

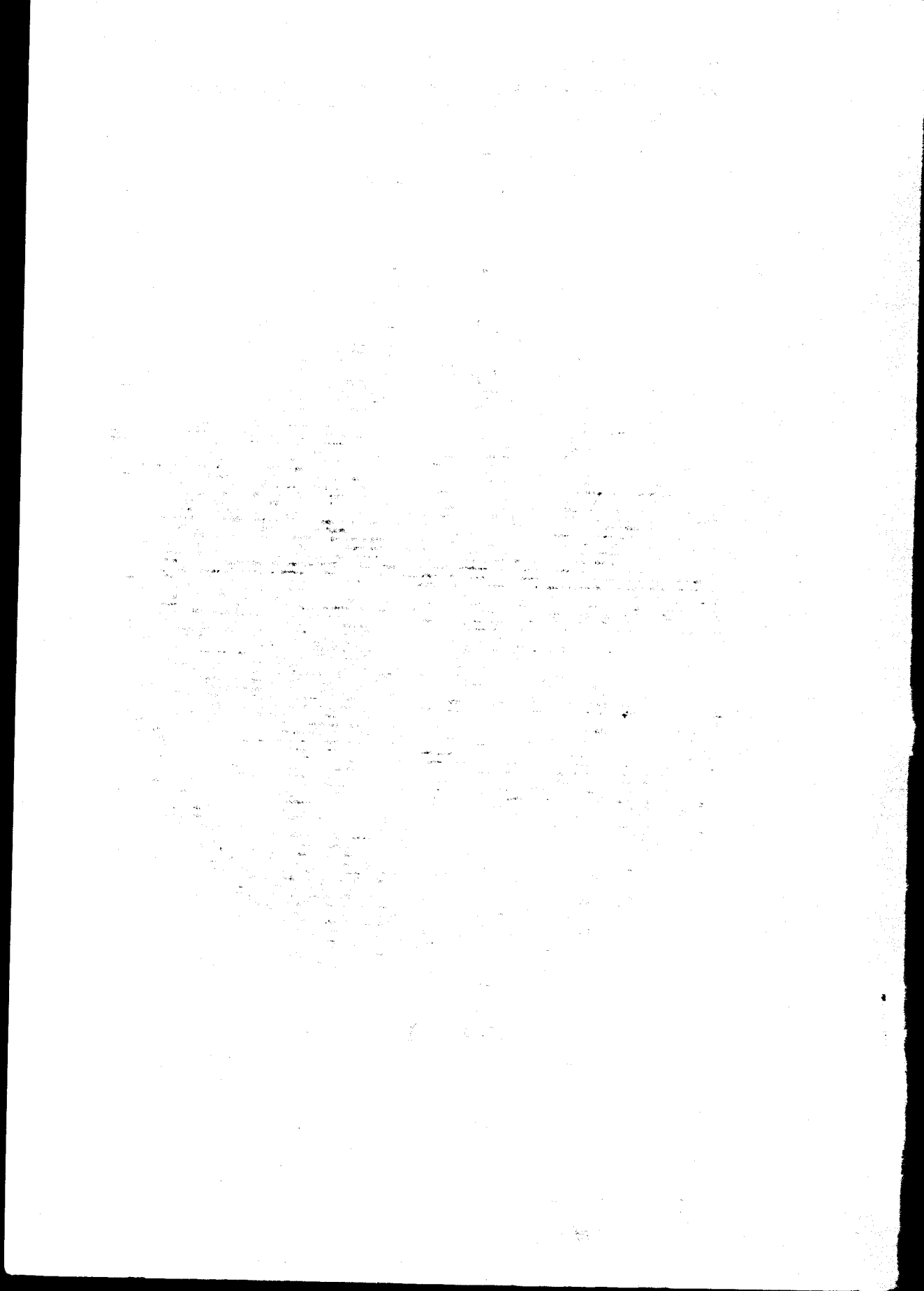
STATISTICAL REPORT

GUAM, 1983



OFFICE OF VITAL STATISTICS
DEPARTMENT OF PUBLIC HEALTH AND SOCIAL SERVICES

GOVERNMENT OF GUAM
AGANA, GUAM



ANNUAL STATISTICAL REPORT 1983



Department of Public Health and Social Services

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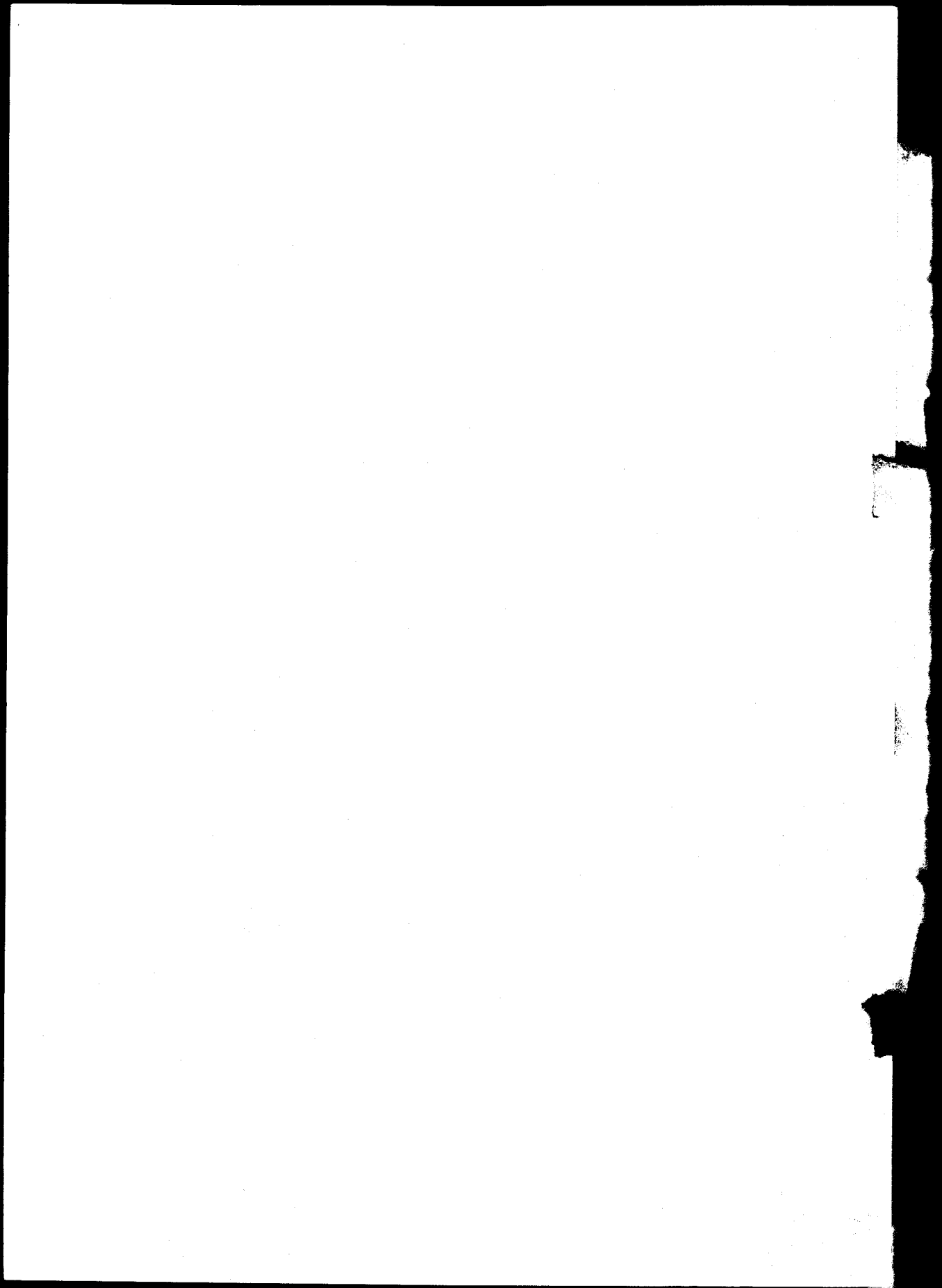


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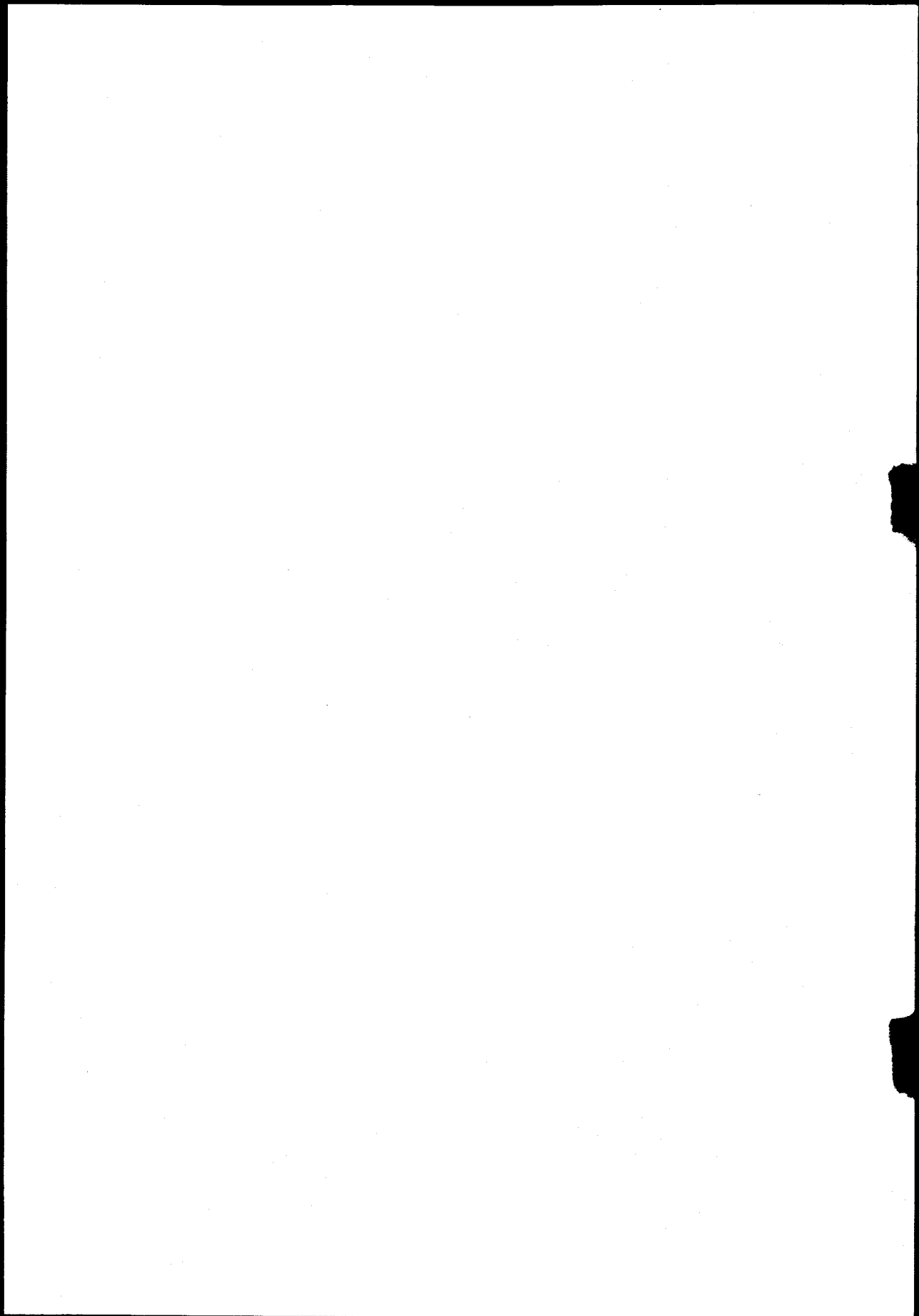
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FOREWORD

This volume is the fourteenth 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 1983.

It is hoped that this report will be useful to health data users. 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 1983 live births went upwards reaching a new high of 3184, 6.0 percent above the total of 2992 for 1982. The birth rate was 28.9 per 1,000 population as compared to 27.5 for the previous year.

A total of 65 live births occurred as a result of multiple births which constituted 2.0 percent of 3184 births recorded for the year.

There were 814 illegitimate live births representing 25.6% of all live births. This is an increase of 89 as compared to 725 for 1982. Illegitimate births occurred more frequently among young mothers. Females under age 20 accounted for 36.5 percent of all illegitimate births.

Out of the 3184 live births for the year, 866 or 64.5 percent saw a physician within the first three months of their pregnancy. Another 92.5 percent of the mothers went during the first six months. Only 40 reported they had no prenatal care at all.

Birth weight of less than 5 pounds 9 ounces came to a total of 243 or 7.6 percent of 3184 live births for 1983. The percent of low birth weight for 1982 was 8.5 percent. There were 43 infants with high birth weight or 1.4 percent.

MORTALITY - The 462 deaths registered represented a rate of 4.2 per 1,000 population. This is an increase of 19 from the number 443 reported for 1982.

The most important data item reported on the death certificate is the cause of death. Knowing what people die of provides a measure of the health of the population. Mortality statistics by cause of death were based on death certificates coded for underlying cause using the 9th revision of the International Classification of Diseases, World Health Organization.

The year ended with 462 deaths and still having heart disease as the top leading cause of death with 137 cases or 29.7 percent of all deaths. The second leading cause of death was neoplasms which has remained in that position since 1978. Cerebrovascular diseases dropped from third place to 4th place. Other diseases of central nervous system fell from the 4th place in 1982 to the 9th place in 1983. Motor vehicle accidents rose from 8th position in 1982 to the third place in 1983.

The infant death rate was 11.0 per 1,000 livebirths as compared to 11.4 for 1982.

MARRIAGES - The number of marriages performed during the year continued its upward trend in 1983 reaching a new high of 1653. The greatest number of marriages occurred between brides within the 20-24 age group and within the same age group for grooms. For marriages under the age of twenty, 12.2 percent were among the brides and 4.8 percent among the grooms. Under the previously divorced individuals, the highest number of marriages occurred in the age group 30-34 for brides and also between age group 30-34 for grooms.

June was the most popular month for marriages with 194 and the month of December next with 170 marriages.

DIVORCES - Once again the trend in 1983 for divorces was upward with a total of 550 as compared with 458 for 1982. The rate was 5.0 per 1,000 population. Out of the total 550 persons granted divorces, 22 percent were between the ages of 25-29 for wives and 19.6 percent between age group 30-34 for husbands. Marriages of 3 years duration had the highest number of divorces - 62 cases. Next group was 20 years and over with 60 cases.

The year ended with 67 annulments.

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"

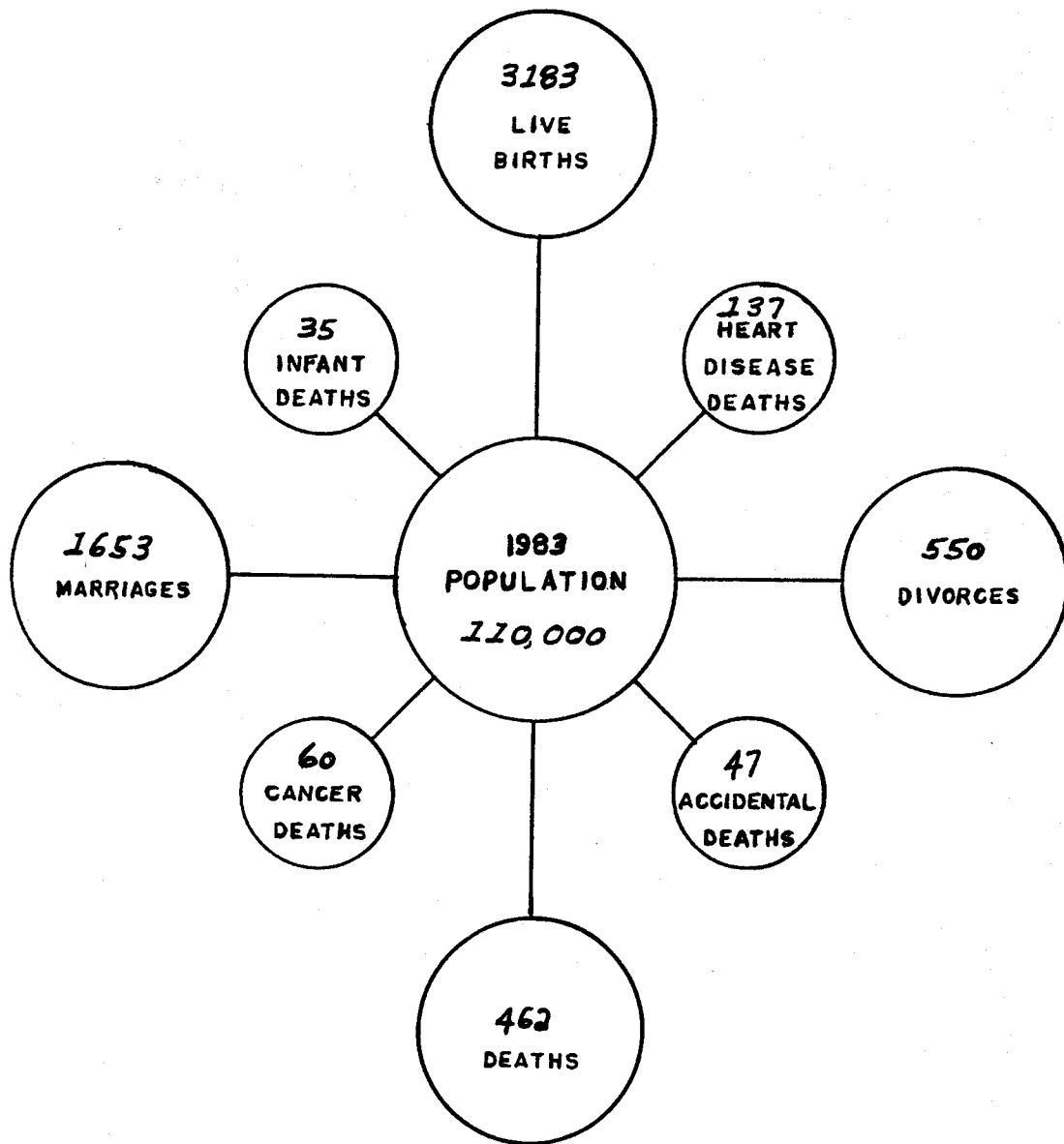
GUAM M.I.

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	NO.	RATES	NO.	RATES	NO.	RATES
LIVE BIRTHS	3008	28.4	2992	27.5	3184	28.9
LEGITIMATE	2345	22.2	2267	20.9	2370	21.5
ILLEGITIMATE	663	220.4	725	242.3	814	255.7
DEATHS	406	3.8	443	4.1	462	4.2
INFANT DEATH	32	10.6	34	11.4	35	11.0
NEONATAL DEATHS	29	9.6	16	5.3	24	7.5
MATERNAL DEATHS	-	-	-	-	1	0.3
FETAL DEATHS	39	13.0	38	12.7	42	13.2
MARRIAGES	1480	14.0	1393	12.8	1653	15.0
DIVORCES	357	3.4	458	4.2	550	5.0

(110,000)*
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

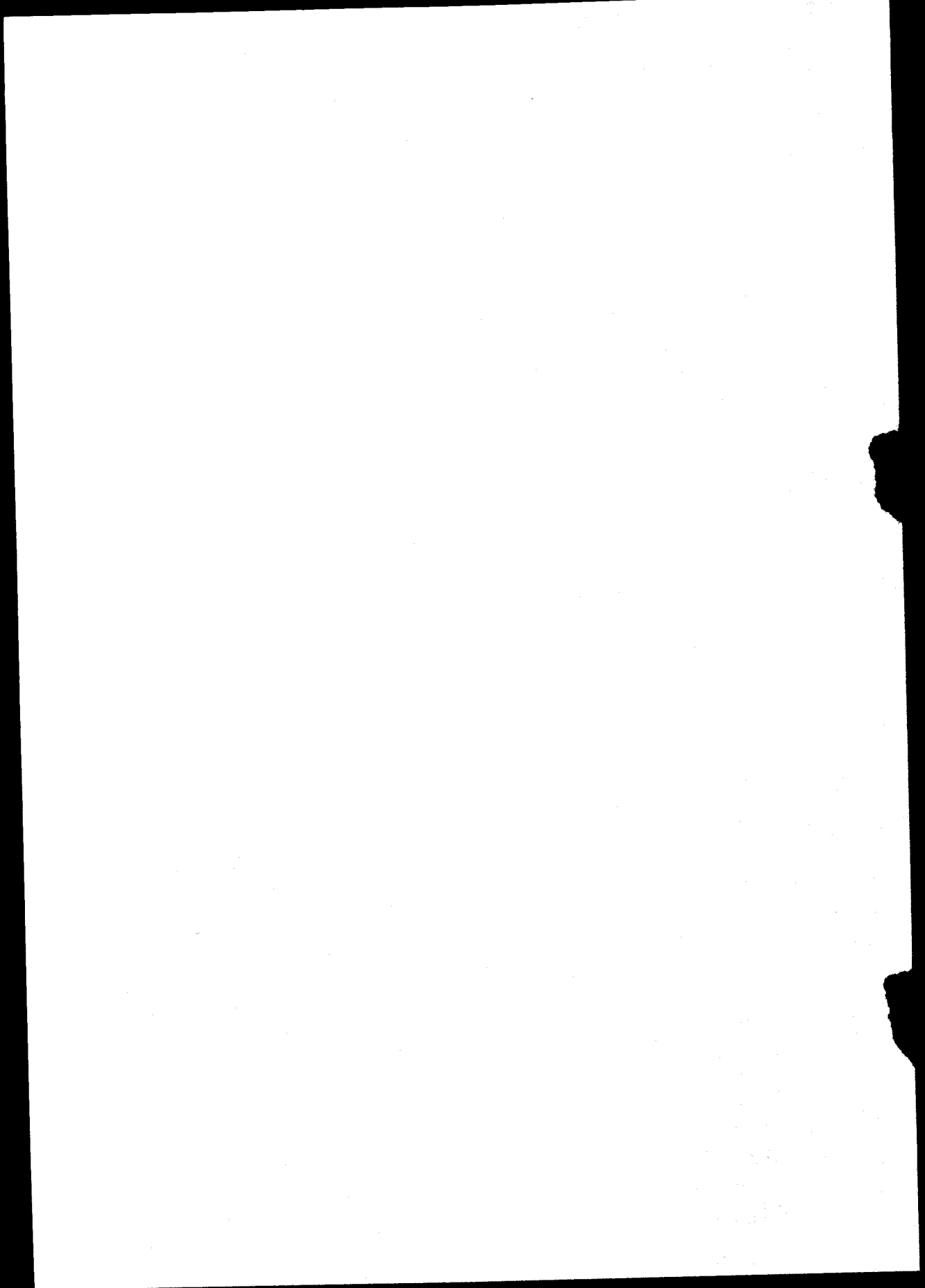


BIRTHS AND DEATHS
AND RESULTANT NATURAL INCREASE

1968 - 1983

<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

**NATALITY
STATISTICS**



NATALITY

LIVE BIRTHS BY PLACE OF OCCURRENCE AND MONTH OF BIRTH

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	2206	172	165	184	167	172	157	191	210	202	212	221	153	0
NAVAL HOSPITAL	975	87	72	85	52	77	71	76	77	88	82	82	86	0
HOME	3	2	0	0	0	0	0	0	0	1	0	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	3184	261	237	269	259	249	228	267	287	291	294	303	239	0

NATALITY
LIVE BIRTHS BY RACE AND SEX

RACE	S E X		
	MALE	FEMALE	NOT REPORTED
GUAMANTIAN	361	348	0
CAUCASIAN	240	254	0
FILIPINO	198	227	0
MICRONESIAN	31	29	0
JAPANESE	11	7	0
NEGRO	38	32	0
CHINESE	10	10	0
GUAM-OTHER	181	158	0
GUAM-UNKNOWN	257	273	0
ALL OTHER	258	260	0
NOT REPORTED	1	0	0
TOTAL	1586	1598	0

NATALITY

LIVE BIRTHS BY MOTHER'S BIRTH PLACE AND PLACE OF BIRTH		P L A C E O F B I R T H				
MOTHER'S BIRTHPLACE	TOTAL ALL PLACES	G M H	U S N H	HOME	OUTSIDE	UNKNOWN
GUAM	1397	1274	122	1	0	0
UNITED STATES	763	182	581	0	0	0
PHILIPPINES	586	415	169	2	0	0
TRUST TERRITORY	205	190	15	0	0	0
JAPAN	58	38	20	0	0	0
ALL OTHERS	175	107	68	0	0	0
UNKNOWN	0	0	0	0	0	0
TOTAL	3184	2206	575	3	0	0