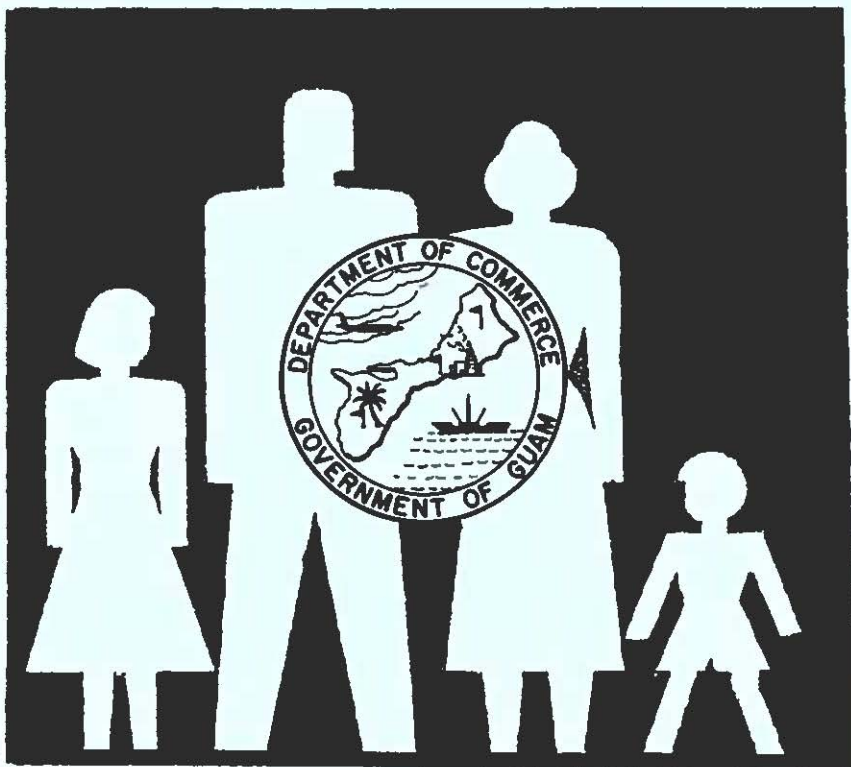


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Population Newsbrief...



ANTHONY H. QUAN, DIRECTOR
HENRY M. CRUZ, DEPUTY DIRECTOR

CENSUS AND POPULATION DIVISION
DEPARTMENT OF COMMERCE
GOVERNMENT OF GUAM

PREFACE

This is the first issue of Population Newsbrief for the Territory of Guam portraying the demographic profile of the island and its people. As the data becomes available from either the census, vital statistics or sample surveys, more attention will be given in updating this issue to insure the comparability of the population over the years.

The Study of population focuses attention on the size, structure, distribution, and growth of population and how these factors affect, and in turn, are affected by social, cultural, economic and other variables.

There are four ways in which the number of people in any area can undergo changes:

- 1) Children may be born in that area;
- 2) The inhabitants of that area may die;
- 3) People from other areas may move into
that area, and;
- 4) Inhabitants of that area may move out.

These components of population change, namely births, deaths and immigration are identified as fertility, mortality, and migration respectively, and are known as demographic or population variables because the size, growth, structure, and distribution of any population are determined by them.

In this regard, The Population Newsbrief will be on a quarterly basis, and any helpful comments, recommendations or constructive criticism will be most welcomed.

DEMOGRAPHIC SITUATION

GUAM, U.S.A.

OVERVIEW

Guam, an unincorporated territory of the United States, is the largest and most populated island in the Western Pacific Ocean between Hawaii and the Philippines. The island is 30 miles long and ranges from 4 miles at its narrowest point to 8.5 miles at its widest with an area of 209 square miles. Guam lies 13 degrees 28' 29" North, and 144 degrees 44' 55" East, or 3,700 miles west southwest to Honolulu, 1,500 miles east of Manila and 1,500 miles south southeast of Tokyo.

Generally, the climate is warm and humid regardless of the time of year. Temperatures range from 70 to 90 degrees Fahrenheit, with a mean annual temperature of 81 degrees. May and June are the hottest months, with most rainfall occurring from July through September. The average yearly precipitation is 70 inches. Guam finds relief in the tradewinds during the dry season, December through April, but also periodically experiences major tropical storms and typhoons.

POPULATION

Guam's population has increased from 9,700 at the beginning of the century to 105,821 in 1980. It grew an annual equivalent compound rate of 2.1 percent during the period 1901-1940 and 1.9 percent for the period 1950-1980. In the 1940's, the population in Guam grew very rapidly - an average of 9.8 percent annually due mainly to increased military strength. Guam's population continues to grow at a rate of 2.2 percent annually. Since the 20th decennial census in 1980, the population grew from 105,979 to an estimated total of 113,230 persons in 1983. Should the rate of increase remain constant over the years, Guam's population will double by the year 2012 A.D.

Population density in 1983 is around 542 persons per square mile or 209 per square kilometer.

The crude birth rate of 31 per thousand population continues to decline gradually while the crude death rate is expected to remain constant or decline at an insignificant rate of change. Interestingly, Guam's infant mortality rate of 16 per thousand live births is a lower rate than in most developed countries in the World. The transition of Guam's infant deaths seems to have stabilized with little change for fifteen years, corresponding to the trend of death rates (Figure 9).

Guam's population lives longer than developing and some developed countries. Females are expected to live 74 years from birth and biologically outlive their counterparts by four or five years, while males have 69 or 70 as the average number of years lived since birth (Tables 2&3). The total fertility rate for Guam's females during their reproductive span (age 15-49 years) showed a 3-births-per-woman or 3,200 births per thousand women in the same age group. Statistics show that females are more fertile at the age of 20-24 with 194 births per thousand women in this group (age specific fertility rate). Of all the females in their reproductive ages (15-49), 27 years of age is known as the "Mean Age of Fertility Schedule".

The child-woman ratio in Guam shows 480 children under 5 years of age per 1,000 women of childbearing age.

The overall sex ratio constitutes 106 males to every 100 females while 109 males to every 100 females is known as the sex ratio at birth.

Guam's population is still young. Thirty-five percent constitute children under 15 years of age; there are 56 persons in the child dependency ages to every 100 persons in the working ages. On the other hand, there are 8 persons aged 65 and over to every 100 children age 14 and below, while there are 4 persons in the older ages for every 100 persons in the working ages. All in all, the total dependency ratio indicates 60 persons in both young and old ages for every 100 persons in the working ages.

FAMILY PLANNING PROJECT

The Family Planning Project (FPP) was initiated jointly by members of the Maternal Child Health-Family Planning (MCH-FP) program planning committee during the early '70s as planners observed the increasing birth rates of the '60s. The objectives of the project are to:

1. Provide family planning continuing services to the population, both males and females in their reproductive ages, especially adolescents.
2. Provide a preventive education program at the largest local school with a long range goal of reducing the number of school-aged pregnancies which will be monitored over a period of 3 years to determine the impact of the services in reducing teen-age pregnancy.
3. Develop a system for evaluating the impact of clinical family planning services to include:
 - a. Evaluation of the percentage of public health prenatal patients who enroll in family planning services within two months of delivery.
 - b. Evaluation of the percentage of public health prenatal patients with less than two years after the last pregnancy, broken down by age groups, which will determine how successful the post-partum services are in achieving the optimum spacing of children.
4. Conduct a research study of public health patients who enrolled in the FPP and had conceived from June to July, during a twelve month period for the purpose of determining the reasons for pregnancy.

FAMILY PLANNING SERVICES

The Family Planning Services (FPS) represent a coordinated approach designed to assist fertile females of childbearing age and their partners in making informed, intelligent reproduction choices through making education, information, medical, social and supportive services available to the public. The services are available in three regional health centers with sufficient clinic space for adequate service provision. The following identifies the scope of existing family planning services.

A. Medical Services

1. Pelvic Examination
2. Abdominal Examination
3. Breast Examination
4. Weight and Height
5. Blood Pressure
6. Hematocrit/Hemoglobin
7. Urinalysis
8. Pap Smear
9. Gonorrhea Culture
10. Serology
11. Pregnancy Testing
12. Cancer and Rubella Screening

B. Other Services

1. Education in family planning methods
2. Social Service Referral
3. Sterilization Counseling

FAMILY PLANNING PROGRAM ANALYSIS

Guam has a lower percentage in births by teenagers than the rest of the United States (13.8 percent, 16 percent respectively). The Guamanians have the highest teenage birth rate among the ethnic groups in the island. All ethnic groups except caucasians have high birth rate occurring among women 40 years and over, with the Filipinos having nearly four times and Micronesians three times more than Guamanians. However, a decline occurred over the past two years in births to older females.

As expected, the incidence of fourth and greater birth order is much higher on Guam than in the U.S. In fact, nearly one-fifth of all births are at least the fourth birth order and 5.2 percent represents at least the 6th birth order in a family. The high-risk pregnancy as a percentage of live births has shown no significant improvement over the past six years since 1977.

Tables I and II show that a high percentage (69.5%) of teenage FPS patients have already had at least one pregnancy. Oral contraceptives remain the predominant method of choice among birth control users below the age of 35. The new methods introduced within the past three years (diaphragm, and natural family planning) have not met with patient acceptance. The pill is still being used by 25 percent of all patients age 35 and above; approximately one third of patients in this age group have five or more pregnancies. All in all, the three most popular birth control methods among users are oral contraceptives 71.3 percent, condom 9.4 percent, and IUD 8.4 percent.

All of these services mentioned pertaining to Guam's Family Planning Programs are of Public Service and are made available free of charge without any basis of discrimination.

TABLE I
PLANNING PATIENT PROFILE
CY 1983

	19 AND UNDER	20-24 YEARS	36 AND ABOVE	TOTAL
Unduplicate Patient Count	262	624	77	993
Method Users	228	567	68	883
Number of Women with no History of Pregnancy	80 (30.5%)	55 (8.8%)	5 (6.5%)	140 (14.1%)
Number of Women with History of Five or More Pregnancies	0	60 (9.6%)	25 (32.5%)	85 (8.6%)
Number of Women with History of One or More Induced Abortions	4 (1.5%)	54 (8.7%)	3 (3.9%)	61 (6.1%)

TABLE II

METHOD USE AMONG FAMILY PLANNING PATIENTS
BY AGE GROUPS CY 1983

	19 AND UNDER	20-24 YEARS	36 AND ABOVE	TOTAL
Oral Contraceptives	149 (65.3%)	464 (81.85)	17 (25.%)	630 (71.3%)
Condom	26 (11.4%)	34 (6.0%)	8 (11.8%)	83 (9.4%)
IUD	12 (5.3%)	35 (6.2%)	27 (39.7%)	74 (8.4%)
Diaphragm	5 (2.2%)	5 (0.9%)	2 (2.9%)	12 (1.4%)
Foam/Jelly/Cream	13 (2.2%)	14 (3.9%)	2 (2.9%)	33 (3.3%)
Sterilization	5 (2.2%)	22 (3.9%)	6 (8.8%)	33 (3.7%)
Counseling	5 (2.2%)	5 (0.9%)	2 (2.9%)	12 (1.4%)
Natural FP	5 (2.2%)	5 (0.9%)	2 (2.9%)	12 (1.4%)
Other	13 (5.7%)	14 (2.5%)	4 (5.9%)	31 (3.5%)

DEMOGRAPHIC INDICATORS 1980

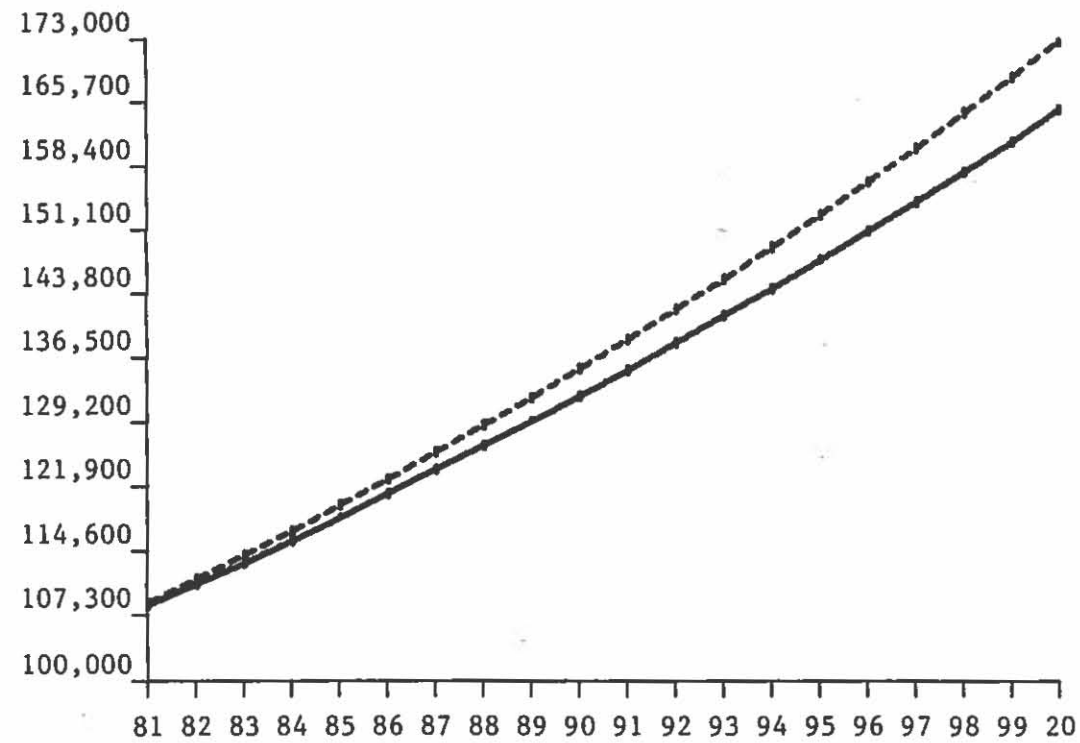
<u>Population 1980:</u>	105,979
<u>Crude Birth Rate:</u>	31 Live Births per 1,000 population
<u>Crude Death Rates:</u>	4 Deaths per 1,000 population
<u>Infant Mortality Rate:</u>	16 Infant Deaths per 1,000 Live Births
<u>General Fertility Rate:</u>	110.72 Births per 1,000 women ages 15-49
<u>Total Fertility Rate:</u>	3.20 Births per woman aged 15-49
<u>Age-Specific Fertility Rate:</u>	194 Births for every 1,000 women aged 20-24
<u>Completed Fertility Rate:</u>	6.5 average number of children actually born to a group of women during their childbearing years.
<u>Gross Reproduction Rate:</u>	1.56 is the average number of daughters that would be born to a woman during her lifetime if she passed through her child-bearing years conforming to the age specific fertility rates (of a given year) in 1980.
<u>Net Reproduction Rate:</u>	1.51 is the average number of daughters that would be born to a woman if she passed through her lifetime from birth conforming to the age-specific fertility and mortality rates (of a given year) in 1980. This rate takes into account the fact that some women will die before completing their child-bearing years.
<u>Mean Age of Fertility Schedule:</u>	27 years.
<u>Index of Aging:</u>	8 persons ages 65 and over to every 100 children aged 14 and below.
<u>Child Dependency Ratio:</u>	56 persons in the Child Dependency ages for every 100 persons in the working ages.
<u>Old Age Dependency Ratio:</u>	4 persons in the old ages for every 100 persons in the working ages.

DEMOGRAPHIC INDICATORS 1980
(continuation)

<u>Total Dependency Ratio:</u>	60 persons in both young and old ages for every 100 persons in the working ages.
<u>Sex Ratio:</u>	109 males per 100 females.
<u>Sex Ratio at Birth:</u>	106 males per 100 females.
<u>Child Woman Ratio:</u>	480 children under 5 years per 1,000 women of childbearing age.
<u>Population per Physician:</u>	731 persons
<u>Population per Hospital Bed:</u>	388 persons

FIGURE 1
POPULATION ESTIMATES
GUAM U.S.A.

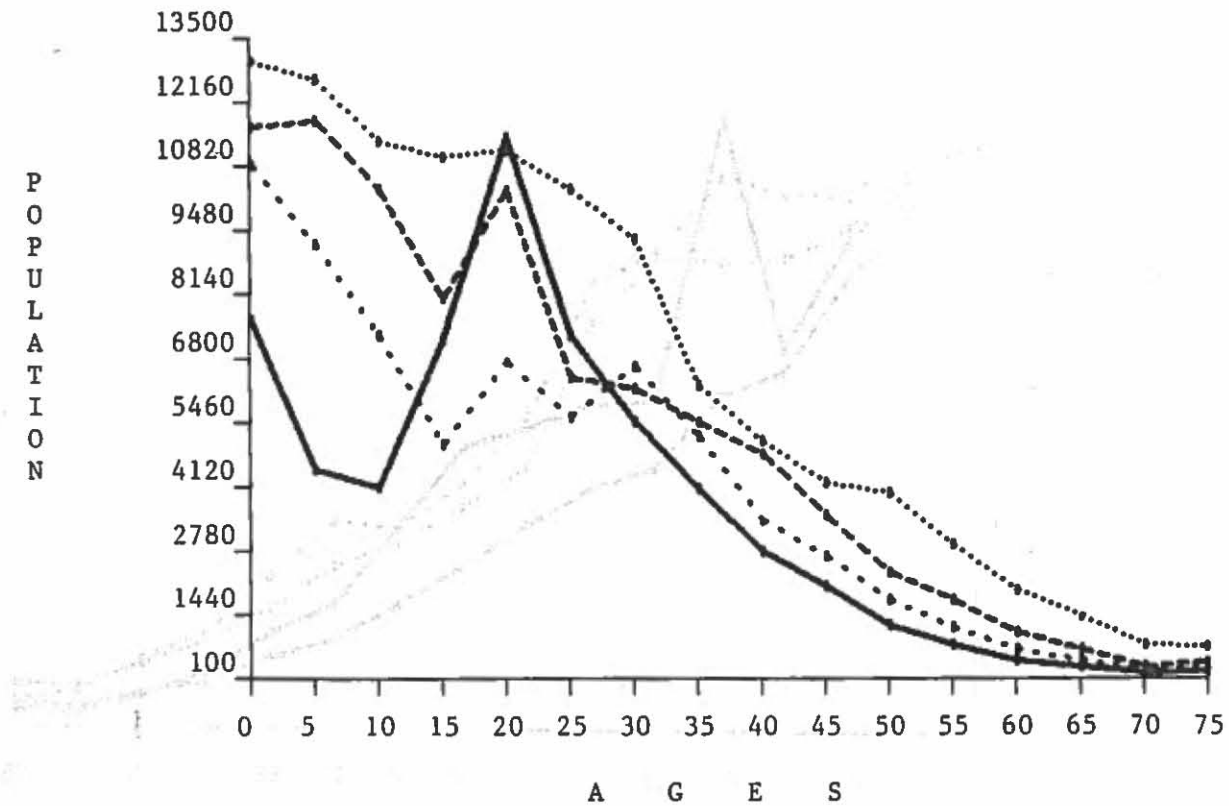
LEGEND: EXPONENTIAL PROGRESSION —
GEOMETRIC PROGRESSION ...
ARITHMETIC PROGRESSION ---



SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE, GOVERNMENT OF GUAM.

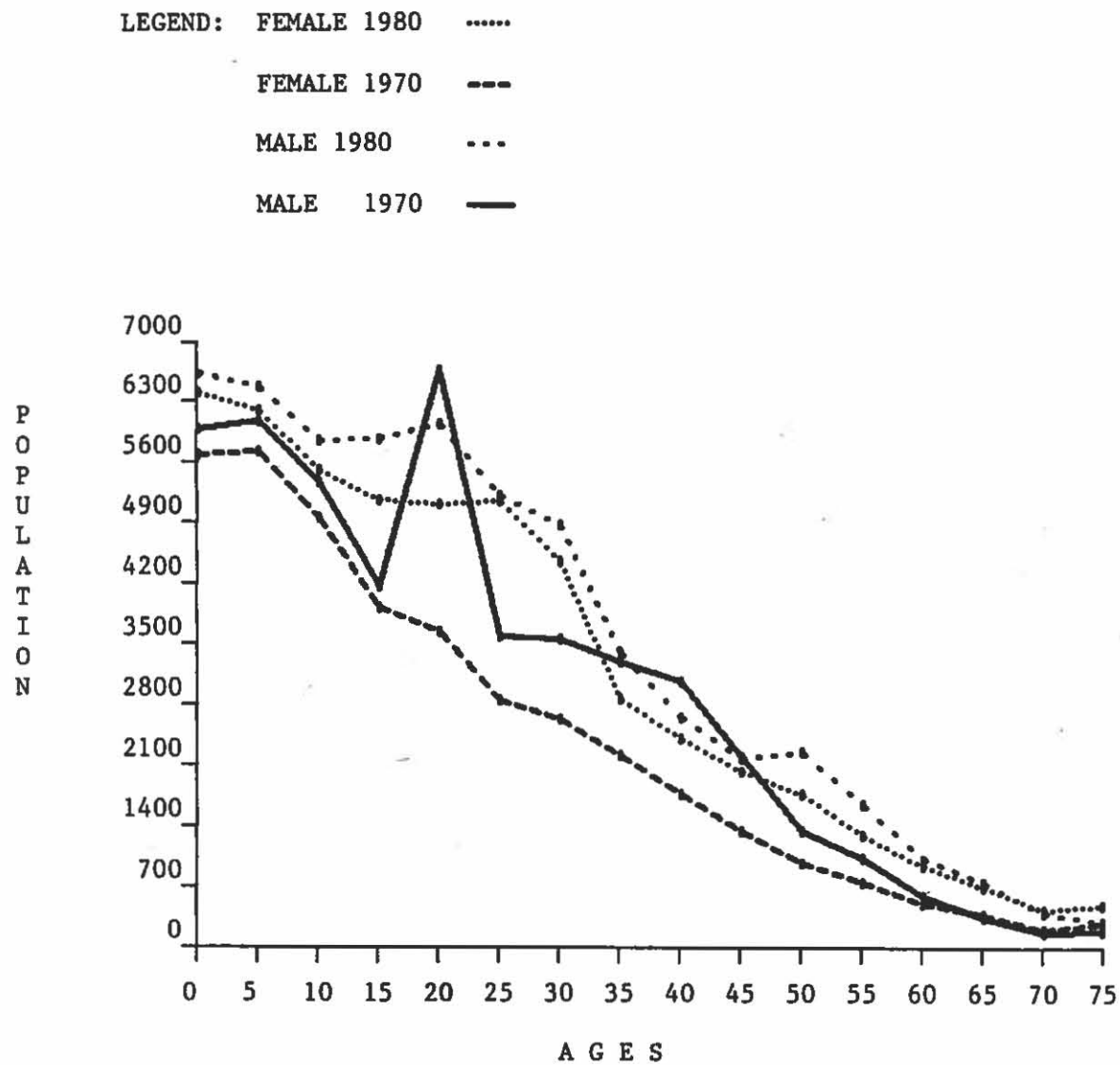
FIGURE 2
TOTAL POPULATION BY AGE
GUAM 1950 - 1980

LEGEND: 1950 —
1960 ...
1970 ---
1980



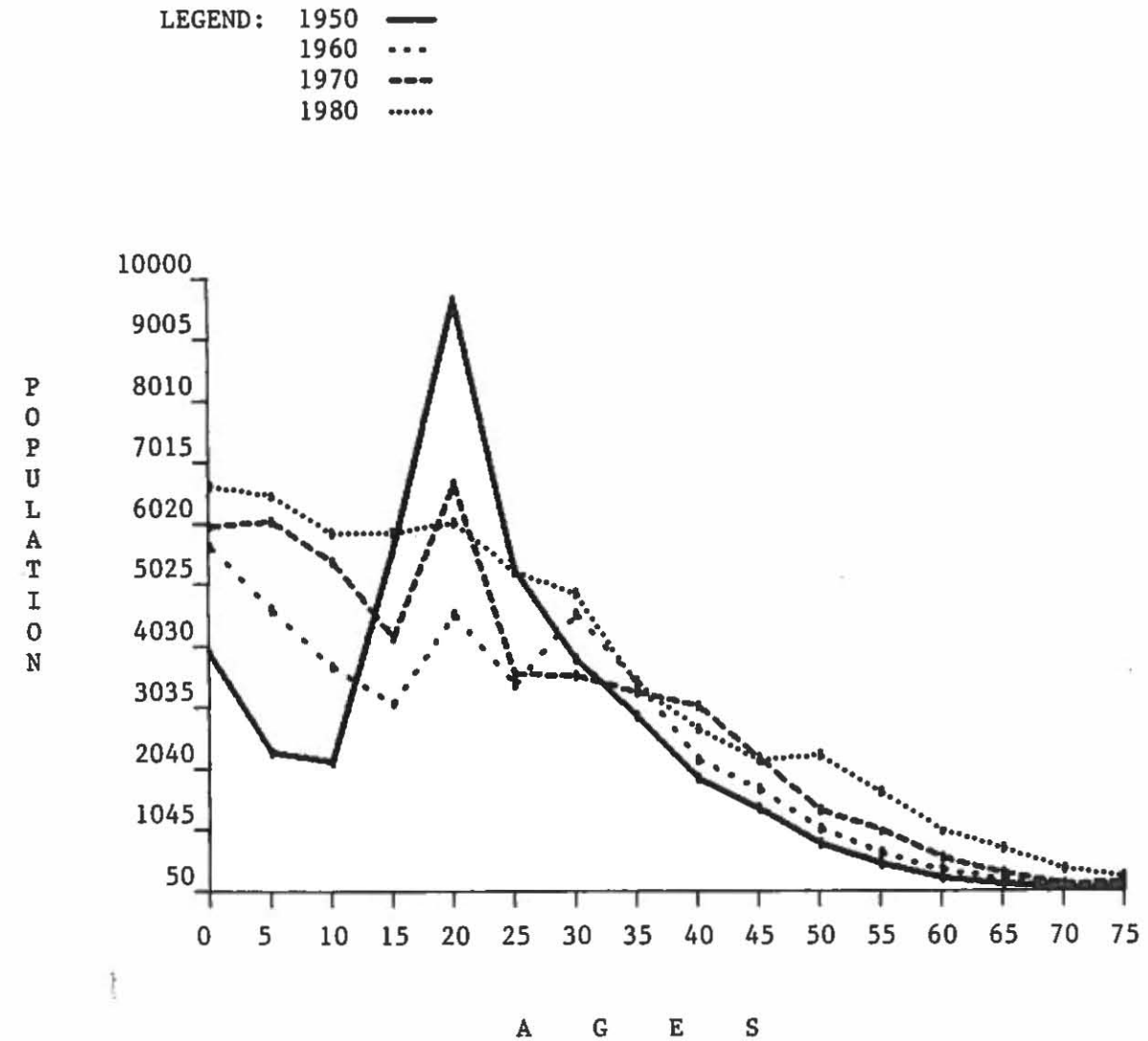
SOURCES: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM

FIGURE 3
AGE DISTRIBUTION
GUAM 1970 - 1980



SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM.

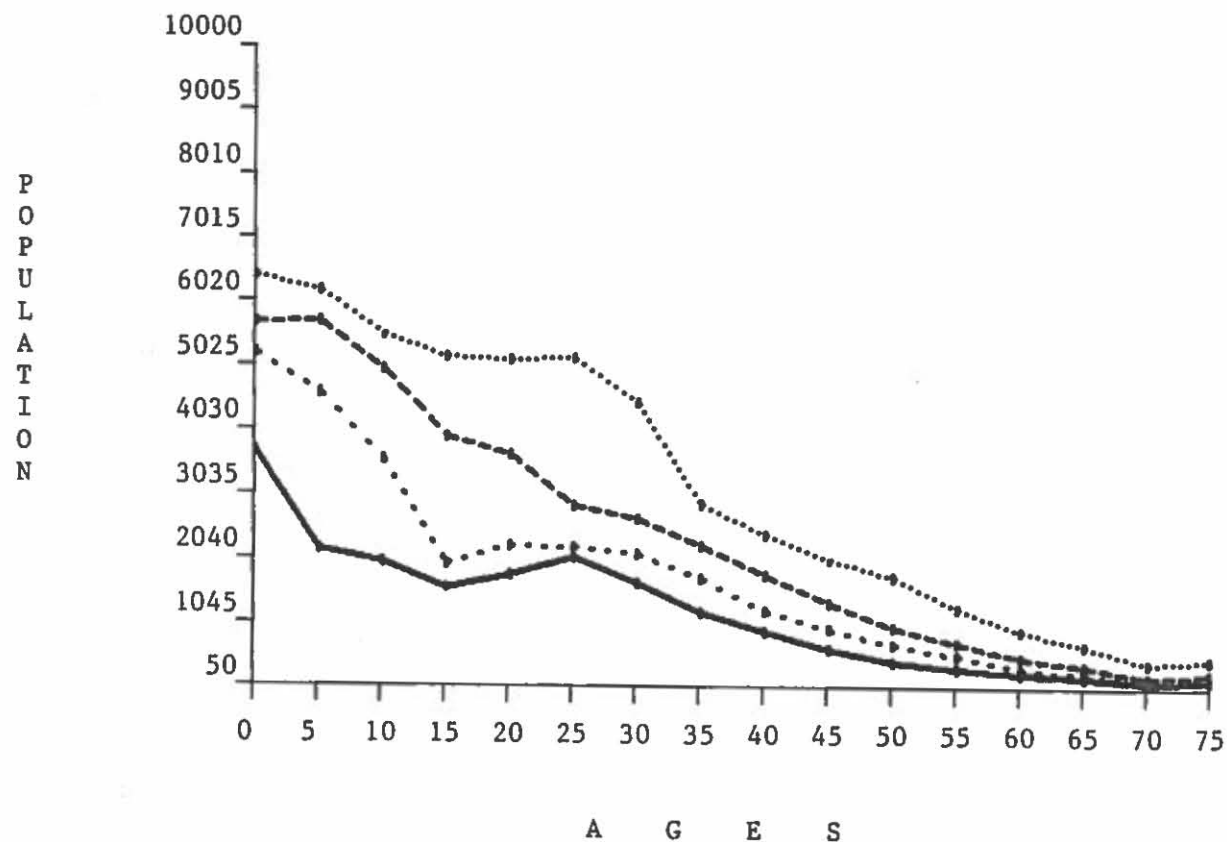
FIGURE 4
MALES - AGE DISTRIBUTION
GUAM 1950 - 1980



SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM

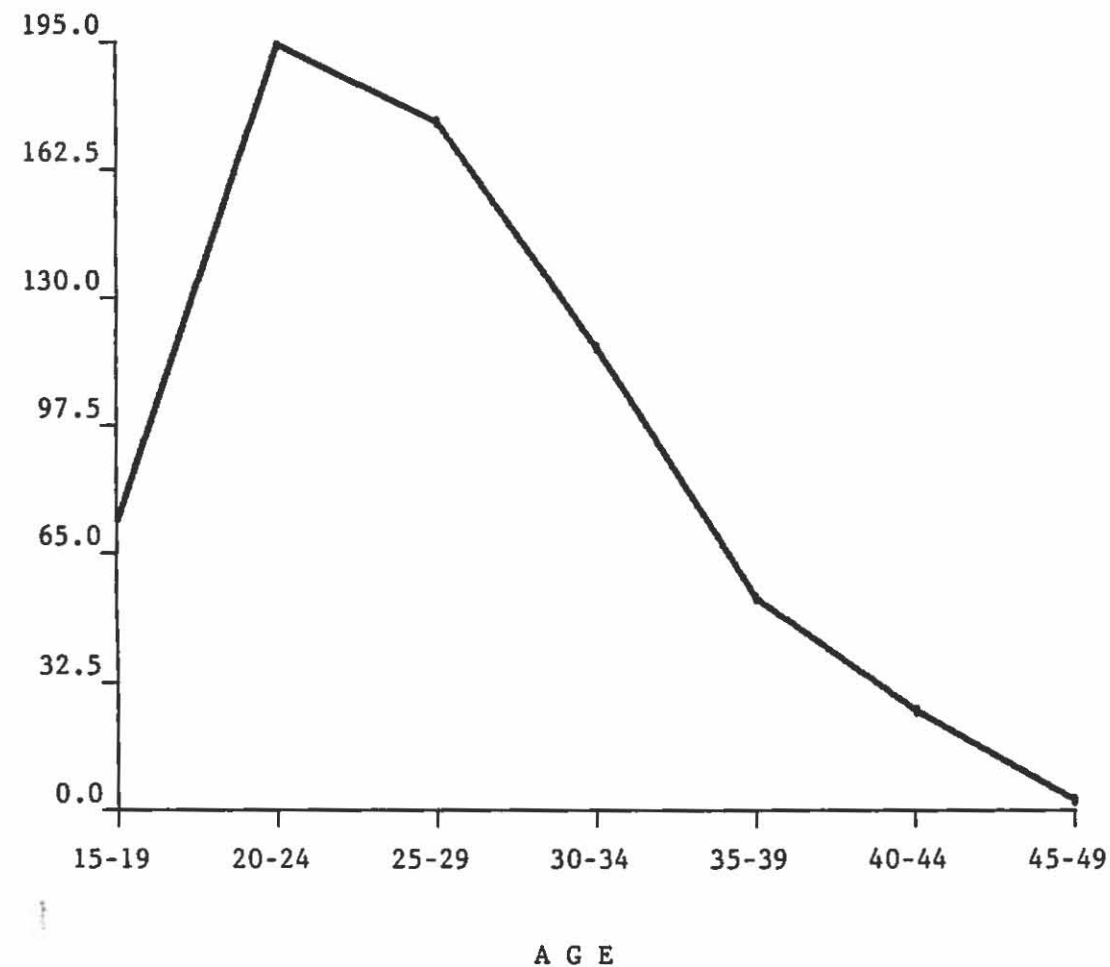
FIGURE 5
FEMALES - AGE DISTRIBUTION
GUAM 1950 - 1980

LEGEND: 1950 —
1960 ...
1970 ---
1980



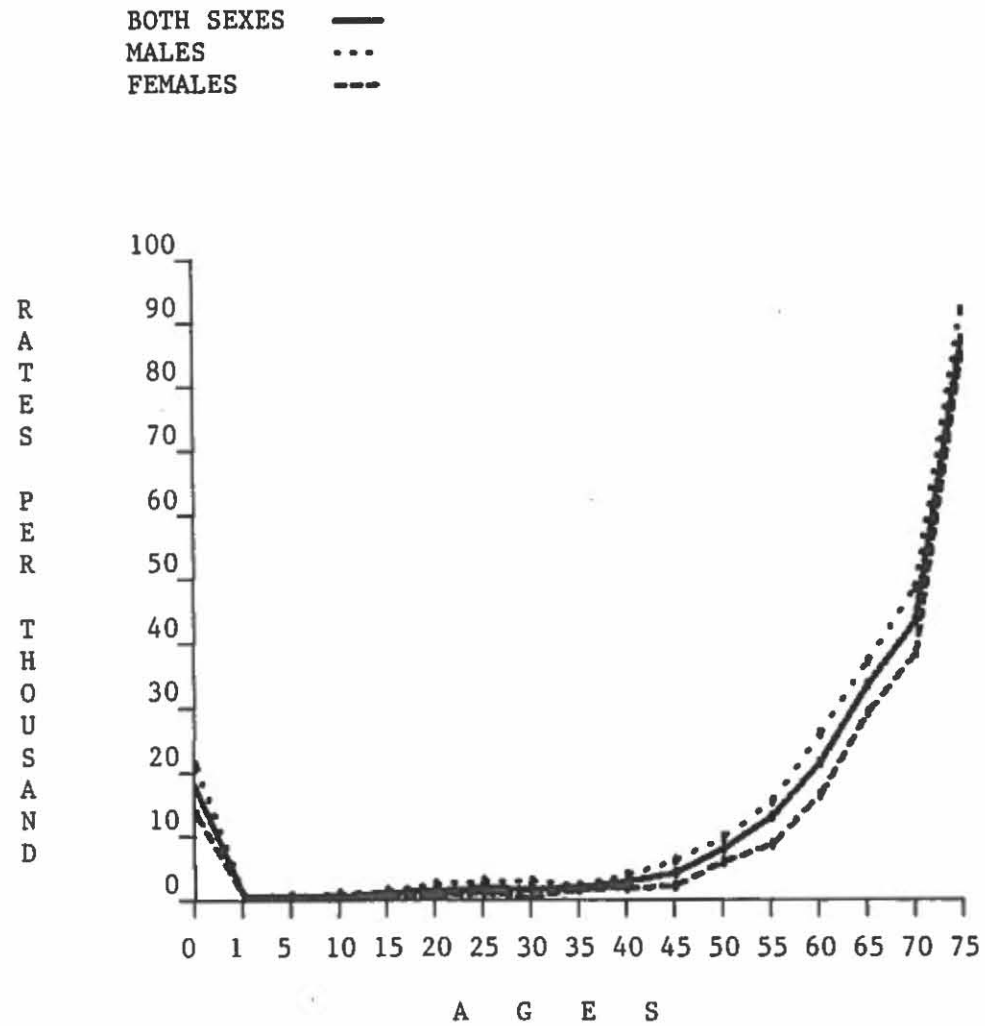
SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM.

FIGURE 6
AGE SPECIFIC FERTILITY RATE
1980



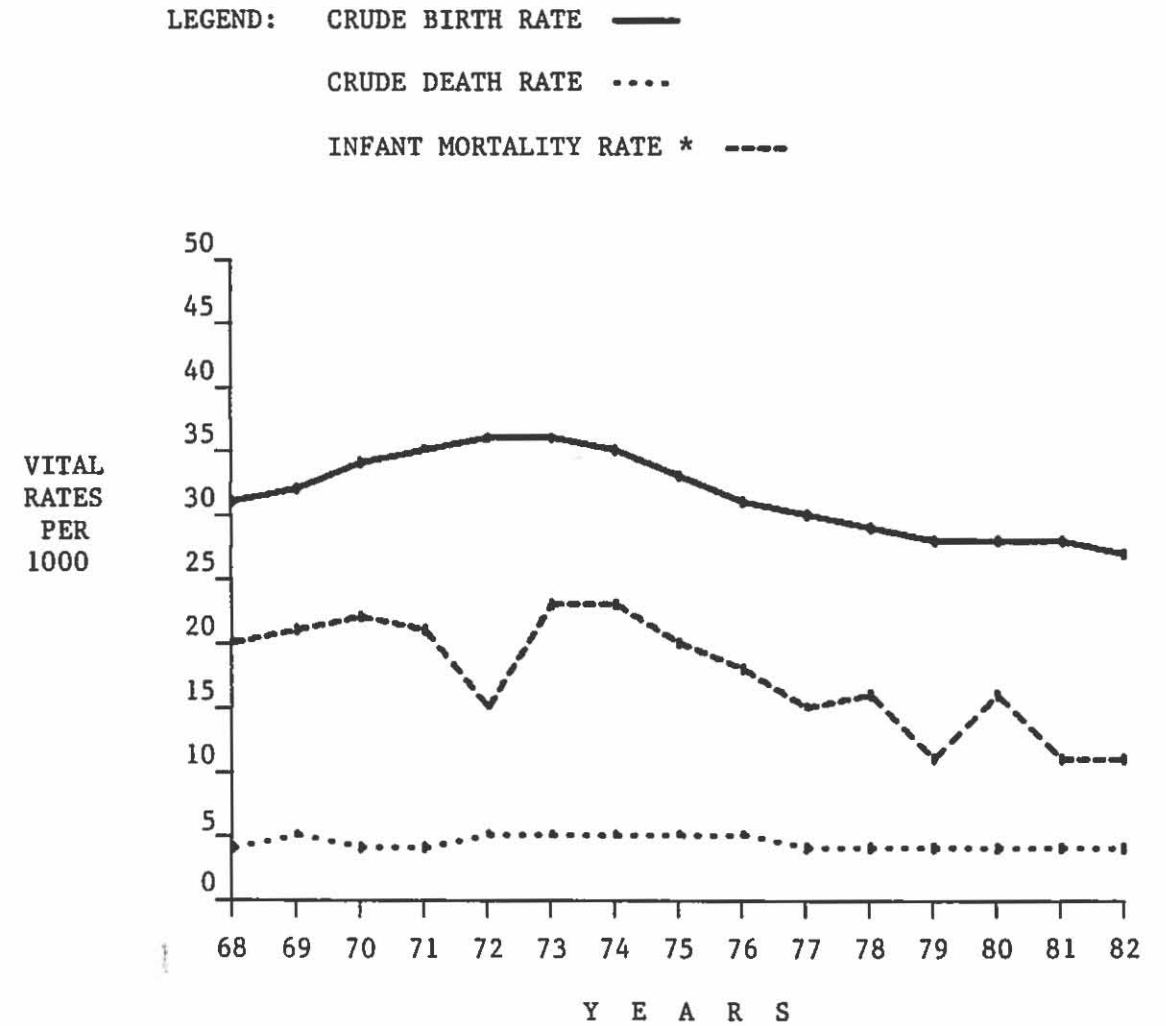
SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM.

FIGURE 7
AGE SPECIFIC DEATH RATES BY SEX
GUAM 1980



SOURCES: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM

FIGURE 8
VITAL RATES, GUAM USA
1968 - 1982

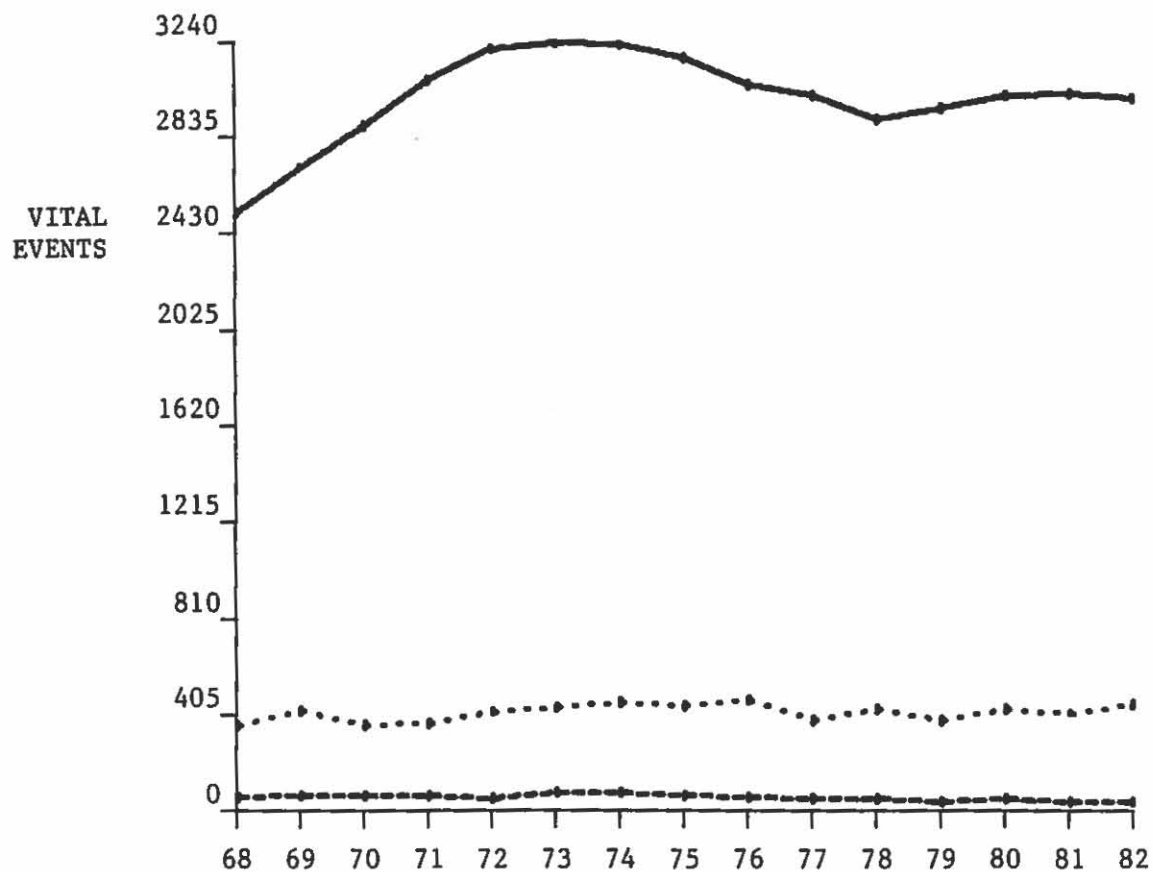


* INFANT DEATHS PER 1000 LIVE BIRTHS.

SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM.

FIGURE 9
VITAL EVENTS, GUAM, USA
1968 - 1984

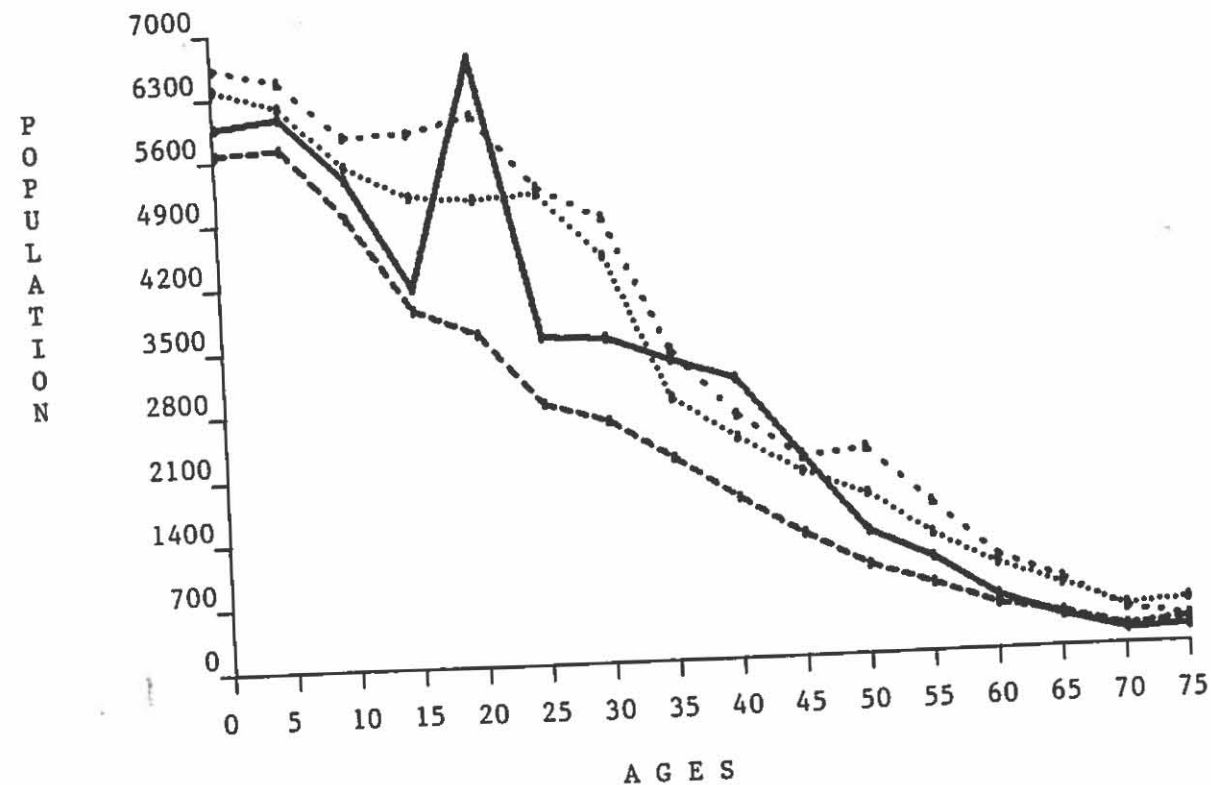
LEGEND: BIRTHS —
DEATHS ...
INFANTS DEATHS ---



SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM.

FIGURE 10
AGE DISTRIBUTION
GUAM 1970 - 1980

LEGEND: FEMALE 1980
FEMALE 1970 ---
MALE 1980 ...
MALE 1970 —



SOURCE: CENSUS AND POPULATION, DEPARTMENT OF COMMERCE,
GOVERNMENT OF GUAM.

TABLE 1

LIFE TABLE FOR BOTH SEXES IN GUAM, U.S.A.
1980-1982

AGE	Probability of dying between age x and age x + 1	Survivors at exact age x	Years lived between age x and age + 1	Total years lived after exact age x	Expectation of life Average number of years lived after
X	q n x	l x	L n x	T n x	e x
0	.01277	100,000	99,106	7,181,646	71.82
1	.00236	98,723	394,428	7,082,540	71.74
5	.00171	98,490	492,030	6,688,112	67.91
10	.00118	98,321	491,315	6,196,082	63.02
15	.00409	98,205	490,025	5,704,767	58.09
20	.00539	97,804	487,705	5,214,742	53.32
25	.00724	97,277	484,625	4,727,037	48.59
30	.00679	96,573	481,225	4,242,412	43.93
35	.00771	95,917	477,740	3,761,187	39.21
40	.01377	95,178	472,615	3,283,447	34.50
45	.02320	93,867	463,890	2,810,832	29.94
50	.03454	91,689	450,530	2,346,942	25.60
55	.07009	88,522	427,100	1,896,412	21.42
60	.10023	82,317	390,960	1,469,312	17.85
65	.15102	74,067	342,370	1,078,352	14.56
70	.23137	62,881	278,035	735,982	11.70
75	1.00000	48,232	457,947	457,947	9.47

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 2

LIFE TABLE FOR FEMALES IN GUAM, U.S.A.
1980-1982

AGE	Probability of dying between age x and age x + 1	Survivors at exact age x	Years lived between age x and age + 1	Total years lived after exact age x	Expectation of life Average number of years lived after
X	q n x	l x	L n x	T n x	e x
0	.01211	100,000	99,152	7,444,967	74.45
1	.00242	98,789	394,680	7,345,815	74.36
5	.00189	98,550	492,285	6,951,135	70.53
10	.00030	98,364	491,745	6,458,850	65.66
15	.00259	98,334	491,035	5,967,105	60.68
20	.00131	98,079	490,075	5,476,070	55.83
25	.00389	97,951	488,805	4,985,995	50.90
30	.00263	97,570	487,210	4,497,190	46.09
35	.00581	97,313	485,155	4,009,980	41.21
40	.00968	96,748	481,400	3,524,825	36.43
45	.01068	95,811	476,500	3,043,425	31.76
50	.02266	94,788	468,570	2,566,925	27.08
55	.05570	92,640	450,300	2,098,355	22.65
60	.08342	87,480	419,160	1,648,055	18.84
65	.12896	80,183	375,065	1,228,895	15.33
70	.21413	69,842	311,825	853,830	12.23
75	1.00000	54,887	542,005	542,005	9.88

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 3

LIFE TABLE FOR MALES IN GUAM, U.S.A.
1980-1982

AGE	Probability of dying between age x and age x + 1	Survivors at exact age x	Years lived between age x and age + 1	Total years lived after exact age x	Expectation of life Average number of years lived after
X	q n x	l x	L n x	T n x	o e x
0	.01340	100,000	99,062	6,955,812	69.56
1	.00231	98,660	394,188	6,856,750	69.50
5	.00155	98,433	491,785	6,462,562	65.65
10	.00200	98,280	490,910	5,970,777	60.75
15	.00540	98,084	489,095	5,479,867	55.87
20	.00882	97,554	485,620	4,990,772	51.16
25	.01053	96,694	480,925	4,505,152	46.59
30	.01059	95,675	475,845	4,024,227	42.06
35	.00931	94,662	471,110	3,548,382	37.48
40	.01746	93,781	464,815	3,077,272	32.81
45	.03470	92,144	452,725	2,612,457	28.35
50	.04371	88,946	435,015	2,159,732	24.28
55	.08122	85,059	408,025	1,724,717	20.28
60	.11530	78,150	368,225	1,316,692	16.85
65	.17141	69,140	316,075	948,467	13.72
70	.24935	57,289	250,735	632,392	11.04
75	1.00000	43,004	381,657	381,657	8.87

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 4

MILITARY POPULATION

	JANUARY 1980	JANUARY 1981	JANUARY 1982	JANUARY 1983	JANUARY 1984
Active Duty Personnel					
Navy	6,217	6,022	5,823	6,374	6,310
Air Force	3,537	3,671	3,732	3,918	3,967
Army	18	16	59	30	26
Marines	369	353	380	392	468
Coast Guard	126	151	149	121	128
TOTAL	10,267	10,213	10,143	10,835	10,899
Dependents					
Navy	5,119	6,289	5,671	5,874	5,886
Air Force	4,612	4,919	2,300	2,389	5,594
Army	53	51	158	66	58
Marines	95	83	136	106	170
Coast Guard	120	162	131	119	119
TOTAL	9,999	11,504	8,265	8,435	11,708
GRAND TOTAL	20,266	21,717	18,408	19,270	22,607

Source: Commander, Naval Forces Marianas

TABLE 5

POPULATION PROJECTIONS BY ELECTION DISTRICTS
BASED ON DISTRICTS RATE OF GROWTH

P O P U L A T I O N P R O J E C T I O N S

ELECTION DISTRICTS	1970	1980	Exponential Annual/Growth Rate	1981	1982	1983
GUAM	84,996	105,979		109,194	112,669	116,420
AGANA	2,119	896	-.09608	822	754	692
AGANA HEIGHTS	3,156	3,284	.00398	3,297	3,310	3,323
AGAT	4,308	3,999	-.00744	3,969	3,940	3,911
ASAN	2,629	2,034	-.02566	1,982	1,932	1,883
BARRIGADA	6,356	7,756	.01991	7,912	8,071	8,233
CHALAN PAGO/ORDOT	2,931	3,120	.00625	3,140	3,159	3,179
DEDEDO	10,790	23,644	.07854	25,576	27,666	29,926
INARAJAN	1,897	2,059	.00819	2,076	2,093	2,110
MANGILAO	3,228	6,840	.07509	7,373	7,948	8,568
MERIZO	1,529	1,663	.008	1,677	1,691	1,705
MONGMONG/TOTO/MAITE	6,057	5,245	-.01439	5,170	5,096	5,023
PITI	1,284	2,866	.08029	3,106	3,365	3,647
SANTA RITA	8,109	9,183	.01244	9,298	9,414	9,532
SINAJANA	3,506	2,485	-.03442	2,400	2,320	2,241
TALOFOFO	1,935	2,006	.003	2,013	2,021	2,028
TAMUNING	10,218	13,580	.02844	13,972	14,375	14,790
UMATAC	813	732	-.01050	724	717	709
YIGO	11,542	10,350	-.01081	10,248	10,137	10,028
YONA	2,599	4,228	.04866	4,439	4,660	4,892

Assumptions for the above projections:

1. Closed Population (no immigrants or emigrants)
2. The trends for decreasing districts continued through the projected period as constant.
3. The trends for increasing districts also remained constant through the projected period.
4. The total population of Guam does not assume an overall rate but that of the districts total.

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 5 (continued)

POPULATION PROJECTIONS BY ELECTION DISTRICTS
BASED ON DISTRICTS RATE OF GROWTH

P O P U L A T I O N P R O J E C T I O N S

ELECTION DISTRICTS	1984	1985	1986	1987	1988
GUAM	120,470	124,837	129,546	134,624	140,081
AGANA	635	582	534	490	450
AGANA HEIGHTS	3,336	3,350	3,363	3,377	3,390
AGAT	3,882	3,852	3,824	3,796	3,768
ASAN	1,836	1,789	1,744	1,700	1,656
BARRIGADA	8,399	8,568	8,740	8,916	9,095
CHALAN PAGO/ORDOT	3,199	3,219	3,239	3,260	3,270
DEDEDO	32,371	35,016	37,878	40,972	44,320
INARAJAN	2,128	2,145	2,163	2,181	2,199
MANGILAO	9,236	9,957	10,733	11,570	12,472
MERIZO	1,720	1,734	1,749	1,764	1,779
MONGMONG/TOTO/MAITE	4,952	4,881	4,811	4,742	4,674
PITI	3,951	4,282	4,640	5,028	5,448
SANTA RITA	9,651	9,772	9,894	10,018	10,144
SINAJANA	2,165	2,092	2,021	1,953	1,887
TALOFOFO	2,035	2,042	2,050	2,057	2,065
TAMUNING	15,216	15,655	16,107	16,572	17,050
UMATAC	702	694	687	680	673
YIGO	9,920	9,814	9,708	9,604	9,501
YONA	5,136	5,393	5,661	5,944	6,240

Assumptions for the above projections:

1. Closed Population (no immigrants or emigrants)
2. The trends for decreasing districts continued through the projected period as constant.
3. The trends for increasing districts also remained constant through the projected period.
4. The total population of Guam does not assume an overall rate but that of the districts total.

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 6

PERCENTAGE DISTRIBUTION BY AGE GROUPS
AND ELECTION DISTRICTS, 1980

ELECTION DISTRICTS	A G E G R O U P S							
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
AGANA	7.8	9.5	7.6	10.2	9.6	9.5	8.7	6.2
AGANA HEIGHTS	10.5	11.0	10.2	11.0	10.2	9.7	7.9	4.9
AGAT	11.9	12.5	13.8	11.6	7.7	7.0	6.9	4.5
ASAN	10.5	10.7	10.5	10.4	12.2	8.7	6.4	5.3
BARRIGADA	12.8	11.1	9.4	10.2	13.9	11.4	8.4	4.6
CHALAN PAGO/ORDOT	12.9	13.4	13.5	11.7	7.7	7.8	6.6	5.4
DEDEDO	12.7	13.7	11.9	10.3	8.0	8.0	8.7	6.1
INARAJAN	13.6	14.7	13.2	13.0	9.3	6.3	6.3	4.5
MANGILAO	12.6	12.0	10.9	9.6	11.5	11.2	9.0	5.6
MERIZO	10.0	14.9	15.0	12.9	6.9	5.8	6.6	4.8
MONGMONG/TOTO/MAITE	11.4	10.8	12.0	12.7	8.8	8.8	8.2	5.5
PITI	5.5	5.5	6.4	13.1	23.9	13.2	9.7	7.8
SANTA RITA	15.6	11.7	8.2	8.2	12.9	13.0	11.2	6.4
SINAJANA	11.2	12.9	12.4	12.6	8.1	7.4	7.2	4.9
TALOFOFO	12.7	14.8	13.6	12.8	6.7	9.0	7.1	5.4
TAMUNING	10.8	8.8	8.5	9.0	9.9	10.3	9.6	7.0
UMATAC	13.0	15.3	15.0	13.1	8.7	6.6	6.6	3.7
YIGO	13.1	11.8	9.4	9.7	13.8	12.3	9.8	6.5
YONA	13.7	15.0	13.1	10.7	7.7	8.1	9.2	5.3
TOTAL	12.3	11.9	10.7	10.4	10.5	9.7	8.8	5.9

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 6 (continued)

PERCENTAGE DISTRIBUTION BY AGE GROUPS
AND ELECTION DISTRICTS, 1980

ELECTION DISTRICTS	A G E G R O U P S								TOTAL
	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	
AGANA	5.2	5.4	6.1	4.6	3.5	3.2	1.5	1.4	100.0
AGANA HEIGHTS	4.4	4.4	4.4	3.4	3.0	2.1	1.5	1.4	100.0
AGAT	4.2	3.8	5.1	3.8	2.6	2.1	1.4	1.1	100.0
ASAN	4.3	4.9	5.6	3.4	2.6	2.3	1.0	1.2	100.0
BARRIGADA	4.3	3.5	3.4	2.2	1.9	1.5	.7	.7	100.0
CHALAN PAGO/ORDOT	5.2	4.1	4.1	2.2	1.7	1.4	1.4	.9	100.0
DEDEDO	5.0	4.1	4.1	3.2	1.8	1.3	.6	.5	100.0
INARAJAN	4.4	2.9	3.4	1.7	2.0	2.1	1.3	1.3	100.0
MANGILAO	4.4	4.2	2.8	2.6	1.5	.9	.6	.6	100.0
MERIZO	4.8	5.0	3.6	3.5	2.5	1.3	1.0	1.4	100.0
MONGMONG/TOTO/MAITE	5.5	4.2	3.9	3.1	2.3	1.4	.7	.7	100.0
PITI	54.0	2.8	2.5	2.0	1.5	.9	.5	.7	100.0
SANTA RITA	3.9	2.5	2.2	1.7	1.0	.6	.5	.4	100.0
SINAJANA	4.2	4.2	4.6	3.3	2.2	2.5	1.3	1.0	100.0
TALOFOFO	4.4	3.3	3.1	1.9	2.1	1.3	.7	1.1	100.0
TAMUNING	6.3	5.5	5.0	3.6	2.2	1.7	.9	.9	100.0
UMATAC	4.1	4.2	3.8	2.7	1.5	.7	.4	.6	100.0
YIGO	4.2	2.8	2.5	1.7	.9	.7	.4	.4	100.0
YONA	4.1	4.0	3.7	2.1	1.8	1.3	.6	.6	100.0
TOTAL	4.8	3.9	3.8	2.7	1.9	1.3	.9	.7	100.0

Source: Census and Population Division, Department of Commerce,
Government of Guam

TABLE 7

POPULATION PROJECTIONS BY ELECTION DISTRICTS
(Based on percentage distribution and annual rate of increase)

	PERCENT DISTRIBUTION 1980	1981	1982	1983	1984	1985
GUAM						
Agana	100.00000	108,343	110,759	113,230	115,756	118,338
Agana Heights	.00845	915	936	957	978	1,000
Agat	.03099	3,358	3,432	3,509	3,587	3,667
Asan	.03773	4,088	4,179	4,272	4,367	4,465
Barrigada	.01919	2,079	2,125	2,173	2,221	2,271
Chalan Pago/Ordot	.07318	7,929	8,105	8,286	8,471	8,660
Dededo	.02944	3,190	3,261	3,333	3,408	3,484
Inarajan	.22310	24,171	24,710	25,262	25,825	26,401
Mangilao	.01943	2,105	2,152	2,200	2,249	2,299
Merizo	.06454	6,992	7,148	7,308	7,471	7,638
Mongmong/Toto/Maite	.01569	1,700	1,738	1,777	1,816	1,857
Piti	.04949	5,362	5,481	5,604	5,729	5,857
Santa Rita	.02704	2,930	2,995	3,062	3,130	3,200
Sinajana	.08665	9,388	9,597	9,811	10,030	10,254
Talofofo	.02345	2,541	2,597	2,655	2,714	2,775
Tamuning	.01893	2,051	2,097	2,143	2,191	2,240
Umatac	.12814	13,883	14,193	14,509	14,833	15,164
Yigo	.00691	749	765	782	800	818
Yona	.09775	10,591	10,827	11,068	11,315	11,568
	.03390	4,323	4,419	4,518	4,619	4,722

Note: These projections assumed no in or out migration and that the rate of growth for the island remained constant.

Prepared by J.T. Flores, CPS
August 27, 1984
Department of Commerce, Government of Guam

TABLE 7 (continuation)

POPULATION PROJECTIONS BY ELECTION DISTRICTS
(Based on percentage distribution and annual rate of increase)

	1986	1987	1988	1989	1990
GUAM					
	120,977	123,675	126,434	129,254	132,137
Agana	1,022	1,045	1,068	1,092	1,117
Agana Heights	3,749	3,833	3,918	4,006	4,095
Agat	4,564	4,666	4,770	4,877	4,986
Asan	2,322	2,373	2,426	2,480	2,536
Barrigada	8,853	9,051	9,252	9,459	9,670
Chalan Pago/Ordot	3,562	3,641	3,722	3,805	3,980
Dededo	26,990	27,592	28,207	28,837	29,480
Inarajan	2,351	2,403	2,457	2,511	2,567
Mangilao	7,808	7,982	8,160	8,342	8,528
Merizo	1,898	1,940	1,984	2,028	2,073
Mongmong/Toto/Maite	5,987	6,121	6,257	6,397	6,539
Piti	3,271	3,344	3,419	3,495	3,573
Santa Rita	10,483	10,716	10,956	11,200	11,450
Sinajana	2,837	2,900	2,965	3,031	3,099
Talofofo	2,290	2,341	2,393	2,447	2,501
Tamuning	15,502	15,848	16,201	16,563	16,932
Umatac	836	855	874	893	913
Yigo	11,826	12,089	12,359	12,635	12,916
Yona	4,827	4,935	5,045	5,157	5,272

Note: These projections assumed no in or out migration and that the rate of growth for the island remained constant.

Prepared by J.T. Flores, CPS
August 27, 1984
Department of Commerce, Government of Guam

TABLE 8

POPULATION ESTIMATES
GUAM U.S.A.

rt Pt= Po ^e	r = .022063	t Pt=Po (1+r) r = .02231	Pt=Po (1+r) r = .02459
1970	84,996*	84,996*	84,966*
1971	86,892	86,892	87,094
1972	88,830	88,831	89,245
1973	90,811	90,813	91,448
1974	92,837	92,839	93,705
1975	94,908	94,910	96,020
1976	97,024	97,027	98,391
1977	99,189	99,912	100,820
1978	101,440 ← 101,410	101,405	103,309
1979	103,663	103,667	105,860
1980	105,979*	105,979*	105,979*
1981	108,343	108,343	108,596
1982	110,759	110,760	111,277
1983	113,230	113,232	114,024
1984	115,756	115,758	116,840
1985	118,338	118,340	119,724
1986	120,977	120,980	122,680
1987	123,675	123,680	125,709
1988	126,434	126,439	128,813
1989	129,254	129,260	131,993
1990	132,137	132,144	135,252
1991	135,084	135,092	138,592
1992	138,098	138,106	142,014
1993	141,178	141,187	145,520
1994	144,327	144,336	149,113
1995	147,546	147,557	152,794
1996	150,837	150,849	156,567
1997	154,202	154,214	160,432
1998	157,641	157,655	164,432
1999	161,157	161,172	168,452
2000	164,752	164,768	172,612

Calculated on June 28, 1984

J.T. Flores, CPS
Department of Commerce

*Actual Enumeration