	1	2	1	5

Source: Commonwealth Health Center, 1992

Table 2.12 Registered Deaths by Month: 1986 to 1992

Month	Year						
	1992	1991	1990	1989	1988	1987	1986
Total	157	155	143	122	119	118	121
First six months	76	85	70	58	50	64	63
January	11	8	11	8	7	8	11
February	17	17	15	9	9	15	4
March	15	18	14	11	12	15	18
April	13	9	12	10	8	10	10
May	12	11	6	11	8	8	8
June	8	22	12	9	6	8	12
Second six months	81	70	73	64	69	54	58
July	21	6	13	13	12	11	11
August	13	10	10	14	13	7	10
September	10	11	13	10	12	6	5
October	12	17	10	11	12	16	12
November	10	15	11	9	11	3	11
December	15	11	16	7	9	11	9

Source: Commonwealth Health Center, 1992

Table 2.13 Registered Infant Deaths by Month: 1986 to 1992

Month	Year						
	1992	1991	1990	1989	1988	1987	1986
Total	15	10	11	2	18	4	8
First six months	9	5	6	1	10	1	3
January	1	1	0	1	2	0	1
February	2	1	2	0	0	1	0
March	3	0	1	0	3	0	1
April	1	0	3	0	2	0	0
May	0	2	0	0	2	0	1
June	2	1	0	0	1	0	0
Second six months	6	5	5	1	8	3	5
July	2	0	0	0	1	1	0
August	2	1	0	0	1	1	1
September	0	2	1	0	2	1	0
October	0	0	1	0	0	0	2
November	0	2	3	0	3	0	1
December	2	0	0	1	1	0	1

Source: Commonwealth Health Center, 1992

Note: Infant deaths are deaths under 1 year, exclusive of fetal deaths.

Table 2.14 Leading Causes of Death in 1991

Cause of Death	Number
Total	155
Heart disease	18
Malignant and benign neoplasms	22
Accidents of all types	27
Cerebrovascular disease	15
Prematurity	5
Pneumonia and influenza	10
Homicide	1
Chronic obstructive pulmonary	24
Nephritis, nephrosis	2
Diabetes mellitus	12
Suicide	6
Essential hypertension	8
Early infancy	5

Source: Commonwealth Health Center, 1991

Table 2.15 Type and Number of Treatments at CHC Outpatient Clinic: 1986 to 1989

Type of Treatment	Year			
	1989	1988	1987	1986
Total	32,182	27,760	33,687	25,673
Respiratory	2,699	3,219	5,129	3,633
Skin and subcutaneous	1,233	1,164	1,793	2,223
Intestinal tract	0	0	4	0
Ear and mastoid	1,799	946	1,266	1,744
Digestive system	937	986	1,649	1,054
Eye	645	756	846	767
Injuries	363	284	905	636
Genito-urinary system	1,266	823	828	1,084
Circulatory system	1,263	948	648	1,117
Diabetes mellitus	1,089	912	1,290	596
Intestinal parasitism	0	0	0	100
Asthma & other allergic	1,257	905	1,001	410
Gonococcal infections	2	16	57	49
Other communicable	34	190	76	32
Fungus infections	0	0	2	1
Tuberculosis	0	10	58	21
Leprosy	0	0	0	0
Malignant neoplasms	0	0	0	58
All other	19,595	16,601	18,135	12,148

Source: Commonwealth Health Center, 1989

Chapter 3

Education

Summary of Education

The number of students enrolled in schools in the CNMI has steadily increased: total enrollment in School Year (SY) 93-94 was almost twice the enrollment in SY1981-82. School-age population increased because of (1) natural growth in population, (2) in-migration, (3) and programming changes in the CNMI Public School System. In school year 1990-91 all public elementary schools integrated grade K (kindergarten); prior to this school year only Tanapag, San Vicente, Rota and Tinian elementaries had grade K. Also, during school year 90-91, grade 7 from all Saipan public elementary schools moved to Hopwood Jr. High and grade 9 moved from Hopwood to Marianas High School. In addition, Headstart program increased enrollment in school year 1990-91 due to increased funding.

The increased student population is more evident in the private schools. Since SY 1981-82, six new private schools opened their doors and the rate of increase in total enrollment in private schools was more than the rate of increase in public schools in the 1980s.

The lower grade levels continue to account for the largest proportion of total student enrollment. Transfers and drop-outs tend to increase, as students move into higher grade levels. Again, the larger proportion of the lower grade levels is evidenced by the number of new private schools serving this portion of the student population.

As expected, the number of teachers and teacher aides have increased to meet the rising demand for teaching and classroom assistance. Also, the number of school teachers with advance degrees increased.

The student population, like the CNMI total population, is multi-ethnic. There are more single ethnic groups now and the number of students in each ethnic group is increasing.

Tables in this chapter present details on student population in the CNMI in recent years.

Table 3.1 Beginning of School Year Student Enrollment by School and by School Year
SY 1987-88 to SY 1993-94

School	School Year						
	1993-94	1992-93	1991-92	1990-91	1989-90	1988-89	1987-88
Total Enrollment	10,239	9,750	9,015	8,117	7,339	7,003	6,681
Public Schools	8,208	7,731	7,086	6,632	6,050	5,831	5,658
Headstart	498	423	449	479	360	360	360
Elementary Schools							
G.T. Camacho	287	238	226	173	183	204	179
Tanapag	299	271	234	229	286	261	210
Garapan	853	766	721	645	631	627	611
San Vicente	756	743	607	509	530	526	539
Oleai	454	425	382	313	337	362	329
W.S. Reyes	788	724	608	640	643	650	645
San Antonio	287	250	200	183	173	189	179
Koberville	332	363	473	312	276	245	169
Tinian	298	317	330	369	327	282	258
Rota Elem	312	314	324	406	375	324	290
Secondary Schools							
Hopwood Jr. High	1,046	945	912	838	737	730	753
Tinian Jr. High	98	97	79				
Rota Jr. High	116	92	73				
Marianas High	1,517	1523	1,241	1,326	953	836	917
Tinian High	124	108	108	96	95	86	79
Rota High	143	132	119	114	144	149	140
Private schools	2,031	2,019	1,929	1,485	1,289	1,172	1,023
Mt. Carmel	550	599	652	500	548	480	418
Saipan Community	226	224	203	184	171	177	175
Grace Christian	569	533	533	295	207	134	76
Marianas Baptist	73	56	61	41	20	31	38
Calvary Baptist	110	110	62	70	44	51	22
Sister Remedios Pre Sch	201	212	202	216	214	210	220
7th Day Adventist	86	83	89	85	66	75	64
San Fran De Borja, Rota (1)	104	107	72	53	-	-	-
Smith Pre School, Rota (2)	71	68	28	17	...	...	...
Whispering Palms	28	27	27	24	19	14	10
Northern Marianas Academy	13	-	-	...	...	...	...

Source: Public School System

Note: (1) No data available for San Francisco De Borja prior to SY 90-91

(2) Smith Pre School opened in SY 1990-91; hence, no data for prior school years

Table 3.2 Student Enrollment by Grade Level: SY 1990-91 to SY 93-94

Grade	School Year			
	1993-94	1992-93	1991-92	1990-91
Total	10,239	9,750	9,015	8,387
Headstart	637	423	449	345
Grade K	971	1,143	996	855
Grade 1	1,004	877	853	752
Grade 2	878	849	780	744
Grade 3	845	766	778	705
Grade 4	788	782	728	699
Grade 5	756	756	707	667
Grade 6	733	700	663	581
Grade 7	804	844	713	640
Grade 8	748	557	571	586
Grade 9	590	595	485	527
Grade 10	537	567	465	485
Grade 11	514	491	472	434
Grade 12	434	400	355	367
Public School System				
Total	8,208	7,731	7,086	6,449
Headstart	498	423	449	345
Grade K	646	679	548	406
Grade 1	781	688	642	554
Grade 2	705	641	584	569
Grade 3	664	602	639	535
Grade 4	633	634	587	534
Grade 5	630	602	561	522
Grade 6	607	565	544	455
Grade 7	648	703	582	530
Grade 8	612	431	482	468
Grade 9	495	512	388	432
Grade 10	468	487	378	390
Grade 11	442	427	392	383
Grade 12	379	337	310	326
Private Schools				
Total	2,031	2,019	1,929	1,938
Headstart	139			
Grade K	325	464	448	449
Grade 1	223	189	211	198
Grade 2	173	208	196	175
Grade 3	181	164	139	170
Grade 4	155	148	141	165
Grade 5	126	154	146	145
Grade 6	126	135	119	126
Grade 7	156	141	131	110
Grade 8	136	126	89	118
Grade 9	95	83	97	95
Grade 10	69	80	87	95
Grade 11	72	64	80	51
Grade 12	55	63	45	41

Source: Public School System

Note: Private Schools Grade K figures include pre-school pupils in years prior to SY 1993-94

Table 3.3 PSS Headstart Pupils and Staff by Center: SY 1990-91 to SY 1993-94

Center	Number of Pupils				Number of Staff			
	1993-94	1992-93	1991-92	1990-91	1993-94	1992-93	1991-92	1990-91
Total	498	423	449	345	51	51	48	36
Saipan	350	316	335	268	40	40	37	29
San Roque	11	19	13	19	2	2	3	2
Tanapag	26	37	35	21	4	4	2	2
Garapan	67	63	61	59	8	8	6	6
Oleai	32	37	50	36	5	5	5	4
San Vicente	103	52	61	48	6	6	6	4
Susupe	10	14	13	9	2	2	2	2
Chalan Kanoa	37	44	57	32	5	5	6	4
San Antonio	47	33	37	26	5	5	5	3
CK- Peer Program	7	10	6	9	2	2	1	1
SA- Peer Program	10	7	2	9	1	1	1	1
Tinian	76	47	56	43	5	5	5	4
Rota	72	60	58	34	6	6	6	3

Source: Public School System

Table 3.4 Number of Graduates: Public Secondary Schools

School Year	Number of Graduates		Percent Change	
	9th	12th	9th	12th
1981-82	321	223	...	...
1982-83	451	265	40.5	18.8
1983-84	350	237	-22.4	10.6
1984-85	356	239	1.7	0.8
1985-86	330	239	-7.3	0.0
1986-87	463	274	40.3	14.6
1987-88	333	288	-28.1	5.1
1988-89	293	204	-12.0	-29.2
1989-90	279	250	-4.8	22.5
1990-91	311	218	11.5	-12.8
1991-92	256	223	-17.7	2.3
1992-93	...	296	...	32.7

Source: PSS Annual Report

Note: Beginning School Year 90-91, Hopwood Jr. High had grade 7th and 8th
All elementary Schools include 1-6th grade

Table 3.5 Number of Teachers and Teacher Aides by School and School Year: SY 1991-92 to SY 1993-94

School	Teachers			Teacher Aides		
	1993-94	1992-93	1991-92	1993-94	1992-93	1991-92
All Teachers	451	538	516	85	165	95
Public School Teachers	335	412	405	77	157	86
Elementary School Teachers	183	239	210	64	134	70
G.T. Camacho	9	12	9	2	4	2
Tanapag	14	18	23	3	9	4
Garapan	33	40	39	6	14	3
San Vicente	24	27	27	6	19	16
Oleai	17	21	16	6	16	9
W.S. Reyes	31	38	29	8	13	3
San Antonio	14	14	11	5	7	5
Koblerville	17	23	21	2	9	2
Tinian Elem	12	18	22	10	16	11
Rota Elem.	12	28	13	16	27	15
High School Teachers	152	173	195	13	23	16
Hopwood Junior High	47	53	54	10	14	11
Tinian Jr. High	6	0	12	1	0	0
Rota Jr. High	7	0	6	0	0	2
Marianas High	73	85	91	1	5	0
Tinian High	9	13	14	0	1	0
Rota High	10	22	18	1	3	3
Private School Teachers	116	126	111	8	8	9
Saipan	105	120	106	6	6	8
Sister Remedios Pre Sch	11	11	11	2	4	4
Mt. Carmel School	37	44	39	0	0	0
Grace Christian, Saipan	26	25	24	0	0	0
Marianas Baptist Academy	3	3	6	0	0	0
Seventh Day Adventist	5	5	5	1	1	1
Saipan Community	10	12	10	1	1	3
Calvary Christian	7	12	5	0	0	0
Whispering Palms	2	2	4	0	0	0
Smith Pre School	4	6	2	2	0	0
Rota						
San Francisco De Borja	8	6	5	2	2	1
Tinian						
Grace Christian Academy	3	...	...	...	...	...

Source: Public School System

Table 3.6 Students Enrolled in School by Ethnicity by School Year: SY 1987-88 to 1991-92

Ethnicity	School Year			
	1991-92	1990-91	1989-90	1987-88
All Ethnicities	8,485	7,194	5,516	6,431
Chamorro	4,748	4,007	3,272	3,884
Carolinian	877	813	820	818
American	248	196	63	107
Palauan	492	458	385	307
Pohnpeian	178	152	113	122
Yapese	54	57	34	41
Chuukese	261	266	210	135
Marshallese	38	39	31	30
Filipino	679	430	254	375
Korean	406	365	103	199
Japanese	75	68	9	56
Other	429	342	222	357

Source: Public School System

Note: Total in this table differ from other tables: Headstart and Special Education ethnic breakdown were not included and the tabulations by ethnicity were done at different time during the school year.

Table 3.7 Teacher-Student Ratio by School Level: 1986-87 and 1990-91

School and Level	SY 1990-91			SY 1986-87		
	Total	Public	Private	Total	Public	Private
Total	15	15	16	19	18	20
Elementary (1-7)	19	17	21	18	19	17
Junior High (8-9)	14	14	0	16	17	16
High School (10-12)	13	15	11	22	18	26

Source: Public School System

Table 3.8 Educational Background of Teachers: SY 1982-83 to 1988-1989

Educational Attainment	School Year				
	1991-92	1990-91	1989-90	1988-89	1987-88
Total	612	454	397	486	481
Less than Associate of Arts	176	158	123	150	142
Associate of Arts	83	81	85	93	94
Associate of Arts Plus	0	0	0	0	26
Bachelor of Arts	274	164	152	99	104
Bachelor of Arts Plus	0	0	0	96	76
Master's Degree or higher	79	51	37	48	39

Source: Public School System, 1991 Annual Report

Table 3.9 Northern Marianas College Enrollment: SY 1982-83 to SY 1993-94

School Year	Average	Fall	Spring	Summer
1993-94	...	1,332	...	...
1992-93	1,017	1,128	1,205	718
1991-92	927	976	1,112	692
1990-91	737	727	955	529
1989-90	485	446	588	420
1988-89	360	370	419	291
1987-88	379	390	465	281
1986-87	447	469	546	325
1985-86	411	358	473	403
1984-85	400	438	391	370
1983-84	226	152	247	280
1982-83	...	0	0	73

Source: Northern Marianas College

Table 3.10 Graduates from Northern Marianas College: 1990 to 1992

Degree	Total	1992	1991	1990
Total	106	57	39	24
Associate of Arts-Liberal Arts	59	23	22	14
Associate of Arts-Education	28	10	12	6
Associate of Arts-Business/Public Admin	14	5	5	4
Associate of Applied Science-Business Management	5	5	0	0
Associate of Applied Science-Data Processing	7	7	0	0
Associate of Applied Science-Office Technology	2	2	0	0
Associate of Applied Science-Accounting	3	3	0	0
Associate of Applied Science-Elect. Install. & Maint	1	1	0	0
Associate of Applied Science-Tourism Industry Mgmt	1	1	0	0
Associate of Applied Science-Nursing	2	0	2	0

Source: Northern Mariana Islands College

Table 3.11 Graduates from Northern Marianas College: 1984 to 1988

Degree	Total	1988	1987	1986	1985	1984
Total	105	23	16	27	5	34
Elementary Education	47	6	2	8	2	29
Liberal Arts	44	14	11	16	3	0
Criminal Justice	6	0	1	0	0	5
Business/Public Admin	8	3	2	3	0	0

Source: Northern Mariana Islands College

Table 3.12 Educational Attainment: 1973 and 1980

Educational Attainment	Number		Percent Change 1973 to	Percent	
	1980	1973	1980	1980	1973
Total 25 yrs & over	6,760	4,764	41.9	100.0	100.0
No school	345	218	58.3	5.1	4.6
Elementary: 1 to 4 yrs	668	775	-13.8	9.9	16.3
5 to 6 yrs	1,226	1,306	-6.1	18.1	27.4
7 years	317	275	15.3	4.7	5.8
8 years	330	276	19.6	4.9	5.8
High school: 1 to 3 yrs	851	529	60.9	12.6	11.1
4 years	1,543	600	157.2	22.8	12.6
College: 1 to 3 yrs	716	318	125.2	10.6	6.7
4 + yrs	764	467	63.6	11.3	9.8

Source: PC80-1-C/D57A, Table 39 and TTPI 1973 Census, Table 16

Table 3.13 Educational Attainment: 1980 and 1990

Educational Attainment	Number		Percent Change 1980 to	Percent	
	1990	1980	1990	1990	1980
Total 25 yrs & over	24,633	6,760	264.4	100.0	100.0
No school	291	345	-15.7	1.2	5.1
Elementary: 1 to 4 yrs	799	668	19.6	3.2	9.9
5 to 6 yrs	1,969	1,226	60.6	8.0	18.1
7 years	434	317	36.9	1.8	4.7
8 years	792	330	140.0	3.2	4.9
High school: 1 to 3 yrs	2,922	851	243.4	11.9	12.6
4 yrs., no diploma	1,094	1,543	-29.1	4.4	22.8
High school graduate, includ. equivalency	8,659	...	...	35.2	...
Some college, no degree	2,627	...	...	10.7	...
College: 1 to 3 yrs	1,191	716	66.3	4.8	10.6
4 + yrs	3,855	764	404.6	15.6	11.3

Source: PC80-1-C/D57A, Table 39 and 1990 CPH-6-CNMI, Table 13

Table 3.14 Female Educational Attainment: 1980 and 1990

Educational Attainment	Number		Percent Change 1980 to 1990	Percent	
	1990	1980		1990	1980
Females 25 yrs & over	10,188	2,927	248.1	100.0	100.0
No school	156	191	-18.3	1.5	6.5
Elementary: 1 to 4 yrs	410	390	5.1	4.0	13.3
5 to 6 yrs	749	586	27.8	7.4	20.0
7 years	169	145	16.6	1.7	5.0
8 years	376	152	147.4	3.7	5.2
High school: 1 to 3 yrs	1,407	344	309.0	13.8	11.8
4 yrs no diploma	571	624	-8.5	5.6	21.3
High school graduate, includ. equivalency	3,333	...	...	32.7	0.0
Some college, no degree	908	...	...	8.9	0.0
College: 1 to 3 yrs	530	275	92.7	5.2	9.4
4 + yrs	1,579	220	617.7	15.5	7.5

Source: PC80-1-C/D57A, Table 39 and 1990 CPH-6-CNMI, Table 13

Table 3.15 Male Educational Attainment: 1980 and 1990

Educational Attainment	Number		Percent Change 1980 to 1990	Percent	
	1990	1980		1990	1980
Males 25 yrs & over	14,445	3,833	276.9	100.0	100.0
No school	135	154	-12.3	0.9	4.0
Elementary: 1 to 4 yrs	389	278	39.9	2.7	7.3
5 to 6 yrs	1,220	640	90.6	8.4	16.7
7 years	265	172	54.1	1.8	4.5
8 years	416	178	133.7	2.9	4.6
High school: 1 to 3 yrs	1,515	507	198.8	10.5	13.2
4 yrs no diploma	523	919	-43.1	3.6	24.0
High school graduate, includ. equivalency	5,326	...	...	0.0	0.0
Some college, no degree	1,719	...	...	36.9	0.0
College: 1 to 3 yrs	661	441	49.9	11.9	0.0
4 + yrs	2,276	544	318.4	4.6	11.5
				15.8	14.2

Source: PC80-1-C/D57A, Table 39 and 1990 CPH-6-CNMI, Table 13

Chapter 4

Labor Force and Employment

Labor Force and Employment Summary

Between 1980 and 1990, the CNMI labor force went through a transformation: in 1990, about 82 percent of all persons 16 years and older participated in the labor force, compared to about 64 percent in 1980. Of the 26,589 persons in labor force in 1990, over 97 percent were employed, only 2.3 percent were unemployed.

In 1990, Filipino was the largest single ethnic group in the CNMI labor force: almost twice the number of Chamorros, the second largest single ethnic group in the labor force. This is a dramatic shift from 1980 when Chamorro was the largest ethnic group in the labor force and Filipino was about one third the size of Chamorro.

Employment in the private sector in the CNMI grew tremendously between 1980 and 1990. In 1990, almost 85 percent of all workers worked for private companies, over 12 percent worked for the CNMI Government, about one percent worked for the federal government, and 1.5 percent were self-employed. This was a major shift from 1980 when about 56 percent of the work force worked for private companies, over 37 percent worked in local government, and about 5 percent worked for the federal government.

In absolute numbers, workers increased in all industries from 1980 to 1990. However, workers in some industries increased more than in others: workers in the manufacturing industry increased the most, followed by workers in construction and workers in personal entertainment and recreational services.

Males outnumbered females in the labor force in 1990, as was true in 1980. Also, a greater proportion of males than females, 16 years and older, participated in the labor force in both census years.

Although the number of females "with own children" and in the labor force in 1990 was more than that of 1980, proportionally, "women with own children" and in the labor force in 1990 was lower than in 1980. This was largely due to a large number of young women who entered the CNMI to work between 1985 and 1990.

As expected, a higher level of education is associated with higher participation in the labor force. In 1990, 68 percent of persons with 8 years of education were in the labor force, while 87 percent of persons with high school education (12 years) and 90 percent of persons with bachelor degrees were in the labor force.

The vast majority (94.6 percent) of workers worked full-time, 35 or more hours a week.

Disaggregating the CNMI unemployment by ethnic group revealed that in 1990, Filipinos had the lowest unemployment rate at less than one percent (0.8), Carolinians had the highest unemployment rate at 10.6 percent and the Chamorros unemployment rate was less than 6 percent.

There was a distinct pattern in male-female composition by industry in 1990: males were concentrated in construction, while females were concentrated in manufacturing, personal entertainment & recreational services.

In 1990, the majority of CNMI workers were in Saipan where most business establishments were (are still) located.

Workers of Chamorro and Carolinian ethnic groups were concentrated in public administration and professional and related services and retail trade industries. Filipinos were dominant in construction and personal entertainment & recreational services industries; Chinese were dominant in the manufacturing industry.

The number of work permits issued to non-residents increased from 1989 to 1991. The number declined in 1992, but remained above the 1989 level. Filipinos, by far, constitute the largest number of permit holders from a single country; Chinese steadily increased to become the second largest number of permit holders; Koreans declined while Japanese and Thais fluctuated in numbers but these constituted a small number of the total permits issued. In recent years, permit renewals constituted the majority of all permits issued. Transfers and extension-type permits are relatively small portions of the total permits issued annually.

By industry, large number of work permits were issued to workers in construction, manufacturing, and services industries. By occupation, most of the work permits were issued to workers in structural work, benchwork, services, professional and technical occupations.

Table 4.1 Labor Force Participation by Island: 1980 and 1990

Labor Force	1980	1990				
		Total	Saipan	Rota	Tinian	N. Is.
Persons 16+years	9,599	32,522	29,543	1,545	1,413	21
Labor force	6,102	26,589	24,351	1,134	1,094	10
Percent	63.6	81.8	82.4	73.4	77.4	47.6
U.S. Armed Forces	13	8	8	0	0	0
Civilian labor force	6,089	26,581	24,343	1,134	1,094	10
Employed	5,941	25,965	23,807	1,108	1,047	3
Unemployed	148	616	536	26	47	7
Percent	2.4	2.3	2.2	2.3	4.3	70.0
Not in labor force	3,497	5,933	5,192	411	319	11

Source: PC(1)-B58, Table 12, and PC80-1-C/D, Table 50, STF3 and 1990 CPH-6-CNMI, Table 15

Table 4.2 Male Labor Force Participation by Island: 1980 and 1990

Labor Force	1980	1990				
		Total	Saipan	Rota	Tinian	N. Is.
Males 16+years	5,197	17,266	15,506	899	851	10
Labor force	4,008	15,096	13,613	742	737	4
Percent	77.1	87.4	87.8	82.5	86.6	40.0
U.S. Armed Forces	13	6	6	0	0	0
Civilian labor force	3,995	15,090	13,607	742	737	4
Employed	3,902	14,782	13,341	727	713	1
Unemployed	93	308	266	15	24	3
Percent	2.3	2.1	2.0	2.0	3.3	75.0
Not in labor force	1,189	2,170	1,893	157	114	6

Source: PC(1)-B58, Table 12, and PC80-1-C/D, Table 50, STF3, and 1990 CPH-6-CNMI, Table 15

Table 4.3 Female Labor Force Participation by Island: 1980 and 1990

Labor Force	1980	1990				
		Total	Saipan	Rota	Tinian	North. Is.
Females 16+years	4,402	15,256	14,037	646	562	11
Labor force	2,094	11,493	10,738	392	357	6
Percent	47.6	75.3	76.5	60.7	63.5	54.5
U.S. Armed Forces	0	2	2	0	0	0
Civilian labor force	2,094	11,491	10,736	392	357	6
Employed	2,039	11,183	10,466	381	334	2
Unemployed	55	308	270	11	23	4
Percent	2.6	2.6	2.5	2.8	6.4	66.6
Not in labor force	2,308	3,763	3,299	254	205	5

Source: PC(1)-B58, Table 12, and PC80-1-C/D, Table 50, STF3, and 1990 CPH-6-CNMI, Table 15

Table 4.4 Females with Own Children by Labor Force: 1980 and 1990

Labor Force	Number		Percent Change 1980 to	Percent	
	1990	1980	1990	1990	1980
Females, 16 + yrs	15,256	4,402	246.6	100.0	100.0
With own child < 18 yrs	3,914	2,782	40.7	25.7	63.2
In the labor force	2,349	1,309	79.4	15.4	29.7
Percent	60.0	47.1	...	...	...
With own child < 6 yrs	2,414	1,830	31.9	15.8	41.6
In the labor force	1,452	873	66.3	9.5	19.8
Percent	60.1	47.7	...	...	...
With own child 6 yrs to 17 yrs. only	1,500	952	57.6	9.8	21.6
In the labor force	897	436	105.7	5.9	9.9
Percent	59.8	45.8	...	...	...

Source: Summary Tape File 3A, Table 57, and 1990 CPH-6-CNMI, Table 15

Table 4.5 Persons in Labor Force by Years of Schooling Completed: 1990

Years of Schooling	Percent in the Labor Force		
	Total	Males	Females
Total in labor force (16 yrs & over)	81.8	87.4	75.3
Elementary: 0 to 7yrs	63.0	75.3	48.2
8 years	68.4	75.5	61.7
High school: 1 year	77.5	76.5	78.1
2 years	68.5	77.4	57.2
3 years	67.7	73.1	63.1
4 yrs. no diploma	84.0	84.2	83.9
High school graduate	87.8	92.4	82.2
College: Some college, no degree	87.3	92.0	80.2
Associate degree, Occupational program	87.5	91.4	82.3
Associate degree, Academic program	86.4	92.9	80.3
Bachelor's degree	90.8	94.9	85.6
Graduate or professional degree	94.8	96.2	92.2

Source: 1990 CPH-6-CNMI, Table 67

Table 4.6 Ethnicity by Labor Force Participation: 1990

Labor Force Participation	All Persons	Chamorro			Carolinian			Fili- pino
		Total	Single Response	Multiple Response	Total	Single Response	Multiple Response	
Total 16 +yrs	32,522	7,429	6,961	468	1,723	1,473	250	13,261
In the labor force	26,589	4,593	4,316	277	954	805	149	12,476
Percent	81.8	61.8	62.0	59.2	55.4	54.7	59.6	94.1
Civilian labor force	26,581	4,588	4,312	276	954	805	149	12,475
Employed	25,965	4,317	4,060	257	852	717	135	12,379
Work 35 +hrs	24,573	3,909	3,681	228	757	630	127	11,955
Work part-time	975	318	296	22	78	70	8	291
Percent	3.8	7.5	7.4	8.8	9.3	10.0	5.9	2.4
Unemployed	616	271	252	19	101	88	13	96
Percent	2.3	5.9	5.8	6.9	10.6	10.9	8.7	0.8
Not in labor force	5,933	2,836	2,645	191	769	668	101	785

Source: 1990 CPH-6-CNM, Table 73

Table 4.7 Ethnicity by Labor Force Participation: 1980

Labor Force Participation	All Persons	Chamorro			Carolinian			Fili- pino
		Total	Single Response	Multiple Response	Total	Single Response	Multiple Response	
Total 16 +yrs	9,599	5,111	4,964	147	1,308	1,210	98	1,467
In the labor force	6,102	2,972	2,886	86	656	602	54	1,322
Percent	63.6	58.1	58.1	58.5	50.2	49.8	55.1	90.1
Civilian labor force	6,089	2,971	2,885	86	656	602	54	1,319
Employed	5,941	2,881	2,797	84	634	580	54	1,311
Work 35 +hrs	5,448	2,590	2,517	73	575	523	52	1,270
Work part-time	335	195	187	8	27	26	1	33
Percent	5.8	7.0	6.9	9.9	4.5	4.7	1.9	2.5
Unemployed	148	90	88	2	22	22	0	8
Percent	2.4	3.0	3.1	2.3	3.4	3.7	0.0	0.6
Not in labor force	3,497	2,139	2,078	61	652	608	44	145

Source: PC80-1-C/D57A, Table 38

Table 4.8 Class of Worker: 1980 and 1990

Class of Worker	Number		Percent Change 1980 to 1990	Percent	
	1990	1980		1990	1980
Total 16 yrs & over	25,965	5,941	337.0	100.0	100.0
Private wage and salary	22,027	3,308	565.9	84.8	55.7
Federal government	260	275	-5.5	1.0	4.6
Local government	3,250	2,225	46.1	12.5	37.5
Self-employed	382	124	208.1	1.5	2.1
Unpaid family worker	46	3	1433.3	0.2	0.1
Subsistence	0	6	...	0.0	0.1

Source: Summary Tape File 3A, Table 67, and 1990 CPH-6-CNMI, Table 16

Table 4.9 Workers by Industry: 1970 to 1990

Industry	Number			Percent		
	1990	1980	1970	1990	1980	1970
Employed 16 yrs and over	25,965	5,941	2,149	100.0	100.0	100.0
Agriculture, fishing, and mining	700	126	142	2.7	2.1	6.6
Construction	5,767	1,000	275	22.2	16.8	12.8
Manufacturing	5,688	110	34	21.9	1.9	1.6
Nondurable goods	5,514	79	24	21.2	1.3	1.1
Durable goods	174	31	10	0.7	0.5	0.5
Transportation	1,178	352	150	4.5	5.9	7.0
Communications	457	165	80	1.8	2.8	3.7
Wholesale trade	365	101	14	1.4	1.7	0.7
Retail trade	3,090	818	148	11.9	13.8	6.9
Finance, insurance & real estate	518	163	44	2.0	2.7	2.0
Business and repair services	837	181	43	3.2	3.0	2.0
Personal entertainment & recreation	3,897	760	142	15.0	12.8	6.6
Professional and related services	2,059	895	423	7.9	15.1	19.7
Health	510	234	120	2.0	3.9	5.6
Education	1,033	491	224	4.0	8.3	10.4
Other professional	516	170	79	2.0	2.9	3.7
Public administration	1,409	1,264	654	5.4	21.3	30.4
Subsistence	0	6	0	0.0	0.1	0.0

Source: PC80-1-C/D57A, Table 23, and 1990 CPH-6-CNMI, Table 69

Table 4.10 Male Workers by Industry: 1970 to 1990

Industry	Number			Percent		
	1990	1980	1970	1990	1980	1970
Employed males 16 yrs and over	14,782	3,902	1,579	100.0	100.0	100.0
Agriculture, fishing, and mining	677	119	117	4.6	3.0	7.4
Construction	5,556	972	265	37.6	24.9	16.8
Manufacturing	1,341	82	26	9.1	2.1	1.6
Nondurable goods	1,206	54	16	8.2	1.4	1.0
Durable goods	135	28	10	0.9	0.7	0.6
Transportation	898	290	132	6.1	7.4	8.4
Communications	362	128	73	2.4	3.3	4.6
Wholesale trade	280	78	11	1.9	2.0	0.7
Retail trade	1,340	353	88	9.1	9.0	5.6
Finance, insurance & real estate	273	67	19	1.8	1.7	1.2
Business and repair services	648	153	39	4.4	3.9	2.5
Personal entertainment & recreation	1,539	336	54	10.4	8.6	3.4
Professional and related services	902	412	237	6.1	10.6	15.0
Health	195	104	63	1.3	2.7	4.0
Education	429	222	116	2.9	5.7	7.3
Other professional	278	86	58	1.9	2.2	3.7
Public administration	966	907	518	6.5	23.2	32.8
Subsistence	0	5	0	0.0	0.1	0.0

Source: PC80-1-C/D57A, Table 23, and 1990 CPH-6-CNMI, Table 69

Table 4.11 Female Workers by Industry: 1970 to 1990

Industry	Number			Percent		
	1990	1980	1970	1990	1980	1970
Employed Females 16 yrs and over	11,183	2,039	570	100.0	100.0	100.0
Agriculture, fishing, and mining	23	7	25	0.2	0.3	4.4
Construction	211	28	10	1.9	1.4	1.8
Manufacturing	4,347	28	8	38.9	1.4	1.4
Nondurable goods	4,308	25	8	38.5	1.2	1.4
Durable goods	39	3	0	0.3	0.1	0.0
Transportation	280	62	18	2.5	3.0	3.2
Communications	95	37	7	0.8	1.8	1.2
Wholesale trade	85	23	3	0.8	1.1	0.5
Retail trade	1,750	465	60	15.6	22.8	10.5
Finance, insurance & real estate	245	96	25	2.2	4.7	4.4
Business and repair services	189	28	4	1.7	1.4	0.7
Personal entertainment & recreation	2,358	424	88	21.1	20.8	15.4
Professional and related services	1,157	483	186	10.3	23.7	32.6
Health	315	130	57	2.8	6.4	10.0
Education	604	269	108	5.4	13.2	18.9
Other professional	238	84	21	2.1	4.1	3.7
Public administration	443	357	136	4.0	17.5	23.9
Subsistence	0	1	0	0.0	0.0	0.0

Source: PC80-1-C/D57A, Table 23, and 1990 CPH-6-CNMI, Table 69

Table 4.12 Industry by Island: 1990

Industry	Island				
	Total	Saipan	Rota	Tinian	North. Is.
Employed 16 yrs and over	25,965	23,807	1,108	1,047	3
Agriculture, fishing, mining	700	514	89	97	0
Construction	5,767	5,205	282	280	0
Manufacturing	5,688	5,673	11	4	0
Nondurable goods	5,514	5,512	2	0	0
Durable goods	174	161	9	4	0
Transportation	1,178	1,017	45	115	1
Communications	240	231	8	1	0
Utilities and Sanitation Services	178	178	0	0	0
Wholesale trade	365	357	4	4	0
Retail trade	3,090	2,871	105	114	0
Finance, insurance & real estate	518	495	13	10	0
Business and repair	837	799	24	14	0
Personal entertainment and recreation services	3,897	3,601	169	127	0
Professional and related services	2,059	1,787	158	112	2
Health	510	444	36	30	0
Educational services	1,033	890	85	56	2
Other professional services	516	453	37	26	0
Public Administration	1,409	1,079	178	152	0

Source: 1990 CPH-6-CNMI, Table 17

Table 4.13 Industry by Ethnicity: 1980

Industry	Number			Percent		
	Total	Chamorro	Carolinian	Total	Chamorro	Carolinian
Employed 16 yrs and over	5,941	2,881	634	100.0	100.0	100.0
Agriculture, fishing, forestry	122	53	14	2.1	1.8	2.2
Construction	1,004	210	32	16.9	7.3	5.0
Manufacturing	110	22	12	1.9	0.8	1.9
Communications, transportation	517	304	87	8.7	10.6	13.7
Wholesale trade	101	65	15	1.7	2.3	2.4
Retail trade	818	429	50	13.8	14.9	7.9
Finance, insurance & real estate	163	116	18	2.7	4.0	2.8
Business and repair services	181	77	11	3.0	2.7	1.7
Personal entertainmt & recreation	760	319	75	12.8	11.1	11.8
Professional and related services	895	508	127	15.1	17.6	20.0
Public administration	1,264	774	192	21.3	26.9	30.3
Subsistence	6	4	1	0.1	0.1	0.2

Source: PC80-1-C/D57A, Table 43

Table 4.14 Industry by Sex: 1980 and 1990

Industry	1990			1980		
	Total	Male	Female	Total	Male	Female
Employed 16 yrs. and over	25,965	14,782	11,183	4,580	3,213	1,367
Agriculture, fishing, forestry	700	677	23	94	89	5
Construction	5,767	5,556	211	923	906	17
Manufacturing	5,688	1,341	4,347	91	71	20
Communications, transportation	1,635	1,260	375	401	340	61
Wholesale trade	365	280	85	47	39	8
Retail trade	3,090	1,340	1,750	526	241	285
Finance, insurance & real estate	518	273	245	102	50	52
Business and repair services	837	648	189	131	118	13
Personal entertainment & recreation	3,897	1,539	2,358	530	233	297
Professional and related services	2,059	902	1,157	709	348	361
Public administration	1,409	966	443	1,020	773	247
Subsistence	0	0	0	6	5	1

Source: 1990 CPH-6-CNMI, Table 69, and PC80-1-C/D57A, Table 44

Table 4.15 Occupation by Island: 1990

Occupation	Island				
	Total	Saipan	Rota	Tinian	N. Is.
Employed 16 yrs and over	25,965	23,807	1,108	1,047	3
Managerial and professional spclty	4,636	4,217	238	179	2
Executive, administrative	2,914	2,663	145	106	0
Professional	1,722	1,554	93	73	2
Technical, sales and Admin. support	3,631	3,342	167	122	0
Technician	339	292	34	13	0
Sales	1,535	1,457	32	46	0
Administrative support	1,757	1,593	101	63	0
Service	4,550	4,043	256	251	0
Private household	1,225	1,022	104	99	0
Protective services	496	439	29	28	0
Other services	2,829	2,582	123	124	0
Farming, forestry and fishing	727	568	82	77	0
Precision production craft & repair	6,067	5,494	298	275	0
Operators, fabricators, and laborer	6,354	6,143	67	143	1
Machine operator, assembler	4,799	4,781	12	5	1
Transportation and material move	772	694	32	46	0
Handlers, equip cleaners, laborer	783	668	23	92	0

Source: 1990 CPH-6-CNMI, Table 16

Table 4.16 Permits Issued to Non-Resident Workers by Nationality: 1989 to 1993

Nationality	Year				
	1993	1992	1991	1990	1989
Total	11,999	23,027	26,143	21,857	18,411
Chinese	2,802	5,186	4,570	3,728	2,184
Filipino	8,120	15,812	18,940	14,762	11,786
Japanese	334	565	584	506	484
Korean	309	700	1,094	1,748	2,933
Thai	294	519	606	694	778
Other	140	245	349	419	246

Source: Central Statistics Division

Table 4.17 Permits Issued to Non-Resident Workers by Status and Year: 1990-1992

Permit Status	Year		
	1992	1991	1990
Total	23,090	26,141	22,015
New	9,092	12,640	10,952
Renew	13,354	13,066	10,500
Transfer	134	76	53
Extension	510	359	510

Source: Central Statistics Division

Table 4.18 Permits Issued to Non-Resident Workers by Industry and by Year: 1991-1992

Industry Category	Year	
	1992	1991
Total	23,027	25,871
Agriculture, Forestry, Fishing	16	12
Mining and Quarrying	0	2
Construction	4,179	3,842
Manufacturing	6,258	5,763
Transportation and Utilities	10	13
Wholesale trade	12	5
Retail trade	749	342
Finance, Insurance, Real estate	17	1
Services	5,115	3,317
Public administration	3	0
Uncoded (SIC)	6,668	12,574

Source: Central Statistics Division

Table 4.19 Permits Issued to Non-Resident Workers by Occupation:1988

Occupational category	Workers	
	Number	Percent
Total	15,165	100.0
Professional, Technical, Managerial	1,948	12.8
Clerical and Sales	203	1.3
Service	2,637	17.4
Agriculture, Fishery, Forestry & Related	453	3.0
Processing	206	1.4
Machine Trades	543	3.6
Benchwork	3,730	24.6
Structural Work	5,294	34.9
Miscellaneous	151	1.0

Source: Department of Commerce & Labor

Table 4.20 Non-Resident Work Permits by Employment Sector:1989-1992

Employment Sector	Year				
	1993	1992	1991	1990	1989
Total	11,999	23,027	26,143	21,857	18,411
Banking	35	32	27	30	30
Construction	2,068	4,374	5,851	3,464	2,398
Garment	3,336	6,245	5,876	6,304	5,736
Hotels	1,358	2,254	1,841	1,349	1,071
Government	137	300	275	230	167
Private households	1,295	2,716	2,892	2,258	1,516
Services	3,770	7,106	9,381	8,222	7,493

Source: Department of Commerce and Labor

Chapter 5

Household and Personal Income

Summary of Household and Personal Income

The 1990 Census results show that household median income was \$20,644 and household mean income was \$34,713 in the CNMI in 1989. Family median income was \$21,275 and the family mean income was \$35,994 in 1989.

Over 61 percent of households received income from wages and salaries; over 11 percent got their income from interest, dividend, and net rental; 8 percent from self employment; 6.1 percent received income from Social security; 5.6 percent relied on public assistance; 4.2 percent relied on retirement income; and 4.2 percent from remittances. Households whose primary source of income was from self-employment had the highest mean household income. Second were households with income from wages and salaries. Third highest mean household income was households with income from Interest, dividend, and net rental.

In 1989, personal median income was \$5,331, i.e., half of all persons had income below \$5,331 and half had income above \$5,331. Mean personal income was \$11,353, that same year. Twenty five percent of all persons with income received less than \$2,500 in 1989; over 21 percent received income between \$1,500 and less than \$5,000; over 47 percent of all persons with income received less than \$10,000 in 1989. Generally, males received higher income than females.

Generally, persons born in the CNMI earned more than those born elsewhere, in 1989. Citizens and nationals of the United States, generally, earned more than non US citizens in the Commonwealth that year.

For all persons employed for wages and salaries, hourly wage rates was highest among persons born in the U.S. mainland, followed by persons born in Guam. Persons born in the CNMI had the third highest mean hourly wage, followed by persons born in Palau, FSM, and Asian countries, respectively.

By class of worker, average hourly wage rate was highest for federal government employees, followed by local government employees, self-employed persons, and private enterprise employees, respectively.

Table 5.1 Households by income level by Island in 1989: 1990

Household Income	Island					Percentage				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
Total	6,873	6,085	416	366	6	100.0	100.0	100.0	100.0	100.0
Less than \$2,500	362	307	19	36	0	5.3	5.0	4.6	9.8	0.0
\$2,500 to \$4,999	374	319	36	19	0	5.4	5.2	8.7	5.2	0.0
\$5,000 to \$9,999	954	834	65	53	2	13.9	13.7	15.6	14.5	33.3
\$10,000 to \$14,999	860	765	47	46	2	12.5	12.6	11.3	12.6	33.3
\$15,000 to \$19,999	786	679	61	46	0	11.4	11.2	14.7	12.6	0.0
\$20,000 to \$24,999	663	587	37	39	0	9.6	9.6	8.9	10.7	0.0
\$25,000 to \$34,999	953	852	51	50	0	13.9	14.0	12.3	13.7	0.0
\$35,000 to \$49,999	827	732	50	43	2	12.0	12.0	12.0	11.7	33.3
\$50,000 to \$74,999	581	538	28	15	0	8.5	8.8	6.7	4.1	0.0
\$75,000 or more	513	472	22	19	0	7.5	7.8	5.3	5.2	0.0
Median (dollars)	20,644	21,010	18,333	18,152	12,500	...	...	...	...	...
Mean (dollars)	34,713	35,452	28,718	29,486	19,832	...	...	...	...	...

Source: 1990 CPH-6-CNM, Table 19

Table 5.2 Families by Income Level by Island in 1989: 1990

Family Income	Island					Percentage				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
Total	5,312	4,702	327	277	6	100.0	100.0	100.0	100.0	100.0
Less than \$2,500	201	178	6	16	1	3.8	3.8	1.8	5.8	16.7
\$2,500 to \$4,999	235	203	22	10	0	4.4	4.3	6.7	3.6	0.0
\$5,000 to \$9,999	738	654	46	36	2	13.9	13.9	14.1	13.0	33.3
\$10,000 to \$14,999	695	608	46	40	1	13.1	12.9	14.1	14.4	16.7
\$15,000 to \$19,999	633	548	50	35	0	11.9	11.7	15.3	12.6	0.0
\$20,000 to \$24,999	513	458	26	29	0	9.7	9.7	8.0	10.5	0.0
\$25,000 to \$34,999	751	654	49	48	0	14.1	13.9	15.0	17.3	0.0
\$35,000 to \$49,999	658	580	42	34	2	12.4	12.3	12.8	12.3	33.3
\$50,000 to \$74,999	482	446	24	12	0	9.1	9.5	7.3	4.3	0.0
\$75,000 or more	406	373	16	17	0	7.6	7.9	4.9	6.1	0.0
Median (dollars)	21,275	21,498	19,294	20,197	10,000	...	...	...	...	...
Mean (dollars)	35,994	36,597	29,644	33,651	18,166	...	...	...	...	...

Source: 1990 CPH-6-CNM, Table 19

Table 5.3 Households by Income Type in 1989 by Island: 1990

Income Type	Total	Year			
		Saipan	Rota	Tinian	N. Is.
With Earnings	6,498	5,765	387	342	4
With Wage or Salary Income	6,424	5,693	385	342	4
With Self-Employment Income	832	738	57	37	0
With interest, dividend, or net rental income	1,200	1,073	87	40	0
With Social Security Income	632	535	65	32	0
With Public Assistance Income	585	458	88	36	3
With Retirement Income	433	396	22	15	0
With Remittance Income	172	155	9	8	0
With Other Income	147	127	2	17	1

Source: 1990 CPH-6-CNMI, Table 19

Table 5.4 Mean Household Income by Type in 1989 Dollars:1990

Income Type	Total	Year			
		Saipan	Rota	Tinian	North. Is.
Earnings	31,844	32,665	25,334	25,454	24,526
Wage and salary	26,521	27,124	21,973	21,628	24,526
Self-employment	43,930	45,930	23,590	35,372	...
Interest, dividend, net rent	17,547	16,783	15,078	43,408	...
Social security	4,982	5,011	5,149	4,159	...
Public Assistance	3,804	3,899	3,468	3,312	5,067
Retirement	8,079	8,237	7,573	4,645	...
Remittance	8,192	8,885	2,564	1,094	...
All other income	3,174	3,467	559	1,142	5,688

Source: 1990 CPH-6-CNMI, Table 19

Table 5.5 Income Level by Sex in 1989:1990

Income	Numbers			Percent		
	Total	Males	Females	Total	Males	Females
Total	33,030	17,492	15,538	...	...	...
Total with income	27,485	15,551	11,934	100.0	100.0	100.0
\$1 to \$2,499/loss	7,102	3,234	3,868	25.8	20.8	32.4
\$2,500 to \$4,999	5,889	3,660	2,229	21.4	23.5	18.7
\$5,000 to \$7,499	5,675	3,175	2,500	20.6	20.4	20.9
\$7,500 to \$9,999	2,065	1,155	910	7.5	7.4	7.6
\$10,000 to \$14,999	2,475	1,411	1,064	9.0	9.1	8.9
\$15,000 to \$19,999	1,281	745	536	4.7	4.8	4.5
\$20,000 to \$24,999	865	565	300	3.1	3.6	2.5
\$25,000 to \$34,999	845	572	273	3.1	3.7	2.3
\$35,000 to \$49,999	565	474	91	2.1	3.0	0.8
\$50,000 or more	723	560	163	2.6	3.6	1.4
Median (\$)	5,331		4,854	...	...	...
Mean (\$)	11,353		8,628	...	...	...

Source: 1990 CPH-6-CNMI, Table 90

Table 5.6 Income Level by Birthplace in 1989:1990

Income	Number				Percent			
	Total	Not CNMI			Total	Not CNMI		
		CNMI	Philippines	Other		CNMI	Philippines	Other
Total	33,030	8,738	13,317	10,975	...	...	...	...
Total with income	27,485	6,447	11,911	9,127	100.0	100.0	100.0	100.0
\$1 to \$2,499/loss	7,102	838	4,153	2,111	25.8	13.0	34.9	23.1
\$2,500 to \$4,999	5,889	998	3,523	1,368	21.4	15.5	29.6	15.0
\$5,000 to \$7,499	5,675	890	2,646	2,139	20.6	13.8	22.2	23.4
\$7,500 to \$9,999	2,065	710	645	710	7.5	11.0	5.4	7.8
\$10,000 to \$14,999	2,475	1,038	460	977	9.0	16.1	3.9	10.7
\$15,000 to \$19,999	1,281	706	183	392	4.7	11.0	1.5	4.3
\$20,000 to \$24,999	865	386	110	369	3.1	6.0	0.9	4.0
\$25,000 to \$34,999	845	425	73	347	3.1	6.6	0.6	3.8
\$35,000 to \$49,999	565	215	49	301	2.1	3.3	0.4	3.3
\$50,000 or more	723	241	69	413	2.6	3.7	0.6	4.5
Median (\$)	5,331	9,252	3,779	...	...	...	...	...
Mean (\$)	11,353	16,693	5,328	...	...	...	...	...

Source: 1990 CPH-6-CNMI, Table 90

Table 5.7 Wage and Salary Income, Wage and Salary Earners, and Average Earnings: 1980 to 1991

Year	Wage and Salary Income (\$000)	Wage and Salary Earners	Average Earnings (\$)
1991	322,301	47,867	6,733
1990	262,251	41,531	6,315
1989	209,746	35,882	5,845
1988	105,211	19,435	5,413
1987	101,058	19,350	5,223
1986	80,006	14,640	5,465
1985	77,504	10,367	7,476
1984	69,500	9,980	6,964
1983	63,725	9,753	6,534
1982	54,868	8,681	6,320
1981	48,180	8,180	5,890
1980	41,863	7,627	5,489

Source: Division of Revenue and Taxation

Table 5.8 Average Hourly Wage Rates by Birthplace and Citizenship: 1990

Birthplace	All Persons	U.S. Citizen or national	Not a
			U.S. Citizen or national
All Persons	4.60	8.45	3.37
CNMI	7.38	7.38	...
Guam	8.52	8.52	...
United States	14.95	14.95	...
Palau	5.08	10.86	4.10
Federated States of Micronesia	4.35	9.35	3.60
Asia	3.37	7.55	3.30
Elsewhere	10.47	11.58	9.07

Source: Unpublished Report, CNMI Central Statistics Division

Note: Values are in dollars and cents

Table 5.9 Average Hourly Wage Rates by Citizenship: 1990 and 1992

Citizenship	Year	
	1992	1990
All Persons	5.02	4.60
CNMI	8.94	7.38
Guam	...	8.52
United States	13.92	14.95
Palau	5.59	4.10
Federated States of Micronesia	4.67	3.60
Asia	2.82	3.30
Elsewhere	6.94	9.07

Source: Unpublished Report, CNMI Central Statistics Division
and CNMI Current Household Survey, 1992

Note: Values are in dollars and cents

Table 5.10 Average Hourly Wage Rates by Class of worker:
1990 and 1992

Class of Worker	Year	
	1992	1990
Employed persons	5.02	4.55
Private for Profit	3.81	3.86
Private not for profit	2.26	4.80
Local/territorial government	9.89	8.47
Federal government	10.96	11.14
Self-employed, not inc	8.83	15.09
Self-employed, inc	9.33	...

Source: Unpublished Report, CNMI Central Statistics Division
and CNMI Current Household Survey, 1992

Note: Values are in dollars and cents

Table 5.11 CNMI Wage and Salary Earners by Sector: 1991 and 1990

Income	CNMI Government		Private Sector		Federal Gov't		Percent Change '90 to '91		
	1991	1990	1991	1990	1991	1990	CNMI	Private	Fed
\$ 10,000 or less	3,549	2,070	36,045	32,661	8	66	71.4	10.4	-87.9
\$ 10,001- \$ 20,000	1,834	1,371	3,122	3,065	3	7	33.8	1.9	-57.1
\$ 20,001- \$ 30,000	1,371	732	696	755	10	3	87.3	-7.8	233.3
\$ 30,001- \$ 40,000	555	261	191	229	4	6	112.6	-16.6	-33.3
\$ 40,001- \$ 50,000	130	48	112	91	6	10	170.8	23.1	-40.0
\$ 50,001- over	65	24	164	128	2	2	170.8	28.1	0.0

Source: Department of Finance

Table 5.12 NAP Actual Participation in the CNMI by Month: FY 1992 and FY 1993

Month	1993			1992		
	HH	Individuals	Benefits (\$)	HH	Individuals	Benefits (\$)
Total	8,784	34,559	2,472,539	6,782	26,064	1,860,932
October	643	2,508	180,218	514	1,930	138,209
November	660	2,566	183,453	516	1,937	138,677
December	673	2,599	185,105	533	2,009	143,091
January	671	2,631	187,273	532	2,026	144,099
February	712	2,823	202,555	537	2,038	145,251
March	724	2,883	205,600	562	2,138	152,219
April	747	2,954	210,320	580	2,227	159,356
May	761	2,994	213,802	584	2,255	160,713
June	775	3,063	219,608	586	2,303	162,637
July	776	3,080	220,708	597	2,326	166,213
August	805	3,180	227,923	621	2,475	177,084
September	837	3,278	235,974	620	2,400	173,383

Source: NAP Annual Report for Fiscal Years 1992 & 1993

Table 5.13 NAP Actual Participation in Saipan by Month: FY 1992 and FY 1993

Month	1993			1992		
	HH	Individuals	Benefits (\$)	HH	Individuals	Benefits (\$)
Total	7,331	29,577	2,128,420	5,636	22,085	1,586,913
October	531	2,126	153,772	427	1,636	118,145
November	545	2,180	157,129	432	1,653	119,353
December	557	2,215	159,176	447	1,710	123,067
January	560	2,252	162,109	444	1,708	123,276
February	597	2,421	175,877	455	1,744	125,517
March	607	2,474	177,922	471	1,811	129,647
April	628	2,543	182,051	479	1,878	134,763
May	637	2,567	184,067	486	1,917	137,251
June	647	2,618	188,559	482	1,940	138,393
July	650	2,642	189,971	493	1,970	140,918
August	673	2,726	195,379	510	2,087	149,535
September	699	2,813	202,408	510	2,031	147,048

Source: NAP Annual Report for Fiscal Years 1992 & 1993

Table 5.14 NAP Actual Participation in Rota by Month: FY 1992 and FY 1993

Month	1993			1992		
	HH	Individuals	Benefits (\$)	HH	Individuals	Benefits (\$)
Total	910	3,235	214,505	814	2,813	188,633
October	70	240	16,280	68	231	15,534
November	73	251	17,078	67	229	15,515
December	70	242	16,432	69	242	15,904
January	69	244	16,090	67	238	15,216
February	70	255	16,516	61	215	14,187
March	72	262	17,149	67	236	16,159
April	73	261	16,816	70	238	16,439
May	76	271	17,855	67	227	15,288
June	80	291	19,153	70	244	15,832
July	79	288	19,144	68	231	15,824
August	88	312	20,809	69	243	16,297
September	90	318	21,183	71	239	16,438

Source: NAP Annual Report for Fiscal Years 1992 & 1993

Table 5.15 NAP Actual Participation in Tinian by Month: FY 1992 and FY 1993

Month	1993			1992		
	HH	Individuals	Benefits (\$)	HH	Individuals	Benefits (\$)
Total	518	1,670	122,611	313	1,093	78,383
October	38	132	9,699	18	58	4,063
November	38	125	8,779	16	50	3,342
December	42	132	9,030	16	52	3,653
January	39	126	8,607	20	75	5,140
February	42	138	9,695	20	74	5,080
March	42	138	10,062	23	86	5,946
April	45	145	10,986	30	106	7,687
May	47	151	11,413	30	106	7,707
June	47	149	11,429	33	114	7,945
July	46	145	10,817	34	117	8,695
August	44	142	10,723	38	135	10,240
September	48	147	11,371	35	120	8,885

Source: NAP Annual Report for Fiscal Years 1992 & 1993

Table 5.16 NAP Actual Participation in the Northern Islands by Month: FY 1992 and FY 1993

Month	1993			1992		
	HH	Individuals	Benefits (\$)	HH	Individuals	Benefits (\$)
Total	25	77	7,003	19	73	7,003
October	4	10	467	1	5	467
November	4	10	467	1	5	467
December	4	10	467	1	5	467
January	3	9	467	1	5	467
February	3	9	467	1	5	467
March	3	9	467	1	5	467
April	1	5	467	1	5	467
May	1	5	467	1	5	467
June	1	5	467	1	5	467
July	1	5	776	2	8	776
August	0	0	1,012	4	10	1,012
September	0	0	1,012	4	10	1,012

Source: NAP Annual Report for Fiscal Years 1992 & 1993

Table 5.17 NAP Actual Participation by Ethnicity in FY 1993

Ethnicity	Monthly average number of		Total Benefits (\$)	Percent		
	Households	Persons		Households	Persons	Benefits
Total	732	2,881	2,473,122	100.0	100.0	100.0
Chamorro	375	1,507	1,278,202	51.2	52.3	51.7
Carolinian	142	653	583,510	19.4	22.7	23.6
Chuukese	60	259	230,020	8.2	9.0	9.3
Palauan	61	236	202,124	8.3	8.2	8.2
Filipino	72	151	118,455	9.8	5.2	4.8
Pohnpeian	11	39	35,723	1.5	1.4	1.4
Yapese	3	14	9,941	0.4	0.5	0.4
Others	8	22	15,147	1.1	0.8	0.6

Source: NAP Report for Fiscal Year 1993

Chapter 6

Accidents and Offenses

Summary of Accidents and Offenses

The total number of reported juvenile offenses was high in 1986, declined somewhat in 1987 and 1988, and increased to a high of 514 in 1989; the number of juvenile offense declined drastically in 1990, but increased again in 1991 and 1992. Reported juvenile burglaries was highest in 1988, but generally declined to a low of 39 in 1992. Reported larceny and theft declined during the same period. Also, reported truancy and vandalism declined. In contrast, reported liquor-related offenses, assault, and disturbing the peace increased during this period.

The total number of non-juvenile offenses reported reached a high of 201 in 1988, but declined to a low of 130 in 1992. Non-juvenile assault reported was high in 1986, declined in 1987 and 1988, but generally increased after that. Reported burglaries declined, between 1986 and 1992. Non-juvenile reported larceny fluctuated, but declined between 1986 and 1992.

The total number of traffic accidents steadily increased from calendar year 1990 to 1993.

The total number of complaints reported was highest in 1989, lowest in 1991, but increased again in 1991 and 1992. The highest number of complaints, by far, was reported in Koblerville. The second highest was reported in Garapan, followed by Chalan Kanoa. Reported complaints were also high in San Vicente, San Roque, and Tanapag.

The tables in this chapter detail the number of public safety offenses and traffic accidents in the CNMI in recent years.

Table 6.1 Juvenile Offenses: 1986 to 1992

Offense	Year						
	1992	1991	1990	1989	1988	1987	1986
Total	313	306	206	514	378	317	394
Homicide	2	0	0	0	0	1	1
Rape	0	0	0	1	1	0	0
Robbery	1	14	0	2	1	0	0
Assault	49	49	34	46	16	29	43
Burglary	39	55	11	52	132	75	44
Larceny/Theft	28	31	19	44	39	35	48
Auto theft	11	15	3	18	11	11	26
Arson	0	0	0	2	1	0	1
Disturbing Peace	56	30	19	23	11	32	26
Vandalism	6	4	4	30	41	13	48
Marijuana	12	10	0	2	4	6	35
Trespassing	0	0	0	2	0	9	3
Other criminal offenses	49	54	12	22	16	9	12
Truancy	15	14	74	235	88	77	78
Liquor (MCL)	42	24	27	28	13	17	6
Tobacco	0	6	2	1	4	3	16
Curfew	3	0	1	6	0	0	3
Other status	0	0	0	0	0	0	4

Source: Criminal Justice Planning Agency

Table 6.2 Number of Traffic Accidents by Month: 1990 to 1993

Offense	Year			
	1993	1992	1991	1990
Total	2,507	2,237	2,033	1,979
January	227	205	184	185
February	145	203	187	79
March	220	269	192	66
April	207	216	155	121
May	250	213	145	179
June	216	173	189	179
July	220	191	150	97
August	210	199	141	108
September	194	181	124	220
October	214	110	164	235
November	193	137	208	295
December	211	140	194	215

Source: Criminal Justice Planning Agency

Table 6.3 Index of Offenses: 1986 to 1992

Offense	Year						
	1992	1991	1990	1989	1988	1987	1986
Total	130	164	67	165	201	151	163
Homicide	2	0	0	0	0	1	1
Rape	0	0	0	1	1	0	0
Robbery	1	14	0	2	1	0	0
Assault	49	49	34	46	16	29	43
Burglary	39	55	11	52	132	75	44
Larceny	28	31	19	44	39	35	48
Auto Theft	11	15	3	18	11	11	26
Arson	0	0	0	2	1	0	1

Source: Criminal Justice Planning Agency

Table 6.4 Complaints Reported by Village: 1987 to 1992

Village	Year					
	1992	1991	1990	1989	1988	1987
Total	244	232	132	310	174	202
As Lito	7	4	0	0	0	0
As Perdido	1	1	0	1	0	3
As Terlaje	2	1	1	1	0	0
As Teo	1	1	0	0	0	0
Capital Hill	6	2	3	13	4	5
Chalan Kanoa	18	26	7	20	23	29
Chalan Kiya	6	0	2	2	0	2
Chalan Laulau	7	7	5	4	0	12
Chalan Piao	7	5	0	1	0	0
China Town	5	6	9	7	0	10
Dan Dan	17	10	4	7	0	1
Fina Sisu	1	3	6	6	0	5
Garapan	31	21	18	66	38	30
Gualo Rai	7	4	3	2	0	1
Kagman	7	5	2	5	3	2
Koblerville	52	62	28	54	34	26
Marpi	1	0	0	0	0	0
Navy Hill	3	2	7	0	0	2
Papago	1	1	1	0	0	0
Puerto Rico	3	0	0	0	0	0
Sadog Tasi	0	2	0	0	0	2
San Antonio	7	7	1	18	14	18
San Jose	3	4	1	7	10	4
San Roque	14	16	7	18	8	11
San Vicente	15	15	12	56	24	23
Susupe	9	6	8	8	7	10
Tanapag	13	9	2	10	9	6
Others	0	0	0	0	0	0
Not Reported	0	12	5	4	0	0

Source: Criminal Justice Planning Agency

Table 6.5 DUI Arrests in 1992: Ethnicity by Month

Ethnicity	Month												
	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total	1,116	132	120	86	66	68	96	87	67	77	126	80	111
American	43	6	7	1	1	5	4	2	2	5	5	2	3
Chamorro	151	10	16	6	10	8	10	13	14	8	22	20	14
Carolinian	146	36	12	13	5	11	11	3	5	10	14	13	13
Pohnpeian	48	11	5	3	2	3	4	2	1	6	3	1	7
Chuukese	84	11	9	5	7	5	6	6	5	5	7	4	14
Palauan	159	16	17	9	7	15	12	17	6	11	23	12	14
Marshallese	5	0	0	2	0	1	0	0	0	0	0	0	2
Yapese	14	1	1	1	0	0	0	1	2	2	4	0	2
Japanese	39	1	5	8	3	2	2	2	3	1	3	4	5
Filipino	320	17	37	25	23	16	38	31	19	23	34	18	29
Korean	73	8	7	12	4	2	8	8	5	3	4	5	7
Chinese	21	4	2	1	2	0	1	2	3	1	4	0	1
Thais	4	0	2	0	1	0	0	0	0	1	0	0	0
Tongan	1	0	0	0	0	0	0	0	0	0	0	1	0
Fijian	3	1	0	0	0	0	0	0	1	0	1	0	0
Samoaan	2	0	0	0	1	0	0	0	0	0	1	0	0
Mexican	2	0	0	0	0	0	0	0	1	1	0	0	0
Indian	1	0	0	0	0	0	0	0	0	0	1	0	0

Source: CJPA

Table 6.6 DUI Arrests in 1991: Ethnicity by Month

Ethnicity	Month												
	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total	449	23	22	22	22	36	34	43	17	38	17	32	143
American	12	1	0	0	0	1	1	2	0	0	1	0	6
Chamorro	72	3	3	2	3	8	5	12	2	4	2	7	21
Carolinian	36	2	1	1	3	3	1	6	1	3	1	5	9
Pohnpeian	15	2	0	3	0	1	1	1	0	1	1	0	5
Chuukese	38	2	0	3	2	2	5	1	3	5	0	3	12
Palauan	81	4	4	5	2	10	4	5	6	10	2	8	21
Marshallese	1	0	0	0	0	0	0	1	0	0	0	0	0
Yapese	2	0	0	0	0	0	0	0	0	1	0	0	1
Bangladesh	1	0	0	0	0	0	0	0	0	0	0	1	0
Italian	2	0	0	0	0	0	0	0	0	0	0	0	2
Japanese	12	1	1	0	1	1	1	3	0	0	0	1	3
Filipino	140	5	11	6	6	6	13	10	2	11	8	5	57
Korean	30	3	1	1	4	3	3	2	3	3	2	1	4
Chinese	3	0	1	0	0	1	0	0	0	0	0	0	1
Thais	1	0	0	0	0	0	0	0	0	0	0	0	1
Tongan	1	0	0	1	0	0	0	0	0	0	0	0	0
Hawaiian	2	0	0	0	1	0	0	0	0	0	0	1	0

Source: CJPA

Chapter 7

Voters and Elections

Summary of Voters and Elections

The number of registered voters in the Commonwealth was 8,234 persons in 1987 and increased to 10,022 by 1991. In 1991, Election District 1 had the highest number of registered voters (2,916), second highest was District 3 (2,677), followed by District 4, District 2, District 6, and District 5.

The total number of registered voters who voted also increased from 7,341 in 1987 to 8,550 persons in 1991; however, not all election districts had increases. The number of voters who voted consistently increased in Election Districts 1, 3, 5, and 6, but declined in Election Districts 2 and 4, from 1987 to 1991.

Generally, male registered voters outnumbered females; similarly, male registered voters who voted in 1987, 1989, and 1991 election years outnumbered females.

The proportion of registered voters who voted went up slightly from 1987 to 1989, but declined from 1989 to 1991. The proportion of registered voters who voted in election year 1991 was highest in Election District 5 (Tinian), second highest in District 6 (Rota), followed by District 3, District 1, District 2, and District 4, respectively.

Although age group 18-26 years old had the largest number of registered voters, age group 27-35 had the highest number of registered voters who voted in the 1991 election. This was true in total and for male voters, but not for females. For females, age group 18-26 had the highest number of registered voters and the highest number who voted in the 1991 election.

By far, Chamorro was the largest single ethnic group both in the number of registered voters and in the number of voters who voted, followed by Carolinian, American, Chamolinian, Filipino, and Palauan, respectively.

Registered voters moved from one election district to another. The 1991 election revealed that Election District 1 had a net gain of 135 registered voters, Election district 2 had a net loss of 119 registered voters, Election District 3 had a net loss of 21, Election District 4 had a net loss of 3, Election District 5 had a net gain of 9, and Election District 6 had a net loss of 1.

**Table 7.1 Number of Registered Voters in 1987, 1989, and 1991:
Election Districts by Election Year**

Election District	Election Year			Percent Change	
	1991	1989	1987	89-91	87-89
All Registered Voters	10,022	9,379	8,234	6.9	13.9
District 1	2,916	2,548	1,960	14.4	30.0
San Antonio	785	766	1,000	2.5	-23.4
San Vicente	1,605	1,276	960	25.8	32.9
Koblerville	526	506	...	4.0	...
District 2	1,134	1,236	1,201	-8.3	2.9
Chalan Kanoa	892	981	964	-9.1	1.8
Susupe	242	255	237	-5.1	7.6
District 3	2,677	2,545	2,403	5.2	5.9
San Jose	813	763	751	6.6	1.6
Garapan	1,807	1,719	1,586	5.1	8.4
Northern Is.	57	63	66	-9.5	-4.5
District 4	1,491	1,407	1,270	6.0	10.8
Tanapag	486	495	492	-1.8	0.6
San Roque	319	332	343	-3.9	-3.2
Capital Hill	686	580	435	18.3	33.3
District 5	763	684	574	11.5	19.2
Tinian	763	684	574	11.5	19.2
District 6	1,041	959	826	8.6	16.1
Rota	1,041	959	826	8.6	16.1

Source: Election Commission

**Table 7.2 Number of Registered Voters Who Voted in 1987, 1989,
and 1991: Election Districts by Election Year**

Election District	Election Year			Percent Change	
	1991	1989	1987	89-91	87-89
Total Voted	8,550	8,419	7,341	1.6	14.7
District 1	2,479	2,249	1,794	10.2	25.4
San Antonio	659	674	913	-2.2	-26.2
San Vicente	1,371	1,130	881	21.3	28.3
Koblerville	449	445	...	0.9	...
District 2	927	1,093	1,075	-15.2	1.7
Chalan Kanoa	734	861	871	-14.8	-1.1
Susupe	193	232	204	-16.8	13.7
District 3	2,294	2,262	2,054	1.4	10.1
San Jose	744	689	674	8.0	2.2
Garapan	1,497	1,515	1,324	-1.2	14.4
Northern Is.	53	58	56	-8.6	3.6
District 4	1,192	1,249	1,086	-4.6	15.0
Tanapag	389	453	424	-14.1	6.8
San Roque	253	310	310	-18.4	0.0
Capital Hill	550	486	352	13.2	38.1
District 5	716	649	544	10.3	19.3
Tinian	716	649	544	10.3	19.3
District 6	942	917	788	2.7	16.4
Rota	942	917	788	2.7	16.4

Source: Election Commission

Table 7.3 Number of Male Registered Voters in 1987, 1989, and 1991:
Election Districts by Election Year

Election District	Election Year			Percent Change	
	1991	1989	1987	89-91	87-89
All Male Voters	5,205	4,879	4,285	6.7	13.9
District 1	1,490	1,328	1,034	12.2	28.4
San Antonio	421	424	530	-0.7	-20.0
San Vicente	813	662	504	22.8	31.3
Koblerville	256	242	...	5.8	...
District 2	597	640	618	-6.7	3.6
Chalan Kanoa	468	508	495	-7.5	2.2
Susupe	129	134	123	-3.7	8.9
District 3	1,350	1,279	1,204	5.6	6.2
San Jose	406	389	387	4.4	0.5
Garapan	913	855	773	6.8	10.6
Northern Is.	31	35	44	-11.4	-20.5
District 4	795	750	687	6.0	9.2
Tanapag	252	264	268	-4.5	-1.5
San Roque	174	186	188	-6.5	-1.1
Capital Hill	369	300	231	23.0	29.9
District 5	419	378	313	10.8	20.8
Tinian	419	378	313	10.8	20.8
District 6	554	504	429	9.9	17.5
Rota	554	504	429	9.9	17.5

Source: Election Commission

Table 7.4 Number of Male Registered Voters Who Voted
in 1987, 1989, and 1991: Election Districts by Election Year

Election District	Election Year			Percent Change	
	1991	1989	1987	89-91	87-89
All Male Voted	4,430	4,363	3,815	1.5	14.4
District 1	1,261	1,157	953	9.0	21.4
San Antonio	355	373	484	-4.8	22.9
San Vicente	697	576	469	21.0	22.8
Koblerville	209	208	...	0.5	...
District 2	489	574	564	-14.8	1.8
Chalan Kanoa	384	449	457	-14.5	-1.8
Susupe	105	125	107	-16.0	16.8
District 3	1,155	1,126	1,018	2.6	10.6
San Jose	366	351	342	4.3	2.6
Garapan	758	745	641	1.7	16.2
Northern Is.	31	30	35	3.3	-14.3
District 4	638	664	576	-3.9	15.3
Tanapag	203	242	225	-16.1	7.6
San Roque	135	172	170	-21.5	1.2
Capital Hill	300	250	181	20.0	38.1
District 5	393	357	295	10.1	21.0
Tinian	393	357	295	10.1	21.0
District 6	494	485	409	1.9	18.6
Rota	494	485	409	1.9	18.6

Source: Election Commission

**Table 7.5 Number of Female Registered Voters in 1987, 1989, and 1991:
Election Districts by Election Year**

Election District	Election Year			Percent Change	
	1991	1989	1987	89-91	87-89
All Female Voters	4,817	4,500	3,949	7.0	14.0
District 1	1,426	1,220	926	16.9	31.7
San Antonio	364	342	470	6.4	-27.2
San Vicente	792	614	456	29.0	34.6
Koblerville	270	264	...	2.3	...
District 2	537	596	583	-9.9	2.2
Chalan Kanoa	424	475	469	-10.7	1.3
Susupe	113	121	114	-6.6	6.1
District 3	1,327	1,266	1,199	4.8	5.6
San Jose	407	374	364	8.8	2.7
Garapan	894	864	813	3.5	6.3
Northern Is.	26	28	22	-7.1	27.3
District 4	696	657	583	5.9	12.7
Tanapag	234	231	224	1.3	3.1
San Roque	145	146	155	-0.7	-5.8
Capital Hill	317	280	204	13.2	37.3
District 5	344	306	261	12.4	17.2
Tinian	344	306	261	12.4	17.2
District 6	487	455	397	7.0	14.6
Rota	487	455	397	7.0	14.6

Source: Election Commission

**Table 7.6 Number of Female Registered Voters Who Voted
in 1987, 1989, and 1991: Election Districts by Election Year**

Election District	Election Year			Percent Change	
	1991	1989	1987	89-91	87-89
All Female Voted	4,120	4,056	3,526	1.6	15.0
District 1	1,218	1,092	841	11.5	29.8
San Antonio	304	301	429	1.0	29.8
San Vicente	674	554	412	21.7	34.5
Koblerville	240	237	...	1.3	...
District 2	438	519	511	-15.6	1.6
Chalan Kanoa	350	412	414	-15.0	-0.5
Susupe	88	107	97	-17.8	10.3
District 3	1,139	1,136	1,036	0.3	9.7
San Jose	378	338	332	11.8	1.8
Garapan	739	770	683	-4.0	12.7
Northern Is.	22	28	21	-21.4	33.3
District 4	554	585	510	-5.3	14.7
Tanapag	186	211	199	-11.8	6.0
San Roque	118	138	140	-14.5	-1.4
Capital Hill	250	236	171	5.9	38.0
District 5	323	292	249	10.6	17.3
Tinian	323	292	249	10.6	17.3
District 6	448	432	379	3.7	14.0
Rota	448	432	379	3.7	14.0

Source: Election Commission

Table 7.7 Percent of Registered Voters Who Voted in 1987, 1989, and 1991
Election Districts by Election Year and Sex

Election District	All Voters			Male			Female		
	1991	1989	1987	1991	1989	1987	1991	1989	1987
All Districts	85.3	89.8	89.2	85.1	89.4	89.0	85.5	90.1	89.3
District 1	85.0	88.3	91.5	84.6	87.1	92.2	85.4	89.5	90.8
San Antonio	83.9	88.0	91.3	84.3	88.0	91.3	83.5	88.0	91.3
San Vicente	85.4	88.6	91.8	85.7	87.0	93.1	85.1	90.2	90.4
Koblerville	85.4	87.9	...	81.6	86.0	...	88.9	89.8	...
District 2	81.7	88.4	89.5	81.9	89.7	91.3	81.6	87.1	87.7
Chalan Kanoa	82.3	87.8	90.4	82.1	88.7	92.3	82.5	86.7	88.3
Susupe	79.8	91.0	86.1	81.4	93.3	87.0	77.9	88.4	85.1
District 3	85.7	88.9	85.5	85.6	88.0	84.6	85.8	89.7	86.4
San Jose	91.5	90.3	89.7	90.1	90.2	88.4	92.9	90.4	91.2
Garapan	82.8	88.1	83.5	83.0	87.1	82.9	82.7	89.1	84.0
Northern Is.	93.0	92.1	84.8	100.0	85.7	79.5	84.6	100.0	95.5
District 4	79.9	88.8	85.5	80.3	88.5	83.8	79.6	89.0	87.5
Tanapag	80.0	91.5	86.2	80.6	91.7	84.0	79.5	91.3	88.8
San Roque	79.3	93.4	90.4	77.6	92.5	90.4	81.4	94.5	90.3
Capital Hill	80.2	83.8	80.9	81.3	83.3	78.4	78.9	84.3	83.8
District 5	93.8	94.9	94.8	93.8	94.4	94.2	93.9	95.4	95.4
Tinian	93.8	94.9	94.8	93.8	94.4	94.2	93.9	95.4	95.4
District 6	90.5	95.6	95.4	89.2	96.2	95.3	92.0	94.9	95.5
Rota	90.5	95.6	95.4	89.2	96.2	95.3	92.0	94.9	95.5

Source: Election Commission

Table 7.8 Number of Registered Voters by Election District by Age Group and by Sex, 1991

Election District	All Ages	Age Group							
		18-26	27-35	36-44	45-53	54-62	63-71	72-80	81+
All Voters	10,022	2,630	2,441	2,144	1,203	846	481	215	62
Elec. District 1	2,916	765	718	680	348	237	109	50	9
Elec. District 2	1,134	322	260	188	114	104	88	44	14
Elec. District 3	2,677	693	589	575	376	252	130	48	14
Elec. District 4	1,491	314	400	344	195	136	65	29	8
Elec. District 5	763	245	203	155	67	42	36	12	3
Elec. District 6	1,041	291	271	202	103	75	53	32	14
All Males	5,205	1,297	1,244	1,126	678	472	277	90	21
Elec. District 1	1,490	350	351	360	199	138	64	23	5
Elec. District 2	597	168	158	102	58	53	41	13	4
Elec. District 3	1,350	327	285	289	201	147	77	21	3
Elec. District 4	795	160	198	182	123	74	43	12	3
Elec. District 5	419	135	106	93	38	22	18	7	0
Elec. District 6	554	157	146	100	59	38	34	14	6
All Females	4,817	1,333	1,197	1,018	525	374	204	125	41
Elec. District 1	1,426	415	367	320	149	99	45	27	4
Elec. District 2	537	154	102	86	56	51	47	31	10
Elec. District 3	1,327	366	304	286	175	105	53	27	11
Elec. District 4	696	154	202	162	72	62	22	17	5
Elec. District 5	344	110	97	62	29	20	18	5	3
Elec. District 6	487	134	125	102	44	37	19	18	8

Source: Election Commission

Table 7.9 Number of Registered Voters Who Voted in 1991: Election District by Age Group and by Sex

Election District	All Ages	Age Group							
		18-26	27-35	36-44	45-53	54-62	63-71	72-80	81+
All Voters	8,550	2,106	2,138	1,877	1,041	742	422	175	49
Elec. District 1	2,479	602	632	590	297	213	96	42	7
Elec. District 2	927	242	214	155	94	92	81	37	12
Elec. District 3	2,294	567	524	505	330	216	108	35	9
Elec. District 4	1,192	214	329	294	163	110	52	24	6
Elec. District 5	716	224	192	150	62	41	34	11	2
Elec. District 6	942	257	247	183	95	70	51	26	13
All Males	4,430	1,040	1,091	971	584	410	241	75	18
Elec. District 1	1,261	274	308	310	169	119	57	20	4
Elec. District 2	489	132	130	82	47	46	38	11	3
Elec. District 3	1,155	268	258	250	172	128	62	14	3
Elec. District 4	638	108	162	156	104	61	34	11	2
Elec. District 5	393	125	100	87	36	22	17	6	0
Elec. District 6	494	133	133	86	56	34	33	13	6
All Females	4,120	1,066	1,047	906	457	332	181	100	31
Elec. District 1	1,218	328	324	280	128	94	39	22	3
Elec. District 2	438	110	84	73	47	46	43	26	9
Elec. District 3	1,139	299	266	255	158	88	46	21	6
Elec. District 4	554	106	167	138	59	49	18	13	4
Elec. District 5	323	99	92	63	26	19	17	5	2
Elec. District 6	448	124	114	97	39	36	18	13	7

Source: Election Commission

Table 7.10 Registered Voters: Election Districts by Ethnic Group in 1991

Election District	All Voters	Ethnic Groups						
		Chamorro	Caro- linian	Chamo- linian	Ame- rican	Palauan	Filipino	Others
All Voters	10,022	6,904	1,312	375	777	250	290	114
Elec. District 1	2,916	2,212	196	79	218	89	91	31
Elec. District 2	1,134	820	154	28	34	39	44	15
Elec. District 3	2,677	1,389	733	107	213	77	111	47
Elec. District 4	1,491	822	215	151	225	40	25	13
Elec. District 5	763	702	6	3	36	2	8	6
Elec. District 6	1,041	959	8	7	51	3	11	2
All Males	5,205	3,481	636	188	517	99	214	70
Elec. District 1	1,490	1,101	91	36	137	37	68	20
Elec. District 2	597	425	80	12	24	17	31	8
Elec. District 3	1,350	663	352	55	139	26	84	31
Elec. District 4	795	426	103	79	150	16	15	6
Elec. District 5	419	374	3	2	30	1	5	4
Elec. District 6	554	492	7	4	37	2	11	1
All Females	4,817	3,423	676	187	260	151	76	44
Elec. District 1	1,426	1,111	105	43	81	52	23	11
Elec. District 2	537	395	74	16	10	22	13	7
Elec. District 3	1,327	726	381	52	74	51	27	16
Elec. District 4	696	396	112	72	75	24	10	7
Elec. District 5	344	328	3	1	6	1	3	2
Elec. District 6	487	467	1	3	14	1	0	1

Source: Election Commission

Table 7.11 Registered Voters: Election District by Ethnicity in 1989

Election District	Total	Ethnicity						Other
		Cham-orro	Caro-linian	Chamo-linian	Amer-ican	Pala-uan	Fili-pino	
All voters	9,379	6,549	1,293	309	586	248	253	141
Election District 1	2,548	1,986	164	33	172	82	80	31
San Antonio	766	597	5	10	52	50	43	9
San Vicente	1,276	1,042	56	11	104	19	27	17
Koblerville	506	347	103	12	16	13	10	5
Election District 2	1,236	909	164	32	34	44	37	16
Chalan Kanoa	293	257	1	2	6	16	8	3
Chalan Kanoa	325	161	131	13	6	11	1	2
Chalan Kanoa	363	297	11	15	8	11	14	7
Susupe	255	194	21	2	14	6	14	4
Election District 3	2,545	1,284	770	100	149	79	99	64
San Jose	763	258	399	33	23	8	22	20
Garapan	1,719	1,013	324	67	125	69	77	44
North Is.	63	13	47	0	1	2	0	0
Election District 4	1,407	835	182	134	176	39	17	24
Tanapag	495	178	153	117	22	12	3	10
San Roque	332	303	1	8	6	6	2	6
Capitol Hill	580	354	28	9	148	21	12	8
Election District 5	584	640	7	3	19	1	9	5
Election District 6	959	895	6	7	36	3	11	1

Source: Election Commission

Table 7.12 Registered Voters: Election District by Ethnicity in 1987

Election District	Total	Ethnicity					Other
		Cham-orro	Caro-linian	Chamo-linian	Ame-rican	Pala-uan	
All voters	8,234	5,954	1,187	223	415	233	222
Election District 1							
San Antonio	1,000	799	72	12	33	50	34
San Vicente	960	819	31	5	66	17	22
Election District 2							
Chalan Kanoa	295	262	2	2	7	14	8
Chalan Kanoa	319	170	121	10	5	12	1
Chalan Kanoa	350	305	10	3	6	12	14
Susupe	237	191	22	2	9	4	9
Election District 3							
San Jose	751	288	386	29	15	11	22
Garapan	1,586	1,011	302	44	88	74	67
North Is.	66	18	38	9	1	0	0
Election District 4							
Tanapag	492	164	184	89	29	11	15
San Roque	343	312	5	8	6	5	7
Capitol Hill	435	274	9	9	110	19	14
Election District 5							
Tinian	574	547	3	0	16	1	7
Election District 6							
Rota	826	794	2	1	24	3	2

Source: Election Commission

Table 7 13 Number of Registered Voters Who Changed Election District in 1991

From ED	Total	To Election District					
		ED 1	ED 2	ED 3	ED 4	ED 5	ED 6
Total	523	239	30	135	90	17	12
District 1	104	17	9	39	25	8	6
District 2	149	80	2	46	17	4	0
District 3	156	89	9	11	43	0	4
District 4	93	48	7	30	3	4	1
District 5	8	3	2	2	0	0	1
District 6	13	2	1	7	2	1	0

Source: Election Commission

Note: ED is for Election District

Chapter 8

Tourism

Summary of Visitors

The number of visitors into the Commonwealth increased annually since 1986: the annual increase was high between 1987 to 1990; it was lowest in 1991; the annual increases in 1992 and 1993 were not as high as in the late 1980's. The increase in the number of visitors occurred almost exclusively in Saipan. In Rota and Tinian the number of visitors fluctuated from year to year and has remained at somewhat the same level since 1982.

The majority of visitors to the Commonwealth came from Japan. By calendar year, the Japanese visitors increased in numbers annually, from 145,008 person in 1987 to 374,727 in 1993. The number of visitors from U.S. and Guam fluctuated, but generally increased during the same period. Although relatively smaller in numbers, visitors from Korea and Taiwan have increased in recent years.

The number of hotel rooms in the CNMI increased from 740 in 1980 to 2,931 rooms in 1992, an increase of over 3.9 times.

Estimated total visitors expenditure in the Commonwealth increased from \$61 million in 1980 to over \$518 million in 1992.

Table 8.1 CNMI Visitors Arrival by Month: Calendar Year 1986 to 1993

Month	1993	1992	1991	1990	1989	1988	1987
TOTAL	545,803	505,295	429,744	435,454	333,277	245,545	194,242
January	50,203	42,798	41,839	38,191	26,606	19,506	18,148
February	43,985	41,741	30,120	36,333	24,925	19,659	15,422
March	46,716	42,112	32,150	37,529	28,673	24,030	17,293
April	36,694	35,529	28,991	31,478	20,531	16,278	12,942
May	43,147	43,059	35,403	34,556	23,432	18,399	13,481
June	41,053	41,669	35,094	37,616	29,059	20,889	16,141
July	48,717	45,131	38,207	38,288	31,370	25,578	20,845
August	55,230	44,684	42,239	40,113	33,811	25,160	21,213
September	44,007	42,061	36,155	37,090	28,918	21,553	16,518
October	44,051	40,134	34,436	32,895	25,483	16,233	12,494
November	43,559	39,359	35,018	35,569	27,554	16,609	12,906
December	48,441	47,018	40,092	35,796	32,915	21,651	16,839

Source: Marianas Visitors Bureau

Table 8.2 Visitor Entries by Country of Citizenship: FY 1986 to FY 1993

Country	Fiscal Year						
	1993	1992	1991	1990	1989	1988	1987
Total	536,263	488,330	424,458	417,446	301,818	233,291	186,203
Japan	374,727	345,971	308,395	313,867	227,529	182,793	145,008
U.S. (Incl. Guam)	78,132	79,142	72,916	69,070	54,813	41,488	34,045
Philippines	•	•	•	5,391	2,427	1,866	1,291
Republic of Korea	52,963	31,615	20,185	17,034	10,451	3,695	2,560
Taiwan (R.O.C.)	11,370	11,163	3,585	471	272	422	491
Hong Kong	4,012	4,480	2,360	1,184	778	596	582
United Kingdom	•	•	•	381	429	374	272
West Germany	•	•	•	217	221	265	328
Canada	•	•	•	•	200	164	172
Australia	•	2,594	3,429	5,747	2,543	201	127
Other countries	15,059	13,365	13,588	3,784	2,155	1,427	1,327

Source: Marianas Visitors Bureau
*Included in "Other countries"

Table 8.3 Visitor Entries by Island of Entry: FY 1986 to FY 1993

Fiscal Year	Number				Percent Change			
	Total	Saipan	Rota	Tinian	Total	Saipan	Rota	Tinian
1993	536,263	523,771	12,060	432	9.8	11.0	-23.0	-28.7
1992	488,330	472,063	15,661	606	15.0	14.6	27.6	231.1
1991	424,458	412,004	12,271	183	1.8	2.0	-5.0	-41.7
1990	417,146	403,920	12,912	314	38.2	40.7	-9.5	-14.9
1989	301,818	287,175	14,274	369	29.4	31.8	-6.9	169.3
1988	233,291	217,818	15,336	137	25.3	29.3	-12.7	-37.2
1987	186,203	168,427	17,558	218	18.4	16.3	46.0	-40.6
1986	157,207	144,815	12,025	367	...	...	...	...

Source: Marianas Visitors Bureau

Table 8.4 Number of Hotel Rooms, Visitor Entries, and Visitor Estimated Expenditures: FY 1980 to FY 1993

Fiscal Year	Hotel Rooms	Visitor Entries	Est. Visitor Expenditures (Millions \$)	Ave. Expenditures by Visitors (\$)
1992	2,931	488,330	518	1,060
1991	2,219	424,458	427	1,006
1990	2,173	417,146	418	1,002
1989	2,483	301,818	319	1,055
1988	1,945	233,291	244	1,048
1987	1,369	186,203	154	827
1986	1,152	157,207	134	852
1985	976	142,284	122	855
1984	765	131,823	71	540
1983	767	124,024	67	540
1982	767	111,173	57	510
1981	814	117,572	59	502
1980	740	117,149	61	519

Source: Marianas Visitors Bureau and Office of Planning and Budget

Chapter 9

Housing

Summary of Housing

The number of housing units (8,210) in the Commonwealth in 1990 was almost twice the number of housing units in 1980 (3,522). The increased number of units reflects the increased demand for housing by a growing population and a prospering economy. More than half of all units in 1990 were built between 1985 and 1990, a period of high growth in population and economic development in the CNMI. There were more multiple-unit structures in 1990, compared to 1980. Over 88 percent of all housing units were located in Saipan in 1990, where most people and businesses are located.

Over 66 percent of all units had concrete walls, only about 20 percent had metal walls and only 13 percent had wooden walls. This was a major change from 1980 and prior census years when more than half of all housing units had either metal or wooden walls. Also in 1990, over 48 percent of total units had concrete roofs and 49 percent had metal roofs. This was a significant change from 1980 when 33 percent of housing units had concrete roofs and over 50 percent had metal roofs--in 1967, over 85 percent of housing units had metal roofs.

Over 72 percent of units in 1990 had complete plumbing; only about 28 percent lacked complete plumbing. This was a major improvement from 1980 when about half of all units had complete plumbing and half were without complete plumbing. In 1990, over 66 percent of units got their water solely from public system only, 27 percent depended on both public system and private water catchments, and 3 percent relied solely on private water catchment systems. In 1980, over 92 percent of housing units got their water from public system only.

Over 33 percent of units were connected to public sewer systems, about 47 percent were using septic tanks/cesspools, and 18 percent used other means of disposing sewage.

In absolute numbers, more units had electricity, cooking facilities, and refrigerators in 1990 than in 1980. However, compared to 1980, proportionately more housing units were without electricity, without cooking facilities, and without refrigerators. CNMI-wide, 91 percent of housing units had electricity; by island, 92 percent of Saipan's housing units, 86 percent of Tinian's housing units and 79 percent of Rota's housing units had electricity. CNMI-wide, 83 percent of housing units had refrigerators; by island, 83 percent of Saipan's total units, 77 percent of Tinian's total units,

and 65 percent of Rota's units had refrigerators. Over 51 percent of total CNMI units had air conditioning; over 53 percent of Saipan's units, over 42 percent of Rota's units and about 35 percent of Tinian's units had air conditioning.

CNMI-wide, 88 percent of units had cooking facilities inside the building, 6 percent had cooking facilities outside the building and over 6 percent had no cooking facilities in 1990. About 33 percent of units in the CNMI had no telephones, about 13 percent had no radios, and about 18 percent had no television.

The median number of rooms was 4.0 in 1990. This was not too different from 1980 median of 4.1, but higher than the 1970 median of 3.3. Median persons per unit was 4.2 persons in 1990, a definite decline from 1980 median (5.4 persons) and 1970 median (6.2 persons). Persons per room declined from 1970 to 1980 to 1990.

Owner-occupied housing units constituted over 43 percent of total CNMI housing units, about 57 percent were renter-occupied units. Over 48 percent of Saipan's units, 47 percent of Tinian's units and about 40 percent of Rota's units were renter-occupied in 1990. Over 73 percent of total population (43,345) in 1990 lived in housing units; of those in housing units, 54 percent (17,267 persons) were in owner occupied units and 46 percent (14,589 persons) were in renter occupied units. A higher proportion of Rota's and Tinian's populations were in owner-occupied units, compared to Saipan's population.

Table 9.1 Units in Structure: 1980 and 1990

Units in Structure	Number		Percent Change 1980 to 1990	Percent	
	1990	1980		1990	1980
Total	8,210	3,522	133.1	100.0	100.0
1, detached	5,864	3,004	95.2	71.4	85.3
1, attached	850	62	1271.0	10.4	1.8
2	126	82	53.7	1.5	2.3
3 or 4	445	67	564.2	5.4	1.9
5 to 9	431	148	191.2	5.2	4.2
10 to 19	276	148	86.5	3.4	4.2
20 to 49	68	1	6700.0	0.8	0.0
50 or more	3	1	200.0	0.0	0.0
Mobile home/trailer	11	9	22.2	0.1	0.3
Other	136	9	1411.1	1.7	0.3

Source: HC80-1-A 57A, Table 9, and 1990 CPH-6-CNMI, Table 101

Table 9.2 Units in Structure by Island: 1990

Units in Structure	Numbers					Percent				
	Total	Sai- pan	Rota	Tin- ian	N. Is.	Total	Sai- pan	Rota	Tin- ian	N. Is.
Total	8,210	7,251	519	429	11	100.0	100.0	100.0	100.0	100.0
1, detached	5,864	4,993	475	385	11	71.4	68.9	91.5	89.7	100.0
1, attached	850	801	22	27	0	10.4	11.0	4.2	6.3	0.0
2	126	121	3	2	0	1.5	1.7	0.6	0.5	0.0
3 or 4	445	433	7	5	0	5.4	6.0	1.3	1.2	0.0
5 to 9	431	417	7	7	0	5.2	5.8	1.3	1.6	0.0
10 to 19	276	276	0	0	0	3.4	3.8	0.0	0.0	0.0
20 to 49	68	67	1	0	0	0.8	0.9	0.2	0.0	0.0
50 or more	3	3	0	0	0	0.0	0.0	0.0	0.0	0.0
Boat	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
Mobile home	11	11	0	0	0	0.1	0.2	0.0	0.0	0.0
Other	136	129	4	3	0	1.7	1.8	0.8	0.7	0.0

Source: 1990 CPH-6-CNMI, Table 101

Table 9.3 Year Structure Built by Island: 1990

Year Structure Built	Total	Island			
		Saipan	Rota	Tinian	North. Is.
Total	8,210	7,251	519	429	11
1989-March 1990	1,793	1,591	96	106	0
1985-1988	2,950	2,595	201	147	7
1980-1984	1,563	1,383	86	93	1
1970-1979	1,095	938	101	54	2
1960-1969	523	479	26	17	1
1950-1959	203	187	5	11	0
1940-1949	51	47	4	0	0
Before 1940	32	31	0	1	0

Source: 1990 CPH-6-CNMI, Table 101

Table 9.4 Material for Outside Walls: 1967, 1980, and 1990

Type of Material	Number			Percent Change			Percent		
	1990	1980	1967	1980 to	1967 to	Percent			
				1990	1980	1990	1980	1967	
Total	8,210	3,373	1,640	143.4	105.7	100.0	100.0	100.0	
Concrete	5,460	1,408	272	287.8	417.6	66.5	41.7	16.6	
Poured	941	223	(NA)	322.0	(NA)	11.5	6.6	(NA)	
Blocks	4,519	1,185	(NA)	281.4	(NA)	55.0	35.1	(NA)	
Metal	1,625	1,068	183	52.2	483.6	19.8	31.7	11.2	
Wood	1,106	895	1155	23.6	-22.5	13.5	26.5	70.4	
Other	19	2	3	850.0	-33.3	0.2	0.1	0.2	
Unknown	0	0	27	...	-100.0	0.0	0.0	1.6	

Source: 1990 CPH-6-CNMI, table105; HC80-1-A57A, Table 9; and 1990 CPH-6-CNMI, Table 105

Table 9.5 Material for Roof: 1967, 1980, and 1990

Type of Material	Number			Percent Change		Percent		
	1990	1980	1967	1980 to 1990	1967 to 1980	1990	1980	1967
Total	8,210	3,373	1,640	143.4	105.7	100.0	100.0	100.0
Concrete	3,952	1,125	149	251.3	655.0	48.1	33.4	9.1
Metal	4,064	2,019	1,405	101.3	43.7	49.5	59.9	85.7
Wood	124	206	(NA)	-39.8	(NA)	1.5	6.1	(NA)
Thatch	9	1	29	800.0	-96.6	0.1	0.0	1.8
Other	61	22	33	177.3	-33.3	0.7	0.7	2.0
Unknown		0	24	...	(NA)	0.0	0.0	1.5

Source: HC80-1-A57A, Table 9, 1967 Peace Corps Census, and 1990 CPH-6-CNMI, Table 105

Table 9.6 Plumbing Facilities: 1980 and 1990

Plumbing Facilities	Number		Percent Change	Percent	
	1990	1980	1980 to 1990	1990	1980
Total	8,210	3,373	143.4	100.0	100.0
With complete plumbing	5,920	1,693	249.7	72.1	50.2
With hot & cold water	2,849	1,020	179.3	34.7	30.2
With cold water only	3,071	673	356.3	37.4	20.0
Lacking complete plumb	2,290	1,680	36.3	27.9	49.8

Source: HC80-1-A57A, Table 9, and 1990 CPH-6-CNMI, Table 103

Table 9.7 Source of Water: 1980 and 1990

Source of Water	Number		Percent Change	Percent	
	1990	1980	1980 to 1990	1990	1980
Total	8,210	3,373	143.4	100.0	100.0
Public system only	5,462	3,107	75.8	66.5	92.1
Public system and catchment	2,236	...	...	27.2	0.0
Catchment, tanks, or drums only	267	4	6575.0	3.3	0.1
Individual well	123	143	-14.0	1.5	4.2
Public standpipe or street hydrant	6	9	33.3	0.1	0.3
Other source	116	110	5.5	1.4	3.3

Source: HC80-1-A57A, Table 9, and 1990 CPH-6-CNMI, Table 104

Table 9.8 Source of Water by Island: 1990

Source of Water	Total	Island			
		Saipan	Rota	Tinian	North. Is.
Total	8,210	7,251	519	429	11
Public system only	5,462	4,646	443	373	0
Public system and catchment	2,236	2,212	10	14	0
Individual well	123	121	1	1	0
Catchment, drums, or tanks only	267	151	65	41	10
Public standpipe or street hydrant	6	6	0	0	0
Some other source	116	115	0	0	1

Source: 1990 CPH-6-CNMI, Table 104

Table 9.9 Sewage Disposal by Island: 1990

Sewage Disposal	Numbers					Percent				
	Total	Sai-pan	Rota	Tin-ian	N. Is.	Total	Sai-pan	Rota	Tin-ian	N. Is.
Total	8,210	7,251	519	429	11	100.0	100.0	100.0	100.0	100.0
Public sewer	2,759	2,730	13	16	0	33.6	37.6	2.5	3.7	0.0
Septic tank/cesspool	3,951	3,310	379	262	0	48.1	45.6	73.0	61.1	0.0
Other means	1,500	1,211	127	151	11	18.3	16.7	24.5	35.2	100.0

Source: 1990 CPH-6-CNMI, Table 104

Table 9.10 Electricity, Cooking Facilities, and Refrigerator: 1980 and 1990

Characteristic	Number		Percent Change	Percent	
	1990	1980	1980 to 1990	1990	1980
Total	8,210	3,373	143.4	100.0	100.0
Electricity	7,481	3,173	135.8	91.1	94.1
Cooking Facilities	7,209	3,225	123.5	87.8	95.6
Refrigerator	6,787	2,695	151.8	82.7	79.9

Source: HC80-1-A57A, Table 9, and 1990 CPH-6-CNMI, Table 104

Table 9.11 Electric Power by Island: 1990

Electric Power	Numbers					Percent				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
Total	8,210	7,251	519	429	11	100.0	100.0	100.0	100.0	100.0
With electricity	7,481	6,699	412	370	0	91.1	92.4	79.4	86.2	0.0
No electricity	729	552	107	59	11	8.9	7.6	20.6	13.8	100.0

Source: 1990 CPH-6-CNMI, Table 104

Table 9.12 Air Conditioning by Island: 1990

Air Conditioning	Number					Percent				
	Total	Sai-pan	Rota	Tin-ian	N. Is.	Total	Sai-pan	Rota	Tin-ian	N. Is.
Total	8,210	7,251	519	429	11	100.0	100.0	100.0	100.0	100.0
None	3,974	3,379	303	281	11	48.4	46.6	58.4	65.5	100.0
Central system	299	278	9	12	0	3.6	3.8	1.7	2.8	0.0
Individual Room	2,175	1,970	109	96	0	26.5	27.2	21.0	22.4	0.0
2 or more room units	1,762	1,624	98	40	0	21.5	22.4	18.9	9.3	0.0

Table 9.13 Refrigerator by Island: 1990

Refrigerator	Numbers					Percent				
	Total	Sai-pan	Rota	Tin-ian	N. Is.	Total	Sai-pan	Rota	Tin-ian	N. Is.
Total	8,210	7,251	519	429	11	100.0	100.0	100.0	100.0	100.0
Electric	6,787	6,122	335	330	0	82.7	84.4	64.5	76.9	0.0
Gas	21	19	2	0	0	0.3	0.3	0.4	0.0	0.0
No refrigerator	1,402	1,110	182	99	11	17.1	15.3	35.1	23.1	100.0

Source: 1990 CPH-6-CNMI, Table 104

Table 9.14 Telephone, Radio, and Television by Island: 1990

Characteristic	Numbers					Percent				
	Total	Sai-pan	Rota	Tin-ian	N. Is.	Total	Sai-pan	Rota	Tin-ian	N. Is.
Total	8,210	7,251	519	429	11	...	...	...	...	...
No telephone	2,724	2,290	217	211	6	33.2	31.6	41.8	49.2	54.5
No radio	1,034	932	60	42	0	12.6	12.9	11.6	9.8	0.0
No television	1,500	1,278	114	102	6	18.3	17.6	22.0	23.8	54.5

Source: 1990 CPH-6-CNMI, Table 104

Table 9.15 Cooking Facilities by Island: 1990

Cooking Facilities	Numbers					Percent				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
Total	8,210	7,251	519	429	11	100.0	100.0	100.0	100.0	100.0
Cook fac inside bldg	7,209	6,472	361	373	3	87.8	89.3	69.6	86.9	27.3
Electric stove	5,375	4,870	251	254	0	65.5	67.2	48.4	59.2	0.0
Kerosene stove	489	459	11	19	0	6.0	6.3	2.1	4.4	0.0
Gas stove	672	621	29	22	0	8.2	8.6	5.6	5.1	0.0
Microwave oven and nonportable burners	24	24	0	0	0	0.3	0.3	0.0	0.0	0.0
Microwave oven only	6	6	0	0	0	0.1	0.1	0.0	0.0	0.0
Other	643	492	70	78	3	7.8	6.8	13.5	18.2	27.3
Cook fac outside bldg	490	375	77	30	8	6.0	5.2	14.8	7.0	72.7
Electric stove	125	105	12	8	0	1.5	1.4	2.3	1.9	0.0
Kerosene stove	82	69	10	3	0	1.0	1.0	1.9	0.7	0.0
Gas stove	71	59	10	2	0	0.9	0.8	1.9	0.5	0.0
Other	212	142	45	17	8	2.6	2.0	8.7	4.0	72.7
No cooking facilities	511	404	81	26	0	6.2	5.6	15.6	6.1	0.0

Source: 1990 CPH-6-CNMI, Table 104

Table 9.16 Rooms in unit: 1970, 1980, and 1990

Rooms	Number			Percent Change		Percent		
	1990	1980	1970	1980 to 1990	1970 to 1980	1990	1980	1970
	Total	8,210	3,373	1,598	143.4	111.1	100.0	100.0
1 room	677	156	176	334.0	-11.4	8.2	4.6	11.0
2 rooms	1,007	316	345	218.7	-8.4	12.3	9.4	21.6
3 rooms	1,524	639	333	138.5	91.9	18.6	18.9	20.8
4 rooms	1,975	886	274	122.9	223.4	24.1	26.3	17.1
5 rooms	1,714	852	247	101.2	244.9	20.9	25.3	15.5
6 rooms	790	359	152	120.1	136.2	9.6	10.6	9.5
7 rooms	265	98	35	170.4	180.0	3.2	2.9	2.2
8 or more rooms	258	67	36	285.1	86.1	3.1	2.0	2.3
Median	4.0	4.1	3.3	...	...	...	...	...

Source: 1990 CPH-6-CNMI, table 102; HC80-1-A57A, Table 9, and HC70, Part 58, Table 1

Table 9.17 Persons in Units: 1970, 1980, and 1990

Persons	Number			Percent Change		Percent		
	1990	1980	1970	1980 to 1990	1970 to 1980	1990	1980	1970
	Total	6,873	3,028	1,571	127.0	92.7	100.0	100.0
1 person	787	252	116	212.3	117.2	11.5	8.3	7.4
2 persons	1,021	359	161	184.4	123.0	14.9	11.9	10.2
3 persons	914	365	166	150.4	119.9	13.3	12.1	10.6
4 persons	1,052	389	169	170.4	130.2	15.3	12.8	10.8
5 persons	828	382	155	116.8	146.5	12.0	12.6	9.9
6 persons	761	318	126	139.3	152.4	11.1	10.5	8.0
7 persons	508	341	112	49.0	204.5	7.4	11.3	7.1
8 or more persons	1,002	622	566	61.1	9.9	14.6	20.5	36.0
Median	4.2	5.4	6.2	...	...	...	...	...

Source: HC80-1-A57A, Table 9; HC70, Part 58, Table 1; 1990 CPH-6-CNMI, table 102

Table 9.18 Persons per Room: 1970, 1980, and 1990

Persons per Room	Number			Percent Change		Percent		
	1990	1980	1970	1980 to 1990	1970 to 1980	1990	1980	1970
	Total	6,873	3,028	1,571	127.0	92.7	100.0	100.0
0.50 or less	1,191	464	175	156.7	165.1	17.3	15.3	11.1
0.51 to 0.75	830	351	114	136.5	207.9	12.1	11.6	7.3
0.76 to 1.00	1,704	581	233	193.3	149.4	24.8	19.2	14.8
1.01 to 1.50	1,489	629	205	136.7	206.8	21.7	20.8	13.0
1.51 or more	1,659	1,003	844	65.4	18.8	24.1	33.1	53.7
Median	1.13	1.10	1.08	...	...	...	...	...

Source: HC80-1-A57A, Table 9; HC70, Part 58, Table 1; 1990 CPH-6-CNMI, table 102

Table 9.19 Tenure and Persons per Occupied Housing Unit by Island: 1990

Occupied Housing Units	Total	Island			
		Saipan	Rota	Tinian	North Is.
Occupied housing units	6,873	6,085	416	366	6
Owner-occupied	2,981	2,535	246	194	6
Percent	43.4	41.7	59.1	53.0	100.0
Renter-occupied	3,892	3,550	170	172	0
Total persons	43,345	38,896	2,295	2,118	36
Persons in occupied units	31,856	27,940	2,006	1,874	36
Owner occupied	17,267	14,723	1,330	1,178	36
Renter occupied	14,589	13,217	676	696	0
Persons per occupied units	4.6	4.6	4.8	5.1	6.0
Owner-occupied	5.8	5.8	5.4	6.1	6.0
Renter-occupied	3.7	3.7	4.0	4.0	...

Source: 1990 CPH-6-CNMI, Table 100

Table 9.20 Value of Owner-occupied Housing Units by Island: 1990

Value	Numbers					Percent				
	Total	Sai-pan	Rot	Tin-ian	N. Is.	Total	Sai-pan	Rot	Tin-ian	N. Is.
Total	2,714	2,319	224	165	6	100.0	100.0	100.0	100.0	100.0
Less than \$10,000	73	69	3	1	0	2.7	3.0	1.3	0.6	0.0
\$10,000 to \$14,999	43	41	1	1	0	1.6	1.8	0.4	0.6	0.0
\$15,000 to \$19,999	36	34	2	0	0	1.3	1.5	0.9	0.0	0.0
\$20,000 to \$29,999	108	98	6	4	0	4.0	4.2	2.7	2.4	0.0
\$30,000 to \$39,999	78	63	12	3	0	2.9	2.7	5.4	1.8	0.0
\$40,000 to \$49,999	46	35	9	2	0	1.7	1.5	4.0	1.2	0.0
\$50,000 to \$59,999	162	141	20	1	0	6.0	6.1	8.9	0.6	0.0
\$60,000 to \$69,999	54	46	7	1	0	2.0	2.0	3.1	0.6	0.0
\$70,000 to \$79,999	100	90	10	0	0	3.7	3.9	4.5	0.0	0.0
\$80,000 to \$89,999	66	53	12	1	0	2.4	2.3	5.4	0.6	0.0
\$90,000 to \$99,999	26	23	3	0	0	1.0	1.0	1.3	0.0	0.0
\$100,000 to \$149,999	467	395	50	20	2	17.2	17.0	22.3	12.1	33.3
\$150,000 to \$199,999	258	215	29	13	1	9.5	9.3	12.9	7.9	16.7
\$200,000 to \$299,999	400	337	27	36	0	14.7	14.5	12.1	21.8	0.0
\$300,000 to \$399,999	248	202	13	33	0	9.1	8.7	5.8	20.0	0.0
\$400,000 to \$499,999	59	48	0	11	0	2.2	2.1	0.0	6.7	0.0
\$500,000 or more	490	429	20	38	3	18.1	18.5	8.9	23.0	50.0

Source: 1990 CPH-6-CNMI, Table 106

Table 9.21 Contract Rent by Island: 1990

Contract Rent	Numbers				Percent			
	Total	Saipan	Rota	Tinian	Total	Saipan	Rota	Tinian
Total	3,892	3,550	170	172	100.0	100.0	100.0	100.0
Less than \$100	147	125	13	9	3.8	3.5	7.6	5.2
\$100 to \$149	147	131	3	13	3.8	3.7	1.8	7.6
\$150 to \$199	146	129	4	13	3.8	3.6	2.4	7.6
\$200 to \$249	130	128	1	1	3.3	3.6	0.6	0.6
\$250 to \$299	125	120	2	3	3.2	3.4	1.2	1.7
\$300 to \$349	112	104	3	5	2.9	2.9	1.8	2.9
\$350 to \$399	125	115	3	7	3.2	3.2	1.8	4.1
\$400 to \$449	104	103	1		2.7	2.9	0.6	0.0
\$450 to \$499	112	107	2	3	2.9	3.0	1.2	1.7
\$500 to \$599	189	178	2	9	4.9	5.0	1.2	5.2
\$600 to \$699	187	170	9	8	4.8	4.8	5.3	4.7
\$700 to \$799	170	165	3	2	4.4	4.6	1.8	1.2
\$800 to \$899	105	101	2	2	2.7	2.8	1.2	1.2
\$900 to \$999	113	110	2	1	2.9	3.1	1.2	0.6
\$1000 to \$1999	222	218	4	0	5.7	6.1	2.4	0.0
\$2000 or more	27	26	0	1	0.7	0.7	0.0	0.6
No cash rent	1,731	1520	116	95	44.5	42.8	68.2	55.2
Median (dollar)	470	478	367	292	...	...	...	...
Mean (dollar)	558	566	441	417	...	...	...	...

Source: 1990 CPH-6-CNMI, Table 109

Chapter 10

Transportation and Communication

Summary of Transportation and Communication

The number of registered vehicles in the Commonwealth increased from 1990 to 1993. In Saipan the number of new registrations was highest (3,572) in 1990 and declined to only 1,676 in 1993. Renewals, as expected, increased annually. Number of registered heavy equipment vehicles in Saipan increased annually during this period. The number of vehicles increased also in Rota and Tinian.

There were more vehicles to a family in the Commonwealth in 1990, compared to 1980. A higher proportion (33.9 percent) of all families in 1990 had three or more cars than in 1980. And a smaller proportion of all families in 1990, compared to 1980, had no vehicle.

Although the reported number may contain some inaccuracies, the number of government vehicles increased drastically after 1990.

The number of sea vessels in Saipan increased annually since 1988. Most of the increase was in the number of vessels for subsistence and/or recreational fishing and in the number of part-time commercial vessels.

Since 1982, the number of installed telephones increased annually. Both residential and business telephones increased. In the last few years, the number of business phones increased faster than the number of residential telephones.

Table 10.1 Number of Registered Vehicles in Saipan: 1990-93

Type of Vehicle	Year			
	1993	1992	1991	1990
Saipan	17,249	17,372	15,708	13,746
New registration	1,676	2,180	3,300	3,572
Renewal	14,526	14,386	11,714	9,657
Heavy equipment	1,047	806	694	517

Source: Bureau of Motor Vehicle

Table 10.2 Type and Number of Vehicles in Tinian

Type of Vehicle	Year	
	1993	1992
All vehicles	853	332
Sedan, jeep, wagon, pickup, and van	654	235
Heavy equipment	44	50
Moped	146	44
Bus	9	3

Source: Bureau of Motor Vehicle, Tinian

Table 10.3 Type and Number of Vehicles in Rota

Type of Vehicle	Year	
	1993	1992
All vehicles	1,038	1,004
Sedan and wagon	396	383
Pickup including 4x4	480	452
Moped, scooter	4	6
Bicycle	7	5
Buses	4	3
Heavy equipment	44	46
Clergy	3	1
Handicapp	1	2
Passenger van	21	28
Flatbed truck	1	8
Jeep	73	66
Motorcycle	3	3
Others	1	1

Source: Bureau of Motor Vehicle, Rota

Table 10.4 Motor Vehicle Registration: 1986 to 1990

Types of Vehicles	Year				
	1990	1989	1988	1987	1986
Total	7,347	8,386	5,392	6,810	6,239
Sedans, Jeeps, Station wagons	4,563	5,114	3,332	4,730	4,062
Vans and Minibuses	270	315	167	145	108
Commercial buses	35	48	46	65	56
Trucks	2,392	2,830	1,785	1,748	1,944
Light pickups and trucks	2,295	2,420	1,605	1,671	1,784
Farm	0	31	0	0	0
Heavy equipment	97	378	180	71	149
Combination	0	1	0	6	11
Mopeds and motorcycles	87	79	62	122	71
Up to 100 cc	49	41	53	77	30
Over 100 cc	38	38	9	45	41

Source: Department of Public Safety, Motor Vehicle Bureau

Table 10.5 Vehicles Available by Island: 1990

Vehicles Available	Island									
	Number					Percent				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
Total	6,873	6,085	416	366	6	100.0	100.0	100.0	100.0	100.0
None	1,026	870	69	81	6	14.9	14.3	16.6	22.1	100.0
1	3,521	3,116	213	192	0	51.2	51.2	51.2	52.5	0.0
2	1,641	1,492	93	56	0	23.9	24.5	22.4	15.3	0.0
3 or more	685	607	41	37	0	10.0	10.0	9.9	10.1	0.0

Source: 1990 CPH-6-CNM, Table 104

Table 10.6 Vehicles Available by Island: 1980

Vehicles Available	Island									
	Numbers					Percent				
	Total	Saipan	Rota	Tinian	N. Is.	Total	Saipan	Rota	Tinian	N. Is.
Total	3,028	2,632	233	150	13	100.0	100.0	100.0	100.0	100.0
None	459	338	79	30	12	15.2	12.8	33.9	20.0	92.3
1	1,816	1,601	109	105	1	60.0	60.8	46.8	70.0	7.7
2	577	534	33	10	0	19.1	20.3	14.2	6.7	0.0
3 or more	176	159	12	5	0	5.8	6.0	5.2	3.3	0.0

Source: HC80-1-B57A, Table 10

Table 10.7 Registered and Inspected Government Vehicles by Type and Year: 1980 to 1993

YEAR	Total	Motor-				Trucks & H.E.	Station- wagon	Van	Bus
		cycle	Sedan	Jeep	Pickup				
1993	573	6	184	17	181	45	64	38	38
1992	590	3	212	22	202	46	41	41	23
1991	597	8	184	41	208	59	43	30	24
1990	187	0	69	8	61	36	6	7	0
1989*	104	4	27	24	25	11	8	5	0
1988	348	3	106	19	142	16	27	18	17
1987	31	0	8	2	15	3	1	2	0
1986	30	3	15	0	6	0	4	1	1
1985	17	0	7	1	6	0	1	2	0
1984	28	0	6	1	7	0	1	0	13
1983	8	0	3	1	3	0	1	0	0
1982	3	0	0	0	3	0	0	0	0
1981	3	0	1	0	1	1	0	0	0
1980	1	0	0	0	0	1	0	0	0

Source: Division of Procurement & Supply

*Figure is as of 1st quarter of 1989.

Table 10.8 Vessel Inventory for Saipan: 1988 to 1992

Type of Vessel	Year				
	1992	1991	1990	1989	1988
Total	497	482	391	313	224
Subsistence/Recreational Fishing	227	211	174	155	103
Part-time commercial fishing	138	89	83	56	34
Full-time commercial fishing	64	52	41	46	32
Charter Fishing	39	27	20	0	0
Non-fishing boat	29	68	70	54	55
Unspecified	0	35	3	0	0

Source: Fish and Wildlife Division

Table 10.9 Number of Installed Telephones by
Type of Subscribers: 1982 to 1993

Year	Total	Residential Subscribers	Business Subscribers
1993	13,618	6,919	6,699
1992	12,971	6,999	5,972
1991	12,240	6,761	5,479
1990	9,773	5,264	4,509
1989	7,232	3,826	3,406
1988	5,634	3,334	2,300
1987	5,022	2,819	2,203
1986	4,576	2,870	1,706
1985	2,389	1,264	1,125
1984	2,245	1,214	1,031
1983	1,829	1,012	817
1982	1,603	879	724

Source: Micronesian Telecommunications Corporation

Chapter 11

Finance, Business Establishments
and Trade

Summary of Finance, Business Establishments and Trade

Banking activities in the Commonwealth, in nominal dollars, increased annually from 1986 to 1991. Generally, annual growth rate was high from 1986 to 1990, but was low from 1990 to 1991.

According to the 1987 Economic Census, there were 39 manufacturing business establishments, including 16 garment manufactures; 383 retail trade establishments; 246 business establishments in the service industries, including 17 hotels; 72 construction and supplies establishments and 28 wholesale trade establishments in the Commonwealth in 1987. A total of 9,090 employees worked in these establishments in selected industries that year: 25 percent of these employees were in the service industry, 25 percent were in retail trade, 24 percent were in manufacturing, and 23 percent were in construction and supplies industry.

From 1988 to 1991, imported commodities in nominal US dollars, increased annually. Food stuff, cigarettes, autoparts, household appliance and building materials steadily increased during this period. The value of imported passenger vehicles increased from 1988 to 1990, but dropped from 1990 to 1991. The value of imported jewelry almost doubled during this period.

In-bound ocean cargo into the CNMI, in revenue tons, increased annually from FY 1980 to FY 1991. Out-bound ocean cargo mostly fluctuated from year to year during this period, with a definite increasing trend.

Table 11.1 Aggregated Banking Activities: 1986 to 1991
(Values in millions of dollars)

Banking Activity	Year					
	1991	1990	1989	1988	1987	1986
Deposits	480.4	473.0	326.8	223.1	161.5	65.0
Demand	113.2	127.3	94.0	55.4	47.1	23.3
Regular savings	175.1	105.2	75.5	57.5	41.4	17.4
TCDs	192.1	240.5	157.3	110.2	73.0	24.3
Loans	148.7	121.5	107.1	88.7	78.1	114.6
Consumer	64.1	52.6	43.4	38.9	32.0	49.7
Commercial	76.4	63.9	57.4	40.4	34.7	52.2
Real estate, mortgage inst., home improvement	4.9	1.4	2.0	6.5	6.1	10.3
Non-Local	0.0	0.0	0.4	0.7	0.0	0.0
Government	3.3	3.6	3.8	2.2	5.3	2.4
Interest paid	38.4	34.9	28.3	19.2	11.2	17.3
All deposit accounts	23.7	22.1	14.1	10.1	5.2	8.1
By borrowers	14.7	12.8	14.2	9.1	6.0	9.2
Commonwealth dev. authority	3.4	4.4	6.0	1.8	1.5	6.5
Direct loans	3.4	4.1	5.9	0.8	1.1	6.1
Guarantee loans	0.0	0.3	0.1	1.0	0.4	0.4

Source: Department of Commerce and Labor, Banking Division, CDA

Table 11.2 Number of Business Establishments and Number of Employees in Selected Industries in the CNMI: 1987

Industry	Establishments		Employees	
	Number	Percent	Number	Percent
Total	768	100.0	9,090	100.0
Manufacturing	39	5.1	2,257	24.8
Garment	16	2.1	2,045	22.5
Wholesale trade	28	3.6	187	2.1
Retail trade	383	49.9	2,304	25.3
Restaurant	70	9.1	396	4.4
Night Clubs and Bars	35	4.6	307	3.4
Construction and supplies	72	9.4	2,061	22.7
Service industries	246	32.0	2,281	25.1
Hotel	17	2.2	904	9.9
Professional services	28	3.6	72	0.8

Source: 1987 Economic Census

Table 11.3 Import Commodities by Standard International Trade
Classification: FY 1988 to FY 1991
(FOB Value in US \$000)

Commodity	Year			
	1991	1990	1989	1988
Total	392,670	342,217	315,201	220,246
Food	54,407	48,196	35,783	30,192
Beverages and tobacco	21,158	23,013	17,599	13,667
Crude Materials	16	126	50	0
Mineral fuels	81,785	57,552	60,371	28,532
Chemicals	9,111	9,658	8,826	9,381
Manufactured goods	45,778	31,632	35,401	11,581
Machinery/transport	86,992	102,565	94,176	33,553
Misc. manufacture	34,626	24,773	20,858	16,980
Unassigned commodities	58,797	44,702	42,137	76,360

Source: Division of Customs Service

Table 11.4 Selected Import Commodities: FY 1988 to FY 1991
(Imports in \$000)

Commodity	1991	1990	1989	1988
Total	391,598	342,218	315,195	220,247
POL products	81,785	57,552	60,371	28,532
Building Materials	52,079	42,506	41,223	31,034
Food stuff	54,407	48,194	37,935	29,864
Passenger vehicles	52,078	78,452	39,688	18,736
Household Appliance	3,290	2,534	2,159	2,034
Beer	1,667	6,193	5,568	4,542
Auto parts	3,611	2,712	2,028	1,442
Cigarettes	8,832	6,963	5,531	4,363
Jewelry	10,749	7,224	6,955	5,290
All Other	123,100	89,888	113,737	94,410

Source: Division of Customs Services

Table 11.5 Inbound and Outbound Ocean Cargo: FY 1980 to FY 1991

Fiscal Year	Inbound Ocean Cargo		Outbound Ocean Cargo	
	Revenue Tons	Percent Change	Revenue Tons	Percent Change
1991	611,638	53.8	91,966	64.4
1990	397,560	34.9	55,947	104.2
1989	294,774	12.9	27,402	-11.8
1988	261,195	24.2	31,060	-6.5
1987	210,321	20.8	33,214	-35.7
1986	174,077	31.5	51,691	99.5
1985	132,358	24.7	25,907	-10.0
1984	106,129	52.6	28,788	65.5
1983	69,566	14.7	17,391	14.7
1982	60,647	-3.0	15,162	-3.0
1981	62,491	0.8	15,623	0.9
1980	61,967	...	15,491	...

Source: Commonwealth Port Authority Records

Table 11.6 Value of Major Commodities Imported: 1988 to 1991
(In millions of dollars)

Commodity	1991	1990	1989	1988
Total	391.6	342.3	315.2	220.1
Food items	54.4	48.2	37.9	29.9
Construction materials	52.1	42.5	41.2	31.0
Automobiles and parts	55.7	81.2	41.7	20.1
Beverages	1.7	6.2	5.6	4.5
Petroleum products	81.8	57.6	60.4	28.5
Cigarettes	8.8	7.0	5.5	4.4
All other	137.1	99.6	122.9	101.7

Source: Division of Custom Services

Table 11.7 Gross Revenue Tons and Container Trends at Saipan's Port: 1979 to 1993

Year	Gross Revenue Tons		Containers	
	Amount	% Growth	Number	% Growth
1993	563,494	13.8	12,908	-6.0
1992	495,018	-29.6	13,738	92.5
1991	703,604	55.1	7,137	-23.3
1990	453,507	40.8	9,307	2.9
1989	322,175	10.2	9,042	-18.9
1988	292,255	20.0	11,151	30.6
1987	243,536	4.0	8,536	54.8
1986	234,266	48.0	5,515	27.8
1985	158,266	17.3	4,317	14.0
1984	134,918	55.2	3,788	22.3
1983	86,957	14.7	3,097	21.7
1982	75,809	3.0	2,545	-2.9
1981	78,114	0.8	2,622	16.2
1980	77,458	-2.1	2,257	-7.2
1979	79,120	...	2,432	...

Source: Touche Ross and Commonwealth Ports Authority

Chapter 12

Fishing and Agriculture

Summary of Fishing and Agriculture

In calendar year 1993, over 298,000 pounds of fish were caught and sold in the Commonwealth at an average price of \$2.08 per pound. Reef fish was the largest common species landed in 1993, followed by skipjack tuna, and dolphin (mahi mahi). The total weight landed in 1993 was less than 1992 total weight landed of almost 311,000 pounds, sold at an average price of \$1.98 per pound. In 1992, reef fish was the largest common species landed, followed by skipjack tuna, troll fish, dolphin (mahi mahi), and yellow fin, respectively.

The CNMI is a net importer of fish: from 1989 to 1992 fish products imported into the CNMI increased annually, at very high rates. According to Fish and Wildlife Division, the CNMI imported about 1.2 million pounds of fish products in 1992. The total fish products imported, however, dropped to below 700,000 pounds in 1993. From 1987 to 1992, Palau by far, was the largest single source of fish imports into the CNMI. In 1993, however, the Philippines was the largest single source of fish imports and Palau was second. Imports from other places were relatively small, compared to Palau and the Philippines.

In 1990, there were 346 farms in the CNMI; the average size of a farm was 48 acres. The approximate land area was 117,760 acres. There were 281 farms with crops; 36 farms had cattle for a total of 4,513 cattle; 66 farms had pigs and hogs with a total of 1,260 animals; 21 farms had goats with a total of 482 animals. Thirty seven of the livestock farms sold livestock products worth a total of \$367,883.

There were 81 farms that had poultry; six of these farms sold poultry worth a total of \$6,630; and eight of these farms sold poultry and eggs worth a combined total of \$12,115 in 1990.

Table 12.1 Amount and Value of CNMI Commercial Fish Landing
by Common Species, 1993

Common Species	Weight (lb)	Value (\$)	Price per lb.
Total	298,384	621,927	2.08
Bigeye scad (atulai)	3,647	8,212	2.25
Jacks	363	923	2.54
Bottom fish	5,644	15,345	2.72
Gindai (flower snap)	186	731	3.94
Grouper	917	2,601	2.84
Onaga (red snapper)	474	2,077	4.38
Opakapaka (pink snp)	718	2,127	2.96
Reef fish	118,431	289,496	2.44
Wrasse	346	1,008	2.91
Rabbitfish (hitting)	1,283	2,814	2.19
Rudderfish (guilli)	138	341	2.48
Emperor (mafute)	6,467	13,506	2.09
Squirrelfish	15	30	2.00
Parrotfish	9,749	17,485	1.79
Surgeonfish	1,867	3,487	1.87
Unicornfish	24	51	2.09
Goatfish	647	1,348	2.08
Troll Fish	16,232	26,825	1.65
Barracuda	27	54	2.00
Dolphin (mahimahi)	29,993	47,684	1.59
Marlin	2,950	3,036	1.03
Spearfish	309	378	1.22
Sailfish	96	241	2.50
Rainbow runner	644	1,156	1.80
Wahoo	2,253	4,265	1.89
Tuna	833	1,387	1.67
Skipjack tuna	77,673	133,016	1.71
Dogtooth tuna	1,979	4,285	2.17
Yellow fin tuna	11,905	26,476	2.22
Invertebrates	101	629	6.23
Lobster	2,393	10,769	4.50
Octopus	79	144	1.81

Source: Fish and Wildlife Division, DNR

Table 12.2 Amount and Value of CNMI Commercial Fish Landing
by Common Species, 1992

Species	Weight (lb)	Value (\$)	Price per lb.
Total	310,782	613,804	1.98
Bigeye scad (atulai)	1,487	3,821	2.57
Jacks	269	729	2.71
Mullet	49	97	1.99
Bottom Fish	4,448	10,828	2.43
Grouper	1,418	4,250	3.00
Onaga (red snapper)	17	102	6.00
Opakapaka (pink snp)	109	270	2.47
Reef Fish	121,714	236,642	1.94
Wrasse	44	131	3.01
Rabbitfish (hitting)	2,521	6,903	2.74
Rudderfish (guilli)	1,073	2,518	2.35
Emperor (mafute)	1,886	4,854	2.57
Squirrelfish	233	475	2.04
Parrotfish	7,761	21,369	2.75
Snapper	360	360	1.00
Surgeonfish	719	1,504	2.09
Unicornfish	836	2,071	2.48
Goatfish	531	1,157	2.18
Troll Fish	29,570	47,190	1.60
Barracuda	138	145	1.05
Dolphin (mahimahi)	21,462	45,363	2.11
Marlin	5,345	6,040	1.13
Sailfish	101	223	2.19
Rainbow runner	991	1,731	1.75
Wahoo	13,738	30,926	2.25
Tuna	277	510	1.84
Skipjack tuna	65,982	117,654	1.78
Dogtooth tuna	4,416	8,076	1.83
Yellow fin tuna	20,672	48,071	2.33
Lobster	2,240	8,701	3.88
Octopus	369	1,058	2.87
Shrimp (saltwater)	8	37	4.60

Source: Fish and Wildlife Division, DNR

Table 12.3 Commercial Fish Purchases: 1990

Species	Average Price/lb	Weight (Pounds)	Value (Dollars)
Total	1.51	504,823	760,691
Troll fish	1.30	229,427	299,142
Assorted	1.60	249	398
Yellow fin tuna	1.70	8,087	13,766
White tuna	1.65	2,974	4,901
Wahoo	1.56	1,257	1,961
Mahi mahi	1.48	5,856	8,689
Barracuda	1.38	137	189
Rainbow runner	1.75	142	249
Marlin	1.33	4,563	6,084
Skipjack	1.28	206,162	262,905
Reef fish	1.59	251,882	401,750
Assorted	1.56	206,563	322,020
Atulai	2.00	11,614	23,221
Goat fish	1.50	1,591	2,380
Rudderfish	2.06	746	1,540
Hitting	1.96	6,697	13,135
Surgeonfish	1.58	10,720	16,938
Parrotfish	1.61	13,115	21,169
Unicorn	1.61	823	1,324
Wrasse	1.77	13	23
Bottom fish	2.37	19,100	45,220
Assorted	2.20	12,713	28,001
Onaga	4.39	1,982	8,710
Opakapaka	2.10	430	902
Gindai	1.96	805	1,579
Mafute	1.90	3,170	6,028
Invertebrates	3.30	4,414	14,579
Lobster	3.32	4,358	14,464
Octopus	2.05	56	115

Source: Fish and Wildlife Division, DNR

Table 12.4 Commercial Fish Purchases: 1989

Species	Average Price/lb	Weight (Pounds)	Value (Dollars)
Total	1.67	356,132	595,510
Troll Fish	1.63	144,863	235,520
Assorted	3.00	226	678
Yellow fin Tuna,	2.49	8,374	20,854
White Tuna	2.27	4,070	9,222
Wahoo	2.33	2,770	6,449
Mahi Mahi	2.08	8,306	17,285
Barracuda	1.77	398	703
Rainbow Runner	2.29	173	396
Marlin	1.15	1,748	2,012
Skipjack	1.50	118,798	177,921
Reef fish	1.62	191,845	311,475
Assorted	1.58	172,151	271,915
Atulai	2.18	3,937	8,584
Goat fish	2.20	1,204	2,643
Rudderfish	2.24	805	1,801
Hiting	2.19	4,595	10,077
Surgeonfish	1.67	3,467	5,788
Parrotfish	1.98	4,007	7,920
Unicorn	1.63	1,652	2,693
Wrasse	2.00	27	54
Bottom fish	2.20	15,470	34,074
Assorted	1.92	10,733	20,629
Onaga	5.51	202	1,114
Opakapaka	2.92	502	1,464
Gindai	3.22	314	1,012
Mafute	2.65	3,719	9,855
Invertebrates	3.65	3,954	14,441
Lobster	3.68	3,895	14,338
Octopus	1.75	59	103

Source: Fish and Wildlife Division, DNR

Table 12.5 Pounds of Fish Products Imported by Month:1987 to 1993

Month	Year						
	1993	1992	1991	1990	1989	1988	1987
Total	677,613	1,193,668	342,290	167,583	77,846	96,891	109,223
January	64,209	44,614	9,871	15,806	3,893	1,850	2,292
February	56,496	65,897	7,204	23,250	5,699	5,066	13,200
March	69,990	191,367	12,252	28,043	6,370	5,531	21,968
April	38,917	261,742	32,414	11,214	2,418	7,110	20,517
May	51,098	360,790	36,852	11,992	4,824	16,517	5,242
June	61,103	12,084	35,685	9,644	3,199	2,438	3,195
July	59,212	31,662	47,861	15,467	14,124	6,762	1,063
August	63,731	30,558	35,185	10,115	5,534	13,993	7,513
September	56,753	23,419	24,490	7,901	4,667	12,519	10,948
October	34,069	58,275	44,784	12,167	9,555	6,532	10,621
November	42,502	37,499	24,880	19,171	5,170	3,771	4,416
December	79,533	75,761	30,812	2,813	12,393	14,802	8,248

Source: Fish and Wildlife Division, DNR

Table 12.6 Pounds of Fish Products Imported by Country of Origin:1987 to 1993

Country of Origin	Year						
	1993	1992	1991	1990	1989	1988	1987
Total	677,613	1,193,668	342,290	167,583	77,846	96,891	109,223
Palau	236,577	678,561	189,461	64,620	28,536	43,988	83,692
Philippines	328,728	191,059	74,132	50,901	18,247	10,081	791
Guam	48,069	46,279	28,883	18,065	10,635	15,202	5,689
Truk	16,793	33,529	16,009	8,902	5,839	17,778	12,753
Yap	18,597	92,557	4,417	2,490	3,472	2,312	2,690
Pohnpei	11,705	87,004	14,667	19,249	7,540	2,170	2,559
Japan	10,995	4,629	3,448	1,543	1,505	3,064	286
Hong Kong	4,705	2,291	4,179	714	1,915	*	*
U.S.A.	851	2,766	1,288	0	*	272	*
Kosrae	535	331	377	469	62	*	416
Marshalls	44	188	2,021	543	*	23	47
Korea	0	2	*	87	*	*	100
Taiwan	0	0	130	0	40	*	*
Bali	0	100	0	0	0	0	0
New Zealand	14	0	0	0	0	0	0
Unknown	0	54,372	3,279	0	55	2,001	200

Source: Fish and Wildlife Division, DNR

* Included in Unknown category.

Table 12.7 Farms, Land in Farms, and Land Use: 1990 and 1980

Land Use	1990		1980	
	Number of Farms	Farm size (acres)	Number of Farms	Farm size (acres)
Farms	346	...	299	...
Land in farms ¹	...	16,442	...	12,187
Average size of farm	...	48	...	41
Approximate land area	...	117,760	...	117,760
Proportion in farms (percent)	...	14.0	...	10.3
Cropland	281	5,235	289	2,643
Used for crops	270	769	280	950
Used for other purposes	80	4,466	146	1,693
Pastureland, except cropland pastured	124	5,534	129	8,706
Other land	218	5,673	132	839

Source: 1990 Census of Agriculture, AC87-A-56, Table 1, Page 25

Detail may not add to total due to rounding

Table 12.8 Number of Livestock Farms, Livestock Products and Sales in 1989

Livestock	No. of farms	No. of Livestock	Sales		
			No. of farms	No. of Livestock	Amount of sales (\$)
Cattle and calves of all ages	36	4,513	14	702	329,598
Milk cows	6	80	...	22	13,200
Other cattle and calves	33	4,433	...	680	316,398
Hog and pigs of all ages	66	1,260	28	360	33,565
Goats and kids of all ages	21	482	3	8	(D)
Horses, mules, and colts of all ages	2	(D)	1	(D)	(D)
Other livestock	4	32	1	(D)	(D)
Livestock sales	...	...	37		367,383

Source: 1990 Census of Agriculture, AC87-A-56, Table 8

Table 12.9 Number of Poultry Farms, Poultry Products, and Sales in 1989: 1990

Poultry & Products	No. of farms	No. of poultry	Sales		
			No. of farms	No. of poultry	Amount of sales (\$)
Chickens	63	9,580	6	1,305	6,690
Other poultry	18	562	1	(D)	(D)
Chicken egg sales	...	...	2	...	(D)
Poultry and egg sales	...	...	8	...	12,115

Source: 1990 Census of Agriculture, AC87-A-56, Table 8

Chapter 13

Revenues

Summary of Revenues

The total amount of revenues received by the CNMI government increased from a little over \$124 million in FY1990 to over \$147 million in FY1991, but declined slightly in FY1992 and FY1993. Although FY1993 locally generated revenue surpassed the 1992 level, the CNMI did not receive Covenant funds for operations in FY 1993, hence, total revenue was lower than in 1992. During this period, almost all revenue items fluctuated from year to year, but hospital fees, user fee tax, and hotel room tax increased, annually.

Business gross revenues, in nominal dollars, increased from calendar year 1990 to 1991, but declined from 1991 to 1992. While most major activities followed this general fluctuation, the garment industry, hotel, retail trade, eating and drinking places, wholesale, shipping and gas service stations recorded steady increase during this period.

In 1992, a total of \$366,972,372 was paid in wages and salary in the CNMI. By selected activities, the Government paid the highest total amount of wages and salary, followed by Garment, Construction, Retail Trade, and Hotels.

The tables in this chapter show revenue and wage and salary figures in the CNMI in recent years.

Table 13.1 CNM Revenue by Sources in Nominal Dollars: FY 90 to FY 93

Sources	Fiscal Year			
	1993	1992	1991	1990
Total Revenue	138,112,924	144,904,964	147,042,557	123,837,201
Internal Sources	138,112,924	134,574,964	136,042,557	110,837,201
NMTIT Income Tax	5,079,080	3,173,386	3,560,841	2,520,556
Wage & Salary Tax	18,744,580	18,532,151	16,862,414	14,155,440
Gross Receipt Tax	58,525,684	56,512,117	60,249,284	46,358,093
Excise Tax	16,634,313	17,187,776	17,344,867	16,389,892
User Fee Tax	8,906,721	8,250,108	7,872,473	6,256,251
Beverage Container Tax	1,326,145	1,371,832	1,333,226	1,268,749
Liquid Fuel Tax	3,051,171	3,828,103	4,087,033	3,127,109
Hotel Room Occupancy Tax	6,951,415	6,479,692	5,342,366	4,601,852
Business License Fees	304,432	573,813	352,233	334,620
Hospital Fees	6,591,090	4,035,969	2,541,362	2,622,144
Immigration Fees	1,429,132	609,390	808,627	458,700
Other Internal Resources	10,569,161	14,020,627	15,687,831	12,743,795
Other Source				
Covenant Funds for Operations	0	10,330,000	11,000,000	13,000,000

Source: Department of Finance

Table 13.2 Reported Business Gross Revenue in Dollars by Business Activity: 1990 to 1992

Business Activity	Calendar Year		
	1992	1991	1990
Total	1,435,696,815	1,494,446,307	1,179,936,923
Agriculture/fishing	1,457,210	6,649,359	913,467
Air transportation	2,626,396	6,099,481	3,814,571
Banking	10,091,507	14,626,900	20,495,446
Construction	105,891,449	125,621,799	80,036,919
Garment manufacturing	272,796,363	263,439,221	162,541,339
Hotels/Motels	117,462,524	93,931,951	87,812,018
Manufacturing	5,706,285	8,362,536	9,485,529
Restaurants/bars	38,101,707	36,154,654	29,896,311
Retail trade	283,141,294	264,191,944	162,103,618
Shipping	10,807,844	10,342,730	7,142,126
Wholesale trade	103,286,196	81,771,564	72,331,762
Professional Service	34,626,786	36,057,759	29,438,910
Petroleum	13,494,307	12,824,390	14,146,715
Land lease	16,078,802	71,079,735	134,202,469
Transportation services	10,899,264	9,427,569	29,036,243
Gas service stations	10,674,846	8,863,346	6,365,394
Freight Forwarders	2,171,872	3,173,513	1,310,415
Other	396,382,164	441,827,857	328,863,669

Source: Department of Finance

Table 13.3 Reported Wage and Salary by Selected
Activity: Calendar Year 1992

Wages and Salary	Amount(\$)
Total	366,972,372
Government	78,599,745
Retail trade	29,310,112
Construction	36,159,862
Hotels	23,346,743
Banking and finance	3,312,737
Wholesalers	6,536,406
Garment manufacturing	51,710,837
Petroleum	1,032,154
All others	136,963,775

Source: Department of Finance

Chapter 14

Price Index

Summary of Price Index

The consumer price index increased in almost all quarters since 1988, except for the second quarter of 1990, third quarter of 1991, and 4th quarter of 1992. The base year for the CNMI price index is 1977 third quarter prices. By major consumer commodity group, the health and recreation index increased faster than all other commodity group indexes, followed by the transportation index. Indexes for food, apparel, and housing increased, but at comparatively lower rates.

Table 14.1 Consumer Price Index: 1977.3 to 1993.4
 Weighted
 (1977.3 = 100)

Year and Quarter	Total	Food	Housing	Apparel and Upkeep	Trans- portation	Health and Recreation
1977.3	100.0	100.0	100.0	100.0	100.0	100.0
1988.2	177.8	162.4	161.3	146.6	184.8	271.8
1988.3	178.6	163.7	161.7	146.6	185.2	272.7
1988.4	182.3	165.3	164.6	146.6	182.5	290.9
1989.1	188.4	166.4	183.8	159.5	183.4	295.0
1989.2	188.5	165.8	181.3	160.5	192.2	295.5
1989.3	190.2	164.8	186.2	166.2	188.7	302.9
1989.4	193.7	167.9	190.8	181.8	187.3	301.0
1990.1	195.8	172.4	191.1	181.8	191.4	297.4
1990.2	194.6	170.8	190.0	181.8	189.5	297.4
1990.3	200.2	173.4	187.4	187.4	205.4	319.1
1990.4	206.7	177.0	184.6	194.3	240.6	331.4
1991.1	214.4	187.5	195.0	173.6	242.6	347.8
1991.2	215.5	184.9	190.2	199.5	239.7	355.9
1991.3	214.4	189.1	184.3	203.8	236.6	340.5
1991.4	215.4	190.6	186.6	203.8	236.3	339.3
1992.1	225.4	187.4	186.5	204.4	244.5	417.5
1992.2	227.4	187.0	191.7	209.2	248.0	421.0
1992.3	239.5	201.6	201.2	185.2	252.1	456.5
1992.4	239.3	198.4	200.7	189.5	251.3	464.4
1993.1	240.1	199.1	200.5	191.5	258.6	462.7
1993.2	240.6	199.3	200.2	192.2	261.7	463.9
1993.3	244.3	203.9	204.3	192.2	263.1	467.4
1993.4	247.7	203.8	209.2	194.3	263.8	483.2

Source: DCL-Central Statistics Division

Chapter 15

Land Use

Summary of Land Use

The biggest island, among the fourteen islands in the CNMI, is Saipan, followed by Tinian, then Rota. The highest peak in the CNMI is in Agrihan, 3,166 feet above sea level. Most of the land mass in the Commonwealth is public land, only about 27 percent of total land area is privately owned.

According to Marianas Public Land Corporation's Annual Report for 1990 and 1991, of the 5,512.83 hectares public land, about 35 percent of total public land was set aside for conservation and wildlife; about 31 percent was for temporary agriculture grazing; about 9.7 percent was being used for public facilities; about 8.7 percent was used for village homestead; 3.9 percent was used for resort hotels with golf courses; 3.8 percent was for proposed new golf courses; 2.6 percent was for transportation; 2.4 was reserved for land exchanges; 1.7 percent was for commercial lease; 1.3 was used for hotel leases; and 9.1 percent was in use for other purposes.

During 1990 and 1991, 900 homestead permits were issued to private individuals. Between 1977 and 1991, 202 land exchange cases were completed and 157 cases were pending.

As of December 1991, the number and type of permit issued for public land use were, 247 agriculture and or grazing permits, 102 commercial lease permits, 14 commercial permits of one- to five-year terms, 11 quarry permits, and 10 maintenance permits.

Table 15.1 CNMI Geographic Characteristics:1992

Islands	Area (Sq mi)	Highest Elevation (Feet)	Distance from Saipan (Naut. mi.)	Private Land (Percent)
Total	176.5	3,166	...	27
Rota	32.8	1,625	73	35
Aguijan (Goat Is.)	2.7	584	12	0
Tinian	39.2	583	5	20
Saipan	46.5	1,545	...	62
Farallon de Medenilla	0.4	266	45	0
Anatahan	12.5	2,585	75	0
Sarigan	1.9	1,801	95	0
Guguan	1.5	988	130	0
Alamagan	4.4	2,441	146	0
Pagan	18.6	1,870	173	0
Agrihan	11.4	3,166	206	0
Asuncion	2.8	2,923	259	0
Maug (3 islands)	0.8	746	281	0
Farallon de Pajaros	1.0	1,047	316	0

Source: Marianas Public Land Corporation (MPLC)

Table 15.2 Public Land by Land Use Category in 1991

Land Use Category	Area	
	Hectares	Percent
Total	5,512.8	100.0
Conservation and Wildlife Areas	1,927.0	35.0
Temporary Agriculture Grazing	1,720.0	31.2
Public Facilities	537.4	9.7
Village Homestead	479.7	8.7
Resort Hotels w/ Golf Courses	215.6	3.9
Proposed new Golf Courses	191.7	3.5
Transportation	143.0	2.6
Reserved for Land Exchanges	134.3	2.4
Commercial Lease	93.8	1.7
Hotel Leases	70.3	1.3
Other	504.0	9.1

Source: PMLC 1990 & 1991 Annual Report

Table 15.3 Number of Homestead lots and Number of Permits Issued in 1990 and 1991

Island	Number of Lots	Number of Homestead Permits Issued
Total	3,460	900
Saipan	2,010	643
Kagman II	-	408
As Matus	-	235
Rota (Sinapala II)	1,150	257
Tinian (Marpo Heights)	300	-

Source: MPLC 1990 & 1991 Annual Report

Table 15.4 Number of Land Exchange Cases

Case Status	Year	
	1977-90	1991
Completed	157	45
Pending	10	157

Source: MPLC 1990 & 1991 Annual Report

Table 15.5 Type and Number of Permits and Commercial Leases Issued by MPLC, As of December 1991

Type of Permit	Number of Permits Issued
Commercial Permits, 1-5 year	14
Quary Permits	11
Maintenance Permits	10
Agriculture/Grazing Permits	247
Saipan	163
Rota	67
Tinian	17
Commercial Lease	102

Source: MPLC 1990 & 1991 Annual Report

Chapter 16

Territorial Comparisons

Summary of Territorial Comparisons

Compared to other island territories (and island nations), the CNMI is relatively small in land area and in population, although the CNM has seen an increase in population in recent years. Although population density is relatively low, it has been increasing with the increase in population.

Compared to the United States and other U.S. territories--Guam, American Samoa, and Virgin Islands--and according to 1990 Census, the CNMI had,

- the lowest population,
- the second highest number of persons per household, second only to A. Samoa,
- the highest proportion of own population living in group quarters (over 26 percent),
- the largest proportion of own population (70.7 percent) in the age bracket 18 to 64 years old,
- the widest disparity in the number of married males and number of married females,
- the lowest number of children ever born per 1000 women,
- the highest percent (61.4) of own population born outside the area,
- the second highest percentage of own population who spoke a language other than English at home,
- the second highest proportion of own population who lived in a different house in 1985,
- the third highest percentage of own population with high school diploma,
- the highest proportion of male population in labor force,
- the highest proportion of female population in labor force,
- the lowest total unemployment rate,
- the third highest median household income in 1989,
- the third highest median family income in 1989,
- the second lowest per capita income,
- the second highest in percent of total persons below U.S. poverty level,
- the second highest in percent of total families below U.S. poverty level,
- the second lowest number of year-round housing unit,
- the lowest median number of rooms per housing unit,
- the second highest median number of persons per owner-occupied housing units,
- the second highest number of persons per room,
- the third highest in percent of housing unites with 1 or more vehicles,
- the highest median dollar amount of owner-occupied housing units, and
- the second highest median dollar amount of contract rent .

The tables in this chapter show detailed comparisons of the CNMI, U.S., and other territories.

Table 16.1 Physical and Demographic Features of Pacific Islands Countries: 1992

Country	Land area (sq.km)	Sea area (sq.km)	Population 1992		Annual growth rate (%) 1990
			Total	Density (Persons /sq.km)	
Northern Mariana Is.	471	1,823	47,168	100	2.3
American Samoa	197	390	51,115	259	3.9
Cook Islands	240	1,830	17,977	75	1.1
Fed. States Micronesia	701	2,978	114,694	164	2.3
Fiji	18,272	1,290	749,985	41	1.7
French Polynesia	3,265	5,030	205,620	63	2.3
Guam	541	218	142,271	263	0.9
Kiribati	690	3,550	74,788	108	1.1
Marshall Islands	181	2,131	50,004	276	2.3
Nauru	21	320	9,460	450	1.5
New Caledonia	19,103	1,740	174,805	9	1.9
Niue	259	390	2,267	9	1.1
Palau	494	629	15,775	32	2.3
Papua New Guinea	462,243	3,120	4,006,509	9	2.3
Pitcairn	5	800	52	10	0.0
Solomon Islands	27,556	1,340	360,010	13	3.2
Tokelau	10	290	1,578	158	0.0
Tonga	699	700	103,114	148	0.7
Tuvalu	62	900	9,494	153	1.9
Vanuatu	11,880	680	174,574	15	2.9
Wallis and Futuna	255	300	17,095	67	3.0
Western Samoa	2,935	120	194,992	66	0.5

Source: International Data Base, U.S. Bureau of the Census

Table 16.2 Selected Demographic Characteristics: 1990

Characteristics	Northern Marianas	United States	Guam	American Samoa	Virgin Island
Total Population	43,345	248,709,873	133,152	46,773	101,809
Persons in Households	31,856	242,012,129	124,596	46,267	100,488
Persons per household	4.6	2.6	4.0	7.0	3.1
Persons in Group quarters	11,430	3,363,726	8,369	495	837
Percent	26.4	1.4	6.3	1.1	0.8
Percent:					
Under 18 years	27.5	25.6	35.2	44.0	34.8
18 to 64 years	70.7	61.9	60.9	52.6	58.8
65 years and over	1.8	12.6	3.9	3.4	6.4
Median age	27.4	32.9	25.0	20.9	28.2
Percent:					
Males, now married, 15+	62.2	57.3	57.4	53.9	46.8
Females now married, 15+	42.2	52.4	58.1	54.5	41.9
CEB per 1000 women 35-44 yrs	1,226	1,960	1,523	1,757	2,720

Source: U.S. Bureau of the Census publications, 1990

Note: CEB stands for Children Ever Born

Table 16.3 Selected Social Characteristics: 1990

Characteristics	Northern Marianas	United States	Guam	American Samoa	Virgin Islands
Percent:					
Born outside this area	61.4	9.3	52.3	45.3	51.0
5 years and over:					
In different house in 1985	17.5	44.5	21.0	6.9	27.0
Speak other than English at home	95.2	13.8	62.7	97.0	23.9
25 years and over:					
High school graduates	66.3	75.2	73.3	54.5	56.5
Completed 4+yrs. college	15.6	20.3	17.5	6.9	15.1

Source: U.S. Bureau of the Census publications, 1990

Table 16.4 Selected Economic Characteristics: 1990

Characteristics	Northern Marianas	United States	Guam	American Samoa	Virgin Island
16 YEARS AND OVER					
Males in labor force (%)	87.4	74.4	83.8	58.8	74.5
Females in labor force (%)	75.3	56.8	59.5	42.4	61.4
Unemployed, Civilian labor force (%)	2.3	6.3	2.7	5.1	6.7
Median hhd income in 1989 (\$)	20,644	33,825	30,755	16,114	22,050
Median family income in 1989 (\$)	21,275	35,225	31,178	15,979	24,036
Per capita income in 1989 (\$)	7,199	14,420	9,928	3,039	9,440
Persons below poverty (%)	51.3	13.1	15.0	58.6	27.1
Families below poverty (%)	32.1	10.0	12.6	56.5	23.1

Source: U.S. Bureau of the Census publications, 1990

Table 16.5 Characteristics of Year-Round Housing Units: 1990

Characteristics	Northern Marianas	Guam	American Samoa	Virgin Islands
Total Persons	43,345	133,152	46,773	101,809
Total Housing Units	8,210	35,223	6,959	39,290
Year-Round Housing Units:				
Total	6,873	31,373	6,607	32,020
Median Rooms	4.0	5.0	4.5	4.3
3 or more bedrooms	3,200	19,745	3,327	17,617
One Unit in Structure	5,864	19,420	6,280	17,518
5 or More Units in Structure	778	6,195	97	8,110
Structure Built 1970 to 1979	1,095	14,608	1,580	11,854
Structure Built before 1940	32	152	122	2,308
Lack Complete Plumbing in this building	2,290	1,318	3,256	2,371
Source of water: Public System	5,462	34,958	4,117	8,145
Public Sewer	2,759	26,063	1,185	19,720
Electric Power	7,481	34,679	6,567	...
Air conditioner	4,236	24,095	6,417	29,934

Source: U.S. Bureau of the Census publications, 1990

Table 16.6 Characteristics of Occupied Housing Units: 1990

Characteristics	Northern Marianas	United States	Guam	American Samoa	Virgin Islands
Occupied	6,873	91,947,410	31,373	6,607	32,020
Owner Occupied	2,981	59,031,378	14,308	5,161	14,272
Median Rooms	4.0	6.2	5.0	4.5	5.1
Median Number of Persons	4.18	...	3.69	6.36	3.31
Percent:					
1.01 or more Persons per room	45.8	4.9	20.5	66.2	19.3
Householder moved into unit between 1989 to March 1990	21.6	9.4	11.2	12.1	10.3
1 or more Vehicles available	85.1	88.5	95.2	51.4	73.2
Specified Owner:					
Median value (\$)	169,000	79,100	130,500	26,600	112,700
Renter Occupied:					
Median Contract Rent (\$)	384	374	493	222	323
Median Gross Rent (\$)	470	...	547	279	...

Source: U.S. Bureau of the Census publications, 1990