

**Recent Trends in  
Population, Labor Force, Employment, and Unemployment  
Commonwealth of the Northern Mariana Islands  
1973 to 1999  
Second Edition  
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**Department of Commerce  
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## Introduction

This report is an update of the initial report on trends in population, labor force, employment and unemployment in the CNMI. This report include the results of the 4th quarter 1999 Current Labor Force Survey in the CNMI. The fourth quarter, 1999, CLFS included Saipan, Rota, and Tinian making the results comparable to prior censuses; however, the survey did not collect data on education and wages. Hence, this report update trends in population, labor force, employment, and unemployment, but not wages in the CNMI.

Unlike the first report that had two sets of tables, this update only has one set of tables in Appendix A.

The format of the report remained the same—the report summarizes the trends in the body of the report and makes extensive references to tables in Appendix A.

Population in the CNMI from 1996 to 1999 were estimated based on the methodology described in Appendix B.

## Summary

The following summary highlights major trends and changes in the CNMI population, labor force, employment, and unemployment from 1973 to 1999.

### Population

- Population in the CNMI increased dramatically between 1980 and 1990 and continued to increase through 1999.
- Migration was the main reason for the drastic increase in the CNMI population during this period.
- Employment and business purposes were the main reasons for migrating into the CNMI—the majority of all migrants in the CNMI were temporary resident workers, business persons and their spouses and dependents. The migrant-worker population now outnumbers the local population. The vast majority of migrant-workers were non-US citizens who came from Asian countries, particularly, from the Philippines and China.
- The growth in the migrant-worker population has influenced the demographics of the overall CNMI population. From 1980 to 1999,
  - Age distribution shifted from a younger population to a working-middle-age population
  - Median age increased from 19.6 in 1980 to 27.4 years of age in 1995.
  - Birthplace of the population shifted from a majority born in the CNMI in 1980 to majority born outside of the CNMI in 1990 and after.
  - Citizenship of the population shifted from a majority US citizens in 1980 to a majority non-US citizens in 1990 and after.
  - Ethnic composition changed from a Chamorro majority in 1980 to Asian majority with Filipino becoming the largest single ethnic group by 1990 and after.

### Labor Force and Employment

- Drastic increases in economic activities during this period led to high labor force participation and employment in the CNMI. The local population entered the labor force in unprecedented numbers. Because of a relatively small population base, the economy began to rely on outside sources for manpower needs resulting in a large number of migrant-workers.
- The reliance on migrant labor resulted in shifts in the labor force.
  - From a minority in 1973, migrant workers increased drastically after 1980 becoming the majority of the total CNMI labor force by 1990.
  - From a minority in 1980, non-US citizens become the majority of the total CNMI work force by 1990.
  - The birthplace of the labor force shifted from a majority born in the CNMI to a majority born outside.
  - The ethnic composition of the labor force changed from a predominantly Chamorro in 1980 to predominantly Asians, with Filipinos being the largest single ethnic group in the labor force by 1990 and after.
  - By 1990 and after, migrant workers outnumbered local workers in all industries, except in “public administration” and “finance, insurance, and real estate”.

### Unemployment

- Unemployment rate was high in 1973 (12.6%), low in 1980 (2.4%) and 1990 (2.3%), but increased in 1995 to 7.3 percent and was estimated at 4.3 percent in 1999, fourth quarter.
  - Unemployment rate has been higher for the local work force compared to the migrant work

force. However, migrant-workers are becoming a significant proportion of the total unemployment—from about 10 percent in 1980 to about 44 percent of total unemployment in 1995 and estimated at about 24 percent in 1999, fourth quarter.

- Between 1980 and 1999, age distribution of the unemployment population has shifted higher.
- The birthplace of unemployed persons changed from 1980 to 1999—persons born outside have been increasing as a proportion of total unemployed.
- The citizenship composition of unemployed persons changed from mostly US citizens in 1980 to a significantly non-US citizens by 1995.
- The ethnic composition of unemployed persons in the CNMI became more Micronesians and Asians and relatively less Chamorros and Carolinians.



## Chapter 1. CNMI Population

### 1.0 Population

The total population in the Commonwealth of the Northern Mariana Islands (CNMI) increased steadily from 8,290 (in 1958) to 16,780 (in 1980). The Commonwealth's population more than doubled between 1980 and 1990 to 43,345 persons, an annual growth rate of 9.5 percent. The population in the CNMI continued to grow at an annual rate of 5.6 percent from 1990 to 1995, reaching 58,846 persons in 1995. By 1999, the population was estimated at about 81,000 persons.

Since 1980, the vast majority (about 90%) of CNMI's total population has resided in Saipan. Saipan is the biggest island of the 14 Northern Mariana Islands and is where most of the economic activities take place. In the fourth quarter, calendar year 1999, Saipan's population was estimated at 73,000 persons while Rota's population was estimated at about 4,400 and Tinian's population at about 3,400. Table 1.0 below shows population trends in the CNMI by island from 1920 to 1999. Population estimates for 1996 to 1999 are explained in Appendix C.

The main reason for the dramatic growth in population in the CNMI was migration. The main reasons for migrating into the CNMI were for employment and business opportunities. As shown in this report, CNMI's overall population characteristics—age, ethnicity, citizenship, place of birth, gender—have changed dramatically because of the large increase in the migrant population in the Commonwealth.

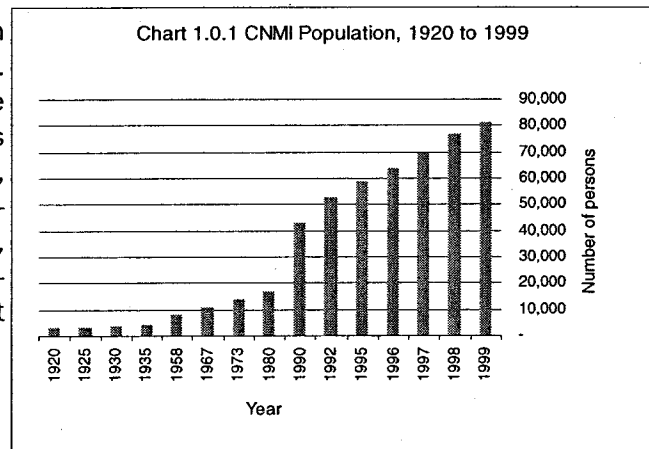


Table 1.0 CNMI Total Population by Island, 1920 to 1999

Year	Number of persons					Percent distribution				
	Total	Saipan	Rota	Tinian	N.Islands	Total	Saipan	Rota	Tinian	N.Islands
1999*	81,126	73,272	4,440	3,414	-	100.0	90.4	5.8	3.8	-
1998*	76,708	69,421	4,350	2,937	-	100.0	90.5	5.7	3.8	-
1997*	69,801	62,956	4,023	2,822	-	100.0	90.2	5.8	4.0	-
1996*	63,613	57,181	3,721	2,711	-	100.0	89.9	5.8	4.3	-
1995	58,846	52,698	3,509	2,631	8	100.0	89.6	6.0	4.5	0.0
1992*	52,900	47,786	2,561	2,553	-	100.0	90.3	4.8	4.8	-
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

Note: \* Population for these years is based on estimates while population for all other years are census counts.

## 1.1 Population by Age

The age structure of the CNMI population changed significantly between 1980 and 1990: the median age of the population increased and the age distribution of the population changed from a relatively young population to a more middle-aged population.

### 1.1.1 Median Age

The median age of the CNMI population increased quite drastically from 19.6 years in 1980 to 27.4 years in 1990. The median age is the age that divides the population into two halves; for example, half of the population in the CNMI was younger than 27.4 and the other half was older than 27.4 years of age. The median age increased during this period for two reasons: (1) the CNMI's indigenous population was aging, people were living longer and birth rate was declining; but more importantly, (2) the presence of a large migrant-worker population in the CNMI, which is concentrated between ages 20 and 54, pulled the median age of the CNMI's total population higher. The median age remained at this higher level between 1990 and 1999.

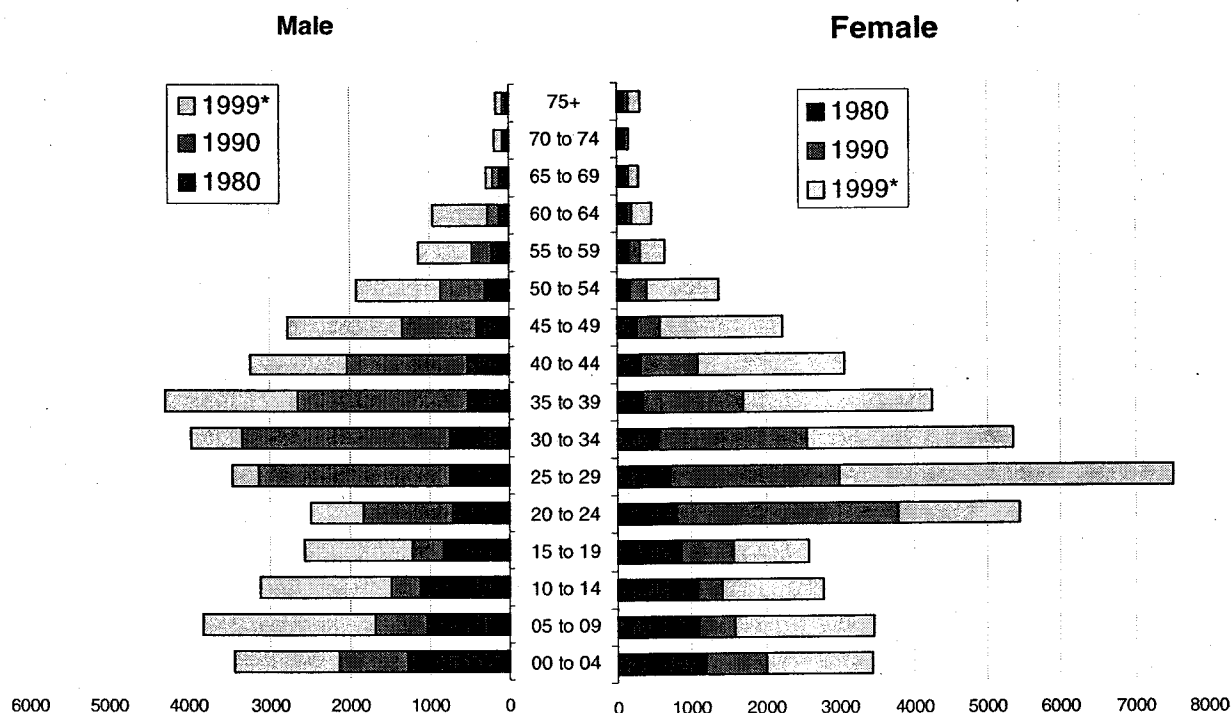
### 1.1.2 Age Distribution

The age distribution of the CNMI total population shifted significantly between 1980 and 1990. In 1973, and in 1980, age group 0 to 4 years old, constituted the largest age group followed by age groups 5 to 9, 10 to 14, 15 to 19, 20 to 24, ..., 80 to 84, and 85 and over. But by 1990, age group 25 to 29 became the largest age group followed by age groups 30 to 34, age group 20 to 24, age group 35 to 39 and then age group 0 to 04 years old. Since 1990, age groups between 20 to 39 years of age (the middle age-groups) have continued to outnumber the lower and the higher age groups. The shift in the age structure of the CNMI population is best described using a population pyramid chart.

In a population pyramid, a horizontal bar represents each age group of the male population and each age group of the female population. The horizontal bars for each age group for male and female populations together form a chart that resembles a pyramid, such as the top part of Chart 1.1.2.1 below. The shape of the pyramid depicts the age structure of the study population.

In 1980, the CNMI population pyramid resembled a regular pyramid shape, where age group 0-4, at the bottom of the chart, was the largest age group followed by age group 5-9, 10-14, 15-19 and on up to age group 75 and over. The shape of the CNMI population pyramid shifted from this regular shape between 1980 and 1990. By 1990, the horizontal bars no longer resembled a regular pyramid, but looked more like a Christmas tree or a two-tier pyramid, one bigger pyramid sitting on top of a smaller one. In 1995 the age group horizontal bars deviated even further from the regular pyramid shape. This two-tier pyramid shape continued up to 1999. The shift in age distribution, as depicted by the population pyramid, resulted from the age distribution of the migrant-worker population in the CNMI. The shape of the larger pyramid on top, that starts at age group 20 to 24 through age group 45 to 49, is dictated by the number of migrant workers in the Commonwealth who outnumbered the indigenous population in these age groups. The smaller pyramid on the bottom, that starts from age group 0 to 4 through 15 to 19 age group, reflects the increasing number of total births in the CNMI in recent years. But although the number of births has been increasing in recent years, the number of migrant workers remains higher still. Comparing the age pyramids for 1980 through 1999 also explains why the median age of the CNMI population is much higher now than it was in 1973 or 1980.

Chart 1.1.2.1 CNMI Male and Female Age Distribution, 1980, 1990, and 1999



The percent distribution of the age groups also shows the shift in the age structure of the CNMI's population. As shown in Table A.1.0., in 1973, age group 0 to 4 years old constituted the largest age group at 16.7% of total population followed by age group 5 to 9 years of age, 10 to 14, and 15 to 19 at 15.1%, 13.2%, and 11.3 %, respectively. But by 1990, age group 25 to 29 years old became the largest age group at 15.9% of total population, followed by age group 30 to 34 years of age, 35 to 39 and 20 to 24 age groups at 14.1%, 10.8%, and 9.8%, respectively.

Age distributions among males and females were similar in 1973 and 1980, but by 1990 and after, the female population became relatively younger than the male population. The age percent distribution of females and males in 1995 reveals that, on the one hand, the female age group 25 to 29 years constituted almost 18% of total females followed by the 20 to 24 and 35 to 39 age groups at 14.2% and 12.9%, respectively. On the other hand, the male age group 30 to 34 years of age constituted 13.3% of total male population followed by age groups 35 to 39 and 25 to 29 years of age at 12.4% and 12.4%, respectively.

The same population age structure in the CNMI in 1995 continued through to 1999, as shown in Table A.1.0 in Appendix A.

## 1.2 Population by Citizenship

The migrant-worker population has influenced the characteristics of the overall population in the CNMI. One way to see this influence is to look at the total population by citizenship over time. As shown in the Chart 1.2.1, in 1973 over 80 percent of the CNMI population were US citizens and in 1980 just under 80 percent were U.S citizens. But by 1990 and later, more than

50 percent of total CNMI population were non US citizens. A summary of the CNMI total population by sex and by citizenship is shown in Table A.2.0 in Appendix A. Recent labor force survey in the CNMI indicates the same trend, as shown in Table A.2.0

The fact that the migrant-worker population was concentrated between 20 to 54 years is best depicted in a population pyramid showing males and females by age group and citizenship. For example, Chart 1.2.2 below reveals clearly that non-US citizens outnumbered US citizens in the middle age-groups (20 to 54 years old).

In addition to the pyramid chart, as shown in Table A.3.0 in Appendix A, in 1995, non-US citizen females outnumbered US citizen females more than 4 to 1 in age group 25 to 29, more than 3 to 1 in age group 20 to 24 and 30 to 34, and 2 to 1 in age groups 35 to 39. Similarly, non-US citizen males outnumbered US citizen males 3 to 1 in age groups, 30 to 34 and 35 to 39 and 2 to 1 in age groups 25 to 29 and 40 to 44. Recent labor force survey in the CNMI indicates this same trend, as shown in Table A.3.0, non-US citizens continued to outnumber US citizens in the middle age-groups in the CNMI in 1999.

Chart 1.2.1 CNMI Population Percent Distribution by Citizenship, 1973 to 1999

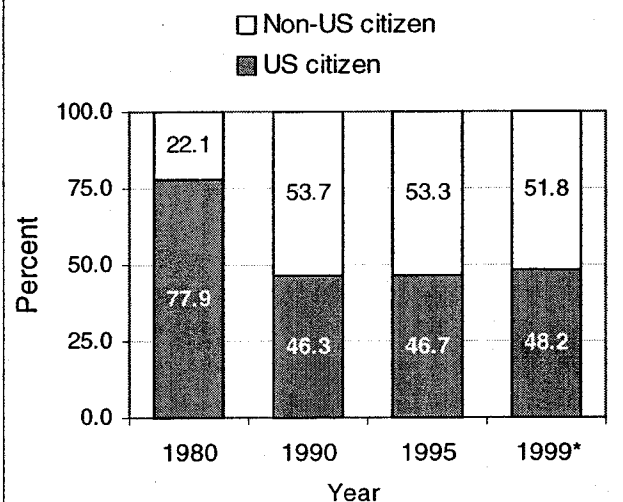
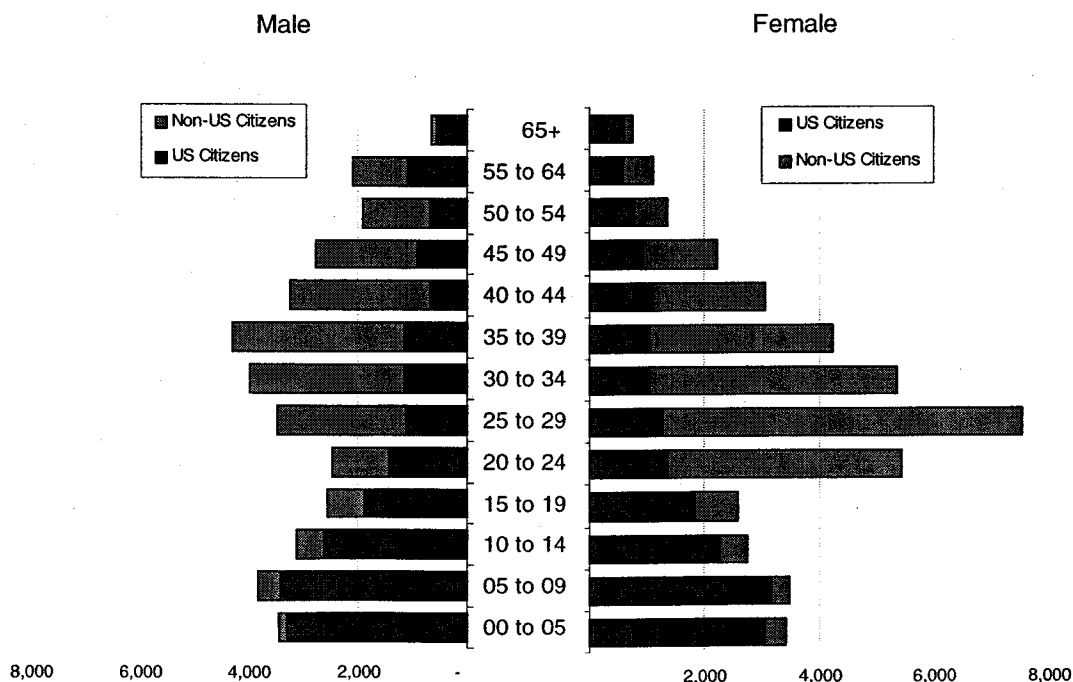


Chart 1.2.2 Male and Female Age Distribution by Citizenship in the CNMI in 1999



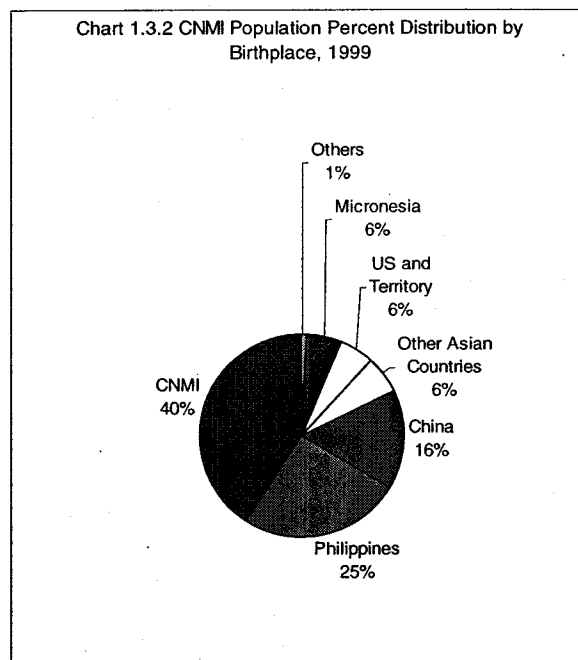
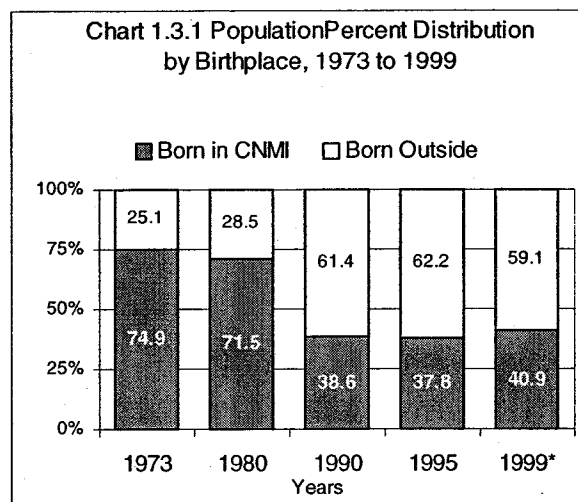
### 1.3 Population by Place of Birth

A look at the CNMI population by place of birth is similar to what has been shown by looking at total population by citizenship; that is, the majority of total population were migrant workers and their dependents who were born outside and migrated into the CNMI recently.

As shown in Chart 1.3.1, in 1973 and 1980, the vast majority (74.9% and 71.5%, respectively) of the CNMI population were born in the Marianas. But by 1990 and after, the majority of the total population in the CNMI were born outside, mostly in Asian countries, particularly in the Philippines and, more recently, China. In 1995, almost 50 percent of total population were born in Asian countries and migrated into the CNMI; 30.4 percent were born in the Philippines and 11.5 percent were born in China. CNMI-born were 37.8 percent of total population while persons born in Micronesia were almost 6 percent of the total population.

Recent labor force survey in the CNMI indicate the same population trend by place of birth. According to recent survey, as shown in Chart 1.3.2, in 1999, persons born in the CNMI were 40 percent of the CNMI's total population, followed by persons born in the Philippines (25%) and persons born in China (16%). Persons born in Micronesia were about 5 percent of the CNMI's total population in 1999.

As shown in Table A.4.0, birthplace by sex reveal that females born in China increased much faster than any other group, since 1990, becoming the second largest group of the total female population in the CNMI in 1999, at over 24 percent.



### 1.4 Population by Ethnicity

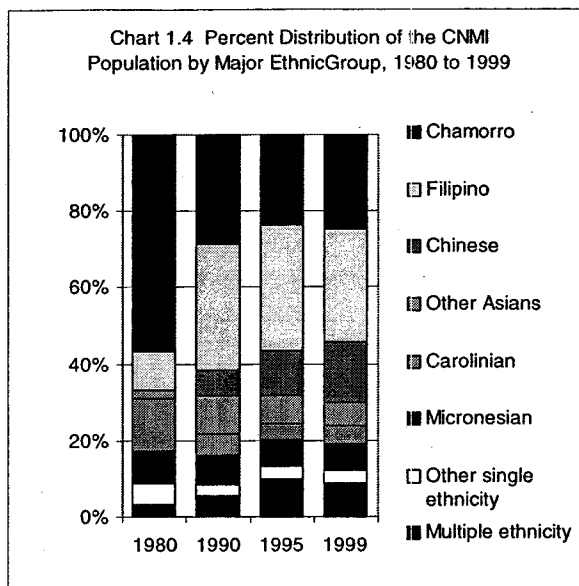
With the presence of a large migrant worker population, the CNMI is now a multi-ethnic population.

As shown in Table A.5.0, in 1980, about 57 percent of the CNMI population were Chamorros, about 14 percent were Carolinians, 10 percent were Filipinos, and about 9 percent were Micronesians (from Palau, FSM, and the Marshall Islands). However, by 1990 Filipinos surpassed Chamorros as the largest single ethnic group. In 1990, about 32 percent of CNMI's population were Filipinos, 29 percent were Chamorros, over 5 percent were Carolinians, 8 percent were Micronesians and about 7 percent were Chinese. In the 90s, the Filipinos contin-

ued to be the largest single ethnic group while Chinese were the fastest growing ethnic group. The Chinese were less than one percent (0.2%) of CNMI's population in 1980, but increase to 6.7% in 1990, and 11.5% in 1995. Recent labor force survey, as shown Chart 1.4.1 and in Table A.5.0, indicate that Chinese were about 16% of the CNMI's total population in 1999. Since 1980, Chamorros and Carolinians have been declining while Asians have been increasing as proportions of the CNMI's population. The Micronesians have remained at about the same proportion of the total population since 1980.

The number of Individuals who report multiple ethnic background has been increasing since 1980, perhaps reflecting growing inter-marriage among different ethnic groups in the CNMI. Persons who reported multiple ethnic background were only 3% of the total CNMI population in 1980, but by 1995 this group had increased to almost 10% of the total CNMI population.

More recent data on ethnicity in the CNMI indicate that, like the place of birth by sex, in 1999, Chinese women constituted the second largest single ethnic group of the total female population in the CNMI while Filipino males constituted the largest single ethnic group of the total male population in the CNMI, as shown in detail in Table A.5.0 in Appendix A.



## 1.5 Year of Entry of CNMI Migrants

The fact that the majority of the current CNMI population are workers who migrated into the Commonwealth in recent years is best described by looking at the "year-of-entry" of those born

Table 1.5 Year of Entry of Persons Born Outside CNMI, 1995

Year of Entry	Total no. of persons born outside	Percent Distribution	Percent cumulative Distribution
Total Born outside CNMI	36,626	100.0	-
1994 or 1995	17,319	47.3	47.3
1990 to 1993	12,357	33.7	81.0
1987 to 1989	3,216	8.8	89.8
1985 to 1986	1,029	2.8	92.6
1980 to 1984	1,269	3.5	96.1
1975 to 1979	605	1.7	97.7
1965 to 1974	547	1.5	99.2
Before 1965	284	0.8	100.0
Not a US citizen	31,357	100.0	-
1994 or 1995	15,284	48.7	48.7
1990 to 1993	10,976	35.0	83.7
1987 to 1989	2,675	8.5	92.3
1985 to 1986	789	2.5	94.8
1980 to 1984	880	2.8	97.6
1975 to 1979	390	1.2	98.8
1965 to 1974	250	0.8	99.6
Before 1965	113	0.4	100.0

outside and who migrated into the CNMI. In 1995, the most recent year when complete data are available, over 62% (36,626 persons) of the total CNMI population were born outside and migrated into the CNMI. Of this total, almost half (17,319 persons) came into the CNMI within the 2 years (1994 and 1995) preceding the census date, September 9, 1995. Another one-third came within the 3 to 5 years preceding the census date. In other words, over 80 percent of migrants had only been in the CNMI 5 years of the 1995 census date.

As shown in Table A.6.0 in Appendix A, about 90 percent of the estimated total migrants in the CNMI in 1999 were non-US citizens. About 47 percent of these came to the CNMI within the 3 years before the 4th quarter, 1999, survey period, 80 percent came within the 10 years of survey period.

Recent survey data in the CNMI indicates the same trend—that the majority of migrants came into the CNMI in recent years, as shown in Table A.6.0.

## 1.6 Reason for Migration to the CNMI

Almost all migrants in the CNMI came for employment and business purposes. Again, based on the 1995 census, the most recent year when complete data are available, almost 92 percent of all migrants were in the CNMI for employment or business purposes or spouses, dependents or family members of employed or business persons, as shown in Table 1.6 below.

Recent labor force survey data in the CNMI indicates the same trend—that the vast majority of migrants come to the CNMI because of employment and business purposes, as shown in Table A.7.0.

Table 1.6 Reason for Migrating into the CNMI, 1995

	Total no. of persons born outside	Percent distribution	Percent cumulative distribution
All Persons Born outside CNMI	36,626	100.0	-
Employment	27,558	75.2	75.2
Business	996	2.7	78.0
Spouse of employed person	2,460	6.7	84.7
Dependent of employed person	1,620	4.4	89.1
Family member of employed	975	2.7	91.8
Student attending school/col	173	0.5	92.2
Missionary activities	27	0.1	92.3
Visiting/vacation	1,204	3.3	95.6
Other	1,613	4.4	100.0

## Chapter 2. Labor Force Participation

### 2.0 Labor Force Participation

The labor force population includes persons who are 16 years of age and older who are employed or who can be employed and are willing to be employed; the labor force population excludes persons less than 16 years old and those not looking and/or not willing to take a job. (Detailed definitions for labor force participation and other related terms may be found in several sources such as the 1990 Census of Housing and Population). As already established in Chapter 1, the migrant-worker population is concentrated in the middle age-groups and came to the CNMI primarily for employment and business purposes. Hence, the influence of the migrant-worker population is more pronounced on the CNMI labor force demographics—age, citizenship, place of births, ethnicity, and gender—than in the CNMI total population.

The number of persons participating in the labor force in the CNMI increased dramatically between 1980 and 1990 and continued to increase through the rest of the 1990s. The tremendous economic growth in the second half of the 80s and the 90s not only required importation of labor but also enabled the indigenous population to enter the labor force in unprecedented numbers. As shown in Chart 2.0.1, in 1973 and 1980, only 63% of persons 16 years of age and older participated in the labor force. By 1990, labor force participation rate had increased to about 82 percent and has remained over 80 percent since.

Labor force participation rates have increased over time for both males and females; however, it is important to note, as shown in Chart 2.0.2, and Table A.8.0, that while the male labor force participation rate has been relatively high, the female labor force participation rate was low in 1973 (39.6%) and increased to a high of over 81 percent in 1995. Recent labor force survey results in Saipan indicate that female participation rate has remained high in the CNMI, as shown in Table A.8.0.

Chart 2.0.1 Labor Force Participation Rates in the CNMI, 1973 to 1999

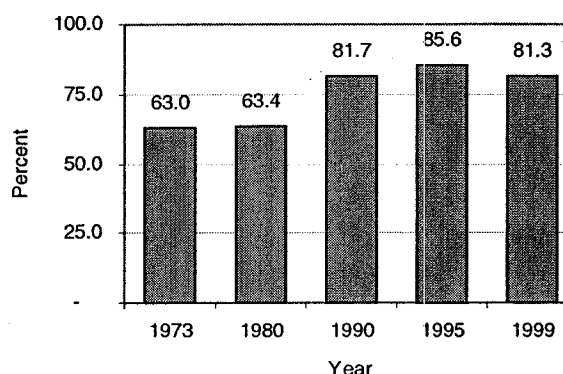
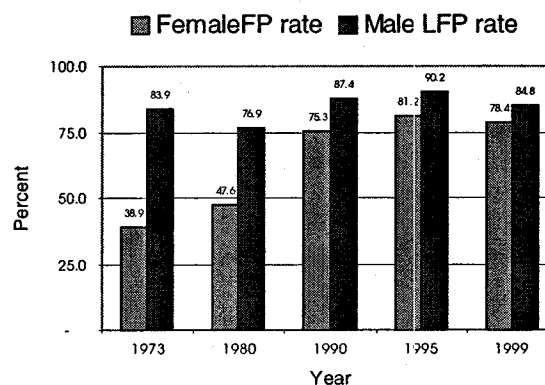


Chart 2.0.2 Male and Female Labor Force Participation Rates in the CNMI, 1973 to 1999



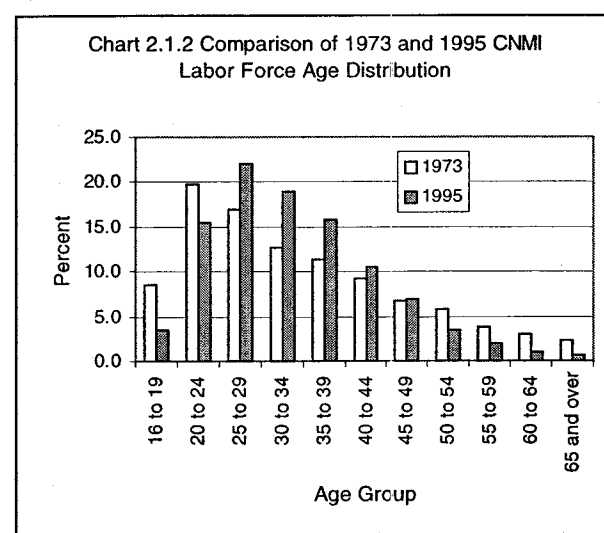
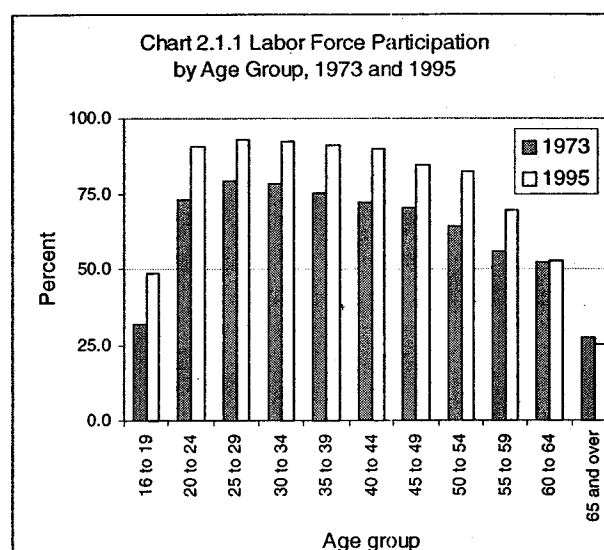


## 2.1 Labor Force by Age

The labor force participation rate by age over time has been influenced by the migrant-worker population. As shown in Chart 2.1.1 and in Table A.9.1, labor force participation rates were higher in the middle age-groups where large number of migrant workers fall. Labor force participation rates were lower in age group 16 to 19 and age groups beyond age 54.

Labor force distribution by age has changed since 1973, as shown in Chart 2.1.2 and in Table A.9.0. for the CNMI. Labor force percent distribution by age show that in 1973 age group 20 to 24 constituted the largest number of total persons in labor force followed by age groups 25 to 29, 30 to 34, 35 to 39, and 40 to 44. But by 1990 and after, age group 25 to 29 became the largest age group in the labor force followed by age group 30 to 34, 35 to 39, and 20 to 24. Again the age distribution of the labor force population here is being dictated by the age distribution of the migrant-workers population since they constitute the large majority of all persons in the labor force.

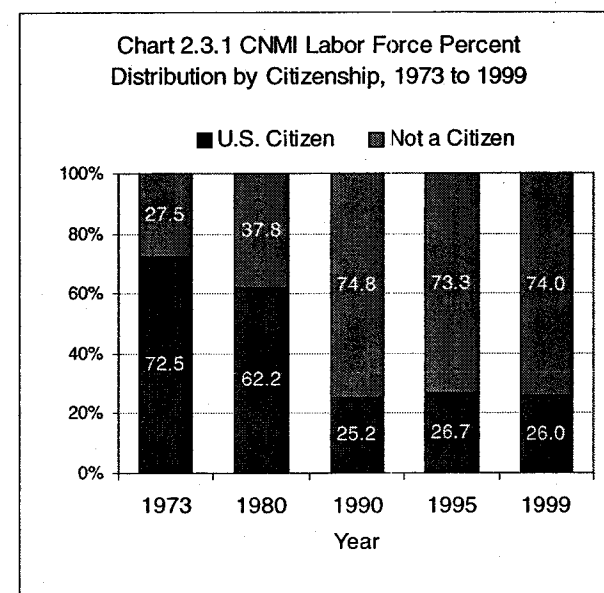
The female labor force population was relatively younger than the male labor force population, again, similar to what was observed in Section 1.1.2.



## 2.3 Labor Force by Citizenship

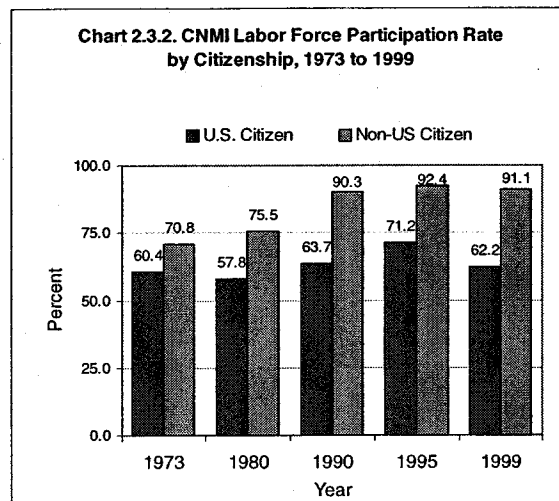
As shown in Chart 2.3.1 and Table A.10.0, in 1973 and 1980, the majority of persons in the labor force were US citizens, 72.5 percent and 62.2 percent, respectively. But by 1990, non-US citizens became the majority of the total labor force in the Commonwealth, outnumbering US citizens 3 to 1.

As shown in Chart 2.3.2 and in Table A.10.1, labor force participation rates of non-US citizens were much higher than labor force participation rates of US citizens, since 1973. This is expected since non-US citizens come to the CNMI primarily for employment or



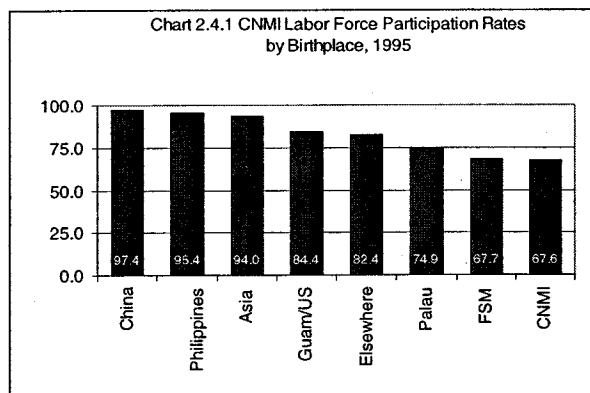
business. Asian migrant workers must secure employment before they leave their countries and arrive in the CNMI.

Recent labor force survey in the CNMI reveal a significant change in the gender composition of non-US citizens in the labor force in the CNMI, as shown in Table A.10.0. That is, while male US citizens have outnumbered females in the labor force since 1973, non-US citizen females outnumbered non-US citizen males in the CNMI's labor force. This shift occurred between 1990 and 1995 and was more pronounced in 1999. The shift in the gender composition among non-US citizens in the labor force is primarily because of the large number of Chinese female workers in the garment manufacturing industry in Saipan, as discussed below.



## 2.4 Labor Force by Place of Birth

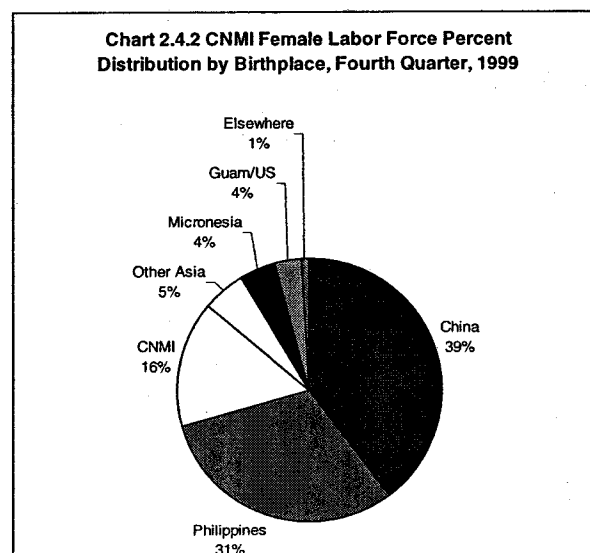
As shown in Chart 2.4.1 and in Table A.11.1 and B.11.1, those born in Asia, particularly, the Philippines and China have higher labor force participation rates than those born in the CNMI or Micronesia. One important reason for this, as discussed under Section 2.3, is that workers born in the Philippines, China and other Asian countries must secure employment before leaving their countries to the CNMI. Labor force participation rates for persons born in the CNMI have increased, since 1973, but remain lower compared to those born in Asian countries.



Recent labor force survey in the CNMI, as shown in Chart 2.4.2 and in Table A.11.0, indicate that, by place of birth, females born in China were the largest single group of the total female labor force population. Males born in the Philippines comprised the largest group of the total male labor force in the CNMI.

## 2.5 Labor Force by Ethnicity

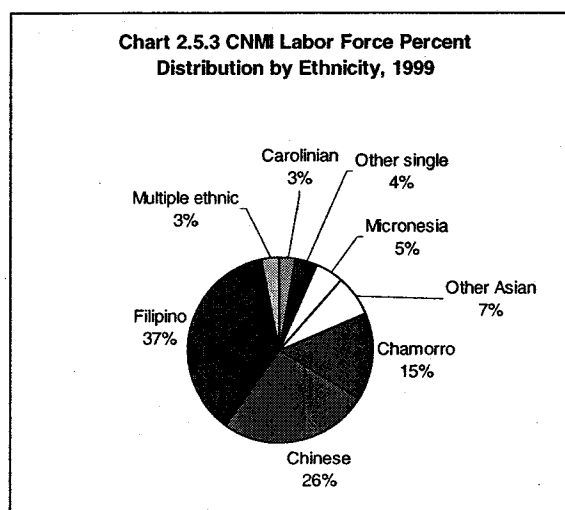
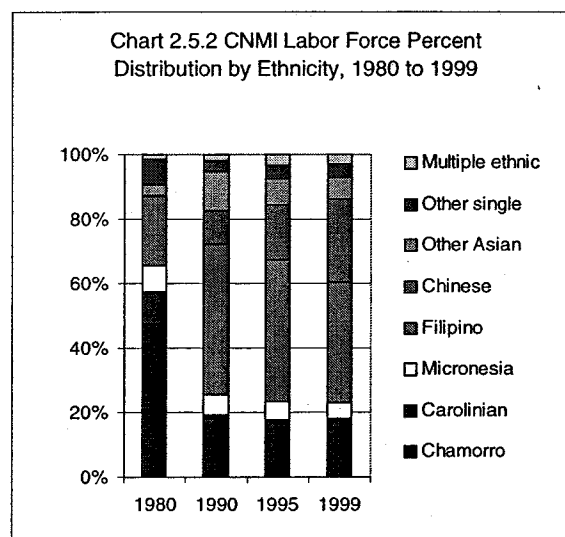
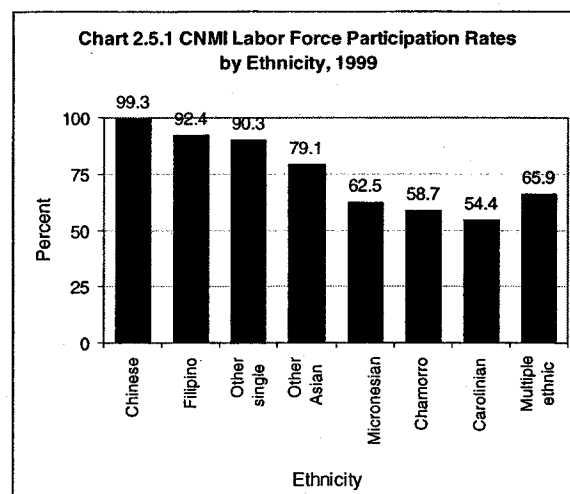
Labor force participation rates vary among ethnic groups, as shown in Chart 2.5.1 and in Table A.12.0. The Chinese and the Filipinos had higher labor force participation rates while the Chamorros and Carolinians had lower labor force participation rates.



The ethnic composition of the CNMI labor force has been changing dynamically since 1980. As shown in Chart 2.5.2 and in Table A.12.0., in 1980, Chamorros constituted the largest single ethnic group in the CNMI labor force at 47 percent, followed by Filipinos at 22 percent and Carolinians at 10 percent. However, by 1990, Filipino had become the largest single ethnic group in the CNMI labor force (47%) followed by Chamorro (16%), Chinese (10%), while Carolinians declined to only 3.0% of the CNMI's labor force. In 1995 Filipino was still the largest single ethnic group at over 44 percent of labor force, while the Chinese (17%) surpassed the Chamorros (15%) to become the second largest single ethnic group in the labor force. Recent labor force survey results in the CNMI indicates that the Chinese have become an even greater proportion of the CNMI labor force. Survey results showed that the Chinese constituted about 26 percent of the total labor force in the CNMI in 1999, as shown in Chart 2.5.3.

Male labor force participation rates were higher than females' across ethnic groups, except for Chinese females in the CNMI. Recent labor force survey results in the CNMI show female Chinese to have the highest labor force participation rate at 99 percent in 1999, as shown in Table A.12.1. This is mainly because of the large number of Chinese females in the labor force employed in the garment industry. The 1999 labor force survey estimated over 10,000 female Chinese in CNMI's labor force, making them the largest female ethnic group in the CNMI labor force in 1999. On the other hand, Filipino males constituted the largest ethnic group among all males in the labor force, and have been so since 1990.

The labor force survey results in the CNMI, as shown in Table A.12.0, also indicated that Filipinos continued to be the largest single ethnic group in the CNMI labor force. The survey also indicates that Chinese and other Asians continued to increase while the Chamorros and the Carolinians have been declining as proportions of the total CNMI labor force.



A stacked bar chart illustrating the percentage distribution of various economic sectors across four years: 1980, 1990, 1995, and 1999. The vertical axis represents the percentage, ranging from 0% to 100% in increments of 25%. The horizontal axis represents the year. Each bar is composed of segments representing different sectors, identified by distinct patterns in the legend.

Year	Services	Manufacturing	Retail & Wholesale	Public administration	Construction	Transportation, communic., & other util	Finance, insurance, and real estate	All others
1980	30%	10%	10%	10%	10%	10%	10%	10%
1990	25%	25%	10%	10%	10%	10%	10%	10%
1995	30%	20%	10%	10%	10%	10%	10%	10%
1999	30%	25%	10%	10%	10%	10%	10%	10%

### 3.1.1 Employment by Major Industries and Sex

The sex composition in each industry differ. As shown in Chart 3.1.1.1, in 1999, females outnumbered males only in the *Manufacturing* and *Retail trade*, were about the same number as males in the *Services* industry, but fewer than males in the rest of the industries.

The male distribution differ from the female distribution across industries. As shown in Table A.13.0, since 1990, females were concentrated in the *Manufacturing*, *Services* and *Retail industries*, while males were concentrated in *Construction*, *Services* and *Retail trade*.

Recent labor force survey data in the CNMI, as shown in Chart 3.1.1.2, indicate that, in 1999, over 44 percent of all employed females were in the *Garment manufacturing* industry, about 33 percent were in the *Service* industry and about 8 percent were in the *Retail trade* industry in the CNMI, 1999. For males, on the other hand, 30 percent of all males employed were in the *Service* industry, 16 percent were in the *Manufacturing*, 14 percent in *Construction*, and 13 percent in *Retail trade*. Proportionately more males than females were in the *Public administration* in 1999, as has been the case since 1980.

Chart 3.1.1.1 CNMI Male-Female Employment Composition by Industry, 1999

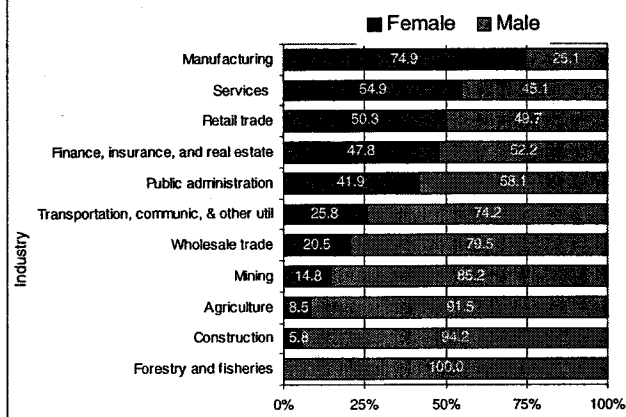
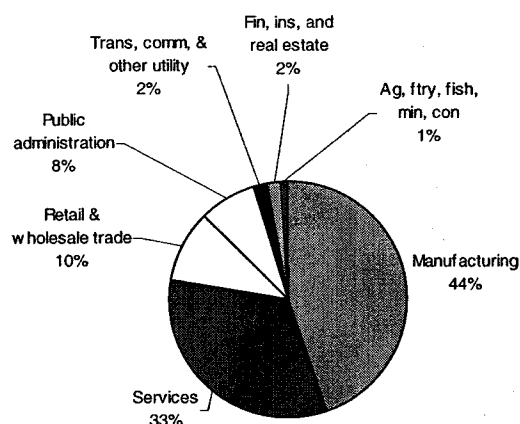


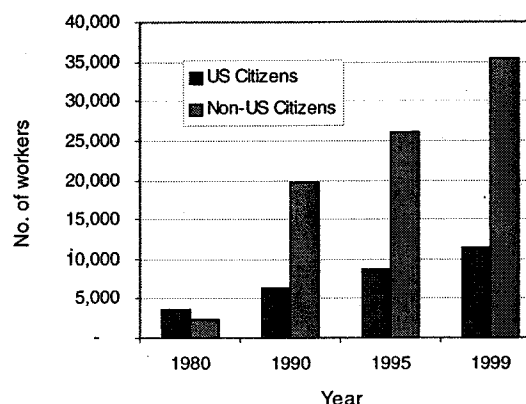
Chart 3.1.1.2 CNMI Female Employment Percent Distribution by Industry, 1999



### 3.1.2 Employment by Major Industries and Citizenship

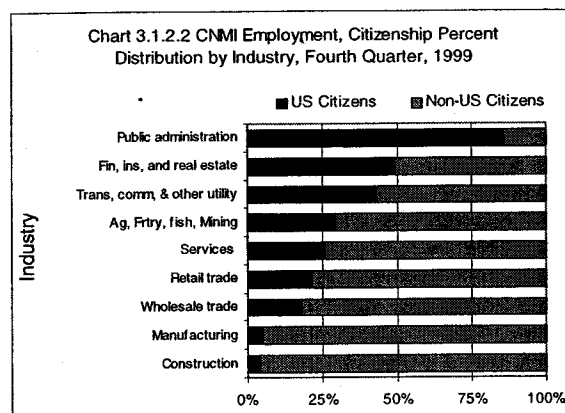
The CNMI economy has become heavily reliant on migrant workers for its labor needs, which is quantified by looking at CNMI employment by citizenship. As shown in Table A.14.0, both the numbers of US citizens and non-US citizens have been growing, but the number of non-US citizens has been increasing much faster, so that by 1995, non-US citizen workers were three times the number of US citizen workers in the CNMI economy. In 1990 and 1995, about 75

Chart 3.1.2.1 CNMI Employment by Citizenship, 1980 to 1999



percent of total employed were non-US citizens. Recent labor force survey in the CNMI indicate that this trend continued through to 1999 in the CNMI, as shown in Chart 3.1.2.1.

In all industries, except for *public administration* and *finance, insurance, and real estate*, the vast majority of employees were non-US citizens, as shown in Chart 3.1.2.2 and Table A.14.0. In certain industries, workers were almost all non-US citizens, such as in *manufacturing* and *construction*. It is only in the *public administration* that US citizens have outnumbered the non-US citizens, since 1973.



### 3.1.3 Employment By Industry and by Place of Birth

The distribution of employed persons by industry differed among birthplaces. As shown in Table A.15.0 and Table B.15.0, persons born in the CNMI have been employed mostly in the *Public administration*, *Services*, *Transportation, communication, and other utility*, and *Retail trade*. As shown in Table A.15.1, persons born in the Micronesia have been employed in the *Services*, *Manufacturing* and *Retail trade* industries. And, as shown in Table A.15.2, persons born in Philippines were employed in the *Services*, *Retail trade*, and *Construction* industries while persons born in China were concentrated in the *Manufacturing* industry, as shown in Table A.15.3.

### 3.1.4 Employment by Ethnicity

The distribution of employed persons by industry also differed among ethnic groups in the CNMI economy, but was somewhat similar to employment by birthplace. As shown in Chart 3.1.4.1, Table A.16.0, Chamorros have been employed mostly in the *Public administration*, *Services*, *Transportation, communication and other utility*, and *Retail trade* industries. Like the Chamorros, Carolinians have been mostly employed in the *Services*, *Public administration*, *Transportation, communication and other utilities* and *Retail trade* industries, as shown in Chart 3.1.4.2 and in Table A.16.1. As shown in Chart 3.1.4.3 and Table A.16.2, Micronesians have been employed in the *Services*, *Manufacturing*, *Retail trade* and *transportation, communication and other utilities* industries. As shown Chart 3.1.4.4 and in Table A.16.3, Filipinos were

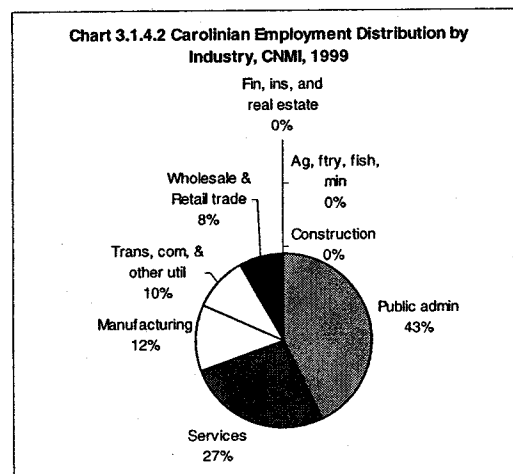
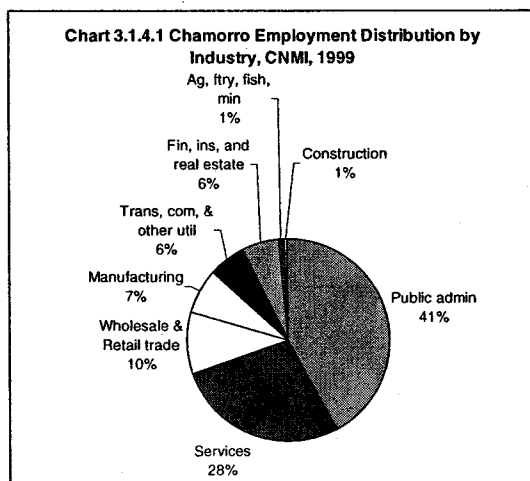


Chart 3.1.4.2 Micronesian Employment Distribution by Industry, CNMI, 1999

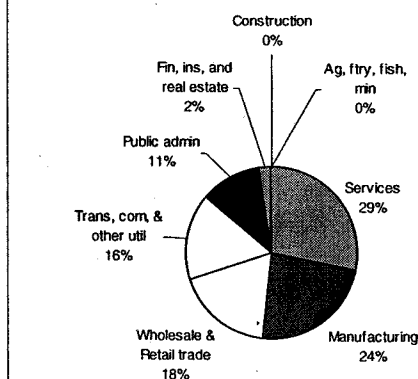
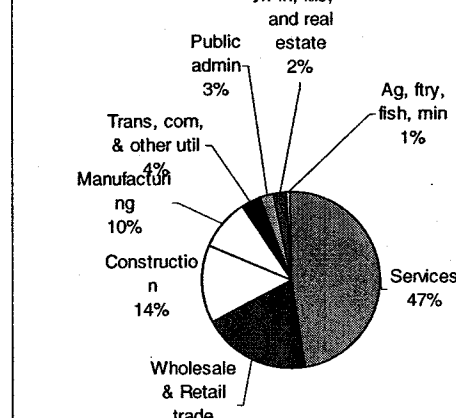


Chart 3.1.4.2 Filipino Employment Distribution by Industry, CNMI, 1999



employed in the *services*, *Retail trade*, and *Construction* industries while the Chinese were concentrated in the *Manufacturing* industry, as shown Chart 3.1.4.5 and in Table A16.4.

### 3.2 Employment by Occupation

The types of occupations in the CNMI economy have been changing over time in response to growth in the different industries in the CNMI since 1980. As shown in Chart 3.2.1 and Table A20.0, *Operators, fabricators, and labors* increased from about 10 percent of total employment in 1980 to become the largest occupational group in the CNMI economy in 1995, at over 27 percent of total employment. The *services* occupations also increased during this period. Other occupation groups—*Managerial and professional specialty*, *technical, sales, and Administrative support* and *Precision production, craft and repair*—also increased in number of workers over this period of time, but declined in relative size to the “*Operator, fabricators, and labors*” and the “*Services*” occupations.

#### 3.2.1 Employment distribution by Occupation and sex

In 1973 and 1980, the largest number of all working women were in *Technical, sales, and administrative support* (44 percent), followed by those in *Services*, and *Managerial and professional specialty* occupational groups. By 1990 and after, *Operator, fabricators, and labors* became the largest occupational group among all women, followed by the *Services*, *Technical, sales, and administrative support*, and *Managerial and professional specialty* groups.

Chart 3.1.4.2 Chinese Employment Distribution by Industry, CNMI, 1999

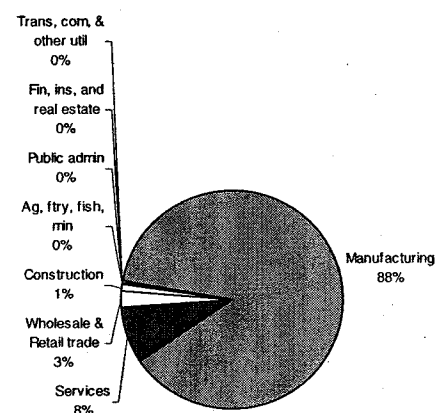
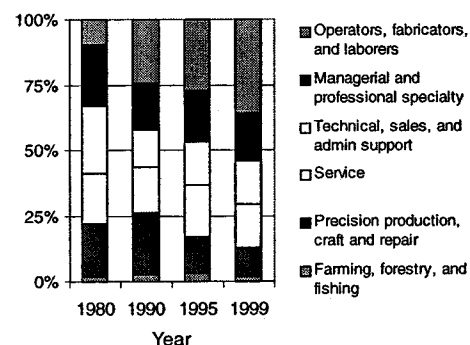


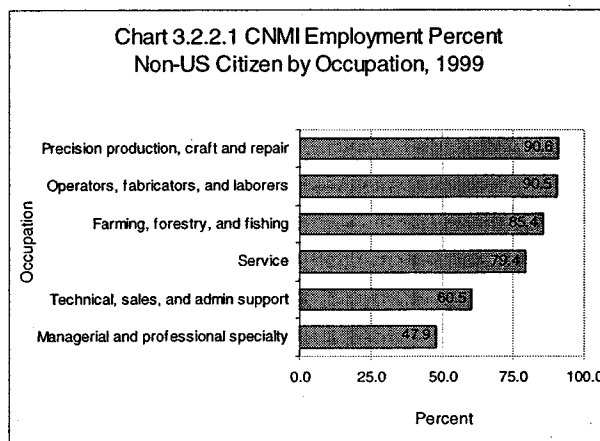
Chart 3.2.1 CNMI Employment Percent Distribution by Occupation, 1980 to 1999



The shift in the relative sizes of the major occupational groups reflects the huge increase in employment in *Manufacturing and Services and Retail trade* relative to other industries, from 1973 to 1999.

### 3.2.2 Employment distribution by Occupation and citizenship

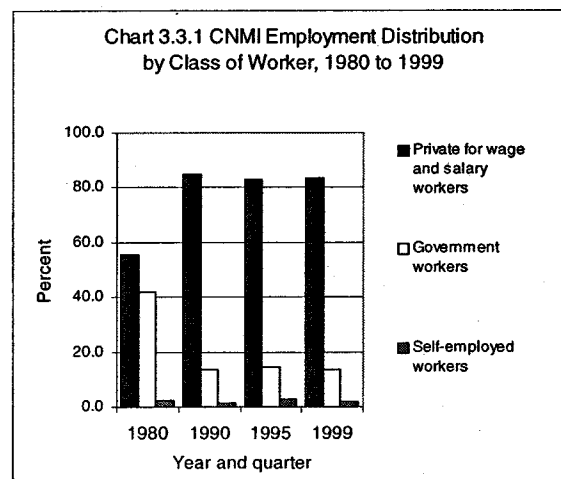
A look at occupational groups by citizenship over time reveals that non-US citizens have become the majority in almost all occupational groups. As shown in Chart 3.2.2.1, *Operator, fabricators, and labors*, *Services*, and *Precision production, craft and repair* are now occupied mostly by non-US citizens, while occupational groups *Managerial and professional specialty* and *Technical, sales, and administrative support* were about evenly distributed between US citizens and non-US citizens. However, in 1980 and prior, US citizens outnumbered non-US citizens in all major occupational groups, except in *Operator, fabricators, and labors*, as shown in Table A.18.0. Recent labor force survey data in the CNMI indicate that this trend has continued up to 1999, as shown in Table A.18.0 in Appendix A.



### 3.3 Employment by Class of Workers

The increased size of the private sector in the CNMI economy is demonstrated by the tremendous increase in the number of employees in the *private for wage and salary workers* relative to *government workers* from 1980 to 1999, as shown in Chart 3.3.1 and in Table A.21.0. In 1980, 56 percent were in *private for wage and salary workers* while 42 percent were *government workers*. But by 1990, 84 percent of total employment were *private for wage and salary workers* and only about 14 percent were *government workers*, as shown in Table A.21.0. in Appendix A. Recent labor force survey data in the CNMI continue to indicate this trend, as shown in Chart 3.3.1 and in Table A.21.0 in Appendix A.

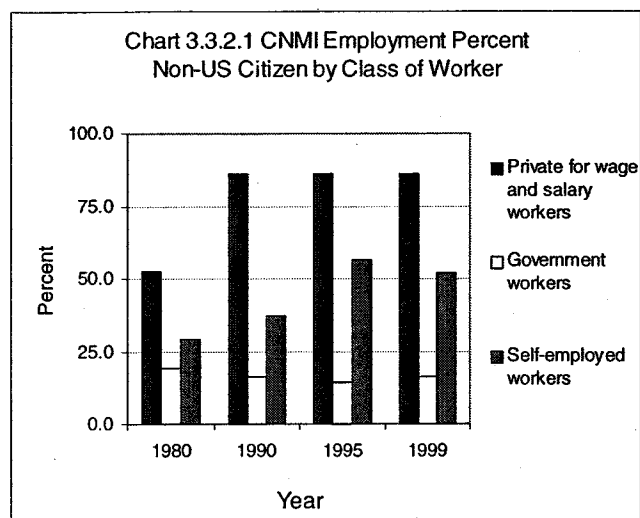
Since 1980, relatively more females than males were employed in the private sector, as shown in Table A.21.0. For example, in 1995, over 85 percent of total female employment were *private for wage and salary workers* while only about 13 percent were *government workers*. That same year, about 80 percent of total male employment were *private for wage and salary workers* while almost 16 percent were *government workers*.





### 3.3:2 Employment distribution by Class of Worker and by Citizenship

In 1980, almost 53 percent of all employed *private for wage and salary workers* were non-US citizens. By 1990, almost 86 percent of all *private for wage and salary workers* were non-US citizens. In contrast, the government sector has been predominantly US citizen during this period. Recent labor force survey in the CNMI continued to show this trend, as shown in Chart 3.3.2.1 and in Table A.22.0 in Appendix A.



## Chapter 4. Unemployment

### 4.0 Unemployment

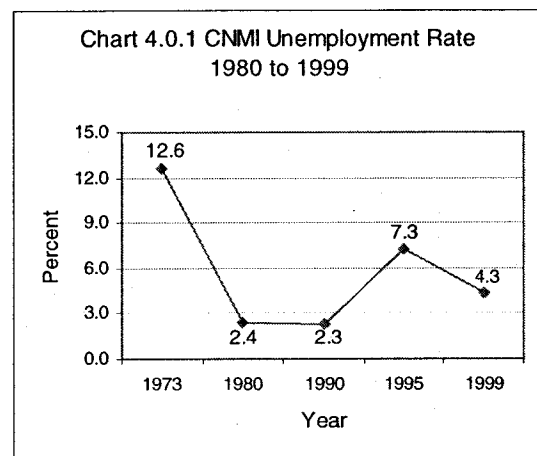
Like the total population and the labor force in the CNMI, unemployment demographics have been influenced by economic growth and the presence of migrant workers in the CNMI.

The unemployment rate in the CNMI fluctuated from 1973 to 1999, as shown in Table A.23.1. In 1973, the CNMI unemployment rate was a high 12.6 percent of the total labor force. But declined to 2.4 percent in 1980 and even lower in 1990 at 2.3 percent. However in 1995 CNMI unemployment rate increased to 7.3 percent.

As shown in Chart 4.0.1, recent labor force survey in the CNMI indicated that unemployment in the CNMI was about 4.3% in the fourth quarter of 1999.

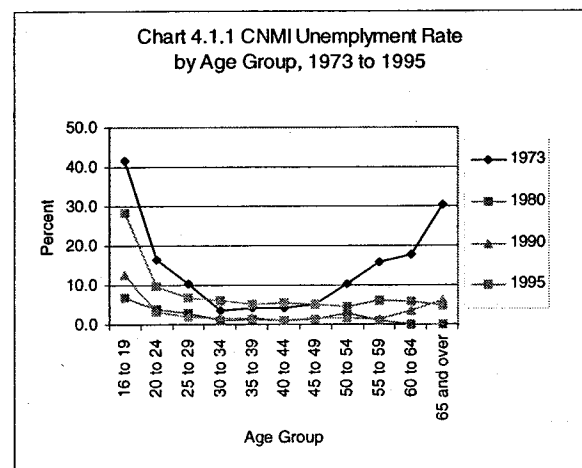
The number of persons not working and looking for work was high in 1973 at 601 persons, declined to 148 persons in 1980, increased more than three times to 616 in 1990 and again increased more than three times from 1990 to 1995 to 2,728. Recent labor force survey in the CNMI indicate that the number of unemployed persons fluctuated but remained above 2,000 persons since 1995.

The population characteristics of unemployed persons, like those of the labor force, have been changing since 1973, again reflecting the influence of the migrant-worker population who now constitute a significant proportion of the CNMI unemployed population.



### 4.1 Unemployment by Age

As shown in Chart 4.1.1, Table A.23.1, unemployment rates across age groups and over time were consistently higher for age group 16 to 19 years of age. This is expected since persons in this age group are just entering the labor force for the first time with little or no work experience and no skills. The unemployment rate was also higher for age groups beyond 54 years of age. The low unemployment rates for the middle age groups is because persons in these age groups are more employable, but more importantly, because the migrant population, who are mostly employed, falls into these age groups and their relatively large numbers drive down unemployment rates in these age groups.



The age distribution of unemployed persons in the CNMI has been changing over time, as shown in Chart 4.1.2 and Table A.23.0. Unemployed persons in 1973 and 1980 were concentrated in ages 29 years and below. But by 1995 and after, the proportion of total unemployed in ages above 29 years of age had increased. This is partly because increasingly, total unemployed persons include migrant workers who were in these higher age groups. Recent labor force surveys in the CNMI indicates that this trend has continued up to 1999.

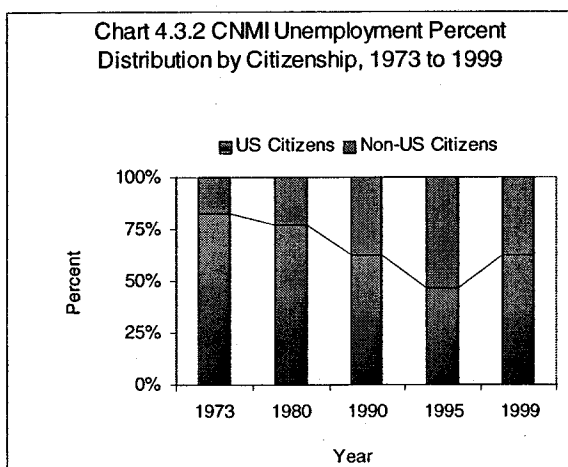
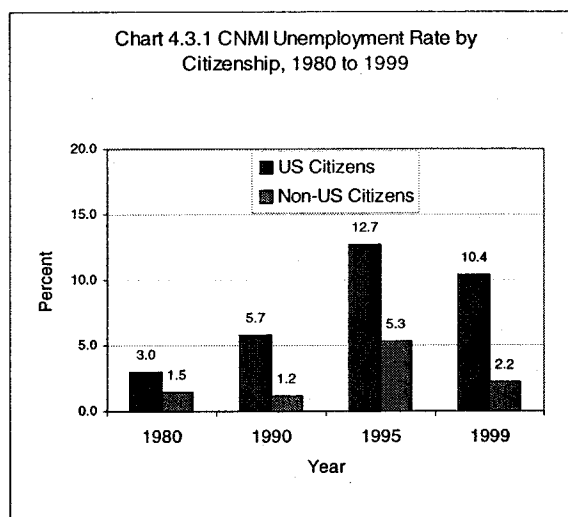
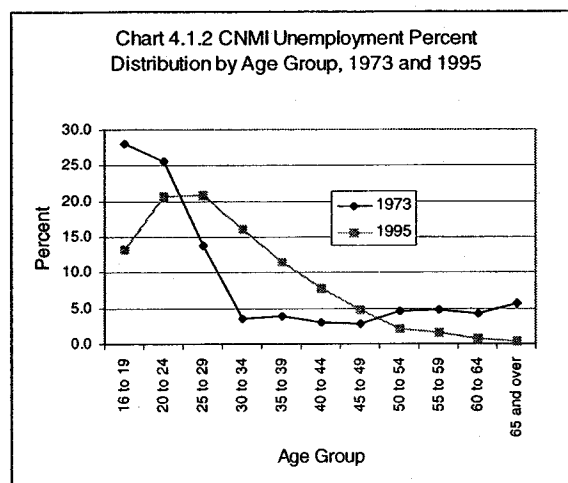
Generally, females have higher unemployment rates than males across age groups. Unemployment percent distribution by sex show that unemployed females tend to be in the younger age groups compared to unemployed males. This follows the age distribution of the migrant-worker population, as discussed earlier.

### 4.3 Unemployment by Citizenship

As shown in Chart 4.3.1 and in Table A.24.1, the unemployment rate is higher for US citizen and permanent residents and lower for non-US citizens, and has been this way since 1973.

However, as shown in Table A.24.0, unemployment distribution by citizenship shows that unemployed non-US citizens has been increasing as a proportion of total unemployment in the CNMI. In 1973 and 1980 unemployed US citizens outnumbered unemployed non-US citizens. As shown in the Chart 4.3.2, in 1973 about 83 percent of total unemployment were US citizens. This proportion declined to 77 percent in 1980, 62.2 percent in 1990 and 46.7 percent in 1995. Recent labor force survey in the CNMI indicate that non-US citizens unemployed still constitute a significant proportion of total unemployment in the CNMI, as shown in Table A.24.0.

Possible reasons for increased numbers of unemployed non-US citizens may be because of displaced employees of companies that have gone out of business. Also, changes in the existing laws that allow for workers to switch employers without leaving the CNMI may allow for short-term unemployment.



#### 4.4 Unemployment by place of birth

Unemployment by place of birth analysis is similar to that of unemployment by citizenship. Persons born in Asian countries who migrated into the CNMI had lower unemployment rates while those born in the CNMI and the Micronesian islands had higher unemployment rates, as shown in Table A.25.1. for CNMI.

However, looking at percent distribution of unemployment by birthplace reveals that persons born in Asia, particularly from the Philippines and China, were becoming larger proportions of total unemployment. In 1973, over 75 percent of total unemployed persons were born in the CNMI. This number declined to less than 50 percent in 1995. In the meantime unemployed persons born in the Philippines was a low 1.8 percent in 1973 but had increased to over 21 percent of total unemployment in 1995. Unemployed born in Micronesia fluctuated more than other groups. Recent labor force surveys in the CNMI indicates the same trend—that persons born outside who migrated into the CNMI have continued to make up a significant proportion of total unemployment in the CNMI.

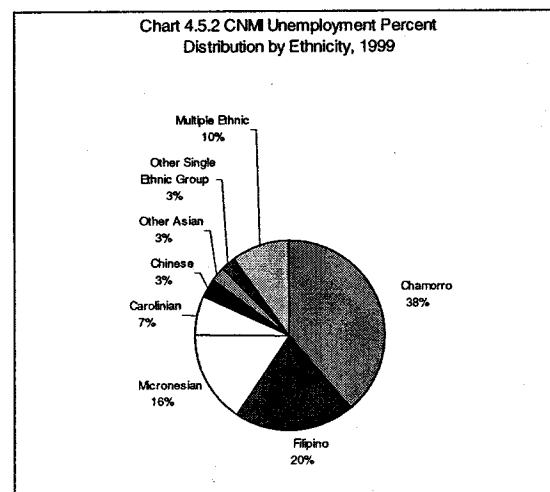
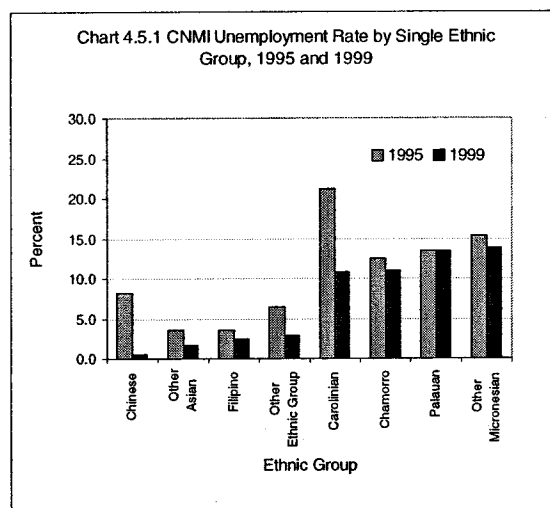
#### 4.5 Unemployment by Ethnicity

As shown in Chart 4.5.1 and in Table A.26.0, unemployment rates were higher for Chamorros and Carolinians and Micronesians and lower for Filipinos, Chinese and other Asians.

The ethnic composition of total unemployment in the CNMI has changed significantly since 1980, as shown in Table A.26.0. In 1980, 59 percent of total unemployment were Chamorros, 15 percent were Carolinians, 8 percent were Palauans, 3 percent were other Micronesians and 5 percent were Filipinos. Since then the Chamorros and Carolinians have declined while the Filipinos, Micronesians, and other Asians have increased as proportions of total unemployment in the CNMI.

Generally, females have higher unemployment rates than males across ethnic groups as shown in Table A.26.1.

Male and female unemployment distributions by ethnic group are quite similar. In both male and female distributions, Chamorro is still the largest group, but declining as proportion of total unemployment. Asians and Micronesians have been increasing as proportions of total unemployment. Persons with multiple ethnic background have been increasing as proportion of total unemployment from less than 2% in 1980 to over 7 percent in 1995. Recent labor force survey data in the CNMI indicated that this trend continued up to 1999, as shown in Table A.26.0.



Appendix A

Time Series Tables on

Population, Labor Force, Employment, Unemployment, and Wages

Commonwealth of the Northern Mariana Islands

1973 to 1999

Table A.1.0 CNMI Population by Age and Sex, 1973 to 1999

SEX AND Age Group	Number of persons					Percent distribution				
	1973	1980	1990	1995	1999*	1973	1980	1990	1995	1999*
All persons	14,496	16,780	43,345	58,846	81,127	100.0	100.0	100.0	100.0	100.0
Less than 5	2,416	2,464	4,139	6,084	6,878	16.7	14.7	9.5	10.3	8.5
05 to 09	2,195	2,148	3,275	4,619	7,296	15.1	12.8	7.6	7.8	9.0
10 to 14	1,920	2,193	2,901	3,600	5,887	13.2	13.1	6.7	6.1	7.3
15 to 19	1,644	1,703	2,773	3,335	5,154	11.3	10.1	6.4	5.7	6.4
20 to 24	1,291	1,512	5,624	6,406	7,909	8.9	9.0	13.0	10.9	9.7
25 to 29	1,023	1,463	6,140	8,914	10,973	7.1	8.7	14.2	15.1	13.5
30 to 34	778	1,303	5,878	7,720	9,318	5.4	7.8	13.6	13.1	11.5
35 to 39	722	864	4,330	6,465	8,541	5.0	5.1	10.0	11.0	10.5
40 to 44	614	824	3,112	4,420	6,309	4.2	4.9	7.2	7.5	7.8
45 to 49	459	660	1,921	3,040	4,990	3.2	3.9	4.4	5.2	6.2
50 to 54	424	496	1,247	1,603	3,272	2.9	3.0	2.9	2.7	4.0
55 to 59	332	388	771	1,053	1,770	2.3	2.3	1.8	1.8	2.2
60 to 64	271	267	458	649	1,433	1.9	1.6	1.1	1.1	1.8
65 to 69	171	228	349	401	582	1.2	1.4	0.8	0.7	0.7
70 to 74	109	139	190	259	340	0.8	0.8	0.4	0.4	0.4
75 to 79	59	78	136	144	237	0.4	0.5	0.3	0.2	0.3
80 to 84	27	36	63	86	175	0.2	0.2	0.1	0.1	0.2
85 and over	41	14	38	48	62	0.3	0.1	0.1	0.1	0.1
All females	6,880	7,963	20,543	29,570	43,339	100.0	100.0	100.0	100.0	100.0
Less than 5	1,174	1,190	2,009	2,970	3,434	17.1	14.9	9.8	10.0	7.9
05 to 09	1,068	1,108	1,589	2,264	3,471	15.5	13.9	7.7	7.7	8.0
10 to 14	923	1,074	1,407	1,792	2,772	13.4	13.5	6.8	6.1	6.4
15 to 19	862	861	1,558	1,719	2,588	12.5	10.8	7.6	5.8	6.0
20 to 24	675	803	3,792	4,208	5,434	9.8	10.1	18.5	14.2	12.5
25 to 29	454	710	3,006	5,283	7,516	6.6	8.9	14.6	17.9	17.3
30 to 34	307	560	2,548	3,817	5,350	4.5	7.0	12.4	12.9	12.3
35 to 39	299	344	1,695	2,840	4,245	4.3	4.3	8.3	9.6	9.8
40 to 44	243	304	1,070	1,786	3,071	3.5	3.8	5.2	6.0	7.1
45 to 49	176	256	569	1,168	2,226	2.6	3.2	2.8	3.9	5.1
50 to 54	189	181	386	568	1,368	2.7	2.3	1.9	1.9	3.2
55 to 59	173	163	305	397	631	2.5	2.0	1.5	1.3	1.5
60 to 64	119	142	196	271	472	1.7	1.8	1.0	0.9	1.1
65 to 69	88	109	154	180	291	1.3	1.4	0.7	0.6	0.7
70 to 74	64	74	105	132	165	0.9	0.9	0.5	0.4	0.4
75 to 79	32	51	84	86	139	0.5	0.6	0.4	0.3	0.3
80 to 84	14	24	41	57	120	0.2	0.3	0.2	0.2	0.3
85 and over	20	9	29	32	47	0.3	0.1	0.1	0.1	0.1
All males	7,616	8,817	22,802	29,276	37,786	100.0	100.0	100.0	100.0	100.0
Less than 5	1,242	1,274	2,130	3,114	3,444	16.3	14.4	9.3	10.6	9.1
05 to 09	1,127	1,040	1,686	2,355	3,825	14.8	11.8	7.4	8.0	10.1
10 to 14	997	1,119	1,494	1,808	3,115	13.1	12.7	6.6	6.2	8.2
15 to 19	782	842	1,215	1,616	2,566	10.3	9.5	5.3	5.5	6.8
20 to 24	616	709	1,832	2,198	2,475	8.1	8.0	8.0	7.5	6.6
25 to 29	569	753	3,134	3,631	3,457	7.5	8.5	13.7	12.4	9.1
30 to 34	471	743	3,330	3,903	3,968	6.2	8.4	14.6	13.3	10.5
35 to 39	423	520	2,635	3,625	4,296	5.6	5.9	11.6	12.4	11.4
40 to 44	371	520	2,042	2,634	3,238	4.9	5.9	9.0	9.0	8.6
45 to 49	283	404	1,352	1,872	2,764	3.7	4.6	5.9	6.4	7.3
50 to 54	235	315	861	1,035	1,904	3.1	3.6	3.8	3.5	5.0
55 to 59	159	225	466	656	1,139	2.1	2.6	2.0	2.2	3.0
60 to 64	152	125	262	378	961	2.0	1.4	1.1	1.3	2.5
65 to 69	83	119	195	221	291	1.1	1.3	0.9	0.8	0.8
70 to 74	45	65	85	127	175	0.6	0.7	0.4	0.4	0.5
75 to 79	27	27	52	58	98	0.4	0.3	0.2	0.2	0.3
80 to 84	13	12	22	29	55	0.2	0.1	0.1	0.1	0.1
85 and over	21	5	9	16	15	0.3	0.1	0.0	0.1	0.0

Table A.2.0 CNMI Population by Citizenship and Sex, 1980 to 1999

SEX AND Citizenship	Number of persons				Percent distribution			
	1980	1990	1995	1999*	1980	1990	1995	1999*
All persons	16,780	43,345	58,846	81,127	100.0	100.0	100.0	100.0
US citizen	13,071	20,082	27,489	39,096	77.9	46.3	46.7	48.2
Born in CNMI	11,993	16,752	22,220	33,155	71.5	38.6	37.8	40.9
Born US or other territory	1,078	2,405	4,061	4,475	6.4	5.5	6.9	5.5
Born abroad of US parents	-	237	189	275	-	0.5	0.3	0.3
Naturalized citizen	-	688	1,019	1,190	-	1.6	1.7	1.5
Not a US citizen	3,709	23,263	31,357	42,030	22.1	53.7	53.3	51.8
Permanent resident	-	2,188	3,405	5,334	-	5.0	5.8	6.6
Temporary resident	-	21,075	27,952	36,697	-	48.6	47.5	45.2
Female	7,963	20,543	29,570	43,339	100.0	100.0	100.0	100.0
US citizen	6,402	9,718	13,276	19,165	80.4	47.3	44.9	44.2
Born in CNMI	5,896	8,211	10,870	16,275	74.0	40.0	36.8	37.6
Born US or other territory	506	1,071	1,786	1,983	6.4	5.2	6.0	4.6
Born abroad of US parents	-	123	82	163	-	0.6	0.3	0.4
Naturalized citizen	-	313	538	745	-	1.5	1.8	1.7
Not a US citizen	1,561	10,825	16,294	24,174	19.6	52.7	55.1	55.8
Permanent resident	-	1,196	1,979	2,982	-	5.8	6.7	6.9
Temporary resident	-	9,629	14,315	21,192	-	46.9	48.4	48.9
Male	8,817	22,802	29,276	37,787	100.0	100.0	100.0	100.0
US citizen	6,669	10,364	14,213	19,931	75.6	45.5	48.5	52.7
Born in CNMI	6,097	8,541	11,350	16,880	69.2	37.5	38.8	44.7
Born US or other territory	572	1,334	2,275	2,492	6.5	5.9	7.8	6.6
Born abroad of US parents	-	114	107	112	-	0.5	0.4	0.3
Naturalized citizen	-	375	481	445	-	1.6	1.6	1.2
Not a US citizen	2,148	12,438	15,063	17,856	24.4	54.5	51.5	47.3
Permanent resident	-	992	1,426	2,352	-	4.4	4.9	6.2
Temporary resident	-	11,446	13,637	15,505	-	50.2	46.6	41.0

Table A.3.0 CNMI Population by Age and Citizenship, 1973 to 1999

Age Group	U.S. Citizens					Non-U.S. Citizens				
	1973	1980	1990	1995	1999*	1973	1980	1990	1995	1999*
All persons	12,186	13,071	20,082	27,489	39,096	2,310	3,709	23,263	31,357	42,030
Less than 5	2,298	2,309	3,896	5,812	6,362	118	155	243	272	516
05 to 09	2,056	1,939	2,864	4,105	6,600	139	209	411	514	697
10 to 14	1,763	1,944	2,418	2,967	4,908	157	249	483	633	979
15 to 19	1,435	1,449	1,859	2,315	3,721	209	254	914	1,020	1,433
20 to 24	1,017	1,137	1,581	1,902	2,787	274	375	4,043	4,504	5,122
25 to 29	752	1,007	1,356	1,962	2,374	271	456	4,784	6,952	8,599
30 to 34	477	796	1,364	1,743	2,206	301	507	4,514	5,977	7,112
35 to 39	468	426	1,253	1,718	2,200	254	438	3,077	4,747	6,341
40 to 44	389	450	981	1,404	1,776	225	374	2,131	3,016	4,532
45 to 49	341	367	607	1,181	1,857	118	293	1,314	1,859	3,134
50 to 54	327	323	557	650	1,451	97	173	690	953	1,821
55 to 64	508	494	741	1,016	1,675	95	161	488	686	1,528
65 and over	355	430	605	714	1,179	52	65	171	224	217
All females	5,957	6,402	9,718	13,276	19,165	923	1,561	10,825	16,294	24,174
Less than 5	1,110	1,112	1,894	2,849	3,061	64	78	115	121	373
05 to 09	1,004	1,000	1,404	2,009	3,188	64	108	185	255	283
10 to 14	839	942	1,164	1,471	2,297	84	132	243	321	476
15 to 19	730	706	948	1,105	1,845	132	155	610	614	743
20 to 24	526	585	794	976	1,359	149	218	2,998	3,232	4,075
25 to 29	361	491	652	956	1,271	93	219	2,354	4,327	6,245
30 to 34	202	367	665	817	1,054	105	193	1,883	3,000	4,296
35 to 39	231	190	616	815	1,066	68	154	1,079	2,025	3,179
40 to 44	192	200	451	653	1,102	51	104	619	1,133	1,969
45 to 49	155	180	242	546	937	21	76	327	622	1,290
50 to 54	156	144	220	274	774	33	37	166	294	594
55 to 64	252	245	342	437	589	40	60	159	231	514
65 and over	199	240	326	368	625	19	27	87	119	137
All males	6,229	6,669	10,364	14,213	19,931	1,387	2,148	12,438	15,063	17,856
Less than 5	1,188	1,197	2,002	2,963	3,301	54	77	128	151	143
05 to 09	1,052	939	1,460	2,096	3,412	75	101	226	259	414
10 to 14	924	1,002	1,254	1,496	2,611	73	117	240	312	503
15 to 19	705	743	911	1,210	1,876	77	99	304	406	690
20 to 24	491	552	787	926	1,428	125	157	1,045	1,272	1,047
25 to 29	391	516	704	1,006	1,103	178	237	2,430	2,625	2,354
30 to 34	275	429	699	926	1,152	196	314	2,631	2,977	2,816
35 to 39	237	236	637	903	1,134	186	284	1,998	2,722	3,162
40 to 44	197	250	530	751	674	174	270	1,512	1,883	2,563
45 to 49	186	187	365	635	920	97	217	987	1,237	1,844
50 to 54	171	179	337	376	677	64	136	524	659	1,227
55 to 64	256	249	399	579	1,086	55	101	329	455	1,014
65 and over	156	190	279	346	554	33	38	84	105	80



Table A.4.0 CNMI Population by Place of Birth, 1973 to 1999

BIRTHPLACE	Number of person					Percent distribution				
	1973	1980	1990	1995	1999*	1973	1980	1990	1995	1999*
All Persons	14,496	16,780	43,345	58,846	81,127	100.0	100.0	100.0	100.0	100.0
Northern Mariana Islands	10,853	11,993	16,752	22,220	33,155	74.9	71.5	38.6	37.8	40.9
Saipan	9,109	10,359	15,020	18,889	30,423	62.8	61.7	34.7	32.1	37.5
Tinian	273	291	357	1,258	431	1.9	1.7	0.8	2.1	0.5
Rota	1,335	1,142	1,148	1,861	2,052	9.2	6.8	2.6	3.2	2.5
Northern Islands	136	201	227	212	248	0.9	1.2	0.5	0.4	0.3
Palau	774	659	1,407	1,409	2,029	5.3	3.9	3.2	2.4	2.5
Guam	175	522	1,122	1,604	1,758	1.2	3.1	2.6	2.7	2.2
Federated States of Micronesia	962	769	1,817	1,961	2,306	6.6	4.6	4.2	3.3	2.8
Chuuk	283	246	969	1,042	1,139	2.0	1.5	2.2	1.8	1.4
Kosrae	72	28	29	48	116	0.5	0.2	0.1	0.1	0.1
Pohnpei	199	275	542	562	978	1.4	1.6	1.3	1.0	1.2
Yap	408	220	273	294	72	2.8	1.3	0.6	0.5	0.1
Marshall Islands	85	115	103	122	235	0.6	0.7	0.2	0.2	0.3
Other Pacific Islands	13	10	93	88	404	0.1	0.1	0.2	0.1	0.5
Asia	968	1,915	20,610	28,781	38,202	6.7	11.4	47.5	48.9	47.1
Bangladesh	-	3	25	459	860	0.0	0.0	0.1	0.8	1.1
China	-	18	2,707	6,743	12,812	0.0	0.1	6.2	11.5	15.8
Japan	170	197	755	952	819	1.2	1.2	1.7	1.6	1.0
Korea	10	109	2,559	1,909	2,090	0.1	0.6	5.9	3.2	2.6
Philippines	774	1,564	13,563	17,866	20,682	5.3	9.3	31.3	30.4	25.5
Other Asia	14	24	1,001	852	940	0.1	0.1	2.3	1.4	1.2
United States	592	553	1,271	2,442	2,671	4.1	3.3	2.9	4.1	3.3
Other US Insular Area	-	9	-	15	47	0.0	0.1	0.0	0.0	0.1
Elsewhere	74	235	170	204	321	0.5	1.4	0.4	0.3	0.4
All Females	8,918	7,963	20,543	29,570	43,339	100.0	100.0	100.0	100.0	100.0
Northern Mariana Islands	6,959	5,896	8,211	10,870	16,275	78.0	74.0	40.0	36.8	37.6
Saipan	5,791	5,080	7,369	9,271	14,851	64.9	63.8	35.9	31.4	34.3
Tinian	138	142	167	605	197	1.5	1.8	0.8	2.0	0.5
Rota	928	573	558	885	1,057	10.4	7.2	2.7	3.0	2.4
Northern Islands	102	101	117	109	170	1.1	1.3	0.6	0.4	0.4
Palau	520	370	741	746	1,136	5.8	4.6	3.6	2.5	2.6
Guam	104	276	576	797	857	1.2	3.5	2.8	2.7	2.0
Federated States of Micronesia	651	406	942	1,032	1,136	7.3	5.1	4.6	3.5	2.6
Chuuk	178	132	525	569	605	2.0	1.7	2.6	1.9	1.4
Kosrae	45	13	14	23	47	0.5	0.2	0.1	0.1	0.1
Pohnpei	123	148	285	291	436	1.4	1.9	1.4	1.0	1.0
Yap	305	113	115	141	50	3.4	1.4	0.6	0.5	0.1
Marshall Islands	47	69	59	66	133	0.5	0.9	0.3	0.2	0.3
Other Pacific Islands	7	5	45	43	155	0.1	0.1	0.2	0.1	0.4
Asia	286	608	9,388	14,941	22,379	3.2	7.6	45.7	50.5	51.6
Bangladesh	-	-	1	7	78	0.0	-	0.0	0.0	0.2
China	-	8	2,021	5,338	10,459	0.0	0.1	9.8	18.1	24.1
Japan	73	68	262	347	329	0.8	0.9	1.3	1.2	0.8
Korea	2	47	1,582	911	1,160	0.0	0.6	7.7	3.1	2.7
Philippines	197	472	4,842	7,754	9,772	2.2	5.9	23.6	26.2	22.5
Other Asia	14	13	680	584	580	0.2	0.2	3.3	2.0	1.3
United States	315	230	488	984	1,103	3.5	2.9	2.4	3.3	2.5
Other US Insular Area	-	6	-	5	23	0.0	0.1	0.0	0.0	0.1
Elsewhere	29	97	93	86	142	0.3	1.2	0.5	0.3	0.3

Table A.5.0 CNMI Population by Ethnicity, 1980 to 1999

Sex Ethnicity	Number of person				Percent distribution			
	1980	1990	1995	1999*	1980	1990	1995	1999*
All persons	16,780	43,345	58,846	81,127	100.0	100.0	100.0	100.0
Chamorro	9,522	12,555	13,844	20,138	56.7	29.0	23.5	24.8
Carolinian	2,280	2,348	2,382	3,767	13.6	5.4	4.0	4.6
Micronesian	1,451	3,491	4,218	5,707	8.6	8.1	7.2	7.0
Palauan	735	1,620	1,929	2,750	4.4	3.7	3.3	3.4
Chuukese	255	1,063	1,237	1,581	1.5	2.5	2.1	1.9
Kosraean	26	17	52	140	0.2	0.0	0.1	0.2
Pohnpeian	198	522	636	876	1.2	1.2	1.1	1.1
Yapese	89	152	198	26	0.5	0.4	0.3	0.0
Marshallese	129	92	113	218	0.8	0.2	0.2	0.3
Other Micronesian	19	25	53	116	0.1	0.1	0.1	0.1
Asian	2,068	21,332	30,676	41,524	12.3	49.2	52.1	51.2
Filipino	1,685	14,160	19,462	23,730	10.0	32.7	33.1	29.3
Chinese/Taiwanese	27	2,899	6,762	12,917	0.2	6.7	11.5	15.9
Japanese	210	784	953	849	1.3	1.8	1.6	1.0
Korean	114	2,571	2,275	2,229	0.7	5.9	3.9	2.7
Other Asian	32	918	1,224	1,798	0.2	2.1	2.1	2.2
White	829	875	1,760	2,426	4.9	2.0	3.0	3.0
Black	11	24	21	70	0.1	0.1	0.0	0.1
Other single ethnicity	66	366	143	287	0.4	0.8	0.2	0.4
Multiple ethnicity	553	2,354	5,802	7,206	3.3	5.4	9.9	8.9
All females	7,963	20,543	29,570	43,339	100.0	100.0	100.0	100.0
Chamorro	4,658	6,158	6,721	9,710	58.5	30.0	22.7	22.4
Carolinian	1,162	1,184	1,213	2,093	14.6	5.8	4.1	4.8
Micronesian	795	1,830	2,215	3,097	10.0	8.9	7.5	7.1
Palauan	408	842	1,015	1,542	5.1	4.1	3.4	3.6
Chuukese	142	578	646	837	1.8	2.8	2.2	1.9
Kosraean	11	8	27	23	0.1	0.0	0.1	0.1
Pohnpeian	106	279	339	458	1.3	1.4	1.1	1.1
Yapese	42	59	92	19	0.5	0.3	0.3	0.0
Marshallese	76	54	68	148	1.0	0.3	0.2	0.3
Other Micronesian	10	10	28	70	0.1	0.0	0.1	0.2
Asian	700	9,742	15,830	23,873	8.8	47.4	53.5	55.1
Filipino	541	5,121	8,497	11,227	6.8	24.9	28.7	25.9
Chinese/Taiwanese	13	2,106	5,277	10,461	0.2	10.3	17.8	24.1
Japanese	79	261	357	329	1.0	1.3	1.2	0.8
Korean	51	1,601	1,148	1,214	0.6	7.8	3.9	2.8
Other Asian	16	653	551	642	0.2	3.2	1.9	1.5
White	347	320	661	962	4.4	1.6	2.2	2.2
Black	4	3	7	70	0.1	0.0	0.0	0.2
Other single ethnicity	33	167	58	148	0.4	0.8	0.2	0.3
Multiple ethnicity	264	1,139	2,865	3,387	3.3	5.5	9.7	7.8

Table A.6.0 Year of Entry of Persons Born Outside and Migrated into the CNMI, 1995 and 1999

Year of Entry	Number of persons born outside	Percent distribution	cummulative Percent distribution
1995			
All Persons born Outside	36,626	100.0	-
1994 or 1995	17,319	47.3	47.3
1990 to 1993	12,357	33.7	81.0
1987 to 1989	3,216	8.8	89.8
1985 to 1986	1,029	2.8	92.6
1980 to 1984	1,269	3.5	96.1
1975 to 1979	605	1.7	97.7
1965 to 1974	547	1.5	99.2
Before 1965	284	0.8	100.0
Non-US citizen	31,357	100.0	-
1994 or 1995	15,284	48.7	48.7
1990 to 1993	10,976	35.0	83.7
1987 to 1989	2,675	8.5	92.3
1985 to 1986	789	2.5	94.8
1980 to 1984	880	2.8	97.6
1975 to 1979	390	1.2	98.8
1965 to 1974	250	0.8	99.6
Before 1965	113	0.4	100.0
1999			
Born outside CNMI (15 yrs +)	44,266	100.0	-
1997 to 1999	20,190	45.6	45.6
1995 to 1996	5,991	13.5	59.1
1990 to 1994	8,781	19.8	79.0
1985 to 1989	4,963	11.2	90.2
1980 to 1984	2,602	5.9	96.1
1975 to 1979	770	1.7	97.8
1965 to 1974	650	1.5	99.3
Before 1965	319	0.7	100.0
Non-US citizen	39,839	100.0	-
1997 to 1999	18,842	47.3	47.3
1995 or 1996	5,792	14.5	61.8
1990 to 1994	7,709	19.4	81.2
1985 to 1989	4,121	10.3	91.5
1980 to 1984	2,200	5.5	97.1
1975 to 1979	668	1.7	98.7
1965 to 1974	438	1.1	99.8
Before 1965	70	0.2	100.0

Table A.7.0 Reason for Migrating into the CNMI, 1995 and 1999

REASON FOR MIGRATION	Number of persons born outside CNMI		Percent distribution		Cumulative percent distribution	
	1995	1999	1995	1999	1995	1999
All Persons	36,626	44,266	100.0	100.0	-	-
Employment	27,558	36,395	75.2	82.2	75.2	82.2
Business	996	1,396	2.7	3.2	78.0	85.4
Spouse of employed person	2,460	1,070	6.7	2.4	84.7	87.8
Dependent of employed person	1,620	1,234	4.4	2.8	89.1	90.6
Family member of employed	975	1,342	2.7	3.0	91.8	93.6
Student attending school/col	173	922	0.5	2.1	92.2	95.7
Missionary activities	27	70	0.1	0.2	92.3	95.9
Visiting/vacation	1,204	983	3.3	2.2	95.6	98.1
Other	1,613	855	4.4	1.9	100.0	100.0

Table A.8.0 Summary of Labor Force Participation by Sex in the CNMI,  
1973 to 1999

	1973	1980	1990	1995	1999
Persons 16 years and over	7,601	9,599	32,522	43,846	59,922
In labor force	4,787	6,089	26,581	37,540	48,693
Percent of 16 + yrs	63.0	63.4	81.7	85.6	81.3
Employed	4,186	5,941	25,965	34,812	46,590
At work 35 or more hours	3,945	5,448	24,573	32,545	...
Unemployed	601	148	616	2,728	2,103
Perct of civilian labor	12.6	2.4	2.3	7.3	4.3
Not in labor force	2,814	3,497	5,933	6,306	11,229
Female 16 years and over	3,533	4,402	15,256	22,211	33,116
In labor force	1,373	2,094	11,491	18,033	25,967
Percent of 16 + yrs	38.9	47.6	75.3	81.2	78.4
Employed	1,075	2,039	11,183	16,475	25,002
At work 35 or more hours	995	1,777	10,526	15,359	...
Unemployed	298	55	308	1,558	965
Perct of civilian labor	21.7	2.6	2.7	8.6	3.7
Not in labor force	2,160	2,308	3,763	4,178	7,149
Male 16 years and over	4,068	5,197	17,266	21,635	26,806
In labor force	3,414	3,995	15,090	19,507	22,726
Percent of 16 + yrs	83.9	76.9	87.4	90.2	84.8
Employed	3,111	3,902	14,782	18,337	21,588
At work 35 or more hours	2,950	3,671	14,047	17,186	...
Unemployed	303	93	308	1,170	1,138
Perct of civilian labor	8.9	2.3	2.0	6.0	5.0
Not in labor force	654	1,189	2,170	2,128	4,080

Table A.9.0 CNMI Labor Force Participation by Age and Sex, 1973 to 1999

Sex Age Group	Number of persons					Percent Distribution				
	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
All persons	4,787	6,089	26,581	37,540	48,693	100.0	100.0	100.0	100.0	100.0
16 to 19	406	416	1,010	1,284	1,505	8.5	6.8	3.8	3.4	3.1
20 to 24	945	1,014	4,861	5,797	6,789	19.7	16.7	18.3	15.4	13.9
25 to 29	808	1,121	5,503	8,259	9,986	16.9	18.4	20.7	22.0	20.5
30 to 34	609	1,018	5,232	7,122	8,298	12.7	16.7	19.7	19.0	17.0
35 to 39	543	697	3,830	5,905	7,447	11.3	11.4	14.4	15.7	15.3
40 to 44	444	636	2,673	3,976	5,578	9.3	10.4	10.1	10.6	11.5
45 to 49	322	491	1,653	2,566	4,353	6.7	8.1	6.2	6.8	8.9
50 to 54	272	333	948	1,321	2,318	5.7	5.5	3.6	3.5	4.8
55 to 59	185	202	496	730	1,355	3.9	3.3	1.9	1.9	2.8
60 to 64	141	87	227	342	708	2.9	1.4	0.9	0.9	1.5
65 and over	112	74	148	238	356	2.3	1.2	0.6	0.6	0.7
All females	1,373	2,094	11,491	18,033	25,967	100.0	100.0	100.0	100.0	100.0
16 to 19	204	208	611	691	743	14.9	9.9	5.3	3.8	2.9
20 to 24	393	489	3,272	3,789	4,749	28.6	23.4	28.5	21.0	18.3
25 to 29	252	458	2,523	4,751	6,723	18.4	21.9	22.0	26.3	25.9
30 to 34	143	327	2,096	3,339	4,562	10.4	15.6	18.2	18.5	17.6
35 to 39	123	200	1,349	2,395	3,414	9.0	9.6	11.7	13.3	13.1
40 to 44	78	156	788	1,468	2,472	5.7	7.4	6.9	8.1	9.5
45 to 49	50	124	393	849	1,720	3.6	5.9	3.4	4.7	6.6
50 to 54	49	59	209	376	821	3.6	2.8	1.8	2.1	3.2
55 to 59	41	31	138	203	429	3.0	1.5	1.2	1.1	1.7
60 to 64	17	22	68	101	183	1.2	1.1	0.6	0.6	0.7
65 and over	23	20	44	71	151	1.7	1.0	0.4	0.4	0.6
All males	3,414	3,995	15,090	19,507	22,726	100.0	100.0	100.0	100.0	100.0
16 to 19	202	208	399	593	762	5.9	5.2	2.6	3.0	3.4
20 to 24	552	525	1,589	2,008	2,040	16.2	13.1	10.5	10.3	9.0
25 to 29	556	663	2,980	3,508	3,263	16.3	16.6	19.7	18.0	14.4
30 to 34	466	691	3,136	3,783	3,736	13.6	17.3	20.8	19.4	16.4
35 to 39	420	497	2,481	3,510	4,033	12.3	12.4	16.4	18.0	17.7
40 to 44	366	480	1,885	2,508	3,106	10.7	12.0	12.5	12.9	13.7
45 to 49	272	367	1,260	1,717	2,633	8.0	9.2	8.3	8.8	11.6
50 to 54	223	274	739	945	1,497	6.5	6.9	4.9	4.8	6.6
55 to 59	144	171	358	527	926	4.2	4.3	2.4	2.7	4.1
60 to 64	124	65	159	241	525	3.6	1.6	1.1	1.2	2.3
65 and over	89	54	104	167	205	2.6	1.4	0.7	0.9	0.9

Table A.9.1 CNMI Labor Force Participation Rates by Age, 1973 to 1999

Age	Labor force participation rates				
	1973	1980	1990	1995	1999
All persons	63.0	63.4	81.7	85.6	81.3
16 to 19	31.7	31.3	44.6	48.7	37.5
20 to 24	73.2	67.1	86.4	90.5	85.8
25 to 29	79.0	76.6	89.6	92.7	91.0
30 to 34	78.3	78.1	89.0	92.3	89.1
35 to 39	75.2	80.7	88.5	91.3	87.2
40 to 44	72.3	77.2	85.9	90.0	88.4
45 to 49	70.2	74.4	86.0	84.4	87.2
50 to 54	64.2	67.1	76.0	82.4	70.8
55 to 59	55.7	52.1	64.3	69.3	76.6
60 to 64	52.0	32.6	49.6	52.7	49.4
65 and over	27.5	14.9	19.1	25.4	25.5
All females	38.9	47.6	75.3	81.2	78.4
16 to 19	30.0	31.0	47.9	49.9	36.4
20 to 24	58.2	60.9	86.3	90.0	87.4
25 to 29	55.5	64.5	83.9	89.9	89.4
30 to 34	46.6	58.4	82.3	87.5	85.3
35 to 39	41.1	58.1	79.6	84.3	80.4
40 to 44	32.1	51.3	73.6	82.2	80.5
45 to 49	28.4	48.4	69.1	72.7	77.3
50 to 54	25.9	32.6	54.1	66.2	60.0
55 to 59	23.7	19.0	45.2	51.1	68.0
60 to 64	14.3	15.5	34.7	37.3	38.8
65 and over	10.6	7.5	10.7	14.6	19.9

Table A.10.0 CNMI Labor Force Participation by Citizenship and Sex, 1973 to 1999

Citizenship	Number of persons					Percent Distribution				
	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
All persons	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
U.S. Citizen	4,787	6,089	26,581	37,540	48,693	100.0	100.0	100.0	100.0	101.0
CNMI born	3,472	3,787	6,685	10,020	12,641	72.5	62.2	25.1	26.7	26.0
Other U.S. citizen	3,092	3,388	5,085	7,050	9,283	64.6	55.6	19.1	18.8	19.1
Not a Citizen	380	399	1,600	2,970	3,357	7.9	6.6	6.0	7.9	6.9
Permanent residence	1,315	2,302	19,896	27,520	36,052	27.5	37.8	74.9	73.3	74.0
Temporary residence	538	620	1,522	1,706	3,463	11.2	10.2	5.7	4.5	7.1
	777	1,682	18,374	25,814	32,589	16.2	27.6	69.1	68.8	66.9
All Female	1,373	2,094	11,491	18,033	25,967	100.0	100.0	100.0	100.0	100.0
U.S. Citizen	1,107	1,443	2,688	4,189	5,502	80.6	68.9	23.4	23.2	21.2
CNMI born	1,004	1,309	2,100	3,003	4,093	73.1	62.5	18.3	16.7	15.8
Other U.S. citizen	103	134	588	1,186	1,409	7.5	6.4	5.1	6.6	5.4
Not a Citizen	266	651	8,803	13,844	20,465	19.4	31.1	76.6	76.8	78.8
Permanent residence	155	260	713	774	1,980	11.3	12.4	6.2	4.3	7.6
Temporary residence	111	391	8,090	13,070	18,485	8.1	18.7	70.4	72.5	71.2
All male	3,414	3,995	15,090	19,507	22,726	100.0	100.0	100.0	100.0	100.0
U.S. Citizen	2,365	2,344	3,997	5,831	7,139	69.3	58.7	26.5	29.9	31.4
CNMI born	2,088	2,079	2,985	4,047	5,190	61.2	52.0	19.8	20.7	22.8
Other U.S. citizen	277	265	1,012	1,784	1,949	8.1	6.6	6.7	9.1	8.6
Not a Citizen	1,049	1,651	11,093	13,676	15,587	30.7	41.3	73.5	70.1	68.6
Permanent residence	383	360	809	932	1,483	11.2	9.0	5.4	4.8	6.5
Temporary residence	666	1,291	10,284	12,744	14,104	19.5	32.3	68.2	65.3	62.1



Table A.10.1 CNMI Labor Force Participation Rates by Citizenship, 1973 to 1999

Citizenship	Labor Force Participation Rates				
	1973	1980	1990	1995	1999
All persons	63.0	63.4	81.7	85.6	81.3
U.S. Citizen	60.4	57.8	63.7	71.2	62.2
CNMI born	59.5	57.0	60.7	67.6	57.7
Other U.S. citizen	69.0	66.0	75.6	81.6	79.0
Not a Citizen	70.8	75.5	90.3	92.4	91.1
Permanent residence	55.3	58.3	68.6	72.0	75.7
Temporary residence	87.9	84.8	92.8	94.2	93.1
All Female	38.9	47.6	75.3	81.2	78.4
U.S. Citizen	39.0	45.3	53.4	62.6	54.1
CNMI born	38.5	44.9	50.7	59.0	49.8
Other U.S. citizen	44.2	48.9	66.2	73.8	71.9
Not a Citizen	38.5	53.6	86.1	89.2	89.2
Permanent residence	31.4	44.4	59.8	61.6	72.9
Temporary residence	56.1	62.1	89.6	91.7	91.4

Table A.11.0 CNMI Labor Force Participation by Birthplace and Sex, 1973 to 1999

Birthplace	Number of persons					Percent Distribution				
	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
All persons	4,787	6,089	26,581	37,540	48,695	100.0	100.0	100.0	100.0	100.0
CNMI	3,092	3,388	5,085	7,050	9,283	64.6	55.6	19.1	18.8	19.1
Saipan & N. Is.	2,629	2,898	4,398	5,813	7,994	54.9	47.6	16.5	15.5	16.4
Tinian	97	88	159	418	296	2.0	1.4	0.6	1.1	0.6
Rota	366	402	528	819	994	7.6	6.6	2.0	2.2	2.0
Palau	262	305	815	915	1,055	5.5	5.0	3.1	2.4	2.2
FSM	276	315	905	1,037	1,306	5.8	5.2	3.4	2.8	2.7
Asia	725	1,518	18,530	26,104	34,040	15.1	24.9	69.7	69.5	69.9
Philippines	617	1,320	12,538	16,535	17,955	12.9	21.7	47.2	44.0	36.9
China	108	9	2,644	6,496	12,657	2.3	0.1	9.9	17.3	26.0
Guam/US	380	397	1,044	2,167	2,450	7.9	6.5	3.9	5.8	5.0
Elsewhere	52	166	202	267	561	1.1	2.7	0.8	0.7	1.2
All females	1,373	2,094	11,491	18,033	25,967	100.0	100.0	100.0	100.0	100.0
CNMI	1,004	1,309	2,100	3,003	4,093	73.1	62.5	18.3	16.7	15.8
Saipan & N. Is.	857	1,116	1,836	2,476	3,544	62.4	53.3	16.0	13.7	13.6
Tinian	33	35	55	167	128	2.4	1.7	0.5	0.9	0.5
Rota	114	158	209	360	421	8.3	7.5	1.8	2.0	1.6
Palau	81	149	408	428	628	5.9	7.1	3.6	2.4	2.4
FSM	74	111	397	466	515	5.4	5.3	3.5	2.6	2.0
Asia	99	346	8,135	13,223	19,634	7.2	16.5	70.8	73.3	75.6
Philippines	78	308	4,236	6,926	7,987	5.7	14.7	36.9	38.4	30.8
China	21	1	1,987	5,173	10,307	1.5	0.0	17.3	28.7	39.7
Guam/US	103	134	356	805	909	7.5	6.4	3.1	4.5	3.5
Elsewhere	12	45	95	108	188	0.9	2.1	0.8	0.6	0.7
All males	3,414	3,995	15,090	19,507	22,728	100.0	100.0	100.0	100.0	100.0
CNMI	2,088	2,079	2,985	4,047	5,190	61.2	52.0	19.8	20.7	22.8
Saipan & N. Is.	1,772	1,782	2,562	3,337	4,450	51.9	44.6	17.0	17.1	19.6
Tinian	64	53	104	251	168	1.9	1.3	0.7	1.3	0.7
Rota	252	244	319	459	573	7.4	6.1	2.1	2.4	2.5
Palau	181	156	407	487	427	5.3	3.9	2.7	2.5	1.9
FSM	202	204	508	571	791	5.9	5.1	3.4	2.9	3.5
Asia	626	1,172	10,395	12,881	14,406	18.3	29.3	68.9	66.0	63.4
Philippines	539	1,012	8,302	9,609	9,968	15.8	25.3	55.0	49.3	43.9
China	87	8	657	1,323	2,350	2.5	0.2	4.4	6.8	10.3
Guam/US	277	263	688	1,362	1,541	8.1	6.6	4.6	7.0	6.8
Elsewhere	40	121	107	159	373	1.2	3.0	0.7	0.8	1.6

Table A.11.1 CNMI Labor Force Participation Rates by Birthplace, 1973 to 1999

Birthplace	Labor Force Participation Rates				
	1973	1980	1990	1995	1999
All persons	63.0	63.4	81.7	85.6	81.3
CNMI 59.5	57.0	60.7	67.6	57.7	
Saipan & N. Is.	59.4	57.0	60.7	66.3	56.5
Tinian	67.8	57.9	63.9	80.1	81.3
Rota	58.5	56.9	59.7	71.4	60.3
Palau	60.9	61.6	70.6	74.9	62.2
FSM	50.8	55.4	63.5	67.7	68.3
Asia	89.2	87.4	92.9	94.0	93.4
Philippines	94.1	90.8	94.3	95.4	92.6
China	68.8	69.2	98.0	97.4	99.3
Guam/US	69.0	65.9	79.2	84.4	87.3
Elsewhere	73.2	66.4	69.4	82.4	83.3
All females	38.9	47.6	75.3	81.2	78.4
CNMI 38.5	44.9	50.7	59.0	49.8	
Saipan & N. Is.	38.7	45.1	51.0	57.5	48.5
Tinian	52.4	47.3	49.1	73.6	84.2
Rota	34.3	43.2	48.9	64.5	50.2
Palau	36.7	53.2	65.8	65.6	60.3
FSM	27.2	36.4	52.5	57.2	53.9
Asia	56.9	66.0	89.7	91.5	92.0
Philippines	68.4	73.9	89.9	92.3	88.7
China	35.0	20.0	98.5	97.6	99.1
Guam/US	44.2	48.9	69.7	76.4	74.2
Elsewhere	50.0	42.5	59.0	70.1	57.3

Table A.12.0 CNMI Labor Force Participation by Ethnicity and Sex, 1980 to 1999

Ethnic Group	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
All persons	6,089	26,581	37,540	48,693	100.0	100.0	100.0	100.0
Total single ethnic	5,997	26,092	36,307	47,218	98.5	98.2	96.7	97.0
Chamorro	2,885	4,312	5,716	7,453	47.4	16.2	15.2	15.3
Carolinian	602	805	907	1,302	9.9	3.0	2.4	2.7
Palauan	278	795	1,041	1,101	4.6	3.0	2.8	2.3
Other Micronesia	226	841	1,050	1,337	3.7	3.2	2.8	2.7
Filipino	1,319	12,475	16,548	18,124	21.7	46.9	44.1	37.2
Chinese	18	2,760	6,421	12,647	0.3	10.4	17.1	26.0
Other Asian	195	3,253	3,131	3,365	3.2	12.2	8.3	6.9
Other single	474	851	1,493	1,889	7.8	3.2	4.0	3.9
Multiple ethnic	92	489	1,233	1,475	1.5	1.8	3.3	3.0
All females	2,094	11,491	18,033	25,967	100.0	100.0	100.0	100.0
Total single ethnic	2,057	11,289	17,484	25,400	98.2	98.2	97.0	97.8
Chamorro	1,124	1,789	2,449	3,264	53.7	15.6	13.6	12.6
Carolinian	220	342	365	558	10.5	3.0	2.0	2.1
Palauan	143	391	490	698	6.8	3.4	2.7	2.7
Other Micronesia	77	375	474	539	3.7	3.3	2.6	2.1
Filipino	314	4,198	6,928	8,073	15.0	36.5	38.4	31.1
Chinese	6	2,031	5,061	10,262	0.3	17.7	28.1	39.5
Other Asian	41	1,888	1,230	1,378	2.0	16.4	6.8	5.3
Other single	132	275	487	628	6.3	2.4	2.7	2.4
Multiple ethnic	37	202	549	567	1.8	1.8	3.0	2.2
All males	3,995	15,090	19,507	22,726	100.0	100.0	100.0	100.0
Total single ethnic	3,940	14,803	18,823	21,818	98.6	98.1	96.5	96.0
Chamorro	1,761	2,523	3,267	4,189	44.1	16.7	16.7	18.4
Carolinian	382	463	542	744	9.6	3.1	2.8	3.3
Palauan	135	404	551	403	3.4	2.7	2.8	1.8
Other Micronesia	149	466	576	798	3.7	3.1	3.0	3.5
Filipino	1,005	8,277	9,620	10,051	25.2	54.9	49.3	44.2
Chinese	12	729	1,360	2,385	0.3	4.8	7.0	10.5
Other Asian	154	1,365	1,901	1,987	3.9	9.0	9.7	8.7
Other single	342	576	1,006	1,261	8.6	3.8	5.2	5.5
Multiple ethnic	55	287	684	908	1.4	1.9	3.5	4.0

Table A.12.1 CNMI Labor Force Participation by Ethnicity,  
1980 to 1999

Ethnic Group	Labor Force Participation Rates			
	1980	1990	1995	1999
All persons	63.4	81.7	85.6	81.3
Total single ethnic	63.5	82.2	86.3	81.9
Chamorro	58.1	61.9	69.4	58.7
Carolinian	49.8	54.7	59.6	54.4
Palauan	63.9	72.4	76.0	62.4
Other Micronesia	51.4	64.1	68.2	62.6
Filipino	89.9	94.1	95.4	92.4
Chinese	78.3	97.4	97.3	99.3
Other Asian	69.9	85.4	81.9	79.1
Other single	76.0	84.5	91.1	90.3
Multiple ethnic	58.6	64.1	69.9	65.9
All females	47.6	75.3	81.2	78.4
Total single ethnic	47.6	75.7	81.9	79.0
Chamorro	45.8	52.4	62.0	50.8
Carolinian	36.7	44.4	46.0	42.1
Palauan	56.7	65.9	66.7	62.4
Other Micronesia	32.4	52.4	57.2	49.8
Filipino	72.5	89.8	92.3	88.6
Chinese	54.5	97.8	97.5	99.1
Other Asian	38.0	82.3	70.0	70.4
Other single	58.1	75.1	83.2	80.9
Multiple ethnic	48.1	57.2	63.2	58.8

Table A.13.0 CNMI Total Employment by Major Industries, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	5,941	25,965	34,812	46,590	99.9	100.0	100.0	98.9
Agriculture	103	551	371	199	1.7	2.1	1.1	0.4
Forestry and fisheries	19	70	48	23	0.3	0.3	0.1	0.0
Mining	4	79	138	155	0.1	0.3	0.4	0.3
Construction	1,000	5,767	3,489	2,953	16.8	22.2	10.0	6.3
Manufacturing	110	5,688	7,770	14,778	1.9	21.9	22.3	31.7
Nondurable goods	79	5,514	7,630	14,498	1.3	21.2	21.9	31.1
Durable goods	31	174	140	280	0.5	0.7	0.4	0.6
Transportation, communic, & other util	517	1,635	2,540	1,859	8.7	6.3	7.3	4.0
Wholesale trade	101	365	518	1,445	1.7	1.4	1.5	3.1
Retail trade	818	3,090	5,462	4,330	13.8	11.9	15.7	9.3
Eating places	231	1,123	2,142	-	3.9	4.3	6.2	0.0
Finance, insurance, and real estate	163	518	723	972	2.7	2.0	2.1	2.1
Services	1,836	6,793	11,201	14,786	30.9	26.2	32.2	31.7
Business and repair services	181	837	1,560	2,623	3.0	3.2	4.5	5.6
Personal services	706	3,353	5,103	8,136	11.9	12.9	14.7	17.5
Hotels and Motels	547	1,807	2,618	5,391	9.2	7.0	7.5	11.6
Entertainment and recreation services	54	544	860	882	0.9	2.1	2.5	1.9
Professional and related services	895	2,059	3,360	3,146	15.1	7.9	9.7	6.8
Public administration	1,264	1,409	2,552	4,572	21.3	5.4	7.3	9.8
Employed females 16 years and over	2,039	11,183	16,475	25,002	100.0	100.0	100.0	98.9
Agriculture	6	15	27	17	0.3	0.1	0.2	0.1
Forestry and fisheries	1	4	5	-	0.0	0.0	0.0	0.0
Mining	-	4	10	23	-	0.0	0.1	0.1
Construction	28	211	133	170	1.4	1.9	0.8	0.7
Manufacturing	28	4,347	5,973	11,062	1.4	38.9	36.3	44.2
Nondurable goods	25	4,308	5,956	11,007	1.2	38.5	36.2	44.0
Durable goods	3	39	17	55	0.1	0.3	0.1	0.2
Transportation, communic, & other util	99	375	667	480	4.9	3.4	4.0	1.9
Wholesale trade	23	85	150	296	1.1	0.8	0.9	1.2
Retail trade	465	1,750	3,027	2,176	22.8	15.6	18.4	8.7
Eating places	176	777	1,354	-	8.6	6.9	8.2	0.0
Finance, insurance, and real estate	96	245	384	465	4.7	2.2	2.3	1.9
Services	935	3,704	5,345	8,115	45.9	33.1	32.4	32.5
Business and repair services	28	189	438	1,094	1.4	1.7	2.7	4.4
Personal services	412	2,109	2,777	5,017	20.2	18.9	16.9	20.1
Hotels and Motels	270	699	986	2,846	13.2	6.3	6.0	11.4
Entertainment and recreation services	12	249	230	324	0.6	2.2	1.4	1.3
Professional and related services	483	1,157	1,748	1,681	23.7	10.3	10.6	6.7
Public administration	357	443	754	1,917	17.5	4.0	4.6	7.7
Employed males 16 years and over	3,902	14,782	18,337	21,588	99.9	100.0	100.0	98.9
Agriculture	97	536	344	182	2.5	3.6	1.9	0.8
Forestry and fisheries	18	66	43	23	0.5	0.4	0.2	0.1
Mining	4	75	128	132	0.1	0.5	0.7	0.6
Construction	972	5,556	3,356	2,783	24.9	37.6	18.3	12.9
Manufacturing	82	1,341	1,797	3,716	2.1	9.1	9.8	17.2
Nondurable goods	54	1,206	1,674	3,491	1.4	8.2	9.1	16.2
Durable goods	28	135	123	225	0.7	0.9	0.7	1.0
Transportation, communic, & other util	418	1,260	1,873	1,379	10.7	8.5	10.2	6.4
Wholesale trade	78	280	368	1,149	2.0	1.9	2.0	5.3
Retail trade	353	1,340	2,435	2,154	9.0	9.1	13.3	10.0
Eating places	55	346	788	-	1.4	2.3	4.3	0.0
Finance, insurance, and real estate	67	273	339	507	1.7	1.8	1.8	2.3
Services	901	3,089	5,856	6,671	23.1	20.9	31.9	30.9
Business and repair services	153	648	1,122	1,529	3.9	4.4	6.1	7.1
Personal services	294	1,244	2,326	3,119	7.5	8.4	12.7	14.4
Hotels and Motels	277	1,108	1,632	2,545	7.1	7.5	8.9	11.8
Entertainment and recreation services	42	295	630	558	1.1	2.0	3.4	2.6
Professional and related services	412	902	1,612	1,465	10.6	6.1	8.8	6.8
Public administration	907	966	1,798	2,655	23.2	6.5	9.8	12.3

Table A.14.0 CNMI Employment by Major Industries and Citizenship, 1980 to 1999

Citizenship Industry	1980	Number of persons		
		1990	1995	1999
US Citizens				
Employed persons 16 years and over	3,673	6,302	8,745	11,328
Agriculture	48	42	23	33
Forestry and fisheries	18	16	14	23
Mining	2	8	15	55
Construction	244	347	143	123
Manufacturing	41	251	338	727
Nondurable goods	31	216	318	704
Durable goods	10	35	20	23
Transportation, communic, & other util	387	864	1,168	799
Wholesale trade	79	139	169	256
Retail trade	492	873	1,100	936
Eating places	102	113	191	-
Finance, insurance, and real estate	139	335	325	476
Services	1,184	2,127	3,111	3,798
Business and repair services	95	153	163	538
Personal services	355	374	473	1,058
Hotels and Motels	329	337	396	923
Entertainment and recreation services	33	140	223	204
Professional and related services	701	1,460	2,032	1,998
Public administration	1,033	1,300	2,339	3,928
Non-US Citizens				
Employed persons 16 years and over	2,268	19,663	26,067	35,262
Agriculture	55	509	348	166
Forestry and fisheries	1	54	34	-
Mining	2	71	123	101
Construction	756	5,420	3,346	2,830
Manufacturing	69	5,437	7,432	14,051
Nondurable goods	48	5,298	7,312	13,795
Durable goods	21	139	120	257
Transportation, communic, & other util	130	771	1,372	1,060
Wholesale trade	22	226	349	1,189
Retail trade	326	2,217	4,362	3,393
Eating places	129	1,010	1,951	-
Finance, insurance, and real estate	24	183	398	496
Services	652	4,666	8,090	10,989
Business and repair services	86	684	1,397	2,085
Personal services	351	2,979	4,630	7,078
Hotels and Motels	218	1,470	2,222	4,469
Entertainment and recreation services	21	404	637	679
Professional and related services	194	599	1,328	1,147
Public administration	231	109	213	644
Percent Non-US Citizen				
Employed persons 16 years and over	38.2	75.7	74.9	75.7
Agriculture	53.4	92.4	93.8	83.4
Forestry and fisheries	5.3	77.1	70.8	0.0
Mining	50.0	89.9	89.1	64.7
Construction	75.6	94.0	95.9	95.8
Manufacturing	62.7	95.6	95.6	95.1
Nondurable goods	60.8	96.1	95.8	95.1
Durable goods	67.7	79.9	85.7	91.8
Transportation, communic, & other util	25.1	47.2	54.0	57.0
Wholesale trade	21.8	61.9	67.4	82.3
Retail trade	39.9	71.7	79.9	78.4
Eating places	55.8	89.9	91.1	-
Finance, insurance, and real estate	14.7	35.3	55.0	51.0
Services	35.5	68.7	72.2	74.3
Business and repair services	47.5	81.7	89.6	79.5
Personal services	49.7	88.8	90.7	87.0
Hotels and Motels	39.9	81.4	84.9	82.9
Entertainment and recreation services	38.9	74.3	74.1	76.9
Professional and related services	21.7	29.1	39.5	36.5
Public administration	18.3	7.7	8.3	14.1

Table A.15.0 Born in the CNMI Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	3,279	4,745	6,040	8,150	100.0	100.0	100.0	100.0
Agriculture	46	36	18	33	1.4	0.8	0.3	0.4
Forestry and fisheries	16	13	8	-	0.5	0.3	0.1	0.0
Mining	2	2	8	32	0.1	0.0	0.1	0.4
Construction	221	241	76	50	6.7	5.1	1.3	0.6
Manufacturing	36	182	240	618	1.1	3.8	4.0	7.6
Nondurable goods	28	159	232	618	0.9	3.4	3.8	7.6
Durable goods	8	23	8	-	0.2	0.5	0.1	0.0
Transportation, communic, & other util	361	679	795	597	11.0	14.3	13.2	7.3
Wholesale trade	74	89	110	163	2.3	1.9	1.8	2.0
Retail trade	447	653	739	740	13.6	13.8	12.2	9.1
Eating places	95	73	121	-	2.9	1.5	2.0	0.0
Finance, insurance, and real estate	129	249	220	242	3.9	5.2	3.6	3.0
Services	1,035	1,473	1,847	2,198	31.6	31.0	30.6	27.0
Business and repair services	86	95	123	341	2.6	2.0	2.0	4.2
Personal services	332	253	264	687	10.1	5.3	4.4	8.4
Hotels and Motels	308	225	229	569	9.4	4.7	3.8	7.0
Entertainment and recreation services	28	93	131	161	0.9	2.0	2.2	2.0
Professional and related services	589	1,032	1,329	1,008	18.0	21.7	22.0	12.4
Public administration	907	1,128	1,979	3,391	27.7	23.8	32.8	41.6
Employed females 16 years and over	1,271	1,939	2,499	3,608	100.0	100.0	100.0	99.1
Agriculture	4	6	2	8	0.3	0.3	0.1	0.2
Forestry and fisheries	1	-	1	-	0.1	0.0	0.0	0.0
Mining	-	1	1	-	0.0	0.1	0.0	0.0
Construction	14	43	14	23	1.1	2.2	0.6	0.6
Manufacturing	12	94	117	211	0.9	4.8	4.7	5.8
Nondurable goods	11	85	116	211	0.9	4.4	4.6	5.8
Durable goods	1	9	1	-	0.1	0.5	0.0	0.0
Transportation, communic, & other util	73	178	226	186	5.7	9.2	9.0	5.2
Wholesale trade	16	21	14	23	1.3	1.1	0.6	0.6
Retail trade	266	347	395	317	20.9	17.9	15.8	8.8
Eating places	79	42	66	-	6.2	2.2	2.6	0.0
Finance, insurance, and real estate	80	138	144	126	6.3	7.1	5.8	3.5
Services	546	758	992	1,192	43.0	39.1	39.7	33.0
Business and repair services	16	17	33	116	1.3	0.9	1.3	3.2
Personal services	200	120	115	397	15.7	6.2	4.6	11.0
Hotels and Motels	182	107	98	318	14.3	5.5	3.9	8.8
Entertainment and recreation services	7	29	30	38	0.6	1.5	1.2	1.1
Professional and related services	323	592	814	641	25.4	30.5	32.6	17.8
Public administration	258	353	593	1,489	20.3	18.2	23.7	41.3
Employed males 16 years and over	2,008	2,806	3,541	4,542	100.0	100.0	100.0	98.8
Agriculture	42	30	16	25	2.1	1.1	0.5	0.6
Forestry and fisheries	15	13	7	-	0.7	0.5	0.2	0.0
Mining	2	1	7	32	0.1	0.0	0.2	0.7
Construction	207	198	62	27	10.3	7.1	1.8	0.6
Manufacturing	24	88	123	407	1.2	3.1	3.5	9.0
Nondurable goods	17	74	116	407	0.8	2.6	3.3	9.0
Durable goods	7	14	7	-	0.3	0.5	0.2	0.0
Transportation, communic, & other util	288	501	569	411	14.3	17.9	16.1	9.0
Wholesale trade	58	68	96	140	2.9	2.4	2.7	3.1
Retail trade	181	306	344	423	9.0	10.9	9.7	9.3
Eating places	16	31	55	-	0.8	1.1	1.6	0.0
Finance, insurance, and real estate	49	111	76	116	2.4	4.0	2.1	2.6
Services	489	715	855	1,006	24.4	25.5	24.1	22.1
Business and repair services	70	78	90	225	3.5	2.8	2.5	5.0
Personal services	132	133	149	290	6.6	4.7	4.2	6.4
Hotels and Motels	126	118	131	251	6.3	4.2	3.7	5.5
Entertainment and recreation services	21	64	101	123	1.0	2.3	2.9	2.7
Professional and related services	266	440	515	367	13.2	15.7	14.5	8.1
Public administration	649	775	1,386	1,902	32.3	27.6	39.1	41.9



Table A.15.1 Born in Micronesia Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	601	1,598	1,684	2,097	100.0	100.0	100.0	100.0
Agriculture	6	9	3	-	1.0	0.6	0.2	-
Forestry and fisheries	1	5	3	-	0.2	0.3	0.2	-
Mining	1	1	1	-	0.2	0.1	0.1	-
Construction	30	25	7	23	5.0	1.6	0.4	1.1
Manufacturing	6	363	360	469	1.0	22.7	21.4	22.4
Nondurable goods	3	330	357	469	0.5	20.7	21.2	22.4
Durable goods	3	33	3	-	0.5	2.1	0.2	-
Transportation, communic, & other util	52	236	273	310	8.7	14.8	16.2	14.8
Wholesale trade	15	37	30	93	2.5	2.3	1.8	4.4
Retail trade	82	313	326	287	13.6	19.6	19.4	13.7
Eating places	25	33	40	-	4.2	2.1	2.4	-
Finance, insurance, and real estate	10	44	51	46	1.7	2.8	3.0	2.2
Services	241	494	506	551	40.1	30.9	30.0	26.3
Business and repair services	15	49	33	117	2.5	3.1	2.0	5.6
Personal services	105	204	198	249	17.5	12.8	11.8	11.9
Hotels and Motels	87	191	175	225	14.5	12.0	10.4	10.7
Entertainment and recreation services	5	23	45	23	0.8	1.4	2.7	1.1
Professional and related services	116	218	230	163	19.3	13.6	13.7	7.8
Public administration	157	71	124	240	26.1	4.4	7.4	11.4
Employed females 16 years and over	249	745	751	1,066	100.0	100.0	100.0	95.8
Agriculture	-	-	1	-	-	-	0.1	-
Forestry and fisheries	-	-	-	-	-	-	-	-
Mining	-	-	-	-	-	-	-	-
Construction	2	-	-	-	0.8	-	-	-
Manufacturing	1	207	193	377	0.4	27.8	25.7	35.4
Nondurable goods	1	194	193	377	0.4	26.0	25.7	35.4
Durable goods	-	13	-	-	-	1.7	-	-
Transportation, communic, & other util	8	53	50	46	3.2	7.1	6.7	4.3
Wholesale trade	5	9	9	-	2.0	1.2	1.2	-
Retail trade	58	187	187	140	23.3	25.1	24.9	13.1
Eating places	17	22	23	-	6.8	3.0	3.1	-
Finance, insurance, and real estate	7	22	34	46	2.8	3.0	4.5	4.3
Services	132	248	249	272	53.0	33.3	33.2	25.5
Business and repair services	5	6	8	23	2.0	0.8	1.1	2.2
Personal services	66	97	94	156	26.5	13.0	12.5	14.6
Hotels and Motels	49	86	82	156	19.7	11.5	10.9	14.6
Entertainment and recreation services	-	9	14	-	-	1.2	1.9	-
Professional and related services	61	136	133	93	24.5	18.3	17.7	8.7
Public administration	36	19	28	140	14.5	2.6	3.7	13.1
Employed males 16 years and over	352	853	933	1,031	100.0	100.0	100.0	96.8
Agriculture	6	9	2	-	1.7	1.1	0.2	-
Forestry and fisheries	1	5	3	-	0.3	0.6	0.3	-
Mining	1	1	1	-	0.3	0.1	0.1	-
Construction	28	25	7	23	8.0	2.9	0.8	2.2
Manufacturing	5	156	167	92	1.4	18.3	17.9	8.9
Nondurable goods	2	136	164	92	0.6	15.9	17.6	8.9
Durable goods	3	20	3	-	0.9	2.3	0.3	-
Transportation, communic, & other util	44	183	223	264	12.5	21.5	23.9	25.6
Wholesale trade	10	28	21	93	2.8	3.3	2.3	9.0
Retail trade	24	126	139	147	6.8	14.8	14.9	14.3
Eating places	8	11	17	-	2.3	1.3	1.8	-
Finance, insurance, and real estate	3	22	17	-	0.9	2.6	1.8	-
Services	109	246	257	279	31.0	28.8	27.5	27.1
Business and repair services	10	43	25	94	2.8	5.0	2.7	9.1
Personal services	39	107	104	93	11.1	12.5	11.1	9.0
Hotels and Motels	38	105	93	69	10.8	12.3	10.0	6.7
Entertainment and recreation services	5	14	31	23	1.4	1.6	3.3	2.2
Professional and related services	55	82	97	70	15.6	9.6	10.4	6.8
Public administration	121	52	96	100	34.4	6.1	10.3	9.7

Table A.15.2 Born in the Philippines Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	1,311	12,441	15,951	17,575	100.0	100.0	100.0	100.0
Agriculture	43	472	258	50	3.3	3.8	1.6	0.3
Forestry and fisheries	-	41	28	-	0.0	0.3	0.2	0.0
Mining	-	73	114	101	0.0	0.6	0.7	0.6
Construction	655	5,148	3,091	2,448	50.0	41.4	19.4	13.9
Manufacturing	53	778	1,263	1,654	4.0	6.3	7.9	9.4
Nondurable goods	43	709	1,167	1,445	3.3	5.7	7.3	8.2
Durable goods	10	69	96	209	0.8	0.6	0.6	1.2
Transportation, communic. & other util	39	375	754	619	3.0	3.0	4.7	3.5
Wholesale trade	3	150	278	1,049	0.2	1.2	1.7	6.0
Retail trade	180	1,526	3,184	2,241	13.7	12.3	20.0	12.8
Eating places	82	811	1,539	-	6.3	6.5	9.6	0.0
Finance, insurance, and real estate	9	109	285	405	0.7	0.9	1.8	2.3
Services	290	3,721	6,546	8,348	22.1	29.9	41.0	47.5
Business and repair services	50	518	1,437	1,235	3.8	4.2	9.0	7.0
Personal services	188	2,508	3,956	5,729	14.3	20.2	24.8	32.6
Hotels and Motels	75	1,142	1,788	3,585	5.7	9.2	11.2	20.4
Entertainment and recreation services	8	303	496	535	0.6	2.4	3.1	3.0
Professional and related services	44	392	657	849	3.4	3.2	4.1	4.8
Public administration	39	48	150	365	3.0	0.4	0.9	2.1
Employed females 16 years and over	304	4,181	6,582	7,740	100.0	100.0	100.0	97.8
Agriculture	2	8	11	8	0.7	0.2	0.2	0.1
Forestry and fisheries	-	2	2	-	0.0	0.0	0.0	0.0
Mining	-	2	7	23	0.0	0.0	0.1	0.3
Construction	8	152	107	135	2.6	3.6	1.6	1.7
Manufacturing	11	553	733	700	3.6	13.2	11.1	9.0
Nondurable goods	11	546	722	668	3.6	13.1	11.0	8.6
Durable goods	-	7	11	32	0.0	0.2	0.2	0.4
Transportation, communic. & other util	2	70	215	147	0.7	1.7	3.3	1.9
Wholesale trade	-	42	100	226	0.0	1.0	1.5	2.9
Retail trade	99	975	1,886	1,276	32.6	23.3	28.7	16.5
Eating places	65	636	1,039	-	21.4	15.2	15.8	0.0
Finance, insurance, and real estate	3	50	145	119	1.0	1.2	2.2	1.5
Services	163	2,307	3,330	4,771	53.6	55.2	50.6	61.6
Business and repair services	4	138	430	434	1.3	3.3	6.5	5.6
Personal services	125	1,741	2,329	3,613	41.1	41.6	35.4	46.7
Hotels and Motels	22	462	650	1,800	7.2	11.0	9.9	23.3
Entertainment and recreation services	2	182	159	240	0.7	4.4	2.4	3.1
Professional and related services	32	246	412	483	10.5	5.9	6.3	6.2
Public administration	16	20	46	163	5.3	0.5	0.7	2.1
Employed males 16 years and over	1,007	8,260	9,369	9,835	100.0	100.0	100.0	98.7
Agriculture	41	464	247	42	4.1	5.6	2.6	0.4
Forestry and fisheries	-	39	26	-	0.0	0.5	0.3	0.0
Mining	-	71	107	78	0.0	0.9	1.1	0.8
Construction	647	4,996	2,984	2,313	64.3	60.5	31.8	23.5
Manufacturing	42	225	530	954	4.2	2.7	5.7	9.7
Nondurable goods	32	163	445	777	3.2	2.0	4.7	7.9
Durable goods	10	62	85	177	1.0	0.8	0.9	1.8
Transportation, communic. & other util	37	305	539	472	3.7	3.7	5.8	4.8
Wholesale trade	3	108	178	823	0.3	1.3	1.9	8.4
Retail trade	81	551	1,298	965	8.0	6.7	13.9	9.8
Eating places	17	175	500	-	1.7	2.1	5.3	0.0
Finance, insurance, and real estate	6	59	140	286	0.6	0.7	1.5	2.9
Services	127	1,414	3,216	3,577	12.6	17.1	34.3	36.4
Business and repair services	46	380	1,007	801	4.6	4.6	10.7	8.1
Personal services	63	767	1,627	2,116	6.3	9.3	17.4	21.5
Hotels and Motels	53	680	1,138	1,785	5.3	8.2	12.1	18.1
Entertainment and recreation services	6	121	337	295	0.6	1.5	3.6	3.0
Professional and related services	12	146	245	366	1.2	1.8	2.6	3.7
Public administration	23	28	104	202	2.3	0.3	1.1	2.1

Table A.15.3 Born in China Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	9	2,643	5,978	12,545	100.0	100.0	100.0	100.0
Agriculture	-	10	64	31	-	0.4	1.1	0.2
Forestry and fisheries	-	4	1	-	-	0.2	0.0	-
Mining	-	1	3	-	-	0.0	0.1	-
Construction	-	37	104	118	-	1.4	1.7	0.9
Manufacturing	1	2,458	5,130	11,002	11.1	93.0	85.8	87.7
Nondurable goods	1	2,447	5,122	10,979	11.1	92.6	85.7	87.5
Durable goods	-	11	8	23	-	0.4	0.1	0.2
Transportation, communic, & other util	1	6	22	-	11.1	0.2	0.4	-
Wholesale trade	-	19	11	-	-	0.7	0.2	-
Retail trade	4	71	387	294	44.4	2.7	6.5	2.3
Eating places	-	36	232	-	-	1.4	3.9	-
Finance, insurance, and real estate	-	6	13	4	-	0.2	0.2	0.0
Services	3	30	239	1,051	33.3	1.1	4.0	8.4
Business and repair services	1	24	69	482	11.1	0.9	1.2	3.8
Personal services	2	5	137	494	22.2	0.2	2.3	3.9
Hotels and Motels	2	3	74	262	22.2	0.1	1.2	2.1
Entertainment and recreation services	-	-	19	23	-	-	0.3	0.2
Professional and related services	-	1	14	52	-	0.0	0.2	0.4
Public administration	-	1	4	23	-	0.0	0.1	0.2
Employed females 16 years and over	1	1,986	4,763	10,254	100.0	100.0	100.0	99.8
Agriculture	-	-	11	-	0.0	0.0	0.2	0.0
Forestry and fisheries	-	-	1	-	0.0	0.0	0.0	0.0
Mining	-	-	1	-	0.0	0.0	0.0	0.0
Construction	-	2	5	4	0.0	0.1	0.1	0.0
Manufacturing	-	1,948	4,385	9,167	0.0	98.1	92.1	89.4
Nondurable goods	-	1,940	4,382	9,144	0.0	97.7	92.0	89.2
Durable goods	-	8	3	23	0.0	0.4	0.1	0.2
Transportation, communic, & other util	-	1	5	-	0.0	0.1	0.1	0.0
Wholesale trade	-	4	2	-	0.0	0.2	0.0	0.0
Retail trade	1	26	224	124	100.0	1.3	4.7	1.2
Eating places	-	14	147	-	0.0	0.7	3.1	0.0
Finance, insurance, and real estate	-	1	5	2	0.0	0.1	0.1	0.0
Services	-	3	123	911	0.0	0.2	2.6	8.9
Business and repair services	-	2	21	450	0.0	0.1	0.4	4.4
Personal services	-	1	88	388	0.0	0.1	1.8	3.8
Hotels and Motels	-	-	53	225	0.0	0.0	1.1	2.2
Entertainment and recreation services	-	-	7	23	0.0	0.0	0.1	0.2
Professional and related services	-	-	7	50	0.0	0.0	0.1	0.5
Public administration	-	1	1	23	0.0	0.1	0.0	0.2
Employed males 16 years and over	8	657	1,215	2,291	100.0	100.0	100.0	100.0
Agriculture	-	10	53	31	0.0	1.5	4.4	1.4
Forestry and fisheries	-	4	-	-	0.0	0.6	0.0	0.0
Mining	-	1	2	-	0.0	0.2	0.2	0.0
Construction	-	35	99	114	0.0	5.3	8.1	5.0
Manufacturing	1	510	745	1,835	12.5	77.6	61.3	80.1
Nondurable goods	1	507	740	1,835	12.5	77.2	60.9	80.1
Durable goods	-	3	5	-	0.0	0.5	0.4	0.0
Transportation, communic, & other util	1	5	17	-	12.5	0.8	1.4	0.0
Wholesale trade	-	15	9	-	0.0	2.3	0.7	0.0
Retail trade	3	45	163	170	37.5	6.8	13.4	7.4
Eating places	-	22	85	-	0.0	3.3	7.0	0.0
Finance, insurance, and real estate	-	5	8	2	0.0	0.8	0.7	0.1
Services	3	27	116	140	37.5	4.1	9.5	6.1
Business and repair services	1	22	48	32	12.5	3.3	4.0	1.4
Personal services	2	4	49	106	25.0	0.6	4.0	4.6
Hotels and Motels	2	3	21	37	25.0	0.5	1.7	1.6
Entertainment and recreation services	-	-	12	-	0.0	0.0	1.0	0.0
Professional and related services	-	1	7	2	0.0	0.2	0.6	0.1
Public administration	-	-	3	-	0.0	0.0	0.2	0.0

Table A.16.0 Chamorro Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	2,797	4,060	5,004	6,636	100.0	100.0	100.0	100.0
Agriculture	41	33	20	24	1.5	0.8	0.4	0.4
Forestry and fisheries	11	13	8	23	0.4	0.3	0.2	0.3
Mining	2	2	9	8	0.1	0.0	0.2	0.1
Construction	205	210	63	42	7.3	5.2	1.3	0.6
Manufacturing	22	132	146	473	0.8	3.3	2.9	7.1
Nondurable goods	17	113	138	450	0.6	2.8	2.8	6.8
Durable goods	5	19	8	23	0.2	0.5	0.2	0.3
Transportation, communic, & other util	291	554	634	412	10.4	13.6	12.7	6.2
Wholesale trade	60	92	105	186	2.1	2.3	2.1	2.8
Retail trade	419	585	579	468	15.0	14.4	11.6	7.1
Eating places	96	60	92	-	3.4	1.5	1.8	0.0
Finance, insurance, and real estate	112	233	203	375	4.0	5.7	4.1	5.7
Services	877	1,197	1,491	1,811	31.4	29.5	29.8	27.3
Business and repair services	76	80	102	303	2.7	2.0	2.0	4.6
Personal services	272	191	196	509	9.7	4.7	3.9	7.7
Hotels and Motels	253	163	170	428	9.0	4.0	3.4	6.4
Entertainment and recreation services	29	74	90	147	1.0	1.8	1.8	2.2
Professional and related services	500	852	1,103	852	17.9	21.0	22.0	12.8
Public administration	753	1,009	1,746	2,748	26.9	24.9	34.9	41.4
Employed females 16 years and over	1,095	1,677	2,098	2,981	100.0	100.0	100.0	100.0
Agriculture	3	4	2	8	0.3	0.2	0.1	0.3
Forestry and fisheries	1	-	1	-	0.1	0.0	0.0	0.0
Mining	-	1	1	-	0.0	0.1	0.0	0.0
Construction	13	34	13	8	1.2	2.0	0.6	0.3
Manufacturing	7	66	60	186	0.6	3.9	2.9	6.2
Nondurable goods	6	60	59	186	0.5	3.6	2.8	6.2
Durable goods	1	6	1	-	0.1	0.4	0.0	0.0
Transportation, communic, & other util	69	146	186	109	6.3	8.7	8.9	3.7
Wholesale trade	13	19	19	23	1.2	1.1	0.9	0.8
Retail trade	250	321	310	178	22.8	19.1	14.8	6.0
Eating places	80	36	50	-	7.3	2.1	2.4	0.0
Finance, insurance, and real estate	70	133	136	204	6.4	7.9	6.5	6.8
Services	455	633	825	1,060	41.6	37.7	39.3	35.6
Business and repair services	14	16	25	116	1.3	1.0	1.2	3.9
Personal services	164	99	87	296	15.0	5.9	4.1	9.9
Hotels and Motels	150	84	74	241	13.7	5.0	3.5	8.1
Entertainment and recreation services	5	21	19	38	0.5	1.3	0.9	1.3
Professional and related services	272	497	694	609	24.8	29.6	33.1	20.4
Public administration	213	320	545	1,172	19.5	19.1	26.0	39.3
Employed males 16 years and over	1,702	2,383	2,906	3,655	100.0	100.0	100.0	100.0
Agriculture	38	29	18	16	2.2	1.2	0.6	0.4
Forestry and fisheries	10	13	7	23	0.6	0.5	0.2	0.6
Mining	2	1	8	8	0.1	0.0	0.3	0.2
Construction	192	176	50	34	11.3	7.4	1.7	0.9
Manufacturing	15	66	86	287	0.9	2.8	3.0	7.9
Nondurable goods	11	53	79	264	0.6	2.2	2.7	7.2
Durable goods	4	13	7	23	0.2	0.5	0.2	0.6
Transportation, communic, & other util	222	408	448	303	13.0	17.1	15.4	8.3
Wholesale trade	47	73	86	163	2.8	3.1	3.0	4.5
Retail trade	169	264	269	290	9.9	11.1	9.3	7.9
Eating places	16	24	42	-	0.9	1.0	1.4	0.0
Finance, insurance, and real estate	42	100	67	171	2.5	4.2	2.3	4.7
Services	422	564	666	751	24.8	23.7	22.9	20.5
Business and repair services	62	64	77	187	3.6	2.7	2.6	5.1
Personal services	108	92	109	213	6.3	3.9	3.8	5.8
Hotels and Motels	103	79	96	187	6.1	3.3	3.3	5.1
Entertainment and recreation services	24	53	71	109	1.4	2.2	2.4	3.0
Professional and related services	228	355	409	243	13.4	14.9	14.1	6.6
Public administration	540	689	1,201	1,576	31.7	28.9	41.3	43.1

Table A.16.1 Carolinian Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	580	717	715	1,163	100.0	100.0	100.0	97.9
Agriculture	7	4	-	-	1.2	0.6	0.0	0.0
Forestry and fisheries	6	-	-	-	1.0	0.0	0.0	0.0
Mining	-	-	-	-	0.0	0.0	0.0	0.0
Construction	31	31	6	-	5.3	4.3	0.8	0.0
Manufacturing	12	45	50	140	2.1	6.3	7.0	12.0
Nondurable goods	9	41	50	140	1.6	5.7	7.0	12.0
Durable goods	3	4	-	-	0.5	0.6	0.0	0.0
Transportation, communic, & other util	77	125	102	116	13.3	17.4	14.3	10.0
Wholesale trade	13	2	8	-	2.2	0.3	1.1	0.0
Retail trade	44	78	79	93	7.6	10.9	11.0	8.0
Eating places	8	5	10	-	1.4	0.7	1.4	0.0
Finance, insurance, and real estate	15	21	9	-	2.6	2.9	1.3	0.0
Services	199	292	285	302	34.3	40.7	39.9	26.0
Business and repair services	11	14	12	23	1.9	2.0	1.7	2.0
Personal services	66	50	49	116	11.4	7.0	6.9	10.0
Hotels and Motels	63	47	46	93	10.9	6.6	6.4	8.0
Entertainment and recreation services	-	21	23	23	0.0	2.9	3.2	2.0
Professional and related services	122	207	201	140	21.0	28.9	28.1	12.0
Public administration	175	119	176	488	30.2	16.6	24.6	42.0
Employed females 16 years and over	212	296	274	488	100.0	100.0	100.0	100.4
Agriculture	1	-	-	-	0.5	0.0	0.0	0.0
Forestry and fisheries	-	-	-	-	0.0	0.0	0.0	0.0
Mining	-	-	-	-	0.0	0.0	0.0	0.0
Construction	2	5	1	-	0.9	1.7	0.4	0.0
Manufacturing	4	28	28	47	1.9	9.5	10.2	9.6
Nondurable goods	4	25	28	47	1.9	8.4	10.2	9.6
Durable goods	-	3	-	-	0.0	1.0	0.0	0.0
Transportation, communic, & other util	4	25	23	47	1.9	8.4	8.4	9.6
Wholesale trade	3	1	-	-	1.4	0.3	0.0	0.0
Retail trade	26	36	40	47	12.3	12.2	14.6	9.6
Eating places	7	3	6	-	3.3	1.0	2.2	0.0
Finance, insurance, and real estate	10	13	5	-	4.7	4.4	1.8	0.0
Services	109	151	144	93	51.4	51.0	52.6	19.1
Business and repair services	1	2	5	-	0.5	0.7	1.8	0.0
Personal services	39	18	20	47	18.4	6.1	7.3	9.6
Hotels and Motels	37	17	20	47	17.5	5.7	7.3	9.6
Entertainment and recreation services	-	9	7	-	0.0	3.0	2.6	0.0
Professional and related services	69	122	112	47	32.5	41.2	40.9	9.6
Public administration	53	37	33	256	25.0	12.5	12.0	52.5
Employed males 16 years and over	368	421	441	675	100.0	100.0	100.0	96.1
Agriculture	6	4	-	-	1.6	1.0	0.0	0.0
Forestry and fisheries	6	-	-	-	1.6	0.0	0.0	0.0
Mining	-	-	-	-	0.0	0.0	0.0	0.0
Construction	29	26	5	-	7.9	6.2	1.1	0.0
Manufacturing	8	17	22	93	2.2	4.0	5.0	13.8
Nondurable goods	5	16	22	93	1.4	3.8	5.0	13.8
Durable goods	3	1	-	-	0.8	0.2	0.0	0.0
Transportation, communic, & other util	73	100	79	69	19.8	23.8	17.9	10.2
Wholesale trade	10	1	8	-	2.7	0.2	1.8	0.0
Retail trade	18	42	39	46	4.9	10.0	8.8	6.8
Eating places	1	2	4	-	0.3	0.5	0.9	0.0
Finance, insurance, and real estate	5	8	4	-	1.4	1.9	0.9	0.0
Services	90	141	141	209	24.5	33.5	32.0	31.0
Business and repair services	10	12	7	23	2.7	2.9	1.6	3.4
Personal services	27	32	29	69	7.3	7.6	6.6	10.2
Hotels and Motels	26	30	26	46	7.1	7.1	5.9	6.8
Entertainment and recreation services	-	12	16	23	0.0	2.9	3.6	3.4
Professional and related services	53	85	89	93	14.4	20.2	20.2	13.8
Public administration	122	82	143	232	33.2	19.5	32.4	34.4

Table A.16.2 Micronesian Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	487	1,524	1,789	2,105	100.0	100.0	100.0	100.0
Agriculture	5	7	3	-	1.0	0.5	0.2	0.0
Forestry and fisheries	-	5	3	-	0.0	0.3	0.2	0.0
Mining	1	1	1	-	0.2	0.1	0.1	0.0
Construction	16	19	11	-	3.3	1.2	0.6	0.0
Manufacturing	7	348	383	469	1.4	22.8	21.4	22.3
Nondurable goods	4	317	380	469	0.8	20.8	21.2	22.3
Durable goods	3	31	3	-	0.6	2.0	0.2	0.0
Transportation, communic, & other util	46	238	303	334	9.4	15.6	16.9	15.9
Wholesale trade	13	38	32	70	2.7	2.5	1.8	3.3
Retail trade	61	302	356	302	12.5	19.8	19.9	14.3
Eating places	16	30	39	-	3.3	2.0	2.2	0.0
Finance, insurance, and real estate	10	44	53	46	2.1	2.9	3.0	2.2
Services	198	463	528	574	40.7	30.4	29.5	27.3
Business and repair services	12	48	37	117	2.5	3.1	2.1	5.6
Personal services	90	203	206	272	18.5	13.3	11.5	12.9
Hotels and Motels	76	189	180	248	15.6	12.4	10.1	11.8
Entertainment and recreation services	4	22	49	23	0.8	1.4	2.7	1.1
Professional and related services	92	190	236	163	18.9	12.5	13.2	7.7
Public administration	130	59	116	233	26.7	3.9	6.5	11.1
Employed females 16 years and over	208	709	803	1,113	100.0	100.0	100.0	100.0
Agriculture	-	-	1	-	0.0	0.0	0.1	0.0
Forestry and fisheries	-	-	-	-	0.0	0.0	0.0	0.0
Mining	-	-	-	-	0.0	0.0	0.0	0.0
Construction	1	-	-	-	0.5	0.0	0.0	0.0
Manufacturing	2	198	210	353	1.0	27.9	26.2	31.7
Nondurable goods	2	187	210	353	1.0	26.4	26.2	31.7
Durable goods	-	11	-	-	0.0	1.6	0.0	0.0
Transportation, communic, & other util	8	54	62	46	3.8	7.6	7.7	4.1
Wholesale trade	3	10	8	-	1.4	1.4	1.0	0.0
Retail trade	46	180	204	163	22.1	25.4	25.4	14.6
Eating places	12	-	-	-	5.8	0.0	0.0	0.0
Finance, insurance, and real estate	8	24	37	46	3.8	3.4	4.6	4.1
Services	110	228	257	295	52.9	32.2	32.0	26.5
Business and repair services	5	6	7	23	2.4	0.8	0.9	2.1
Personal services	54	95	101	179	26.0	13.4	12.6	16.1
Hotels and Motels	40	-	-	179	19.2	0.0	0.0	16.1
Entertainment and recreation services	1	8	14	-	0.5	1.1	1.7	0.0
Professional and related services	50	119	135	93	24.0	16.8	16.8	8.4
Public administration	30	15	24	163	14.4	2.1	3.0	14.6
Employed males 16 years and over	279	815	986	992	100.0	100.0	100.0	100.0
Agriculture	5	7	2	-	1.8	0.9	0.2	0.0
Forestry and fisheries	-	5	3	-	0.0	0.6	0.3	0.0
Mining	1	1	1	-	0.4	0.1	0.1	0.0
Construction	15	19	11	-	5.4	2.3	1.1	0.0
Manufacturing	5	150	173	116	1.8	18.4	17.5	11.7
Nondurable goods	2	130	170	116	0.7	16.0	17.2	11.7
Durable goods	3	20	3	-	1.1	2.5	0.3	0.0
Transportation, communic, & other util	38	184	241	288	13.6	22.6	24.4	29.0
Wholesale trade	10	28	24	70	3.6	3.4	2.4	7.1
Retail trade	15	122	152	139	5.4	15.0	15.4	14.0
Eating places	4	11	16	-	1.4	1.3	1.6	0.0
Finance, insurance, and real estate	2	20	16	-	0.7	2.5	1.6	0.0
Services	88	235	271	279	31.5	28.8	27.5	28.1
Business and repair services	7	42	30	94	2.5	5.2	3.0	9.5
Personal services	36	108	105	93	12.9	13.3	10.6	9.4
Hotels and Motels	36	105	93	69	12.9	12.9	9.4	7.0
Entertainment and recreation services	3	14	35	23	1.1	1.7	3.5	2.3
Professional and related services	42	71	101	70	15.1	8.7	10.2	7.1
Public administration	100	44	92	70	35.8	5.4	9.3	7.1

Table A.16.3 Filipino Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	1,311	12,379	15,958	17,698	100.0	100.0	100.0	100.0
Agriculture	43	473	258	50	3.3	3.8	1.6	0.3
Forestry and fisheries	-	41	28	-	0.0	0.3	0.2	0.0
Mining	-	74	115	101	0.0	0.6	0.7	0.6
Construction	656	5,141	3,084	2,496	50.0	41.5	19.3	14.1
Manufacturing	53	754	1,269	1,654	4.0	6.1	8.0	9.3
Nondurable goods	43	685	1,173	1,445	3.3	5.5	7.4	8.2
Durable goods	10	69	96	209	0.8	0.6	0.6	1.2
Transportation, communic, & other util	37	372	755	642	2.8	3.0	4.7	3.6
Wholesale trade	3	146	277	1,026	0.2	1.2	1.7	5.8
Retail trade	187	1,521	3,185	2,335	14.3	12.3	20.0	13.2
Eating places	85	809	1,539	-	6.5	6.5	9.6	0.0
Finance, insurance, and real estate	9	107	289	359	0.7	0.9	1.8	2.0
Services	286	3,704	6,549	8,289	21.8	29.9	41.0	46.8
Business and repair services	44	519	1,430	1,236	3.4	4.2	9.0	7.0
Personal services	185	2,502	3,969	5,661	14.1	20.2	24.9	32.0
Hotels and Motels	72	1,139	1,799	3,540	5.5	9.2	11.3	20.0
Entertainment and recreation services	8	296	496	535	0.6	2.4	3.1	3.0
Professional and related services	49	387	654	857	3.7	3.1	4.1	4.8
Public administration	37	46	149	451	2.8	0.4	0.9	2.5
Employed females 16 years and over	311	4,144	6,584	7,779	100.0	100.0	100.0	100.0
Agriculture	2	8	11	8	0.6	0.2	0.2	0.1
Forestry and fisheries	-	2	2	-	0.0	0.0	0.0	0.0
Mining	-	3	7	23	0.0	0.1	0.1	0.3
Construction	8	151	107	158	2.6	3.6	1.6	2.0
Manufacturing	11	532	736	700	3.5	12.8	11.2	9.0
Nondurable goods	11	525	725	668	3.5	12.7	11.0	8.6
Durable goods	-	7	11	32	0.0	0.2	0.2	0.4
Transportation, communic, & other util	2	68	212	171	0.6	1.6	3.2	2.2
Wholesale trade	-	42	99	203	0.0	1.0	1.5	2.6
Retail trade	105	975	1,883	1,322	33.8	23.5	28.6	17.0
Eating places	68	636	1,038	-	21.9	15.3	15.8	0.0
Finance, insurance, and real estate	3	49	145	119	1.0	1.2	2.2	1.5
Services	166	2,295	3,336	4,724	53.4	55.4	50.7	60.7
Business and repair services	5	138	431	434	1.6	3.3	6.5	5.6
Personal services	123	1,737	2,338	3,566	39.5	41.9	35.5	45.8
Hotels and Motels	20	461	654	1,777	6.4	11.1	9.9	22.8
Entertainment and recreation services	3	180	157	240	1.0	4.3	2.4	3.1
Professional and related services	35	240	410	483	11.3	5.8	6.2	6.2
Public administration	14	19	46	179	4.5	0.5	0.7	2.3
Employed males 16 years and over	1,000	8,235	9,374	9,919	100.0	100.0	100.0	100.0
Agriculture	41	465	247	42	4.1	5.6	2.6	0.4
Forestry and fisheries	-	39	26	-	0.0	0.5	0.3	0.0
Mining	-	71	108	78	0.0	0.9	1.2	0.8
Construction	648	4,990	2,977	2,338	64.8	60.6	31.8	23.6
Manufacturing	42	222	533	954	4.2	2.7	5.7	9.6
Nondurable goods	32	160	448	777	3.2	1.9	4.8	7.8
Durable goods	10	62	85	177	1.0	0.8	0.9	1.8
Transportation, communic, & other util	35	304	543	471	3.5	3.7	5.8	4.7
Wholesale trade	3	104	178	823	0.3	1.3	1.9	8.3
Retail trade	82	546	1,302	1,013	8.2	6.6	13.9	10.2
Eating places	17	173	501	-	1.7	2.1	5.3	0.0
Finance, insurance, and real estate	6	58	144	240	0.6	0.7	1.5	2.4
Services	120	1,409	3,213	3,565	12.0	17.1	34.3	35.9
Business and repair services	39	381	999	802	3.9	4.6	10.7	8.1
Personal services	62	765	1,631	2,095	6.2	9.3	17.4	21.1
Hotels and Motels	52	678	1,145	1,763	5.2	8.2	12.2	17.8
Entertainment and recreation services	5	116	339	295	0.5	1.4	3.6	3.0
Professional and related services	14	147	244	374	1.4	1.8	2.6	3.8
Public administration	23	27	103	272	2.3	0.3	1.1	2.7

Table A.16.4 Chinese Employment by Major Industry, 1980 to 1999

Industry	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	18	2,759	5,894	12,577	100.0	100.0	100.0	100.0
Agriculture	-	13	64	31	0.0	0.5	1.1	0.2
Forestry and fisheries	-	6	1	-	0.0	0.2	0.0	0.0
Mining	-	1	3	-	0.0	0.0	0.1	0.0
Construction	-	42	106	118	0.0	1.5	1.8	0.9
Manufacturing	2	2,498	5,005	11,026	11.1	90.5	84.9	87.7
Nondurable goods	2	2,487	4,997	11,026	11.1	90.1	84.8	87.7
Durable goods	-	11	8	-	0.0	0.4	0.1	0.0
Transportation, communic, & other util	1	6	26	-	5.6	0.2	0.4	0.0
Wholesale trade	-	25	14	-	0.0	0.9	0.2	0.0
Retail trade	10	107	410	317	55.6	3.9	7.0	2.5
Eating places	3	48	236	-	16.7	1.7	4.0	0.0
Finance, insurance, and real estate	-	6	14	4	0.0	0.2	0.2	0.0
Services	3	48	247	1,035	16.7	1.7	4.2	8.2
Business and repair services	-	24	70	506	0.0	0.9	1.2	4.0
Personal services	1	9	138	502	5.6	0.3	2.3	4.0
Hotels and Motels	1	7	71	285	5.6	0.3	1.2	2.3
Entertainment and recreation services	-	8	20	23	0.0	0.3	0.3	0.2
Professional and related services	2	7	19	5	11.1	0.3	0.3	0.0
Public administration	2	7	4	23	11.1	0.3	0.1	0.2
Employed females 16 years and over	6	2,030	4,643	10,216	100.0	100.0	100.0	100.0
Agriculture	-	-	11	-	0.0	0.0	0.2	0.0
Forestry and fisheries	-	-	1	-	0.0	0.0	0.0	0.0
Mining	-	-	1	-	0.0	0.0	0.0	0.0
Construction	-	3	5	4	0.0	0.1	0.1	0.0
Manufacturing	1	1,968	4,258	9,152	16.7	96.9	91.7	89.6
Nondurable goods	1	1,960	4,255	9,152	16.7	96.6	91.6	89.6
Durable goods	-	8	3	-	0.0	0.4	0.1	0.0
Transportation, communic, & other util	-	1	6	-	0.0	0.0	0.1	0.0
Wholesale trade	-	5	3	-	0.0	0.2	0.1	0.0
Retail trade	3	39	229	124	50.0	1.9	4.9	1.2
Eating places	-	17	146	-	0.0	0.8	3.1	0.0
Finance, insurance, and real estate	-	1	5	2	0.0	0.0	0.1	0.0
Services	1	9	123	888	16.7	0.4	2.6	8.7
Business and repair services	-	2	21	473	0.0	0.1	0.5	4.6
Personal services	-	2	87	388	0.0	0.1	1.9	3.8
Hotels and Motels	-	1	50	225	0.0	0.0	1.1	2.2
Entertainment and recreation services	-	3	7	23	0.0	0.1	0.2	0.2
Professional and related services	1	2	8	3	16.7	0.1	0.2	0.0
Public administration	1	4	1	23	16.7	0.2	0.0	0.2
Employed males 16 years and over	12	729	1,251	2,361	100.0	100.0	100.0	100.0
Agriculture	-	13	53	31	0.0	1.8	4.2	1.3
Forestry and fisheries	-	6	-	-	0.0	0.8	0.0	0.0
Mining	-	1	2	-	0.0	0.1	0.2	0.0
Construction	-	39	101	114	0.0	5.3	8.1	4.8
Manufacturing	1	530	747	1,874	8.3	72.7	59.7	79.4
Nondurable goods	1	527	742	1,874	8.3	72.3	59.3	79.4
Durable goods	-	3	5	-	0.0	0.4	0.4	0.0
Transportation, communic, & other util	1	5	20	-	8.3	0.7	1.6	0.0
Wholesale trade	-	20	11	-	0.0	2.7	0.9	0.0
Retail trade	7	68	181	193	58.3	9.3	14.5	8.2
Eating places	3	31	90	-	25.0	4.3	7.2	0.0
Finance, insurance, and real estate	-	5	9	2	0.0	0.7	0.7	0.1
Services	2	39	124	147	16.7	5.3	9.9	6.2
Business and repair services	-	22	49	33	0.0	3.0	3.9	1.4
Personal services	1	7	51	114	8.3	1.0	4.1	4.8
Hotels and Motels	1	6	21	60	8.3	0.8	1.7	2.5
Entertainment and recreation services	-	5	13	-	0.0	0.7	1.0	0.0
Professional and related services	1	5	11	2	8.3	0.7	0.9	0.1
Public administration	1	3	3	-	8.3	0.4	0.2	0.0



Table A.17.0 CNMI Employment by Occupation, 1980 to 1999

Occupation	Number of Persons				Percent Distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	5,941	25,965	34,812	46,590	100.0	100.0	100.0	100.0
Managerial and professional specialty	1,381	4,636	6,933	8,481	23.2	17.9	19.9	18.2
Executive, administrative, and manager	776	2,914	4,405	5,453	13.1	11.2	12.7	11.7
Professional specialty	605	1,722	2,528	3,028	10.2	6.6	7.3	6.5
Technical, sales, and admin support	1,523	3,631	5,726	7,616	25.6	14.0	16.4	16.3
Technologists and technicians	193	339	413	646	3.2	1.3	1.2	1.4
Sales	388	1,535	2,579	3,529	6.5	5.9	7.4	7.6
Administrative support, incl clerical	942	1,757	2,734	3,441	15.9	6.8	7.9	7.4
Service	1,150	4,550	6,795	7,547	19.4	17.5	19.5	16.2
Private household	105	1,225	1,763	1,961	1.8	4.7	5.1	4.2
Protective service	182	496	1,176	1,259	3.1	1.9	3.4	2.7
Service, except protective & household	863	2,829	3,856	4,328	14.5	10.9	11.1	9.3
Farming, forestry, and fishing	122	727	1,078	864	2.1	2.8	3.1	1.9
Precision production, craft and repair	1,175	6,067	4,855	5,083	19.8	23.4	13.9	10.9
Mechanics and repairers	301	753	1,794	2,527	5.1	2.9	5.2	5.4
Construction trades	699	4,588	2,813	2,163	11.8	17.7	8.1	4.6
Precision production	172	715	235	394	2.9	2.8	0.7	0.8
Operators, fabricators, and laborers	584	6,354	9,425	16,481	9.8	24.5	27.1	35.4
Machine operators, assemblers, inspect	118	4,799	6,922	12,748	2.0	18.5	19.9	27.4
Transportation and material moving	232	772	995	1,115	3.9	3.0	2.9	2.4
Handlers, equip cleaners, helpers,	234	783	1,508	2,618	3.9	3.0	4.3	5.6
Employed females 16 years and over	2,039	11,183	16,475	25,002	100.0	100.0	100.0	100.0
Managerial and professional specialty	401	1,823	3,126	4,005	19.7	16.3	19.0	16.0
Executive, administrative, and manager	158	1,042	1,998	2,633	7.7	9.3	12.1	10.5
Professional specialty	243	781	1,128	1,373	11.9	7.0	6.8	5.5
Technical, sales, and admin support	909	2,119	3,273	4,262	44.6	18.9	19.9	17.0
Technologists and technicians	52	66	132	163	2.6	0.6	0.8	0.7
Sales	271	911	1,607	2,174	13.3	8.1	9.8	8.7
Administrative support, incl clerical	586	1,142	1,534	1,925	28.7	10.2	9.3	7.7
Service	631	2,783	3,907	4,527	30.9	24.9	23.7	18.1
Private household	105	1,206	1,694	1,828	5.1	10.8	10.3	7.3
Protective service	7	21	74	123	0.3	0.2	0.4	0.5
Service, except protective & household	519	1,556	2,139	2,576	25.5	13.9	13.0	10.3
Farming, forestry, and fishing	6	16	35	8	0.3	0.1	0.2	0.0
Precision production, craft and repair	51	330	188	426	2.5	3.0	1.1	1.7
Mechanics and repairers	6	17	51	196	0.3	0.2	0.3	0.8
Construction trades	4	24	16	3	0.2	0.2	0.1	0.0
Precision production	41	288	112	227	2.0	2.6	0.7	0.9
Operators, fabricators, and laborers	40	4,112	5,946	11,492	2.0	36.8	36.1	46.0
Machine operators, assemblers, inspect	23	3,948	5,502	10,462	1.1	35.3	33.4	41.8
Transportation and material moving	2	32	56	127	0.1	0.3	0.3	0.5
Handlers, equip cleaners, helpers,	15	132	388	902	0.7	1.2	2.4	3.6
Employed males 16 years and over	3,902	14,782	18,337	21,588	100.0	100.0	100.0	100.0
Managerial and professional specialty	980	2,813	3,807	4,476	25.1	19.0	20.8	20.7
Executive, administrative, and manager	618	1,872	2,407	2,820	15.8	12.7	13.1	13.1
Professional specialty	362	941	1,400	1,655	9.3	6.4	7.6	7.7
Technical, sales, and admin support	614	1,512	2,453	3,354	15.7	10.2	13.4	15.5
Technologists and technicians	141	273	281	483	3.6	1.8	1.5	2.2
Sales	117	624	972	1,355	3.0	4.2	5.3	6.3
Administrative support, incl clerical	356	615	1,200	1,516	9.1	4.2	6.5	7.0
Service	519	1,767	2,888	3,020	13.3	12.0	15.7	14.0
Private household	-	19	69	133	0.0	0.1	0.4	0.6
Protective service	175	475	1,102	1,136	4.5	3.2	6.0	5.3
Service, except protective & household	344	1,273	1,717	1,752	8.8	8.6	9.4	8.1
Farming, forestry, and fishing	116	711	1,043	856	3.0	4.8	5.7	4.0
Precision production, craft and repair	1,124	5,737	4,667	4,657	28.8	38.8	25.5	21.6
Mechanics and repairers	295	736	1,743	2,331	7.6	5.0	9.5	10.8
Construction trades	695	4,564	2,797	2,160	17.8	30.9	15.3	10.0
Precision production	131	427	123	167	3.4	2.9	0.7	0.8
Operators, fabricators, and laborers	544	2,242	3,479	4,989	13.9	15.2	19.0	23.1
Machine operators, assemblers, inspect	95	851	1,420	2,286	2.4	5.8	7.7	10.6
Transportation and material moving	230	740	939	988	5.9	5.0	5.1	4.6
Handlers, equip cleaners, helpers,	219	651	1,120	1,716	5.6	4.4	6.1	7.9

Table A.18.0 CNMI Employment by Occupation and Citizenship, 1980 to 1999

Occupation	1980	1990	1995	1999
U.S. Citizens				
Employed persons 16 years and over	3,673	6,302	8,745	11,328
Managerial and professional specialty	953	2,268	3,446	4,421
Executive, administrative, and manager	531	1,450	2,043	2,453
Professional specialty	422	818	1,403	1,968
Technical, sales, and admin support	1,177	2,051	2,542	3,010
Technologists and technicians	138	185	207	312
Sales	296	722	856	966
Administrative support, incl clerical	743	1,144	1,479	1,732
Service	698	808	1,004	1,554
Private household	5	7	48	95
Protective service	153	277	519	702
Service, except protective & household	540	524	437	758
Farming, forestry, and fishing	86	90	111	126
Precision production, craft and repair	376	456	467	478
Mechanics and repairers	152	212	312	384
Construction trades	137	146	125	48
Precision production	85	95	30	47
Operators, fabricators, and laborers	377	629	1,175	1,565
Machine operators, assemblers, inspect	48	110	410	410
Transportation and material moving	155	340	437	413
Handlers, equip cleaners, helpers,	174	179	328	742
Non- US Citizens				
Employed persons 16 years and over	2,268	19,663	26,067	35,262
Managerial and professional specialty	428	2,368	3,487	4,059
Executive, administrative, and manager	245	1,464	2,362	3,000
Professional specialty	183	904	1,125	1,060
Technical, sales, and admin support	346	1,580	3,184	4,607
Technologists and technicians	55	154	206	335
Sales	92	813	1,723	2,563
Administrative support, incl clerical	199	613	1,255	1,709
Service	452	3,742	5,791	5,993
Private household	100	1,218	1,715	1,865
Protective service	29	219	657	557
Service, except protective & household	323	2,305	3,419	3,570
Farming, forestry, and fishing	36	637	967	738
Precision production, craft and repair	799	5,611	4,388	4,605
Mechanics and repairers	149	541	1,482	2,143
Construction trades	562	4,442	2,688	2,115
Precision production	87	620	205	347
Operators, fabricators, and laborers	207	5,725	8,250	14,916
Machine operators, assemblers, inspect	70	4,689	6,512	12,337
Transportation and material moving	77	432	558	702
Handlers, equip cleaners, helpers,	60	604	1,180	1,877
Percent Non- US Citizens				
Employed persons 16 years and over	38.2	75.7	74.9	75.7
Managerial and professional specialty	31.0	51.1	50.3	47.9
Executive, administrative, and manager	31.6	50.2	53.6	55.0
Professional specialty	30.2	52.5	44.5	35.0
Technical, sales, and admin support	22.7	43.5	55.6	60.5
Technologists and technicians	28.5	45.4	49.9	51.8
Sales	23.7	53.0	66.8	72.6
Administrative support, incl clerical	21.1	34.9	45.9	49.7
Service	39.3	82.2	85.2	79.4
Private household	95.2	99.4	97.3	95.2
Protective service	15.9	44.2	55.9	44.2
Service, except protective & household	37.4	81.5	88.7	82.5
Farming, forestry, and fishing	29.5	87.6	89.7	85.4
Precision production, craft and repair	68.0	92.5	90.4	90.6
Mechanics and repairers	49.5	71.8	82.6	84.8
Construction trades	80.4	96.8	95.6	97.8
Precision production	50.6	86.7	87.2	88.1
Operators, fabricators, and laborers	35.4	90.1	87.5	90.5
Machine operators, assemblers, inspect	59.3	97.7	94.1	96.8
Transportation and material moving	33.2	56.0	56.1	63.0
Handlers, equip cleaners, helpers,	25.6	77.1	78.2	71.7

Table A.19.0 Born in the CNMI Employment by Major Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	3,279	4,745	6,040	8,150	100.0	100.0	100.0	100.0
Managerial and professional specialty	730	1,490	2,101	2,672	22.3	31.4	34.8	32.8
Executive, administrative, and manager	430	1,044	1,357	1,731	13.1	22.0	22.5	21.2
Professional specialty	300	446	744	940	9.1	9.4	12.3	11.5
Technical, sales, and admin support	1,083	1,652	1,866	2,356	33.0	34.8	30.9	28.9
Technologists and technicians	127	141	143	304	3.9	3.0	2.4	3.7
Sales	277	549	548	639	8.4	11.6	9.1	7.8
Administrative support, incl clerical	679	962	1,175	1,413	20.7	20.3	19.5	17.3
Service	662	679	799	1,290	20.2	14.3	13.2	15.8
Private household	4	4	22	55	0.1	0.1	0.4	0.7
Protective service	145	257	454	599	4.4	5.4	7.5	7.3
Service, except protective & household	513	418	323	636	15.6	8.8	5.3	7.8
Farming, forestry, and fishing	81	73	93	71	2.5	1.5	1.5	0.9
Precision production, craft and repair	350	336	337	437	10.7	7.1	5.6	5.4
Mechanics and repairers	140	155	220	344	4.3	3.3	3.6	4.2
Construction trades	132	98	94	47	4.0	2.1	1.6	0.6
Precision production	77	83	23	47	2.3	1.7	0.4	0.6
Operators, fabricators, and laborers	368	515	844	1,237	11.2	10.9	14.0	15.2
Machine operators, assemblers, inspect	46	72	294	309	1.4	1.5	4.9	3.8
Transportation and material moving	154	287	296	273	4.7	6.0	4.9	3.3
Handlers, equip cleaners, helpers,	168	156	254	655	5.1	3.3	4.2	8.0
Employed females 16 years and over	1,271	1,939	2,499	3,608	100.0	100.0	100.0	100.0
Managerial and professional specialty	241	591	940	1,383	19.0	30.5	37.6	38.3
Executive, administrative, and manager	103	379	613	872	8.1	19.5	24.5	24.2
Professional specialty	138	212	327	511	10.9	10.9	13.1	14.2
Technical, sales, and admin support	666	1,024	1,126	1,320	52.4	52.8	45.1	36.6
Technologists and technicians	35	30	65	70	2.8	1.5	2.6	1.9
Sales	201	340	333	373	15.8	17.5	13.3	10.3
Administrative support, incl clerical	430	654	728	877	33.8	33.7	29.1	24.3
Service	314	215	254	522	24.7	11.1	10.2	14.5
Private household	4	4	20	47	0.3	0.2	0.8	1.3
Protective service	6	12	44	61	0.5	0.6	1.8	1.7
Service, except protective & household	304	199	190	414	23.9	10.3	7.6	11.5
Farming, forestry, and fishing	4	4	5	-	0.3	0.2	0.2	0.0
Precision production, craft and repair	17	24	13	54	1.3	1.2	0.5	1.5
Mechanics and repairers	3	8	9	31	0.2	0.4	0.4	0.9
Construction trades	3	1	2	-	0.2	0.1	0.1	0.0
Precision production	11	15	2	23	0.9	0.8	0.1	0.6
Operators, fabricators, and laborers	28	81	161	297	2.2	4.2	6.4	8.2
Machine operators, assemblers, inspect	14	41	99	196	1.1	2.1	4.0	5.4
Transportation and material moving	1	18	30	23	0.1	0.9	1.2	0.6
Handlers, equip cleaners, helpers,	13	22	32	78	1.0	1.1	1.3	2.2
Employed males 16 years and over	2,008	2,806	3,541	4,542	100.0	100.0	100.0	100.0
Managerial and professional specialty	489	899	1,161	1,289	24.4	32.0	32.8	28.4
Executive, administrative, and manager	327	665	744	859	16.3	23.7	21.0	18.9
Professional specialty	162	234	417	429	8.1	8.3	11.8	9.4
Technical, sales, and admin support	417	628	740	1,036	20.8	22.4	20.9	22.8
Technologists and technicians	92	111	78	234	4.6	4.0	2.2	5.2
Sales	76	209	215	266	3.8	7.4	6.1	5.9
Administrative support, incl clerical	249	308	447	536	12.4	11.0	12.6	11.8
Service	348	464	545	768	17.3	16.5	15.4	16.9
Private household	-	-	2	8	0.0	0.0	0.1	0.2
Protective service	139	245	410	538	6.9	8.7	11.6	11.8
Service, except protective & household	209	219	133	222	10.4	7.8	3.8	4.9
Farming, forestry, and fishing	77	69	88	71	3.8	2.5	2.5	1.6
Precision production, craft and repair	333	312	324	383	16.6	11.1	9.1	8.4
Mechanics and repairers	137	147	211	313	6.8	5.2	6.0	6.9
Construction trades	129	97	92	47	6.4	3.5	2.6	1.0
Precision production	66	68	21	24	3.3	2.4	0.6	0.5
Operators, fabricators, and laborers	340	434	683	940	16.9	15.5	19.3	20.7
Machine operators, assemblers, inspect	32	31	195	113	1.6	1.1	5.5	2.5
Transportation and material moving	153	269	266	250	7.6	9.6	7.5	5.5
Handlers, equip cleaners, helpers,	155	134	222	577	7.7	4.8	6.3	12.7

Table A.19.1 Born in Micronesia Employment by Major Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	601	1,598	1,684	2,097	100.0	100.0	100.0	100.0
Managerial and professional specialty	137	229	280	334	22.8	14.3	16.6	15.9
Executive, administrative, and manager	84	106	139	140	14.0	6.6	8.3	6.7
Professional specialty	53	123	141	195	8.8	7.7	8.4	9.3
Technical, sales, and admin support	179	458	539	759	29.8	28.7	32.0	36.2
Technologists and technicians	31	18	20	70	5.2	1.1	1.2	3.3
Sales	48	223	218	287	8.0	14.0	12.9	13.7
Administrative support, incl clerical	100	217	301	403	16.6	13.6	17.9	19.2
Service	173	287	224	249	28.8	18.0	13.3	11.9
Private household	12	7	10	-	2.0	0.4	0.6	0.0
Protective service	25	71	71	101	4.2	4.4	4.2	4.8
Service, except protective & household	136	209	143	148	22.6	13.1	8.5	7.1
Farming, forestry, and fishing	12	22	17	-	2.0	1.4	1.0	0.0
Precision production, craft and repair	67	119	78	117	11.1	7.4	4.6	5.6
Mechanics and repairers	39	58	59	94	6.5	3.6	3.5	4.5
Construction trades	17	18	18	23	2.8	1.1	1.1	1.1
Precision production	11	43	1	-	1.8	2.7	0.1	0.0
Operators, fabricators, and laborers	33	483	546	561	5.5	30.2	32.4	26.8
Machine operators, assemblers, inspect	8	231	199	213	1.3	14.5	11.8	10.2
Transportation and material moving	14	65	94	70	2.3	4.1	5.6	3.3
Handlers, equip cleaners, helpers,	11	187	253	279	1.8	11.7	15.0	13.3
Employed females 16 years and over	249	745	751	1,066	100.0	100.0	100.0	100.0
Managerial and professional specialty	47	107	145	118	18.9	14.4	19.3	11.1
Executive, administrative, and manager	20	29	72	46	8.0	3.9	9.6	4.3
Professional specialty	27	78	73	71	10.8	10.5	9.7	6.7
Technical, sales, and admin support	97	300	309	395	39.0	40.3	41.1	37.1
Technologists and technicians	8	4	4	-	3.2	0.5	0.5	0.0
Sales	34	179	181	186	13.7	24.0	24.1	17.4
Administrative support, incl clerical	55	117	124	210	22.1	15.7	16.5	19.7
Service	94	120	81	109	37.8	16.1	10.8	10.2
Private household	12	7	9	-	4.8	0.9	1.2	0.0
Protective service	1	5	4	7	0.4	0.7	0.5	0.7
Service, except protective & household	81	108	68	102	32.5	14.5	9.1	9.6
Farming, forestry, and fishing	1	1	1	-	0.4	0.1	0.1	0.0
Precision production, craft and repair	5	21	7	23	2.0	2.8	0.9	2.2
Mechanics and repairers	2	1	6	23	0.8	0.1	0.8	2.2
Construction trades	-	-	1	-	0.0	0.0	0.1	0.0
Precision production	3	20	-	-	1.2	2.7	0.0	0.0
Operators, fabricators, and laborers	5	196	208	376	2.0	26.3	27.7	35.3
Machine operators, assemblers, inspect	3	143	130	213	1.2	19.2	17.3	20.0
Transportation and material moving	1	2	2	23	0.4	0.3	0.3	2.2
Handlers, equip cleaners, helpers,	1	51	76	140	0.4	6.8	10.1	13.1
Employed males 16 years and over	352	853	933	1,031	100.0	100.0	100.0	100.0
Managerial and professional specialty	90	122	135	216	25.6	14.3	14.5	21.0
Executive, administrative, and manager	64	77	67	94	18.2	9.0	7.2	9.1
Professional specialty	26	45	68	124	7.4	5.3	7.3	12.0
Technical, sales, and admin support	82	158	230	364	23.3	18.5	24.7	35.3
Technologists and technicians	23	14	16	70	6.5	1.6	1.7	6.8
Sales	14	44	37	101	4.0	5.2	4.0	9.8
Administrative support, incl clerical	45	100	177	193	12.8	11.7	19.0	18.7
Service	79	167	143	140	22.4	19.6	15.3	13.6
Private household	-	-	1	-	0.0	0.0	0.1	0.0
Protective service	24	66	67	94	6.8	7.7	7.2	9.1
Service, except protective & household	55	101	75	46	15.6	11.8	8.0	4.5
Farming, forestry, and fishing	11	21	16	-	3.1	2.5	1.7	0.0
Precision production, craft and repair	62	98	71	94	17.6	11.5	7.6	9.1
Mechanics and repairers	37	57	53	71	10.5	6.7	5.7	6.9
Construction trades	17	18	17	23	4.8	2.1	1.8	2.2
Precision production	8	23	1	-	2.3	2.7	0.1	0.0
Operators, fabricators, and laborers	28	287	338	185	8.0	33.6	36.2	17.9
Machine operators, assemblers, inspect	5	88	69	-	1.4	10.3	7.4	0.0
Transportation and material moving	13	63	92	47	3.7	7.4	9.9	4.6
Handlers, equip cleaners, helpers,	10	136	177	139	2.8	15.9	19.0	13.5

Table A.19.2 Born in the Philippines Employment by Major Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	1,311	12,441	15,951	17,575	100.0	100.0	100.0	100.0
Managerial and professional specialty	157	1,465	2,214	2,736	12.0	11.8	13.9	15.6
Executive, administrative, and manager	65	821	1,401	2,010	5.0	6.6	8.8	11.4
Professional specialty	92	644	813	726	7.0	5.2	5.1	4.1
Technical, sales, and admin support	101	813	1,991	2,662	7.7	6.5	12.5	15.1
Technologists and technicians	18	130	183	254	1.4	1.0	1.1	1.4
Sales	20	399	1,064	1,419	1.5	3.2	6.7	8.1
Administrative support, incl clerical	63	284	744	989	4.8	2.3	4.7	5.6
Service	226	3,221	4,804	4,782	17.2	25.9	30.1	27.2
Private household	86	1,204	1,673	1,795	6.6	9.7	10.5	10.2
Protective service	2	126	338	254	0.2	1.0	2.1	1.4
Service, except protective & household	138	1,891	2,793	2,734	10.5	15.2	17.5	15.6
Farming, forestry, and fishing	17	579	762	620	1.3	4.7	4.8	3.5
Precision production, craft and repair	664	4,901	4,016	3,888	50.6	39.4	25.2	22.1
Mechanics and repairers	89	408	1,284	1,718	6.8	3.3	8.0	9.8
Construction trades	506	4,279	2,552	1,927	38.6	34.4	16.0	11.0
Precision production	68	204	176	243	5.2	1.6	1.1	1.4
Operators, fabricators, and laborers	146	1,462	2,164	2,592	11.1	11.8	13.6	14.7
Machine operators, assemblers, inspect	57	747	1,057	1,173	4.3	6.0	6.6	6.7
Transportation and material moving	54	354	444	593	4.1	2.8	2.8	3.4
Handlers, equip cleaners, helpers,	35	361	663	826	2.7	2.9	4.2	4.7
Employed females 16 years and over	304	4,181	6,582	7,740	100.0	100.0	100.0	100.0
Managerial and professional specialty	35	757	1,328	1,594	11.5	18.1	20.2	20.6
Executive, administrative, and manager	8	431	912	1,233	2.6	10.3	13.9	15.9
Professional specialty	27	326	416	361	8.9	7.8	6.3	4.7
Technical, sales, and admin support	52	470	1,227	1,697	17.1	11.2	18.6	21.9
Technologists and technicians	3	20	40	93	1.0	0.5	0.6	1.2
Sales	12	258	790	1,087	3.9	6.2	12.0	14.0
Administrative support, incl clerical	37	192	397	517	12.2	4.6	6.0	6.7
Service	184	2,309	3,168	3,237	60.5	55.2	48.1	41.8
Private household	86	1,185	1,611	1,686	28.3	28.3	24.5	21.8
Protective service	-	2	19	51	0.0	0.0	0.3	0.7
Service, except protective & household	98	1,122	1,538	1,501	32.2	26.8	23.4	19.4
Farming, forestry, and fishing	1	10	17	8	0.3	0.2	0.3	0.1
Precision production, craft and repair	26	94	131	230	8.6	2.2	2.0	3.0
Mechanics and repairers	1	3	26	124	0.3	0.1	0.4	1.6
Construction trades	1	22	12	3	0.3	0.5	0.2	0.0
Precision production	24	69	93	104	7.9	1.7	1.4	1.3
Operators, fabricators, and laborers	6	541	711	801	2.0	12.9	10.8	10.3
Machine operators, assemblers, inspect	6	509	558	585	2.0	12.2	8.5	7.6
Transportation and material moving	-	9	14	34	0.0	0.2	0.2	0.4
Handlers, equip cleaners, helpers,	-	23	139	182	0.0	0.6	2.1	2.4
Employed males 16 years and over	1,007	8,260	9,369	9,835	100.0	100.0	100.0	100.0
Managerial and professional specialty	122	708	886	1,142	12.1	8.6	9.5	11.6
Executive, administrative, and manager	57	390	489	777	5.7	4.7	5.2	7.9
Professional specialty	65	318	397	365	6.5	3.8	4.2	3.7
Technical, sales, and admin support	49	343	764	965	4.9	4.2	8.2	9.8
Technologists and technicians	15	110	143	161	1.5	1.3	1.5	1.6
Sales	8	141	274	332	0.8	1.7	2.9	3.4
Administrative support, incl clerical	26	92	347	472	2.6	1.1	3.7	4.8
Service	42	912	1,636	1,545	4.2	11.0	17.5	15.7
Private household	-	19	62	109	0.0	0.2	0.7	1.1
Protective service	2	124	319	203	0.2	1.5	3.4	2.1
Service, except protective & household	40	769	1,255	1,233	4.0	9.3	13.4	12.5
Farming, forestry, and fishing	16	569	745	612	1.6	6.9	8.0	6.2
Precision production, craft and repair	638	4,807	3,885	3,658	63.4	58.2	41.5	37.2
Mechanics and repairers	88	405	1,258	1,594	8.7	4.9	13.4	16.2
Construction trades	505	4,257	2,540	1,924	50.1	51.5	27.1	19.6
Precision production	44	135	83	139	4.4	1.6	0.9	1.4
Operators, fabricators, and laborers	140	921	1,453	1,791	13.9	11.2	15.5	18.2
Machine operators, assemblers, inspect	51	238	499	588	5.1	2.9	5.3	6.0
Transportation and material moving	54	345	430	559	5.4	4.2	4.6	5.7
Handlers, equip cleaners, helpers,	35	338	524	644	3.5	4.1	5.6	6.5

Table A.19.3 Born in China Employment by Major Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	9	2,643	5,978	12,545	100.0	100.0	100.0	100.0
Managerial and professional specialty	5	75	209	177	55.6	2.8	3.5	1.4
Executive, administrative, and manager	4	58	178	146	44.4	2.2	3.0	1.2
Professional specialty	1	17	31	30	11.1	0.6	0.5	0.2
Technical, sales, and admin support	2	48	187	330	22.2	1.8	3.1	2.6
Technologists and technicians	-	3	9	3	0.0	0.1	0.2	0.0
Sales	1	32	115	247	11.1	1.2	1.9	2.0
Administrative support, incl clerical	1	13	63	80	11.1	0.5	1.1	0.6
Service	-	73	348	600	0.0	2.8	5.8	4.8
Private household	-	-	16	23	0.0	0.0	0.3	0.2
Protective service	-	-	4	3	0.0	0.0	0.1	0.0
Service, except protective & household	-	73	328	574	0.0	2.8	5.5	4.6
Farming, forestry, and fishing	-	15	63	32	0.0	0.6	1.1	0.3
Precision production, craft and repair	1	183	197	313	11.1	6.9	3.3	2.5
Mechanics and repairers	1	38	96	131	11.1	1.4	1.6	1.0
Construction trades	-	35	76	103	0.0	1.3	1.3	0.8
Precision production	-	110	16	79	0.0	4.2	0.3	0.6
Operators, fabricators, and laborers	1	2,249	4,974	11,071	11.1	85.1	83.2	88.3
Machine operators, assemblers, inspect	-	2,221	4,713	10,384	0.0	84.0	78.8	82.8
Transportation and material moving	-	3	12	7	0.0	0.1	0.2	0.1
Handlers, equip cleaners, helpers,	1	25	249	680	11.1	0.9	4.2	5.4
Employed females 16 years and over	1	1,986	4,763	10,254	100.0	100.0	100.0	100.0
Managerial and professional specialty	-	17	78	114	0.0	0.9	1.6	1.1
Executive, administrative, and manager	-	15	65	86	0.0	0.8	1.4	0.8
Professional specialty	-	2	13	28	0.0	0.1	0.3	0.3
Technical, sales, and admin support	1	20	102	151	100.0	1.0	2.1	1.5
Technologists and technicians	-	1	-	-	0.0	0.1	0.0	0.0
Sales	-	12	63	131	0.0	0.6	1.3	1.3
Administrative support, incl clerical	1	7	39	20	100.0	0.4	0.8	0.2
Service	-	25	235	466	0.0	1.3	4.9	4.5
Private household	-	-	16	23	0.0	0.0	0.3	0.2
Protective service	-	-	-	2	0.0	0.0	0.0	0.0
Service, except protective & household	-	25	219	441	0.0	1.3	4.6	4.3
Farming, forestry, and fishing	-	-	11	-	0.0	0.0	0.2	0.0
Precision production, craft and repair	-	42	23	93	0.0	2.1	0.5	0.9
Mechanics and repairers	-	2	6	17	0.0	0.1	0.1	0.2
Construction trades	-	1	1	-	0.0	0.1	0.0	0.0
Precision production	-	39	7	76	0.0	2.0	0.1	0.7
Operators, fabricators, and laborers	-	1,882	4,314	9,407	0.0	94.8	90.6	91.7
Machine operators, assemblers, inspect	-	1,859	4,194	8,961	0.0	93.6	88.1	87.4
Transportation and material moving	-	-	1	-	0.0	0.0	0.0	0.0
Handlers, equip cleaners, helpers,	-	23	119	447	0.0	1.2	2.5	4.4
Employed males 16 years and over	8	657	1,215	2,291	100.0	100.0	100.0	100.0
Managerial and professional specialty	5	58	131	63	62.5	8.8	10.8	2.7
Executive, administrative, and manager	4	43	113	60	50.0	6.5	9.3	2.6
Professional specialty	1	15	18	2	12.5	2.3	1.5	0.1
Technical, sales, and admin support	1	28	85	179	12.5	4.3	7.0	7.8
Technologists and technicians	-	2	9	3	0.0	0.3	0.7	0.1
Sales	1	20	52	116	12.5	3.0	4.3	5.1
Administrative support, incl clerical	-	6	24	60	0.0	0.9	2.0	2.6
Service	-	48	113	134	0.0	7.3	9.3	5.8
Private household	-	-	-	-	0.0	0.0	0.0	0.0
Protective service	-	-	4	1	0.0	0.0	0.3	0.0
Service, except protective & household	-	48	109	133	0.0	7.3	9.0	5.8
Farming, forestry, and fishing	-	15	52	32	0.0	2.3	4.3	1.4
Precision production, craft and repair	1	141	174	220	12.5	21.5	14.3	9.6
Mechanics and repairers	1	36	90	114	12.5	5.5	7.4	5.0
Construction trades	-	34	75	103	0.0	5.2	6.2	4.5
Precision production	-	71	9	3	0.0	10.8	0.7	0.1
Operators, fabricators, and laborers	1	367	660	1,664	12.5	55.9	54.3	72.6
Machine operators, assemblers, inspect	-	362	519	1,423	0.0	55.1	42.7	62.1
Transportation and material moving	-	3	11	7	0.0	0.5	0.9	0.3
Handlers, equip cleaners, helpers,	1	2	130	233	12.5	0.3	10.7	10.2

Table A.20.0 Chamorro Employment by Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	2,797	4,060	5,004	6,636	100.0	100.0	100.0	100.0
Managerial and professional specialty	660	1,337	1,864	2,372	23.6	32.9	37.3	35.7
Executive, administrative, and manager	409	990	1,256	1,540	14.6	24.4	25.1	23.2
Professional specialty	251	347	608	832	9.0	8.5	12.2	12.5
Technical, sales, and admin support	937	1,443	1,564	1,961	33.5	35.5	31.3	29.6
Technologists and technicians	116	125	120	165	4.1	3.1	2.4	2.5
Sales	255	500	470	530	9.1	12.3	9.4	8.0
Administrative support, incl clerical	566	818	974	1,266	20.2	20.1	19.5	19.1
Service	561	549	603	980	20.1	13.5	12.1	14.8
Private household	3	5	18	55	0.1	0.1	0.4	0.8
Protective service	129	203	354	507	4.6	5.0	7.1	7.6
Service, except protective & household	429	341	231	418	15.3	8.4	4.6	6.3
Farming, forestry, and fishing	61	66	78	102	2.2	1.6	1.6	1.5
Precision production, craft and repair	316	275	263	353	11.3	6.8	5.3	5.3
Mechanics and repairers	122	123	170	283	4.4	3.0	3.4	4.3
Construction trades	121	81	75	23	4.3	2.0	1.5	0.3
Precision production	72	71	18	47	2.6	1.7	0.4	0.7
Operators, fabricators, and laborers	258	390	632	806	9.2	9.6	12.6	12.1
Machine operators, assemblers, inspect	33	47	215	305	1.2	1.2	4.3	4.6
Transportation and material moving	107	223	226	180	3.8	5.5	4.5	2.7
Handlers, equip cleaners, helpers,	118	120	191	321	4.2	3.0	3.8	4.8
Employed females 16 years and over	1,095	1,677	2,098	2,981	100.0	100.0	100.0	100.0
Managerial and professional specialty	216	528	841	1,206	19.7	31.5	40.1	40.5
Executive, administrative, and manager	99	360	574	742	9.0	21.5	27.4	24.9
Professional specialty	117	168	267	463	10.7	10.0	12.7	15.5
Technical, sales, and admin support	573	901	938	1,128	52.3	53.7	44.7	37.8
Technologists and technicians	28	27	49	70	2.6	1.6	2.3	2.3
Sales	176	299	267	296	16.1	17.8	12.7	9.9
Administrative support, incl clerical	369	575	622	762	33.7	34.3	29.6	25.6
Service	271	172	193	360	24.7	10.3	9.2	12.1
Private household	3	5	16	47	0.3	0.3	0.8	1.6
Protective service	7	11	35	61	0.6	0.7	1.7	2.0
Service, except protective & household	261	156	142	252	23.8	9.3	6.8	8.5
Farming, forestry, and fishing	2	3	4	-	0.2	0.2	0.2	0.0
Precision production, craft and repair	13	20	11	54	1.2	1.2	0.5	1.8
Mechanics and repairers	2	9	6	31	0.2	0.5	0.3	1.0
Construction trades	3	1	2	-	0.3	0.1	0.1	0.0
Precision production	8	10	3	23	0.7	0.6	0.1	0.8
Operators, fabricators, and laborers	19	53	111	202	1.7	3.2	5.3	6.8
Machine operators, assemblers, inspect	7	23	59	170	0.6	1.4	2.8	5.7
Transportation and material moving	1	14	27	-	0.1	0.8	1.3	0.0
Handlers, equip cleaners, helpers,	11	16	25	32	1.0	1.0	1.2	1.1
Employed males 16 years and over	1,702	2,383	2,906	3,655	100.0	100.0	100.0	100.0
Managerial and professional specialty	444	809	1,023	1,166	26.1	33.9	35.2	31.9
Executive, administrative, and manager	310	630	682	798	18.2	26.4	23.5	21.8
Professional specialty	134	179	341	369	7.9	7.5	11.7	10.1
Technical, sales, and admin support	364	542	626	833	21.4	22.7	21.5	22.8
Technologists and technicians	88	98	71	95	5.2	4.1	2.4	2.6
Sales	79	201	203	234	4.6	8.4	7.0	6.4
Administrative support, incl clerical	197	243	352	504	11.6	10.2	12.1	13.8
Service	290	377	410	620	17.0	15.8	14.1	17.0
Private household	-	-	2	8	0.0	0.0	0.1	0.2
Protective service	122	192	319	446	7.2	8.1	11.0	12.2
Service, except protective & household	168	185	89	166	9.9	7.8	3.1	4.5
Farming, forestry, and fishing	59	63	74	102	3.5	2.6	2.5	2.8
Precision production, craft and repair	303	255	252	299	17.8	10.7	8.7	8.2
Mechanics and repairers	120	114	164	252	7.1	4.8	5.6	6.9
Construction trades	118	80	73	23	6.9	3.4	2.5	0.6
Precision production	64	61	15	24	3.8	2.6	0.5	0.7
Operators, fabricators, and laborers	239	337	521	604	14.0	14.1	17.9	16.5
Machine operators, assemblers, inspect	26	24	156	135	1.5	1.0	5.4	3.7
Transportation and material moving	106	209	199	180	6.2	8.8	6.8	4.9
Handlers, equip cleaners, helpers,	107	104	166	289	6.3	4.4	5.7	7.9

Table A.20.1 Carolinian Employment by Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	580	717	715	1,163	100.0	100.0	100.0	98.0
Managerial and professional specialty	102	174	216	256	17.6	24.3	30.2	22.0
Executive, administrative, and manager	35	69	92	140	6.0	9.6	12.9	12.0
Professional specialty	67	105	124	116	11.6	14.6	17.3	10.0
Technical, sales, and admin support	163	219	187	279	28.1	30.5	26.2	24.0
Technologists and technicians	17	18	20	93	2.9	2.5	2.8	8.0
Sales	28	57	53	47	4.8	7.9	7.4	4.0
Administrative support, incl clerical	118	144	114	140	20.3	20.1	15.9	12.0
Service	136	133	120	209	23.4	18.5	16.8	18.0
Private household	1	1	-	-	0.2	0.1	0.0	0.0
Protective service	28	50	66	70	4.8	7.0	9.2	6.0
Service, except protective & household	107	82	54	140	18.4	11.4	7.6	12.0
Farming, forestry, and fishing	24	10	11	-	4.1	1.4	1.5	0.0
Precision production, craft and repair	51	51	44	70	8.8	7.1	6.2	6.0
Mechanics and repairers	26	24	30	47	4.5	3.3	4.2	4.0
Construction trades	19	14	12	23	3.3	2.0	1.7	2.0
Precision production	6	13	2	-	1.0	1.8	0.3	0.0
Operators, fabricators, and laborers	103	130	137	326	17.8	18.1	19.2	28.0
Machine operators, assemblers, inspect	14	29	44	47	2.4	4.0	6.2	4.0
Transportation and material moving	42	67	53	93	7.2	9.3	7.4	8.0
Handlers, equip cleaners, helpers,	47	34	40	186	8.1	4.7	5.6	16.0
Employed females 16 years and over	212	296	274	488	100.0	100.0	100.0	100.2
Managerial and professional specialty	41	79	90	140	19.3	26.7	32.8	28.7
Executive, administrative, and manager	8	27	34	93	3.8	9.1	12.4	19.1
Professional specialty	33	52	56	47	15.6	17.6	20.4	9.6
Technical, sales, and admin support	97	135	121	163	45.8	45.6	44.2	33.4
Technologists and technicians	10	4	9	-	4.7	1.4	3.3	0.0
Sales	22	43	42	47	10.4	14.5	15.3	9.6
Administrative support, incl clerical	65	88	70	116	30.7	29.7	25.5	23.8
Service	61	52	37	93	28.8	17.6	13.5	19.1
Private household	1	1	-	-	0.5	0.3	0.0	0.0
Protective service	-	2	5	-	0.0	0.7	1.8	0.0
Service, except protective & household	60	49	32	93	28.3	16.6	11.7	19.1
Farming, forestry, and fishing	2	-	1	-	0.9	0.0	0.4	0.0
Precision production, craft and repair	3	5	1	-	1.4	1.7	0.4	0.0
Mechanics and repairers	1	-	-	-	0.5	0.0	0.0	0.0
Construction trades	-	-	-	-	0.0	0.0	0.0	0.0
Precision production	2	5	1	-	0.9	1.7	0.4	0.0
Operators, fabricators, and laborers	8	25	24	93	3.8	8.4	8.8	19.1
Machine operators, assemblers, inspect	5	19	15	47	2.4	6.4	5.5	9.6
Transportation and material moving	-	2	1	-	0.0	0.7	0.4	0.0
Handlers, equip cleaners, helpers,	3	4	8	47	1.4	1.4	2.9	9.6
Employed males 16 years and over	368	421	441	675	100.0	100.0	100.0	96.4
Managerial and professional specialty	61	95	126	116	16.6	22.6	28.6	17.2
Executive, administrative, and manager	27	42	58	47	7.3	10.0	13.2	7.0
Professional specialty	34	53	68	69	9.2	12.6	15.4	10.2
Technical, sales, and admin support	66	84	66	116	17.9	20.0	15.0	17.2
Technologists and technicians	7	14	11	93	1.9	3.3	2.5	13.8
Sales	6	14	11	-	1.6	3.3	2.5	0.0
Administrative support, incl clerical	53	56	44	24	14.4	13.3	10.0	3.6
Service	75	81	83	116	20.4	19.2	18.8	17.2
Private household	-	-	-	-	0.0	0.0	0.0	0.0
Protective service	28	48	61	70	7.6	11.4	13.8	10.4
Service, except protective & household	47	33	22	47	12.8	7.8	5.0	7.0
Farming, forestry, and fishing	22	10	10	-	6.0	2.4	2.3	0.0
Precision production, craft and repair	48	46	43	70	13.0	10.9	9.8	10.4
Mechanics and repairers	25	24	30	47	6.8	5.7	6.8	7.0
Construction trades	19	14	12	23	5.2	3.3	2.7	3.4
Precision production	4	8	1	-	1.1	1.9	0.2	0.0
Operators, fabricators, and laborers	95	105	113	233	25.8	24.9	25.6	34.5
Machine operators, assemblers, inspect	9	10	29	-	2.4	2.4	6.6	0.0
Transportation and material moving	42	65	52	93	11.4	15.4	11.8	13.8
Handlers, equip cleaners, helpers,	44	30	32	139	12.0	7.1	7.3	20.6



Table A.20.2 Micronesian Employment by Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	487	1,524	1,789	2,105	100.0	100.0	100.0	100.0
Managerial and professional specialty	115	193	290	327	23.6	12.7	16.2	15.5
Executive, administrative, and manager	71	78	151	163	14.6	5.1	8.4	7.7
Professional specialty	44	115	139	164	9.0	7.5	7.8	7.8
Technical, sales, and admin support	151	462	586	798	31.0	30.3	32.8	37.9
Technologists and technicians	23	17	22	70	4.7	1.1	1.2	3.3
Sales	36	220	241	326	7.4	14.4	13.5	15.5
Administrative support, incl clerical	92	225	323	403	18.9	14.8	18.1	19.1
Service	135	268	224	272	27.7	17.6	12.5	12.9
Private household	10	7	9	-	2.1	0.5	0.5	0.0
Protective service	16	72	70	78	3.3	4.7	3.9	3.7
Service, except protective & household	109	189	145	194	22.4	12.4	8.1	9.2
Farming, forestry, and fishing	9	19	22	-	1.8	1.2	1.2	0.0
Precision production, craft and repair	49	115	93	117	10.1	7.5	5.2	5.6
Mechanics and repairers	33	61	75	117	6.8	4.0	4.2	5.6
Construction trades	8	15	17	-	1.6	1.0	1.0	0.0
Precision production	8	39	1	-	1.6	2.6	0.1	0.0
Operators, fabricators, and laborers	28	467	574	515	5.7	30.6	32.1	24.5
Machine operators, assemblers, inspect.	6	222	205	189	1.2	14.6	11.5	9.0
Transportation and material moving	12	62	99	70	2.5	4.1	5.5	3.3
Handlers, equip cleaners, helpers,	10	183	270	256	2.1	12.0	15.1	12.2
Employed females 16 years and over	208	709	803	1,113	100.0	100.0	100.0	100.0
Managerial and professional specialty	39	96	151	164	18.8	13.5	18.8	14.7
Executive, administrative, and manager	17	23	79	94	8.2	3.2	9.8	8.4
Professional specialty	22	73	72	71	10.6	10.3	9.0	6.4
Technical, sales, and admin support	83	301	336	395	39.9	42.5	41.8	35.5
Technologists and technicians	5	3	5	-	2.4	0.4	0.6	0.0
Sales	29	177	196	210	13.9	25.0	24.4	18.9
Administrative support, incl clerical	49	121	135	186	23.6	17.1	16.8	16.7
Service	76	103	83	156	36.5	14.5	10.3	14.0
Private household	10	7	8	-	4.8	1.0	1.0	0.0
Protective service	-	-	-	7	0.0	0.0	0.0	0.6
Service, except protective & household	66	91	69	148	31.7	12.8	8.6	13.3
Farming, forestry, and fishing	1	1	1	-	0.5	0.1	0.1	0.0
Precision production, craft and repair	5	20	7	23	2.4	2.8	0.9	2.1
Mechanics and repairers	2	1	6	23	1.0	0.1	0.7	2.1
Construction trades	-	-	-	-	0.0	0.0	0.0	0.0
Precision production	3	19	-	-	1.4	2.7	0.0	0.0
Operators, fabricators, and laborers	4	188	225	328	1.9	26.5	28.0	29.5
Machine operators, assemblers, inspect	3	136	140	189	1.4	19.2	17.4	17.0
Transportation and material moving	1	3	2	23	0.5	0.4	0.2	2.1
Handlers, equip cleaners, helpers,	-	-	-	117	0.0	0.0	0.0	10.5
Employed males 16 years and over	279	815	986	992	100.0	100.0	100.0	100.0
Managerial and professional specialty	76	97	139	163	27.2	11.9	14.1	16.4
Executive, administrative, and manager	54	55	72	69	19.4	6.7	7.3	7.0
Professional specialty	22	42	67	93	7.9	5.2	6.8	9.4
Technical, sales, and admin support	68	161	250	403	24.4	19.8	25.4	40.6
Technologists and technicians	18	14	17	70	6.5	1.7	1.7	7.1
Sales	7	43	45	116	2.5	5.3	4.6	11.7
Administrative support, incl clerical	43	104	188	217	15.4	12.8	19.1	21.9
Service	59	165	141	116	21.1	20.2	14.3	11.7
Private household	-	-	1	-	0.0	0.0	0.1	0.0
Protective service	16	67	64	71	5.7	8.2	6.5	7.2
Service, except protective & household	43	98	76	46	15.4	12.0	7.7	4.6
Farming, forestry, and fishing	8	18	21	-	2.9	2.2	2.1	0.0
Precision production, craft and repair	44	95	86	94	15.8	11.7	8.7	9.5
Mechanics and repairers	31	60	69	94	11.1	7.4	7.0	9.5
Construction trades	8	15	16	-	2.9	1.8	1.6	0.0
Precision production	5	20	1	-	1.8	2.5	0.1	0.0
Operators, fabricators, and laborers	24	279	349	187	8.6	34.2	35.4	18.9
Machine operators, assemblers, inspect	3	86	65	-	1.1	10.6	6.6	0.0
Transportation and material moving	11	59	97	47	3.9	7.2	9.8	4.7
Handlers, equip cleaners, helpers,	10	134	187	139	3.6	16.4	19.0	14.0

Table A.20.3 Filipino Employment by Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	1,311	12,379	15,958	17,698	100.0	100.0	100.0	100.0
Managerial and professional specialty	165	1,436	2,212	2,901	12.6	11.6	13.9	16.4
Executive, administrative, and manager	70	797	1,401	2,104	5.3	6.4	8.8	11.9
Professional specialty	95	639	811	796	7.2	5.2	5.1	4.5
Technical, sales, and admin support	102	809	1,988	2,685	7.8	6.5	12.5	15.2
Technologists and technicians	18	126	181	254	1.4	1.0	1.1	1.4
Sales	20	403	1,060	1,419	1.5	3.3	6.6	8.0
Administrative support, incl clerical	64	280	747	1,012	4.9	2.3	4.7	5.7
Service	231	3,214	4,814	4,692	17.6	26.0	30.2	26.5
Private household	86	1,201	1,676	1,748	6.6	9.7	10.5	9.9
Protective service	2	127	336	254	0.2	1.0	2.1	1.4
Service, except protective & household	143	1,886	2,802	2,690	10.9	15.2	17.6	15.2
Farming, forestry, and fishing	17	580	761	620	1.3	4.7	4.8	3.5
Precision production, craft and repair	653	4,898	4,013	3,888	49.8	39.6	25.1	22.0
Mechanics and repairers	85	407	1,287	1,695	6.5	3.3	8.1	9.6
Construction trades	499	4,276	2,548	1,951	38.1	34.5	16.0	11.0
Precision production	68	204	174	243	5.2	1.6	1.1	1.4
Operators, fabricators, and laborers	143	1,442	2,170	2,616	10.9	11.6	13.6	14.8
Machine operators, assemblers, inspect	51	730	1,062	1,128	3.9	5.9	6.7	6.4
Transportation and material moving	52	354	446	593	4.0	2.9	2.8	3.4
Handlers, equip cleaners, helpers,	40	358	662	895	3.1	2.9	4.1	5.1
Employed females 16 years and over	311	4,144	6,584	7,779	100.0	100.0	100.0	100.0
Managerial and professional specialty	39	741	1,329	1,680	12.5	17.9	20.2	21.6
Executive, administrative, and manager	11	418	913	1,279	3.5	10.1	13.9	16.4
Professional specialty	28	323	416	400	9.0	7.8	6.3	5.1
Technical, sales, and admin support	51	469	1,215	1,721	16.4	11.3	18.5	22.1
Technologists and technicians	3	17	39	93	1.0	0.4	0.6	1.2
Sales	12	262	785	1,087	3.9	6.3	11.9	14.0
Administrative support, incl clerical	36	190	391	541	11.6	4.6	5.9	7.0
Service	188	2,306	3,178	3,168	60.5	55.6	48.3	40.7
Private household	86	1,182	1,615	1,639	27.7	28.5	24.5	21.1
Protective service	-	2	19	51	0.0	0.0	0.3	0.7
Service, except protective & household	102	1,122	1,544	1,478	32.8	27.1	23.5	19.0
Farming, forestry, and fishing	1	10	17	8	0.3	0.2	0.3	0.1
Precision production, craft and repair	26	94	131	230	8.4	2.3	2.0	3.0
Mechanics and repairers	1	2	27	124	0.3	0.0	0.4	1.6
Construction trades	1	21	12	3	0.3	0.5	0.2	0.0
Precision production	24	70	92	104	7.7	1.7	1.4	1.3
Operators, fabricators, and laborers	6	524	714	801	1.9	12.6	10.8	10.3
Machine operators, assemblers, inspect	6	492	562	562	1.9	11.9	8.5	7.2
Transportation and material moving	-	9	14	34	0.0	0.2	0.2	0.4
Handlers, equip cleaners, helpers,	-	23	138	205	0.0	0.6	2.1	2.6
Employed males 16 years and over	1,000	8,235	9,374	9,919	100.0	100.0	100.0	100.0
Managerial and professional specialty	126	695	883	1,221	12.6	8.4	9.4	12.3
Executive, administrative, and manager	59	379	488	825	5.9	4.6	5.2	8.3
Professional specialty	67	316	395	396	6.7	3.8	4.2	4.0
Technical, sales, and admin support	51	340	773	964	5.1	4.1	8.2	9.7
Technologists and technicians	15	109	142	161	1.5	1.3	1.5	1.6
Sales	8	141	275	332	0.8	1.7	2.9	3.3
Administrative support, incl clerical	28	90	356	471	2.8	1.1	3.8	4.7
Service	43	908	1,636	1,524	4.3	11.0	17.5	15.4
Private household	-	19	61	109	0.0	0.2	0.7	1.1
Protective service	2	125	317	203	0.2	1.5	3.4	2.0
Service, except protective & household	41	764	1,258	1,212	4.1	9.3	13.4	12.2
Farming, forestry, and fishing	16	570	744	612	1.6	6.9	7.9	6.2
Precision production, craft and repair	627	4,804	3,882	3,658	62.7	58.3	41.4	36.9
Mechanics and repairers	84	405	1,260	1,571	8.4	4.9	13.4	15.8
Construction trades	498	4,255	2,536	1,948	49.8	51.7	27.1	19.6
Precision production	44	134	82	139	4.4	1.6	0.9	1.4
Operators, fabricators, and laborers	137	918	1,456	1,815	13.7	11.1	15.5	18.3
Machine operators, assemblers, inspect	45	238	500	566	4.5	2.9	5.3	5.7
Transportation and material moving	52	345	432	559	5.2	4.2	4.6	5.6
Handlers, equip cleaners, helpers,	40	335	524	690	4.0	4.1	5.6	7.0

Table A.20.4 Chinese Employment by Occupation, 1980 to 1999

Occupation	Number of persons				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	18	2,759	5,894	12,577	100.0	100.0	100.0	100.0
Managerial and professional specialty	10	139	248	204	55.6	5.0	4.2	1.6
Executive, administrative, and manager	7	116	212	174	38.9	4.2	3.6	1.4
Professional specialty	3	23	36	30	16.7	0.8	0.6	0.2
Technical, sales, and admin support	4	75	204	357	22.2	2.7	3.5	2.8
Technologists and technicians	-	9	9	3	0.0	0.3	0.2	0.0
Sales	2	44	131	270	11.1	1.6	2.2	2.1
Administrative support, incl clerical	2	22	64	84	11.1	0.8	1.1	0.7
Service	2	79	344	561	11.1	2.9	5.8	4.5
Private household	-	-	17	31	0.0	0.0	0.3	0.2
Protective service	-	-	4	3	0.0	0.0	0.1	0.0
Service, except protective & household	2	79	323	527	11.1	2.9	5.5	4.2
Farming, forestry, and fishing	-	17	63	32	0.0	0.6	1.1	0.3
Precision production, craft and repair	1	185	202	291	5.6	6.7	3.4	2.3
Mechanics and repairers	1	39	100	131	5.6	1.4	1.7	1.0
Construction trades	-	36	77	80	0.0	1.3	1.3	0.6
Precision production	-	110	16	80	0.0	4.0	0.3	0.6
Operators, fabricators, and laborers	1	2,264	4,833	11,109	5.6	82.1	82.0	88.3
Machine operators, assemblers, inspect	-	2,233	4,575	10,420	0.0	80.9	77.6	82.8
Transportation and material moving	-	3	12	7	0.0	0.1	0.2	0.1
Handlers, equip cleaners, helpers,	1	28	246	682	5.6	1.0	4.2	5.4
Employed females 16 years and over	6	2,030	4,643	10,216	100.0	100.0	100.0	100.0
Managerial and professional specialty	3	40	89	114	50.0	2.0	1.9	1.1
Executive, administrative, and manager	1	36	75	86	16.7	1.8	1.6	0.8
Professional specialty	2	4	14	28	33.3	0.2	0.3	0.3
Technical, sales, and admin support	3	31	107	154	50.0	1.5	2.3	1.5
Technologists and technicians	-	4	-	-	0.0	0.2	0.0	0.0
Sales	1	15	68	131	16.7	0.7	1.5	1.3
Administrative support, incl clerical	2	12	39	23	33.3	0.6	0.8	0.2
Service	-	25	231	420	0.0	1.2	5.0	4.1
Private household	-	-	17	23	0.0	0.0	0.4	0.2
Protective service	-	-	-	2	0.0	0.0	0.0	0.0
Service, except protective & household	-	25	214	395	0.0	1.2	4.6	3.9
Farming, forestry, and fishing	-	-	11	-	0.0	0.0	0.2	0.0
Precision production, craft and repair	-	42	23	93	0.0	2.1	0.5	0.9
Mechanics and repairers	-	2	6	17	0.0	0.1	0.1	0.2
Construction trades	-	1	1	-	0.0	0.0	0.0	0.0
Precision production	-	39	7	76	0.0	1.9	0.2	0.7
Operators, fabricators, and laborers	-	1,892	4,182	9,412	0.0	93.2	90.1	92.1
Machine operators, assemblers, inspect	-	1,868	4,068	8,966	0.0	92.0	87.6	87.8
Transportation and material moving	-	-	1	-	0.0	0.0	0.0	0.0
Handlers, equip cleaners, helpers,	-	24	113	447	0.0	1.2	2.4	4.4
Employed males 16 years and over	12	729	1,251	2,361	100.0	100.0	100.0	100.0
Managerial and professional specialty	7	99	159	90	58.3	13.6	12.7	3.8
Executive, administrative, and manager	6	80	137	88	50.0	11.0	11.0	3.7
Professional specialty	1	19	22	2	8.3	2.6	1.8	0.1
Technical, sales, and admin support	1	44	97	203	8.3	6.0	7.8	8.6
Technologists and technicians	-	5	9	3	0.0	0.7	0.7	0.1
Sales	1	29	63	139	8.3	4.0	5.0	5.9
Administrative support, incl clerical	-	10	25	61	0.0	1.4	2.0	2.6
Service	2	54	113	141	16.7	7.4	9.0	6.0
Private household	-	-	-	8	0.0	0.0	0.0	0.3
Protective service	-	-	4	1	0.0	0.0	0.3	0.0
Service, except protective & household	2	54	109	132	16.7	7.4	8.7	5.6
Farming, forestry, and fishing	-	17	52	32	0.0	2.3	4.2	1.4
Precision production, craft and repair	1	143	179	198	8.3	19.6	14.3	8.4
Mechanics and repairers	1	37	94	114	8.3	5.1	7.5	4.8
Construction trades	-	35	76	80	0.0	4.8	6.1	3.4
Precision production	-	71	9	4	0.0	9.7	0.7	0.2
Operators, fabricators, and laborers	1	372	651	1,697	8.3	51.0	52.0	71.9
Machine operators, assemblers, inspect	-	365	507	1,454	0.0	50.1	40.5	61.6
Transportation and material moving	-	3	11	7	0.0	0.4	0.9	0.3
Handlers, equip cleaners, helpers,	1	4	133	235	8.3	0.5	10.6	10.0

Table A.21.0 CNMI Total Employment by Class of Worker, 1980 to 1999

CLASS OF WORKER	Number of workers				Percent distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
Employed persons 16 years and over	5,941	25,965	34,812	46,590	100.0	100.0	100.0	100.0
Private for wage and salary workers	3,308	22,027	28,841	38,920	55.7	84.8	82.8	83.5
Government workers	2,500	3,510	5,018	6,367	42.1	13.5	14.4	13.7
Self-employed workers	124	382	866	717	2.1	1.5	2.5	1.5
Unpaid family workers	9	46	87	70	0.2	0.2	0.2	0.2
Employed females 16 years and over	2,039	11,183	16,475	25,002	100.0	100.0	100.0	100.0
Private for wage and salary workers	1,164	9,637	14,060	21,496	57.1	86.2	85.3	86.0
Government workers	839	1,427	2,103	2,883	41.1	12.8	12.8	11.5
Self-employed workers	33	94	251	296	1.6	0.8	1.5	1.2
Unpaid family workers	3	25	61	47	0.1	0.2	0.4	0.2
Employed Male 16 years and over	3,902	14,782	18,337	21,588	100.0	100.0	100.0	100.0
Private for wage and salary workers	2,144	12,390	14,781	17,424	54.9	83.8	80.6	80.7
Government workers	1,661	2,083	2,915	3,484	42.6	14.1	15.9	16.1
Self-employed workers	91	288	615	421	2.3	1.9	3.4	2.0
Unpaid family workers	6	21	26	23	0.2	0.1	0.1	0.1

Table A.22.0 CNMI Total Employment by Class of Worker and  
Citizenship, 1980 to 1999

Class of Worker	1980	1990	1995	1999
Number of US citizens				
Employed persons 16 years and over	3,673	6,302	8,745	11,328
Private for wage and salary workers	1,564	3,102	4,044	5,454
Government workers	2,013	2,942	4,300	5,333
Self-employed workers	88	240	378	344
Unpaid family workers	8	18	23	23
Number of Non-US citizens				
Employed persons 16 years and over	2,268	19,663	26,067	35,262
Private for wage and salary workers	1,744	18,925	24,797	33,466
Government workers	487	568	718	1,034
Self-employed workers	36	142	488	372
Unpaid family workers	1	28	64	47
Percent Non-US Citizen				
Employed persons 16 years and over	38.2	75.7	74.9	75.7
Private for wage and salary workers	52.7	85.9	86.0	86.0
Government workers	19.5	16.2	14.3	16.2
Self-employed workers	29.0	37.2	56.4	52.0
Unpaid family workers	11.1	60.9	73.6	67.1

Table A.23.0 CNMI Unemployment by Age Group and Sex, 1973 to 1999

Sex Age	Number of Persons Unemployed					Percent distribution				
	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
All person	601	148	616	2,728	2,103	100.0	100.0	100.0	100.0	100.0
16 to 19	169	28	126	363	374	28.1	18.9	20.5	13.3	17.8
20 to 24	154	41	158	562	460	25.6	27.7	25.6	20.6	21.9
25 to 29	83	34	101	570	279	13.8	23.0	16.4	20.9	13.3
30 to 34	21	11	79	437	87	3.5	7.4	12.8	16.0	4.1
35 to 39	23	9	58	314	204	3.8	6.1	9.4	11.5	9.7
40 to 44	18	6	27	214	109	3.0	4.1	4.4	7.8	5.2
45 to 49	17	7	27	132	209	2.8	4.7	4.4	4.8	9.9
50 to 54	28	10	16	60	218	4.7	6.8	2.6	2.2	10.4
55 to 59	29	2	7	44	101	4.8	1.4	1.1	1.6	4.8
60 to 64	25	-	8	20	54	4.2	-	1.3	0.7	2.6
65 and over	34	-	9	12	8	5.7	-	1.5	0.4	0.4
All females	298	55	308	1,558	965	100.0	100.0	100.0	100.0	100.0
16 to 19	97	11	64	172	225	32.6	20.0	20.8	11.0	23.3
20 to 24	77	14	83	368	202	25.8	25.5	26.9	23.6	20.9
25 to 29	38	17	54	380	147	12.8	30.9	17.5	24.4	15.2
30 to 34	13	5	41	267	40	4.4	9.1	13.3	17.1	4.1
35 to 39	11	3	25	163	117	3.7	5.5	8.1	10.5	12.1
40 to 44	7	1	13	101	54	2.3	1.8	4.2	6.5	5.6
45 to 49	8	-	11	50	54	2.7	-	3.6	3.2	5.6
50 to 54	14	3	5	31	62	4.7	5.5	1.6	2.0	6.4
55 to 59	16	1	5	14	55	5.4	1.8	1.6	0.9	5.7
60 to 64	6	-	1	6	7	2.0	-	0.3	0.4	0.7
65 and over	11	-	6	6	-	3.7	-	1.9	0.4	0.0
All males	303	93	308	1,170	1,138	100.0	100.0	100.0	100.0	100.0
16 to 19	72	17	62	191	149	23.8	18.3	20.1	16.3	13.1
20 to 24	77	27	75	194	258	25.4	29.0	24.4	16.6	22.7
25 to 29	45	17	47	190	132	14.9	18.3	15.3	16.2	11.6
30 to 34	8	6	38	170	47	2.6	6.5	12.3	14.5	4.1
35 to 39	12	6	33	151	87	4.0	6.5	10.7	12.9	7.6
40 to 44	11	5	14	113	55	3.6	5.4	4.5	9.7	4.8
45 to 49	9	7	16	82	155	3.0	7.5	5.2	7.0	13.6
50 to 54	14	7	11	29	156	4.6	7.5	3.6	2.5	13.7
55 to 59	13	1	2	30	46	4.3	1.1	0.6	2.6	4.0
60 to 64	19	-	7	14	47	6.3	-	2.3	1.2	4.1
65 and over	23	-	3	6	8	7.6	-	1.0	0.5	0.7

Table A.23.1 CNMI Unemployment Rate by Age Group, 1973 to 1999

Age	Unemployment Rates				
	1973	1980	1990	1995	1999
All person	12.6	2.4	2.3	7.3	4.3
16 to 19	41.6	6.7	12.5	28.3	24.9
20 to 24	16.3	4.0	3.3	9.7	6.8
25 to 29	10.3	3.0	1.8	6.9	2.8
30 to 34	3.4	1.1	1.5	6.1	1.0
35 to 39	4.2	1.3	1.5	5.3	2.7
40 to 44	4.1	0.9	1.0	5.4	2.0
45 to 49	5.3	1.4	1.6	5.1	4.8
50 to 54	10.3	3.0	1.7	4.5	9.4
55 to 59	15.7	1.0	1.4	6.0	7.5
60 to 64	17.7	-	3.5	5.8	7.6
65 and over	30.4	-	6.1	5.0	3.7
All females	21.7	2.6	2.7	8.6	3.7
16 to 19	47.5	5.3	10.5	24.9	30.3
20 to 24	19.6	2.9	2.5	9.7	4.3
25 to 29	15.1	3.7	2.1	8.0	2.2
30 to 34	9.1	1.5	2.0	8.0	0.9
35 to 39	8.9	1.5	1.9	6.8	3.4
40 to 44	9.0	0.6	1.6	6.9	2.2
45 to 49	16.0	-	2.8	5.9	3.1
50 to 54	28.6	5.1	2.4	8.2	7.6
55 to 59	39.0	3.2	3.6	6.9	12.8
60 to 64	35.3	-	1.5	5.9	3.8
65 and over	47.8	-	13.6	8.5	-

Table A.24.0 CNMI Unemployment by Citizenship and Sex, 1973 to 1999

Citizenship	Number of Persons					Percent distribution				
	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
All persons	601	148	616	2,728	2,103	100.0	100.0	100.0	100.0	100.0
U.S. Citizen	498	114	383	1,275	1,313	82.9	77.0	62.2	46.7	62.4
CNMI born	467	109	340	1,010	1,133	77.7	73.6	55.2	37.0	53.9
Other U.S. citizen	31	5	43	265	180	5.2	3.4	7.0	9.7	8.6
Non-US Citizen	103	34	233	1453	790	17.1	23.0	37.8	53.3	37.6
Permanent residence	78	19	112	242	279	13.0	12.8	18.2	8.9	13.3
Temporary residence	25	15	121	1211	511	4.2	10.1	19.6	44.4	24.3
All females	298	55	308	1,558	965	100.0	100.0	100.0	100.0	100.0
U.S. Citizen	238	40	182	642	563	79.9	72.7	59.1	41.2	58.3
CNMI born	224	38	161	504	484	75.2	69.1	52.3	32.3	50.2
Other U.S. citizen	14	2	21	138	78	4.7	3.6	6.8	8.9	8.1
Non-US Citizen	60	15	126	916	402	20.1	27.3	40.9	58.8	41.7
Permanent residence	47	11	56	130	140	15.8	20.0	18.2	8.3	14.5
Temporary residence	13	4	70	786	262	4.4	7.3	22.7	50.4	27.2
All males	303	93	308	1,170	1,138	100.0	100.0	100.0	100.0	100.0
U.S. Citizen	260	74	201	633	750	85.8	79.6	65.3	54.1	65.9
CNMI born	243	71	179	506	649	80.2	76.3	58.1	43.2	57.0
Other U.S. citizen	17	3	22	127	102	5.6	3.2	7.1	10.9	9.0
Non-US Citizen	43	19	107	537	388	14.2	20.4	34.7	45.9	34.1
Permanent residence	31	8	56	112	139	10.2	8.6	18.2	9.6	12.2
Temporary residence	12	11	51	425	249	4.0	11.8	16.6	36.3	21.9



Table A.24.1 CNMI Unemployment Rate by Citizenship, 1973 to 1999

Citizenship	1973	Unemployment Rates			
		1980	1990	1995	1999
All persons	12.6	2.4	2.3	7.3	4.3
U.S. Citizen	14.3	3.0	5.7	12.7	10.4
CNMI born	15.1	3.2	6.7	14.3	12.2
Other U.S. citizen	8.2	1.3	2.7	8.9	6.0
Not a Citizen	7.8	1.5	1.2	5.3	2.2
Permanent residence	14.5	3.1	7.4	14.2	8.1
Temporary residence	3.2	0.9	0.7	4.7	1.6
All females	21.7	2.6	2.7	8.6	3.7
U.S. Citizen	21.5	2.8	6.8	15.3	10.2
CNMI born	22.3	2.9	7.7	16.8	11.8
Other U.S. citizen	13.6	1.5	3.6	11.6	8.6
Not a Citizen	22.6	2.3	1.4	6.6	2.0
Permanent residence	30.3	4.2	7.9	16.8	7.1
Temporary residence	11.7	1.0	0.9	6.0	1.4

Table A.25.0 CNMI Unemployment by Place of Birth and Sex, 1973 to 1999

Birthplace	Persons unemployed					Percent distribution				
	1973	1980	1990	1995	1999	1973	1980	1990	1995	1999
All persons	601	148	616	2,728	2,103	100.0	100.0	100.0	100.0	100.0
CNMI	467	109	340	1,010	1,133	77.7	73.6	55.2	37.0	53.9
Saipan	398	93	294	892	929	66.2	62.8	47.7	32.7	44.2
Tinian	24	2	14	37	38	4.0	1.4	2.3	1.4	1.8
Rota	45	14	32	81	167	7.5	9.5	5.2	3.0	7.9
Palau	28	11	47	115	124	4.7	7.4	7.6	4.2	5.9
FSM	50	8	75	153	187	8.3	5.4	12.2	5.6	8.9
Asia	23	9	121	1,218	504	3.8	6.1	19.6	44.6	24.0
Philippines	11	9	97	584	380	1.8	6.1	15.7	21.4	18.1
China	12	0	1	518	70	2.0	-	0.2	19.0	3.3
Guam/US	31	5	27	203	148	5.2	3.4	4.4	7.4	7.0
Elsewhere	2	6	6	29	7	0.3	4.1	1.0	1.1	0.3
All Female	298	55	308	1,558	965	100.0	100.0	100.0	100.0	99.8
CNMI	224	38	161	504	484	75.2	69.1	52.3	32.3	50.2
Saipan	188	29	137	444	386	63.1	52.7	44.5	28.5	40.0
Tinian	12	1	7	23	31	4.0	1.8	2.3	1.5	3.2
Rota	24	8	17	37	67	8.1	14.5	5.5	2.4	6.9
Palau	21	9	20	57	54	7.0	16.4	6.5	3.7	5.6
FSM	26	2	40	86	23	8.7	3.6	13.0	5.5	2.4
Asia	13	4	71	796	317	4.4	7.3	23.1	51.1	32.8
Philippines	9	4	55	344	248	3.0	7.3	17.9	22.1	25.7
China	4	-	1	410	47	1.3	-	0.3	26.3	4.9
Guam/US	14	2	13	101	78	4.7	3.6	4.2	6.5	8.1
Elsewhere	-	-	3	14	7	-	-	1.0	0.9	0.7
All males	303	93	308	1,170	1,138	100.0	100.0	100.0	100.0	100.2
CNMI	243	71	179	506	649	80.2	76.3	58.1	43.2	57.0
Saipan	210	64	157	448	543	69.3	68.8	51.0	38.3	47.7
Tinian	12	1	7	14	7	4.0	1.1	2.3	1.2	0.6
Rota	21	6	15	44	100	6.9	6.5	4.9	3.8	8.8
Palau	7	2	27	58	70	2.3	2.2	8.8	5.0	6.2
FSM	24	6	35	67	164	7.9	6.5	11.4	5.7	14.4
Asia	10	5	50	422	187	3.3	5.4	16.2	36.1	16.4
Philippines	2	5	42	240	132	0.7	5.4	13.6	20.5	11.6
China	8	-	-	108	23	2.6	0.0	0.0	9.2	2.0
Guam/US	17	3	14	102	70	5.6	3.2	4.5	8.7	6.2
Elsewhere	2	6	3	15	-	0.7	6.5	1.0	1.3	0.0

Table A.25.1 CNMI Unemployment Rate by Place of Birth, 1973 to 1999

Birthplace	Unemployment Rates				
	1973	1980	1990	1995	1999
All persons	12.6	2.4	2.3	7.3	4.3
CNMI15.1	3.2	6.7	14.3	12.2	
Saipan	15.1	3.2	6.7	15.3	11.6
Tinian	24.7	2.3	8.8	8.9	12.8
Rota	12.3	3.5	6.1	9.9	16.8
Palau	10.7	3.6	5.8	12.6	11.8
FSM	18.1	2.5	8.3	14.8	11.5
Asia	3.2	0.6	0.7	4.7	1.5
Philippines	1.8	0.7	0.8	3.5	2.1
China	11.1	-	-	8.0	0.6
Guam/US	8.2	1.3	2.6	9.4	6.0
Elsewhere	3.8	3.6	3.0	10.9	3.0
All Female	21.7	2.6	2.7	8.6	3.7
CNMI22.3	2.9	7.7	16.8	11.8	
Saipan	21.9	2.6	7.5	17.9	10.9
Tinian	36.4	2.9	12.7	13.8	24.2
Rota	21.1	5.1	8.1	10.3	15.9
Palau	25.9	6.0	4.9	13.3	8.6
FSM	35.1	1.8	10.1	18.5	3.6
Asia	13.1	1.2	0.9	6.0	1.6
Philippines	11.5	1.3	1.3	5.0	3.1
China	19.0	-	0.1	7.9	0.5
Guam/US	13.6	1.5	3.7	12.5	8.6
Elsewhere	-	-	3.2	13.0	11.1

Table A.26.0 CNMI Unemployment by Ethnicity and Sex, 1980 to 1999

Ethnicity	Number of Persons Unemployed				Percent Distribution			
	1980	1990	1995	1999	1980	1990	1995	1999
All persons	148	616	2,728	2,103	100.0	100.0	100.0	100.0
Single Ethnic	146	586	2,530	1,894	-	-	-	-
Chamorro	88	252	712	817	59.5	40.9	26.1	38.8
Carolinian	22	88	192	140	14.9	14.3	7.0	6.7
Palauan	12	45	140	147	8.1	7.3	5.1	7.0
Other Micronesian	5	67	162	186	3.4	10.9	5.9	8.8
Filipino	8	96	590	426	5.4	15.6	21.6	20.3
Chinese	-	1	527	70	-	0.2	19.3	3.3
Other Asian	1	23	111	55	0.7	3.7	4.1	2.6
Other Ethnic Group	10	14	96	54	6.8	2.3	3.5	2.6
Multiple Ethnic	2	30	198	209	1.4	4.9	7.3	9.9
All females	55	308	1,558	965	100.0	100.0	100.0	100.0
Single Ethnic	54	292	1,453	872	98.2	94.8	93.3	90.4
Chamorro	29	112	351	284	52.7	36.4	22.5	29.4
Carolinian	8	46	91	70	14.5	14.9	5.8	7.3
Palauan	10	18	73	77	18.2	5.8	4.7	8.0
Other Micronesian	2	39	88	47	3.6	12.7	5.6	4.9
Filipino	3	54	344	294	5.5	17.5	22.1	30.5
Chinese	-	1	418	47	-	0.3	26.8	4.9
Other Asian	1	16	39	23	1.8	5.2	2.5	2.4
Other Ethnic Group	1	6	49	31	1.8	1.9	3.1	3.2
Multiple Ethnic	1	16	105	93	1.8	5.2	6.7	9.6
All males	93	308	1,170	1,138	100.0	100.0	100.0	100.0
Single Ethnic	92	294	1,077	1,022	98.9	95.5	92.1	89.8
Chamorro	59	140	361	533	63.4	45.5	30.9	46.8
Carolinian	14	42	101	70	15.1	13.6	8.6	6.2
Palauan	2	27	67	70	2.2	8.8	5.7	6.2
Other Micronesian	3	28	74	139	3.2	9.1	6.3	12.2
Filipino	5	42	246	132	5.4	13.6	21.0	11.6
Chinese	-	-	109	23	0.0	0.0	9.3	2.0
Other Asian	-	7	72	32	0.0	2.3	6.2	2.8
Other Ethnic Group	9	8	47	23	9.7	2.6	4.0	2.0
Multiple Ethnic	1	14	93	116	1.1	4.5	7.9	10.2

Table A.26.1 CNMI Unemployment Rate by Ethnicity, 1980 to 1999

Ethnicity	Unemployment Rates			
	1980	1990	1995	1999
All persons	2.4	2.3	7.3	4.3
Single Ethnic	2.4	2.2	7.0	4.0
Chamorro	3.1	5.8	12.5	11.0
Carolinian	3.7	10.9	21.2	10.8
Palauan	4.3	5.7	13.4	13.4
Other Micronesian	2.2	8.0	15.4	13.9
Filipino	0.6	0.8	3.6	2.4
Chinese	-	-	8.2	0.6
Other Asian	0.5	0.7	3.5	1.6
Other Ethnic Group	2.1	1.6	6.4	2.9
Multiple Ethnic	2.2	6.1	16.1	14.2
All females	2.6	2.7	8.6	3.7
Single Ethnic	2.6	2.6	8.3	3.4
Chamorro	2.6	6.3	14.3	8.7
Carolinian	3.6	13.5	24.9	12.5
Palauan	7.0	4.6	14.9	11.0
Other Micronesian	2.6	10.4	18.6	8.7
Filipino	1.0	1.3	5.0	3.6
Chinese	-	-	8.3	0.5
Other Asian	2.4	0.8	3.2	1.7
Other Ethnic Group	0.8	2.2	10.1	4.9
Multiple Ethnic	2.7	7.9	19.1	16.4