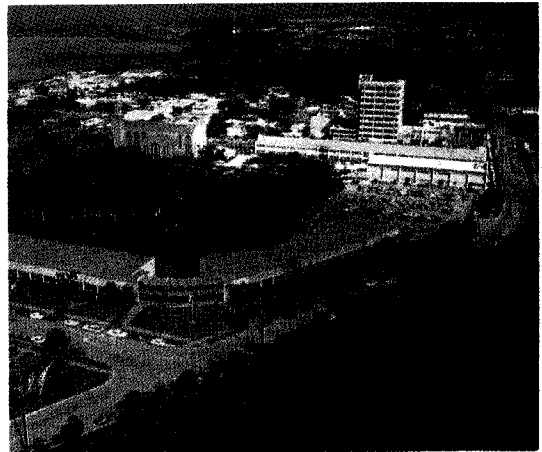


GUAM

1985 STATISTICAL REPORT **OFFICE OF VITAL STATISTICS**



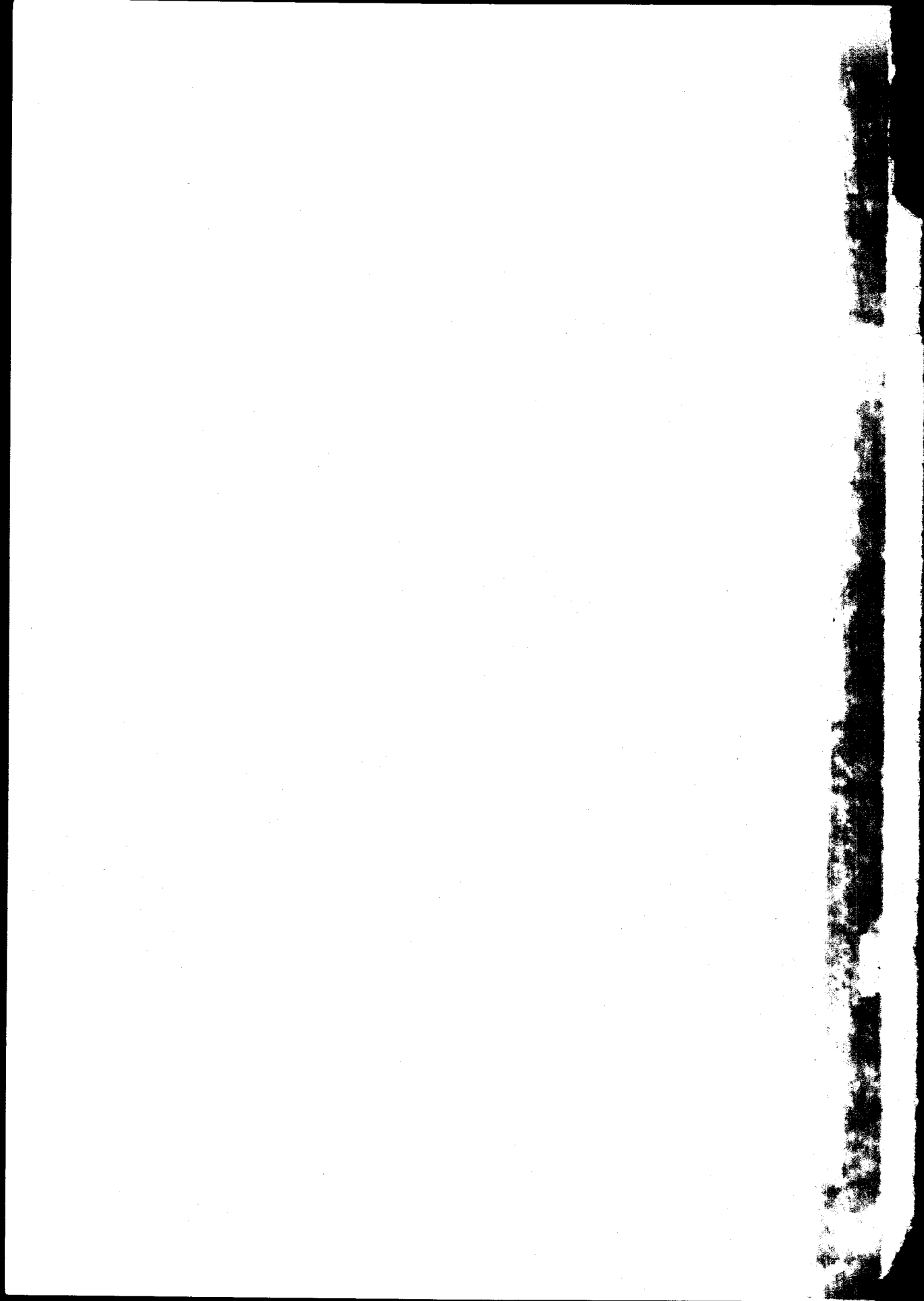
DEPARTMENT OF PUBLIC HEALTH

and

SOCIAL SERVICES

GOVERNMENT OF GUAM

AGAÑA, GUAM



1985

ANNUAL STATISTICAL REPORT



Department of Public Health and Social Services

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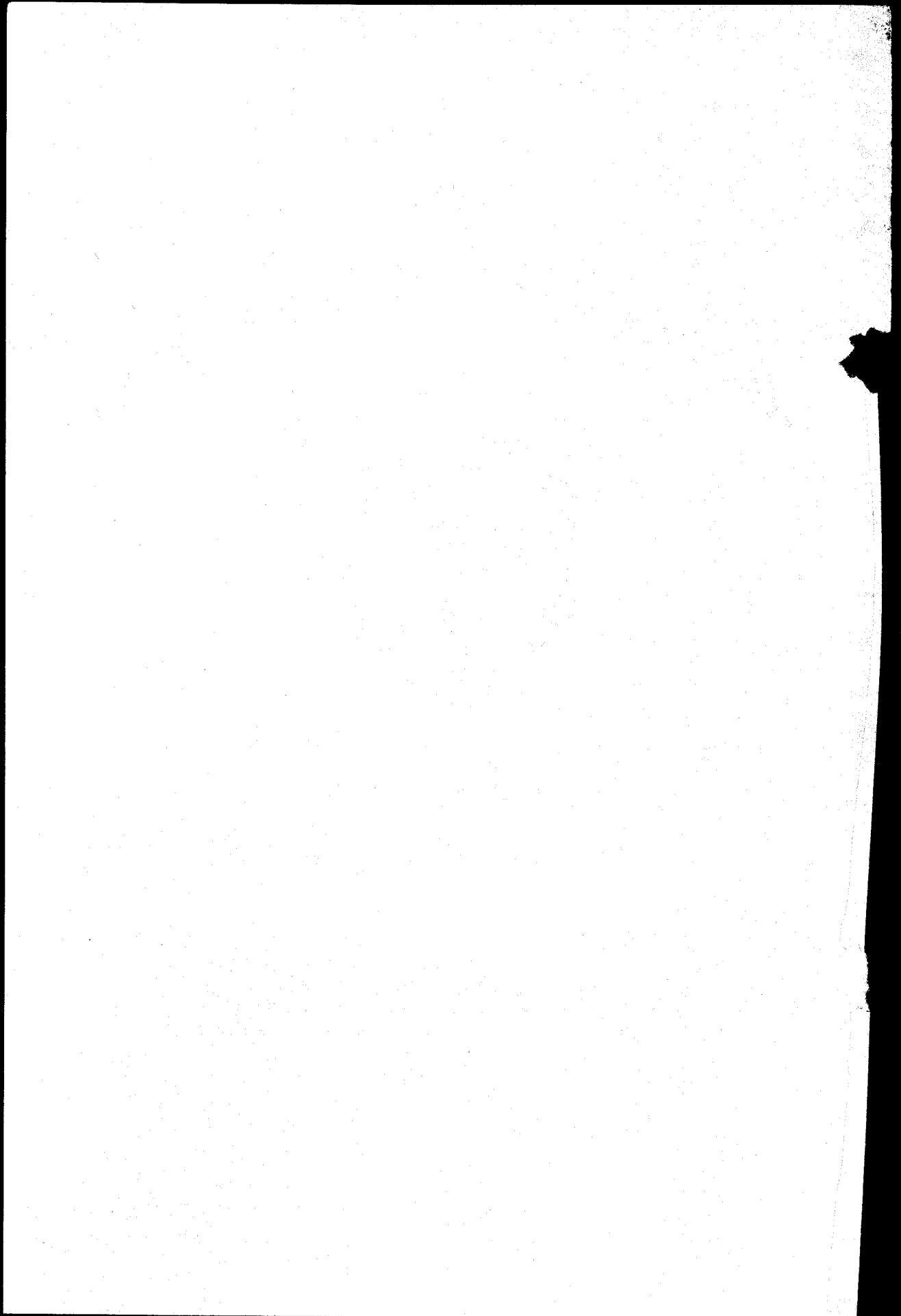


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FOREWORD

This volume is the sixteenth (16th) 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, deaths, infants and fetal 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 1985.

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

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 in 1985 increased by 4.2% over 1984 (3197 compared to 3067). The birth rate was 26.6.

Multiple births have doubled with 59 cases as compared with 28 for 1984 - 1.8% of all births.

Births to teenage mothers came to a total of 436 accounting for 13.6% of total births of 3197, which is actually a decrease from previous year.

The Guam Memorial Hospital had 2,320 births, the U.S. Naval Hospital 874 plus 3 home deliveries.

In 1985, 68% or 2165 of the women giving birth began their prenatal care in the first trimester of pregnancy. Those who made their first visit during the second trimester totaled 814 or 25.5%. There were 41 mothers who reported that they had received no prenatal care at all. For teenage mothers, only 48% of these mothers received prenatal care in the first trimester.

Low birth weight, one measure of prematurity, is defined as a newborn weighing less than 5 lbs. 9 oz. The year ended with 268 or 8.4% of births with low birth weight, a slight increase as compared to 7.8% for 1984.

There were 969 illegitimate births for 1985 with a birth rate of 303.1 as compared with 864 for 1984.

MORTALITY - The number of deaths continued its downward trend for the second year in a row with 441 deaths. The death rate was 3.7 per 1000 population. The crude rate of natural increase was 22.9.

1985 ended again with heart disease as the number one cause of death with 24.9 percent and is still followed by cancer with a slight increase from previous year. Diabetes Mellitus switched place with cerebrovascular diseases. This year diabetes mellitus jumped from 3rd place to 4th and cerebrovascular disease from 4th to 3rd. Suicide has entered the 10 leading causes of death as the number 10.

The infant death rate rose slightly again from 11.1 per 1,000 live births in 1984 to 12.2 in 1985.

Neonatal deaths have increased from 20 for 1984 to 27 for 1985. The death rate was 8.4 per 1,000 live births.

MARRIAGES - The number of marriages for 1985 showed an upward trend with 1498 marriages with a rate of 12.5 per 1,000 population. Of the brides, 79.0% had never been married before, 1.5% were widowed, 18.3% were previously divorced and 0.9% had their marriages annulled. Of the grooms, 76.3% had never been married, 0.8% were widowed, 21% were previously divorced and 1.4% were annulled. Brides under the age of twenty accounted for 5.3% and 13.2% of the grooms. The month of June was still the most popular month for marriage with 169 or 11.3%. January was the least popular month with only 100 marriages or 6.7%.

DIVORCES - There were 876 divorces granted for the year - an increase of 326 cases from 1984 or 59.3%. The rate was 7.3 per 1,000 population which is quite high. The divorce rate for the nation in 1984 was 4.9 per 1,000 population. There were 556 children under 18 years of age involved in divorces and annulments in 1985.

DEFINITIONS

Since this report utilizes various terms and technical connotations, it is necessary to define them to aid the 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 a 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.

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.

	1983		1984		1985	
	NO.	RATES	NO.	RATES	NO.	RATES
<i>LIVE BIRTHS</i>	3184	28.9	3067	25.6	3197	26.6
<i>LEGITIMATE</i>	2370	21.5	2203	18.4	2226	18.5
<i>ILLEGITIMATE</i>	814	255.7	864	281.7	969	303.1
<i>DEATHS</i>	462	4.2	450	3.8	441	3.7
<i>INFANT DEATHS</i>	35	11.0	34	11.1	39	12.2
<i>NEONATAL DEATHS</i>	24	7.5	20	6.5	27	8.4
<i>MATERNAL DEATHS</i>	1	0.3	-	-	-	-
<i>FETAL DEATHS</i>	42	13.2	31	10.1	31	9.7
<i>MARRIAGES</i>	1653	15.0	1382	11.5	1498	12.5
<i>DIVORCES</i>	550	5.0	550	4.6	876	7.3

*(120,229)

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.

GUAM VITAL EVENTS

