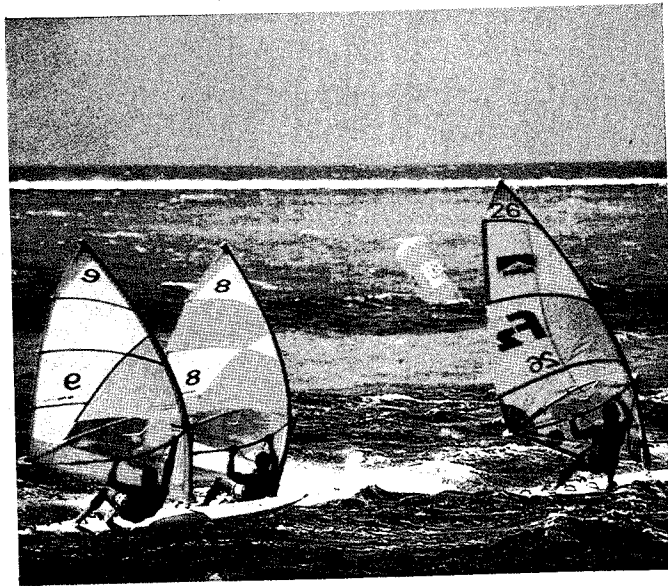


Guam
HA
4012
.A23x
1993

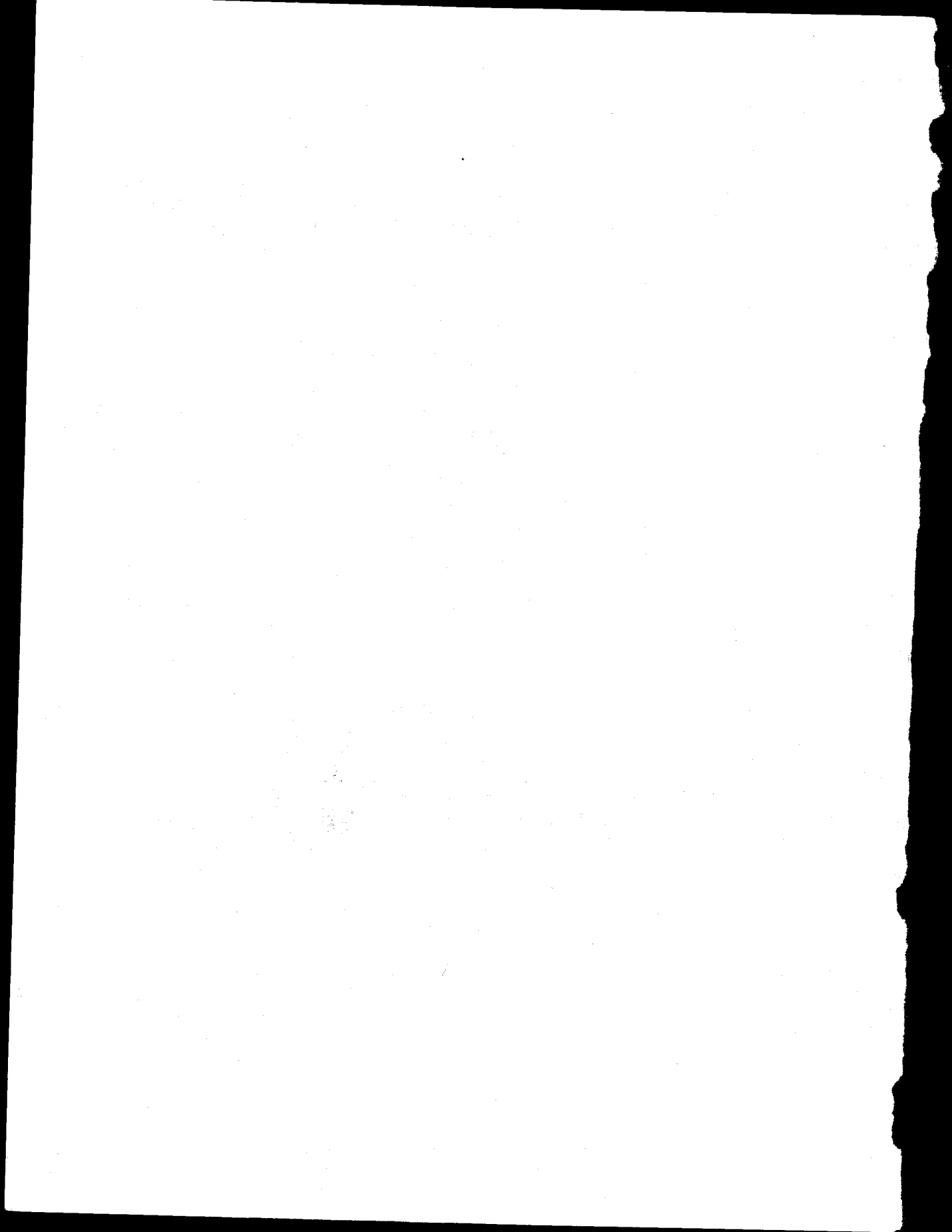
STATISTICAL REPORT

OFFICE OF VITAL STATISTICS

DEPARTMENT OF PUBLIC HEALTH and SOCIAL SERVICES



Guam



Annual Statistical Report

1993



Department of Public Health and Social Services

LETICIA V. ESPALDON, M.D.

"OFFICE OF VITAL STATISTICS STAFF"

Julita V. Santos, Territorial Registrar
Elpidia T. Acfalle, Vital Statistics Technician
Marian S. Eustaquio, Vital Statistics Clerk
Carolyn R. Garrido, Vital Statistics Clerk
Carmen B. Mariano, Vital Statistics Clerk

Technical Assistance Provided by:
Gil S. Suguitan, Office of Planning & Evaluation, DPH&SS

Government of Guam
P.O. Box 2816
Agana, Guam 96910

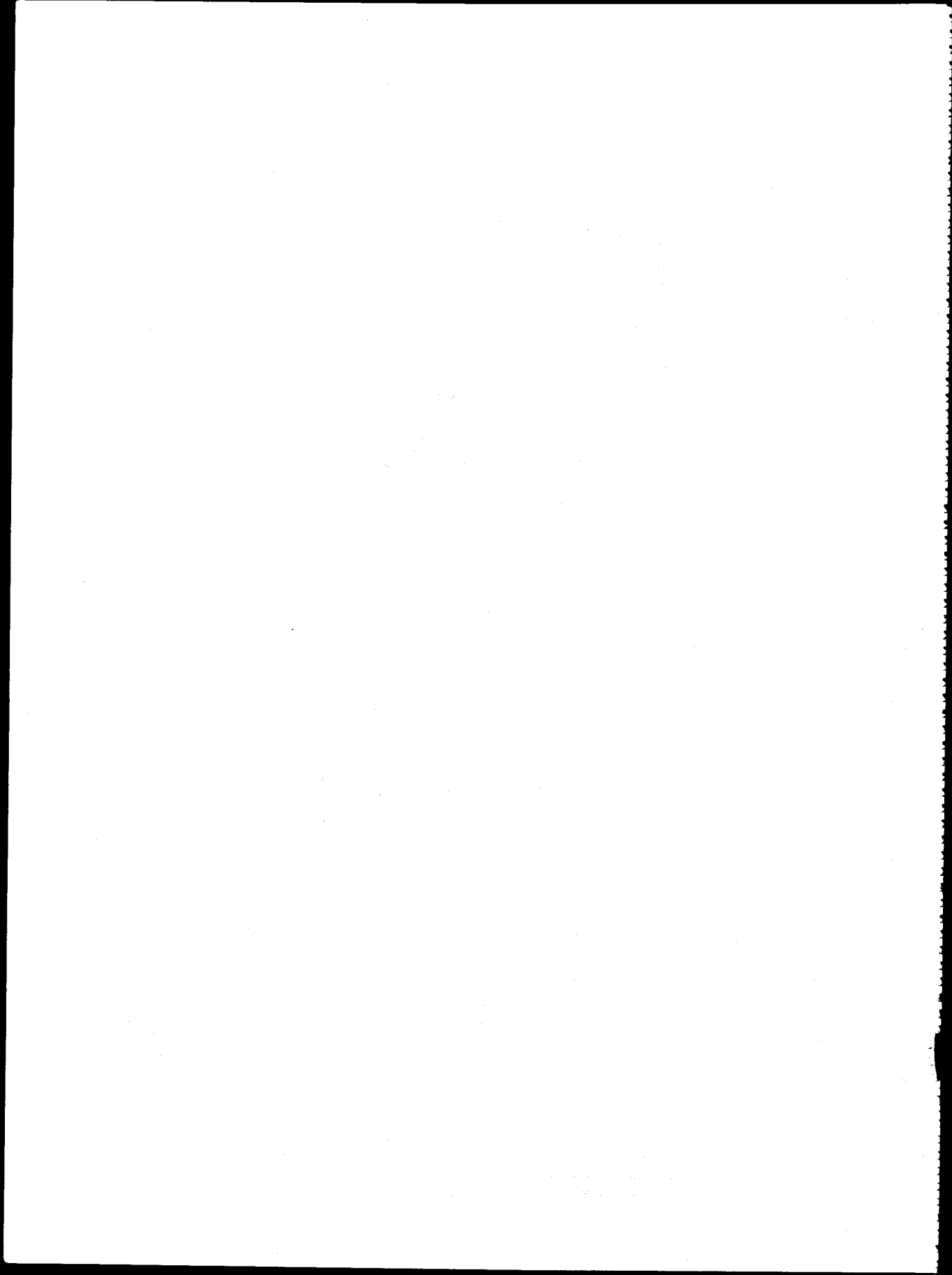


TABLE OF CONTENTS

FOREWORD.....	1
SUMMARY	
Definitions.....	3
Rates.....	4
Comparative Summary of Vital Events.....	5
Births and Deaths - Natural Increase.....	6
Rates of Births and Deaths - 1973 - 1993.....	7
Ten Leading Causes of Death - 1988 - 1993.....	8
Live Births by Month - 1988 - 1993.....	11
Live Births by Age of Mother - 1988 - 1993.....	12
NATALITY	
Table 1.1	Live Births by Month of Birth and Place of Occurrence, Guam: 1993.....13
Table 1.2	Live Births by Race and Sex of Child, Guam:1993.....14
Table 1.3	Live Births by Birthplace of Mother and Place of Occurrence, Guam 1993.....15
Table 1.4	Live Births by Birthplace of Mother and Birthplace of Father, Guam: 1993.....16
Table 1.5	Live Births by Birthplace of Mother, Illegitimacy, and Ratio to Total Births, Guam:1993.....17
Table 1.6	Live Births Reallocated to Usual Residence of Mother, Birthplace of Mother and Birth Rate by Village, Guam: 1993.....18
Table 1.7	Live Births Reallocated to Usual Residence of Mother and Age of Mother, Guam: 1993.....19
Table 1.8	Live Births by Usual Residence of Mother of First Prenatal Visit, Guam: 1993.....20
Table 1.9	Live Births by Age of Mother and Age of Father, Guam: 1993.....21
Table 1.10	Live Births by Legitimacy, Sex, and Age of Mother, Guam: 1993.....22
Table 1.11	Live Births by Age of Father and Sex of Child, Guam:1993.....23
Table 1.12	Live Births by Month of First Prenatal Visit and Number of Children Born to Mother, Guam:1993.....24
Table 1.13	Live Births by Birth Order and Age of Mother, Guam:1993.....25
Table 1.14	Live Births by Type of Birth and Gestational Age, Guam: 1993.....25
Table 1.15	Live Births by Weight at Birth and Gestational Age, Guam: 1993.....26
Table 1.16	Live Births by Weight at Birth and Age of Mother, Guam: 1993.....27
Table 1.17	Live Births by Birth Weight and Birth Order, Guam:1993.....28
Table 1.18	Live Births by Birth Weight and Race of Mother, Guam: 1993.....29
Table 1.19	Live Births by Birth Weight and Month of First Prenatal Visits, Guam: 1993.....30
Table 1.20	Live Births by Number of Children Born to Mother and Education of Mother, Guam: 1993.....31
Table 1.21	Live Births by Number of Children Born to Mother and Education of Father, Guam: 1993.....32
Table 1.22	Live Births by Legitimacy, Sex of Child and Age of Mother, Guam: 1993.....33

Office of Vital Statistics

Table 1.23	Live Births by Age of Mother and Month of First Prenatal Visit, Guam: 1993.....	34
Table 1.24	Live Births by Age of Mother and Congenital Malformation, Guam: 1993.....	35
Table 1.25	Live Births by Age of Mother and Complication of Labor, Guam: 1993.....	36
Table 1.26	Live Births by Race and Age of Mother, Guam:1993.....	37
Table 1.27	Live Births by Race and Age of Mother (14 to 19 years), Guam: 1993.....	38
Table 1.28	Live Births by Race of Mother and Month of First Prenatal Visit, Guam: 1993.....	39
Table 1.29	Live Births by Race of Mother and Birthplace of Mother, Guam: 1993.....	40
Table 1.30	Live Births by Age and Race of Mother and by Military Status, Guam: 1993.....	41
Table 1.31	Live Births by Race of Mother and Military Status, Guam: 1993.....	42
Table 1.32	Illegitimate Live Births by Number of Children Born to Mother and Age of Mother, Guam: 1993.....	43
Table 1.33	Illegitimate Live Births by Birthplace and Age of Mother, Guam: 1993.....	44
Table 1.34	Illegitimate Live Births by Number of Children Born to Mother and Education of Mother, Guam: 1993.....	45
Table 1.35	Caesarean Deliveries by Place of Birth and Order, Guam: 1993.....	46
Table 1.36	Caesarean Deliveries by Race of Mother, Guam:1993.....	47
Table 1.37	Caesarean Deliveries by Birth Order, Guam: 1993..	48
Table 1.38	Caesarean Deliveries by Age of Mother, Guam:1993.....	49
Table 1.39	Caesarean Deliveries by Race of Mother and Age of Mother, Guam: 1993.....	50

MORTALITY

Table 2.1	Total Deaths by Sex and Percent, Guam: 1993.....	51
Table 2.2	Total Deaths by Place of Death, Percent and Sex, Guam: 1993.....	51
Table 2.3	Total Deaths by Month of Occurrence and Place, Guam: 1993.....	52
Table 2.4	Deaths by Place, Age and Sex, Guam: 1993.....	53
Table 2.5	Distribution of Deaths by Age, Guam: 1993.....	54
Table 2.6	Deaths by Age and Sex, Guam: 1993.....	55
Table 2.7	Deaths Reallocated to Usual Residence of Deceased at Time of Death and Death Rate by Village, Guam: 1993.....	56
Table 2.8	Deaths by Race, Age and Sex, Guam: 1993.....	57
Table 2.9	Deaths by Race, Age and Sex, Guam: 1993.....	58
Table 2.10	Deaths by Age, Race and Sex, Guam: 1993.....	59
Table 2.11	Deaths from Specific Cause by Age and Sex, Guam:1993.....	60
Table 2.12	Deaths from Specific Cause by Age and Sex, Guam:1993.....	61
Table 2.13	Deaths from Specific Cause by Age and Sex, Guam:1993.....	62
Table 2.14	Deaths by Race and Method of Disposition, and Whether Autopsy Performed, Guam: 1993	66

Office of Vital Statistics

Table 2.15	Deaths by Age, Marital Status, and Sex, Guam:1993.....	67
Table 2.16	Deaths by Age, Residence, and Sex, Guam: 1993....	68
Table 2.17	Deaths by Race, Sex, and Military Status, Guam:1993.....	69
Table 2.18	Deaths by Sex, Occupation, and Age, Guam: 1993....	70
Table 2.19	Infant Deaths by Month of Death, Guam: 1993.....	71
Table 2.20	Infant Deaths by Race of Mother and Month of First Prenatal Visit, Guam: 1993.....	72
Table 2.21	Infant Deaths by Race of Mother and Age of Mother, Guam: 1993.....	73
Table 2.22	Infant Deaths by Age, Sex, and Place of Birth, Guam:1993.....	74
Table 2.23	Infant Deaths by Age, Sex, and Place of Death, Guam:1993.....	75
Table 2.24	Infant Deaths by Selected Causes, Birth Weight, Sex, Age at Death, Guam: 1993.....	76
Table 2.25	Infant Deaths by Village and Cause of Death, Guam:1993.....	77
Table 2.26	Infant Deaths by Age of Mother and Month of First Prenatal Visit, Guam: 1993.....	78
Table 2.27	Infant Deaths by Age, Month of First Prenatal Visit and Sex, Guam: 1993.....	79
Table 2.28	Infant Deaths by Race of Mother and Age of Infant, Guam: 1993.....	80
Table 2.29	Fetal Deaths by Month and Sex, Guam: 1993.....	81
Table 2.30	Fetal Deaths by Race of Parents, Guam: 1993.....	82
Table 2.31	Fetal Deaths by Birth Order and Age of Mother, Guam 1993.....	83
Table 2.32	Fetal Deaths by Race and Age of Mother, Guam: 1993.....	84
Table 2.33	Fetal Deaths by Month of First Prenatal Visit and Gestational Age, Guam: 1993.....	85
Table 2.34	Fetal Deaths by Race of Mother and Gestational Age, Guam: 1993.....	86
Table 2.35	Deaths by Major Cardiovascular Disease by Sex and Age, Guam: 1993.....	87
Table 2.36	Accidental Deaths by Type and Month, Guam: 1993..	88
Table 2.37	Tuberculosis Deaths by Age, Sex, and Race, Guam:1993.....	89
Table 2.38	Motor Vehicles Fatalities, Guam: 1993.....	90
Table 2.39	Mortality. Ten Leading Causes of Death, Guam:1993.....	91

MARRIAGES

Table 3.1	Marriages by Month of Marriage, Guam: 1993.....	92
Table 3.2	Marriages by Place and Month of Occurrence, Guam:1993.....	93
Table 3.3	First Marriages by Age for Groom and Bride, Guam:1993.....	94
Table 3.4	Marriages by Age and Previous Marital Status of Bride, Guam: 1993.....	95
Table 3.5	Marriages by Age and Previous Marital Status of Groom, Guam: 1993.....	96
Table 3.6	Marriages by Birthplace of Bride and Groom, Guam:1993.....	97
Table 3.7	Marriages by Age and Previous Marital Status of Bride and Groom, Guam: 1993.....	98
Table 3.8	Marriages by Age of Groom and Bride, Guam: 1993..	99
Table 3.9	Marriages by Residence of Groom and Bride, Guam:1993.....	100

Office of Vital Statistics

Table 3.10	Marriages by Race of Groom and Race of Bride, Guam:1993.....	101
Table 3.11	Marriages by Age of Groom and Bride and Race of Groom and Bride, Guam: 1993.....	102

DIVORCE

Table 4.1	Divorces and Annulments by Month of Occurrence, Guam: 1993.....	103
Table 4.2	Divorces and Annulments by Number of Children Reported Under 18 Years of Age, Guam: 1993.....	104
Table 4.3	Divorces by Annulments by Age of Husband and Age of Wife, Guam: 1993.....	105
Table 4.4	Divorces and Annulments by Duration of Marriages and Age of Husband, Guam: 1993.....	106
Table 4.5	Divorces and Annulments by Duration of Marriage and Age of Wife, Guam: 1993.....	107
Table 4.6	Divorces and Annulments by Legal Grounds and Duration of Marriage, Guam: 1993.....	108
Table 4.7	Divorces and Annulments by Education of Husband and Education of Wife, Guam: 1993.....	109
Table 4.8	Divorces and Annulments by Race of Husband and Race of Wife, Guam: 1993.....	110
Table 4.9	Divorces Granted, Guam: 1993.....	111
Table 4.10	Residence of Groom by Residence of Bride, Guam:1993.....	112

APPENDIX

Map of Guam.....	113
Certificate of Live Birth.....	114
Certificate of Death.....	115
Certificate of Fetal Death.....	116
Certificate of Marriage.....	117
Certificate of Divorce and Annulments.....	118

FOREWORD

This volume is the 24th edition of the Annual Statistical Report prepared in booklet form.

The report, required under Section 3108 of 10 Government Code annotated, Chapter 3, shows data on Guam's births, deaths, infant 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 1993.

Records received in this office from the hospitals are carefully reviewed for inconsistencies and are queried when necessary. Statistics are compiled annually for the report and other studies when registration is complete.

It is hoped that this report will be useful to health data users. It provides it users with an overview of the health status of Guam's 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 errors, including errors by the informant as well as errors in processing and compilation. The most potentially dangerous error would be that of improper interpretation.

NATALITY - In 1993, 4409 babies were born, an increase of 195 from 1992. The crude birth rate -- the number of births per 1,000 population -- was 30.7.

There were 11 live births to mothers under 15 years old and four to mothers 45 years old and over. Women aged 15 to 44 years were responsible for 99.7 percent of all live births for the year. Teenagers -- those under the age 20 -- accounted for 615 births or 13.9 percent of all live births. The youngest mother giving birth in 1993 was 14 years old.

Out of a total of 4409 live births, 62.4 percent were born to women receiving prenatal care in the first trimester. The percent of mothers beginning care during the second trimester was 28.9. The percentage of women giving birth and receiving no prenatal care was 3.7 percent.

Education attainment of women varied with their age. Only 24.0 percent of mothers had less than a 12th grade education in 1993 compared to 25.5 percent in 1992. The proportion of mothers who had completed at least 4 years of college was 10.1 percent.

Birthweights of 5 pounds 8 ounces or less are defined as low birthweight births, an indicator of prematurity. In 1993, low birthweight births accounted for 8.2 percent of all births. The 171 low birthweight births to mothers between the ages of 15 and 24 was 3.9 percent of the births.

MORTALITY - The number of deaths occurring in 1993 came to a total of 576, a decrease of 9 from 1992. The crude death rate was 4.0 per 1,000 population as compared to 4.2 for 1993.

A total of 268 individuals who died in 1993 had been married. The percent for females was 34.0 percent, for males 54.1 percent. The proportion who were widowed at the time of death was greater for women (38.5 percent) than for men (10.1 percent).

The top three cause of death for the year were (1) Diseases of the Heart, (2) malignant neoplasms and (3) diabetes mellitus. The ranking of the first and second has remained the same since 1978.

The total number of infant deaths decreased from 43 in 1992 to 37 in 1993. The Infant Mortality Rate was 8.4 per 1,000 live births. There 50 fetal deaths with a rate of 11.3 per 1,000 live births.

The year ended with 10 victims of homicide, 26 suicides and 38 motor vehicle accidents. These three causes of death occurred mainly among men -- 9 cases or 64.3 percent of all homicides, 25 suicides (89.3 percent) and 20 motor vehicle deaths (76.9).

MARRIAGES - The year ended with 1559 marriages, 152 more than 1992. The 1993 rate was 11.2 per 1,000 population.

The greatest number of marriages occurred between brides within the 20 to 24 year age group with 525 marriages (32.8 percent) and grooms within the 20 to 24 year age group with 498 marriages (31.1 percent).

In 1993, the age group 20 to 24 was the most common age group for first marriages for both brides and grooms.

DIVORCES - The number of divorces granted went down from 870 in 1992 to 866 in 1993, an decrease of four cases, showing a rate of 6.0 per 1,000 population. There were 23 annulment processed.

Out of the total 866 persons who were granted divorces and annulments, 717 (82.8 percent) were between the ages of 25 and 34.

Sixty four divorces and annulments or 7.4 percent were dissolved under one year of marriage.

SUMMARY

Definitions

Since this report uses various terms and technical connotations, it is necessary to define them to aid the reader in correctly interpreting the data. The following terms and notes are listed to help:

Birth Weight	Weight of fetus or infant at time of delivery.
Live Birth	The complete expulsion or extraction from its mother or 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 Weight	Order number is equal to number of previous live births plus current birth.
Low-Weight	Birth wherein the weight is equivalent of 2,500 grams or less (5 lbs., 8 ozs.) regardless of the period of gestation.
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 as maternal conditions 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.
Natural Increase	The excess of births over deaths.
Perinatal Death	Neonatal deaths plus fetal deaths
Postneonatal Death	Death of a live born infant 28 to 364 days of age.
Underlying Cause of Death	That condition giving rise to the chain of events leading to death.

Rates

Crude Birth Rate	$\frac{\text{Total live births} \times 1,000}{\text{Total populations}}$
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	$\frac{\text{Live births minus deaths} \times 1,000}{\text{Total population}}$
Crude Divorce Rate	$\frac{\text{Total divorces} \times 1,000}{\text{Total population}}$
Infant Mortality Rate	$\frac{\text{Deaths under one year of age} \times 1,000}{\text{Total live births}}$
Fetal Mortality Rate	$\frac{\text{Total fetal deaths} \times 1,000}{\text{Total live births}}$
Neonatal Mortality Rate	$\frac{\text{Deaths less than 28 days} \times 1,000}{\text{Total live births}}$
Perinatal Mortality Rate	$\frac{\text{Total perinatal death} \times 1,000}{\text{Total live births plus fetal deaths}}$
Marriage Rate	$\frac{\text{Total marriages} \times 1,000}{\text{Total population}}$
Fertility Rate	$\frac{\text{Total live births} \times 1,000}{\text{Female population 15 to 44}}$
Maternal Mortality Rate	$\frac{\text{Total maternal deaths} \times 1,000}{\text{Total live births}}$
Low Weight Birth Rate	$\frac{\text{Total live births weighing less than 5 lbs} \times 1,000}{\text{Total live births}}$
Divorce Rate	$\frac{\text{Total divorces} \times 1000}{\text{Total Population}}$

Office of Vital Statistics

Comperative Summary of Vital Events, Guam: 1993.

Event	1991		1992		1993	
	Number	Rate	Number	Rate	Number	Rate
Live Births	3,921	28.7	4,214	30.1	4,409	30.7
Legitimate	2,364	602.9	2,473	586.9	2,443	554.1
Illegitimate	1,557	397.1	1,741	413.1	1,966	446.0
Deaths	607	4.4	585	4.2	576	4.0
Infant Deaths	36	9.5	43	10.2	37	8.4
Neonatal Deaths	23	5.9	17	4.0	21	4.8
Maternal Deaths	1	.3	1	.2	2	.5
Fetal Deaths	38	9.7	37	2.9	50	11.3
Marriages	1,442	10.5	1,477	10.6	1,599	11.2
Divorces	855	6.3	870	6.2	866	6.0
Population*	136,773		139,885		143,403	

Birth and death rates per 1,000 population. Infant, neonatal, maternal, and fetal death rates per 1,000 live births.

* Population estimates by the Office of Planning and Evaluation, DPHSS.

Office of Vital Statistics

Births and Deaths and Resultant Natural Increase, Guam: 1969 - 1993

Year	Births	Deaths	Natural Increase
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
1985	3197	441	2756
1986	3309	451	2858
1987	3355	486	2869
1988	3548	492	3056
1989	3565	544	3021
1990	3850	557	3293
1991	3921	607	3314
1992	4214	585	3629
1993	4409	576	3833

Birth and Deaths and Rates Per Thousand Population, Guam: 1973 - 1993.

Year	Births	Rate	Deaths	Rate	Population
1973	3,234	30.9	435	4.2	104,572
1974	3,226	29.2	449	4.1	110,294
1975	3,163	29.8	441	4.1	106,310
1976	3,048	27.3	466	4.2	111,599
1977	3,007	26.3	380	3.3	114,236
1978	2,903	24.9	424	3.6	116,741
1979	2,950	28.1	377	3.6	105,000
1980	3,003	28.4	422	4.0	105,830
1981	3,008	28.4	406	3.8	105,830
1982	2,992	27.5	443	4.1	108,700
1983	3,184	28.9	462	4.2	110,000
1984	3,067	25.6	450	3.8	119,899
1985	3,197	26.6	441	3.7	120,229
1986	3,309	26.7	451	3.6	123,845
1987	3,355	26.3	486	3.8	127,510
1988	3,548	27.4	492	3.8	129,306
1989	3,565	27.1	544	4.1	131,619
1990	3,850	28.9	557	4.2	133,152
1991	3,921	28.7	607	4.4	136,773
1992	4,214	30.1	585	4.2	139,885
1993	4,409	30.7	576	4.0	143,403

Ten Leading Causes of Death, Guam: 1993 - 1992.

Cause of Death	Code Number*	1993	Rank	1992	Rank
All Causes		576		585	
Disease of the Heart	390-429	129	1	136	1
Neoplasm	140-239	83	2	93	2
Cerebrovascular Disease	430-438	34	5	42	3
Other Disease of the Central Nervous System ALS/PD	332-3352			14	11
Diabetes Mellitus	250	51	3	42	4
All Other Accidents	E826-E949	25	7	29	5
Chronic Liver Disease and Cirrhosis	571	13	10	11	
Motor Vehicle Accidents	E810-E825	38	4	26	7
Pneumonia	480-487	16	8	19	8
Suicide	950-959	26	6	28	6
Homicide	E960-E978			14	10
Perinatal Conditions	760-779	14	9	14	10
Congenital Anomalies	740-759			5	
All Others		147		109	

* International Classification of Diseases, Ninth Revision
R Top ten ranking in that year.

Ten Leading Causes of Death, Guam: 1991 - 1990.

Cause of Death	Code Number*	1991	Rank	1990	Rank
All Causes		607		557	
Disease of the Heart	390-429	125	1	121	1
Neoplasm	140-239	75	2	83	2
Cerebrovascular Disease	430-438	52	3	34	3
Other Disease of the Central Nervous System ALS/PD	332-3352	17	9		
Diabetes Mellitus	250	30	6	31	5
All Other Accidents	E826-E949	33	5	26	6
Chronic Liver Disease and Cirrhosis	571	16	10	17	8
Motor Vehicle Accidents	E810-E825	39	4	38	3
Pneumonia	480-487	17	8		
Suicide	950-959	22	7	26	7
Homicide	E960-E978			16	10
Perinatal Conditions	760-779			16	9
Congenital Anomalies	740-759				
All Others		181		149	

* International Classification of Diseases, Ninth Revision
R Top ten ranking in that year.

Ten Leading Causes of Death, Guam: 1989 - 1988.

Cause of Death	Code Number*	1989	Rank	1988	Rank
All Causes		544		492	
Disease of the Heart	390-429	123	1	128	1
Neoplasm	140-239	66	2	91	2
Cerebrovascular Disease	430-438	30	6	28	3
Other Disease of the Central Nervous System ALS/PD	332-3352				
Diabetes Mellitus	250	33	5	26	4
All Other Accidents	E826-E949	38	3	18	6
Chronic Liver Disease and Cirrhosis	571	19	8	17	7
Motor Vehicle Accidents	E810-E825	34	4	16	9
Pneumonia	480-487	24	7	19	5
Suicide	950-959	16	9	14	10
Homicide	E960-E978	15	10	16	8
Perinatal Conditions	760-779				
Congenital Anomalies	740-759				
All Others		146		119	

* International Classification of Diseases, Ninth Revision
R Top ten ranking in that year.

Live Births by Month, Guam: 1988 - 1993.

Month of Birth	1993	1992	1991	1990	1989	1988
January	342	303	335	320	291	299
February	332	332	298	283	277	250
March	339	346	283	323	287	277
April	341	337	319	315	267	247
May	360	339	308	314	287	317
June	379	321	296	308	275	273
July	382	377	326	317	324	294
August	393	369	345	318	327	317
September	420	392	323	346	323	287
October	386	382	365	341	305	354
November	378	346	344	365	294	324
December	357	370	379	300	308	309

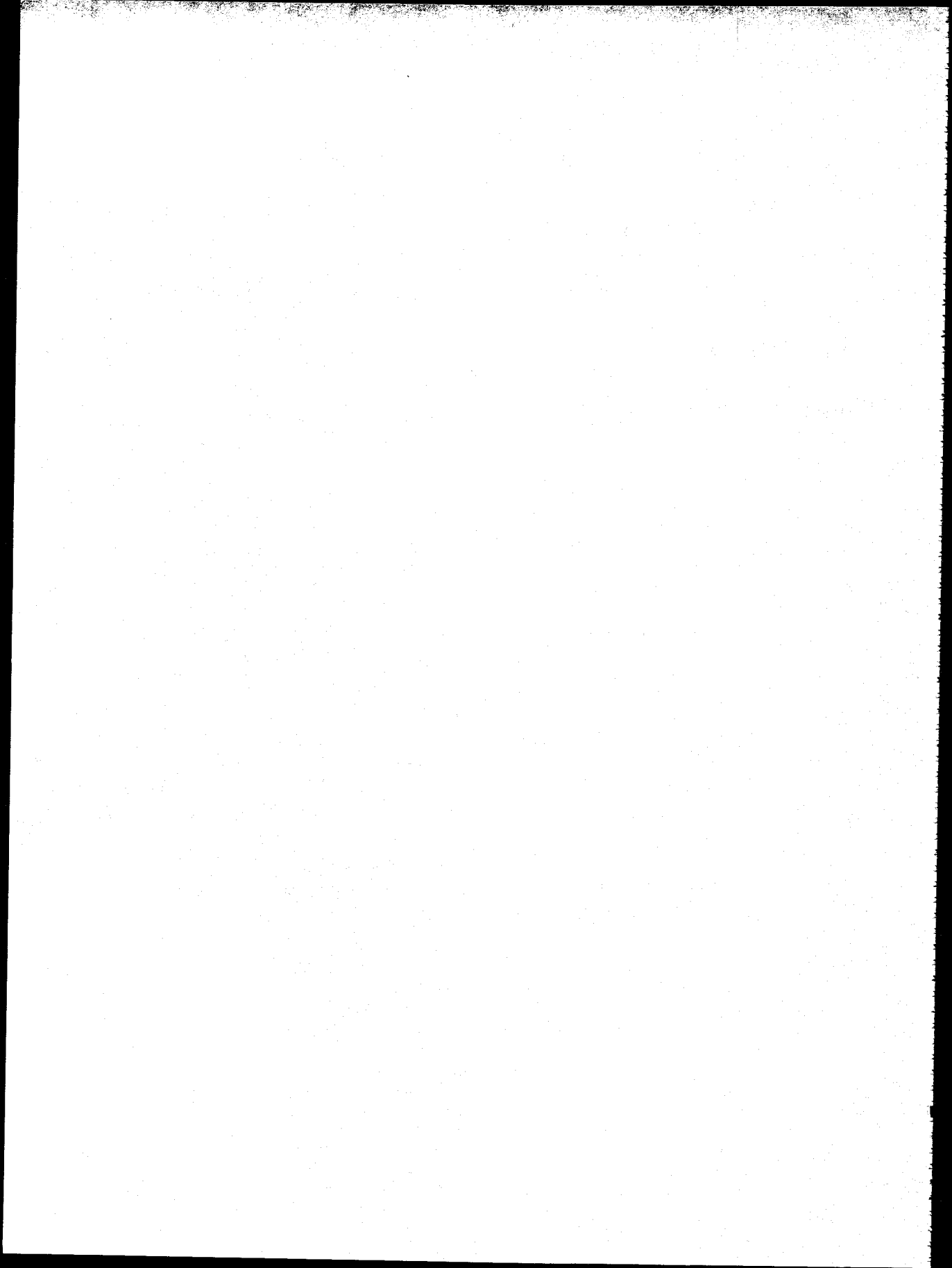
Live Births by Age of Mother: Guam: 1988 - 1993.

Age of Mother	1993	1992	1991	1990	1989	1988
Under 15	11	10	16	7	11	9
15 - 19	604	614	544	533	470	457
20 - 24	1,373	1,285	1,233	1,239	1,195	1,169
25 - 29	1,261	1,227	1,152	1,077	1,033	1,055
30 - 34	782	706	648	662	568	588
35 - 39	301	302	268	269	234	210
40 - 44	71	67	52	59	46	51
45 - 49	4	0	2	4	5	3
50 & Over	0	0	1	0	1	2
Not Reported	0	3	5	0	2	4

Office of Vital Statistics

**NATALITY
STATISTICS**

Department of Public Health & Social Services



Office of Vital Statistics

Table 1.1. Live Births by Month of Birth and Place of Occurrence,
Guam: 1993.

Month of Birth	Total	Place of Occurrence			
		Guam Memorial Hospital	Naval Hospital	Resi- dence	Other
Total	4,409	3,619	762	17	11
January	342	285	55	-	2
February.	332	270	61	1	-
March	339	267	69	2	1
April	341	291	49	-	1
May	360	297	59	4	-
June.	379	310	67	1	1
July.	382	317	63	1	1
August.	393	321	69	1	2
September	420	343	74	2	1
October	386	313	72	1	-
November.	378	307	68	2	1
December.	357	298	56	2	1

Table 1.2. Live Births by Race and Sex of Child, Guam: 1993.

Race of Child	Total	Sex of Child	
		Male	Female
Total	4,409	2,322	2,087
Guam-Chamorro	2,157	1,138	1,019
White	330	179	151
Filipino.	719	372	347
CNMI-Chamorro	12	8	4
FSM Micronesian	199	109	90
Marshallese	5	2	3
Palauan	27	10	17
Black	63	26	37
Japanese.	17	10	7
Korean.	46	29	17
Chinese	25	17	8
Other	809	422	387

Table 1.3. Live Births by Birthplace of Mother and Place of Occurrence, Guam: 1993.

Birthplace of Mother	Total	Place of Occurrence			
		Guam Memorial Hospital	Naval Hospital	Residence	Other
Total	4,409	3,619	762	17	11
Guam.	1,876	1,774	90	7	5
United States	706	308	397	1	-
Philippines	970	772	194	2	2
CNMI.	99	94	5	-	-
FSM	402	389	6	4	3
RMI	9	8	1	-	-
Palau	69	66	2	1	-
Japan	69	58	10	-	1
Korea	81	72	8	1	-
Other	128	78	49	1	-

Office of Vital Statistics

Table 1.4. Live Births by Birthplace of Mother and Birthplace of Father, Guam: 1993.

Birthplace of Mother	Total	Birthplace of Father										
		Guam	US	PI	CNMI	FSM	RMI	Pa-lau	Ja-pan	Ko-rea	Ot-her	Not Rpt
Total	4,409	1,349	861	762	69	215	6	30	39	50	124	904
Guam	1,876	1,018	181	82	43	10	-	9	7	-	24	502
United States. . .	706	153	401	20	5	2	-	-	6	1	33	85
Philippines. . . .	970	87	163	633	3	2	-	-	8	2	13	59
CNMI	99	31	7	9	12	4	-	1	1	1	-	33
FSM.	402	13	13	2	3	195	-	4	-	-	3	169
RMI.	9	1	-	-	-	-	5	-	-	-	1	2
Palau.	69	11	10	-	2	2	1	15	1	-	-	27
Japan.	69	15	20	9	-	-	-	-	14	-	6	5
Korea.	81	7	13	3	-	-	-	-	1	46	3	8
Other.	128	13	53	4	1	-	-	1	1	-	41	14

Table 1.5. Live Births by Birthplace of Mother, Illegitimacy, and Ratio to Total Births, Guam: 1993.

Birthplace of Mother	Total	Legitimacy				Number of Total Births Per Illegitimate Births	
		Legitimate		Illegitimate		Male	Female
		Male	Female	Male	Female		
Total	4,409	1,297	1,146	1,025	941	4.3	4.7
Guam	1,876	364	319	626	567	3.0	3.3
United States. . .	706	272	251	91	92	7.8	7.7
Philippines. . . .	970	420	405	79	66	12.3	14.7
CNMI	99	14	13	44	28	2.3	3.5
FSM.	402	83	62	130	127	3.1	3.2
RMI.	9	2	-	2	5	4.5	1.8
Palau.	69	8	10	25	26	2.8	2.7
Japan.	69	32	22	9	6	7.7	11.5
Korea.	81	43	26	5	7	16.2	11.6
Other.	128	59	38	14	17	9.1	7.5
Not Reported . . .	-	-	-	-	-	-	-

Office of Vital Statistics

Table 1.6. Live Births Reallocated to Usual Residence of Mother, Birthplace of Mother, and Birth Rate by Village, Guam: 1993.

Usual Residence of Mother	Total	Birthplace of Mother											Birth Rate*	Popula-tion**
		Guam	US	PI	CNMI	FSM	RMI	Pa-lau	Ja-pan	Ko-rea	Ot-her			
Total	4,409	1,876	706	970	99	402	9	69	69	81	128	30.7	143,403	
Civilian Areas	3,863	1,860	390	816	93	399	9	69	63	76	88	31.5	122,525	
Agana	39	11	6	4	1	15	-	1	1	-	-	31.7	1,231	
Agana Heights	90	53	10	8	2	12	-	1	2	-	2	26.0	3,458	
Agat	182	131	14	22	4	7	2	-	1	-	1	34.2	5,319	
Asan/Maina	53	32	12	2	1	3	-	-	2	1	-	32.4	1,634	
Barrigada	211	123	25	33	3	10	1	4	-	8	4	29.1	7,242	
Chalan Pago	177	107	27	22	5	10	-	-	2	2	2	35.4	4,995	
Dededo	1,073	420	65	401	27	83	-	17	18	17	25	33.1	32,425	
Inarajan	80	60	5	1	3	8	-	-	-	-	3	30.5	2,619	
Mangilao	337	154	28	47	12	65	2	15	5	2	7	31.3	10,758	
Merizo	67	57	7	1	-	2	-	-	-	-	-	37.9	1,768	
Mongmong/ Toto/Maite	206	91	17	17	11	45	-	8	1	13	3	36.5	5,646	
Piti	44	19	12	5	-	4	-	2	-	-	2	22.7	1,941	
Santa Rita	106	60	26	10	2	2	1	1	1	-	3	27.4	3,869	
Sinajana	105	67	15	8	3	6	-	2	1	1	2	38.7	2,716	
Talofof	83	63	9	4	2	3	-	-	-	-	2	34.3	2,418	
Tamuning/Tumon	380	99	49	98	3	41	2	10	24	30	24	21.3	17,852	
Umatac	39	26	4	1	2	5	-	-	1	-	-	40.7	958	
Yigo	391	147	44	119	7	56	1	5	4	2	6	39.4	9,917	
Yona	200	140	15	13	5	22	-	3	-	-	2	34.7	5,759	
Military area	541	16	316	153	3	3	-	-	6	5	39	25.9	20,878	
All others	5	-	-	1	3	-	-	-	-	-	1	-	-	

* Per 1,000 Population

** Estimates by the Office of Planning and Evaluation, DPHSS, Government of Guam.

NOTE: Military area population includes armed forces active duty personnel and dependents living on military bases. Military population living off-base is included in the civilian municipality population.

Office of Vital Statistics

Table 1.7. Live Births Reallocated to Usual Residence of Mother and Age of Mother, Guam: 1993.

Usual Residence of Mother	Total	Age of Mother							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Total	4,409	11	604	1,373	1,261	782	301	73	4
Civilian Areas	3,863	11	589	1,173	1,084	674	262	66	4
Agana	39	-	5	10	14	6	4	-	-
Agana Heights	90	-	10	36	21	16	6	1	-
Agat	182	-	32	65	34	30	17	4	-
Asan/Maina	53	-	3	13	16	13	6	2	-
Barrigada	211	-	41	65	50	39	11	5	-
Chalan Pago	177	-	32	51	40	36	15	3	-
Dededo	1,073	1	145	319	332	178	74	22	2
Inarajan	80	1	19	24	21	12	3	-	-
Mangilao	337	-	48	103	97	55	30	4	-
Merizo	67	1	18	22	16	7	3	-	-
Mongmong/ Toto/Maite	206	1	30	66	59	35	14	1	-
Piti	44	2	6	12	10	9	4	1	-
Santa Rita	106	-	21	40	33	9	2	-	1
Sinajana	105	1	14	33	32	18	4	3	-
Talofof	83	1	18	29	15	13	4	3	-
Tamuning/Tumon	380	-	29	102	135	83	21	10	-
Umatac	39	1	9	16	7	2	3	1	-
Yigo	391	2	66	113	109	69	28	3	1
Yona	200	-	43	54	43	44	13	3	-
Military Area	541	-	15	199	175	107	39	6	-
All Others	5	-	-	1	2	1	-	1	-

Office of Vital Statistics

Table 1.8. Live Births by Usual Residence of Mother and Month of First Prenatal Visit, Guam: 1993.

Usual Residence of Mother	Total	Month of First Prenatal Visit								
		1st	2nd	3rd	4th	5th	6th	7th	8th/ 9th	None
Total	4,409	799	978	976	567	404	302	143	79	161
Civilian Areas	3,863	746	837	780	472	375	286	134	73	160
Agana	39	4	5	13	2	5	3	2	2	3
Agana Heights	90	25	19	18	7	9	4	2	2	4
Agat	182	27	46	33	25	17	14	11	3	6
Asan/Maina	53	13	10	8	8	2	4	4	1	3
Barrigada	211	43	52	39	21	24	16	6	2	8
Chalan Pago	177	45	41	40	16	13	9	6	3	4
Dededo	1,073	195	234	206	150	109	74	38	17	50
Inarajan	80	11	12	16	14	8	8	4	3	4
Mangilao	337	62	67	79	40	33	31	10	5	10
Merizo	67	11	17	10	10	9	5	-	-	5
Mongmong/ Toto/Maite	206	24	46	37	20	32	22	7	5	13
Piti	44	13	12	10	2	-	2	-	3	2
Santa Rita	106	20	17	30	17	7	8	4	1	2
Sinajana	105	21	24	23	11	6	6	1	4	9
Talofoto	83	13	12	16	12	14	7	1	4	4
Tamuning/Tumon	380	87	97	72	44	22	25	15	7	11
Umatac	39	4	5	8	5	5	4	4	2	2
Yigo	391	89	76	81	44	46	23	11	6	15
Yona	200	39	45	41	24	14	21	8	3	5
Military area	541	51	140	196	94	28	16	9	6	1
All Others	5	2	1	-	1	1	-	-	-	-

Table 1.9. Live Births by Age of Mother and Age of Father, Guam: 1993.

Age of Mother	Total	Age of Father							Not Rpt
		15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
Total	4,409	142	759	1,025	886	389	192	109	907
Under 15	11	2	1	-	-	-	1	-	7
15 - 19	604	107	135	30	12	3	3	-	314
20 - 24	1,373	28	484	364	145	27	22	12	291
25 - 29	1,261	3	111	482	355	104	37	15	154
30 - 34	782	-	23	129	310	143	48	33	96
35 - 39	301	2	5	18	54	102	54	31	35
40 - 44	73	-	-	2	10	10	26	15	10
45 & Over	4	-	-	-	-	-	1	3	-

Table 1.10. Live Births by Legitimacy, Sex, and Age of Mother, Guam: 1993.

Legitimacy and Sex	Total	Age of Mother							
		Under 15	15- 19	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49
Total	4,409	11	604	1,373	1,261	782	301	73	4
Legitimate	2,443	-	63	632	883	573	232	57	3
Male	1,297	-	31	332	454	315	125	39	1
Female	1,146	-	32	300	429	258	107	18	2
Illegitimate	1,966	11	541	741	378	209	69	16	1
Male	1,025	6	293	363	196	113	44	10	-
Female	941	5	248	378	182	96	25	6	1

Table 1.11. Live Births by Age of Father and Sex of Child,
Guam: 1993.

Age of Father	Total	Sex of Child	
		Male	Female
Total	4,409	2,322	2,087
Under 20	142	80	62
20 - 24.	759	392	367
25 - 29.	1,025	521	504
30 - 34.	886	458	428
35 - 39.	389	219	170
40 - 44.	192	106	86
45 - 49.	65	40	25
50 - 54.	19	9	10
55 - 59.	14	8	6
60 - 64.	6	4	2
65 & Over.	5	1	4
Not Reported	907	484	423

Office of Vital Statistics

Table 1.12. Live Births by Month of First Prenatal Visit and Number of Children Born to Mother, Guam: 1993.

Month of First Prenatal Visit	Total	Number of Children Born to Mother										
		1	2	3	4	5	6	7	8	9	10 or More	Not Rpt
Total	4,409	1,568	1,278	757	404	211	86	42	24	16	21	2
1st Month.	799	283	270	147	55	24	14	-	2	1	3	-
2nd Month.	978	385	284	177	81	30	12	2	3	3	1	-
3rd Month.	976	393	269	172	91	25	11	9	3	-	2	1
4th Month.	567	212	156	95	44	32	12	7	5	-	3	1
5th Month.	404	131	121	56	40	31	11	7	3	1	3	-
6th Month.	302	73	87	47	47	25	10	6	2	2	3	-
7th Month.	143	39	31	21	23	15	6	4	-	2	2	-
8th/9th Month.	79	20	21	15	6	4	4	4	1	3	1	-
None	161	32	39	27	17	25	6	3	5	4	3	-
Not Reported	-	-	-	-	-	-	-	-	-	-	-	-

Percentages *

First 3 Months.	62.4	67.7	64.4	65.5	56.2	37.4	43.0	26.2	33.3	25.0	28.6	50.0
First 6 Months.	91.3	94.2	92.9	91.7	88.6	79.1	81.4	73.8	75.0	43.8	71.4	100.0
Without Visit	3.7	2.0	3.1	3.6	4.2	11.8	7.0	7.1	20.8	25.0	14.3	-

* Percentages exclude cases for which the month of first prenatal visit was unknown.