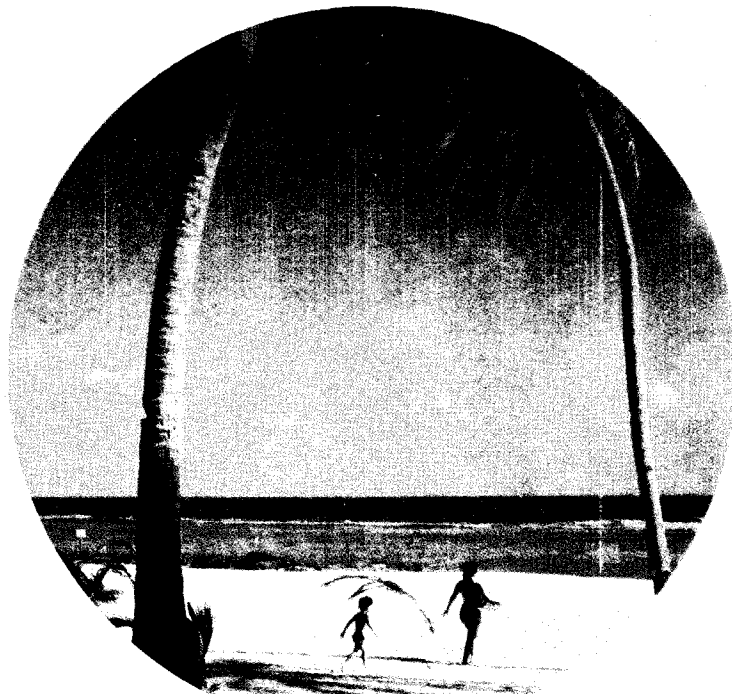


STATISTICAL REPORT

1980



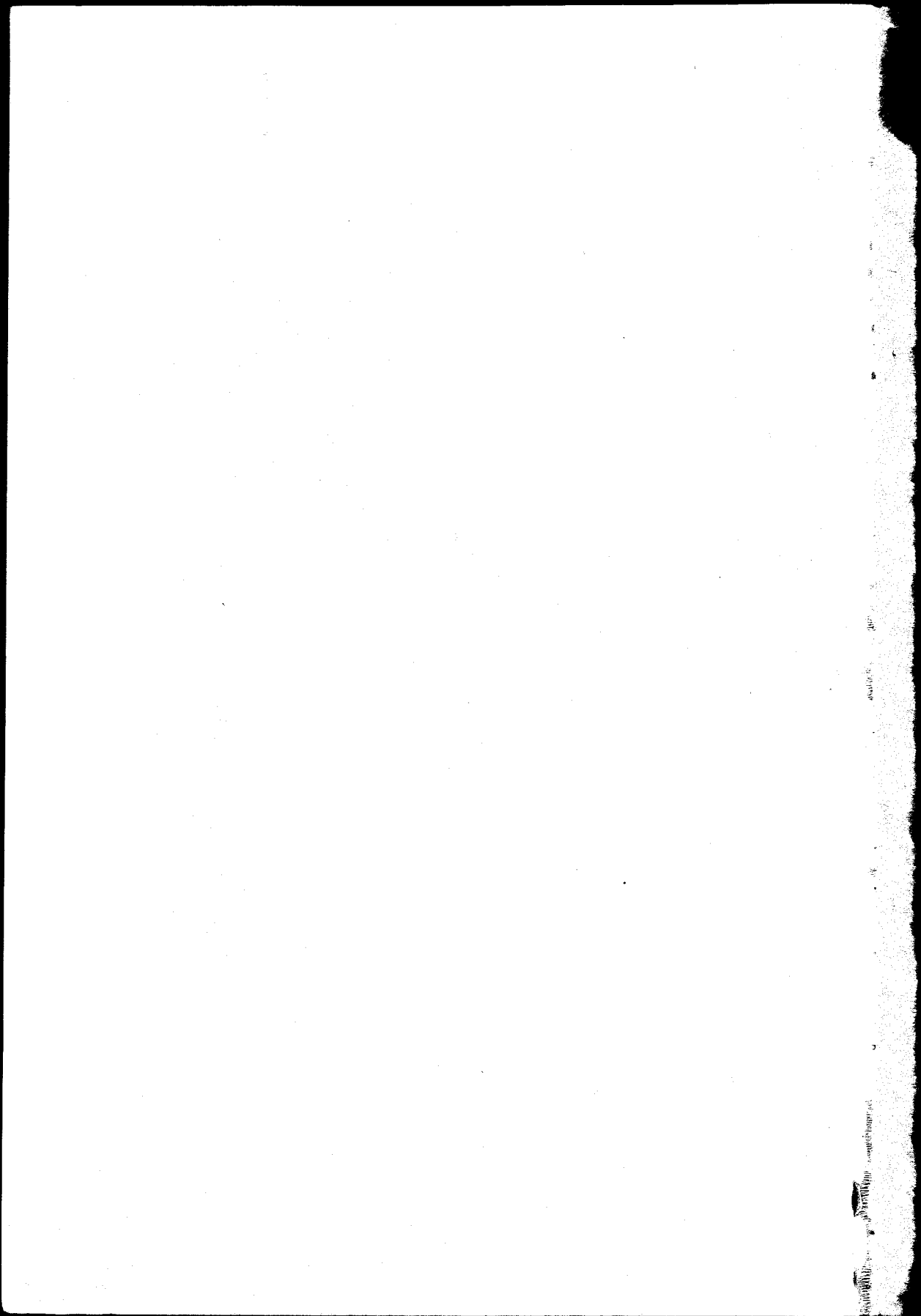
**OFFICE OF VITAL STATISTICS
DEPARTMENT OF PUBLIC HEALTH**

and

SOCIAL SERVICES

GOVERNMENT OF GUAM

AGANA, GUAM



ANNUAL STATISTICAL REPORT 1980



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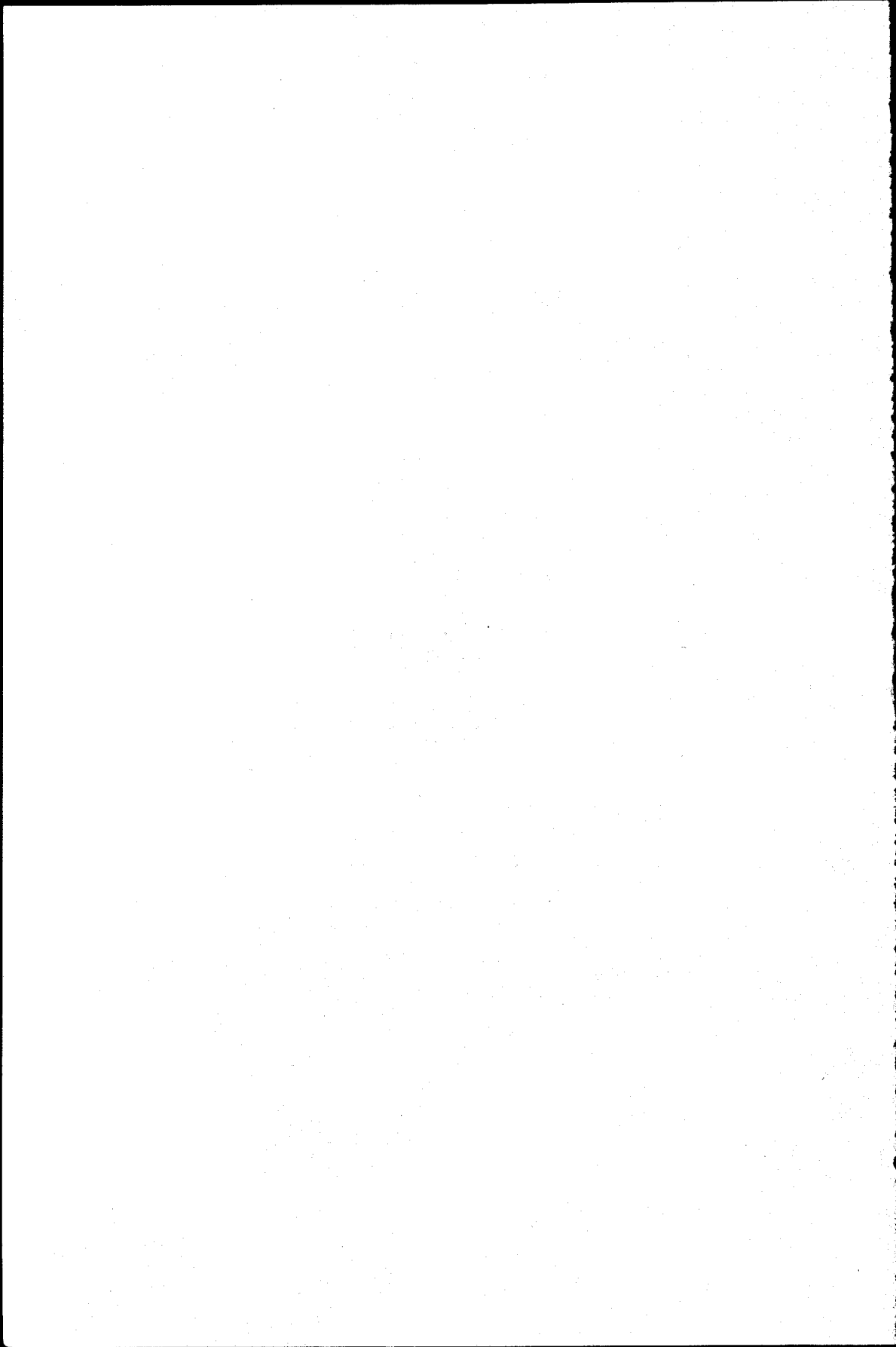


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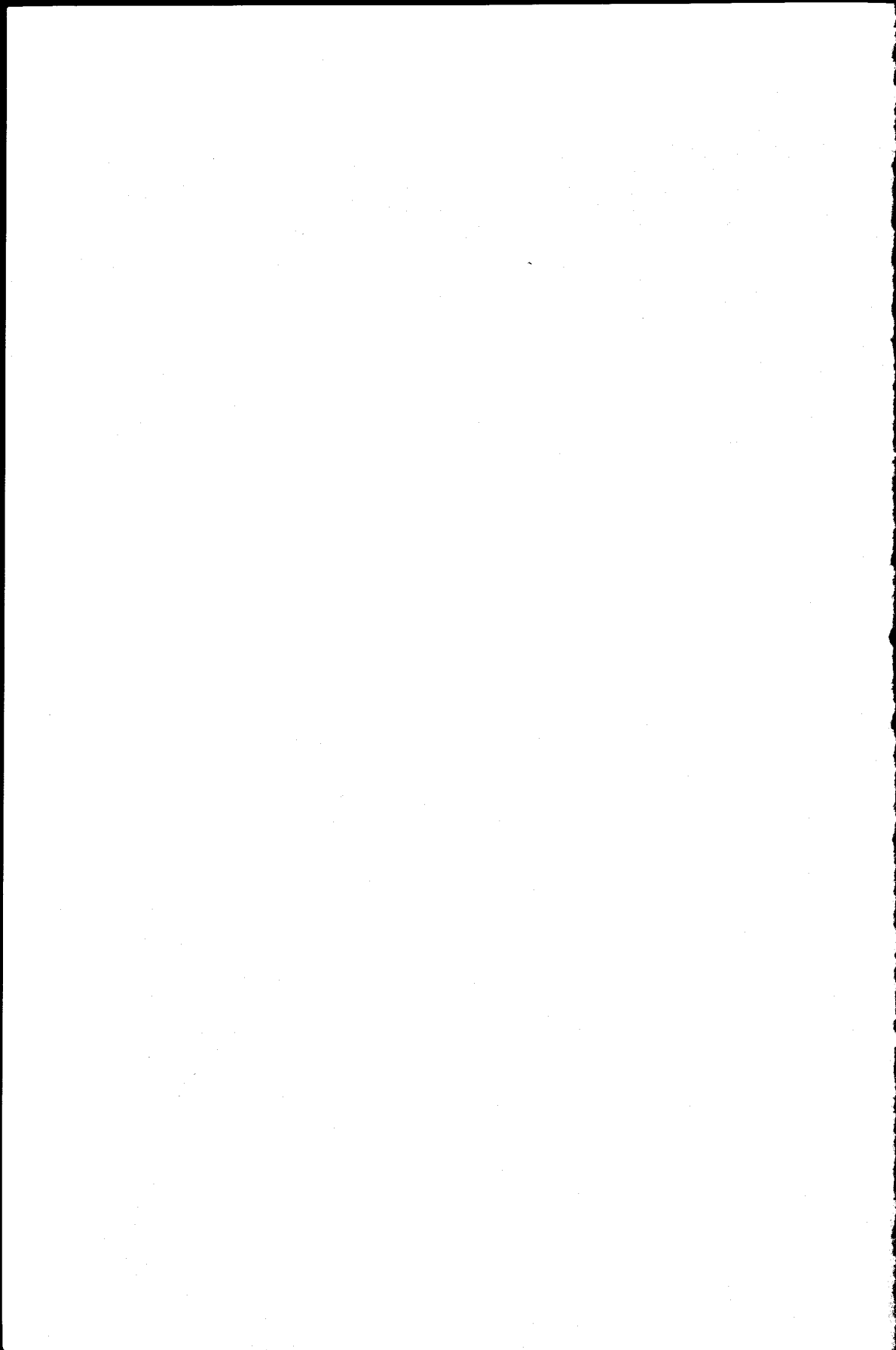
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FORWORD

This volume is the eleventh edition of the Annual Statistical Report prepared in a booklet printed form. It contains data compiled from certificates registered with the Office of Vital Statistics (these certificates can be found on the back). The time period for this report is based on calendar year - 1980.

NATALITY - The year ended with 53 more live births than there were in 1979 with a 1.8 percent increase. There were 3003 births with a rate of 28.4 per 1,000 population as compared to 2950 for 1979 and annual rate of 28.1.

Illegitimacy is still on the upswing with a total of 609 and the rate of 202.8 per 1,000 live births.

99.6 percent of 1980 births occurred in hospital. There were 13 home deliveries as compared to two for the previous year.

Forty six (46) birth defects were recorded for the year out of the 3003 births. The rate of 15.3 per 1,000 live births represents an increase from 1979 when the rate was 9.2. The highest figure of 25 cases was mentioned among mothers between the ages of 20-29 years. Out of 5 births among mothers aged 45-49, two (2) were indicated as having congenital malformation.

During 1980, 1620 or 53.9 percent of the 3003 mothers reported that they had visited a physician for prenatal care within the first three months of pregnancy. Only 60 mothers or 2 percent of the births were to mothers who had no prenatal care indicating a slight decrease from previous year of 2.5 percent.

Low birth babies, those weighing 5 pounds, 8 ounces or less, totaled 256 or 8.5 percent of the 3003 births recorded for the year. The comparable figure was 8.3 percent for 1979.

MORTALITY - There were 45 more deaths recorded in 1980 than in 1979. The rate was 4.0 per 1,000 population. The ten leading causes of death accounted for 69.2 percent of all deaths.

Heart disease again ranked as the number one cause of death accounting for 92 deaths or 21.8 percent of all deaths. Cancer has remained on the second place with 63 deaths or 14.9 percent.

Homicide has jumped one step higher from the 7th place in 1979 to the sixth place for 1980 with 15 deaths.

Of the 422 deaths, 49 deaths occurred to individuals under one year of age. The frequency of infant deaths has increased from 33 in 1979 to 49 in 1980 with a rate of 16.3 per 1,000 live births.

The neonatal death rate (death under 28 days) was 11.7 per 1,000 live births for 1980 as compared with 6.4 for 1979.

MARRIAGES - There were 1636 marriages performed in 1980, 130 less than reported in 1979 the rate being 15.5 per 1,000 population.

Among brides, 86.6 percent were never married previously, 11.2 percent were divorced, and 1.3 percent were widows, and among grooms, 85.4 percent were never married previously, 12.6 percent were divorced, 1.1 percent were widowers. Again the month of June had the highest number of marriages with 200 followed by the months of February and May with 146 marriages each.

DIVORCES - The trend in divorces was upward for the year with a total of 489 as compared to 340 for 1979. The rate for 1980 was 4.6 per 1,000 population. Of the 521 divorces and annulments, 35.1 percent or 183 cases were without children under 18 years of age. About 14 percent or 69 divorces were obtained by couples married for 20 years and over. The age group between 30-34 both for men and women had 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.

	1978		1979		1980	
	<i>NO.</i>	<i>RATES</i>	<i>NO.</i>	<i>RATES</i>	<i>NO.</i>	<i>RATES</i>
<i>LIVE BIRTHS</i>	2903	24.9	2950	28.1	3003	28.4
<i>LEGITIMATE</i>	2399	20.5	2395	22.8	2394	22.6
<i>ILLEGITIMATE</i>	504	173.6	555	188.1	609	202.8
<i>DEATHS</i>	424	3.6	377	3.6	422	4.0
<i>INFANT DEATHS</i>	46	15.8	33	11.2	49	16.3
<i>NEONATAL DEATHS</i>	29	10.0	19	6.4	35	11.7
<i>MATERNAL DEATHS</i>	-	-	1	0.3	1	0.3
<i>FETAL DEATHS</i>	48	16.5	47	15.9	32	10.7
<i>MARRIAGES</i>	1767	15.1	1766	16.8	1636	15.5
<i>DIVORCES</i>	340	2.9	340	3.2	489	4.6

(105,830)*

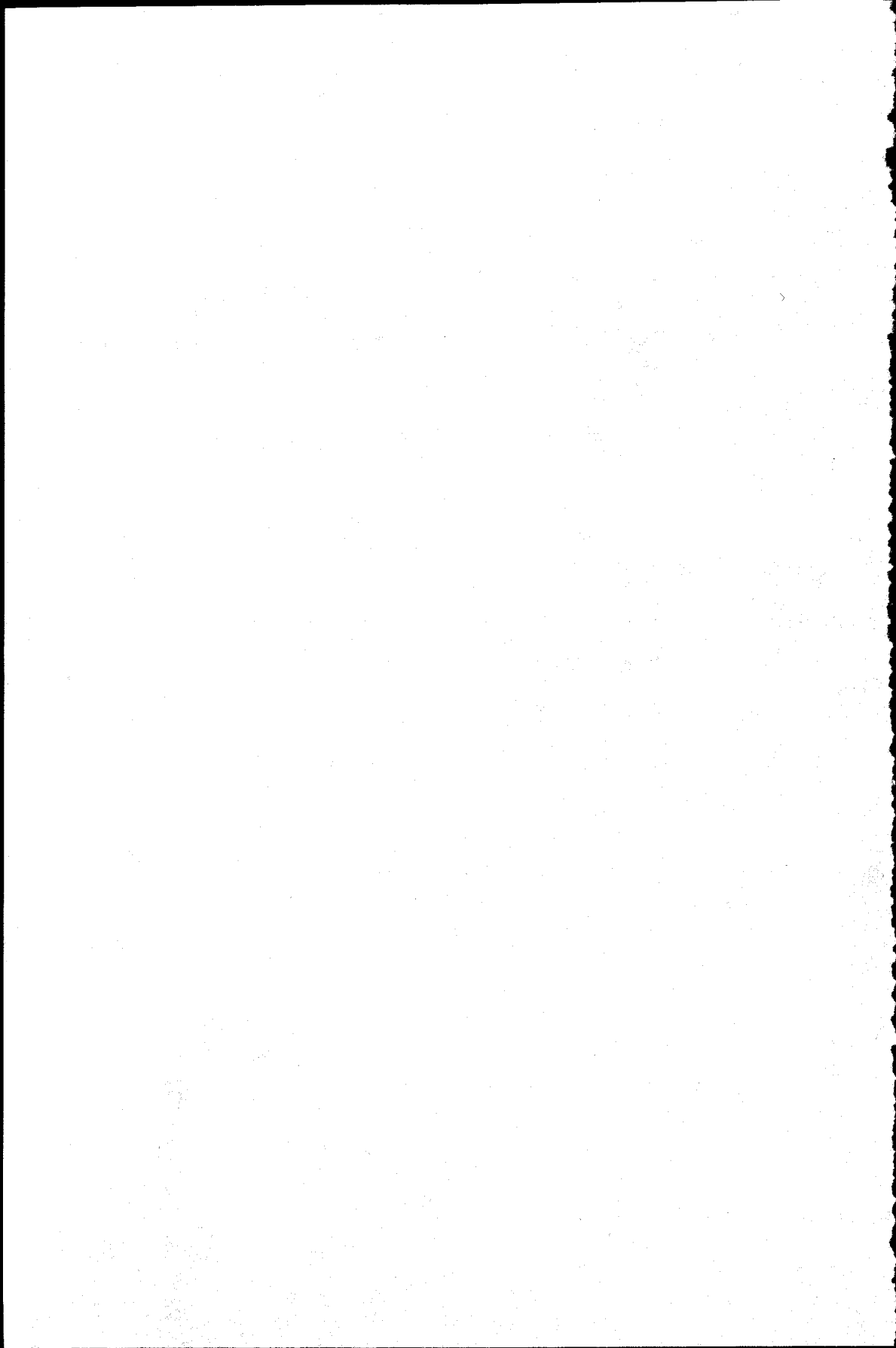
BIRTH AND DEATH RATES PER 1,000 POPULATION. INFANT, NEONATAL, MATERNAL, AND FETAL DEATH RATES PER 1,000 LIVE BIRTHS.

* Estimates by Bureau of Planning

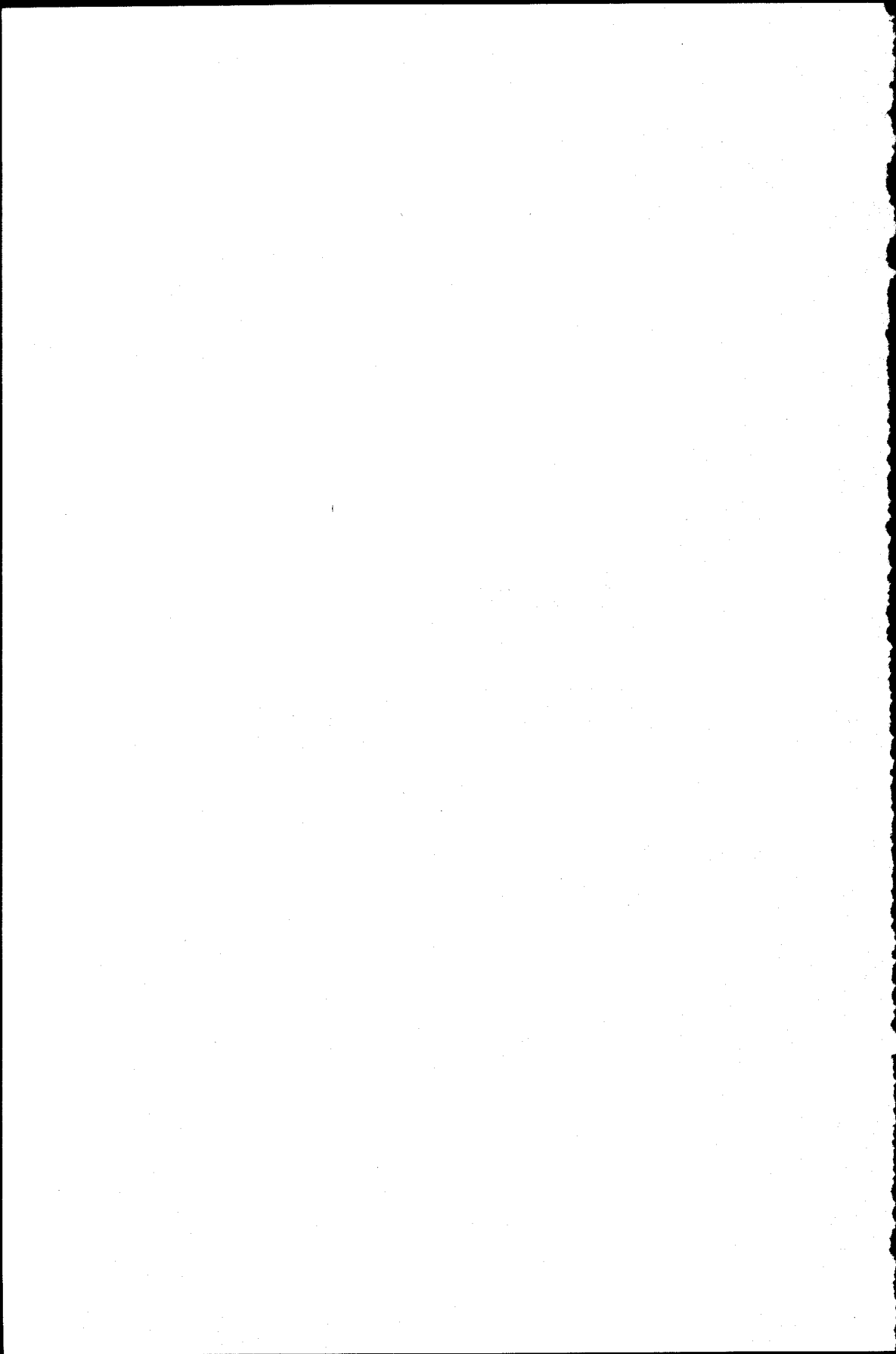
BIRTHS AND DEATHS
AND RESULTANT NATURAL INCREASE

1968 - 1980

<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



NATALITY STATISTICS



NATALITY - LIVE BIRTHS BY PLACE OF OCCURRENCE AND MONTH OF BIRTH FOR 80

PLACE OF OCCURRENCE	TOTAL	M O N T H O F B I R T H												UNK.
		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	
GUAM MEMORIAL HOSPITAL	2095	174	177	191	153	155	152	169	183	181	202	167	191	0
NAVAL HOSPITAL	895	73	70	71	67	79	70	76	64	78	75	81	91	0
HOME	13	3	1	0	2	1	2	1	1	0	2	0	0	0
OUTSIDE GUAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3003	250	248	262	222	235	224	246	248	259	279	248	282	0

NATALITY - LIVE BIRTHS BY SEX AND RACE FOR 80

RACE	MALE	FEMALE	NOT REPORTED
GUAMANIAN	352	336	0
CAUCASIAN	228	235	0
FILIPINO	253	237	0
MICRONESIAN	38	33	0
JAPANESE	6	19	0
NEGRO	24	23	0
CHINESE	10	9	0
GUAM-OTHER	180	146	0
GUAM-UNK	205	197	0
ALL OTHER	249	223	0
NOT REPORTED	0	0	0
TOTAL	1545	1458	0

NATALITY - LIVE BIRTHS BY PLACE OF BIRTH AND MOTHER'S BIRTHPLACE -80

MOTHER'S BIRTHPLACE	TOTAL ALL PLACES	PLACE OF BIRTH			OUTSIDE	UNKNOWN
		G M H	U S N H	H O M E		
GUAM	1287	1173	109	5	0	0
UNITED STATES	660	165	491	4	0	0
PHILIPPINES	629	438	189	2	0	0
TRUST TERRITORY	188	153	35	0	0	0
JAPAN	54	42	12	0	0	0
ALL OTHERS	185	124	59	2	0	0
UNKNOWN	0	0	0	0	0	0
TOTAL	3003	2095	895	13	0	0