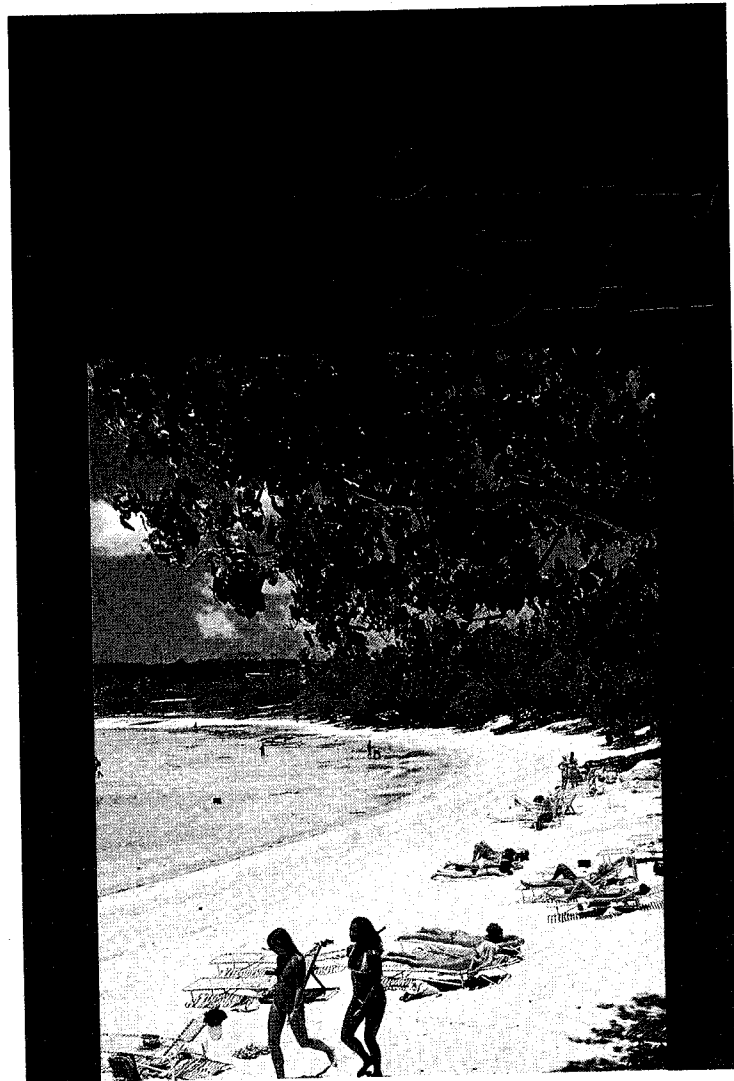


1984

STATISTICAL REPORT

1984



OFFICE OF VITAL STATISTICS
DEPARTMENT OF PUBLIC HEALTH

and

SOCIAL SERVICES
GOVERNMENT OF GUAM
AGANA, GUAM



ANNUAL STATISTICAL REPORT 1984



Department of Public Health and Social Services

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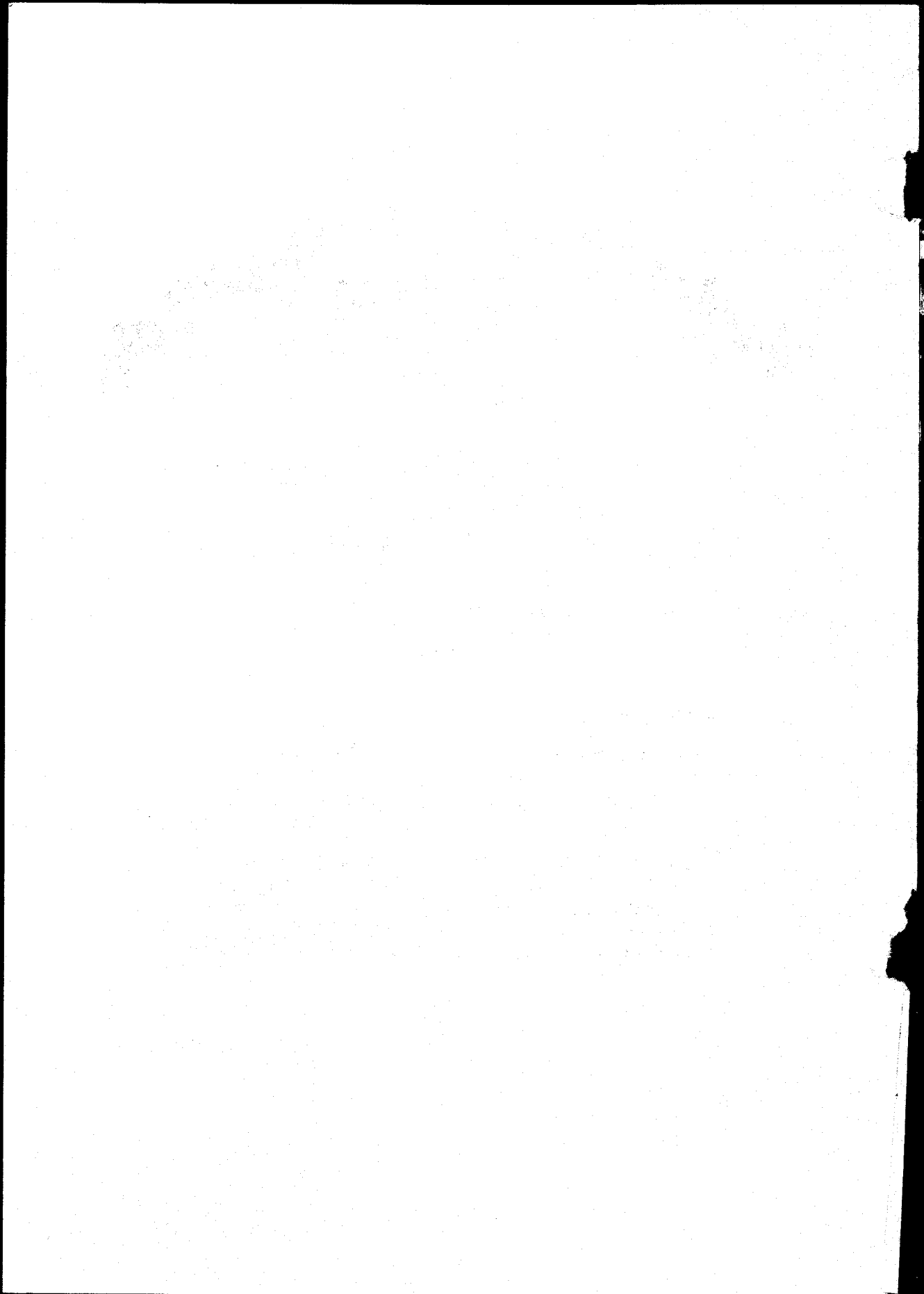


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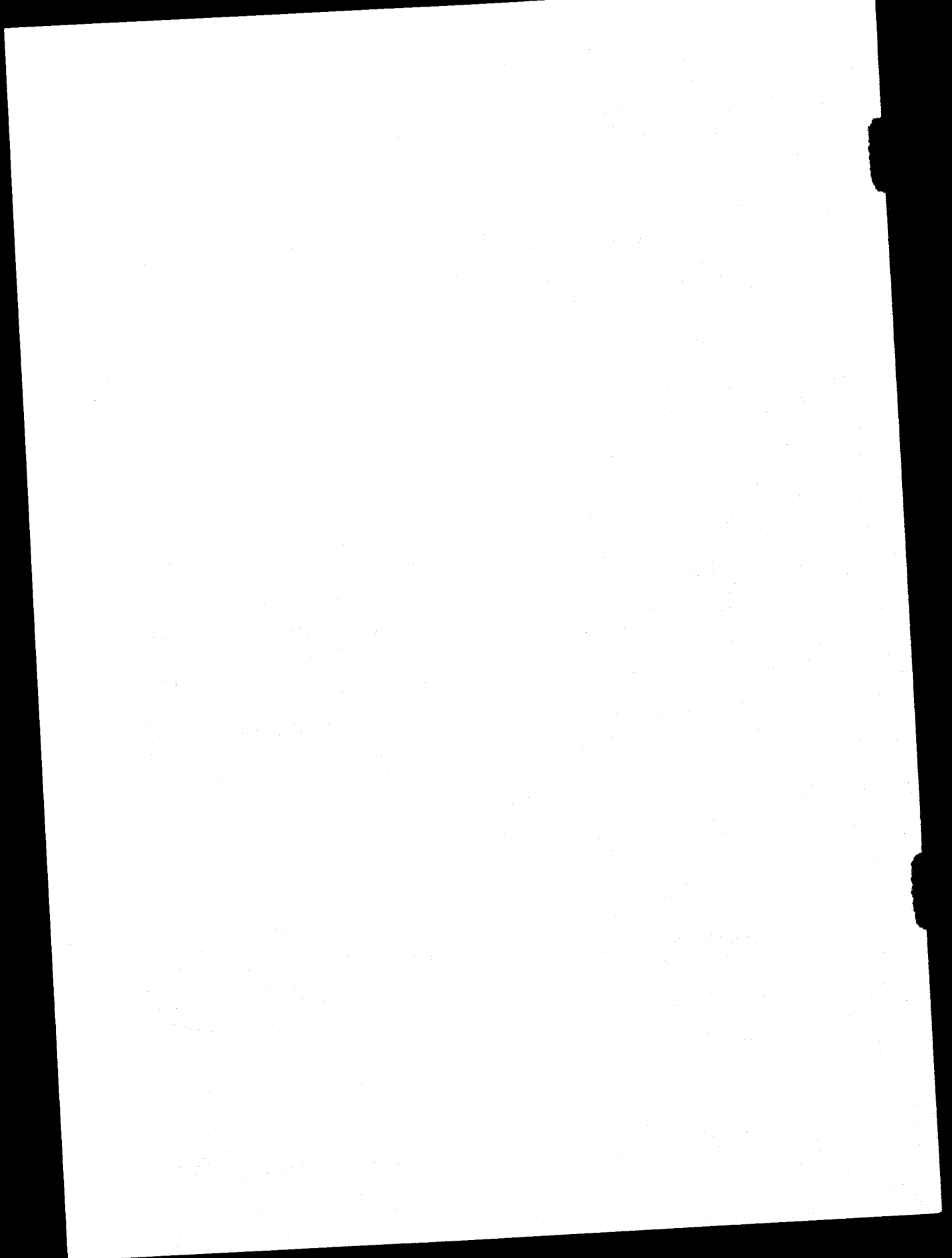
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FOREWORD

This volume is the fifteenth (15th) edition of the Annual Statistical Report, prepared in a booklet printed form. The report, required under Section 9307 of Public Law 10-44, tabulates data on Guam births, infant and fetal deaths, deaths, marriages and divorces. It contains data compiled from certificates registered with the Office of Vital Statistics (these certificates can be found at the back). The time period is based on calendar year 1984.

Records received in this office from the hospitals are carefully examined for inconsistencies and are queried when needed. Annually, when registration is considered as complete as possible, statistics are compiled for the report and other studies as needed.

It is hoped that this report will be useful to health data users. It provides its users with an overview of the health status of Guam population. Questions and comments concerning data presented in this report should be directed to the Department of Public Health and Social Services, Office of Vital Statistics, P.O. Box 2816, Agana, Guam 96910.

In analyzing any data, the possibility of errors should not be overlooked. There are several types of possible errors, including errors by the informant as well as errors in processing and compilation. However, the most potentially dangerous error would be that of improper interpretation.

NATALITY - The number of births for the year decreased with 3067 births. The decreased in live births over the previous year is 3.7%. The birth rate per 1,000 population was 25.6

There were 28 multiple births recorded for the year, 0.9% of all live births for 1984.

Low birth weight of less than 5 lbs. 9 oz. totaled 240 or 7.8% of the 3067 live births. The percentage for high birth weight was 92.2 or 2,827 infants.

Out of 3067 births, 864 were illegitimate. The 1984 illegitimate birth rate was 281.7 per 1,000 live births. As shown, a slight increase of 50 occurred as compared to 814 for 1983. Illegitimacy is occurring more often among young mothers.

MORTALITY - There were 450 deaths for the year - 12 deaths less from 1983. The rate was 3.8 per 1,000 populations.

Cause of death statistics are based on the Ninth Revision of the International Classification of Diseases, World Health Organization (ICD-9). The underlying cause is coded by the National Center for Health Statistics (NCHS) using the ICD-9 rules.

The ten leading causes of death did not change in rank for the first and second orders. Heart disease is still the leading cause and accounted for 25.1% of all deaths for Guam followed by cancer, with 13.3% of all deaths. Diabetes mellitus has jumped from the 8th place for the year 1983 to the third place for 1984 with twice the number.

The infant death rate rose slightly from 11.0 per 1,000 live births in 1983 to 11.4 per 1,000 live births in 1984.

The year ended with 20 neonatal deaths as compared to 24 for 1983. The death rate was 6.5 per 1,000 live births.

MARRIAGES - The downward trend in marriages occurred in 1984 with 1382 as compared to 1653 for 1983. The 1984 total was 16.4% below the 1653 recorded for 1983. The rate was 11.5 per 1,000 population.

June again is the preferred month for matrimonial activities. January is the second, while November is the lowest month for marriages.

DIVORCES - The trend for 1984 is the same with a total of 550, resulting with a rate of 4.6 per 1,000 population. Between the ages of 25-29 for both wives and husbands showed the highest number of divorces.

DEFINITIONS

Since this report utilizes various terms and technical connotations, it is necessary to define them to aid reader in the correct interpretation of the data. The following terms and notes are listed to achieve that objective.

BIRTH WEIGHT - Weight of fetus or infant at time of delivery.

LIVE BIRTH - The complete expulsion or extraction from its mother of product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes, or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of the voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

GESTATIONAL PERIOD - Number of weeks elapsed between the first day of the last menstrual period and date of delivery.

LIVE-BIRTH ORDER - Order number is equal to number of previous live births plus current birth.

LOW-WEIGHT - Birth wherein the weight is equivalent to 2,500 grams or less (5lbs., 8ozs.)

FETAL DEATHS - Death prior to the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

INFANT DEATH - Death occurring to an individual of less than one year of age.

MATERNAL DEATH - Death wherein the physician has designated a maternal condition as the underlying cause of death.

NEONATAL DEATH - Death occurring to an infant less than 28 days of age.

PERINATAL DEATH - The total of fetal deaths and deaths to infants within the first six days of life.

OCCURRENCE - Place where the event actually occurred.

UNDERLYING CAUSE OF DEATH - That condition giving rise to the chain of events leading to death.

NATURAL INCREASE - The excess of births over deaths.

TECHNICAL NOTES

Crude Birth Rate:	$\frac{\text{Total Live Births} \times 1,000}{\text{Total Population}}$
Illegitimacy Rate:	$\frac{\text{Total Illegitimate Births} \times 1,000}{\text{Total Live Births}}$
Crude Death Rate:	$\frac{\text{Total Deaths} \times 1,000}{\text{Total Population}}$
Crude Rate of Natural Increase:	$\frac{\text{Live Births} - \text{Deaths} \times 1,000}{\text{Total Population}}$
Divorce and Annulment Rate:	$\frac{\text{Total Divorces and Annulments} \times 1,000}{\text{Total Population}}$
Fetal Death Rate:	$\frac{\text{Total Fetal Deaths} \times 1,000}{\text{Total Live Births}}$
Infant Death Rate:	$\frac{\text{Death under one year of age} \times 1,000}{\text{Total Live Births}}$
Perinatal Death Rate:	$\frac{\text{Number of Perinatal Deaths} \times 1,000}{\text{Total Live Births plus Fetal Deaths}}$
Marriage Rate:	$\frac{\text{Total Marriages} \times 1,000}{\text{Total Population}}$
Neonatal Death Rate:	$\frac{\text{Deaths less than 28 days} \times 1,000}{\text{Total Live Births}}$
Fertility Rate:	$\frac{\text{Total Live Births} \times 1,000}{\text{Total Female Population (age 15-44)}}$
Low-Weight Birth Rate:	$\frac{\text{Total Low-Weight Births} \times 1,000}{\text{Total Live Births}}$

OFFICE OF VITAL STATISTICS
DEPARTMENT OF PUBLIC HEALTH AND SOCIAL SERVICES

"SUMMARY OF VITAL STATISTICS"
GUAM, M.I.

	1982		1983		1984	
	<i>NO.</i>	<i>RATES</i>	<i>NO.</i>	<i>RATES</i>	<i>NO.</i>	<i>RATES</i>
<i>LIVE BIRTHS</i>	2992	27.5	3184	28.9	3067	25.6
<i>LEGITIMATE</i>	2267	20.9	2370	21.5	2203	18.4
<i>ILLEGITIMATE</i>	725	242.3	814	255.7	864	281.7
<i>DEATHS</i>	443	4.1	462	4.2	450	3.8
<i>INFANT DEATHS</i>	34	11.4	35	11.0	34	11.1
<i>NEONATAL DEATHS</i>	16	5.3	24	7.5	20	6.5
<i>MATERNAL DEATHS</i>	-	-	1	0.3	-	-
<i>FETAL DEATHS</i>	38	12.7	42	13.2	31	10.1
<i>MARRIAGES</i>	1393	12.8	1653	15.0	1382	11.5
<i>DIVORCES</i>	458	4.2	550	5.0	550	4.6

(119,899)*

BIRTH AND DEATH RATES PER 1,000 POPULATION. INFANT, NEONATAL, MATERNAL, AND FETAL DEATH RATES PER 1,000 LIVE BIRTHS.

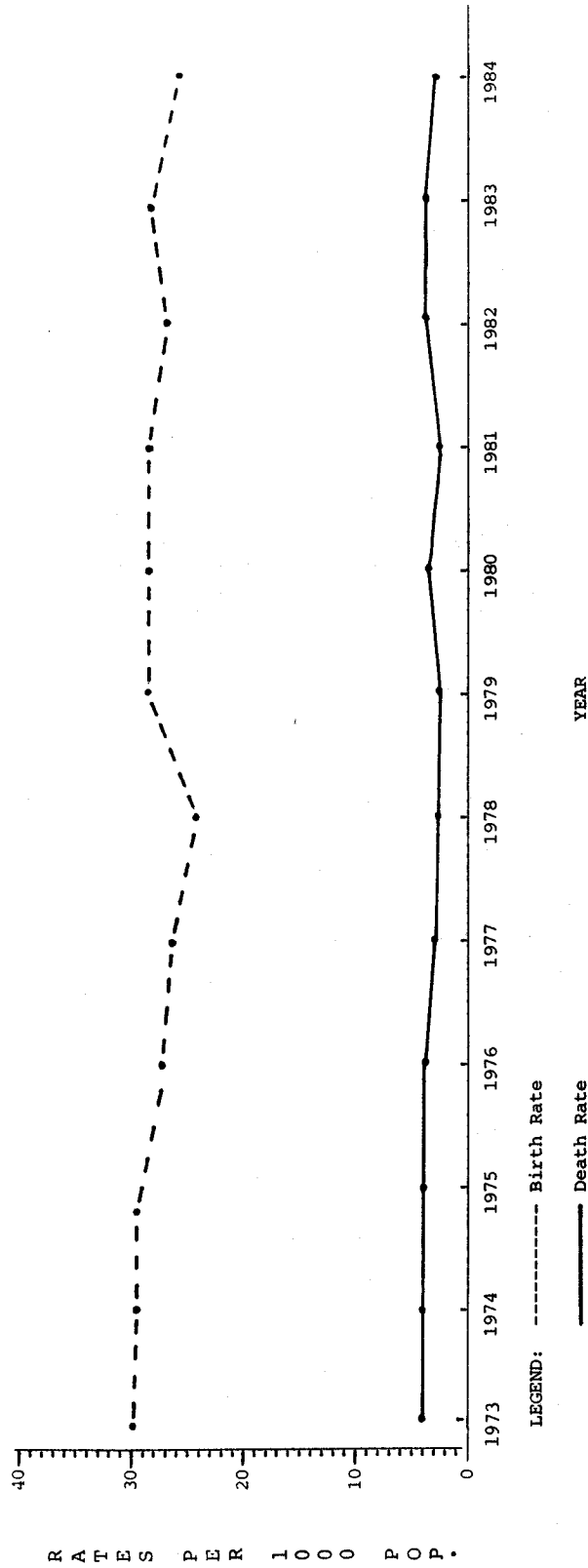
*Estimates by Bureau of Planning.

BIRTHS AND DEATHS
AND RESULTANT NATURAL INCREASE

1968 - 1984

<u>YEAR</u>	<u>BIRTHS</u>	<u>DEATHS</u>	<u>NATURAL INCREASE</u>
1968	2512	356	2156
1969	2699	421	2278
1970	2875	355	2520
1971	3068	364	2704
1972	3206	409	2797
1973	3234	435	2799
1974	3226	449	2777
1975	3163	441	2722
1976	3048	466	2582
1977	3007	380	2627
1978	2905	424	2481
1979	2950	377	2573
1980	3003	422	2581
1981	3008	406	2602
1982	2992	443	2549
1983	3184	462	2722
1984	3067	450	2617

RATES OF BIRTH AND DEATH
1973 - 1984



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Births and Deaths and Rates
Per Thousand Population
1973-1984

YEAR	BIRTHS	RATE	DEATHS	RATE	POPULATION
1973	3234	30.9	435	4.2	104,572
1974	3226	29.2	449	4.1	110,294
1975	3163	29.8	441	4.1	106,310
1976	3048	27.3	466	4.2	111,599
1977	3007	26.3	380	3.3	114,236
1978	2903	24.9	424	3.6	116,741
1979	2950	28.1	377	3.6	105,000
1980	3003	28.4	422	4.0	105,830
1981	3008	28.4	406	3.8	105,830
1982	2992	27.5	443	4.1	108,700
1983	3184	28.9	462	4.2	110,000
1984	3067	25.6	450	3.8	119,899

NATALITY STATISTICS

