

# PHILIPPINE HEALTH STATISTICS

1988

HEALTH INTELLIGENCE SERVICE  
DEPARTMENT OF HEALTH  
MANILA

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Republic of the Philippines  
Department of Health

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**OFFICE OF THE SECRETARY**

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**F O R E W O R D**

The Department of Health, through the Health Intelligence Service, is pleased to present the 1988 edition of the PHILIPPINE HEALTH STATISTICS. This report is one of the regular reports on Health Statistics that are used for official research and academic use.


This report presents the definitive collection of statistical data on Births, Deaths, Fetal Deaths and Notifiable Diseases registered and reported during the year 1988. The data in this report come from essentially two sources. Since 1973, data on births and deaths including fetal deaths as well as population estimates were provided by the Office of the Civil Registrar General and the National Census and Statistics Office (now called the National Statistics Office). Data on Notifiable Diseases were collected through field units and offices of the Department of Health. The data from these two sources have been consolidated, summarized, sorted, analyzed and interpreted for ease of use. Tables and graphs were also constructed for easier understanding.

This report is organized and presented as follows:

1. Introduction: Sources, Classification, Analysis and Interpretation of Data.
2. Natality Statistics: Text by subject and related tables, graphs and diagrams.
3. Notifiable Diseases: Text by subject and related tables, trends of cases and deaths.
4. Mortality Statistics: Total, infant, maternal and fetal: Text by subject and related tables, graphs and diagrams.

It is hoped that this 1988 Report of Philippine Health Statistics will be useful as a basic statistical reference for the planning, evaluation and review of health policies, programs and activities.

Grateful acknowledgements are due to the National Statistics Office for the collaboration and support extended specifically in the provision of vital statistical data, and to all field health officers throughout the country for their active participation in the collection of mortality and morbidity data on Notifiable Diseases. Likewise, appreciation is extended to the staff and personnel of the Health Intelligence Service in the preparation of this report.

  
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Secretary of Health

January 11, 1991

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TABLE OF CONTENT

<b>I.</b>	<b><u>INTRODUCTION</u></b>	<b><u>PAGE</u></b>
A.	Sources of Data - - - - -	1
	Livebirth, Death and Fetal Death Statistics - -	1
	Notifiable Diseases Statistics - - - - -	1
	Population Statistics - - - - -	1
B.	Classification of Data - - - - -	2
C.	Analysis and Interpretation of Data - - - - -	3
 <b>II.</b>	 <b><u>GENERAL TABLES</u></b>	
A.	<b><u>TABLES</u></b>	
	1. Estimated Population By Sex, Philippines, 1938 - 1988 - - - - -	6
	2. Estimated Population By Health Region, Province and City, Philippines, 1988 - - - -	8
	3. Estimated Population, No. & Percent Distribution By Age & Sex, Philippines, 1988 - - - - -	10
	4. Livebirths, Total Deaths, Deaths Under 1 Year, Maternal Deaths and Fetal Deaths, Philippines, 1938-1988 - - - - -	12
	5. Livebirths, Total Deaths: Infant, Fetal and Maternal Deaths, By Health Region, Province and City, No. & Rate, Philippines, 1988 - - - - -	15
	6. Livebirths, total Deaths, Infant & Maternal Deaths By Month of Occurrence, No. & Percent Distribution, Philippines, 1988 - - - - -	19
	7. Total Livebirths, Female Population (15-49 Years) and Fertility Rates, By Health Region, Philippines, 1988 - - - - -	21
B.	<b><u>FIGURES</u></b>	
	1. Philippine Health Picture, 1938-1988 - - - -	5
	2. Estimated Population, Philippines, 1938 - 1988 - - - - -	7
	3. Estimated Population By Age and Sex, Philippines, 1988 - - - - -	11

## II

	<u>PAGE</u>
4. Crude Birth and Death Rates, Philippines, 1938 - 1988 - - - - -	13
5. Infant and Maternal Death Rates, Philippines, 1938 - 1988 - - - - -	14

### III. NATALITY STATISTICS

#### A. TABLES

8. Livebirths By Sex and Health Region, Province and City, Philippines, 1988 - - - -	26
9. Frequency Distribution of Livebirths By Attendance, Health Region, Province and City, Philippines, 1988 - - - - -	31
10. Percentage Distribution of Livebirths By Attendance, Health Region, Province and City, Philippines, 1988 - - - - -	35
11. Livebirths By Age of Mother and Sex, Philippines, 1988 - - - - -	39
12. Livebirths By Age of Mother and Number of Living Issues, Philippines, 1988 - - - -	41

#### B. FIGURES

6. Health Indices By Month of Occurrence, Percent Distribution, Philippines, 1988 - - -	20
7. Fertility Rate By Health Region, Philippines, 1988 - - - - -	22
8. Births By Attendance, Philippines, 1988 - - -	30
9. Livebirths, By Age of Mother and Sex, No. & Percentage Distribution, Philippines, 1988 - - - - -	40
10. Morbidity: Leading Causes, Rate/100,000 Population, Philippines, 5-Year Average (1983-1987) & 1988 - - - - -	46

### IV. NOTIFIABLE DISEASES

#### A. TABLES

13. Morbidity: Ten (10) Leading Causes, No. & Rate /100,000 Population, Philippines, 5-Year Average (1983-1987) & 1988 - - - - -	45
14. Morbidity: Ten (10) Leading Causes, By Health Region, No. & Rate/100,000 Population, Philippines, 1988 - - - - -	47
15. Notifiable Diseases: Reported Cases & Deaths By Age & Sex, No. & Rate/100,000 Population, Philippines, 1988 - - - - -	51
16. Notifiable Diseases: Reported Cases & Deaths By Health Region, Province & City, No. & Rate/100,000 Population, Philippines, 1988 -	74

	<u>PAGE</u>
17. Notifiable Diseases: Reported Cases and Expected (Quartile) Limits of Occurrence, By Week, Philippines, 1988 - - - - -	122
18. Notifiable Diseases: Reported Cases and Deaths, No. & Rate/100,000 Population, Philippines, 1938 - 1988 - - - - -	132

V. MORTALITY STATISTICS

A. TABLES

19. Mortality: All Causes By Age & Sex, No. & Rate/100,000 Population and Percentage Distribution, Philippines, 1988 - - - - -	159
20. Mortality: All Causes By Sex and Health Region, No. & Rate/1,000 Population and Percentage Distribution, Philippines, 1988- - - - -	161
21. Mortality: All Causes By Age & Sex and Health Region, No. & Rate & Percentage Distribution, Philippines, 1988 - - - - -	163
22. Mortality: Ten (10) Leading Causes, No. & Rate/100,000 Population, Philippines, 5-Year Average (1983-1987) and 1988 - - - - -	170
23. Mortality: Leading Causes By Attendance, No. & Percent Distribution, Philippines, 1988 - - - - -	173
24. Mortality: By Attendance, Health Region, Province & City, No. & Percentage Distribution, Philippines, 1988 - - - - -	175
25. Mortality: 150 Cause-Groups By Age & Sex, No. & Rate/100,000 Population, Philippines 1988 - - - - -	179
26. Mortality: 17 Cause-Groups, No. & Rate/100,000 Population, Philippines, 1988 - - - - -	229
27. Mortality: Communicable Diseases, Malignant Neoplasms and Diseases of the Heart, No. & Rate/100,000 Population, Philippines, 1988- - - - -	230
28. Mortality: Ten (10) Leading Causes, No. & Rate/100,000 Population, Philippines, 1968, 1978 and 1988 - - - - -	232
29. Infant Mortality: By Smaller Age Group, No. & Rate/1,000 l.b. and Percentage Distribution, Philippines, 5-Year Average (1983-1987) and 1988 - - - - -	234
30. Infant Mortality: Ten (10) Leading Causes, No. & Rate/1,000 l.b. and Percentage Distribution, Philippines, 5-Year Average (183-1987) and 1988 - - - - -	237



# IV

	<u>PAGE</u>
31. Maternal Mortality: By Main Cause, No. & Rate/1,000 l.b. and Percentage Distribution, Philippines, 1988 - - - - -	239
32. Maternal Deaths: By Age of Mother and Health Region, No. & Rate/1,000 l.b. and Percentage Distribution, Philippines, 1988 - - - - -	241
33. Fetal Mortality: By Cause & Attendance, No. & Percentage Distribution, Philippines, 1988- -	246
34. Fetal Deaths: By Cause and Birth Weight, No. & Percentage Distribution, Philippines, 1988 - - - - -	249
35. Late Fetal Deaths, By Age of Mother and Birth Order, Philippines, 1988 - - - - -	253
36. Fetal Deaths: No. & Percentage Distribution, By Cause and Period of Gestation, Philippines, 1988 - - - - -	254
37. Fetal Deaths: By Age of Mother and Birth Order, No. & Rate/1,000 l.b., Philippines, 1988 - -	257
38. Fetal Deaths By Cause, No. & Percentage Distribution, Philippines, 1988 - - - - -	260

## B. FIGURES

11. Typhoid and Paratyphoid Fever and Other Salmonella Infections: Morbidity and Mortality Trends, Rate/100,000 Population, 1968-1988 - -	143
12. Diarrheas and Tuberculosis, All Forms: Morbidity and Mortality Trends, Rate/100,000 Population, 1968-1988 - - - - -	144
13. Leprosy and Diphtheria: Morbidity & Mortality Trends, Rate/100,000 Population, 1968-1988 - -	145
14. Whooping Cough and Tetanus: Morbidity and Mortality Trends: Rate/100,000 Population, 1968-1988 - - - - -	146
15. Acute Poliomyelitis and Varicella: Morbidity & Mortality Trends, Rate/100,000 Population, 1968-1988 - - - - -	147
16. Measles and H-Fever: Morbidity & Mortality trends, Rate/100,000 Population, 1968-1988 - -	148
17. Infectious Hepatitis and Malaria: Morbidity & Mortality Trends, Rate/100,000 Populatio, 1968-1988 - - - - -	149
18. Gonococcal Infection and Syphilis: Morbidity & Mortality Trends, Rate/100,000 Population, 1968-1988 - - - - -	150
19. Schistosomiasis and Filariasis: Morbidity & Mortality Trends, Rate/100,000 Population, 1968-1988 - - - - -	151

20. Malignant Neoplasms and Bronchitis: Morbidity and Mortality Trends, Rate/100,000 Population, 1968-1988 - - - - -	152
21. Pneumonias and Influenza: Morbidity and Mortality Trends, Rate/100,000 Population 1968-1988 - - - - -	153
22. Total Mortality: All Causes By Age, Rate/ 1,000 Population, Philippines, 1988 - - - - -	160
23. Mortality: All Causes By Health Region, Percent Distribution, Philippines, 1988 - - -	162
24. Total Mortality: Leading Causes, Rate/ 100,000 Population, Philippines, 5-Year Average (1983-1987) and 1988 - - - - -	171
25. Total Mortality: Leading Causes, Percentage Distribution, Philippines, 1988 - - - - -	172
26. Mortality: Leading Causes By Attendance, Percent Distribution, Philippines, 1988 - - -	174
27. Mortality Trend: Communicable Diseases, Malignant Neoplasms and Diseases of the Heart, Rate/100,000 Population, Philippines, 1938-1988 - - - - -	231
28. Mortality: Leading Causes, Rate/100,000 Population, Philippines, 1968, 1978 and 1988 - - - - -	233
29. Infant Deaths: By Smaller Age-Group, Percentage Distribution, Philippines, 1988 - -	235
30. Infant Mortality: Neonatal and Post- Neonatal Death Rates, Philippines, 1988 - - -	236
31. Infant Mortality: Leading Causes, Rate/1,000 l.b., Philippines, 5-Year Average (1983-1987) and 1988 - - - - -	238
32. Maternal Deaths: By Main Cause, Percent distribution, Philippines, 1988 - - - - -	240
33. Fetal Mortality: By Attendance, Percentage Distribution, Philippines, 1988 - - - - -	248
34. Fetal Deaths: By Period of Gestation, Percentage Distribution, Philippines, 1988 - -	256
35. Fetal Mortality: By Age of Mother, Rate/ 1,000 l.b., Philippines, 1988 - - - - -	259



## I N T R O D U C T I O N

### A. SOURCES OF DATA

1. Live Birth, Death and Fetal Death Statistics - Effective March, 1973 a collaborative program was drawn with the National Census and Statistics Office (NCSO) now National Statistics Office (NSO) whereby that Office shall provide basic tabulation on births and deaths thereby making it possible for the Health Intelligence Service to discontinue its collection and mechanical processing of such data. Raw data on births, deaths and fetal deaths were taken from the said Office. The basis of the registration of vital events is Act No. 3753 otherwise known as the Civil Registry Law. By virtue of Commonwealth Act 591, the Director of the Bureau of Census and Statistics (now the Administrator of the National Statistics Office) concurrently is the Civil Registrar-General and all local civil registrars are under his supervision. In the cities, the local civil registrars are the officials designated in their respective city charters generally the City Health Officers, while in regular municipalities and municipal districts, the local civil registrars are the municipal treasurers and municipal district treasurers, respectively. Each vital event is registered in the office of the civil registrar of the locality where the event occurred and a copy of each document is sent to the Office of the Civil Registrar-General within the first ten days of the succeeding month.

2. Notifiable Diseases Statistics - Data on Notifiable Diseases based on information gathered by field health personnel. The Law on Reporting of Notifiable Diseases (Act 3573) provides that any cases of Notifiable Diseases shall be reported immediately to the nearest health officer. All field health officers by means of established reporting mechanism (Memorandum Order No. 51-a.s. 1960) submit through the Provincial and City Health Officers, collective morbidity reports (HIS Form No. 3) weekly to the Health Intelligence Service where such data received are then edited, classified, compiled, analyzed and interpreted.

3. Population Statistics - The official population estimates since 1931, as computed by the National Statistics Office, using the geometric method, are presented in this report. This bases for the yearly population figures are the censuses of 1918, 1939, 1948, 1960, 1970, 1975 and 1980. The 1987 population for the Philippines and its region, province and city were estimated from the 1985 census which indicated an annual rate of increases of 2.4%.

## B. CLASSIFICATION OF DATA

Classification of health statistics and population statistics must be made according to the similarly defined system and tabulated in comparable groups in order to make use of the principal value of both data. Thus, variables common to both, i.e., geographic area, age and sex have been similarly classified and tabulated in this report.

1. Geographic Classification - Livebirths; deaths from all causes; infant, maternal and fetal deaths; and data on notifiable diseases have been classified by place of occurrence-region, province and city - the first being a geographical division created as a result of the reorganization of the Department of Health and other two being political divisions of the country. There are thirteen (13) regions, seventy five (75) provinces and sixty (60) cities. There is no classification of the place of occurrence as to whether it is rural or urban because of the lack of standard criteria.

2. Age - There is no valid information with regard to the accuracy of age of a reported morbid case. Regarding the registered deaths; the age of deceased is fully determined by the date of birth. However, some of the vital records are filled with the age not recorded or the data of birth not indicated. Thus, misstatement of age on vital records maybe assumed to some degree. The age classification used in this report is consistent with those recommended for international use by the World Health Organization.

3. Diseases and Causes of Deaths - Morbidity and mortality Statistics published by the Department of Health are classified and tabulated in accordance with the International Classification of Diseases, Injuries and Causes of Death, 9th Revision. In this report, the 3-digit classification was used for morbidity as well as for total mortality statistics, while the 2-digit classifications was used for fetal deaths.

4. Sex - Classification by sex is made in relation to other factors such as age, nationality, date and place of occurrence. Thus, some tabulations presented in this report maybe considered as four-fold tables with sex as one of the attributes of classifications.

### C. ANALYSIS AND INTERPRETATION OF DATA

Health statistics are very useful for a variety of administrative and research purposes. However, they can not correctly be interpreted unless pertinent qualifying factors, aside from the method of classification, are taken into consideration.

Some of the factors limiting the use of statistical data emanate from discrepancies in the original records or from the impracticability of tabulating these data in very detailed items. While these defects do exist, nevertheless, the value of these data for original purposes is indispensable. The exact evaluation of health statistics or the analysis of small differences necessitates careful study of a variety of related elements. However, the major trends and differences may not be altered materially by finer analysis.

1. Small Frequencies - The number of births and deaths reported for an area or community, or the number of ailments, represents complete counts of such events. Such being the case, they are not subject to sampling errors although they are subject to errors in the registration process or reporting system. When data is used for analytical purposes, as for example, the comparison of rate over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have risen under the same circumstances. In accordance with certain statistical assumptions, the probable range of values may be estimated from the actual figures.

2. Computation of Statistical Indices - In the computation of statistical indices for the Philippines and each health region, province and city, the standard formula are used. Thus, the crude birth and death rates are per 1,000 population; the infant, neonatal, maternal and fetal death rates are per 1,000 livebirths; and the specific diseases morbidity and mortality rates classified either by age, age and sex are per 100,000 population.

3. Completeness of Registration and Notification - In the Philippines, although the law provides for a compulsory registration of births, deaths and fetal deaths (Act. 3753) and the reporting of Notifiable Diseases (Act 3573) there are deficiencies in the observance of the Law due to a variety of factors.

Tests for completeness of birth and death registration made in 1956 in the province of Nueva Ecija, indicated an under registration of births by more than 30% and deaths by more than 10% for the whole province. A more recent and more extensive survey on the completeness of death registration in all provinces (32) and cities (18) of Health Regions 1, 2, 3, and 4, and one province each in Regions 5 and 6 was conducted in 1961-1962. This revealed that of the randomly selected names of persons buried in cemeteries in more recent years (1959-1962), 27.3% do not appear in the Death Registers of the Local Civil Registrars.

In view of the limited scope of these two studies the percentage of underregistration cannot be made to apply on a nationwide basis. Corrections for underregistration may only be made after the latter survey has been completed for the whole country. At any rate, it is grossly evident that incomplete registration of births, deaths and fetal deaths is still a problem in many areas in the country.

Completeness in the reporting of Notifiable Diseases varies greatly by disease and by area. In general, and from all indications, reporting is apparently incomplete.

4. Population Bases - In order to insure statistical comparability, the vital and health statistical indices presented in this report of the Philippines and each health regions, province and city were computed using the official population estimates of the National Statistics Office, which were based on the latest census enumeration.

5. Allocation of Vital Events - All data in this report were tabulated according to place of occurrence and not by place of residence. Philippine laws provide that all vital events and cases of notifiable diseases must be registered and reported, respectively, by place of occurrence.

# PHILIPPINE HEALTH PICTURE 1938-1988









	<p>POPULATION INCREASED FROM 15,813,600 TO 58,721,307 271.3 % INCREASE</p>
	<p>CRUDE BIRTH RATE DECLINED FROM 32.4 TO 26.7 17.6 % DECREASE</p>
	<p>CRUDE DEATH RATE DECLINED FROM 16.6 TO 5.5 66.9 % DECREASE</p>
	<p>INFANT DEATH RATE DECLINED FROM 139.0 TO 30.1 78.3 % DECREASE</p>
	<p>MATERNAL DEATH RATE DECLINED FROM 6.7 TO 1.1 83.6 % DECREASE</p>
	<p>NEONATAL DEATH RATE* DECLINED FROM 42.0 TO 13.0 69.0 % DECREASE</p>
	<p>TUBERCULOSIS DEATH RATE DECLINED FROM 231.1 TO 46.0 80.1 % DECREASE</p>
	<p>LIFE EXPECTANCY AT BIRTH MALE-62.7 YRS. FEMALE-66.6 YRS. BOTH SEXES-64.6 YRS.</p>
<p>* Since 1950</p>	

Fig. 1

TABLE 1

ESTIMATED POPULATION BY SEX  
PHILIPPINES, 1930 - 1908

6

Y E A R	B O T H S E X E S	M A L E	F E M A L E
1988.....	58,721,307	29,486,542	29,234,765
1987.....	57,356,042	28,795,983	28,560,059
1986.....	56,094,130	28,112,404	27,981,726
1985.....	54,668,332	27,437,246	27,231,086
1984.....	53,192,708	26,699,705	26,493,003
1983.....	51,973,651	26,091,773	25,881,878
1982.....	50,789,065	25,475,273	25,313,792
1981.....	49,533,022	24,846,275	24,686,747
1980.....	48,316,503	24,231,626	24,084,877
1979.....	46,596,400	23,150,500	23,445,900
1978.....	45,526,500	22,627,700	22,898,800
1977.....	45,005,300	22,412,700	22,592,600
1976.....	43,751,300	21,744,400	22,006,900
1975.....	42,517,300	21,169,400	21,347,900
1974.....	41,457,100	20,645,600	20,811,500
1973.....	40,219,000	20,030,000	20,189,000
1972.....	39,040,100	19,434,000	19,606,100
1971.....	37,953,000	18,886,000	19,067,000
1970.....	36,049,000	18,319,000	17,730,000
1969.....	37,158,000	18,741,000	18,417,000
1968.....	35,980,000	18,098,000	17,882,000
1967.....	34,656,000	17,480,000	17,176,000
1966.....	33,477,000	16,885,000	16,592,000
1965.....	32,045,000	16,314,000	15,731,000
1964.....	31,270,000	15,773,000	15,497,000
1963.....	30,241,000	15,255,000	14,986,000
1962.....	29,257,000	14,759,000	14,498,000
1961.....	28,313,000	14,232,000	14,081,000
1960.....	27,410,000	13,826,000	13,584,000
1959.....	26,926,400	13,441,700	13,484,700
1958.....	26,096,000	13,032,700	13,063,300
1957.....	25,292,400	12,632,600	12,659,800
1956.....	24,513,000	12,254,100	12,258,900
1955.....	23,757,500	11,891,200	11,866,300
1954.....	23,025,500	11,521,900	11,503,600
1953.....	22,316,000	11,171,400	11,144,600
1952.....	21,628,300	10,831,500	10,796,800
1951.....	20,961,500	10,503,900	10,457,600
1950.....	20,315,800	10,184,900	10,130,900
1949.....	19,689,800	9,874,400	9,815,400
1948.....	19,140,200	9,607,000	9,533,200
1947.....	18,785,700	9,431,700	9,354,000
1946.....	18,434,400	9,259,700	9,174,700
1945.....	18,039,600	9,090,700	8,948,900
1944.....	17,751,200	8,924,800	8,826,400
1943.....	17,419,200	8,762,000	8,657,200
1942.....	17,093,400	8,602,200	8,491,200
1941.....	16,773,700	8,445,200	8,328,500
1940.....	16,453,000	8,291,100	8,161,900
1939.....	16,132,100	8,139,900	8,002,200
1938.....	15,812,600	7,988,200	7,824,400

ESTIMATED POPULATION  
PHILIPPINES  
1938 - 1988

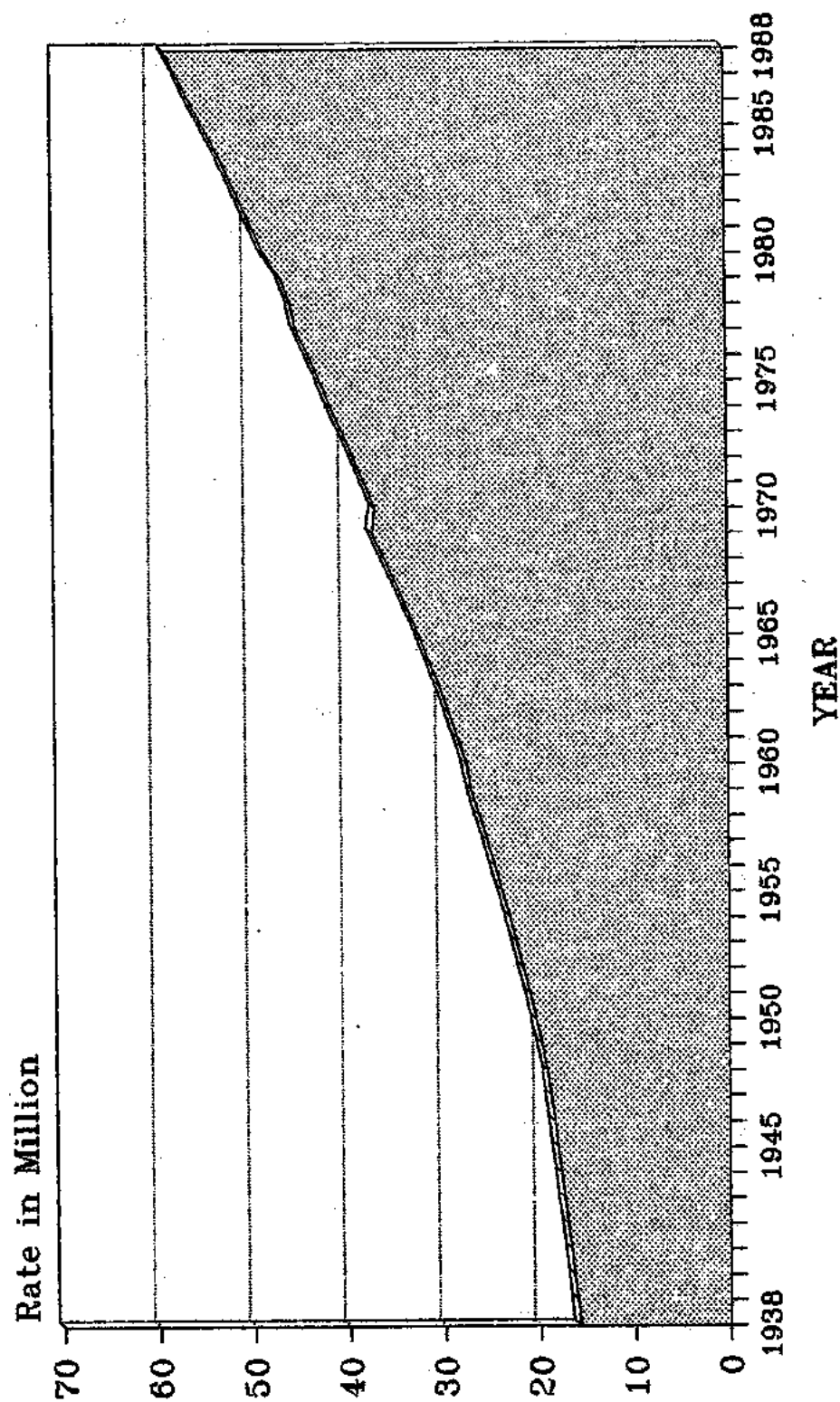


Fig. 2



TABLE 2

ESTIMATED POPULATION  
BY HEALTH REGION, PROVINCE AND CITY  
PHILIPPINES  
1988

8

AREA	POPULATION	AREA	POPULATION
PHILIPPINES.....	58,721,307	PALAYAN CITY.....	20,292
NAT. CAP. REGION....	7,493,557	SAN JOSE CITY.....	73,663
1ST DIST. MANILA....	1,061,124	REGION 4	7,626,538
2ND DIST. MUN.....	1,045,553	AURORA.....	130,656
QUEZON CITY.....	1,476,355	BATANGAS.....	1,057,129
3RD DIST. MUN.....	727,600	CAVITE.....	872,788
CALOCAN CITY.....	576,385	LAGUNA.....	1,084,064
4TH DIST. MUN.....	1,455,867	MARINDUQUE.....	207,673
PASAY CITY.....	350,673	MINDORO OCC.....	273,171
REGION 1	4,192,224	MINDORO OR.....	567,495
ABRA.....	217,649	PALAWAN.....	397,539
BENGUET.....	286,782	QUEZON.....	1,265,915
ILOCOS NORTE.....	391,336	RIZAL.....	723,726
ILOCOS SUR.....	530,967	ROMBLON.....	226,159
LA UNION.....	561,013	BATANGAS CITY.....	172,242
MT. PROVINCE.....	117,433	CAVITE CITY.....	98,609
PANGASINAN.....	1,636,986	LIPA CITY.....	144,762
BAGUIO CITY.....	148,555	LUCENA CITY.....	139,543
DAGUPAN CITY.....	110,494	PUERTO PRINCESA CITY	80,527
LAOAG CITY.....	75,518	SAN PABLO CITY.....	152,329
SAN CARLOS CITY.....	115,491	TAGAYTAY CITY.....	21,372
REGION 2	2,675,889	TRECE MARTIRES CITY.	10,845
BATANES.....	15,036	REGION 5	4,201,486
CAGAYAN.....	832,588	ALBAY.....	838,836
IFUGAO.....	131,304	CAMARINES NORTE.....	383,937
ISABELA.....	1,059,704	CAMARINES SUR.....	1,151,249
KALINGA-APAYAO.....	227,676	CATANDUANES.....	204,614
NEUVA VIZCAYA.....	300,862	MASBATE.....	700,458
QUIRINO.....	108,719	SORSOGON.....	616,659
REGION 3	5,777,219	IRIGA CITY.....	72,144
BATAAN.....	419,554	LEGASPI CITY.....	133,589
BULACAN.....	1,316,638	NAGA CITY.....	100,000
NUEVA ECIJA.....	1,034,290	REGION 6	5,517,514
PAMPANGA.....	1,172,717	AKLAN.....	404,872
TARLAC.....	790,472	ANTIQUE.....	427,719
ZAMBALES.....	348,207	CAPIZ.....	503,627
ANGELES CITY.....	241,585	ILOILO.....	1,435,686
CABANATUAN CITY.....	169,732	INEGROS OCC.....	1,497,720
LOLONGAPO CITY.....	190,069	BACOLOD CITY.....	311,966

TABLE 2

ESTIMATED POPULATION  
BY HEALTH REGION, PROVINCE AND CITY  
PHILIPPINES  
1988

A R E A	POPULATION	A R E A	POPULATION
BAGO CITY.....	125,551	DAPITAN CITY.....	63,097
CADIZ CITY.....	145,373	DIPOLOG CITY.....	75,363
ILOILO CITY.....	280,611	PAGADIAN CITY.....	97,353
LA CARLOTA CITY.....	57,484	ZAMBOANGA CITY.....	406,516
ROXAS CITY.....	99,318		
SAN CARLOS CITY.....	97,278	REGION 10	3,472,397
SILAY CITY.....	130,309		
REGION 7	4,419,646	AGUSAN DEL NORTE.....	243,989
		AGUSAN DEL SUR.....	345,810
BOHOL.....	859,127	BUKIDNON.....	784,346
CEBU.....	1,395,364	CAMIGUIN.....	65,892
NEGROS OR.....	798,164	MISAMIS OCC.....	263,615
SIQUIJOR.....	79,931	MISAMIS OR.....	470,139
		SURIGAO DEL NORTE....	365,726
BAIS CITY.....	55,423		
CANLARAN CITY.....	30,258	BUTUAN CITY.....	215,070
CEBU CITY.....	607,859	CAGAYAN DE ORD.....	328,792
DANAO CITY.....	66,124	GINGOODG CITY.....	98,509
DUMAGUETE CITY.....	77,294	OROQUIETA CITY.....	57,003
LAPU-LAPU CITY.....	124,088	IOZAMIS CITY.....	92,101
MANDAWE CITY.....	166,230	SURIGAO CITY.....	97,173
TAGBILARAN CITY.....	48,254	TANGUB CITY.....	44,832
TOLEDO CITY.....	111,590	REGION 11	4,265,401
REGION 8	3,250,174		
		COTABATO SOUTH.....	759,827
LEYTE DEL NORTE.....	1,238,098	DAVAO ORIENTAL.....	421,112
LEYTE DEL SUR.....	359,794	DAVAO DEL NORTE.....	944,894
EASTERN SAMAR.....	382,591	DAVAO DEL SUR.....	638,332
NORTHERN SAMAR.....	466,996	SURIGAO DEL SUR.....	490,415
WESTERN SAMAR.....	422,593		
		DAVAO CITY.....	810,818
CALBAYOG CITY.....	121,003	IGEN. SANTOS CITY....	220,003
ORMOC CITY.....	127,280	REGION 12	2,808,091
TACLOBAN CITY.....	131,819		
REGION 9	3,001,171	ILANAO DEL NORTE.....	380,276
		ILANAO DEL SUR.....	420,492
BASILAN.....	242,248	MAGUINDANAO.....	544,450
SULU.....	422,264	NORTH COTABATO.....	705,797
TAWI-TAWI.....	228,059	SULTAN KUDARAT.....	400,075
ZAMB. DEL NORTE.....	552,046		
ZAMB. DEL SUR.....	914,225	COTABATO CITY.....	102,192
		ILIGAN CITY.....	194,290
		MARAWI CITY.....	60,519

TABLE 3

ESTIMATED POPULATION  
No. & Percentage Distribution, By Age & Sex  
PHILIPPINES  
1966

10

A R E A	P O P U L A T I O N			P E R C E N T A G E D I S T R I B U T I O N		
	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES
ALL AGES.....	29,486,542	29,234,765	58,721,307	50.2	49.8	100.0
Under 1 yr.....	884,128	841,287	1,725,415	1.5	1.4	2.9
1 - 4 yrs.....	3,357,857	3,234,420	6,592,277	5.7	5.5	11.2
5 - 9 yrs.....	3,932,726	3,784,440	7,717,166	6.7	6.4	13.1
10 - 14 yrs.....	3,656,487	3,448,633	7,105,120	6.2	5.9	12.1
15 - 19 yrs.....	3,221,453	3,055,005	6,276,458	5.5	5.2	10.7
20 - 24 yrs.....	2,814,564	2,797,243	5,611,807	4.8	4.8	9.6
25 - 29 yrs.....	2,363,545	2,543,482	4,907,007	4.0	4.3	8.3
30 - 34 yrs.....	2,051,988	2,173,962	4,225,950	3.5	3.7	7.2
35 - 39 yrs.....	1,719,162	1,705,221	3,424,383	2.9	2.9	5.8
40 - 44 yrs.....	1,341,127	1,304,330	2,645,457	2.3	2.2	4.5
45 - 49 yrs.....	1,097,460	1,082,006	2,179,466	1.9	1.8	3.7
50 - 54 yrs.....	825,696	857,603	1,683,299	1.4	1.5	2.9
55 - 59 yrs.....	649,534	740,161	1,389,695	1.1	1.3	2.4
60 - 64 yrs.....	529,605	563,997	1,093,602	0.9	1.0	1.9
65 - 69 yrs.....	412,163	446,656	858,819	0.7	0.8	1.5
70 yrs. & Over.....	629,047	656,339	1,285,386	1.1	1.1	2.2

TABLE 3

ESTIMATED POPULATION  
No. & Percentage Distribution, By Age & Sex  
PHILIPPINES  
1968

10

A R E A	P O P U L A T I O N			P E R C E N T A G E D I S T R I B U T I O N		
	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES
ALL AGES.....	29,486,542	29,234,765	58,721,307	50.2	49.8	100.0
Under 1 yr.....	884,128	841,287	1,725,415	1.5	1.4	2.9
1 - 4 yrs.....	3,357,857	3,234,420	6,592,277	5.7	5.5	11.2
5 - 9 yrs.....	3,932,726	3,784,440	7,717,166	6.7	6.4	13.1
10 - 14 yrs.....	3,656,487	3,448,633	7,105,120	6.2	5.9	12.1
15 - 19 yrs.....	3,221,453	3,055,005	6,276,458	5.5	5.2	10.7
20 - 24 yrs.....	2,814,564	2,797,243	5,611,807	4.8	4.8	9.6
25 - 29 yrs.....	2,363,545	2,543,462	4,907,007	4.0	4.3	8.3
30 - 34 yrs.....	2,051,988	2,173,862	4,225,950	3.5	3.7	7.2
35 - 39 yrs.....	1,719,162	1,705,221	3,424,383	2.9	2.9	5.8
40 - 44 yrs.....	1,341,127	1,304,330	2,645,457	2.3	2.2	4.5
45 - 49 yrs.....	1,097,460	1,082,006	2,179,466	1.9	1.8	3.7
50 - 54 yrs.....	825,696	837,603	1,663,299	1.4	1.5	2.9
55 - 59 yrs.....	649,534	740,181	1,389,695	1.1	1.3	2.4
60 - 64 yrs.....	529,605	563,997	1,093,602	0.9	1.0	1.9
65 - 69 yrs.....	412,163	446,656	858,819	0.7	0.8	1.5
70 yrs. & Over.....	629,047	656,359	1,285,366	1.1	1.1	2.2

# ESTIMATED POPULATION BY AGE & SEX PHILIPPINES, 1988

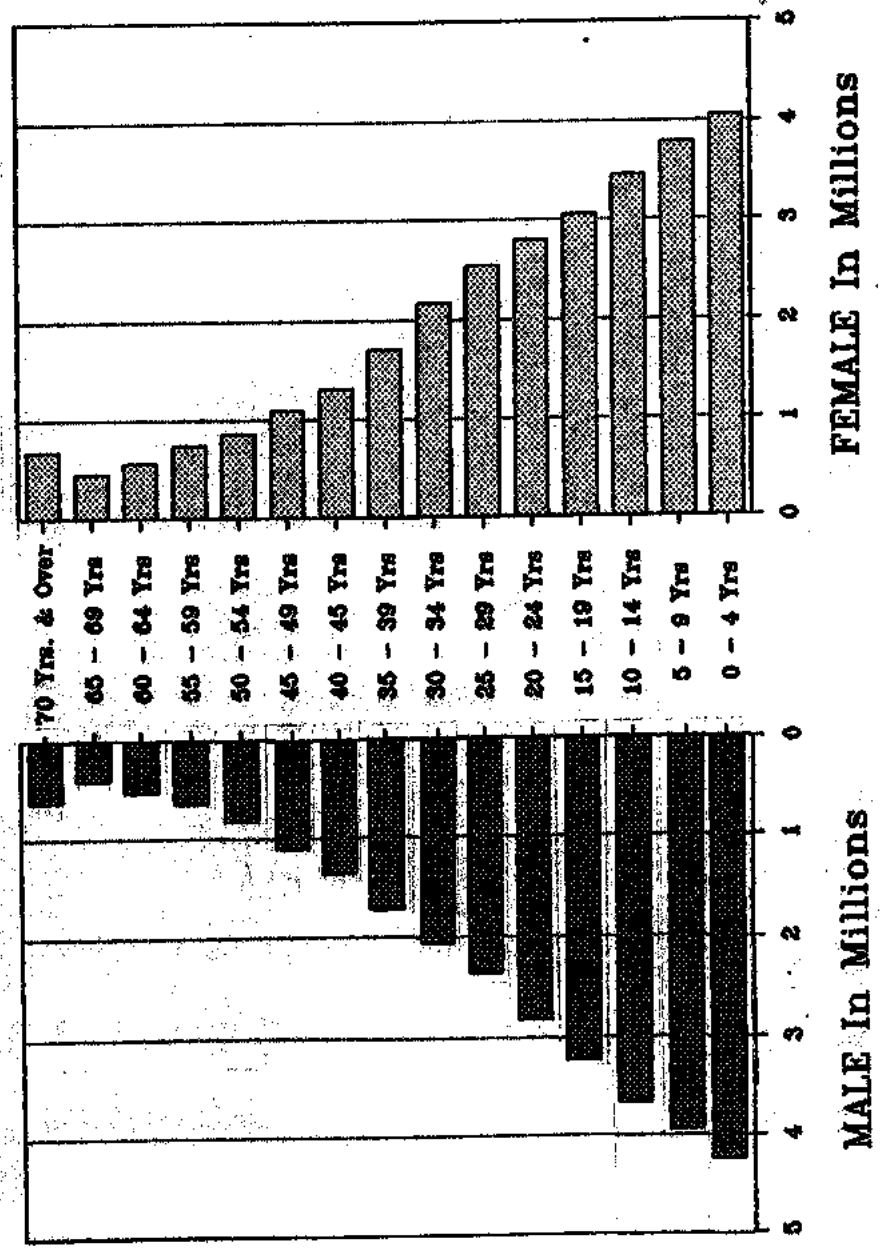


Fig. 3

TABLE 4

LIVEBIRTHS, TOTAL DEATHS, DEATHS UNDER 1 YEAR  
MATERNAL DEATHS & FETAL DEATHS

12

No. & Rate  
PHILIPPINES, 1938 - 1988

Y E A R	BIRTHS		DEATHS		DEATHS UNDER 1 YR.		MATERNAL DEATHS		FETAL DEATHS	
	No.	Rate*	No.	Rate*	No.	Rate**	No.	Rate**	No.	Rate**
1988.....	1565372	26.7	325098	5.5	147187	30.1	1745	1.1	10641	6.8
1987.....	1582469	27.6	335254	5.8	150803	32.1	1611	1.0	10515	6.6
1986.....	1493995	26.7	326749	5.8	152263	35.0	1573	1.1	8400	5.6
1985.....	1437154	26.3	334663	6.1	154613	38.0	1489	1.0	8948	6.2
1984.....	1478205	27.8	313359	5.9	156897	38.5	1379	0.9	11884	8.0
1983.....	1506356	29.0	327260	6.3	164267	42.7	1502	1.0	14780	9.8
1982.....	1474491	29.0	308758	6.1	161665	41.8	1425	1.0	13465	9.1
1981.....	1461204	29.5	301117	6.1	164415	44.1	1542	1.1	13343	9.1
1980.....	1456860	30.2	298006	6.2	165700	45.1	1607	1.1	13965	9.6
1979.....	1429814	30.7	206427	6.6	171772	50.2	1635	1.1	14586	10.2
1978.....	1387588	30.5	297034	6.5	173640	53.1	1734	1.2	14365	10.4
1977.....	1344836	29.9	308904	6.9	176330	56.8	1909	1.4	14589	10.8
1976.....	1314860	30.1	299861	6.9	174792	56.9	1862	1.4	14865	11.3
1975.....	1223837	28.8	271136	6.4	165263	53.3	1753	1.4	13764	11.2
1974.....	1081073	26.1	283975	6.8	163491	58.7	1690	1.6	13451	12.4
1973.....	1049290	26.1	283475	7.0	167881	64.7	1488	1.4	10808	10.3
1972.....	968885	24.8	285761	7.3	165719	67.9	1379	1.4	13577	14.0
1971.....	963749	25.4	250139	6.6	159730	62.0	1261	1.3	12969	13.5
1970.....	1008504	27.4	248251	6.7	159774	59.3	1950	1.9	7384	7.3
1969.....	1015784	27.3	255785	6.9	165142	64.1	2047	2.0	7290	7.2
1968.....	961646	26.8	253841	7.1	162994	65.5	1979	2.1	6855	7.1
1967.....	911872	26.3	241548	7.0	159448	65.2	1822	2.0	7468	8.2
1966.....	908826	27.1	240865	7.2	159810	65.8	1829	2.0	6166	6.8
1965.....	871715	27.0	241305	7.5	159733	68.5	1757	2.0	6143	7.0
1964.....	880871	28.2	214904	6.9	154174	61.5	1031	2.1	6696	7.6
1963.....	851459	28.2	215743	7.1	156700	66.6	1783	2.1	7026	8.2
1962.....	882204	28.4	213439	7.3	156365	67.7	1944	2.3	7424	8.9
1961.....	782857	27.6	213587	7.5	166639	72.4	2023	2.6	8800	11.2
1960.....	810904	29.6	212688	6.6	159301	73.1	1981	2.4	10262	12.7
1959.....	809086	30.0	197423	7.3	158610	72.4	2114	2.6	10167	12.6
1958.....	766562	29.4	218186	8.4	161335	80.0	2235	2.9	9012	11.8
1957.....	748331	29.6	241469	9.5	169592	93.0	1963	2.6	8967	12.0
1956.....	757794	30.9	219719	9.0	163583	83.9	2241	3.0	***	-
1955.....	734761	30.9	219798	9.0	161958	84.3	2339	3.2	***	-
1954.....	702662	30.5	217650	9.5	166175	94.2	2214	3.2	***	-
1953.....	661939	29.7	239988	10.8	169729	105.3	2397	3.6	***	-
1952.....	648725	30.0	241020	11.1	163883	101.6	2511	3.6	***	-
1951.....	637264	30.4	237937	11.4	167209	105.5	2645	4.2	***	-
1950.....	642472	31.6	226505	11.1	165273	101.6	2406	3.7	***	-
1949.....	609138	30.9	231151	11.8	166114	108.5	1818	3.0	***	-
1948.....	602415	31.5	234467	12.7	168897	114.4	2468	4.1	***	-
1947.....	572226	30.5	238527	12.7	163809	111.5	2425	4.2	***	-
1946.....	533283	28.9	278546	15.1	166902	125.5	***	-	***	-
1945-1941..	***	-	***	-	***	-	***	-	***	-
1940.....	535117	32.5	273480	16.6	172647	135.8	3397	6.3	***	-
1939.....	522432	32.3	273141	16.9	176377	146.2	***	-	***	-
1938.....	512389	32.4	261848	16.6	171239	139.0	3449	6.7	***	-

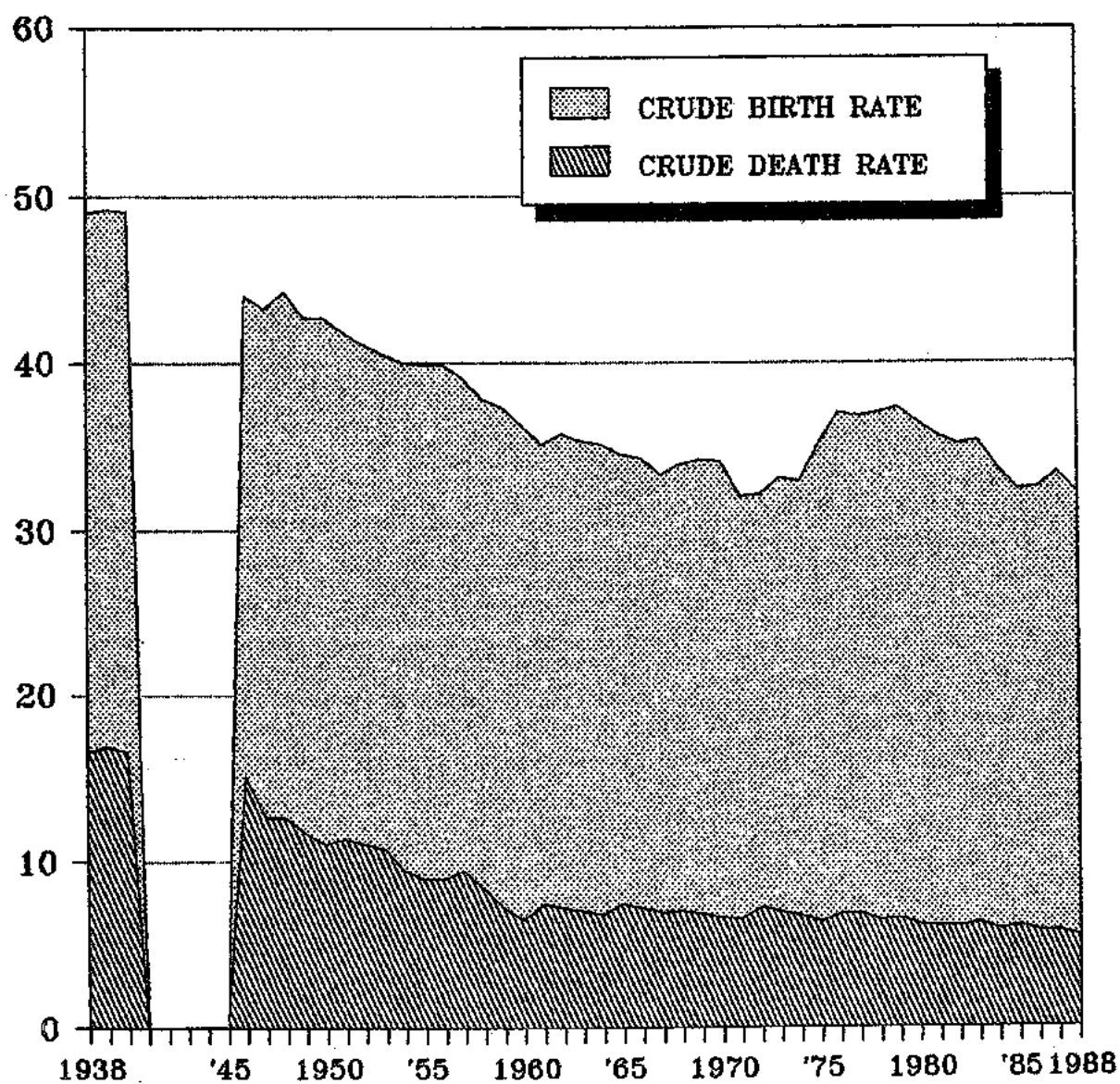
\*Per 1,000 Population

\*\*Per 1,000 Livebirths.

\*\*\*No data available.

# CRUDE BIRTH AND DEATH RATES

Rate per 1,000 Population  
PHILIPPINES, 1938-1988



Note: No data available for  
years 1941 to 1945

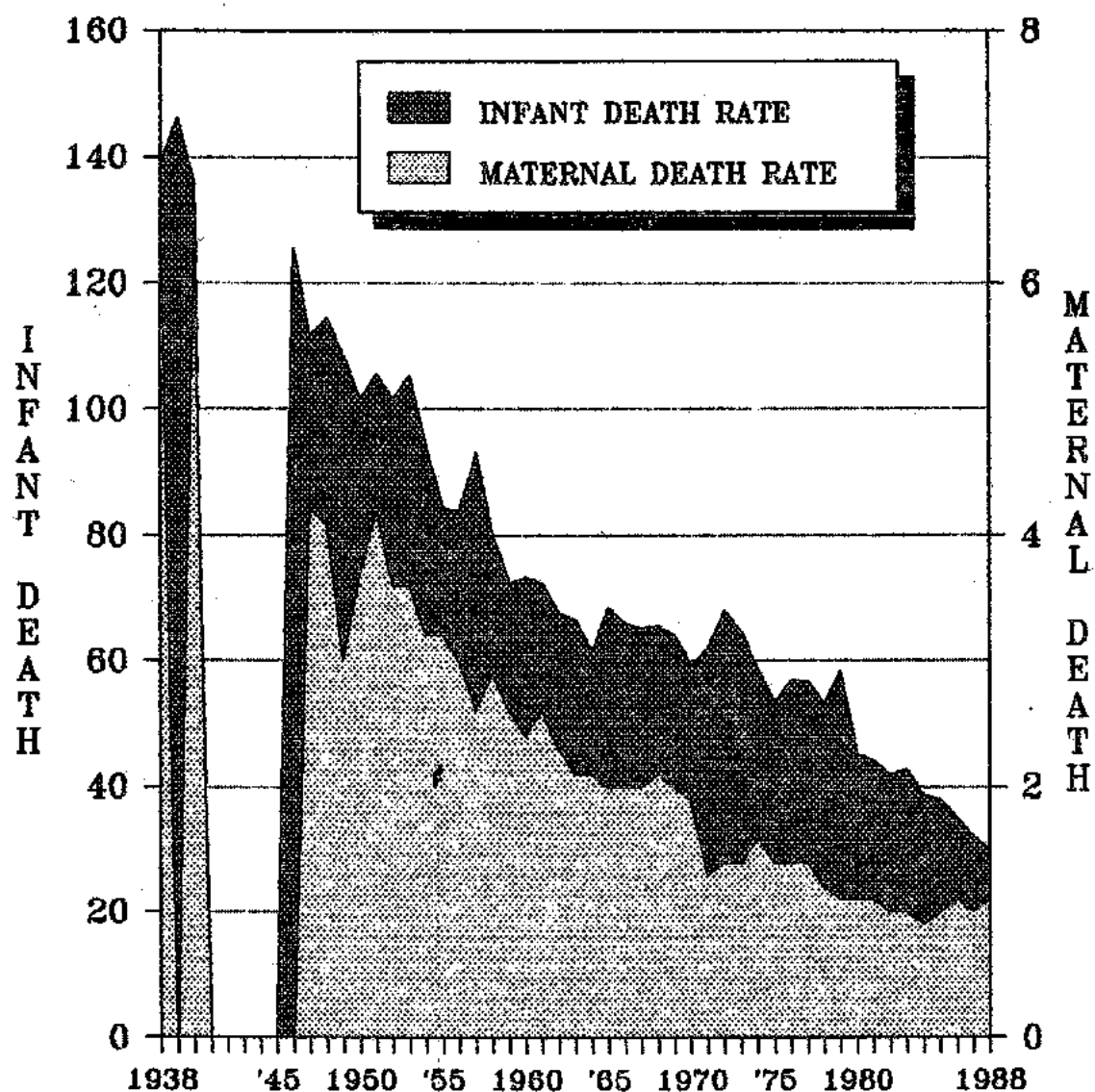
Fig. 4



# INFANT AND MATERNAL DEATH RATES

Rate per 1,000 Livebirths

## PHILIPPINES, 1938-1988



Note: No data available for years 1941 to 1945 & MDR for 1939

Fig. 5

TABLE 5 LIVEBIRTHS, TOTAL DEATHS AND INFANT, FETAL & MATERNAL DEATHS  
BY HEALTH REGION, PROVINCE & CITY

15

No. & Rate  
PHILIPPINES  
1968

A R E A	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
PHILIPPINES.....	1565372	26.7	325096	5.5	47187	30.1	10641	6.8	1745	1.1
NAT. CAP. REGION...	250861	33.5	49470	6.6	8106	32.3	2486	9.9	179	0.7
1ST DIST. MANILA...	93251	50.1	16781	9.0	3073	33.0	1180	12.7	63	0.7
2ND DIST. MUN.....	30251	28.9	6009	5.7	1021	33.8	381	12.6	36	1.2
QUEZON CITY.....	49033	33.2	11412	7.7	1515	30.9	276	5.6	22	0.4
3RD DIST. MUN.....	16745	23.0	3429	4.7	613	36.6	82	4.9	16	1.0
CALOCAN CITY.....	14909	25.9	3515	6.1	563	37.8	128	8.6	16	1.1
4TH DIST. MUN.....	37444	25.7	6515	4.5	1026	27.4	342	9.1	24	0.6
PASAY CITY.....	8998	25.7	1809	5.2	295	32.8	97	10.8	2	0.2
REGION 1	118154	28.2	28340	6.8	3800	32.2	832	7.0	149	1.3
ABRA.....	3696	17.0	883	4.1	104	28.1	6	1.6	4	1.1
BENGUET.....	9348	32.6	886	3.1	147	15.7	46	4.9	4	0.4
ILOCOS NORTE.....	8511	21.7	2697	6.9	285	33.5	93	10.9	12	1.4
ILOCOS SUR.....	12021	22.6	3556	6.7	404	33.6	66	5.5	20	1.7
LA UNION.....	14760	26.3	3987	7.1	512	34.7	119	8.0	10	0.7
MT. PROVINCE.....	2686	22.9	528	4.5	46	17.1	19	7.1	5	1.9
PANGASINAN.....	47103	28.8	11252	6.9	1635	34.7	279	5.9	59	1.3
BAGUIO CITY.....	7047	47.4	1086	7.3	103	14.6	62	8.8	4	0.6
DAGUPAN CITY.....	7219	65.9	1904	17.2	401	55.5	105	14.5	15	2.1
LAOAG CITY.....	2087	27.6	719	9.5	71	34.0	27	12.9	4	1.9
SAN CARLOS CITY...	3676	31.8	842	7.3	92	25.0	11	3.0	12	3.3
REGION 2	73371	27.4	14962	5.6	2585	35.2	286	3.9	99	1.3
BATANES.....	952	23.4	124	8.2	18	51.1	2	5.7	2	5.7
CAGAYAN.....	24231	29.1	5775	6.9	1040	42.9	124	5.1	31	1.3
IFUGAO.....	2930	22.3	428	3.3	73	24.9	0	-	2	0.7
ISABELA.....	3083	29.1	6138	5.8	1098	35.6	120	3.9	53	1.7
KALINGA-APAYAO....	4355	19.1	539	2.4	52	11.9	0	-	1	0.2
NUEVA VIZCAYA.....	7659	25.5	1420	4.7	207	27.0	24	3.1	5	0.7
QUIRINO.....	3005	27.6	538	4.9	97	32.3	16	5.3	5	1.7
REGION 3	167644	29.0	32210	5.6	4179	24.9	1213	7.2	134	0.8
BATAAN.....	11689	27.9	2903	5.5	322	27.5	164	14.0	18	1.5
BULACAN.....	38820	29.5	8261	6.3	1131	29.1	361	9.9	51	1.3
NUEVA ECIJA.....	23983	23.2	4711	4.6	631	26.3	115	4.8	20	0.8
PAMPANGA.....	35080	29.9	5515	4.7	549	15.6	71	2.0	15	0.4
TARLAC.....	24250	30.8	5003	6.3	672	27.7	176	7.3	5	0.2
ZAMBALES.....	9985	28.7	1912	5.5	217	21.7	96	9.6	8	0.8
ANGELES CITY.....	8187	33.9	1424	5.9	197	24.1	101	12.3	2	0.2
CABANATUAN CITY...	6349	37.4	1343	7.9	124	19.5	8	1.3	6	0.9

TABLE 5 LIVEBIRTHS, TOTAL DEATHS AND INFANT, FETAL & MATERNAL DEATHS  
BY HEALTH REGION, PROVINCE & CITYNo. & Rate  
PHILIPPINES  
1988

A R E A	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
OLONGAPO CITY.....	6357	33.4	1100	5.8	220	34.6	82	12.9	6	0.9
PALAYAN CITY.....	594	26.8	60	3.0	4	7.5	0	-	0	-
SAN JOSE CITY.....	2410	32.7	578	7.8	112	46.5	39	16.2	3	1.2
REGION 4	213778	28.0	48631	6.4	7290	34.1	2076	9.7	286	1.3
AURORA.....	4509	34.5	806	6.2	154	34.2	13	2.9	7	1.6
BATANGAS.....	29660	28.1	6344	6.0	798	26.9	181	6.1	28	0.9
CAVITE.....	19298	22.0	4760	5.5	674	35.0	197	10.2	24	1.2
LAGUNA.....	29288	27.0	6708	6.2	874	29.8	313	10.7	24	0.8
MARINDUQUE.....	5363	25.8	1642	7.9	218	40.6	112	20.9	6	1.1
MINDORO OCC.....	6795	24.9	1305	4.8	196	28.8	54	7.9	25	3.7
MINDORO OR.....	15736	27.7	3437	6.1	641	40.7	248	15.8	32	2.0
PALAWAN.....	8525	21.4	1161	2.9	143	16.8	22	2.6	12	1.4
QUEZON.....	3520	27.8	9006	7.1	1457	41.4	298	8.5	58	1.6
RIZAL.....	2301	31.8	4441	6.1	763	33.2	203	8.8	17	0.7
ROMBLON.....	6451	28.5	1583	7.0	282	43.7	58	9.0	9	1.4
BATANGAS CITY.....	6661	38.7	1425	8.3	209	31.4	69	10.4	4	0.6
CAVITE CITY.....	2717	27.6	811	8.2	133	49.0	30	11.0	3	1.1
LIPA CITY.....	4795	33.1	1156	8.0	188	39.2	38	7.9	3	0.6
LUCENA CITY.....	5941	42.6	1680	12.0	235	39.6	72	12.1	12	2.0
PUERTO PRINCESA...	3148	39.1	487	6.0	84	26.7	28	8.9	2	0.6
SAN PABLO CITY.....	5207	34.2	1387	9.1	160	30.7	73	14.0	14	2.7
TAGAYTAY CITY.....	498	23.3	104	4.9	19	26.1	8	16.1	0	-
TRECE MARTIRES....	1030	95.0	388	35.8	68	66.0	59	57.3	6	5.8
REGION 5	108163	25.7	25274	6.0	3751	34.7	706	6.5	198	1.8
ALBAY.....	24005	28.6	4726	5.6	634	26.4	141	5.9	31	1.3
CAMARINES NORTE...	11885	31.0	3238	8.4	622	52.3	110	9.3	31	2.6
CAMARINES SUR.....	32822	28.5	6746	5.9	1001	30.5	200	6.1	62	1.9
CATANDUANES.....	5906	28.9	1406	6.9	231	39.1	70	11.9	5	0.8
MASBATE.....	7097	10.1	2194	3.1	380	53.5	20	2.8	15	2.1
SORSOGON.....	13643	22.1	3945	6.4	513	37.6	75	5.5	31	2.3
IRIGA CITY.....	2460	34.1	596	8.3	81	32.9	25	10.2	4	1.6
LEGASPI CITY.....	4360	32.6	1289	9.6	173	39.7	37	8.5	7	1.6
NAGA CITY.....	5985	59.9	1134	11.3	116	19.4	28	4.7	12	2.0
REGION 6	111265	20.2	31330	5.7	3936	35.4	685	6.2	139	1.2
AKLAN.....	8739	21.6	2538	6.3	311	35.6	37	4.2	6	0.7
ANTIQUE.....	9237	21.6	3060	7.2	436	47.2	78	8.4	11	1.2
CAPIZ.....	8734	17.3	2402	4.8	345	39.5	41	4.7	7	0.8
ILOILO.....	28799	20.1	7650	5.3	956	33.2	185	6.4	41	1.4
NEGROS OCC.....	26042	17.4	6348	4.2	898	34.5	127	4.9	25	1.0

TABLE 5 LIVEBIRTHS, TOTAL DEATHS AND INFANT, FETAL & MATERNAL DEATHS  
BY HEALTH REGION, PROVINCE & CITY

17

No. & Rate  
PHILIPPINES  
1988

A R E A	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
BACOLOD CITY.....	6451	20.7	3016	9.7	270	41.9	84	19.0	11	1.7
BAGO CITY.....	1845	14.7	583	4.6	86	46.6	18	9.8	4	2.2
CADIZ CITY.....	2089	14.4	439	3.0	35	16.8	14	6.7	1	0.5
ILOILO CITY.....	9116	32.5	2710	9.7	228	25.0	44	4.8	7	0.8
LA CARLOTA CITY....	1211	21.1	323	5.6	43	35.5	7	5.8	1	0.8
ROXAS CITY.....	3379	34.0	854	8.6	134	39.7	0	-	5	1.5
SAN CARLOS CITY....	2712	27.9	710	7.3	98	36.1	19	7.0	14	5.2
SILAY CITY.....	2911	22.3	697	5.3	96	33.0	31	10.6	6	2.1
REGION 7	129566	29.3	27604	6.2	3860	29.8	949	7.3	129	1.0
BOHOL.....	2324	27.3	5196	6.0	721	30.8	177	7.6	35	1.5
CEBU.....	4059	29.1	8629	6.2	1307	32.2	258	6.4	39	1.0
NEGROS OR.....	16585	20.8	2551	3.2	293	17.7	35	2.1	10	0.6
SIQUIJOR.....	1828	22.9	576	7.2	53	29.0	9	4.9	1	0.5
BAIS CITY.....	1407	25.4	200	3.6	18	12.8	4	2.8	1	0.7
CANLON CITY.....	1032	34.1	302	10.0	74	71.7	17	16.5	4	3.9
CEBU CITY.....	25012	41.1	5601	9.5	743	29.7	284	11.4	22	0.9
DANAO CITY.....	2396	36.2	494	7.5	81	33.8	16	6.8	0	-
DUMAGUETE CITY....	3423	44.3	1026	13.3	106	31.0	52	15.2	8	2.3
LAPU-LAPU CITY....	3938	31.7	910	7.3	205	52.1	47	11.9	2	0.5
MANDAWE CITY.....	3707	22.3	814	4.9	140	37.8	47	12.7	3	0.8
TAGBILARAN CITY....	2605	54.0	610	12.6	57	21.9	3	1.2	3	1.2
TOLEDO CITY.....	3616	32.4	495	4.4	62	17.1	0	-	1	0.3
REGION 8	59906	18.4	17280	5.3	2062	34.4	255	4.3	101	1.7
LEYTE DEL NORTE....	28549	23.1	7946	6.4	974	34.1	140	4.9	41	1.4
LEYTE DEL SUR.....	9102	25.3	2046	5.7	284	31.2	63	6.9	5	0.5
EASTERN SAMAR.....	4139	10.8	983	2.6	63	15.2	2	0.5	4	1.0
NORTHERN SAMAR....	5305	11.4	2072	4.4	289	54.5	19	3.6	27	5.1
WESTERN SAMAR.....	3759	8.9	1206	2.9	105	27.9	4	1.1	3	0.8
CALBAYOG CITY.....	1388	11.5	668	5.5	80	57.6	1	0.7	7	5.0
ORMOC CITY.....	4113	32.3	723	5.7	67	16.3	12	2.9	6	1.5
TACLOBAN CITY.....	3551	26.9	1636	12.4	200	56.3	14	3.9	8	2.3
REGION 9	60959	20.3	9546	3.2	1526	25.0	127	2.1	71	1.2
BASILAN.....	2052	8.5	531	2.2	57	27.8	9	4.4	4	1.9
SULU.....	2042	4.8	696	1.6	149	73.0	29	14.2	4	2.0
TAWI-TAWI.....	376	1.6	78	0.3	2	5.3	0	-	1	2.7
ZAMB. DEL NORTE....	12095	21.9	1518	2.7	226	18.7	12	1.0	11	0.9
ZAMB. DEL SUR.....	25734	28.1	2346	2.6	324	12.6	49	1.9	26	1.0

TABLE 5

LIVEBIRTHS, TOTAL DEATHS AND INFANT, FETAL & MATERNAL DEATHS  
BY HEALTH REGION, PROVINCE & CITYNo. & Rate  
PHILIPPINES  
1968

A R E A	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
DAPITAN CITY.....	1775	28.1	377	6.0	53	29.9	14	7.9	3	1.7
DIPOLOG CITY.....	2434	32.3	571	7.6	98	40.3	0	-	1	0.4
PAGADIAN CITY.....	3273	33.6	864	8.9	174	53.2	13	4.0	7	2.1
ZAMBOANGA CITY....	11178	27.5	2565	6.3	443	39.6	1	0.1	14	1.3
REGION 10	102355	29.5	15708	4.5	2663	26.0	531	5.2	125	1.2
LAGUSAN DEL NORTE..	6932	28.5	1031	4.2	194	28.0	38	5.5	5	0.7
LAGUSAN DEL SUR....	11341	32.8	1021	3.0	176	15.5	20	1.8	13	1.1
BUKIDNON.....	26684	34.0	2183	2.8	406	15.2	118	4.4	26	1.0
CAMIGUIN.....	1944	29.5	384	5.8	43	22.1	16	8.2	1	0.5
MISAMIS OCC.....	6036	22.9	1324	5.0	171	28.3	15	2.5	7	1.2
MISAMIS OR.....	12610	26.6	2024	4.3	392	31.1	54	4.3	10	0.8
SURIGAO DEL NORTE..	6943	19.0	1248	3.4	179	25.8	13	1.9	9	1.3
BUTUAN CITY.....	7000	32.5	1518	7.1	296	42.3	62	8.9	13	1.9
CAGAYAN DE ORO....	11498	35.0	2095	3.4	330	28.7	107	9.3	18	1.6
GINGOOG CITY.....	2618	26.8	648	5.6	128	48.9	30	11.5	1	0.4
OROQUIETA CITY....	1578	27.7	461	8.1	53	33.6	15	9.5	2	1.3
OZAMIS CITY.....	2850	30.9	783	8.5	156	54.7	41	14.4	13	4.6
SURIGAO CITY.....	3230	33.2	675	6.9	89	27.6	1	0.3	4	1.2
TANGUB CITY.....	1091	24.3	313	7.0	50	45.8	1	0.9	3	3.7
REGION 11	123128	28.7	17658	4.1	2354	19.1	456	3.7	104	0.8
COTABATO SOUTH....	19589	25.8	2523	3.3	341	17.4	58	3.0	17	0.9
DAVAO ORIENTAL....	33754	35.7	3967	4.2	574	17.0	166	4.9	27	0.8
DAVAO DEL NORTE....	9347	22.2	1188	2.8	180	19.3	21	2.2	11	1.2
DAVAO DEL SUR.....	15111	23.7	2133	3.3	275	18.2	62	4.1	15	1.0
SURIGAO DEL SUR....	12239	25.0	2447	5.0	426	34.8	24	2.0	14	1.4
DAVAO CITY.....	25159	31.0	4068	5.0	343	13.6	68	2.7	17	0.7
GEN. SANTOS CITY..	7932	36.1	1332	6.1	215	27.1	57	7.2	3	0.4
REGION 12	46222	16.5	7085	2.5	1075	23.3	39	0.8	31	0.7
NORTH COTABATO....	14186	20.2	1585	2.3	129	9.1	8	0.6	13	0.9
ILANAO DEL NORTE....	8876	23.3	1074	2.8	143	16.1	8	0.9	2	0.2
ILANAO DEL SUR....	1083	2.6	107	0.3	8	7.4	0	-	0	-
MAGUINDANAO.....	2205	4.0	276	0.5	16	7.3	0	-	2	0.9
SULTAN KUDARAT....	8804	22.0	1087	2.7	125	14.2	16	1.8	4	0.5
COTABATO CITY.....	2894	28.3	1148	11.2	304	105.0	7	2.4	6	2.1
ILIGAN CITY.....	7615	39.2	1608	8.3	293	38.5	0	-	3	0.4
IMARAWI CITY.....	559	9.2	200	3.3	57	102.0	0	-	1	1.8

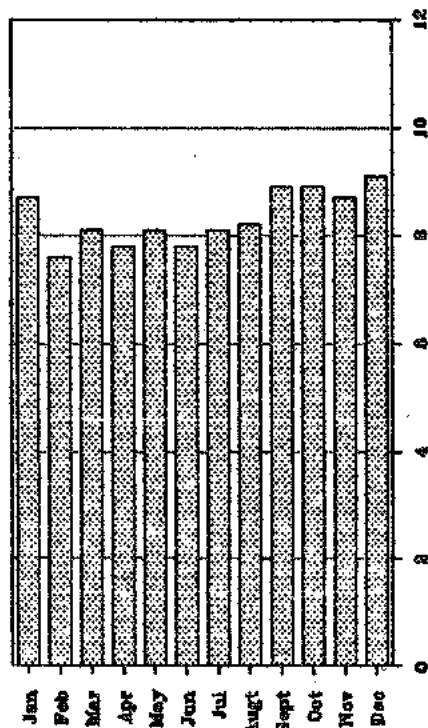
TABLE 6

LIVEBIRTHS, DEATHS, INFANT, MATERNAL & FETAL DEATHS  
BY MONTH OF OCCURRENCE  
No. & Percent Distribution  
PHILIPPINES  
1988

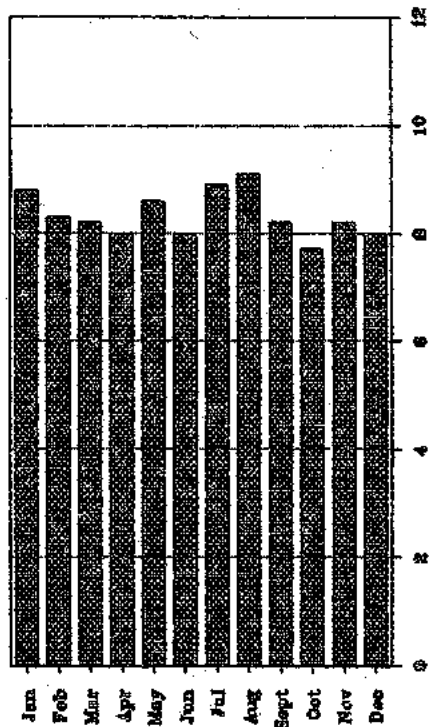
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MONTH	BIRTHS		DEATHS		INFANT DEATHS		MATERNAL DEATHS		FETAL DEATHS	
	No.	%	No.	%	No.	%	No.	%	No.	%
JANUARY.....	135824	8.7	27830	8.5	4126	8.8	145	8.3	861	8.1
FEBRUARY.....	118329	7.6	25970	8.0	3914	8.3	148	8.5	847	8.0
MARCH.....	126327	8.1	26891	8.3	3870	8.2	130	7.4	813	7.6
APRIL.....	122845	7.8	26267	8.1	3786	8.0	132	7.6	833	7.8
MAY.....	127431	8.1	28163	8.6	4050	8.6	149	8.5	872	8.2
JUNE.....	122809	7.8	25545	7.8	3756	8.0	136	7.8	936	8.8
JULY.....	126102	8.1	27214	8.4	4219	8.9	137	7.9	898	8.4
AUGUST.....	129081	8.2	28672	8.8	4285	9.1	146	8.4	986	9.3
SEPTEMBER.....	139293	8.9	26206	8.1	3881	8.2	155	8.9	934	8.8
OCTOBER.....	139669	8.9	26214	8.1	3637	7.7	161	9.2	929	8.7
NOVEMBER.....	136119	8.7	26625	8.2	3880	8.2	147	8.4	912	8.6
DECEMBER.....	141543	9.1	29501	9.1	3783	8.0	159	9.1	820	7.7
T O T A L	1565372	100.0	325098	100.0	47187	100.0	1745	100.0	10641	100.0

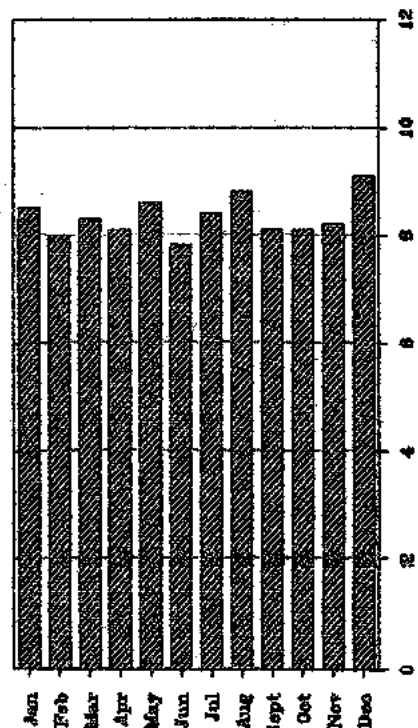
LIVEBIRTHS BY MONTH OF OCCURRENCE  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988



INFANT DEATHS BY MONTH OF OCCURRENCE  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988



DEATHS BY MONTH OF OCCURRENCE  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988



MATERNAL DEATHS BY MONTH OF OCCURRENCE  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988

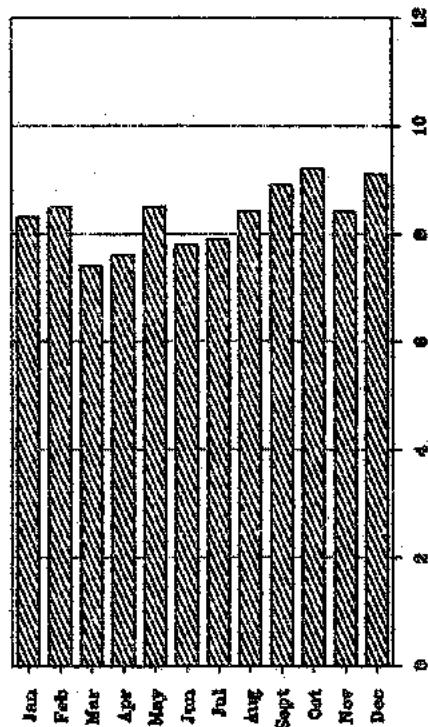


Fig. 6



TABLE 7

TOTAL LIVEBIRTHS, FEMALE POPULATION (15-49 Years)  
& FERTILITY RATE BY HEALTH REGION  
PHILIPPINES  
1988

A R E A	TOTAL LIVEBIRTHS	FEMALE POPULATION (15 - 49 Years)	FERTILITY RATE
PHILIPPINES.....	1,565,372	14,661,229	106.8
NAT. CAP. REGION....	250,861	2,228,507	112.6
REGION 1.....	118,154	996,964	118.5
REGION 2.....	73,371	659,755	111.2
REGION 3.....	167,644	1,467,123	114.3
REGION 4.....	213,778	1,861,976	114.8
REGION 5.....	108,163	938,319	115.3
REGION 6.....	111,265	1,304,849	85.3
REGION 7.....	129,566	1,114,253	116.3
REGION 8.....	59,906	762,384	78.6
REGION 9.....	60,959	786,173	77.5
REGION 10.....	102,355	850,351	120.4
REGION 11.....	123,128	1,016,158	121.2
REGION 12.....	46,222	674,417	68.5

# FERTILITY RATE BY REGION PHILIPPINES 1988

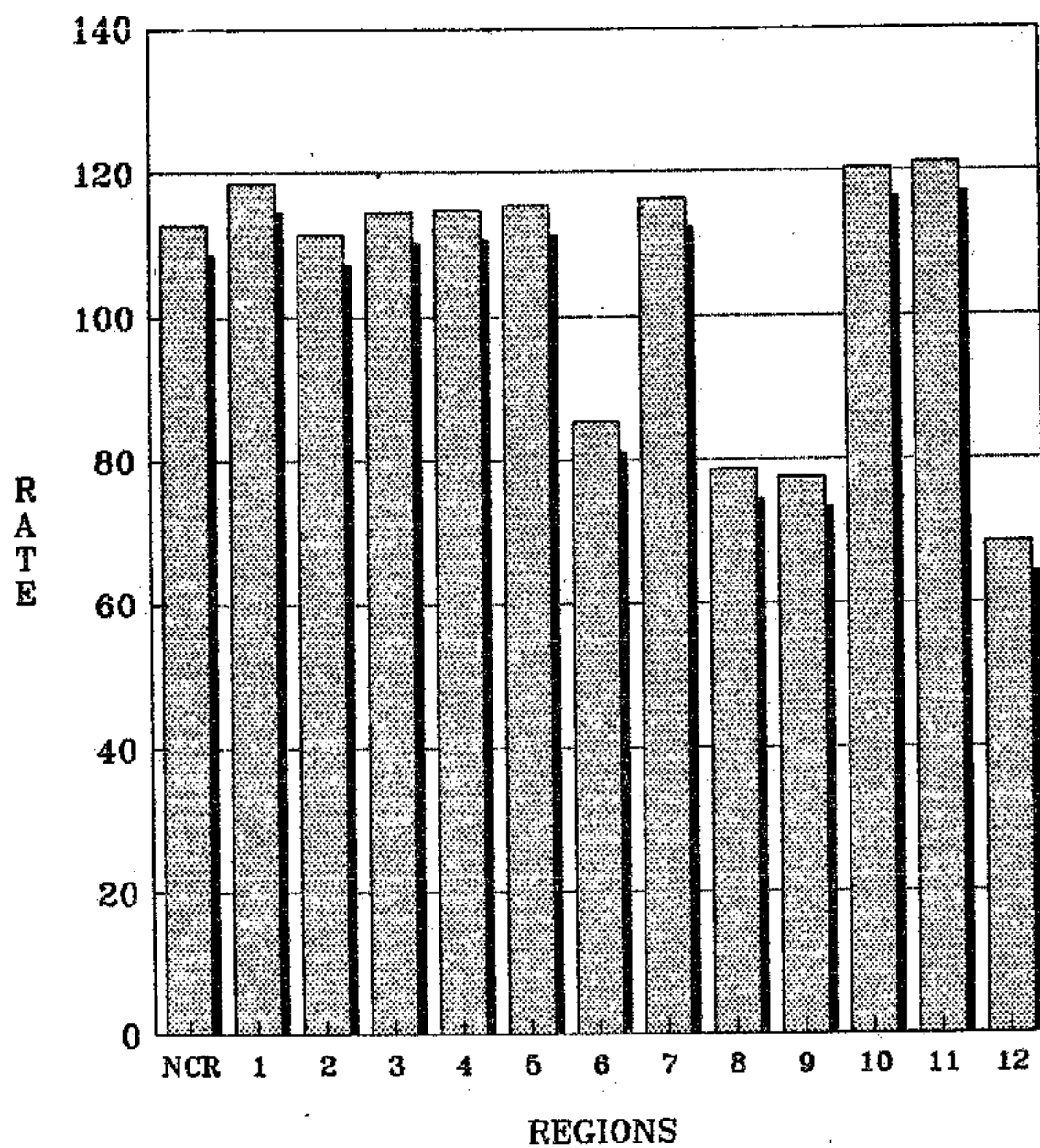


Fig. 7

## NATALITY STATISTICS

All birth statistics tabulated and presented in the reports are based on information received by the Office of the Civil Registrar General from all Local Civil Registrars throughout the Philippines.

In 1988, a total 1,565,372 births were registered. This number represents a decrease of 17,097 or 1.1% than that of the 1987 figure.

The crude birth rate of 26.7 in 1988 is slightly lower than that of the 1987 which is 27.6. The average birth rate for the past ten years (1978-1987) is 28.7 per 1,000 population. While the population has increase by 271.3% since 1938; improvement in birth registration during this period was not consistent with the tremendous population increase.

The figure of 1,565,372 represents the total number of livebirths registered in 1988. This does not represent the actual total number of babies born alive in the year but since there is no measure of registration of birth which is valid for the whole country, no correction was made for such.

Trend of Crude Birth - The number of livebirths registered and the corresponding birth rate from 1938 to 1988 is presented in Table 4. During these period, the crude birth rate showed a general declining trend and changes were rather slow and irregular during the later years. For the year 1938, the rate was 32.4 per 1,000 population. Slight changes were observed for the following years (1939-1940). There were no available data during the war years (1941-1945). After World War II (1946) the crude birth rate went down to 28.9 only to rise again the next year and remained stable till 1952. An average of 30 births per 1,000 population prevailed from 1952 to 1959. From then on a declining pattern of the crude birth rate could be observed. However, in the year 1969 and 1970 it went up again to 27.3 and 27.4 respectively. It declined to 25.4 in 1971 and 24.8 in 1972, the lowest ever recorded. The 1972 figure soared to 26.1 in 1973 and went up to 28.8 in 1975 and up again to 30.1 in 1976. A drop to 29.9 was registered for 1977 followed by an increase to 30.5 and 30.7 in 1978 and 1979 respectively. The rates for the decade (1980-1988) showed a declining trend which started in 1981 with 29.5 per 100,000 population and went down to 26.3 in 1985. The average rate for this years 1980-1988 was 28.1 per 100,000 population.

Birth By Sex - Of the total 1,565,372 registered births in 1988, 816,124 are males and 749,248 are females representing 52.1% and 47.9% of the total births respectively. The ratio of male birth to female birth is still a male for every 1.1 female birth.

Birth By Attendant - Of the total births registered for 1988 (1,565,372), 872,492 (55.7%) had the benefit of medical attendance (Table 9 and 10). This figure showed an increase of 4,484 or 0.5% over that of the previous year. It could be observed that a total of 692,880 births or 44.3% were not medically attended. Of these with medical attendance 382,357 or 24.4% were delivered by physicians, 21,156 or 1.4% by nurses and 468,979 or 29.9% by midwives. The National Capital Region registered the highest medically attended deliveries 89.8% while Region 5 had the lowest 32.5%.

Crude Birth Rate By Area - Table 5 shows that of all the provinces, Davao del Norte registered the highest birth rate of 35.7 per 1,000 population, while Tawi-Tawi had the lowest rate of 1.6. Of the cities, Trece Martires recorded the highest rate of 95.0 while Marawi City had the lowest, 9.2. Of the 13 health regions, National Capital Region topped the group with a birth rate of 33.5 per 1,000 population, while Region 12 registered the lowest rate of 16.5 per 1,000 population. Variations in the crude birth rate in different places all over the country depend largely on the extent of the completeness of birth registrations and do not necessarily depict the fertility of the people in these areas.

Births By Month of Occurrence - Table 6 and Figure 6 show the distribution of births by month of occurrence. It is clearly noted that the month of December had the highest percentage with 9.1% followed by September and October with the same percentages of 8.9% and third was seen in January with 8.7% while the lowest was February with 7.6%.

Birth By Age of Mother and By Sex - Table 11 and figure 9 show the number of births by age of mother and by sex. More than one-half or 58% of all births reported occurred to women in the age group 20-29 years, 8.2% to women below 20 years and less than a percent to women 45 years and over. Male births were more than the female births in almost all age group.

Births By Age of Mother and Number of Living Issues - Living issues refer to the children born alive and are still living at the time of the last delivery of the mother. Excluded from this category were children born alive but died before the delivery of the latest child. Table 12 shows the number of living issues relative to the age of the mother. Generally the number of living issues increase as the age group of mother increases.

General Fertility Rate - The fertility rate of a country is measured in terms of total number of livebirths per 1,000 female population of child bearing age (15-49 years).

In 1988, the female population of such group numbered 14,661,229, while the total livebirths registered was 1,565,372. The fertility rate is 106.8 which is lower by 4.1 or 3.7% than that of the previous year 1987 (110.9).

TABLE 8

26

LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

A R E A	BOTH SEXES	M A L E	F E M A L E
PHILIPPINES.....	1565372	816124	749248
NAT. CAP. REGION....	250861	131334	119527
1ST DIST. MANILA....	93481	49227	44254
2ND DIST. MUN.....	30251	15757	14494
QUEZON CITY.....	49033	25541	23492
3RD DIST. MUN.....	16745	8641	8104
CALOCAN CITY.....	14909	7762	7147
4TH DIST. MUN.....	37444	19680	17764
PASAY CITY.....	8999	4726	4272
REGION 1	118154	61786	56368
ABRA.....	3696	1940	1756
BENGUET.....	9348	4849	4499
ILOCOS NORTE.....	8511	4400	4111
ILOCOS SUR.....	12021	6355	5666
LA UNION.....	14760	7636	7124
INT. PROVINCE.....	2686	1440	1246
PANGASINAN.....	47103	24719	22384
BAGUIO CITY.....	7047	3674	3373
DAGUPAN CITY.....	7219	3627	3592
LAOAG CITY.....	2087	1077	1010
SAN CARLOS CITY.....	3676	1869	1807
REGION 2	73371	38587	34784
BATANES.....	352	181	171
CAGAYAN.....	24231	12651	11580
IFUGAO.....	2990	1482	1448
ISABELA.....	30839	16429	14410
KALINGA-APAYAO.....	4355	2291	2064
INEUA VIZCAYA.....	7659	4010	3649
QUIRINO.....	3005	1548	1462
REGION 3	167644	87251	80393
BATAAN.....	11689	6114	5575
BULACAN.....	38820	20058	18762
NUEVA ECIJA.....	23983	12636	11347
PAMPANGA.....	35080	18329	16751
TARLAC.....	24250	12681	11569
ZAMBALES.....	9985	5227	4758
ANGELES CITY.....	8187	4154	4033
CABANATUAN CITY.....	6349	3270	3079

TABLE 8

LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

AREA	BOTH SEXES	MALE	FEMALE
OLONGAPO CITY.....	6957	3257	3100
PALAYAN CITY.....	534	257	259
SAN JOSE CITY.....	2410	1250	1160
REGION 4	213778	111469	102309
AURORA.....	4509	2356	2153
BATANGAS.....	29660	15424	14236
CAVITE.....	19238	9879	9359
LAGUNA.....	29288	15333	13955
MARINDUQUE.....	5363	2806	2557
MINDORO OCC.....	6795	3533	3262
MINDORO OR.....	15736	8216	7520
PALAWAN.....	8525	4417	4108
QUEZON.....	35203	18261	16942
RIZAL.....	23013	11988	11025
ROMBLON.....	6451	3353	3098
BATANGAS CITY.....	6661	3582	3079
CAVITE CITY.....	2717	1431	1286
LIPA CITY.....	4795	2555	2240
LUCENA CITY.....	5941	3122	2819
PUERTO PRINCESA CITY	3148	1609	1539
SAN PABLO CITY.....	5207	2806	2401
TAGAYTAY CITY.....	498	262	236
TRECE MARTIRES CITY.	1030	536	494
REGION 5	108163	56298	51865
ALBAY.....	24005	12518	11487
CAMARINES NORTE.....	11885	6192	5693
CAMARINES SUR.....	92882	16953	15869
CATANDUANES.....	5906	3037	2869
MASBATE.....	7097	3741	3356
SORSOGON.....	13643	7039	6604
IRIGA CITY.....	2460	1306	1154
LEGASPI CITY.....	4360	2331	2029
NAGA CITY.....	5985	3181	2804
REGION 6	111265	57709	53556
AKLAN.....	8739	4525	4214
ANTIQUE.....	9237	4754	4483
CAPIZ.....	8734	4606	4128
ILOILO.....	28799	14907	13892
NEGROS OCC.....	26042	13458	12584



TABLE 8

LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

28

A R E A	BOTH SEXES	M A L E	F E M A L E
BACOLOD CITY.....	6451	3334	3117
BAGO CITY.....	1845	935	910
CADIZ CITY.....	2089	1089	1000
ILDILLO CITY.....	9116	4771	4345
LA CARLOTA CITY.....	1211	651	560
ROXAS CITY.....	3379	1724	1655
SAN CARLOS CITY.....	2712	1444	1268
SILAY CITY.....	2911	1511	1400
REGION 7	129566	67541	62025
BOHOL.....	23421	12207	11214
CEBU.....	40596	20786	19810
NEGROS OR.....	16585	8813	7772
SIQUIJOR.....	1828	956	872
BAIS CITY.....	1407	749	658
CANLON CITY.....	1032	539	493
CEBU CITY.....	25012	13136	11876
DANAO CITY.....	2996	1280	1116
DUMAGUETE CITY.....	3423	1833	1590
LAPU-LAPU CITY.....	3938	2014	1924
MANDAWE CITY.....	3707	1894	1813
TAGBILARAN CITY.....	2605	1397	1208
TOLEDO CITY.....	3616	1937	1679
REGION 8	59906	30892	29014
LEYTE DEL NORTE.....	28549	14736	13813
LEYTE DEL SUR.....	9102	4705	4397
EASTERN SAMAR.....	4139	2090	2049
NORTHERN SAMAR.....	5305	2859	2446
WESTERN SAMAR.....	3759	1930	1829
CALBAYOG CITY.....	1388	701	687
ORMOC CITY.....	4113	2061	2052
TACLOBAN CITY.....	3551	1810	1741
REGION 9	60959	31702	29257
BASILAN.....	2052	1092	960
SULU.....	2042	1080	962
TAWI-TAWI.....	376	197	179
ZAMB. DEL NORTE.....	12095	6232	5863
ZAMB. DEL SUR.....	25734	13282	12452

TABLE 8

LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

AREA	BOTH SEXES	MALE	FEMALE
DAPITAN CITY.....	1775	952	823
DIPOLOG CITY.....	2434	1237	1197
PAGADIAN CITY.....	3273	1719	1554
ZAMBOANGA CITY.....	11178	5911	5267
REGION 10	102355	53729	48626
AGUSAN DEL NORTE....	6932	3562	3370
AGUSAN DEL SUR.....	11341	5912	5429
BUKIDNON.....	26684	14103	12581
CAMIGUIN.....	1944	1064	880
MISAMIS OCC.....	6036	3195	2841
MISAMIS OR.....	12610	6623	5987
SURIGAO DEL NORTE...	6943	3546	3397
BUTUAN CITY.....	7000	3580	3420
CAGAYAN DE ORO.....	11498	6121	5377
GINOOG CITY.....	2618	1387	1231
OROQUIETA CITY.....	1578	861	717
IOZAMIS CITY.....	2850	1477	1373
SURIGAO CITY.....	3230	1729	1501
TANGUB CITY.....	1091	569	522
REGION 11	123128	63767	59361
COTABATO SOUTH.....	19589	10073	9516
DAVAO ORIENTAL.....	33754	17335	16419
DAVAO DEL NORTE.....	9347	4830	4517
DAVAO DEL SUR.....	15111	8000	7111
SURIGAO DEL SUR.....	12236	6274	5962
DAVAO CITY.....	25159	13229	11930
GEN. SANTOS CITY....	7932	4026	3906
REGION 12	46222	24059	22163
NORTH COTABATO.....	14186	7411	6775
LANAO DEL NORTE.....	8876	4577	4299
LANAO DEL SUR.....	1083	522	561
MAGUINDANAO.....	2205	1071	1134
SULTAN KUDARAT.....	8804	4596	4208
COTABATO CITY.....	2894	1536	1358
ILIGAN CITY.....	7615	4048	3567
MARAWI CITY.....	559	298	261

TABLE 9

30

FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

A R E A	TOTAL BIRTHS	BIRTHS ATTENDED BY:				
		M.D.	Nurse	Midwife	Trad. Midwife	Others
PHILIPPINES.....	1565372	382357	21156	468979	669200	23680
NAT. CAP. REGION..	250861	144149	2987	78121	23893	1711
1ST DIST. MANILA..	93481	74785	196	17256	704	540
2ND DIST. MUN.....	30251	16173	432	10510	3026	110
QUEZON CITY.....	49039	28553	290	13548	6153	489
3RD DIST. MUN.....	16745	2888	515	10072	3098	172
CALOCAN CITY....	14909	4249	166	6243	4059	192
4TH DIST. MUN.....	37444	12180	643	18757	5714	150
PASAY CITY.....	8998	5921	745	1735	1139	58
REGION 1	118154	23600	2529	47559	37779	6687
ABRA.....	3696	562	32	953	1956	193
BENGUET.....	9348	2418	668	2096	555	3611
ILOCOS NORTE.....	8511	965	162	5263	1600	521
ILOCOS SUR.....	12021	1069	291	5215	5055	391
LA UNION.....	14760	3241	200	6666	4607	46
MT. PROVINCE.....	2686	544	51	632	96	1363
PANGASINAN.....	47103	2160	1014	23615	20215	99
BAGUIO CITY.....	7047	6293	47	245	65	397
DAGUPAN CITY.....	7219	4727	12	1117	1354	9
LAOAG CITY.....	2087	565	43	901	550	28
SAN CARLOS CITY...	3676	1056	9	856	1726	29
REGION 2	73371	4490	1007	24034	38970	4870
BATANES.....	352	57	22	255	18	0
CABAYAN.....	24231	980	329	7550	14939	433
IFUGAO.....	2930	404	57	630	430	1409
ISABELA.....	30839	1739	396	10829	17012	863
KALINGA-APAYAO....	4355	390	88	1237	1738	902
NEUA VIZCAYA.....	7659	772	58	2926	2874	1029
QUIRINO.....	3005	148	57	607	1959	234
REGION 3	167644	51977	2291	70048	42040	1288
BATAAN.....	11689	3334	105	6698	1502	50
BULACAN.....	38820	11362	495	18804	7779	380
NUEVA ECIJA.....	23983	1195	550	12758	9425	55
PAMPANGA.....	35080	15000	148	12883	6750	299
TARLAC.....	24250	6497	601	8994	7837	321
ZAMBALES.....	9985	2010	144	4070	3722	39
ANGELES CITY.....	8187	3770	93	2710	1510	104
CABANATUAN CITY...	6349	4765	38	597	940	9

TABLE 9 FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

A R E A	TOTAL BIRTHS	BIRTHS ATTENDED BY:				
		M.D.	Nurse	Midwife	Trad. Midwife	Others
OLONGAPO CITY.....	6357	3741	54	1411	1135	16
PALAYAN CITY.....	534	12	19	92	410	1
SAN JOSE CITY.....	2410	291	44	1031	1030	14
REGION 4	213778	35131	3034	64871	108812	1930
AURORA.....	4509	369	34	336	3794	96
BATANGAS.....	29660	2333	494	12807	13913	113
CAVITE.....	19238	2479	453	9404	6864	98
LAGUNA.....	29288	5748	390	12391	10417	342
MARINDUQUE.....	5363	340	65	831	4121	6
MINDORO OCC.....	6795	363	112	1185	4986	149
MINDORO OR.....	15736	785	158	1097	13661	35
PALAWAN.....	8525	215	186	1429	6613	82
QUEZON.....	35203	2496	553	7802	23580	772
RIZAL.....	23013	4361	312	11918	6261	161
ROMBLON.....	6451	743	91	1330	4272	15
BATANGAS CITY.....	6661	3059	12	1664	1915	11
CAVITE CITY.....	2717	2090	10	322	295	0
LIPA CITY.....	4795	1687	6	704	2238	160
LUCENA CITY.....	5941	3962	21	101	1852	5
PUERTO PRINCESA...	3148	504	102	457	2083	2
SAN PABLO CITY.....	5207	2788	33	717	1668	1
TAGAYTAY CITY.....	498	10	2	280	206	0
TRECE MARTIRES....	1030	799	0	96	133	2
REGION 5	108163	11159	1355	22647	72398	604
ALBAY.....	24005	1142	220	4994	17411	238
CAMARINES NORTE...	11885	716	609	3192	7343	25
CAMARINES SUR.....	32822	513	255	7157	24700	197
CATANDUANES.....	5906	876	95	1358	3568	9
MASBATE.....	7097	808	62	1428	4777	22
SORSOGON.....	13643	1620	39	2357	9572	55
IRIGA CITY.....	2460	160	7	752	1530	11
LEGASPI CITY.....	4360	1962	26	607	1747	18
NAGA CITY.....	5985	3362	42	802	1750	29
REGION 6	111265	23431	989	22651	62812	1382
AKLAN.....	8739	1167	120	1997	5171	284
ANTIQUE.....	9237	992	93	2044	6114	54
CAPIZ.....	8734	534	45	1429	6699	27
ILOILO.....	28799	4040	157	7062	17070	470
NEGROS OCC.....	26042	2374	304	6112	17078	174

TABLE 9

FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

32

A R E A	TOTAL BIRTHS	BIRTHS ATTENDED BY:				
		M.D.	Nurse	Midwife	Trad. Midwife	Others
BACOLOD CITY.....	6451	5158	26	224	1094	9
BAGO CITY.....	1845	15	18	663	1090	59
CADIZ CITY.....	2089	47	35	645	1319	43
ILOILO CITY.....	9116	5923	76	783	2096	238
LA CARLOTA CITY...	1211	244	8	404	555	0
LOKAS CITY.....	3379	832	5	837	1693	12
SAN CARLOS CITY...	2712	162	102	380	2060	8
SILAY CITY.....	2911	2003	0	71	833	4
REGION 7	129566	29224	1655	44595	53188	904
BOHOL.....	23421	848	154	11371	10912	136
CEBU.....	40596	2343	342	19424	18225	262
NEGROS OR.....	16585	749	89	5011	10630	106
SIGUIJOR.....	1828	226	9	1463	129	1
BAIS CITY.....	1407	183	24	192	1006	2
CANLADON CITY.....	1032	9	1	59	962	1
CEBU CITY.....	25012	17230	523	2709	4343	207
DANAO CITY.....	2396	546	4	598	1099	149
DUMAGUETE CITY....	3423	2818	9	99	497	0
LAPU-LAPU CITY....	3938	692	68	1179	1976	23
MANDAWE CITY.....	3707	272	316	1563	1544	12
TAGBILARAN CITY...	2605	1940	52	600	9	4
TOLEDO CITY.....	3616	1368	64	327	1856	1
REGION 8	59906	10030	802	12792	35286	996
LEYTE DEL NORTE...	28549	2597	402	5615	19270	665
LEYTE DEL SUR.....	9102	1508	189	2559	4796	50
EASTERN SAMAR.....	4139	465	82	1343	2197	52
NORTHERN SAMAR....	5305	655	56	1062	3443	89
WESTERN SAMAR.....	3759	344	64	1375	1868	108
CALBAYOG CITY.....	1388	462	4	133	783	6
ORMOC CITY.....	4113	1044	0	507	2544	18
TACLOBAN CITY.....	3551	2955	5	198	385	8
REGION 9	60959	8327	1928	19700	30527	477
BASILAN.....	2052	258	67	511	1195	21
SULU.....	2042	512	65	1003	451	11
TAWI-TAWI.....	376	34	68	134	123	17
ZAMB. DEL NORTE...	12095	305	95	4273	7394	28
ZAMB. DEL SUR.....	25734	548	782	7733	16361	310

TABLE 9

FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1968

A R E A	TOTAL BIRTHS	BIRTHS ATTENDED BY:				
		M.O.	Nurse	Midwife	Trad. Midwife	Others
DAPITAN CITY.....	1775	786	0	263	725	1
DIPOLOG CITY.....	2434	975	6	857	588	8
PAGADIAN CITY.....	3273	699	55	1834	681	4
ZAMBOANGA CITY....	11178	4210	790	3092	3009	77
REGION 10	102355	14515	1039	22320	62781	1700
AGUSAN DEL NORTE..	6932	442	143	1958	4347	42
AGUSAN DEL SUR....	11341	367	153	2659	7980	182
BUKIDNON.....	26684	2776	258	5016	17647	987
CANIGUIN.....	1944	231	42	960	711	0
MISAMIS OCC.....	6036	228	80	2207	3457	64
MISAMIS OR.....	12610	373	79	4571	7531	56
SURIGAO DEL NORTE.	6943	345	82	1104	5388	24
BUTUAN CITY.....	7000	1977	15	743	4253	12
CAGAYAN DE ORO....	11498	4512	130	1317	5252	287
GINGOOG CITY.....	2618	417	5	591	1593	12
OROQUIETA CITY....	1578	511	2	511	543	11
OSAMIS CITY.....	2850	946	25	259	1608	12
SURIGAO CITY.....	3230	1245	21	113	1841	10
TANGUB CITY.....	1091	145	4	311	630	1
REGION 11	123128	20141	1127	24443	76751	666
COTABATO SOUTH....	19589	1100	171	5374	12902	42
DAVAO ORIENTAL....	33754	3202	497	6340	23349	366
DAVAO DEL NORTE...	9347	586	26	1982	6744	9
DAVAO DEL SUR.....	15111	1866	69	2451	10661	64
SURIGAO DEL SUR...	12236	1526	48	2847	7741	74
DAVAO CITY.....	25159	10635	99	3830	10527	68
GEN. SANTOS CITY..	7932	1226	217	1619	4827	43
REGION 12	46222	6183	413	15198	23963	465
NORTH COTABATO....	14186	435	79	2841	10617	214
LANAO DEL NORTE...	8876	595	58	5393	2700	130
LANAO DEL SUR.....	1083	23	49	463	500	48
MAGUINDANAO.....	2205	52	19	829	1297	8
SULTAN KUORAT....	8804	423	60	3117	5177	27
COTABATO CITY.....	2894	1400	67	580	834	13
ILIGAN CITY.....	7615	2896	69	1882	2748	20
MARAWI CITY.....	559	359	12	93	90	5

TABLE 10

PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

34

A R E A	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY:				
		M.D.	Nurse	Midwife	Trad. Midwife	Others
PHILIPPINES.....	1565372	24.4	1.4	29.9	42.8	1.5
NAT. CAP. REGION..	250861	57.5	1.2	31.1	9.5	0.7
1ST DIST. MANILA..	93481	80.0	0.2	18.5	0.8	0.5
2ND DIST. MUN.....	30251	59.5	1.4	34.7	10.0	0.4
QUEZON CITY.....	49033	58.2	0.6	27.6	12.5	1.1
3RD DIST. MUN.....	16745	17.2	3.1	60.1	18.5	1.1
CALOOCAN CITY....	14909	28.5	0.8	41.9	27.2	1.6
4TH DIST. MUN.....	37444	32.5	1.7	50.1	15.3	0.4
PASAY CITY.....	8998	59.1	8.3	19.3	12.7	0.6
REGION 1	118154	20.0	2.1	40.2	32.0	5.7
AREA.....	3696	15.2	0.9	25.8	52.9	5.2
BENGUET.....	9348	25.9	7.1	22.4	5.9	38.7
ILOCOS NORTE.....	8511	11.3	1.9	61.8	18.8	6.2
ILOCOS SUR.....	12021	8.9	2.4	43.4	42.1	3.2
ILA UNION.....	14760	22.0	1.4	45.2	31.2	0.2
MT. PROVINCE.....	2686	20.3	1.9	23.5	3.6	50.7
PANGASINAN.....	47103	4.6	2.2	50.1	42.9	0.2
BAGUIO CITY.....	7047	89.3	0.7	3.5	0.9	5.6
DAGUPAN CITY.....	7219	65.5	0.2	15.5	18.7	0.1
LAOAG CITY.....	2087	27.1	2.1	43.2	26.3	1.3
SAN CARLOS CITY...	3676	28.7	0.2	23.3	47.0	0.8
REGION 2	73371	6.1	1.4	32.8	53.1	6.6
BATANES.....	352	16.2	6.3	72.4	5.1	-
CAGAYAN.....	24231	4.0	1.4	31.2	61.6	1.8
IFUGAO.....	2930	13.8	1.9	21.5	14.7	48.1
ISABELA.....	30839	5.6	1.3	35.1	55.2	2.8
KALINGA-APAYAO....	4355	9.0	2.0	28.4	39.9	20.7
NUEVA VIZCAYA.....	7659	10.1	0.8	38.2	37.5	13.4
QUIRINO.....	3005	4.9	1.9	20.2	65.2	7.8
REGION 3	167644	31.0	1.4	41.8	25.1	0.7
BATAAN.....	11689	28.5	0.9	57.3	12.9	0.4
BULACAN.....	38820	29.3	1.3	48.4	20.0	1.0
NUEVA ECIJA.....	23983	5.0	2.3	53.2	39.3	0.2
PAMPANGA.....	35080	42.8	0.4	36.7	19.2	0.9
TARLAC.....	24250	26.8	2.5	37.1	32.3	1.3
ZAMBALES.....	9985	20.1	1.4	40.8	37.3	0.4
ANGELES CITY.....	8187	46.0	1.1	33.1	18.5	1.3
CABANATUAN CITY...	6349	75.1	0.6	9.4	14.8	0.1

TABLE 10

PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

A R E A	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY:				
		M.O.	Nurse	Midwife	Trad. Midwife	Others
OLONGAPO CITY.....	6357	58.8	0.8	22.2	17.9	0.3
PALAYAN CITY.....	534	2.2	3.6	17.2	76.8	0.2
SAN JOSE CITY.....	2410	12.1	1.8	42.8	42.7	0.6
REGION 4	213778	16.4	1.4	30.3	50.9	1.0
AURORA.....	4509	8.2	0.8	7.5	82.8	0.7
BATANGAS.....	29660	7.9	1.7	43.2	46.9	0.3
CAVITE.....	19238	12.9	2.4	48.9	35.7	0.1
LAGUNA.....	29288	19.6	1.3	42.9	35.6	1.2
MARINDUQUE.....	5363	6.3	1.2	15.5	76.8	0.2
MINDORO OCC.....	6795	5.3	1.6	17.4	73.4	2.3
MINDORO OR.....	15736	5.0	1.0	7.0	86.8	0.2
PALAWAN.....	8525	2.5	2.2	16.8	77.6	0.9
QUEZON.....	35203	7.1	1.6	22.2	67.0	2.1
RIZAL.....	23019	18.9	1.4	51.8	27.2	0.7
ROMBLON.....	6451	11.5	1.4	20.6	66.2	0.3
BATANGAS CITY.....	6661	45.9	0.2	25.0	28.7	0.2
CAVITE CITY.....	2717	76.9	0.4	11.8	10.9	-
LIPA CITY.....	4795	35.2	0.1	14.7	46.7	3.3
LUCENA CITY.....	5941	66.7	0.3	1.7	31.2	0.1
PUERTO PRINCESA.....	3148	16.0	3.2	14.5	66.2	0.1
SAN PABLO CITY.....	5207	53.5	0.6	13.8	32.0	0.1
ITAGAYTAY CITY.....	498	2.0	0.4	56.2	41.4	-
TRECE MARTIRES.....	1030	77.6	-	9.3	12.9	0.2
REGION 5	108163	10.3	1.3	20.9	66.9	0.6
ALBAY.....	24005	4.8	0.9	20.8	72.5	1.0
CAMARINES NORTE.....	11885	6.0	5.1	26.9	61.8	0.2
CAMARINES SUR.....	32822	1.6	0.8	21.8	75.3	0.5
CATANDUANES.....	5906	14.8	1.6	23.0	60.4	0.2
MASBATE.....	7097	11.4	0.9	20.1	67.3	0.3
SORSOGON.....	13643	11.9	0.3	17.3	70.2	0.3
IRIGA CITY.....	2460	6.5	0.3	30.6	62.2	0.4
LEGASPI CITY.....	4360	45.0	0.6	13.9	40.0	0.5
NAGA CITY.....	5985	56.2	0.7	13.4	29.2	0.5
REGION 6	111265	21.1	0.9	20.4	56.4	1.2
AKLAN.....	8739	13.4	1.4	22.9	59.2	3.1
ANTIQUE.....	9237	10.1	1.0	22.1	66.2	0.6
CAPIZ.....	8734	6.1	0.5	16.4	76.7	0.3
ILOILO.....	28799	14.0	0.5	24.5	59.3	1.7
INEGROS OCC.....	26042	9.1	1.2	23.5	65.6	0.6



TABLE 10

PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1968

A R E A	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY:				
		M.O.	Nurse	Midwife	Trad. Midwife	Others
BACOLOD CITY.....	6451	80.0	0.4	3.5	16.0	0.1
BAGO CITY.....	1845	0.8	1.0	35.9	59.1	3.2
CADIZ CITY.....	2089	2.2	1.7	30.9	63.1	2.1
ILOILO CITY.....	9116	65.0	0.8	8.6	23.0	2.6
LA CARLOTA CITY...	1211	20.1	0.7	33.4	45.8	-
ROXAS CITY.....	3379	24.6	0.1	24.8	50.1	0.4
SAN CARLOS CITY...	2712	6.0	3.8	14.0	76.0	0.2
SILAY CITY.....	2911	68.8	-	2.4	28.6	0.2
REGION 7	129566	22.6	1.3	34.4	41.1	0.6
BOHOL.....	23421	3.6	0.7	48.5	46.6	0.6
CEBU.....	40596	5.8	0.8	47.8	44.9	0.7
NEGROS OR.....	16585	4.5	0.5	30.2	64.1	0.7
SIQUIJOR.....	1828	12.4	0.5	80.0	7.1	0.05
BAIS CITY.....	1407	13.0	1.7	13.6	71.5	0.2
CANLARAN CITY.....	1032	0.9	0.1	5.7	93.2	0.1
CEBU CITY.....	25012	68.9	2.1	10.8	17.4	0.8
DANAO CITY.....	2396	22.8	0.2	25.0	45.9	6.1
DUMAGUETE CITY....	3423	82.3	0.3	2.9	14.5	-
LAPU-LAPU CITY....	3938	17.6	1.7	29.9	50.2	0.6
MANDAUE CITY.....	3707	7.3	8.5	42.2	41.7	0.3
TAGBILARAN CITY...	2605	74.5	2.0	23.0	0.3	0.2
TOLEDO CITY.....	3616	37.8	1.8	9.0	51.3	0.1
REGION 8	59906	16.7	1.3	21.4	58.9	1.7
LEYTE DEL NORTE...	28549	9.1	1.4	19.7	67.5	2.3
LEYTE DEL SUR.....	9102	16.6	2.1	28.1	52.7	0.5
EASTERN SAMAR.....	4139	11.2	2.0	32.4	53.1	1.3
NORTHERN SAMAR....	5305	12.3	1.1	20.0	64.9	1.7
WESTERN SAMAR.....	3759	9.2	1.7	36.6	49.7	2.8
CALBAYOG CITY.....	1388	33.3	0.3	9.6	56.4	0.4
ORMOC CITY.....	4113	25.4	-	12.3	61.9	0.4
TACLOBAN CITY.....	3551	83.2	0.1	5.6	10.8	0.3
REGION 9	60959	13.7	3.2	32.3	50.1	0.7
BASILAN.....	2052	12.6	3.3	24.9	58.2	1.0
SULU.....	2042	25.1	3.2	49.1	22.1	0.5
TAWI-TAWI.....	376	9.0	18.1	35.6	32.7	4.6
ZAMB. DEL NORTE...	12095	2.5	0.8	95.3	61.1	0.3
ZAMB. DEL SUR.....	25734	2.1	3.0	30.0	63.6	1.3

TABLE 10

PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1988

A R E A	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY:				
		M.D.	Nurse	Midwife	Trad. Midwife	Others
DAPITAN CITY.....	1775	44.3	-	14.8	40.8	0.1
DIPOLOG CITY.....	2494	40.1	0.2	35.2	24.2	0.3
PAGADIAN CITY.....	3273	21.4	1.7	56.0	20.8	0.1
ZAMBOANGA CITY.....	11178	37.7	7.1	27.7	26.9	0.6
REGION 10	102355	14.2	1.0	21.8	61.3	1.7
AGUSAN DEL NORTE..	6932	6.4	2.1	28.2	62.7	0.6
AGUSAN DEL SUR....	11341	9.2	1.3	23.4	70.4	1.7
BUKIDNON.....	26684	10.4	1.0	19.8	66.1	3.7
CAMIGUIN.....	1944	11.9	2.1	49.4	36.6	-
MISAMIS OCC.....	6036	3.8	1.3	36.6	57.3	1.0
MISAMIS OR.....	12610	3.0	0.6	36.2	59.7	0.5
SURIGAO DEL NORTE..	6943	5.0	1.2	15.9	77.6	0.3
BUTUAN CITY.....	7000	28.2	0.2	10.6	60.8	0.2
CAGAYAN DE ORO....	11498	39.2	1.1	11.5	45.7	2.5
GINGOOG CITY.....	2618	15.9	0.2	22.6	60.8	0.5
OROGUETA CITY.....	1578	32.4	0.1	32.4	34.4	0.7
OZAMIS CITY.....	2850	33.2	0.9	9.1	56.4	0.4
SURIGAO CITY.....	3230	38.5	0.7	3.5	57.0	0.3
TANSUB CITY.....	1091	13.3	0.4	28.5	57.7	0.1
REGION 11	123128	16.4	0.9	19.9	62.3	0.5
COTABATO SOUTH....	19589	5.6	0.9	27.4	65.9	0.2
DAVAO DEL NORTE...	33754	9.5	1.5	18.8	69.2	1.0
DAVAO ORIENTAL.....	9347	6.3	0.3	21.2	72.2	0.09
DAVAO DEL SUR.....	15111	12.3	0.5	16.2	70.6	0.4
SURIGAO DEL SUR....	12236	12.5	0.4	23.3	63.3	0.5
DAVAO CITY.....	25159	42.3	0.4	15.2	41.8	0.3
GEN. SANTOS CITY..	7932	15.5	2.7	20.4	60.9	0.5
REGION 12	46222	13.4	0.9	32.9	51.8	1.0
NORTH COTABATO....	14186	3.1	0.6	20.0	74.8	1.5
LANAO DEL NORTE...	8876	6.7	0.7	60.8	30.4	1.4
LANAO DEL SUR.....	1083	2.1	4.5	42.8	46.2	4.4
MAGUINDANAO.....	2205	2.4	0.9	37.6	59.8	0.3
SULTAN KUDARAT....	8804	4.8	0.7	35.4	58.8	0.3
COTABATO CITY.....	2894	48.4	2.3	20.0	28.8	0.5
ILIGAN CITY.....	7615	38.0	0.9	24.7	36.1	0.3
MARAWI CITY.....	559	64.2	2.1	16.6	16.1	1.0

BIRTHS BY ATTENDANCE  
PHILIPPINES  
1988

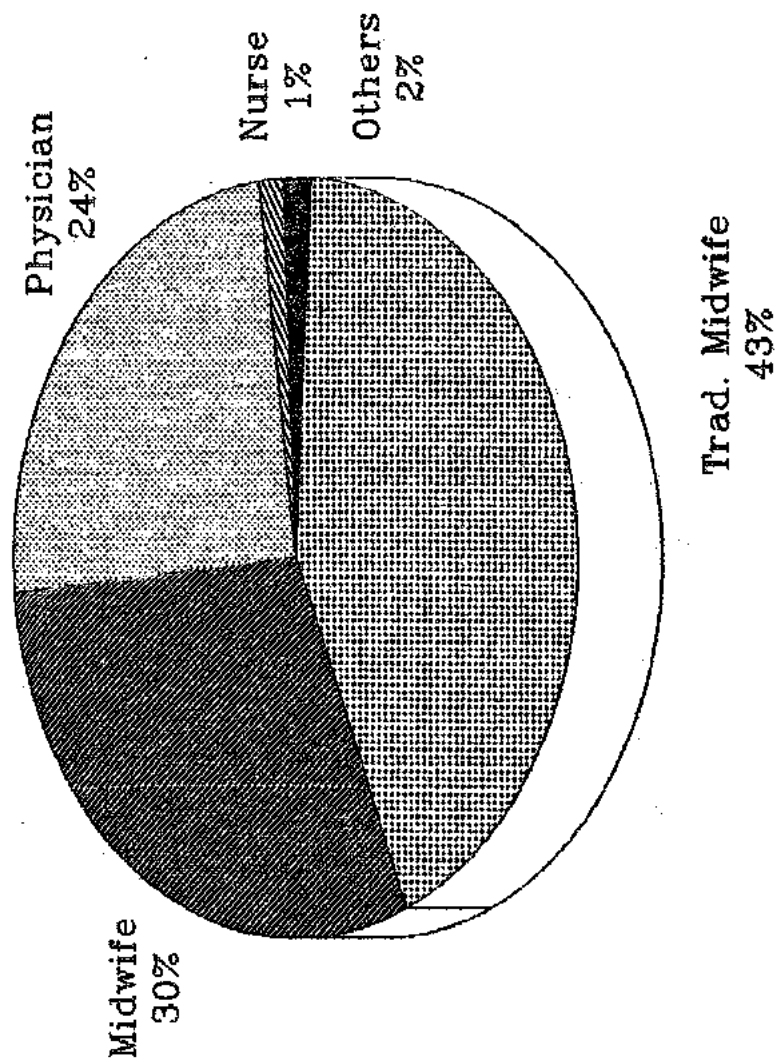


Fig. 8

TABLE 11

39

LIVEBIRTHS BY AGE OF MOTHER & BY SEX  
PHILIPPINES  
1988

AGE OF MOTHER	BOTH SEXES	PERCENTAGE	MALE	FEMALE
	NUMBER	DISTRIBUTION	NUMBER	NUMBER
ALL AGES.....	1,565,372	100.0	815,402	749,970
Under 15 years.....	430	0.03	313	117
15 - 19 years.....	128,355	8.2	68,876	59,479
20 - 24 years.....	452,037	28.8	239,502	212,535
25 - 29 years.....	455,680	29.2	234,806	220,874
30 - 34 years.....	293,063	18.7	148,710	144,353
35 - 39 years.....	162,900	10.4	81,399	81,501
40 - 44 years.....	52,423	3.4	28,177	24,246
45- 49 years.....	8,358	0.5	4,696	3,662
50 years & Over.....	1,298	0.1	1,096	142
Not Stated.....	10,888	0.7	7,827	3,061

# LIVEBIRTHS BY AGE OF MOTHER & BY SEX PHILIPPINES 1988

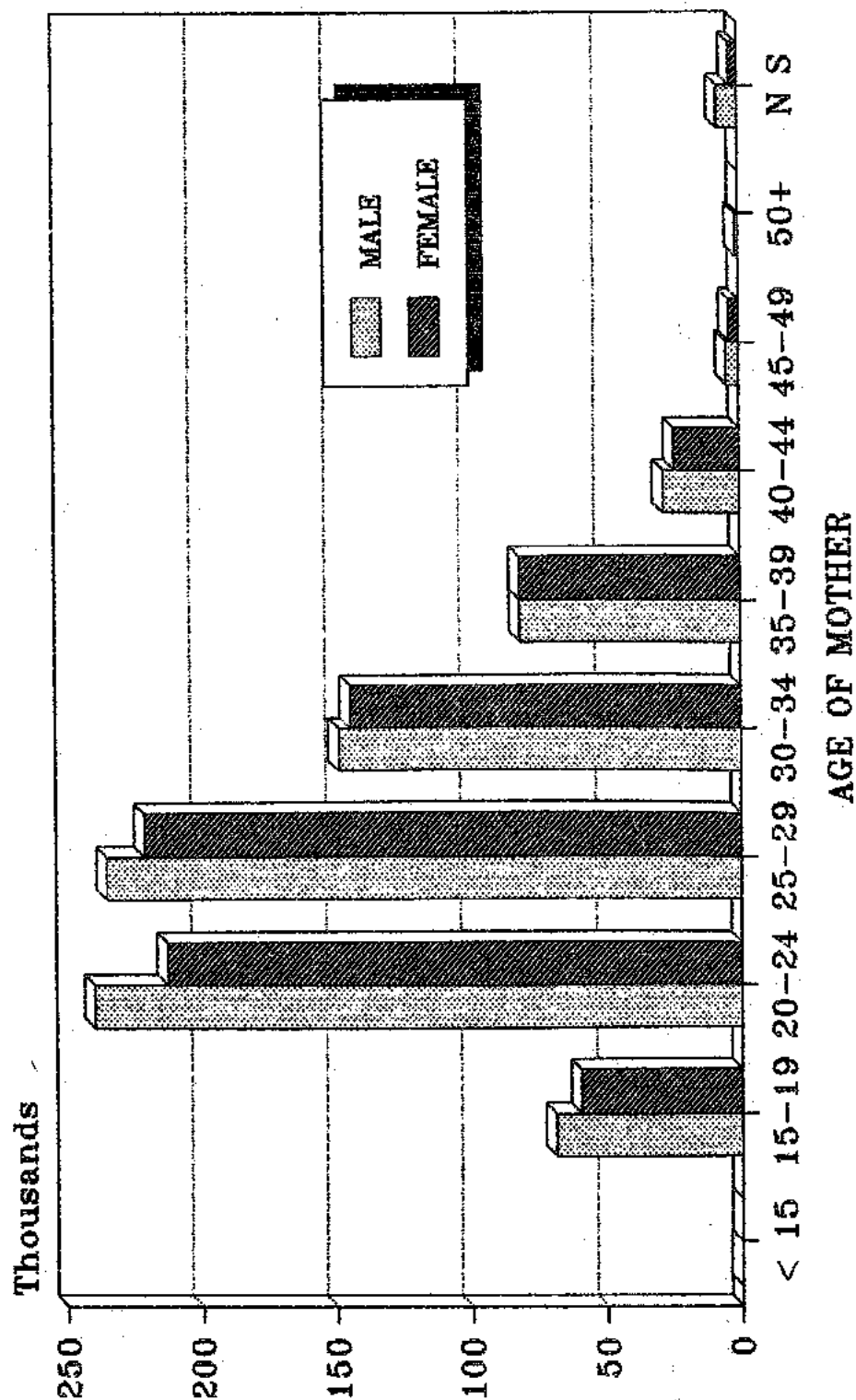


Fig. 9

TABLE 12

LIVEBIRTHS BY AGE OF MOTHER & NUMBER OF LIVING ISSUES  
PHILIPPINES  
1988

AGE OF MOTHER (In Years)	TOTAL	NUMBER OF LIVING ISSUES				
		1	2	3	4	5
ALL AGES.....	1565372	437847	354266	264060	181962	118855
Under 15 years.....	430	430	0	0	0	0
15 - 19 years.....	128355	97669	25256	2920	362	115
20 - 24 years.....	452037	195708	153569	72756	22925	5023
25 - 29 years.....	455680	97461	114413	108238	75580	37707
30 - 34 years.....	293063	30840	43388	55472	54481	45370
35 - 39 years.....	162900	9978	12954	19360	23051	23687
40 - 44 years.....	52423	2456	2392	3444	4586	5501
45- 49 years.....	8358	515	377	436	550	727
50 years & Over.....	1238	140	126	89	113	117
Not Stated.....	10888	2650	1791	1345	914	608

LIVEBIRTHS BY AGE OF MOTHER & NUMBER OF LIVING ISSUES  
PHILIPPINES  
1988

AGE OF MOTHER (In Years)	NUMBER OF LIVING ISSUES					
	6	7	8	9	10 & OVER	NOT STATED
ALL AGES.....	77280	50002	30717	18196	7570	24617
Under 15 years.....	0	0	0	0	0	0
15 - 19 years.....	0	0	0	0	0	2033
20 - 24 years.....	1294	426	142	92	54	648
25 - 29 years.....	13851	3989	1033	331	86	2991
30 - 34 years.....	12183	17722	7850	2679	767	2916
35 - 39 years.....	22947	19761	14109	8581	3272	5200
40 - 44 years.....	6251	6781	6387	5390	2800	6435
45- 49 years.....	829	943	928	920	506	1627
50 years & Over.....	115	136	94	94	54	160
Not Stated.....	415	244	174	109	31	2607

### NOTIFIABLE DISEASES STATISTICS

Statistics on notifiable diseases presented and analyzed in this report were collected from the Morbidity Reports (HIS Form No. 3), received weekly from all provincial and city health offices throughout the country.

In accordance with Act. 3573 (Law on Reporting of Notifiable Diseases), the Department of Health issued the following list of notifiable diseases in 1984: Cholera, Plague, Smallpox, Yellow Fever, Accidents, AIDS, Bronchitis, Dengue Hemorrhagic Fever, Diarrheas, Diphtheria, Diseases of the Heart, Accidents, Filariasis, Gonococcal Infections, Hepatitis Viral, Influenza, Leprosy, Malaria, Malignant Neoplasms, Measles, Pneumonias, Poliomyelitis, Schistosomiasis, Syphilis, Tetanus, T.B. Meningitis, T.B. Other Forms, Typhoid and Paratyphoid Fever and Other Salmonella Infections and Whooping Cough. The first four (4) diseases are quarantinable.

All notifiable diseases in the Philippines are communicable except Malignant Neoplasms, Diseases of the Heart and Accidents.

Trend of Notifiable Diseases - The morbidity and mortality from notifiable diseases for the past 20 years are shown in Table 18. It may be noted that deaths from notifiable diseases showed a continued declining trend except Measles, Malignant Neoplasms and Infectious Hepatitis which increased in 1967. The incidence of Diarrheas and Leprosy showed a generally increasing trend during the 20-year period (1967-1987). Improved method of reporting and notification were mainly responsible for the increase in number of reported cases. On the other hand, the incidence of Varicella, Acute Poliomyelitis, Whooping Cough and Tetanus had generally decreased from 1967-1987. Measles and Influenza present irregular trends on account of outbreaks at almost yearly intervals, while Malignant Neoplasms had consistently increased in incidence and mortality.

Figure 27 presents the trend from 1938 to 1988 of the death rate from communicable diseases as a group, in comparison with that of Malignant Neoplasms and Diseases of the Heart. It may be noted that while the mortality rate of communicable diseases presented a generally decreasing pattern, those of the Diseases of the Heart and Malignant Neoplasms showed distinctive increasing trends.

Leading Causes of Morbidity - The ten (10) leading causes of Morbidity in 1988 and for the past 5 years (1983-1987) are shown in Table 13 and Figure 10. Of these diseases, three (3) Respiratory Diseases, namely: Bronchitis, Pneumonias and Tuberculosis which occupied first, fourth and fifth positions with a total of 1,144,526 or 1949.1 per 100,000 population. One (1) is Gastro-intestinal namely: Diarrheal Diseases which ranked second with a total of 576,404 cases or 1090.2 per 100,000 population. It may be noted that the total number of cases for Diarrheal Diseases showed a continuously increasing trend for the past eight (8) years (1980-1987) but a decrease was observed in 1988 with 5.1% over the previous year (1987). Two (2) are Viral Diseases - Influenza and Measles which occupied third and ninth places respectively. The former had total of 576,404 cases or 981.6 per 100,000 population and the latter had a total of 70,801. One is parasitic - Malaria which is in sixth position with a total of 114,679 cases or 195.3 per 100,000 population. The last three (3) diseases are non-communicable - Accidents with 188.7 per 100,000 population, Diseases of the Heart with 129.8 per 100,000 population and Malignant Neoplasms with 49.3 per 100,000 population.

Seasonal Variations - The seasonal variations and expected limits of weekly incidence of selected notifiable diseases are shown in Table 17. Diarrheas, Measles, Influenza, Diphtheria and Varicella showed variation of seasonal incidence.

The expected limits of the weekly number of cases are computed as follows: From the number of cases reported for each morbidity calendar week for the past 5 years, three central figures are selected by eliminating the highest and lowest figures. The average of the middle-most figure (median) and the highest of the three central figures is taken as the upper limit representing the maximum limit for the expected weekly number of cases. The lower limit is the average of the middle-most figure and the lowest of the three central figures.

A g e - The age distribution of the cases of notifiable diseases is shown in Table 15. Each diseases has its particular distribution as to age. Some of them were mostly confined in the younger age group such as Diphtheria, Measles, Whooping Cough, Varicella, Poliomyelitis, Diarrhea and H-Fever. A few of them such as Tuberculosis, All Forms, Leprosy, Malignant Neoplasms, Diseases of the Heart and Accidents were confined to the older age groups. The rest of the notifiable diseases were almost evenly distributed among the different age group.



Sex - The sex classification of the reported cases of notifiable diseases is shown in Table 15. It is noted that there was no significant sex difference among the cases, while in some age groups, the number of cases for the either sex may be slightly higher than the other, yet sex did not seem to play an important role in the incidence of these diseases.

Geographical Distribution - The notifiable diseases were almost evenly distributed throughout the country with a few exception. Schistosomiasis for instance was highly endemic in Health Regions 8, 10, 11 and 12, while Filariasis was prevalent in Health Regions 1, 3, and 11. Malaria affected mostly the hinterlands and newly opened settlement areas. As shown in Table 16, practically the same disease problems were present in all thirteen (13) Health Regions in the country.

TABLE 13

45

MORBIDITY: TEN (10) LEADING CAUSES  
No. & Rate/100,000 Pop.  
PHILIPPINES  
5 YEAR AVERAGE (1983-1987) & 1988

C A U S E	5-Year Average (1983-1987)		1 9 8 8	
	NUMBER	RATE	NUMBER	RATE
1. BRONCHITIS.....(466)	558276	950.7	759511	1293.4
2. DIARRHEAL DISEASES..... .....(002-009)	511268	870.6	640185	1090.2
3. INFLUENZA.....(487)	410177	698.5	576404	981.6
4. PNEUMONIAS.....(480-486)	179150	305.1	201902	343.8
5. TUBERCULOSIS, ALL FORMS... .....(010-018; 137)	146119	248.8	183113	311.8
6. MALARIA.....(084)	105945	180.4	114679	195.3
7. ACCIDENTS*..... .....(800-999; E800-E949)	80330	136.8	110805	188.7
8. DISEASES OF THE HEART*.... .....(390-398; 402-404; 410-429)	59713	101.7	76221	129.8
9. MEASLES.....(055)	64641	110.1	70801	120.6
10. MALIGNANT NEOPLASMS..... .....(140-239)	25696	43.8	28940	49.3

\* DECLARED NOTIFIABLE DISEASES IN 1984.

# MORBIDITY: TEN (10) LEADING CAUSES

Rate per 100,000 Population  
Phils., 5 Yr. Ave.(1983-1987) & 1988

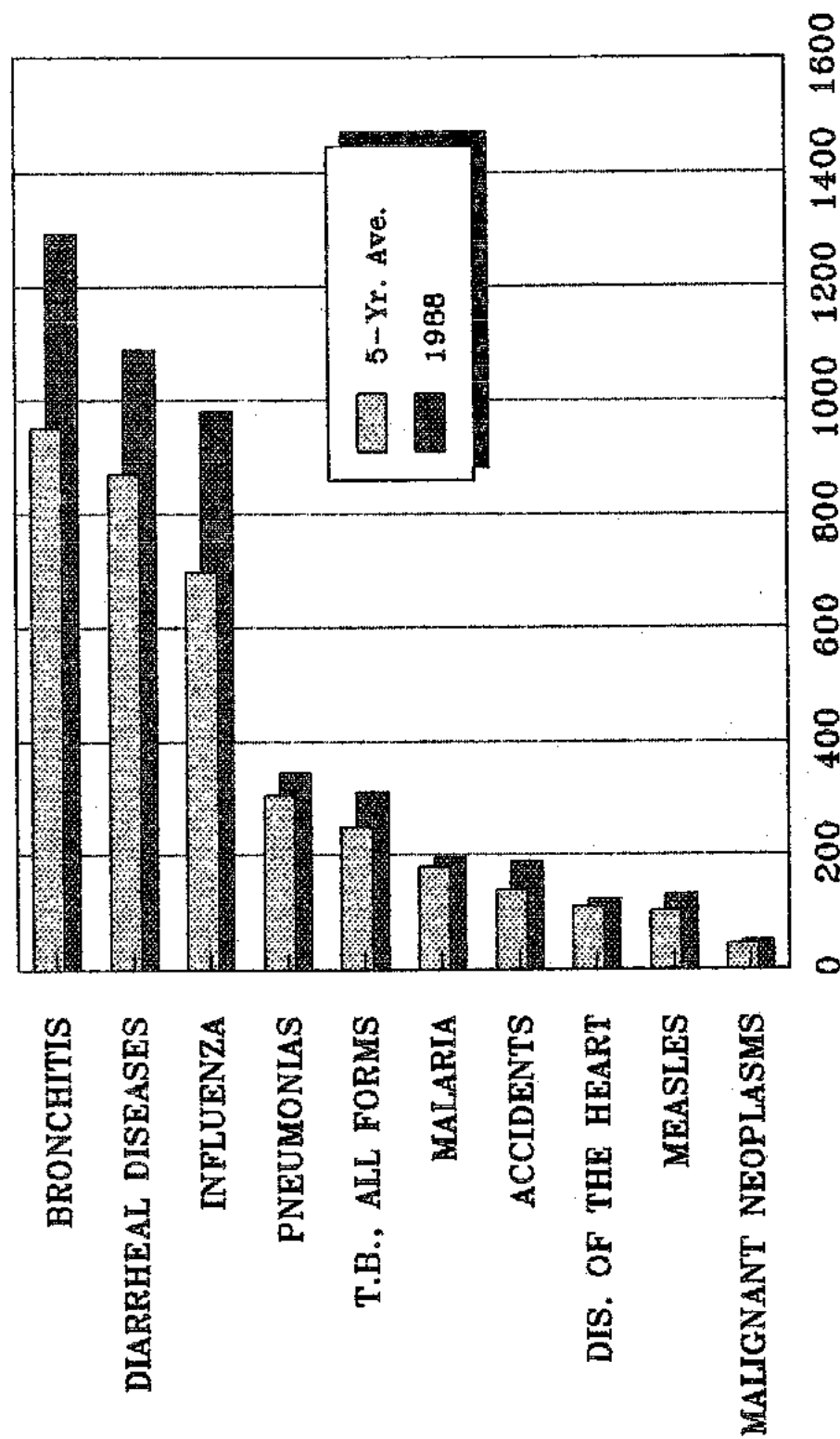


Fig. 10

TABLE 14

47

MORBIDITY: TEN (10) LEADING CAUSES  
 NATIONAL CAPITAL REGION (METRO-MANILA)  
 No. & Rate/100,000 Population  
 PHILIPPINES  
 1988

NATIONAL CAPITAL REGION		
CAUSES	NUMBER	RATE
1. BRONCHITIS.....	43,956	586.6
2. DIARRHEAL DISEASES.....	25,983	346.7
3. PNEUMONIAS.....	16,013	213.7
4. TUBERCULOSIS, ALL FORMS.....	13,028	173.9
5. DISEASES OF THE HEART.....	12,923	172.5
6. INFLUENZA.....	12,108	161.6
7. MEASLES.....	8,999	120.1
8. MALIGNANT NEOPLASMS.....	7,341	98.0
9. ACCIDENTS.....	5,292	70.6
10. VARICELLA.....	1,649	22.0

TABLE 14

MORBIDITY: TEN LEADING CAUSES BY HEALTH REGION  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

REGION 1			REGION 2		
CAUSE	NUMBER	RATE	CAUSE	NUMBER	RATE
Diarrheal Diseases....	43,884	1046.8	Influenza.....	36,239	1354.3
Influenza.....	20,886	498.2	Bronchitis.....	34,354	1283.8
Bronchitis.....	20,429	487.3	Malaria.....	34,037	1272.0
Pneumonias.....	13,844	330.2	Diarrheal Diseases....	33,115	1237.5
TB, All Forms.....	10,834	258.4	Pneumonias.....	9,418	352.0
Accidents.....	7,278	173.6	TB, All Forms.....	6,226	232.7
Diseases of the Heart..	6,758	161.2	Accidents.....	3,527	131.8
Measles.....	4,634	110.5	Measles.....	2,792	104.3
Malignant Neoplasms...	2,558	61.0	Diseases of the Heart..	2,531	94.6
Malaria.....	1,878	44.8	Malignant Neoplasms...	1,215	45.4

MORBIDITY: TEN LEADING CAUSES BY HEALTH REGION  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

REGION 3			REGION 4		
CAUSE	NUMBER	RATE	CAUSE	NUMBER	RATE
Diarrheal Diseases....	87,476	1514.2	Diarrheal Diseases....	67,931	890.7
Bronchitis.....	67,916	1175.6	Bronchitis.....	48,980	642.2
Influenza.....	38,169	660.7	Influenza.....	44,820	587.7
TB All Forms.....	19,090	330.4	TB All Forms.....	23,888	313.2
Pneumonias.....	15,529	268.8	Malaria.....	20,172	264.5
Accidents.....	13,215	228.7	Pneumonias.....	13,815	181.1
Diseases of the Heart..	10,391	179.9	Diseases of the Heart..	10,759	141.1
Malaria.....	6,850	118.6	Accidents.....	6,493	85.1
Measles.....	6,180	107.0	Measles.....	5,406	70.9
Gonococcal Infection..	4,365	75.6	Malignant Neoplasms...	3,412	44.7

TABLE 14

MORBIDITY: TEN LEADING CAUSES BY HEALTH REGION  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

REGION 5			REGION 6		
CAUSE	NUMBER	RATE	CAUSE	NUMBER	RATE
Bronchitis.....	104,967	2498.3	Influenza.....	53,713	973.5
Diarrheal Diseases....	65,341	1555.2	Bronchitis.....	49,235	892.3
Influenza.....	49,232	1171.8	Diarrheal Diseases....	43,855	794.8
TB All Forms.....	31,394	747.2	TB All Forms.....	20,088	364.1
Pneumonias.....	21,536	512.6	Accidents.....	12,978	235.2
Accidents.....	6,376	151.7	Pneumonias.....	9,637	174.7
Diseases of the Heart..	5,975	142.2	Diseases of the Heart..	5,083	92.1
Measles.....	5,359	127.6	Measles.....	4,570	82.8
Malaria.....	3,263	77.7	Malignant Neoplasms...	2,203	39.9
Whooping Cough.....	1,259	30.0	Infectious Hepatitis...	1,588	28.8

MORBIDITY: TEN LEADING CAUSES BY HEALTH REGION  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

REGION 7			REGION 8		
CAUSE	NUMBER	RATE	CAUSE	NUMBER	RATE
Diarrheal Diseases....	31,578	714.5	Bronchitis.....	52,126	1603.8
Bronchitis.....	19,934	451.0	Diarrheal Diseases....	39,040	1201.2
Pneumonias.....	11,651	263.6	Influenza.....	21,355	657.0
TB All Forms.....	8,038	181.9	Pneumonias.....	15,070	463.7
Diseases of the Heart..	4,912	111.1	TB All Forms.....	9,037	278.0
Accidents.....	4,862	110.0	Accidents.....	6,649	204.6
Influenza.....	4,742	107.3	Measles.....	4,721	145.3
Measles.....	4,250	96.2	Schistosomiasis.....	3,783	116.4
Malignant Neoplasms...	2,880	65.2	Diseases of the Heart..	3,667	112.8
Infectious Hepatitis...	579	13.1	Malignant Neoplasms...	1,065	32.8

TABLE 14

MORBIDITY: TEN LEADING CAUSES BY HEALTH REGION  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

REGION 9			REGION 10		
CAUSE	NUMBER	RATE	CAUSE	NUMBER	RATE
Influenza.....	101,030	3366.4	Bronchitis.....	73,800	2125.3
Bronchitis.....	59,216	1973.1	Influenza.....	63,367	1824.9
Diarrheal Diseases....	45,788	1525.7	Diarrheal Diseases....	40,071	1154.0
Malaria.....	19,294	642.9	Pneumonias.....	18,263	525.9
Pneumonias.....	13,490	449.5	Malaria.....	12,567	361.9
Accidents.....	13,422	447.2	TB All Forms.....	9,462	272.5
TB All Forms.....	10,491	349.6	Accidents.....	8,763	252.4
Measles.....	7,792	259.6	Measles.....	6,496	187.1
Diseases of the Heart..	2,276	75.8	Diseases of the Heart..	3,922	112.9
Schistosomiasis.....	1,038	34.6	Schistosomiasis.....	2,423	69.8

MORBIDITY: TEN LEADING CAUSES BY HEALTH REGION  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

REGION 11			REGION 12		
CAUSE	NUMBER	RATE	CAUSE	NUMBER	RATE
Bronchitis.....	122,512	2858.5	Bronchitis.....	62,086	2211.0
Influenza.....	80,599	1880.8	Diarrheal Diseases....	58,886	2097.0
Diarrheal Diseases....	57,165	1333.9	Influenza.....	50,144	1785.7
Pneumonias.....	26,911	628.0	Pneumonias.....	16,725	595.6
Accidents.....	13,227	308.7	TB, All Forms.....	11,023	392.5
Malaria.....	12,809	298.9	Accidents.....	8,723	310.6
TB All Forms.....	10,514	245.3	Diseases of the Heart..	4,487	159.8
Measles.....	5,716	133.4	Measles.....	3,887	138.4
Diseases of the Heart..	2,537	59.2	Malaria.....	2,875	102.4
Schistosomiasis.....	2,026	47.3	Schistosomiasis.....	1,569	55.9

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

51

AGE & SEX	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INF. (002-003)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	9498	6332	15830	27.0	778	578	1356	2.3
Under 1 yr.....	143	174	317	18.4	29	20	49	2.8
1 - 4 yrs.....	459	334	793	12.1	57	46	103	1.6
5 - 9 yrs.....	823	396	1219	15.8	57	54	111	1.4
10 - 14 yrs.....	744	602	1346	18.9	43	48	91	1.3
15 - 19 yrs.....	1171	665	1836	29.3	88	68	156	2.5
20 - 24 yrs.....	1061	1092	2153	38.4	87	64	151	2.7
25 - 29 yrs.....	981	697	1678	34.2	66	55	121	2.5
30 - 34 yrs.....	902	459	1361	32.2	65	40	105	2.5
35 - 39 yrs.....	681	395	1076	31.4	56	32	88	2.6
40 - 44 yrs.....	776	364	1140	43.1	40	20	60	2.3
45 - 49 yrs.....	443	190	633	29.0	42	22	64	2.9
50 - 54 yrs.....	269	190	459	27.3	29	16	45	2.7
55 - 59 yrs.....	332	285	617	44.4	19	17	36	2.6
60 - 64 yrs.....	317	205	522	47.7	23	17	40	3.7
65 - 69 yrs.....	269	158	427	49.7	25	16	41	4.8
70 yrs. & Over.....	127	126	253	19.3	52	43	95	7.2
Not Stated.....	0	0	0	-	0	0	0	-



TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	DIARRHEAS (004-009)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	368994	255361	624355	1063.3	5262	3893	9155	15.6
Under 1 yr.....	72425	71177	143602	8322.8	1774	1289	3063	177.5
1 - 4 yrs.....	97399	106141	203540	3099.3	1676	1240	2916	44.4
5 - 9 yrs.....	56816	14985	71801	930.4	554	368	922	11.9
10 - 14 yrs.....	34964	6868	41832	588.8	170	98	268	3.8
15 - 19 yrs.....	18106	10614	28720	457.6	70	35	105	1.7
20 - 24 yrs.....	19979	11863	31842	567.4	50	42	92	1.6
25 - 29 yrs.....	17482	9365	26847	547.1	57	46	103	2.1
30 - 34 yrs.....	9365	5620	14985	354.6	61	32	93	2.2
35 - 39 yrs.....	9990	4046	14036	409.9	46	33	79	2.3
40 - 44 yrs.....	7492	3746	11238	424.8	50	31	81	3.1
45 - 49 yrs.....	4995	2523	7518	344.9	75	40	115	5.3
50 - 54 yrs.....	4370	1549	5919	351.6	75	46	121	7.2
55 - 59 yrs.....	3122	1248	4370	314.5	88	65	153	11.0
60 - 64 yrs.....	3746	3446	7192	657.6	63	64	127	11.6
65 - 69 yrs.....	4871	723	5594	651.4	84	72	156	18.2
70 yrs. & Over.....	3497	1198	4695	358.3	369	392	761	58.1
Not Stated.....	375	249	624	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1968

53

AGE & SEX	TUBERCULOSIS, ALL FORMS (010-018;137)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	97050	86063	183113	311.8	17177	9843	27020	46.0
Under 1 yr.....	1099	1648	2747	159.2	19	18	37	2.1
1 - 4 yrs.....	3013	2930	5943	90.5	64	55	119	1.8
5 - 9 yrs.....	2929	2931	5860	75.9	56	30	86	1.1
10 - 14 yrs.....	3213	2564	5777	81.3	32	20	52	0.7
15 - 19 yrs.....	4395	3845	8240	131.3	420	314	734	11.7
20 - 24 yrs.....	4578	4211	8789	156.6	416	298	714	12.7
25 - 29 yrs.....	5677	5310	10987	223.9	670	402	1072	21.8
30 - 34 yrs.....	6409	5860	12269	290.3	772	498	1270	30.1
35 - 39 yrs.....	7325	6958	14283	417.1	991	514	1505	43.9
40 - 44 yrs.....	8423	7874	16297	616.0	1083	568	1651	62.4
45 - 49 yrs.....	7691	8057	15748	722.6	1459	668	2127	97.6
50 - 54 yrs.....	9156	7690	16846	1000.8	1696	755	2451	145.6
55 - 59 yrs.....	8240	6775	15015	1080.5	1837	836	2673	192.3
60 - 64 yrs.....	7141	6226	13367	1222.3	1864	914	2778	254.0
65 - 69 yrs.....	6957	5312	12269	1428.6	1849	1017	2866	333.7
70 yrs. & Over.....	10621	7690	18311	1397.4	3949	2936	6885	525.4
Not Stated.....	183	182	365	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1968

AGE & SEX	LEPROSY (030)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	1002	659	1661	2.8	60	26	86	0.1
Under 1 yr.....	8	10	18	1.0	2	0	2	0.1
1 - 4 yrs.....	45	23	68	1.0	1	0	1	0.02
5 - 9 yrs.....	50	48	98	1.3	0	0	0	-
10 - 14 yrs.....	42	49	91	1.3	1	0	1	0.01
15 - 19 yrs.....	55	113	168	2.7	1	2	3	0.05
20 - 24 yrs.....	101	52	153	2.7	1	2	3	0.05
25 - 29 yrs.....	105	53	158	3.2	1	0	1	0.02
30 - 34 yrs.....	108	46	154	3.6	3	1	4	0.09
35 - 39 yrs.....	98	58	156	4.6	7	1	8	0.2
40 - 44 yrs.....	75	42	117	4.4	4	3	7	0.3
45 - 49 yrs.....	68	62	130	6.0	5	1	6	0.3
50 - 54 yrs.....	48	30	78	4.6	10	2	12	0.7
55 - 59 yrs.....	61	14	75	5.4	6	3	9	0.6
60 - 64 yrs.....	37	24	61	5.6	4	3	7	0.6
65 - 69 yrs.....	48	18	66	7.7	1	3	4	0.5
70 yrs. & Over.....	53	17	70	5.3	13	5	18	1.4
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY AGE-GROUP AND BY SEX**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1968**

55

AGE & SEX	DIPHTHERIA (032)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	684	518	1202	2.0	111	75	186	0.3
Under 1 yr.....	172	126	298	17.3	26	14	40	2.3
1 - 4 yrs.....	361	307	668	10.2	65	39	104	1.6
5 - 9 yrs.....	105	49	154	2.0	13	18	31	0.4
10 - 14 yrs.....	16	12	28	0.4	4	1	5	0.07
15 - 19 yrs.....	10	6	16	0.3	1	0	1	0.02
20 - 24 yrs.....	5	3	8	0.1	1	1	2	0.03
25 - 29 yrs.....	4	2	6	0.1	0	1	1	0.02
30 - 34 yrs.....	2	3	5	0.1	0	0	0	-
35 - 39 yrs.....	1	1	2	0.06	1	0	1	0.03
40 - 44 yrs.....	1	2	3	0.1	0	1	1	0.04
45 - 49 yrs.....	0	2	2	0.09	0	0	0	-
50 - 54 yrs.....	1	0	1	0.06	0	0	0	-
55 - 59 yrs.....	2	2	4	0.3	0	0	0	-
60 - 64 yrs.....	1	1	2	0.2	0	0	0	-
65 - 69 yrs.....	0	1	1	0.1	0	0	0	-
70 yrs. & Over.....	3	1	4	0.3	0	0	0	-
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	WHOOPING COUGH (033)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	4055	3759	7814	13.3	5	9	14	0.02
Under 1 yr.....	1305	1195	2500	144.9	4	4	8	0.5
1 - 4 yrs.....	2172	2048	4220	64.3	1	4	5	0.08
5 - 9 yrs.....	391	391	782	10.1	0	1	1	0.01
10 - 14 yrs.....	78	70	148	2.1	0	0	0	-
15 - 19 yrs.....	55	23	78	1.2	0	0	0	-
20 - 24 yrs.....	31	16	47	0.8	0	0	0	-
25 - 29 yrs.....	23	16	39	0.8	0	0	0	-
30 - 34 yrs.....	0	0	0	-	0	0	0	-
35 - 39 yrs.....	0	0	0	-	0	0	0	-
40 - 44 yrs.....	0	0	0	-	0	0	0	-
45 - 49 yrs.....	0	0	0	-	0	0	0	-
50 - 54 yrs.....	0	0	0	-	0	0	0	-
55 - 59 yrs.....	0	0	0	-	0	0	0	-
60 - 64 yrs.....	0	0	0	-	0	0	0	-
65 - 69 yrs.....	0	0	0	-	0	0	0	-
70 yrs. & Over.....	0	0	0	-	0	0	0	-
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

57

AGE & SEX	TETANUS (037)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	1086	1313	3199	5.4	747	322	1069	1.8
Under 1 yr.....	802	313	1115	64.6	127	88	215	12.5
1 - 4 yrs.....	138	225	363	5.5	44	35	79	1.2
5 - 9 yrs.....	173	159	332	4.3	101	34	135	1.7
10 - 14 yrs....	163	77	240	3.4	92	22	114	1.6
15 - 19 yrs....	86	64	150	2.4	58	11	69	1.1
20 - 24 yrs....	50	69	119	2.1	38	15	53	0.9
25 - 29 yrs....	54	55	109	2.2	46	12	58	1.2
30 - 34 yrs....	52	45	97	2.3	27	11	38	0.9
35 - 39 yrs....	45	46	91	2.7	26	11	37	1.1
40 - 44 yrs....	54	50	104	3.9	22	7	29	1.1
45 - 49 yrs....	35	35	70	3.2	24	13	37	1.7
50 - 54 yrs....	51	40	91	5.4	25	11	36	2.1
55 - 59 yrs....	42	38	80	5.8	25	5	30	2.2
60 - 64 yrs....	32	30	62	5.7	25	10	35	3.2
65 - 69 yrs....	45	28	73	8.5	19	12	31	3.6
70 yrs. & Over.....	64	39	103	7.9	48	25	73	5.6
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	ACUTE POLIOMYELITIS (045;138)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	218	126	344	0.6	24	16	40	0.07
Under 1 yr.....	13	9	22	1.3	1	1	2	0.1
1 - 4 yrs.....	98	44	142	2.2	2	4	6	0.09
5 - 9 yrs.....	57	40	97	1.3	8	4	12	0.2
10 - 14 yrs.....	13	10	23	0.3	2	4	6	0.08
15 - 19 yrs.....	15	6	21	0.3	3	1	4	0.06
20 - 24 yrs.....	5	5	10	0.2	3	0	3	0.05
25 - 29 yrs.....	7	3	10	0.2	1	0	1	0.02
30 - 34 yrs.....	2	5	7	0.2	1	2	3	0.07
35 - 39 yrs.....	2	1	3	0.09	0	0	0	-
40 - 44 yrs.....	1	1	2	0.08	0	0	0	-
45 - 49 yrs.....	0	0	0	-	0	0	0	-
50 - 54 yrs.....	2	2	4	0.2	1	0	1	0.06
55 - 59 yrs.....	0	0	0	-	0	0	0	-
60 - 64 yrs.....	0	0	0	-	0	0	0	-
65 - 69 yrs.....	1	0	1	0.1	1	0	1	0.1
70 yrs. and Over.....	2	0	2	0.2	1	0	1	0.08
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

59

AGE & SEX	VARICELLA (052)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	4193	2574	6767	11.5	0	12	12	0.02
Under 1 yr.....	359	135	494	28.6	0	2	2	0.1
1 - 4 yrs.....	1035	440	1475	22.5	0	4	4	0.06
5 - 9 yrs.....	1002	480	1482	19.2	0	2	2	0.03
10 - 14 yrs.....	792	372	1164	16.4	0	0	0	-
15 - 19 yrs.....	359	189	548	8.7	0	1	1	0.02
20 - 24 yrs.....	189	338	527	9.4	0	1	1	0.02
25 - 29 yrs.....	95	176	271	5.5	0	0	0	-
30 - 34 yrs.....	74	115	189	4.5	0	0	0	-
35 - 39 yrs.....	81	54	135	3.9	0	0	0	-
40 - 44 yrs.....	101	115	216	8.2	0	1	1	0.04
45 - 49 yrs.....	27	41	68	3.1	0	0	0	-
50 - 54 yrs.....	34	47	81	4.8	0	0	0	-
55 - 59 yrs.....	20	48	68	4.9	0	1	1	0.07
60 - 64 yrs.....	20	14	34	3.1	0	0	0	-
65 - 69 yrs.....	4	3	7	0.8	0	0	0	-
70 yrs. & Over.....	1	7	8	0.05	0	0	0	-
Not Stated.....	0	0	0	-	0	0	0	-



TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1968

AGE & SEX	MEASLES (055)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	42078	28723	70801	120.6	4076	3699	7775	13.2
Under 1 yr.....	8284	4531	12815	742.7	869	678	1547	89.7
1 - 4 yrs.....	20755	11318	32073	488.4	2532	2311	4843	73.7
5 - 9 yrs.....	7565	6241	13806	178.9	543	552	1095	14.2
10 - 14 yrs.....	2983	1548	4531	63.8	77	99	176	2.5
15 - 19 yrs.....	809	1344	2153	34.3	10	11	21	0.3
20 - 24 yrs.....	496	991	1487	26.5	10	11	21	0.4
25 - 29 yrs.....	283	891	1174	23.9	2	6	8	0.2
30 - 34 yrs.....	142	495	637	15.1	2	7	9	0.2
35 - 39 yrs.....	203	252	455	13.3	0	1	1	0.03
40 - 44 yrs.....	102	394	496	18.7	2	2	4	0.2
45 - 49 yrs.....	121	304	425	19.5	3	0	3	0.1
50 - 54 yrs.....	112	141	253	15.0	6	0	6	0.4
55 - 59 yrs.....	71	70	141	10.1	2	2	4	0.3
60 - 64 yrs.....	42	29	71	6.5	3	1	4	0.4
65 - 69 yrs.....	25	47	72	8.4	3	2	5	0.6
70 yrs. & Over.....	35	107	142	10.8	12	16	28	2.1
Not Stated.....	50	20	70	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

61

AGE & SEX	H - FEVER (061;065)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	1684	1137	2821	4.8	159	141	300	0.5
Under 1 yr.....	271	262	533	30.9	22	29	51	3.0
1 - 4 yrs.....	372	126	498	7.6	42	42	84	1.3
5 - 9 yrs.....	437	361	798	10.3	47	36	83	1.1
10 - 14 yrs.....	212	141	353	5.0	14	14	28	0.4
15 - 19 yrs.....	169	110	279	4.4	11	5	16	0.3
20 - 24 yrs.....	99	56	155	2.8	4	1	5	0.09
25 - 29 yrs.....	62	45	107	2.2	3	2	5	0.1
30 - 34 yrs.....	25	9	34	0.8	4	2	6	0.1
35 - 39 yrs.....	8	6	14	0.4	3	1	4	0.1
40 - 44 yrs.....	11	6	17	0.6	2	2	4	0.2
45 - 49 yrs.....	7	4	11	0.5	2	0	2	0.09
50 - 54 yrs.....	4	4	8	0.5	2	3	5	0.3
55 - 59 yrs.....	1	1	2	0.1	0	1	1	0.07
60 - 64 yrs.....	3	2	5	0.5	2	1	3	0.3
65 - 69 yrs.....	1	0	1	0.1	0	0	0	-
70 yrs. & Over.....	2	4	6	0.5	1	2	3	0.2
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	INFECTIOUS HEPATITIS (070)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	10307	5818	16125	27.5	523	302	825	1.4
Under 1 yr.....	242	129	371	21.5	37	34	71	4.1
1 - 4 yrs.....	1260	498	1758	26.8	21	15	36	0.5
5 - 9 yrs.....	1290	870	2160	28.0	25	7	32	0.4
10 - 14 yrs.....	1259	579	1838	25.9	18	10	28	0.4
15 - 19 yrs.....	1160	645	1805	28.8	31	13	44	0.7
20 - 24 yrs.....	935	516	1451	25.9	33	21	54	1.0
25 - 29 yrs.....	532	403	935	19.1	35	23	58	1.2
30 - 34 yrs.....	630	499	1129	26.7	27	19	46	1.1
35 - 39 yrs.....	758	355	1113	32.5	40	15	55	1.6
40 - 44 yrs.....	692	340	1032	39.0	35	18	53	2.0
45 - 49 yrs.....	419	273	692	31.8	47	14	61	2.8
50 - 54 yrs.....	498	260	758	45.0	39	17	56	3.3
55 - 59 yrs.....	337	227	564	40.6	30	18	48	3.5
60 - 64 yrs.....	115	65	180	16.5	33	17	50	4.6
65 - 69 yrs.....	98	79	177	2.4	22	23	45	5.2
70 yrs. & Over.....	82	80	162	12.4	50	38	88	6.7
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

63

AGE & SEX	MALARIA (084)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	61835	52844	114679	195.3	770	406	1176	2.0
Under 1 yr.....	1730	1710	3440	199.4	29	23	52	3.0
1 - 4 yrs.....	3670	3211	6881	104.8	50	48	98	1.5
5 - 9 yrs.....	5619	4702	10321	133.7	44	35	79	1.0
10 - 14 yrs.....	6193	5273	11466	161.4	36	17	53	0.7
15 - 19 yrs.....	7454	4817	12271	195.5	71	39	110	1.8
20 - 24 yrs.....	7110	5732	12842	228.8	64	35	99	1.8
25 - 29 yrs.....	6537	7224	13761	280.4	72	36	108	2.2
30 - 34 yrs.....	4931	5390	10321	244.2	42	29	71	1.7
35 - 39 yrs.....	4358	3670	8028	234.4	68	28	96	2.8
40 - 44 yrs.....	3096	2638	5734	216.7	50	11	61	2.3
45 - 49 yrs.....	2294	1148	3442	157.9	50	22	72	3.3
50 - 54 yrs.....	2064	1606	3670	218.0	45	18	63	3.7
55 - 59 yrs.....	1261	1035	2296	165.2	44	18	62	4.5
60 - 64 yrs.....	1835	1805	3640	332.8	29	13	42	3.8
65 - 69 yrs.....	1160	1134	2294	267.1	31	10	41	4.8
70 yrs. & Over.....	1950	1290	3240	247.3	45	24	69	5.3
Not Stated.....	573	459	1032	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	SYPHILIS (090-097)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	43	56	99	0.2	2	7	9	0.02
Under 1 yr.....	3	3	6	0.3	0	2	2	0.1
1 - 4 yrs.....	0	3	3	0.05	0	1	1	0.02
5 - 9 yrs.....	2	3	5	0.06	0	0	0	-
10 - 14 yrs.....	3	5	8	0.1	0	2	2	0.03
15 - 19 yrs.....	3	7	10	0.2	0	0	0	-
20 - 24 yrs.....	3	8	11	0.2	0	0	0	-
25 - 29 yrs.....	3	7	10	0.2	0	0	0	-
30 - 34 yrs.....	5	3	8	0.2	0	1	1	0.02
35 - 39 yrs.....	3	3	6	0.2	0	1	1	0.03
40 - 44 yrs.....	3	2	5	0.2	0	0	0	-
45 - 49 yrs.....	2	1	3	0.1	1	0	1	0.05
50 - 54 yrs.....	2	1	3	0.2	1	0	1	0.06
55 - 59 yrs.....	3	3	6	0.4	0	0	0	-
60 - 64 yrs.....	2	2	4	0.4	0	0	0	-
65 - 69 yrs.....	3	3	6	0.7	0	0	0	-
70 yrs. & Over.....	3	2	5	0.4	0	0	0	-
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1968

65

AGE & SEX	GONOCOCCAL INFECTION (098)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	1436	6906	8342	14.2	0	0	0	-
Under 1 yr.....	0	0	0	-	0	0	0	-
1 - 4 yrs.....	0	0	0	-	0	0	0	-
5 - 9 yrs.....	0	0	0	-	0	0	0	-
10 - 14 yrs.....	8	9	17	0.2	0	0	0	-
15 - 19 yrs.....	358	1477	1835	29.2	0	0	0	-
20 - 24 yrs.....	492	3487	3979	70.9	0	0	0	-
25 - 29 yrs.....	316	1352	1668	34.0	0	0	0	-
30 - 34 yrs.....	108	334	442	10.5	0	0	0	-
35 - 39 yrs.....	75	183	258	7.5	0	0	0	-
40 - 44 yrs.....	33	42	75	2.8	0	0	0	-
45 - 49 yrs.....	25	8	38	1.5	0	0	0	-
50 - 54 yrs.....	6	2	8	0.5	0	0	0	-
55 - 59 yrs.....	4	4	8	0.6	0	0	0	-
60 - 64 yrs.....	8	4	12	1.1	0	0	0	-
65 - 69 yrs.....	3	4	7	0.8	0	0	0	-
70 yrs. & Over.....	0	0	0	-	0	0	0	-
Not Stated.....	0	0	0	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	SCHISTOSOMIASIS (120)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	8010	4269	12273	20.9	211	90	301	0.5
Under 1 yr.....	12	13	25	1.4	2	0	2	0.1
1 - 4 yrs.....	160	98	258	3.9	8	4	12	0.2
5 - 9 yrs.....	957	651	1608	20.8	7	2	9	0.1
10 - 14 yrs.....	1841	859	2700	38.0	7	3	10	0.1
15 - 19 yrs.....	1436	540	1976	31.5	12	4	16	0.3
20 - 24 yrs.....	712	282	994	17.7	17	4	21	0.4
25 - 29 yrs.....	626	331	957	19.5	14	10	24	0.5
30 - 34 yrs.....	565	368	933	22.1	16	6	22	0.5
35 - 39 yrs.....	319	172	491	14.3	14	15	29	0.8
40 - 44 yrs.....	331	135	466	17.6	19	3	22	0.8
45 - 49 yrs.....	233	221	454	20.8	26	7	33	1.5
50 - 54 yrs.....	193	200	393	23.3	17	8	25	1.5
55 - 59 yrs.....	135	123	258	18.6	18	7	25	1.8
60 - 64 yrs.....	123	73	196	17.9	12	7	19	1.7
65 - 69 yrs.....	110	74	184	21.4	9	7	16	1.9
70 yrs. & Over.....	171	62	233	17.8	13	3	16	1.2
Not Stated.....	86	61	147	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

67

AGE & SEX	FILARIASIS (125)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	185	105	290	0.5	0	0	0	-
Under 1 yr.....	8	4	12	0.7	0	0	0	-
1 - 4 yrs.....	27	12	39	0.6	0	0	0	-
5 - 9 yrs.....	19	23	42	0.5	0	0	0	-
10 - 14 yrs.....	14	5	19	0.3	0	0	0	-
15 - 19 yrs.....	6	3	9	0.1	0	0	0	-
20 - 24 yrs.....	9	1	10	0.2	0	0	0	-
25 - 29 yrs.....	7	6	13	0.3	0	0	0	-
30 - 34 yrs.....	12	8	20	0.5	0	0	0	-
35 - 39 yrs.....	10	4	14	0.4	0	0	0	-
40 - 44 yrs.....	7	3	10	0.4	0	0	0	-
45 - 49 yrs.....	5	14	19	0.9	0	0	0	-
50 - 54 yrs.....	18	5	23	1.4	0	0	0	-
55 - 59 yrs.....	13	3	16	1.2	0	0	0	-
60 - 64 yrs.....	8	3	11	1.0	0	0	0	-
65 - 69 yrs.....	5	4	9	1.0	0	0	0	-
70 yrs. & Over.....	6	2	8	0.6	0	0	0	-
Not Stated.....	11	5	16	-	0	0	0	-



TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	MALIGNANT NEOPLASMS (140-239)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	15532	13408	28940	49.3	11436	9748	21184	36.1
Under 1 yr.....	105	173	278	16.1	71	52	123	7.1
1 - 4 yrs.....	289	203	492	7.5	139	98	237	3.6
5 - 9 yrs.....	232	348	580	7.5	160	113	273	3.5
10 - 14 yrs.....	260	289	549	7.7	151	142	293	4.1
15 - 19 yrs.....	352	299	651	10.4	244	178	422	6.7
20 - 24 yrs.....	303	391	694	12.4	248	216	464	8.3
25 - 29 yrs.....	434	347	781	15.9	327	277	604	12.3
30 - 34 yrs.....	618	524	1142	27.0	406	444	850	20.1
35 - 39 yrs.....	810	695	1505	43.9	539	582	1121	32.7
40 - 44 yrs.....	1255	800	2055	77.7	659	675	1334	50.4
45 - 49 yrs.....	1169	1030	2199	100.9	920	823	1743	80.0
50 - 54 yrs.....	1689	1331	3020	179.4	1171	973	2144	127.4
55 - 59 yrs.....	1533	1261	2794	201.1	1196	963	2159	155.4
60 - 64 yrs.....	2039	1405	3444	314.9	1388	1034	2422	221.5
65 - 69 yrs.....	1707	1476	3183	370.6	1232	1016	2248	261.8
70 yrs. & Over.....	2700	2807	5507	420.3	2585	2162	4747	362.3
Not Stated.....	37	29	66	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

69

AGE & SEX	DISEASES OF THE HEART (390-392; 393-398; 402; 404; 410-429)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	43182	33039	76221	129.8	23077	17489	40566	69.1
Under 1 yr.....	1219	606	1825	105.8	365	273	638	37.0
1 - 4 yrs.....	995	686	1681	25.6	282	226	508	7.7
5 - 9 yrs.....	610	610	1220	15.8	174	168	342	4.4
10 - 14 yrs.....	838	586	1424	20.0	241	226	467	6.6
15 - 19 yrs.....	1067	862	1929	30.7	461	332	793	12.6
20 - 24 yrs.....	1143	763	1906	34.0	607	434	1041	18.6
25 - 29 yrs.....	1287	847	2134	43.5	752	458	1210	24.7
30 - 34 yrs.....	1524	1220	2744	64.9	712	546	1258	29.8
35 - 39 yrs.....	1601	1372	2973	86.8	921	592	1513	44.2
40 - 44 yrs.....	1982	1148	3130	118.3	1035	546	1581	59.8
45 - 49 yrs.....	2363	1748	4111	188.6	1217	666	1883	86.4
50 - 54 yrs.....	2820	1372	4192	249.0	1572	749	2321	137.9
55 - 59 yrs.....	3049	1448	4497	323.6	1776	866	2642	190.1
60 - 64 yrs.....	3430	2668	6098	557.6	2050	1219	3269	298.9
65 - 69 yrs.....	3659	1829	5488	639.0	2158	1515	3673	427.7
70 yrs. & Over.....	15549	15244	30793	2349.9	8754	8672	17426	1329.8
Not Stated.....	46	30	76	-	0	1	1	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	BRONCHIITIS (466)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	384369	375142	759511	1293.4	801	637	1438	2.4
Under 1 yr.....	96458	86584	183042	10608.6	395	294	689	39.9
1 - 4 yrs.....	143548	118483	262031	3989.9	231	222	453	6.9
5 - 9 yrs.....	53925	44811	98736	1279.4	44	30	74	1.0
10 - 14 yrs.....	19748	18228	37976	534.5	13	12	25	0.4
15 - 19 yrs.....	15190	7595	22785	363.0	5	2	7	0.1
20 - 24 yrs.....	12152	20507	32659	582.0	5	6	11	0.2
25 - 29 yrs.....	11393	15190	26583	541.7	2	4	6	0.1
30 - 34 yrs.....	7595	12153	19748	467.3	6	21	8	0.2
35 - 39 yrs.....	4557	8355	12912	377.1	5	6	11	0.3
40 - 44 yrs.....	4098	11092	15190	574.2	5	5	10	0.4
45 - 49 yrs.....	3038	7595	10633	487.9	10	6	16	0.7
50 - 54 yrs.....	3796	5318	9114	541.4	5	3	8	0.5
55 - 59 yrs.....	2278	6077	8355	601.2	8	2	10	0.7
60 - 64 yrs.....	2580	5015	7595	694.5	8	6	14	1.3
65 - 69 yrs.....	1519	3798	5317	619.1	10	2	12	1.4
70 yrs. & Over.....	2114	3962	6076	463.7	49	35	84	6.4
Not Stated.....	380	379	759	-	0	0	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988**

71

AGE & SEX	PNEUMONIAS (480-486)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	102961	98941	201902	343.8	25434	22010	47444	80.8
Under 1 yr.....	29074	31497	60571	3510.5	7075	5522	12597	730.1
1 - 4 yrs.....	34525	37554	72079	1097.5	7562	6836	14398	219.2
5 - 9 yrs.....	12316	12518	24834	321.8	1693	1609	3302	42.8
10 - 14 yrs.....	4038	1817	5855	82.4	463	394	857	12.1
15 - 19 yrs.....	3029	1311	4340	69.1	325	294	619	9.7
20 - 24 yrs.....	2625	1413	4038	72.0	338	262	600	10.7
25 - 29 yrs.....	2019	1211	3230	65.8	306	272	578	11.8
30 - 34 yrs.....	1615	1112	2727	64.5	313	216	529	12.5
35 - 39 yrs.....	1211	1010	2221	64.9	288	221	509	14.9
40 - 44 yrs.....	1010	807	1817	68.7	320	197	517	19.5
45 - 49 yrs.....	808	505	1313	60.2	401	215	616	28.3
50 - 54 yrs.....	955	456	1411	83.8	447	265	712	42.3
55 - 59 yrs.....	1130	485	1615	116.2	499	292	791	56.9
60 - 64 yrs.....	1413	606	2019	184.6	649	450	1099	100.5
65 - 69 yrs.....	1539	784	2323	270.5	708	591	1299	151.3
70 yrs. & Over.....	5048	5653	10701	816.6	4047	4373	8420	642.6
Not Stated.....	606	202	808	-	0	1	1	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

AGE & SEX	INFLUENZA (487)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	267046	309358	576404	981.6	439	352	791	1.3
Under 1 yr.....	34584	21904	56488	3273.9	23	19	42	2.4
1 - 4 yrs.....	39772	40348	80120	1220.0	42	30	72	1.1
5 - 9 yrs.....	36313	38620	74933	971.0	26	13	39	0.5
10 - 14 yrs.....	27667	36890	64557	908.6	26	12	38	0.5
15 - 19 yrs.....	24785	27668	52453	835.7	21	13	34	0.5
20 - 24 yrs.....	15563	26514	42077	749.8	23	16	39	0.7
25 - 29 yrs.....	17292	23633	40925	834.0	20	14	34	0.7
30 - 34 yrs.....	15563	20174	35737	845.7	17	9	26	0.6
35 - 39 yrs.....	13257	18445	31702	925.8	16	14	30	0.9
40 - 44 yrs.....	8070	12681	20751	784.4	19	12	31	1.2
45 - 49 yrs.....	7493	9223	16716	767.0	22	12	34	1.6
50 - 54 yrs.....	7980	11618	19598	1164.3	22	13	35	2.1
55 - 59 yrs.....	4035	5764	9799	705.1	13	17	30	2.2
60 - 64 yrs.....	5188	6340	11528	1054.1	31	21	52	4.8
65 - 69 yrs.....	3558	3359	6917	805.4	20	20	40	4.7
70 yrs. & Over.....	3620	5026	8646	659.8	98	117	215	16.4
Not Stated.....	2306	1151	3457	-	0	0	0	-

TABLE 15

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY AGE-GROUP AND BY SEX  
No. & Rate/100,000 Population  
PHILIPPINES  
1988

73

AGE & SEX	ACCIDENTS (E00-999; E800-E949)							
	C A S E S				D E A T H S			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
ALL AGES.....	61496	49309	110805	188.7	8305	3151	11456	19.5
Under 1 yr.....	1440	1219	2659	154.1	139	102	241	14.0
1 - 4 yrs.....	5762	5097	10859	165.4	601	400	1001	15.2
5 - 9 yrs.....	4654	3546	8200	106.3	744	442	1186	15.4
10 - 14 yrs.....	3924	4432	7756	109.2	572	288	860	12.1
15 - 19 yrs.....	4543	3324	7867	125.3	686	244	930	14.8
20 - 24 yrs.....	6981	4543	11524	205.4	877	205	1082	19.3
25 - 29 yrs.....	5319	3435	8754	178.4	857	168	1025	20.9
30 - 34 yrs.....	4875	3214	8089	191.4	674	137	811	19.2
35 - 39 yrs.....	3878	2992	6870	200.6	655	130	785	22.9
40 - 44 yrs.....	3435	2549	5984	226.2	477	121	598	22.6
45 - 49 yrs.....	2881	2216	5097	233.9	392	119	511	23.4
50 - 54 yrs.....	2438	1994	4432	263.3	378	103	481	28.6
55 - 59 yrs.....	1662	1330	2992	215.3	281	111	392	28.2
60 - 64 yrs.....	2327	1894	4221	386.0	272	119	391	35.8
65 - 69 yrs.....	1551	1430	2981	347.1	193	107	300	34.9
70 yrs. & Over.....	6094	5762	11856	904.8	507	355	862	65.8
Not Stated.....	332	332	664	-	0	0	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1966

A R E A	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INF. (002-003)				DIARRHEAS (004-009)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	15830	27.0	1356	2.3	624355	1063.3	9155	15.6
NAT. CAP. REGION..	870	11.6	138	1.8	25113	395.1	900	12.0
1ST DIST. MANILA..	449	24.1	45	2.4	4636	249.1	147	7.9
2ND DIST. MUN.....	59	5.6	37	3.5	2161	206.7	132	12.6
QUEZON CITY.....	223	15.1	30	2.0	5611	380.1	204	13.8
3RD DIST. MUN.....	15	2.1	4	0.5	4583	629.5	111	15.2
CALOCAN CITY....	18	3.1	5	0.9	2293	397.8	115	20.0
4TH DIST. MUN.....	90	6.2	15	1.0	2511	172.5	166	11.4
PASAY CITY.....	16	4.6	2	0.6	3318	946.2	25	7.1
REGION 1	2449	58.4	159	3.8	41435	988.4	617	14.7
ABRA.....	65	29.9	1	0.5	4105	1886.1	18	8.3
BENGUET.....	353	123.1	5	1.7	4398	1533.6	29	10.1
ILOCOS NORTE.....	358	91.5	10	2.6	7072	1807.1	43	11.0
ILOCOS SUR.....	158	29.8	16	3.0	3328	626.8	57	10.7
LA UNION.....	525	93.6	27	4.8	5073	904.3	61	10.9
MT. PROVINCE.....	117	99.6	4	3.4	3475	2959.1	32	27.2
PANGASINAN.....	334	20.4	66	4.0	9789	598.0	250	15.3
BAGUIO CITY.....	417	280.7	4	2.7	2195	1477.6	14	9.4
DAGUPAN CITY.....	88	79.6	10	9.1	1258	1138.5	65	58.8
LAOAG CITY.....	21	27.8	13	17.2	252	333.7	16	21.2
SAN CARLOS CITY...	13	11.3	3	2.6	490	424.3	32	27.7
REGION 2	84	3.1	29	1.1	33031	1234.4	466	17.4
BATANES.....	0	-	0	-	903	16005.6	1	6.7
CAGAYAN.....	11	1.3	6	0.7	8884	1067.0	170	20.4
IFUGAO.....	5	3.8	1	0.8	1110	845.4	13	9.9
ISABELA.....	10	0.9	8	0.8	14109	1391.4	238	22.5
KALINGA-APAYAO....	31	13.6	4	1.8	2682	1178.0	9	4.0
NEUVA VIZCAYA.....	18	6.0	8	2.7	3940	1309.6	25	8.3
QUIRINO.....	9	8.3	2	1.8	1403	1290.5	10	9.2
REGION 3	1421	24.6	78	1.4	86055	1489.6	586	10.1
BATAAN.....	260	62.0	6	1.4	9495	2263.1	41	9.8
BULACAN.....	319	62.2	32	2.4	25734	1954.5	175	13.3
NUEVA ECIJA.....	91	8.8	6	0.6	5602	541.6	73	7.1
PAMPANGA.....	44	3.8	6	0.5	21207	1808.4	85	7.2
TARLAC.....	21	2.7	16	2.0	9616	1216.5	77	9.7
ZAMBALES.....	95	10.1	6	1.7	5356	1538.2	53	15.2
ANGELES CITY.....	15	6.2	2	0.8	4523	1872.2	28	11.6
CABANATUAN CITY...	6	3.5	3	1.8	922	543.2	13	7.7

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

75

A R E A	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INF. (002-003)				DIARRHEAS (004-009)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	125	65.8	1	0.5	1784	938.6	33	17.4
PALAYAN CITY.....	0	-	0	-	504	2483.7	0	-
SAN JOSE CITY.....	5	6.8	0	-	1312	1781.1	8	10.9
REGION 4	724	9.5	164	2.2	67207	891.2	1655	21.7
AURORA.....	0	-	0	-	645	493.7	33	25.3
BATANGAS.....	88	8.3	8	0.8	12487	1181.2	110	10.4
CAVITE.....	41	4.7	12	1.4	9836	1127.0	176	20.2
LAGUNA.....	40	3.7	21	1.9	4163	384.0	142	13.1
MARINOUQUE.....	23	11.1	4	1.9	2046	985.2	74	35.6
MINDORO OCC.....	17	6.2	8	2.9	5252	1922.6	65	23.8
MINDORO OR.....	11	1.9	8	1.4	9394	1655.3	167	29.4
PALAWAN.....	23	5.8	7	1.8	5678	1428.3	59	14.8
QUEZON.....	177	1.4	17	1.3	4695	370.9	351	27.7
RIZAL.....	111	15.3	28	3.9	7751	1071.0	155	21.4
ROMBLON.....	100	44.2	15	6.6	1936	856.0	84	37.1
BATANGAS CITY.....	12	7.0	4	2.3	420	243.8	16	9.3
CAVITE CITY.....	17	17.2	6	6.1	787	798.1	57	57.8
LIPA CITY.....	10	6.9	4	2.7	255	176.2	27	18.6
LUCENA CITY.....	24	17.2	14	10.0	108	77.4	55	39.4
PUERTO PRINCESA.....	10	12.4	2	2.5	429	532.7	21	26.1
SAN PABLO CITY.....	12	7.8	6	3.9	1027	674.2	21	13.8
TAGAYTAY CITY.....	0	-	0	-	122	570.8	2	9.4
TRECE MARTIRES.....	8	73.7	0	-	176	1622.8	40	368.8
REGION 5	1522	36.2	94	2.2	63819	1519.0	1015	24.2
ALBAY.....	38	4.5	19	2.3	13909	1586.6	163	19.4
CAMARINES NORTE.....	10	2.6	7	1.8	4465	1163.0	143	37.2
CAMARINES SUR.....	133	11.6	10	0.9	22160	1924.9	252	21.9
CATANDUANES.....	548	267.8	3	1.5	3067	1498.9	53	25.9
MASBATE.....	730	104.2	23	3.3	9062	1293.7	155	22.1
SORSOGON.....	20	3.2	9	1.5	10312	1672.2	175	28.4
IRIGA CITY.....	6	8.3	2	2.7	539	745.7	26	36.0
LEGASPI CITY.....	18	13.5	13	9.7	701	524.7	32	24.0
NAGA CITY.....	19	19.0	8	8.0	205	205.0	16	16.0
REGION 6	1615	29.3	207	3.7	42240	765.6	656	11.9
AKLAN.....	180	44.5	15	3.7	4150	1025.0	59	14.6
ANTIQUE.....	158	36.9	20	4.7	4871	1138.8	55	12.8
CAPIZ.....	170	33.7	9	1.8	4798	952.7	49	9.7
ILOILO.....	250	17.4	43	3.0	6511	453.5	126	8.8
NEGROS OCC.....	667	44.5	64	4.3	16343	1091.2	175	11.7



TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INF. (002-003)				DIARRHEAS (004-009)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	27	8.7	15	4.8	611	195.9	51	16.3
BAGO CITY.....	41	32.7	1	0.8	64	51.0	17	13.5
CADIZ CITY.....	0	-	0	-	70	48.2	20	13.8
ILOILO CITY.....	75	26.7	16	5.7	1469	523.5	28	10.0
LA CARLOTA CITY...	6	10.4	0	-	1081	1880.5	8	13.9
ROXAS CITY.....	20	20.1	10	10.1	220	221.5	13	19.1
SAN CARLOS CITY...	17	17.5	13	13.4	1677	1723.9	34	35.8
SILAY CITY.....	4	3.1	1	0.8	375	287.8	21	16.1
REGION 7	1051	23.8	121	2.7	30527	690.7	607	13.7
BOHOL.....	175	20.4	21	2.4	9057	1054.2	140	16.3
CEBU.....	80	5.7	25	1.8	11510	824.9	154	11.0
NEGROS OR.....	575	72.0	15	1.9	6621	829.6	95	11.9
SIQUIJOR.....	27	33.8	4	5.0	847	1059.7	7	8.8
BAIS CITY.....	11	19.8	2	3.6	127	229.1	2	3.6
CANLADON CITY.....	4	13.2	0	-	91	300.7	15	49.5
CEBU CITY.....	70	11.5	24	3.9	738	121.4	58	9.5
DANAO CITY.....	9	13.6	3	4.5	375	567.1	16	24.2
DUMAGUETE CITY....	18	23.9	17	22.0	132	170.9	26	33.7
LAPU-LAPU CITY....	8	6.4	2	1.6	225	181.3	33	26.6
MANDAWE CITY.....	0	-	0	-	67	40.3	33	19.9
TAGBILARAN CITY...	9	18.7	5	10.4	118	244.5	20	41.4
TOLEDO CITY.....	65	58.2	3	2.7	619	544.7	8	7.2
REGION 8	620	19.1	100	3.1	38420	1182.1	624	19.2
LEYTE DEL NORTE....	97	7.8	27	2.2	14179	1145.2	234	18.9
LEYTE DEL SUR.....	49	13.6	7	1.9	4914	1365.8	47	13.1
EASTERN SAMAR.....	29	7.6	5	0.9	5036	1316.3	33	8.6
NORTHERN SAMAR....	55	11.8	21	4.5	6514	1394.9	174	37.3
WESTERN SAMAR.....	169	40.0	21	5.0	6566	1553.7	48	11.4
CALBAYOG CITY.....	199	164.4	9	7.4	508	419.8	34	28.1
ORMOC CITY.....	12	9.4	4	3.1	360	282.8	20	15.7
TACLOBAN CITY.....	10	7.6	6	4.6	343	260.2	34	25.8
REGION 9	480	16.0	76	2.5	45308	1509.7	357	11.9
BASILAN.....	32	13.2	2	0.8	3355	1384.9	7	2.9
SULU.....	9	2.1	5	1.2	4389	939.4	31	7.3
TAWI-TAWI.....	0	-	0	-	746	327.1	0	-
ZAMB. DEL NORTE....	96	3.2	20	3.6	10158	1840.1	61	11.0
ZAMB. DEL SUR.....	95	10.4	22	2.4	21431	2344.2	115	12.6

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

77

A R E A	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INF. (002-003)				DIARRHEAS (004-009)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	25	39.6	3	4.8	1104	1749.7	13	20.6
DIPOLOG CITY.....	58	77.0	1	1.3	1243	1649.4	15	19.9
PAGADIAN CITY.....	25	25.7	16	16.4	821	843.3	36	37.0
ZAMBOANGA CITY.....	140	34.4	7	1.7	2061	507.0	79	19.4
REGION 10	1275	36.7	56	1.6	38796	1117.3	597	17.2
AGUSAN DEL NORTE..	0	-	0	-	5094	2092.9	55	22.6
AGUSAN DEL SUR....	2	0.6	1	0.3	1620	468.5	51	14.7
BUKIDNON.....	131	16.7	8	1.0	6211	791.7	86	11.0
CAMIGUIN.....	0	-	0	-	788	1195.9	9	13.7
MISAMIS OCC.....	21	8.0	6	2.3	4433	1681.6	25	9.5
MISAMIS OR.....	29	6.2	4	0.9	7408	1575.7	95	20.2
SURIGAO DEL NORTE.	139	38.0	6	1.6	3578	978.3	41	11.2
BUTUAN CITY.....	198	92.1	8	3.7	2881	1339.6	73	33.9
CAGAYAN DE ORO....	464	141.1	8	2.4	3111	946.2	78	23.7
GINGOGG CITY.....	7	7.1	0	-	1025	1040.5	33	33.5
OROQUIETA CITY....	151	264.9	2	3.5	203	356.1	7	12.3
IZAMIS CITY.....	100	108.6	2	2.2	2363	2565.7	20	21.7
SURIGAO CITY.....	18	18.5	9	9.9	59	60.7	7	7.2
TANGUB CITY.....	15	33.5	2	4.5	22	49.1	17	37.9
REGION 11	1647	38.4	88	2.1	55518	1295.5	676	15.8
COTABATO SOUTH....	144	19.0	11	1.4	9321	1226.7	121	15.9
DAVAO DEL NORTE...	125	13.2	19	2.0	7338	776.6	145	15.3
DAVAO ORIENTAL....	144	34.2	3	0.7	5770	1370.2	61	14.5
DAVAO DEL SUR.....	247	38.7	12	1.9	18542	2904.8	69	10.8
SURIGAO DEL SUR...	342	69.7	15	3.1	8206	1673.3	130	26.5
DAVAO CITY.....	606	74.7	20	2.5	4692	578.7	67	8.3
GEN. SANTOS CITY..	39	17.7	8	3.6	1649	749.5	83	37.7
REGION 12	2072	73.8	46	1.6	56886	2025.8	399	14.2
COTABATO NORTH....	27	3.8	4	0.6	14413	2042.1	85	12.0
LANAO DEL NORTE...	400	105.2	10	2.6	7148	1879.7	37	9.7
LANAO DEL SUR.....	875	208.1	0	-	9619	2286.1	66	15.7
MAGUINDANAO.....	341	62.6	3	0.5	13962	2564.4	40	7.3
SULTAN KUDARAT....	89	22.2	3	0.7	7074	1768.2	62	15.5
COTABATO CITY.....	92	90.0	9	8.8	1911	1870.0	44	43.1
ILIGAN CITY.....	216	111.2	13	6.7	1967	1012.4	35	18.0
MARAWI CITY.....	32	52.9	4	6.6	798	1318.6	30	49.6

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	TUBERCULOSIS, OTHER FORMS (010-012;014-018;197)				T. B. MENINGITIS (019)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	180082	306.7	26598	45.3	3031	5.2	422	0.7
NAT. CAP. REGION..	12737	170.0	4153	55.4	291	3.9	116	1.5
1ST DIST. MANILA..	4346	233.5	1162	62.4	125	6.7	50	2.7
2ND DIST. MUN.....	1129	108.0	492	47.1	45	4.3	14	1.3
QUEZON CITY.....	2089	141.5	1218	82.5	56	3.8	24	1.6
3RD DIST. MUN.....	1471	202.2	306	42.1	15	2.1	9	1.2
CALOCAN CITY....	1151	199.7	383	66.4	18	3.1	5	0.9
4TH DIST. MUN.....	1817	124.8	476	32.7	23	1.6	12	0.8
PASAY CITY.....	734	209.3	116	33.1	9	2.6	2	0.6
REGION 1	10567	252.1	2012	48.0	267	6.4	20	0.5
ABRA.....	71	32.6	50	23.0	11	5.1	1	0.5
BENGUET.....	246	85.8	36	12.6	14	4.9	0	-
ILOCOS NORTE.....	1189	303.8	167	42.7	20	5.1	1	0.3
ILOCOS SUR.....	1045	196.8	276	52.0	14	2.6	1	0.2
ILA UNION.....	2158	384.7	293	52.2	34	6.1	4	0.7
MT. PROVINCE.....	110	93.7	13	11.1	6	5.1	0	-
PANGASINAN.....	4693	286.9	909	55.5	142	8.7	4	0.2
BAGUIO CITY.....	312	210.0	50	33.7	2	1.3	0	-
DAVUPAN CITY.....	280	253.4	105	95.0	14	12.7	7	6.3
LAOAG CITY.....	153	202.6	37	49.0	1	1.3	0	-
SAN CARLOS CITY...	310	268.4	76	65.8	9	7.8	2	1.7
REGION 2	6140	229.5	950	35.5	86	3.2	3	0.1
BATANES.....	55	365.8	5	33.3	0	-	0	-
CAGAYAN.....	2441	293.2	384	46.1	33	4.0	0	-
IFUGAO.....	190	144.7	30	22.8	0	-	0	-
ISABELA.....	1956	184.6	407	38.4	19	1.8	3	0.3
KALINGA-APAYAO...	401	176.1	35	15.4	0	-	0	-
NEIVA VIZCAYA....	601	199.8	49	16.3	13	4.3	0	-
QUIRINO.....	496	456.2	40	36.8	21	19.3	0	-
REGION 3	18741	324.4	2807	48.6	349	6.0	40	0.7
BATAAN.....	3047	726.2	228	54.3	46	11.0	4	1.1
BULACAN.....	5161	392.0	754	57.3	64	4.9	14	1.1
NUOVA ECIJA.....	1482	143.9	444	42.9	39	3.8	2	0.2
PAMPANGA.....	3480	296.7	455	38.8	105	9.0	9	0.8
TARLAC.....	1865	235.9	422	53.4	6	0.8	4	0.5
ZAMBALES.....	828	237.8	177	50.8	8	2.3	3	0.9
ANGELES CITY.....	918	380.0	95	39.3	17	7.0	1	0.4
CABANATUAN CITY...	470	276.9	107	63.0	0	-	0	-

TABLE 16

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1998**

79

A R E A	TUBERCULOSIS, OTHER FORMS (010-012; 014-018; 137)				T. B. MENINGITIS (013)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	1204	633.5	88	46.3	64	33.7	3	1.8
PALAYAN CITY.....	20	98.6	2	9.9	0	-	0	-
SAN JOSE CITY.....	266	361.1	35	47.5	0	-	0	-
REGION 4	23590	309.3	4052	53.1	298	3.9	63	0.8
AURORA.....	245	187.5	48	36.7	1	0.8	0	-
BATANGAS.....	3667	346.9	349	33.0	20	1.9	8	0.8
CAVITE.....	2104	241.1	369	42.3	15	1.7	4	0.5
LAGUNA.....	1645	151.7	696	64.2	12	1.1	6	0.6
MARINDUQUE.....	1240	597.1	190	91.5	7	3.4	1	0.5
MINDORO OCC.....	721	263.9	94	34.4	7	2.6	2	0.7
MINDORO OR.....	7764	1368.1	313	55.2	25	4.4	6	1.1
PALAWAN.....	791	199.0	109	27.4	5	1.3	2	0.5
QUEZON.....	2241	177.0	816	64.5	81	6.4	12	0.9
RIZAL.....	1158	160.0	398	55.0	68	9.4	6	0.8
ROMBLON.....	457	202.1	188	83.1	16	7.1	1	0.4
BATANGAS CITY.....	110	63.9	99	57.5	4	2.3	1	0.6
CAVITE CITY.....	150	152.1	46	46.6	5	5.1	1	1.0
LIPA CITY.....	696	480.8	76	52.4	8	5.5	1	0.7
LUCENA CITY.....	287	205.7	114	81.7	12	8.6	9	6.4
PUERTO PRINCESA.....	47	58.4	29	36.0	0	-	0	-
SAN PABLO CITY.....	208	136.5	80	52.5	11	7.2	3	2.0
TAGAYTAY CITY.....	18	84.2	6	28.1	0	-	0	-
TRECE MARTIRES.....	41	378.1	32	295.1	1	9.2	0	-
REGION 5	31058	739.2	2709	64.5	336	8.0	45	1.1
ALBAY.....	3419	407.6	551	65.7	27	3.2	6	0.7
CAMARINES NORTE.....	2384	620.9	270	70.3	103	26.8	5	1.3
CAMARINES SUR.....	5749	499.4	814	70.7	117	10.2	8	0.7
CATANDUANES.....	1321	645.6	184	89.9	17	8.3	8	3.9
MASBATE.....	4175	596.0	191	27.2	9	1.3	1	0.1
SORSOGON.....	13313	2158.8	396	64.2	31	5.0	3	0.5
IRIGA CITY.....	163	225.9	61	84.6	3	4.2	0	-
LEGASPI CITY.....	284	212.6	106	79.3	17	12.7	11	8.2
NAGA CITY.....	250	250.0	136	136.0	12	12.0	3	3.0
REGION 6	19903	360.7	3436	62.3	185	3.4	24	0.4
AKLAN.....	1612	398.2	297	73.4	10	2.5	2	0.5
ANTIQUE.....	2937	686.6	404	94.5	11	2.6	1	0.2
CAPIZ.....	1214	241.1	193	38.3	0	-	0	-
ILOILO.....	3421	238.3	854	59.5	67	4.7	4	0.3
NEGROS OCC.....	5314	354.8	772	51.5	44	2.9	4	0.3

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

A R E A	TUBERCULOSIS, OTHER FORMS (010-012; 014-018; 137)				T. B. MENINGITIS (013)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAVOLOD CITY.....	428	137.2	359	115.1	17	5.4	8	2.6
DAGO CITY.....	109	86.8	92	73.3	0	-	0	-
DADIZ CITY.....	91	62.6	68	46.8	9	6.2	1	0.7
ILOILO CITY.....	1184	421.9	157	55.9	6	2.1	1	0.4
LA CARLOTA CITY...	1265	2200.6	47	81.8	7	12.2	1	1.7
LOMAS CITY.....	53	53.4	45	45.3	0	-	0	-
SAN CARLOS CITY...	1517	1559.4	57	58.6	0	-	0	-
SILAY CITY.....	758	581.7	91	69.8	14	10.7	2	1.5
REGION 7	7871	178.1	1586	35.9	167	3.8	41	0.9
BOHOL.....	2118	246.5	366	42.6	17	2.0	7	0.8
CEBU.....	2761	197.9	326	23.4	29	2.1	2	0.1
NEGROS OR.....	1197	150.0	192	24.1	31	3.9	1	0.1
SIGUIJOR.....	367	459.1	71	88.8	4	5.0	0	-
BAIS CITY.....	320	577.4	18	32.5	2	3.6	1	1.8
CANLADN CITY.....	67	221.4	15	49.6	0	-	0	-
CEBU CITY.....	471	77.5	345	56.8	58	9.5	21	3.5
DANAO CITY.....	68	102.8	12	18.1	1	1.5	0	-
DUMAGUETE CITY...	159	205.9	62	80.3	6	7.9	5	6.5
LAPU-LAPU CITY...	95	76.6	80	64.5	0	-	0	-
MANDAWE CITY.....	91	54.7	38	22.9	5	3.0	1	0.6
TABBILARAN CITY...	86	178.2	49	101.5	4	8.9	2	4.1
TOLEDO CITY.....	71	63.6	12	10.8	10	9.0	1	0.9
REGION 8	8954	275.5	1547	47.6	83	2.6	17	0.5
LEYTE DEL NORTE...	3824	308.9	744	60.1	16	1.3	8	0.6
LEYTE DEL SUR.....	1575	437.8	229	69.6	11	9.1	4	1.1
EASTERN SAMAR.....	1150	300.6	63	16.5	1	0.3	0	-
NORTHERN SAMAR.....	1076	230.4	152	32.5	0	-	0	-
WESTERN SAMAR.....	698	165.2	107	25.3	20	4.7	0	-
CALBAYOG CITY.....	105	86.8	77	63.6	7	5.8	0	-
ORMOC CITY.....	222	174.4	65	51.1	24	19.9	2	1.6
TACLOBAN CITY.....	304	175.0	110	83.4	4	3.0	3	2.3
REGION 9	10404	346.7	663	22.1	87	2.9	8	0.3
BASILAN.....	219	90.4	39	16.1	4	1.7	1	0.4
SULU.....	1469	347.9	55	13.0	0	-	0	-
TAWI-TAWI.....	359	157.4	12	5.3	0	-	0	-
ZAMB. DEL NORTE...	606	109.8	71	12.9	1	0.2	0	-
ZAMB. DEL SUR.....	6477	708.5	167	18.3	70	7.7	3	0.3

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

81

A R E A	TUBERCULOSIS, OTHER FORMS (010-012;014-016;137)				T. B. MENINGITIS (013)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	106	168.0	20	31.7	1	1.6	0	-
DIPOLOG CITY.....	86	114.1	49	57.1	2	2.7	1	1.3
PASADIAN CITY.....	210	215.7	79	81.1	0	-	0	-
ZAMBOANGA CITY....	872	214.5	177	49.5	9	2.2	3	0.7
REGION 10	9132	263.0	958	27.6	330	9.5	10	0.9
AGUSAN DEL NORTE..	799	328.3	58	23.8	28	11.5	0	-
AGUSAN DEL SUR....	125	36.1	38	11.0	1	0.9	0	-
BUKIDNON.....	2441	311.2	108	13.8	42	5.4	0	-
CAMIGUIN.....	45	68.3	36	54.6	3	4.6	1	1.5
MISAMIS OCC.....	679	255.3	100	37.9	47	17.8	1	0.4
MISAMIS OR.....	921	195.9	139	29.6	1	0.2	0	-
SURIGAO DEL NORTE.	1056	288.7	127	34.7	19	5.2	3	0.8
BUTUAN CITY.....	275	127.9	47	21.9	22	4.8	0	-
CAGAYAN DE ORO....	1505	457.7	125	38.0	156	47.4	1	0.3
GINGOGS CITY.....	358	363.4	33	33.5	3	3.0	1	1.0
OROQUIETA CITY....	131	229.8	41	71.9	0	-	0	-
OZAMIS CITY.....	591	1641.7	53	57.5	0	-	0	-
SURIGAO CITY.....	153	157.5	40	41.2	8	8.2	3	3.1
TANGUB CITY.....	59	131.6	13	29.0	0	-	0	-
REGION 11	10127	236.3	1185	27.7	387	9.0	28	0.7
COTABATO SOUTH....	1580	207.9	152	20.0	14	1.8	2	0.3
DAVAO DEL NORTE....	1000	105.8	246	26.0	20	2.1	5	0.5
DAVAO ORIENTAL....	1307	310.4	54	12.8	7	1.7	0	-
DAVAO DEL SUR.....	977	153.1	122	19.1	22	3.4	1	0.2
SURIGAO DEL SUR...	2889	589.1	162	33.0	23	4.7	1	0.2
DAVAO CITY.....	2133	262.9	324	40.0	41	5.1	17	2.1
GEN. SANTOS CITY..	241	109.5	125	56.8	260	118.2	2	0.9
REGION 12	10858	386.7	540	19.2	165	5.9	7	0.2
COTABATO NORTH....	2377	336.8	108	15.3	76	10.8	2	0.3
LANAO DEL NORTE...	830	218.3	76	20.0	10	2.6	1	0.3
LANAO DEL SUR.....	692	164.6	15	3.6	12	2.9	0	-
MAGUINDANAO.....	2572	472.4	37	6.8	14	2.6	0	-
SULTAN KUDARAT....	3406	851.3	103	25.7	29	7.2	1	0.2
COTABATO CITY.....	660	645.8	84	82.2	12	11.7	3	2.9
ILIGAN CITY.....	146	75.1	108	55.6	3	1.5	0	-
MARAWI CITY.....	175	289.2	9	14.9	9	14.9	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	LEPROSY (030)				DIPHTHERIA (032)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	1661	2.8	86	0.1	1202	2.0	186	0.3
NAT. CAP. REGION..	27	0.4	10	0.1	371	5.0	38	0.5
1ST DIST. MANILA..	0	-	0	-	278	14.9	31	1.7
2ND DIST. MUN.....	6	0.6	0	-	9	0.9	2	0.2
QUEZON CITY.....	0	-	0	-	76	5.1	3	0.2
3RD DIST. MUN.....	0	-	0	-	5	0.7	1	0.1
CALOCAN CITY.....	19	3.3	9	1.6	0	-	0	-
4TH DIST. MUN.....	2	0.1	1	0.1	3	0.2	1	0.1
PASAY CITY.....	0	-	0	-	0	-	0	-
REGION 1	365	8.7	17	0.4	78	1.9	19	0.5
ABRA.....	0	-	0	-	0	-	0	-
BENGUET.....	10	3.5	0	-	0	-	0	-
ILOCOS NORTE.....	24	6.1	4	1.0	3	0.8	2	0.5
ILOCOS SUR.....	111	20.9	4	0.8	0	-	0	-
ILA UNION.....	22	3.9	3	0.5	6	1.1	2	0.4
IMT. PROVINCE.....	12	10.2	1	0.9	0	-	0	-
PANGASINAN.....	186	11.4	5	0.3	27	1.6	7	0.4
BAGUIO CITY.....	0	-	0	-	20	13.5	1	0.7
DAWUPAN CITY.....	0	-	0	-	5	4.5	4	3.6
LAOAG CITY.....	0	-	0	-	10	13.2	2	2.6
SAN CARLOS CITY....	0	-	0	-	7	6.1	1	0.9
REGION 2	187	7.0	5	0.2	51	1.9	13	0.5
BATANES.....	18	119.7	0	-	0	-	0	-
CAGAYAN.....	65	7.8	2	0.2	7	0.8	2	0.2
IFUGAO.....	0	-	0	-	0	-	0	-
ISABELA.....	12	1.1	2	0.2	12	1.1	9	0.8
KALINGA-APAYAO....	31	13.6	0	-	0	-	0	-
NEIVA VIZCAYA.....	28	9.9	0	-	1	0.3	0	-
QUIRINO.....	33	30.4	1	0.9	31	28.5	2	1.8
REGION 3	168	2.9	8	0.1	145	2.5	12	0.2
BATAAN.....	14	3.3	0	-	0	-	0	-
BULACAN.....	31	2.4	1	0.1	9	0.7	3	0.2
NUOVA ECIJA.....	44	4.3	2	0.2	25	2.4	0	-
PAMPANGA.....	24	2.0	2	0.2	39	3.3	4	0.3
TARLAC.....	20	2.5	3	0.4	4	0.5	1	0.1
ZAMBALES.....	2	0.6	0	-	5	1.4	1	0.3
ANGELES CITY.....	0	-	0	-	49	20.3	0	-
CABANATUAN CITY....	31	18.3	0	-	6	3.5	1	0.6

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

89

A R E A	LEPROSY (030)				DIPHTHERIA (092)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	0	-	0	-	8	4.2	2	1.1
PALAYAN CITY.....	2	9.9	0	-	0	-	0	-
SAN JOSE CITY.....	0	-	0	-	0	-	0	-
REGION 4	146	1.9	5	0.1	170	2.2	16	0.2
AURORA.....	3	2.3	0	-	6	4.6	0	-
BATANGAS.....	0	-	0	-	2	0.2	1	0.1
CAVITE.....	8	0.9	0	-	9	1.0	0	-
LAGUNA.....	5	0.5	1	0.1	0	-	0	-
MARINOUQUE.....	7	3.4	0	-	6	2.9	0	-
MINDORO OCC.....	0	-	0	-	1	0.4	0	-
MINDORO OR.....	10	1.8	0	-	68	12.0	3	0.5
PALAWAN.....	39	9.8	2	0.5	30	7.5	0	-
QUEZON.....	4	0.3	1	0.1	6	0.5	0	-
RIZAL.....	51	7.0	1	0.1	3	0.4	1	0.1
ROMBLON.....	0	-	0	-	2	0.9	2	0.9
BATANGAS CITY.....	9	5.2	0	-	15	8.7	3	1.7
CAVITE CITY.....	0	-	0	-	0	-	0	-
ILIPA CITY.....	6	4.1	0	-	0	-	0	-
ILUCENA CITY.....	0	-	0	-	11	7.9	5	3.6
PUERTO PRINCESA.....	2	2.5	0	-	9	11.2	1	1.2
SAN PABLO CITY.....	2	1.3	0	-	0	-	0	-
TAGAYTAY CITY.....	0	-	0	-	0	-	0	-
TRECE MARTIRES.....	0	-	0	-	2	18.4	0	-
REGION 5	22	0.5	9	0.2	45	1.1	14	0.3
ALBAY.....	5	0.6	1	0.1	3	0.4	0	-
CAMARINES NORTE.....	2	0.5	1	0.3	2	0.5	0	-
CAMARINES SUR.....	8	0.7	4	0.3	5	0.4	0	-
CATANDUANES.....	2	1.0	1	0.5	9	4.4	0	-
MASBATE.....	3	0.4	1	0.1	2	0.3	1	0.1
SORSOGON.....	2	0.3	1	0.2	8	1.3	2	0.3
IRIGA CITY.....	0	-	0	-	0	-	0	-
LEGASPI CITY.....	0	-	0	-	2	1.5	2	1.5
NAGA CITY.....	0	-	0	-	14	14.0	9	9.0
REGION 6	55	1.0	6	0.1	78	1.4	20	0.4
AKLAN.....	0	-	0	-	21	5.2	3	0.7
ANTIQUE.....	13	3.0	2	0.5	2	0.5	1	0.2
CAPIZ.....	1	0.2	0	-	15	3.0	1	0.2
ILOILO.....	21	1.5	3	0.2	11	0.8	4	0.3
INEGROS OCC.....	4	0.3	1	0.1	11	0.7	1	0.1



TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

AREA	LEPROSY (030)				DIPHTHERIA (032)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	0	-	0	-	7	2.2	4	1.3
BAGO CITY.....	0	-	0	-	0	-	0	-
CADIZ CITY.....	0	-	0	-	0	-	0	-
ILOILO CITY.....	0	-	0	-	9	3.2	5	1.6
LA CARLOTA CITY...	0	-	0	-	0	-	0	-
ROKAS CITY.....	0	-	0	-	2	2.0	1	1.0
SAN CARLOS CITY...	15	15.4	0	-	0	-	0	-
SILAY CITY.....	1	0.8	0	-	0	-	0	-
REGION 7	80	1.8	4	0.1	29	0.7	11	0.2
BOHOL.....	17	2.0	1	0.1	8	0.9	2	0.2
CEBU.....	27	1.9	1	0.1	3	0.2	1	0.1
NEGROS OR.....	16	2.0	0	-	1	0.1	0	-
SIQUIJOR.....	2	2.5	0	-	0	-	0	-
BAIS CITY.....	0	-	0	-	0	-	0	-
CANLADON CITY.....	0	-	0	-	0	-	0	-
CEBU CITY.....	0	-	0	-	5	0.8	3	0.5
DANAO CITY.....	5	7.6	1	1.5	4	6.0	2	3.0
DUMAGUETE CITY....	0	-	0	-	0	-	0	-
LAPU-LAPU CITY....	0	-	0	-	0	-	0	-
MANDAME CITY.....	13	7.8	1	0.6	0	-	0	-
TAGBILARAN CITY....	0	-	0	-	3	5.2	1	2.1
TOLEDO CITY.....	0	-	0	-	5	4.5	2	1.6
REGION 8	72	2.2	9	0.3	11	0.3	3	0.1
LEYTE DEL NORTE...	47	3.8	5	0.4	0	-	0	-
LEYTE DEL SUR.....	5	1.4	1	0.3	0	-	0	-
EASTERN SAMAR.....	6	1.6	1	0.3	3	0.8	1	0.3
NORTHERN SAMAR....	10	2.1	1	0.2	4	0.9	1	0.2
WESTERN SAMAR.....	3	0.7	0	-	0	-	0	-
CALBAYOG CITY.....	0	-	0	-	0	-	0	-
ORMOC CITY.....	1	0.8	1	0.8	0	-	0	-
TACLOBAN CITY.....	0	-	0	-	4	3.0	1	0.8
REGION 9	133	4.4	8	0.3	55	1.8	5	0.2
BASILAN.....	32	13.2	0	-	45	18.6	1	0.4
SULU.....	33	7.8	0	-	0	-	0	-
TAWI-TAWI.....	0	-	0	-	0	-	0	-
TAWI-TAWI.....	10	1.8	0	-	0	-	0	-
ZAMB. DEL NORTE...	41	4.5	0	-	3	0.3	1	0.1
ZAMB. DEL SUR.....								

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

89

AREA	LEPROSY (030)				DIPHTHERIA (032)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
IOLONGAPO CITY.....	0	-	0	-	8	4.2	2	1.1
I PALAYAN CITY.....	2	9.9	0	-	0	-	0	-
I SAN JOSE CITY.....	0	-	0	-	0	-	0	-
REGION 4	146	1.9	5	0.1	170	2.2	16	0.2
I AURORA.....	3	2.3	0	-	6	4.6	0	-
I BATANGAS.....	0	-	0	-	2	0.2	1	0.1
I CAVITE.....	8	0.9	0	-	9	1.0	0	-
I LAGUNA.....	5	0.5	1	0.1	0	-	0	-
I MARINOUQUE.....	7	3.4	0	-	6	2.9	0	-
I MINDORO OCC.....	0	-	0	-	1	0.4	0	-
I MINDORO OR.....	10	1.8	0	-	68	12.0	3	0.5
I PALAWAN.....	39	9.8	2	0.5	30	7.5	0	-
I QUEZON.....	4	0.3	1	0.1	6	0.5	0	-
I RIZAL.....	51	7.0	1	0.1	9	0.4	1	0.1
I ROMBLON.....	0	-	0	-	2	0.9	2	0.9
I BATANGAS CITY.....	9	5.2	0	-	15	8.7	3	1.7
I CAVITE CITY.....	0	-	0	-	0	-	0	-
I LIPA CITY.....	6	4.1	0	-	0	-	0	-
I LUCENA CITY.....	0	-	0	-	11	7.9	5	3.6
I PUERTO PRINCESA.....	2	2.5	0	-	9	11.2	1	1.2
I SAN PABLO CITY.....	2	1.3	0	-	0	-	0	-
I TAGAYTAY CITY.....	0	-	0	-	0	-	0	-
I TRECE MARTIRES.....	0	-	0	-	2	18.4	0	-
REGION 5	22	0.5	9	0.2	45	1.1	14	0.3
I ALBAY.....	5	0.6	1	0.1	3	0.4	0	-
I CAMARINES NORTE.....	2	0.5	1	0.3	2	0.5	0	-
I CAMARINES SUR.....	8	0.7	4	0.3	5	0.4	0	-
I CATANDUANES.....	2	1.0	1	0.5	9	4.4	0	-
I MASBATE.....	3	0.4	1	0.1	2	0.3	1	0.1
I SORSOGON.....	2	0.3	1	0.2	8	1.3	2	0.3
I ORIGA CITY.....	0	-	0	-	0	-	0	-
I LEGASPI CITY.....	0	-	0	-	2	1.5	2	1.5
I NAGA CITY.....	0	-	0	-	14	14.0	9	9.0
REGION 6	55	1.0	6	0.1	78	1.4	20	0.4
I Aklan.....	0	-	0	-	21	5.2	3	0.7
I ANTIQUE.....	13	3.0	2	0.5	2	0.6	1	0.2
I CAPIZ.....	1	0.2	0	-	15	3.0	1	0.2
I ILOILO.....	21	1.5	3	0.2	11	0.8	4	0.3
I NEGROS OCC.....	4	0.3	1	0.1	11	0.7	1	0.1

TABLE 16

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1988**

A R E A	LEPROSY (030)				DIPHTHERIA (092)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BAKOLOD CITY.....	0	-	0	-	7	2.2	4	1.9
BAGO CITY.....	0	-	0	-	0	-	0	-
CADIZ CITY.....	0	-	0	-	0	-	0	-
ILOILO CITY.....	0	-	0	-	9	3.2	5	1.8
LA CARLOTA CITY...	0	-	0	-	0	-	0	-
LOMAS CITY.....	0	-	0	-	2	2.0	1	1.0
SAN CARLOS CITY...	15	15.4	0	-	0	-	0	-
SILAY CITY.....	1	0.8	0	-	0	-	0	-
REGION 7	60	1.8	4	0.1	29	0.7	11	0.2
BOHOL.....	17	2.0	1	0.1	8	0.9	2	0.2
CEBU.....	27	1.9	1	0.1	3	0.2	1	0.1
NEGROS OR.....	16	2.0	0	-	1	0.1	0	-
SIQUIJOR.....	2	2.5	0	-	0	-	0	-
BAIS CITY.....	0	-	0	-	0	-	0	-
CANLADON CITY.....	0	-	0	-	0	-	0	-
CEBU CITY.....	0	-	0	-	5	0.8	3	0.5
DANAO CITY.....	5	7.6	1	1.5	4	6.0	2	3.0
DUMAGUETE CITY....	0	-	0	-	0	-	0	-
LAPU-LAPU CITY....	0	-	0	-	0	-	0	-
MANDAWE CITY.....	13	7.8	1	0.6	0	-	0	-
TAGBILARAN CITY...	0	-	0	-	3	6.2	1	2.1
TOLEDO CITY.....	0	-	0	-	5	4.5	2	1.8
REGION 8	72	2.2	9	0.3	11	0.3	3	0.1
ILEYTE DEL NORTE...	47	3.8	5	0.4	0	-	0	-
ILEYTE DEL SUR.....	5	1.4	1	0.3	0	-	0	-
EASTERN SAMAR.....	6	1.6	1	0.3	3	0.8	1	0.3
NORTHERN SAMAR....	10	2.1	1	0.2	4	0.9	1	0.2
WESTERN SAMAR.....	3	0.7	0	-	0	-	0	-
CALBAYOG CITY.....	0	-	0	-	0	-	0	-
ORMOC CITY.....	1	0.8	1	0.8	0	-	0	-
TACLOBAN CITY.....	0	-	0	-	4	3.0	1	0.8
REGION 9	133	4.4	8	0.3	55	1.8	5	0.2
BASILAN.....	92	13.2	0	-	45	18.6	1	0.4
SULU.....	33	7.8	0	-	0	-	0	-
TAWI-TAWI.....	0	-	0	-	0	-	0	-
ZAMB. DEL NORTE...	10	1.8	0	-	0	-	0	-
ZAMB. DEL SUR.....	41	4.5	0	-	3	0.3	1	0.1

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

85

A R E A	LEPROSY (030)				DIPHTHERIA (032)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
IDAPITAN CITY.....	0	-	0	-	0	-	0	-
IDIPOLOG CITY.....	0	-	0	-	3	4.0	1	1.3
IPAGADIAN CITY.....	3	3.1	0	-	2	2.1	1	1.0
IZAMBOANGA CITY....	14	3.4	8	2.0	2	0.5	1	0.2
REGION 10	114	3.3	0	-	56	1.6	4	0.1
LAGUSAN DEL NORTE..	41	16.8	0	-	0	-	0	-
LAGUSAN DEL SUR....	5	1.4	0	-	0	-	0	-
IBUKIDNON.....	23	2.9	0	-	6	0.8	0	-
ICAMIGUIN.....	1	1.5	0	-	0	-	0	-
IMISAMIS OCC.....	1	0.4	0	-	1	0.4	0	-
IMISAMIS OR.....	24	5.1	0	-	0	-	0	-
ISURIGAO DEL NORTE..	6	1.6	0	-	22	6.0	1	0.3
IBUTUAN CITY.....	1	0.5	0	-	3	1.4	0	-
ICAGAYAN DE ORG....	12	3.6	0	-	23	7.0	2	0.6
IGINGOOD CITY.....	0	-	0	-	1	1.0	1	1.0
IOROQUIETA CITY....	0	-	0	-	0	-	0	-
IOZAMIS CITY.....	0	-	0	-	0	-	0	-
ISURIGAO CITY.....	0	-	0	-	0	-	0	-
ITANGUB CITY.....	0	-	0	-	0	-	0	-
REGION 11	208	4.9	2	0.03	73	1.7	16	0.4
ICOTABATO SOUTH....	41	5.4	0	-	15	2.0	2	0.3
IDAVAO DEL NORTE....	68	7.2	1	0.1	5	0.5	2	0.2
IDAVAO ORIENTAL....	4	0.9	1	0.2	0	-	0	-
IDAVAO DEL SUR....	36	5.6	0	-	5	0.8	2	0.3
ISURIGAO DEL SUR....	22	4.5	0	-	11	2.2	0	-
IDAVAO CITY.....	2	0.2	0	-	23	2.8	6	0.7
IGEN. SANTOS CITY..	35	15.9	0	-	14	6.4	4	1.8
REGION 12	94	3.0	3	0.1	40	1.4	15	0.5
ICOTABATO NORTH....	21	3.0	0	-	7	1.0	2	0.3
ILANAO DEL NORTE....	0	-	0	-	2	0.5	1	0.3
ILANAO DEL SUR....	23	5.5	0	-	0	-	0	-
IMAGUINDANAO.....	24	4.4	3	0.5	4	0.7	0	-
ISULTAN KUDARAT....	16	4.0	0	-	10	2.5	4	1.0
ICOTABATO CITY.....	0	-	0	-	11	10.8	5	4.9
ILIGAN CITY.....	0	-	0	-	6	3.1	3	1.5
IMARAWI CITY.....	0	-	0	-	0	-	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

A R E A	WHOOPING COUGH (093)				TETANUS (037)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	7614	19.3	14	0.02	3199	5.4	1069	1.8
NAT. CAP. REGION..	303	4.0	1	0.01	392	5.2	108	1.4
1ST DIST. MANILA..	148	8.0	0	-	209	11.2	82	4.4
2ND DIST. MUN.....	21	2.0	0	-	23	2.2	5	0.5
QUEZON CITY.....	15	1.0	0	-	112	7.6	9	0.6
3RD DIST. MUN.....	49	6.7	0	-	19	2.6	3	0.4
CALOCAN CITY....	10	1.7	1	0.2	10	1.7	2	0.3
4TH DIST. MUN.....	51	3.5	0	-	14	1.0	7	0.5
PASAY CITY.....	9	2.6	0	-	5	1.4	0	-
REGION 1	472	11.3	2	0.05	182	4.3	89	2.1
ABRA.....	0	-	0	-	7	3.2	4	1.8
BENGUET.....	0	-	0	-	1	0.3	1	0.3
ILOCOS NORTE.....	3	0.8	1	0.3	9	2.3	6	1.5
ILOCOS SUR.....	72	13.6	1	0.2	31	5.8	13	2.4
LA UNION.....	27	4.8	0	-	46	8.2	14	2.5
MT. PROVINCE.....	0	-	0	-	12	10.2	2	1.7
PANGASINAN.....	81	4.9	0	-	33	2.0	23	1.4
BAGUIO CITY.....	0	-	0	-	6	4.0	1	0.7
DAGUPAN CITY.....	289	261.6	0	-	24	21.7	17	15.4
LAOAG CITY.....	0	-	0	-	3	4.0	2	2.6
SAN CARLOS CITY...	0	-	0	-	10	8.7	6	5.2
REGION 2	366	13.7	2	0.1	228	8.5	67	2.5
BATANES.....	0	-	0	-	0	-	0	-
CAGAYAN.....	131	15.7	0	-	83	10.0	22	2.6
IFUGAO.....	39	29.7	0	-	3	2.3	0	-
ISABELA.....	75	7.1	2	0.2	89	8.4	34	3.2
KALINGA-APAYAO....	25	11.0	0	-	12	5.3	1	0.4
NEUVA VIZCAYA....	65	21.6	0	-	18	6.0	4	1.3
QUIRINO.....	31	28.5	0	-	23	21.2	6	5.5
REGION 3	586	10.1	0	-	127	2.2	60	1.0
BATAAN.....	11	2.6	0	-	8	1.9	8	1.9
BULACAN.....	105	8.0	0	-	15	1.1	8	0.6
NUOVA ECIJA.....	33	3.2	0	-	10	1.0	6	0.6
PAMPANGA.....	264	22.5	0	-	14	1.2	9	0.8
TARLAC.....	53	6.7	0	-	16	2.0	10	1.3
ZAMBALES.....	24	6.9	0	-	21	6.0	6	1.7
ANGELES CITY.....	76	31.5	0	-	15	6.2	1	0.4
CABANATUAN CITY...	0	-	0	-	12	7.1	9	5.3

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

87

A R E A	WHOOPIING COUGH (033)				TETANUS (037)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
IOLONGAPO CITY.....	20	10.5	0	-	5	2.6	1	0.5
IPALAYAN CITY.....	0	-	0	-	0	-	0	-
ISAN JOSE CITY.....	0	-	0	-	11	14.9	2	2.7
REGION 4	468	6.1	1	0.01	246	3.2	103	1.4
IAURORA.....	7	5.4	0	-	12	9.2	5	3.8
IBATANGAS.....	54	5.1	0	-	12	1.1	10	0.9
ICAVITE.....	26	3.0	0	-	7	0.8	2	0.2
ILAGUNA.....	22	2.0	1	0.1	75	6.4	9	0.8
IMARINDUQUE.....	25	12.0	0	-	7	3.4	3	1.4
IMINDORO OCC.....	1	0.4	0	-	17	6.2	6	2.2
IMINDORO OR.....	126	22.2	0	-	26	4.6	18	3.2
IPALAWAN.....	103	25.9	0	-	8	2.0	4	1.0
IQUEZON.....	38	3.0	0	-	16	1.3	13	1.0
IRIZAL.....	62	8.6	0	-	18	2.5	11	1.5
IRONBLON.....	4	1.8	0	-	0	-	0	-
IBATANGAS CITY.....	0	-	0	-	19	11.0	11	6.4
ICAVITE CITY.....	0	-	0	-	0	-	0	-
ILIPA CITY.....	0	-	0	-	2	1.4	1	0.7
ILUCENA CITY.....	0	-	0	-	12	8.6	1	0.7
IPUERTO PRINCESA...	0	-	0	-	9	11.2	6	7.5
ISAN PABLO CITY.....	0	-	0	-	3	2.0	2	1.3
ITAGAYTAY CITY.....	0	-	0	-	3	14.0	1	4.7
ITRECE MARTIRES.....	0	-	0	-	0	-	0	-
REGION 5	1259	30.0	0	-	459	10.9	76	1.8
IALBAY.....	222	26.5	0	-	56	6.7	12	1.4
ICAMARINES NORTE...	9	2.3	0	-	60	15.6	12	3.1
ICAMARINES SUR.....	708	61.5	0	-	179	15.5	14	1.2
ICATANDUANES.....	26	12.7	0	-	48	23.5	11	5.4
IMASBATE.....	255	36.4	0	-	51	7.3	8	1.1
ISORSOGON.....	34	5.5	0	-	18	2.9	6	1.0
IRIGA CITY.....	1	1.4	0	-	10	13.9	2	2.8
ILEGASPI CITY.....	0	-	0	-	19	14.2	2	1.5
INAGA CITY.....	4	4.0	0	-	18	18.0	9	9.0
REGION 6	701	12.7	0	-	264	4.8	126	2.3
IAKLAN.....	0	-	0	-	11	2.7	6	1.5
IANTIQUE.....	126	29.5	0	-	22	5.1	12	2.8
ICAPIZ.....	26	5.2	0	-	32	6.4	4	0.8
ILOILO.....	0	-	0	-	40	2.8	30	2.1
INEGROS OCC.....	532	35.5	0	-	76	5.1	22	1.5

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

A R E A	WHOOPIING COUGH (033)				TETANUS (037)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	0	-	0	-	28	9.0	18	5.8
BAGO CITY.....	0	-	0	-	3	2.4	1	0.8
CADIZ CITY.....	0	-	0	-	5	3.4	3	2.1
ILOILO CITY.....	6	2.1	0	-	18	6.4	12	4.3
LA CARLOTA CITY...	0	-	0	-	1	1.7	1	1.7
LOKAS CITY.....	5	5.0	0	-	8	8.1	4	4.0
SAN CARLOS CITY...	0	-	0	-	8	8.2	4	4.1
SILAY CITY.....	6	4.6	0	-	12	9.2	9	6.9
REGION 7	277	6.3	1	0.02	176	4.0	96	2.2
BOHOL.....	9	1.0	1	0.1	19	2.2	6	0.7
CEBU.....	71	5.1	0	-	49	3.5	27	1.9
NEGROS OR.....	10	1.9	0	-	31	3.9	17	2.1
SIQUIJOR.....	1	1.9	0	-	4	5.0	3	3.8
BAIS CITY.....	1	1.8	0	-	0	-	0	-
CANLAW CITY.....	0	-	0	-	1	3.9	0	-
CEBU CITY.....	14	2.3	0	-	35	5.8	29	4.8
DAMAO CITY.....	96	145.2	0	-	0	-	0	-
DUMAGUETE CITY....	2	2.6	0	-	11	14.2	4	5.2
LAPU-LAPU CITY....	66	53.2	0	-	13	10.5	3	2.4
MANDAW CITY.....	0	-	0	-	5	3.0	2	1.2
TAGBILARAN CITY...	0	-	0	-	8	16.6	5	10.4
TOLEDO CITY.....	7	6.3	0	-	0	-	0	-
REGION 8	831	25.6	2	0.1	136	4.2	46	1.4
LEYTE DEL NORTE...	186	15.0	2	0.2	66	5.3	19	1.5
LEYTE DEL SUR.....	45	12.5	0	-	6	1.7	4	1.1
EASTERN SAMAR.....	277	72.4	0	-	3	0.8	0	-
NORTHERN SAMAR....	83	17.8	0	-	13	2.9	8	1.7
WESTERN SAMAR.....	87	20.6	0	-	9	2.1	3	0.7
CALBAYOG CITY.....	63	52.0	0	-	15	12.4	7	5.8
ORMOG CITY.....	90	70.7	0	-	17	13.4	2	1.6
TACLOBAN CITY.....	0	-	0	-	7	5.3	3	2.9
REGION 9	450	15.0	0	-	210	7.0	56	1.9
BASILAN.....	15	6.2	0	-	2	0.8	1	0.4
SULU.....	143	33.9	0	-	19	4.5	13	3.1
TAMI-TAMI.....	0	-	0	-	2	0.9	0	-
ZAMB. DEL NORTE...	26	4.7	0	-	11	2.0	3	0.5
ZAMB. DEL SUR.....	254	27.8	0	-	92	10.1	10	1.1

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

89

A R E A	WHOOPING COUGH (039)				TETANUS (037)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	0	-	0	-	2	3.2	1	1.6
DIPOLOG CITY.....	0	-	0	-	7	9.9	3	4.0
PAGADIAN CITY.....	2	2.1	0	-	12	12.3	10	10.3
ZAMBOANGA CITY.....	10	2.5	0	-	63	15.5	15	3.7
REGION 10	300	8.6	1	0.03	332	9.6	79	2.3
AGUSAN DEL NORTE..	23	9.4	0	-	25	10.3	2	0.8
AGUSAN DEL SUR....	39	11.3	0	-	12	3.5	6	1.7
BUKIDNON.....	46	5.9	0	-	32	4.1	12	1.5
CAMIGUIN.....	0	-	0	-	8	12.1	2	3.0
MISAMIS OCC.....	5	1.9	0	-	7	2.7	2	0.8
MISAMIS OR.....	58	12.3	0	-	9	1.9	5	1.1
SURIGAO DEL NORTE.	55	15.0	0	-	6	1.6	4	1.1
BUTUAN CITY.....	30	13.9	0	-	35	16.3	14	6.5
CAGAYAN DE ORO....	7	2.1	1	0.3	150	45.6	11	3.3
GINGOGG CITY.....	0	-	0	-	20	20.3	9	9.1
OROQUIETA CITY....	16	28.1	0	-	5	8.8	2	3.5
IOZAMIS CITY.....	0	-	0	-	14	15.2	4	4.3
SURIGAO CITY.....	21	21.6	0	-	8	8.2	5	5.1
TANGUB CITY.....	0	-	0	-	1	2.2	1	2.2
REGION 11	867	20.2	3	0.1	228	5.3	92	2.1
COTABATO SOUTH....	61	8.0	1	0.1	42	5.5	6	0.8
DAVAO DEL NORTE....	79	8.4	1	0.1	28	3.0	22	2.3
DAVAO ORIENTAL....	120	30.4	0	-	14	3.9	3	0.7
DAVAO DEL SUR.....	129	20.2	0	-	14	2.2	8	1.3
SURIGAO DEL SUR...	305	62.2	1	0.2	24	4.9	18	3.7
DAVAO CITY.....	120	14.8	0	-	99	12.2	3	3.7
GEN. SANTOS CITY..	45	20.5	0	-	7	3.2	5	2.3
REGION 12	934	33.3	1	0.04	219	7.8	71	2.5
COTABATO NORTH....	416	58.9	0	-	46	6.5	8	1.1
LANAO DEL NORTE....	28	7.4	0	-	12	3.2	5	1.3
LANAO DEL SUR.....	59	12.6	0	-	45	10.7	0	-
MAGUINDANAO.....	194	35.6	0	-	9	1.6	1	0.2
SULTAN KUDARAT....	233	58.2	0	-	17	4.2	9	2.2
COTABATO CITY.....	1	1.0	0	-	44	43.1	16	15.7
ILIGAN CITY.....	6	3.1	1	0.5	24	12.4	17	8.7
MARAWI CITY.....	3	5.0	0	-	22	36.4	15	24.8



TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	ACUTE POLIOMYELITIS (045-198)				VARICELLA (052)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	344	0.6	40	0.07	6767	11.5	12	0.02
NAT. CAP. REGION..	62	0.8	4	0.05	1649	22.0	1	0.01
1ST DIST. MANILA..	41	2.2	2	0.1	399	21.4	0	-
2ND DIST. MUN.....	6	0.6	1	0.1	220	21.0	0	-
QUEZON CITY.....	5	0.3	0	-	451	30.5	0	-
3RD DIST. MUN.....	7	1.0	1	0.1	149	20.5	0	-
CALOCAN CITY....	3	0.5	0	-	90	15.6	0	-
4TH DIST. MUN.....	0	-	0	-	88	6.0	0	-
PASAY CITY.....	0	-	0	-	253	72.1	1	0.3
REGION 1	85	2.0	5	0.1	590	14.1	1	0.02
ABRA.....	0	-	0	-	0	-	0	-
BENGUET.....	0	-	0	-	128	44.6	0	-
ILOCOS NORTE.....	6	1.5	1	0.3	35	8.9	0	-
ILOCOS SUR.....	2	0.4	0	-	50	9.4	0	-
LA UNION.....	0	-	0	-	27	4.8	0	-
MT. PROVINCE.....	0	-	0	-	62	52.8	0	-
PANGASINAN.....	15	0.9	2	0.1	83	5.1	0	-
BAGUIO CITY.....	41	27.6	0	-	189	127.2	0	-
DAGUPAN CITY.....	16	14.5	1	0.9	16	14.5	1	0.9
LAOAG CITY.....	0	-	0	-	0	-	0	-
SAN CARLOS CITY....	5	4.3	1	0.9	0	-	0	-
REGION 2	4	0.1	1	0.04	505	18.9	1	0.04
BATANES.....	0	-	0	-	35	232.8	0	-
CABAYAN.....	0	-	0	-	56	6.7	0	-
IFUGAO.....	0	-	0	-	15	11.4	0	-
ISABELA.....	0	-	0	-	80	7.5	1	0.1
KALINGA-APAYAO....	0	-	0	-	155	68.1	0	-
NEUVA VIZCAYA.....	0	-	0	-	75	24.9	0	-
QUIRINO.....	4	3.7	1	0.9	89	81.9	0	-
REGION 3	21	0.4	2	0.03	842	14.6	0	-
BATAAN.....	3	0.7	1	0.2	136	32.4	0	-
BULACAN.....	4	0.3	1	0.1	207	15.7	0	-
NUEVA ECIJA.....	8	0.8	0	-	52	5.0	0	-
PAMPANGA.....	0	-	0	-	246	21.0	0	-
TARLAC.....	0	-	0	-	65	8.2	0	-
ZAMBALES.....	0	-	0	-	33	9.5	0	-
ANGELES CITY.....	3	1.2	0	-	91	37.7	0	-
CABANATUAN CITY....	3	1.8	0	-	0	-	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

91

AREA	ACUTE POLIOMYELITIS (045-138)				VARICELLA (052)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	0	-	0	-	12	6.3	0	-
PALAYAN CITY.....	0	-	0	-	0	-	0	-
SAN JOSE CITY.....	0	-	0	-	0	-	0	-
REGION 4	46	0.6	10	0.1	556	7.3	3	0.04
AURORA.....	0	-	0	-	14	10.7	0	-
BATANGAS.....	0	-	0	-	97	9.2	0	-
CAVITE.....	10	1.1	1	0.1	77	8.8	0	-
LAGUNA.....	0	-	0	-	23	2.1	0	-
MARINUQUE.....	4	1.9	1	0.5	15	7.2	0	-
MINDORO OCC.....	1	0.4	0	-	16	5.9	0	-
MINDORO OR.....	9	1.6	2	0.4	81	14.3	0	-
PALAWAN.....	0	-	0	-	48	12.1	0	-
QUEZON.....	5	0.4	1	0.1	29	2.3	0	-
RIZAL.....	0	-	0	-	87	12.0	1	0.1
ROMBLON.....	0	-	0	-	8	3.5	0	-
BATANGAS CITY.....	6	3.5	1	0.6	3	1.7	1	0.6
CAVITE CITY.....	7	7.1	2	2.0	22	22.3	0	-
LIPA CITY.....	0	-	0	-	1	0.7	0	-
LUCENA CITY.....	4	2.9	2	1.4	0	-	0	-
PUERTO PRINCESA...	0	-	0	-	4	5.0	1	1.2
SAN PABLO CITY....	0	-	0	-	31	20.4	0	-
TAGAYTAY CITY....	0	-	0	-	0	-	0	-
TRECE MARTIRES....	0	-	0	-	0	-	0	-
REGION 5	48	11.4	2	0.05	445	10.6	1	0.02
ALBAY.....	4	0.5	0	-	71	8.5	0	-
CAMARINES NORTE...	2	0.5	0	-	13	3.4	0	-
CAMARINES SUR.....	2	0.2	1	0.1	152	13.2	1	0.1
CATANDUANES.....	5	2.4	0	-	11	5.4	0	-
MASBATE.....	0	-	0	-	28	4.0	0	-
SORSOGON.....	35	5.7	1	0.2	160	25.9	0	-
IRIGA CITY.....	0	-	0	-	0	-	0	-
LEGASPI CITY.....	0	-	0	-	7	5.2	0	-
NAGA CITY.....	0	-	0	-	3	3.0	0	-
REGION 6	16	0.3	5	0.1	232	4.2	1	0.02
AKLAN.....	0	-	0	-	0	-	0	-
ANTIQUE.....	2	0.5	1	0.2	59	13.8	0	-
CAPIZ.....	2	0.4	1	0.2	18	3.6	0	-
ILQILO.....	3	0.2	2	0.1	0	-	0	-
NEGROS OCC.....	4	0.3	0	-	71	4.7	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

AREA	ACUTE POLIOMYELITIS (045-198)				VARICELLA (052)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	3	1.0	1	0.3	4	1.3	1	0.3
BAGO CITY.....	0	-	0	-	0	-	0	-
CADIZ CITY.....	0	-	0	-	0	-	0	-
ILOILO CITY.....	2	0.7	0	-	49	17.5	0	-
LA CARLOTA CITY...	0	-	0	-	0	-	0	-
LOKAS CITY.....	0	-	0	-	2	2.0	0	-
SAN CARLOS CITY...	0	-	0	-	19	19.5	0	-
SILAY CITY.....	0	-	0	-	10	7.7	0	-
REGION 7	25	0.6	2	0.05	97	2.2	1	0.02
BOHOL.....	1	0.1	0	-	29	3.4	1	0.1
CEBU.....	4	0.3	1	0.1	38	2.7	0	-
NEGROS OR.....	2	0.3	0	-	16	2.0	0	-
SIGUIJOR.....	0	-	0	-	0	-	0	-
BAIS CITY.....	0	-	0	-	0	-	0	-
CANLON CITY.....	0	-	0	-	0	-	0	-
CEBU CITY.....	3	0.5	1	0.2	0	-	0	-
DANAO CITY.....	0	-	0	-	0	-	0	-
DUMAGUETE CITY...	0	-	0	-	1	1.3	0	-
LAPU-LAPU CITY....	0	-	0	-	6	4.8	0	-
MANDAWA CITY.....	0	-	0	-	5	3.0	0	-
TAGBILARAN CITY...	15	31.1	0	-	2	4.1	0	-
TOLEDO CITY.....	0	-	0	-	0	-	0	-
REGION 8	8	0.2	3	0.1	117	3.6	0	-
ILEYTE DEL NORTE...	4	0.3	2	0.2	70	5.7	0	-
ILEYTE DEL SUR.....	0	-	0	-	16	4.4	0	-
EASTERN SAMAR.....	0	-	0	-	15	3.9	0	-
NORTHERN SAMAR.....	0	-	0	-	8	1.7	0	-
WESTERN SAMAR.....	0	-	0	-	1	0.2	0	-
CALBAYOG CITY.....	3	2.5	1	0.8	2	1.7	0	-
ORMOC CITY.....	1	0.8	0	-	5	3.9	0	-
TACLOBAN CITY.....	0	-	0	-	0	-	0	-
REGION 9	1	0.03	1	0.03	349	11.6	1	0.03
BASILAN.....	0	-	0	-	5	2.1	0	-
SULU.....	0	-	0	-	29	6.9	0	-
TAWI-TAWI.....	0	-	0	-	0	-	0	-
ZAMB. DEL NORTE...	0	-	0	-	45	8.2	0	-
ZAMB. DEL SUR.....	0	-	0	-	186	20.3	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

93

AREA	ACUTE POLIOMYELITIS (045-138)				VARICELLA (052)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAVITAN CITY.....	0	-	0	-	3	4.8	0	-
DIPOLOG CITY.....	0	-	0	-	12	15.9	0	-
PAGADIAN CITY.....	0	-	0	-	16	16.4	0	-
ZAMBOANGA CITY.....	1	0.2	1	0.2	59	13.0	1	0.2
REGION 10	4	0.1	2	0.1	447	12.9	1	0.03
AGUSAN DEL NORTE..	0	-	0	-	59	24.2	0	-
AGUSAN DEL SUR....	0	-	0	-	18	5.2	0	-
BUKIDNON.....	9	1.1	1	0.1	84	10.7	0	-
CAMIGUIN.....	0	-	0	-	9	13.7	0	-
MISAMIS OCC.....	0	-	0	-	15	5.7	0	-
MISAMIS OR.....	0	-	0	-	87	18.5	0	-
SURIGAO DEL NORTE..	3	0.8	1	0.3	24	6.6	0	-
BUTUAN CITY.....	1	0.5	0	-	29	13.5	0	-
CAGAYAN DE ORO....	0	-	0	-	55	16.7	1	0.3
GINGOOD CITY.....	0	-	0	-	0	-	0	-
OROQUIETA CITY....	0	-	0	-	3	5.3	0	-
IOZAMIS CITY.....	0	-	0	-	64	69.5	0	-
SURIGAO CITY.....	0	-	0	-	0	-	0	-
TANGUB CITY.....	0	-	0	-	0	-	0	-
REGION 11	11	0.3	1	0.02	354	8.3	1	0.02
COTABATO SOUTH....	8	1.1	0	-	85	11.2	0	-
DAVAO DEL NORTE....	0	-	0	-	8	0.8	0	-
DAVAO ORIENTAL....	0	-	0	-	34	8.1	0	-
DAVAO DEL SUR.....	0	-	0	-	66	10.3	0	-
SURIGAO DEL SUR....	2	0.4	1	0.2	76	15.5	0	-
DAVAO CITY.....	1	0.1	0	-	79	9.7	1	0.1
GEN. SANTOS CITY..	0	-	0	-	6	2.7	0	-
REGION 12	13	0.5	2	0.1	584	20.8	0	-
COTABATO NORTH....	4	0.6	2	0.3	47	6.7	0	-
LANAO DEL NORTE....	6	1.6	0	-	35	9.2	0	-
LANAO DEL SUR.....	0	-	0	-	215	51.1	0	-
IMAGUINDANAO.....	3	0.5	0	-	165	30.3	0	-
SULTAN KUDARAT....	0	-	0	-	80	20.0	0	-
COTABATO CITY.....	0	-	0	-	0	-	0	-
ILIGAN CITY.....	0	-	0	-	2	1.0	0	-
IMPRAWI CITY.....	0	-	0	-	40	66.1	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	MEASLES (055)				H - FEVER (061-065)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	70801	120.6	7775	13.2	2821	4.8	300	0.5
INAT. CAP. REGION..	8999	120.1	1113	14.9	452	6.0	64	0.9
1ST DIST. MANILA..	3314	178.1	198	10.6	293	12.5	27	1.5
2ND DIST. MUN.....	497	47.5	180	17.2	24	2.3	3	0.3
QUEZON CITY.....	2901	196.5	164	11.1	112	7.6	13	0.9
3RD DIST. MUN.....	523	71.9	203	27.9	26	3.6	5	0.7
CALOOCAN CITY....	344	59.7	106	18.4	19	3.3	4	0.7
4TH DIST. MUN.....	968	66.5	209	14.4	17	1.2	7	0.5
PASAY CITY.....	452	128.9	53	15.1	21	6.0	5	1.4
REGION 1	4634	110.5	469	11.2	183	4.4	10	0.2
ABRA.....	591	271.5	16	7.4	0	-	0	-
BENGUET.....	574	200.2	13	4.5	0	-	0	-
ILOCOS NORTE.....	781	199.6	15	3.8	11	2.8	2	0.5
ILOCOS SUR.....	477	89.8	32	6.0	3	0.6	1	0.2
ILA UNION.....	591	105.3	55	9.8	14	2.5	2	0.4
MT. PROVINCE.....	152	129.4	7	6.0	4	3.4	1	0.9
PANGASINAN.....	919	56.1	222	13.6	10	0.6	2	0.1
BAGUIO CITY.....	284	191.2	7	4.7	0	-	0	-
DAGUPAN CITY.....	204	184.6	64	57.9	138	124.9	1	0.9
LAOAG CITY.....	11	14.6	3	4.0	3	4.0	1	1.3
SAN CARLOS CITY...	50	43.3	35	30.3	0	-	0	-
REGION 2	2792	104.3	455	17.0	15	0.6	5	0.2
BATANES.....	15	99.8	0	-	3	20.0	1	6.7
CABAYAN.....	622	74.7	30	10.8	6	0.7	0	-
IFUGAO.....	310	236.1	20	15.2	0	-	0	-
ISABELA.....	875	82.6	288	27.2	6	0.6	4	0.4
KALINGA-APAYAO...	365	160.3	13	5.7	0	-	0	-
NEUA VIZCAYA.....	310	103.0	27	9.0	0	-	0	-
QUIRINO.....	295	271.3	17	15.6	0	-	0	-
REGION 3	6180	107.0	592	10.2	648	11.2	27	0.5
BATAAN.....	646	154.0	35	8.3	21	5.0	1	0.2
BULACAN.....	1988	151.0	175	13.3	93	7.1	6	0.5
NUOVA ECIJA.....	351	39.9	41	4.0	6	0.6	1	0.1
PAMPANGA.....	1053	89.8	114	9.7	187	15.9	13	1.1
TARLAC.....	1014	128.3	122	15.4	55	7.0	3	0.4
ZAMBALES.....	576	165.4	47	13.5	27	7.8	1	0.3
ANGELES CITY.....	253	104.7	12	5.0	202	83.6	2	0.8
CABANATUAN CITY...	67	39.5	9	5.3	0	-	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

95

A R E A	MEASLES (055)				H - FEVER (061-065)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	209	110.0	31	16.3	57	30.0	0	-
PALAYAN CITY.....	0	-	0	-	0	-	0	-
SAN JOSE CITY.....	23	31.2	6	8.1	0	-	0	-
REGION 4	5405	70.9	1081	14.2	168	2.2	52	0.7
AURORA.....	352	269.4	52	39.8	0	-	0	-
BATANGAS.....	988	93.5	43	4.1	24	2.3	8	0.8
CAVITE.....	524	60.0	79	8.4	36	4.1	2	0.2
LAGUNA.....	364	33.6	149	13.7	34	3.1	3	0.3
MARINQUE.....	400	192.6	36	17.3	7	3.4	1	0.5
MINDORO OCC.....	408	149.4	46	16.8	4	1.5	3	1.1
MINDORO OR.....	330	58.2	54	9.5	2	0.4	1	0.2
PALAWAN.....	587	147.7	57	14.3	0	-	0	-
QUEZON.....	453	35.8	258	20.4	5	0.4	3	0.2
RIZAL.....	351	48.5	150	20.7	9	1.2	7	1.0
ROMBLON.....	296	130.9	33	14.6	8	3.5	1	0.4
BATANGAS CITY.....	19	11.0	11	6.4	9	5.2	7	4.1
CAVITE CITY.....	86	87.2	9	9.1	12	12.2	8	8.1
LIPA CITY.....	29	20.0	8	5.5	9	6.2	6	4.1
LUCENA CITY.....	110	78.8	51	36.5	2	1.4	1	0.7
PUERTO PRINCESA...	28	34.8	11	13.7	0	-	0	-
SAN PABLO CITY.....	41	26.9	18	11.8	4	2.6	1	0.7
TAGAYTAY CITY.....	9	42.1	1	4.7	0	-	0	-
TRECE MARTIRES.....	30	127.6	21	193.6	3	27.7	0	-
REGION 5	5359	127.6	716	17.0	121	2.9	10	0.2
ALBAY.....	465	55.4	42	5.0	36	4.3	1	0.1
CAMARINES NORTE...	488	127.1	140	36.5	3	0.9	1	0.3
CAMARINES SUR.....	2503	217.4	298	25.9	7	0.6	1	0.1
CATANDUANES.....	309	151.0	24	11.7	5	2.4	2	1.0
MASBATE.....	1114	159.0	35	5.0	32	4.6	2	0.3
SORSOGON.....	312	50.6	91	14.8	21	3.4	0	-
IRIGA CITY.....	58	80.4	14	19.4	0	-	0	-
LEGASPI CITY.....	20	15.0	12	9.0	11	8.2	2	1.5
NAGA CITY.....	90	90.0	60	60.0	6	6.0	1	1.0
REGION 6	4570	82.8	516	9.4	73	1.3	18	0.3
AKLAN.....	580	143.3	17	4.2	7	1.7	1	0.2
ANTIQUE.....	1077	251.8	62	14.5	18	4.2	0	-
CAPIZ.....	216	42.9	29	5.8	4	0.8	1	0.2
ILOILO.....	1218	84.8	102	7.1	0	-	0	-
INEBROS OCC.....	1048	70.0	155	10.3	5	0.3	3	0.2

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	MEASLES (055)				H - FEVER (061-065)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BAKOLOD CITY.....	160	51.3	60	19.2	11	3.5	6	1.9
BAGO CITY.....	24	19.1	18	14.3	0	-	0	-
CADIZ CITY.....	15	10.3	1	0.7	0	-	0	-
ILOILO CITY.....	62	22.1	13	4.6	20	7.1	3	1.1
LA CARLOTA CITY...	12	20.9	0	-	3	5.2	1	1.7
ROXAS CITY.....	30	30.2	23	29.2	5	5.0	3	9.0
SAN CARLOS CITY...	85	87.4	26	26.7	0	-	0	-
SILAY CITY.....	43	33.0	10	7.7	0	-	0	-
REGION 7	4250	96.2	569	12.9	424	9.6	37	0.8
BOHOL.....	330	39.4	57	6.6	16	1.9	5	0.6
CEBU.....	831	59.6	124	8.9	76	5.4	7	0.5
NEGROS OR.....	1923	240.9	46	5.8	86	10.8	4	0.5
SIGUIJOR.....	14	17.5	6	7.5	4	5.0	0	-
BAIS CITY.....	18	32.5	0	-	0	-	0	-
CANLADON CITY.....	15	49.6	12	39.7	0	-	0	-
CEBU CITY.....	685	112.7	192	31.6	175	28.8	10	1.6
DANAO CITY.....	122	184.5	3	4.5	7	10.6	2	9.0
DUMAGUETE CITY....	47	60.9	27	35.0	5	6.5	4	5.2
LAPU-LAPU CITY....	130	104.8	9	7.3	0	-	0	-
MANDAWE CITY.....	79	47.5	68	40.9	0	-	0	-
TAGBILARAN CITY....	14	29.0	3	6.2	11	22.8	3	6.2
TOLEDO CITY.....	42	37.6	22	19.7	44	39.4	2	1.8
REGION 8	4721	145.3	516	15.9	29	0.9	11	0.3
LEYTE DEL NORTE...	2002	161.7	276	22.3	7	0.6	4	0.3
LEYTE DEL SUR.....	299	66.4	25	6.9	5	1.4	1	0.3
EASTERN SAMAR.....	526	137.5	17	4.4	0	-	0	-
NORTHERN SAMAR....	399	85.4	50	10.7	3	0.6	2	0.4
WESTERN SAMAR.....	1090	257.9	25	5.9	5	1.2	3	0.7
CALBAYOG CITY.....	85	70.2	29	24.0	0	-	0	-
ORMOC CITY.....	190	149.3	5	3.9	9	7.1	1	0.8
TACLOBAN CITY.....	190	144.1	89	67.5	0	-	0	-
REGION 9	7792	259.6	334	11.1	25	0.8	8	0.3
BASILAN.....	186	76.8	22	9.1	0	-	0	-
SULU.....	685	162.2	14	3.3	0	-	0	-
TAWI-TAWI.....	4	1.8	2	0.9	3	1.3	1	0.4
ZAMB. DEL NORTE...	4345	787.1	40	7.2	3	0.5	1	0.2
ZAMB. DEL SUR.....	1766	193.2	104	11.4	5	0.5	3	0.3

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

97

A R E A	MEASLES (055)				H - FEVER (061-065)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	106	168.0	15	23.8	4	6.3	1	1.6
DIPOLOG CITY.....	25	33.2	16	21.2	3	4.0	1	1.3
PAGADIAN CITY.....	61	62.7	48	49.3	2	2.1	1	1.0
ZAMBOANGA CITY.....	614	151.0	73	18.0	5	1.2	0	-
REGION 10	6496	187.1	573	16.5	101	2.9	14	0.4
AGUSAN DEL NORTE..	422	173.4	35	14.4	3	1.2	1	0.4
AGUSAN DEL SUR....	483	139.7	45	13.0	4	1.2	2	0.6
BUKIDNON.....	1225	156.2	53	6.8	5	0.6	3	0.4
CAMIGUIN.....	16	24.3	0	-	0	-	0	-
MISAMIS OCC.....	317	120.3	35	13.3	5	1.9	0	-
MISAMIS OR.....	1038	220.8	112	23.8	2	0.4	1	0.2
SURIGAO DEL NORTE..	584	159.7	14	3.8	4	1.1	1	0.3
BUTUAN CITY.....	404	187.8	77	35.8	5	2.3	2	0.9
CAGAYAN DE ORO....	1010	307.2	81	24.6	53	16.1	1	0.3
GINGOOG CITY.....	236	240.0	21	21.3	1	1.0	0	-
OROGUETA CITY....	58	101.7	3	5.3	15	26.3	2	3.5
OZAMIS CITY.....	639	693.8	62	67.3	3	3.3	1	1.1
SURIGAO CITY.....	29	23.8	7	7.2	1	1.0	0	-
TAGUB CITY.....	35	78.1	28	62.5	0	-	0	-
REGION 11	5716	133.4	548	12.8	262	6.1	34	0.8
COTABATO SOUTH....	711	93.6	118	15.5	10	1.3	7	0.9
DAVAO DEL NORTE....	857	90.7	88	9.3	7	0.7	1	0.1
DAVAO ORIENTAL....	1042	247.4	25	5.9	11	2.6	2	0.5
DAVAO DEL SUR.....	1315	206.0	28	4.4	118	18.5	4	0.6
SURIGAO DEL SUR....	722	147.2	114	23.2	9	1.8	4	0.8
DAVAO CITY.....	820	101.1	114	14.1	94	11.6	11	1.4
GEN. SANTOS CITY..	249	113.2	61	27.7	13	5.9	5	2.3
REGION 12	3887	138.4	293	10.4	320	11.4	10	0.4
COTABATO NORTH....	1271	180.1	42	6.0	62	8.8	1	0.1
LANAO DEL NORTE....	698	183.5	53	13.9	2	0.5	0	-
LANAO DEL SUR.....	532	126.5	1	0.2	0	-	0	-
MAGUINDANAO.....	575	105.6	1	0.2	24	4.4	0	-
SULTAN KUDARAT....	241	60.2	27	6.7	4	1.0	2	0.5
COTABATO CITY.....	225	220.2	23	22.5	88	86.1	3	2.9
ILIGAN CITY.....	309	159.0	133	68.5	139	71.5	4	2.1
IMARAWI CITY.....	36	59.5	13	21.5	1	1.7	0	-



TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

A R E A	INFECTIOUS HEPATITIS (070)				MALARIA (084)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	16125	27.5	925	1.4	114679	195.3	1176	2.0
NAT. CAP. REGION..	1468	19.6	118	1.6	174	2.3	40	0.5
1ST DIST. MANILA...	422	22.7	49	2.3	89	4.8	20	1.1
2ND DIST. MUN.....	101	9.7	13	1.2	14	1.3	9	0.9
QUEZON CITY.....	361	24.4	37	2.5	51	3.5	9	0.6
3RD DIST. MUN.....	87	12.0	6	0.8	0	-	0	-
CALOOCAN CITY...	127	22.0	6	1.0	11	1.9	1	0.2
4TH DIST. MUN.....	241	16.6	12	0.8	3	0.2	0	-
PASAY CITY.....	129	36.8	1	0.3	6	1.7	1	0.3
REGION 1	1428	34.1	66	1.6	1878	44.8	21	0.5
ABRA.....	31	14.2	4	1.8	58	26.6	2	0.9
BENGUET.....	137	47.8	3	1.0	98	34.2	3	1.0
ILOCOS NORTE.....	201	51.4	3	0.8	242	61.8	3	0.8
ILOCOS SUR.....	173	32.6	10	1.9	74	13.9	0	-
LA UNION.....	318	56.7	10	1.8	21	3.7	0	-
MT. PROVINCE.....	44	37.5	0	-	1050	894.1	2	1.7
PANGASINAN.....	255	15.6	18	1.1	277	16.9	8	0.5
BAGUIO CITY.....	233	156.8	9	6.1	42	28.3	2	1.3
DAGUPAN CITY.....	34	30.8	8	7.2	11	10.0	0	-
LAOAG CITY.....	2	2.6	1	1.3	5	6.6	1	1.3
SAN CARLOS CITY...	0	-	0	-	0	-	0	-
REGION 2	676	25.3	52	1.9	34037	1272.0	320	12.0
BATANES.....	121	804.7	0	-	158	1050.8	3	20.0
CABAYAN.....	305	36.6	15	1.8	8282	994.7	85	10.2
IFUGAO.....	19	14.5	3	2.3	993	756.3	15	11.4
ISABELA.....	75	7.1	19	1.8	10842	1023.1	144	13.6
KALINGA-APAYAO...	85	37.3	5	2.2	5057	2221.1	27	11.9
NEUVA VIZCAYA.....	26	8.6	9	3.0	3814	1267.7	22	7.3
QUIRINO.....	45	41.4	1	0.9	4891	4498.8	24	22.1
REGION 3	1492	25.8	78	1.4	6850	118.6	59	1.0
BATAAN.....	179	42.7	4	1.0	1926	459.1	2	0.5
BULACAN.....	291	22.1	25	1.9	980	74.4	12	0.9
NUEVA ECIJA.....	134	13.0	11	1.1	1552	150.1	8	0.8
PAMPANGA.....	165	14.1	7	0.6	76	6.5	2	0.2
TARLAC.....	163	20.6	10	1.3	47	5.9	4	0.5
ZAMBALES.....	136	39.1	7	2.0	1408	404.4	15	4.3
ANGELES CITY.....	214	88.6	3	1.2	0	-	0	-
CABANATUAN CITY...	15	8.8	1	0.6	4	2.4	3	1.8

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

99

A R E A	INFECTIOUS HEPATITIS (070)				MALARIA (084)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	137	72.1	9	4.7	636	334.6	12	6.3
PALAYAN CITY.....	3	14.8	1	4.9	156	768.8	0	-
SAN JOSE CITY.....	55	74.7	0	-	65	98.2	1	1.4
REGION 4	2119	27.8	105	1.4	20172	264.5	241	9.1
AURORA.....	33	25.3	5	3.8	872	667.4	12	9.2
BATANGAS.....	293	27.7	6	0.6	47	4.4	0	-
CAVITE.....	191	21.9	2	0.2	50	5.7	1	0.1
LAGUNA.....	81	7.5	9	0.8	302	27.9	14	1.3
MARINDUQUE.....	124	59.7	10	4.8	71	34.2	3	1.4
MINDORO OCC.....	144	52.7	6	2.2	2577	943.4	22	8.1
MINDORO OR.....	216	38.1	11	1.9	995	175.3	4	0.7
PALAWAN.....	373	93.8	4	1.0	10149	2553.0	119	21.9
QUEZON.....	164	13.0	22	1.7	2753	217.4	28	2.2
RIZAL.....	70	9.7	10	1.4	207	28.6	11	1.5
ROMBLON.....	167	73.8	7	3.1	8	3.5	1	0.4
BATANGAS CITY.....	11	6.4	2	1.7	4	2.3	1	0.6
CAVITE CITY.....	11	11.1	3	3.0	0	-	0	-
LIPA CITY.....	29	20.0	0	-	0	-	0	-
LUCENA CITY.....	8	5.7	2	1.4	14	10.0	9	6.4
PUERTO PRINCESA.....	158	196.2	1	1.2	2114	2625.2	13	16.1
SAN PABLO CITY.....	40	26.3	3	2.0	4	2.6	0	-
TAGAYTAY CITY.....	2	9.4	0	-	0	-	0	-
TRECE MARTIRES.....	4	36.8	2	18.4	5	46.1	3	27.6
REGION 5	868	20.6	42	1.0	3263	77.7	13	0.3
ALBAY.....	151	18.0	4	0.5	9	1.1	1	0.1
CAMARINES NORTE.....	130	33.9	10	2.6	1969	512.8	8	2.1
CAMARINES SUR.....	177	15.4	7	0.6	1260	109.4	3	0.3
CATANDUANES.....	93	45.4	6	2.9	0	-	0	-
MASBATE.....	230	32.8	6	0.8	3	0.4	0	-
SORSOGON.....	79	12.8	5	0.8	19	3.1	0	-
IRIGA CITY.....	0	-	0	-	0	-	0	-
LEGASPI CITY.....	4	3.0	3	2.2	3	2.2	1	0.7
NAGA CITY.....	4	4.0	1	1.0	0	-	0	-
REGION 6	1588	28.8	83	1.5	24	0.4	3	0.1
AKLAN.....	249	61.5	5	1.2	0	-	0	-
ANTIQUE.....	204	47.7	11	2.6	12	2.8	0	-
CAPIZ.....	91	18.1	1	0.2	0	-	0	-
ILOILO.....	310	21.6	13	0.9	0	-	0	-
NEGROS OCC.....	391	26.1	17	1.1	10	0.7	2	0.1

100  
TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	INFECTIOUS HEPATITIS (070)				MALARIA (084)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	31	9.9	12	3.8	0	-	0	-
BAGO CITY.....	4	3.2	2	1.6	0	-	0	-
CADIZ CITY.....	0	-	0	-	0	-	0	-
ILOILO CITY.....	223	79.5	11	3.9	0	-	0	-
LA CARLOTA CITY...	39	67.8	0	-	0	-	0	-
LOKAS CITY.....	25	25.2	7	7.0	2	2.0	1	1.0
SAN CARLOS CITY...	6	6.2	3	3.1	0	-	0	-
SILAY CITY.....	15	11.5	1	0.8	0	-	0	-
REGION 7	579	13.1	54	1.2	215	4.9	5	0.1
BOHOL.....	97	11.3	6	0.7	6	0.7	1	0.1
CEBU.....	107	7.7	7	0.5	2	0.1	1	0.1
NEGROS OR.....	169	21.2	3	0.4	195	24.4	2	0.3
SIQUIJOR.....	49	61.3	4	5.0	2	2.5	0	-
BAIS CITY.....	3	5.4	1	1.8	0	-	0	-
CANLON CITY.....	7	23.1	3	9.9	0	-	0	-
CEBU CITY.....	96	14.1	19	3.1	0	-	0	-
DANAO CITY.....	18	27.2	0	-	7	10.3	0	-
DUMAGUETE CITY...	19	24.6	8	10.4	3	3.9	1	1.3
LAPU-LAPU CITY...	0	-	0	-	0	-	0	-
MANDAWA CITY.....	0	-	0	-	0	-	0	-
TAGBILARAN CITY...	6	12.4	3	6.2	0	-	0	-
TOLEDO CITY.....	18	16.1	0	-	0	-	0	-
REGION 8	724	22.3	42	1.3	521	16.0	9	0.3
LEYTE DEL NORTE...	348	28.1	17	1.4	7	0.6	2	0.2
LEYTE DEL SUR.....	129	35.9	10	2.8	11	3.1	0	-
EASTERN SAMAR.....	48	12.5	0	-	452	118.1	4	1.0
NORTHERN SAMAR.....	130	27.8	9	1.9	7	1.5	0	-
WESTERN SAMAR.....	33	7.8	4	0.9	44	10.4	3	0.7
CALBAYOG CITY.....	14	11.6	1	0.8	0	-	0	-
ORMOC CITY.....	17	19.4	0	-	0	-	0	-
TACLOBAN CITY.....	5	3.8	1	0.8	0	-	0	-
REGION 9	778	25.9	38	1.3	19294	642.9	106	3.5
BAKILAN.....	5	2.1	3	1.2	98	40.5	11	4.5
SULU.....	27	6.4	0	-	7879	1865.9	26	6.2
TAWI-TAWI.....	3	1.9	0	-	1884	826.1	10	4.4
ZAMB. DEL NORTE...	285	51.6	2	0.4	3995	723.7	26	4.7
ZAMB. DEL SUR.....	291	31.8	14	1.5	4047	442.7	10	1.1

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

101

A R E A	INFECTIOUS HEPATITIS (070)				MALARIA (084)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	42	66.6	1	1.6	154	244.4	7	11.1
DIPOLOG CITY.....	17	22.6	1	1.3	46	61.0	3	4.0
PAGADIAN CITY.....	8	8.2	6	6.2	12	12.3	0	-
ZAMBOANGA CITY....	100	24.6	11	2.7	1179	290.0	13	3.2
REGION 10	1728	49.8	53	1.5	12567	361.9	157	4.5
AGUSAN DEL NORTE..	190	78.1	3	1.2	4852	1993.5	20	8.2
AGUSAN DEL SUR....	65	18.8	5	1.4	1067	308.6	15	4.3
BUKIDNON.....	353	45.3	7	0.9	1298	165.5	12	1.5
CAMIGUIN.....	7	10.6	1	1.5	2	3.0	0	-
MISAMIS OCC.....	82	31.1	3	1.1	247	93.7	3	1.1
MISAMIS OR.....	173	36.8	7	1.5	502	106.8	8	1.7
SURIGAO DEL NORTE..	139	38.0	2	0.5	328	89.7	5	1.4
BUTUAN CITY.....	116	53.9	8	3.7	458	213.0	22	10.2
CAGAYAN DE ORD....	276	83.9	7	2.1	363	110.4	6	1.8
GINOOG CITY.....	108	109.6	3	3.0	3385	3436.2	61	61.9
OROQUIETA CITY....	11	19.3	2	3.5	5	8.8	3	5.9
OZAMIS CITY.....	201	218.2	3	3.3	5	5.4	1	1.1
SURIGAO CITY.....	5	5.1	2	2.1	55	56.7	1	1.0
TANGUB CITY.....	0	-	0	-	0	-	0	-
REGION 11	1571	36.7	61	1.4	12809	298.9	146	3.4
COTABATO SOUTH....	277	36.5	14	1.8	859	113.1	5	0.7
DAVAO DEL NORTE...	219	29.2	2	0.2	4623	489.3	38	4.0
DAVAO ORIENTAL....	256	60.8	7	1.7	2221	527.4	11	2.6
DAVAO DEL SUR.....	186	29.1	2	0.3	963	150.9	4	0.6
SURIGAO DEL SUR....	393	80.1	7	1.4	3969	809.3	50	10.2
DAVAO CITY.....	185	22.8	26	3.2	163	20.1	33	4.1
GEN. SANTOS CITY..	55	25.0	3	1.4	11	5.0	5	2.3
REGION 12	1106	39.4	33	1.2	2875	102.4	56	2.0
COTABATO NORTH....	241	34.1	6	0.9	794	112.5	5	0.7
LANAO DEL NORTE...	195	51.3	3	0.8	809	212.7	4	1.1
LANAO DEL SUR.....	241	57.3	0	-	118	28.1	0	-
MAGUINDANAO.....	103	18.9	0	-	513	94.2	1	0.2
SULTAN KUDARAT....	263	65.7	10	2.5	507	126.7	7	1.7
COTABATO CITY.....	28	27.4	4	3.9	74	72.4	11	10.8
ILIGAN CITY.....	32	16.5	10	5.1	60	30.9	28	14.4
MARAWI CITY.....	3	5.0	0	-	0	-	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	99	0.2	9	0.02	8342	14.2	0	-
NAT. CAP. REGION..	6	0.1	1	0.01	1055	14.1	0	-
1ST DIST. MANILA..	0	-	0	-	701	37.7	0	-
2ND DIST. MUN.....	0	-	0	-	19	1.8	0	-
QUEZON CITY.....	6	0.4	1	0.1	143	9.7	0	-
3RD DIST. MUN.....	0	-	0	-	18	2.5	0	-
CALOOCAN CITY....	0	-	0	-	0	-	0	-
4TH DIST. MUN.....	0	-	0	-	51	3.5	0	-
PASAY CITY.....	0	-	0	-	123	35.1	0	-
REGION 1	17	0.4	1	0.02	136	3.2	0	-
ABRA.....	0	-	0	-	0	-	0	-
BENGUET.....	0	-	0	-	0	-	0	-
ILOCOS NORTE.....	0	-	0	-	2	0.5	0	-
ILOCOS SUR.....	0	-	0	-	5	0.9	0	-
LA UNION.....	4	0.7	0	-	23	4.1	0	-
MT. PROVINCE.....	0	-	0	-	0	-	0	-
PANGASINAN.....	1	0.1	0	-	28	1.7	0	-
BAGUIO CITY.....	8	5.4	0	-	78	52.5	0	-
DAGUPAN CITY.....	4	3.6	1	0.9	0	-	0	-
LAOAG CITY.....	0	-	0	-	0	-	0	-
SAN CARLOS CITY...	0	-	0	-	0	-	0	-
REGION 2	2	0.1	1	0.04	345	12.9	0	-
BATANES.....	0	-	0	-	0	-	0	-
CAGAYAN.....	0	-	0	-	69	8.3	0	-
IFUGAO.....	0	-	0	-	0	-	0	-
ISABELA.....	2	0.2	1	0.1	86	8.1	0	-
KALINGA-APAYAO...	0	-	0	-	0	-	0	-
NEIVA VIZCAYA.....	0	-	0	-	185	61.5	0	-
QUIRINO.....	0	-	0	-	5	4.6	0	-
REGION 3	44	0.8	1	0.02	4365	75.6	0	-
BATAAN.....	0	-	0	-	0	-	0	-
BULACAN.....	0	-	0	-	1	0.1	0	-
NUEVA ECIJA.....	7	0.7	1	0.1	53	5.1	0	-
PAMPANGA.....	2	0.2	0	-	89	7.6	0	-
TARLAC.....	35	4.4	0	-	4	0.5	0	-
ZAMBALES.....	0	-	0	-	515	147.9	0	-
ANGELES CITY.....	0	-	0	-	644	266.6	0	-
CABANATUAN CITY...	0	-	0	-	397	233.9	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

109

A R E A	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	0	-	0	-	2662	1400.5	0	-
PALAYAN CITY.....	0	-	0	-	0	-	0	-
SAN JOSE CITY.....	0	-	0	-	0	-	0	-
REGION 4	2	0.03	1	0.01	116	1.5	0	-
AURORA.....	0	-	0	-	4	3.1	0	-
BATANGAS.....	0	-	0	-	11	1.0	0	-
CAVITE.....	0	-	0	-	1	0.1	0	-
LAGUNA.....	0	-	0	-	0	-	0	-
MARINDUQUE.....	0	-	0	-	0	-	0	-
MINDORO OCC.....	0	-	0	-	0	-	0	-
MINDORO OR.....	0	-	0	-	3	0.5	0	-
PALAWAN.....	0	-	0	-	42	10.6	0	-
QUEZON.....	0	-	0	-	9	0.7	0	-
RIZAL.....	0	-	0	-	21	2.9	0	-
ROMBLON.....	0	-	0	-	4	1.8	0	-
BATANGAS CITY.....	0	-	0	-	0	-	0	-
CAVITE CITY.....	0	-	0	-	19	19.2	0	-
LIPA CITY.....	0	-	0	-	0	-	0	-
LUCENA CITY.....	1	0.7	1	0.7	0	-	0	-
PUERTO PRINCESA....	0	-	0	-	8	9.9	0	-
SAN PABLO CITY.....	0	-	0	-	0	-	0	-
TAGAYTAY CITY.....	0	-	0	-	0	-	0	-
TRECE MARTIRES.....	1	9.2	0	-	0	-	0	-
REGION 5	0	-	0	-	74	1.8	0	-
ALBAY.....	0	-	0	-	3	0.4	0	-
CAMARINES NORTE....	0	-	0	-	3	0.8	0	-
CAMARINES SUR.....	0	-	0	-	11	1.0	0	-
CATANDUANES.....	0	-	0	-	0	-	0	-
MASBATE.....	0	-	0	-	42	6.0	0	-
SORSOGON.....	0	-	0	-	15	2.4	0	-
IRIGA CITY.....	0	-	0	-	0	-	0	-
LEGASPI CITY.....	0	-	0	-	0	-	0	-
NAGA CITY.....	0	-	0	-	0	-	0	-
REGION 6	4	0.1	2	0.04	239	4.3	0	-
AKLAN.....	0	-	0	-	0	-	0	-
ANTIQUE.....	0	-	0	-	5	1.2	0	-
CAPIZ.....	0	-	0	-	0	-	0	-
ILOILO.....	0	-	0	-	0	-	0	-
NEGROS OCC.....	0	-	0	-	1	0.1	0	-

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	2	0.6	1	0.9	0	-	0	-
BAGO CITY.....	0	-	0	-	0	-	0	-
CADIZ CITY.....	0	-	0	-	0	-	0	-
ILOILO CITY.....	2	0.7	1	0.4	160	57.0	0	-
LA CARLOTA CITY...	0	-	0	-	0	-	0	-
ROXAS CITY.....	0	-	0	-	73	73.5	0	-
SAN CARLOS CITY...	0	-	0	-	0	-	0	-
SILAY CITY.....	0	-	0	-	0	-	0	-
REGION 7	2	0.05	1	0.02	444	10.0	0	-
BOHOL.....	0	-	0	-	0	-	0	-
CEBU.....	0	-	0	-	11	0.8	0	-
NEGROS OR.....	0	-	0	-	10	1.3	0	-
SIQUIJOR.....	0	-	0	-	0	-	0	-
BAIS CITY.....	0	-	0	-	0	-	0	-
CANLAON CITY.....	0	-	0	-	0	-	0	-
CEBU CITY.....	2	0.3	1	0.2	386	63.5	0	-
DANAO CITY.....	0	-	0	-	15	22.7	0	-
DUMAGUETE CITY...	0	-	0	-	0	-	0	-
LAPU-LAPU CITY...	0	-	0	-	22	17.7	0	-
MANDAWE CITY.....	0	-	0	-	0	-	0	-
TAGBILARAN CITY...	0	-	0	-	0	-	0	-
TOLEDO CITY.....	0	-	0	-	0	-	0	-
REGION 8	0	-	0	-	29	0.9	0	-
LEYTE DEL NORTE...	0	-	0	-	5	0.4	0	-
LEYTE DEL SUR.....	0	-	0	-	10	2.6	0	-
EASTERN SAMAR.....	0	-	0	-	0	-	0	-
NORTHERN SAMAR.....	0	-	0	-	0	-	0	-
WESTERN SAMAR.....	0	-	0	-	13	9.1	0	-
CALBAYOG CITY.....	0	-	0	-	1	0.8	0	-
ORMOC CITY.....	0	-	0	-	0	-	0	-
TACLOBAN CITY.....	0	-	0	-	0	-	0	-
REGION 9	2	0.1	1	0.03	736	24.5	0	-
BASILAN.....	0	-	0	-	0	-	0	-
SULU.....	0	-	0	-	0	-	0	-
TAWI-TAWI.....	0	-	0	-	0	-	0	-
ZAMB. DEL NORTE...	2	0.4	1	0.2	1	0.2	0	-
ZAMB. DEL SUR.....	0	-	0	-	1	0.1	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

105

A R E A	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	0	-	0	-	3	4.8	0	-
DIPOLOS CITY.....	0	-	0	-	62	82.3	0	-
PAGADIAN CITY.....	0	-	0	-	338	347.2	0	-
ZAMBOANGA CITY....	0	-	0	-	331	81.4	0	-
REGION 10	20	0.6	0	-	116	3.3	0	-
AGUSAN DEL NORTE..	18	7.4	0	-	2	0.8	0	-
AGUSAN DEL SUR....	0	-	0	-	0	-	0	-
BUKIDNON.....	0	-	0	-	5	0.6	0	-
CAMIGUIN.....	0	-	0	-	0	-	0	-
MISAMIS OCC.....	0	-	0	-	0	-	0	-
MISAMIS OR.....	0	-	0	-	9	1.9	0	-
SURIGAO DEL NORTE..	0	-	0	-	0	-	0	-
BUTUAN CITY.....	1	0.5	0	-	56	26.0	0	-
CAGAYAN DE ORO....	1	0.3	0	-	14	4.3	0	-
GINGOOG CITY.....	0	-	0	-	0	-	0	-
ORDOQUIETA CITY....	0	-	0	-	0	-	0	-
OZAMIS CITY.....	0	-	0	-	30	32.6	0	-
SURIGAO CITY.....	0	-	0	-	0	-	0	-
TANGUB CITY.....	0	-	0	-	0	-	0	-
REGION 11	0	-	0	-	684	16.0	0	-
COTABATO SOUTH....	0	-	0	-	29	3.8	0	-
DAVAO DEL NORTE....	0	-	0	-	93	9.8	0	-
DAVAO ORIENTAL....	0	-	0	-	3	0.7	0	-
DAVAO DEL SUR.....	0	-	0	-	12	1.9	0	-
SURIGAO DEL SUR....	0	-	0	-	262	53.4	0	-
DAVAO CITY.....	0	-	0	-	227	28.0	0	-
GEN. SANTOS CITY..	0	-	0	-	59	26.4	0	-
REGION 12	0	-	0	-	3	0.1	0	-
COTABATO NORTH....	0	-	0	-	0	-	0	-
LANAO DEL NORTE....	0	-	0	-	0	-	0	-
LANAO DEL SUR.....	0	-	0	-	0	-	0	-
MAGUINDANAO.....	0	-	0	-	1	0.2	0	-
SULTAN KUARAT....	0	-	0	-	2	0.5	0	-
COTABATO CITY.....	0	-	0	-	0	-	0	-
ILIGAN CITY.....	0	-	0	-	0	-	0	-
MARAWI CITY.....	0	-	0	-	0	-	0	-



TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	12273	20.9	301	0.5	290	0.5	0	-
NAT. CAP. REGION..	87	1.2	23	0.3	0	-	0	-
1ST DIST. MANILA..	19	1.0	10	0.5	0	-	0	-
2ND DIST. MUN.....	14	1.3	6	0.6	0	-	0	-
QUEZON CITY.....	17	1.2	1	0.1	0	-	0	-
3RD DIST. MUN.....	16	2.2	1	0.1	0	-	0	-
CALOOCAN CITY....	9	1.6	1	0.2	0	-	0	-
4TH DIST. MUN.....	12	0.8	4	0.3	0	-	0	-
PASAY CITY.....	0	-	0	-	0	-	0	-
REGION 1	12	0.3	0	-	60	1.4	0	-
ABRA.....	0	-	0	-	0	-	0	-
BENGUET.....	0	-	0	-	0	-	0	-
ILOCOS NORTE.....	0	-	0	-	1	0.3	0	-
ILOCOS SUR.....	0	-	0	-	6	1.1	0	-
LA UNION.....	0	-	0	-	0	-	0	-
MT. PROVINCE.....	0	-	0	-	0	-	0	-
PANGASINAN.....	0	-	0	-	0	-	0	-
BAGUIO CITY.....	0	-	0	-	0	-	0	-
DAGUPAN CITY.....	12	10.9	0	-	53	48.0	0	-
LAOAG CITY.....	0	-	0	-	0	-	0	-
SAN CARLOS CITY...	0	-	0	-	0	-	0	-
REGION 2	0	-	0	-	0	-	0	-
BATANES.....	0	-	0	-	0	-	0	-
CAGAYAN.....	0	-	0	-	0	-	0	-
IFUGAO.....	0	-	0	-	0	-	0	-
ISABELA.....	0	-	0	-	0	-	0	-
KALINGA-APAYAO...	0	-	0	-	0	-	0	-
NEIVA VIZCAYA.....	0	-	0	-	0	-	0	-
QUIRINO.....	0	-	0	-	0	-	0	-
REGION 3	2	0.03	1	0.02	51	0.9	0	-
BATAAN.....	0	-	0	-	13	3.1	0	-
BULACAN.....	0	-	0	-	0	-	0	-
NUOVA ECIJA.....	0	-	0	-	3	0.3	0	-
PAMPANGA.....	0	-	0	-	2	0.2	0	-
TARLAC.....	2	0.3	1	0.1	0	-	0	-
ZAMBALES.....	0	-	0	-	0	-	0	-
ANGELES CITY.....	0	-	0	-	33	13.7	0	-
CABANATUAN CITY...	0	-	0	-	0	-	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

107

A R E A	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	0	-	0	-	0	-	0	-
PALAYAN CITY.....	0	-	0	-	0	-	0	-
SAN JOSE CITY.....	0	-	0	-	0	-	0	-
REGION 4	923	12.1	7	0.1	24	0.3	0	-
AURORA.....	0	-	0	-	0	-	0	-
BATANGAS.....	0	-	0	-	0	-	0	-
CAVITE.....	0	-	0	-	0	-	0	-
LAGUNA.....	31	2.9	1	0.1	0	-	0	-
MARINDUQUE.....	0	-	0	-	0	-	0	-
MINDORO OCC.....	3	1.1	1	0.4	0	-	0	-
MINDORO OR.....	891	155.2	3	0.5	19	3.3	0	-
PALAWAN.....	0	-	0	-	0	-	0	-
QUEZON.....	2	0.2	1	0.1	1	0.1	0	-
RIZAL.....	4	0.6	1	0.1	0	-	0	-
ROMBLON.....	0	-	0	-	4	1.8	0	-
BATANGAS CITY.....	2	1.2	0	-	0	-	0	-
CAVITE CITY.....	0	-	0	-	0	-	0	-
LIPA CITY.....	0	-	0	-	0	-	0	-
LUCENA CITY.....	0	-	0	-	0	-	0	-
PUERTO PRINCESA.....	0	-	0	-	0	-	0	-
SAN PABLO CITY.....	0	-	0	-	0	-	0	-
TAGAYTAY CITY.....	0	-	0	-	0	-	0	-
TRECE MARTIRES.....	0	-	0	-	0	-	0	-
REGION 5	376	8.9	3	0.1	31	0.7	0	-
ALBAY.....	3	0.4	1	0.1	0	-	0	-
CAMARINES NORTE.....	0	-	0	-	1	0.3	0	-
CAMARINES SUR.....	0	-	0	-	0	-	0	-
CATANDUANES.....	0	-	0	-	0	-	0	-
MASBATE.....	0	-	0	-	0	-	0	-
SORSOGON.....	373	60.5	2	0.3	30	4.9	0	-
IRIGA CITY.....	0	-	0	-	0	-	0	-
LEGASPI CITY.....	0	-	0	-	0	-	0	-
NAGA CITY.....	0	-	0	-	0	-	0	-
REGION 6	8	0.1	3	0.1	0	-	0	-
AKLAN.....	0	-	0	-	0	-	0	-
ANTIQUE.....	0	-	0	-	0	-	0	-
CAPIZ.....	3	0.6	1	0.2	0	-	0	-
ILOILO.....	0	-	0	-	0	-	0	-
INEGROS OCC.....	2	0.1	1	0.1	0	-	0	-

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	0	-	0	-	0	-	0	-
BAGO CITY.....	0	-	0	-	0	-	0	-
CADIZ CITY.....	0	-	0	-	0	-	0	-
ILOILO CITY.....	3	1.1	1	0.4	0	-	0	-
LA CARLOTA CITY...	0	-	0	-	0	-	0	-
ROMAS CITY.....	0	-	0	-	0	-	0	-
SAN CARLOS CITY...	0	-	0	-	0	-	0	-
SILAY CITY.....	0	-	0	-	0	-	0	-
REGION 7	26	0.6	12	0.3	6	0.1	0	-
BOHOL.....	4	0.5	2	0.2	0	-	0	-
CEBU.....	6	0.4	4	0.3	6	0.4	0	-
NEGROS OR.....	4	0.5	2	0.3	0	-	0	-
SIQUIJOR.....	0	-	0	0.3	0	-	0	-
BAIS CITY.....	0	-	0	-	0	-	0	-
CANLON CITY.....	0	-	0	-	0	-	0	-
CEBU CITY.....	4	0.7	1	0.2	0	-	0	-
DANAO CITY.....	0	-	0	-	0	-	0	-
DUMAGUETE CITY....	3	3.9	1	1.3	0	-	0	-
LAPU-LAPU CITY....	2	1.6	1	0.3	0	-	0	-
MANDAME CITY.....	0	-	0	-	0	-	0	-
TAGBILARAN CITY...	3	6.2	1	2.1	0	-	0	-
TOLEDO CITY.....	0	-	0	-	0	-	0	-
REGION 8	3783	116.4	133	4.1	2	0.1	0	-
ILEYTE DEL NORTE...	2917	235.6	99	8	1	0.1	0	-
ILEYTE DEL SUR.....	4	1.1	1	0.3	0	-	0	-
EASTERN SAMAR.....	357	93.3	5	1.3	0	-	0	-
NORTHERN SAMAR....	304	65.1	18	3.9	0	-	0	-
WESTERN SAMAR.....	185	43.8	0	-	1	0.2	0	-
CALBAYOG CITY.....	5	4.1	3	2.5	0	-	0	-
ORMOC CITY.....	1	0.8	0	5.9	0	-	0	-
TACLOBAN CITY.....	10	7.6	7	0.3	0	-	0	-
REGION 9	1038	34.6	9	0.5	3	0.1	0	-
BRASILAN.....	0	-	0	0.4	0	-	0	-
SULU.....	3	0.7	2	-	0	-	0	-
TAWI-TAWI.....	2	0.9	1	0.4	0	-	0	-
ZAMB. DEL NORTE...	39	7.1	0	-	0	-	0	-
ZAMB. DEL SUR.....	989	108.2	4	0.4	0	-	0	-

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

109

A R E A	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPIITAN CITY.....	0	-	0	-	0	-	0	-
DIPLOLOG CITY.....	4	5.3	2	2.7	0	-	0	-
PAGADIAN CITY.....	0	-	0	-	3	9.1	0	-
ZAMBOANGA CITY....	1	0.2	0	-	0	-	0	-
REGION 10	2423	69.8	32	0.9	2	0.1	0	-
AGUSAN DEL NORTE..	1496	614.7	2	0.8	0	-	0	-
AGUSAN DEL SUR....	207	59.9	3	0.9	0	-	0	-
BUKIDNON.....	126	16.1	3	0.4	0	-	0	-
CAMIGUIN.....	0	-	-	-	0	-	0	-
MISAMIS OCC.....	137	52.0	4	1.5	0	-	0	-
MISAMIS OR.....	51	10.8	1	0.2	0	-	0	-
SURIGAO DEL NORTE.	361	98.7	10	2.7	0	-	0	-
BUTUAN CITY.....	24	11.2	2	0.9	2	0.9	0	-
CAGAYAN DE ORO....	4	1.2	2	0.6	0	-	0	-
GINGOOG CITY.....	0	-	0	-	0	-	0	-
OROQUIETA CITY....	0	-	0	-	0	-	0	-
DAVAO CITY.....	2	2.2	0	-	0	-	0	-
SURIGAO CITY.....	10	10.3	4	4.1	0	-	0	-
TANGUB CITY.....	5	11.2	1	2.2	0	-	0	-
REGION 11	2026	47.3	55	1.3	111	2.6	0	-
COTABATO SOUTH....	237	31.2	4	0.5	0	-	0	-
DAVAO DEL NORTE....	0	-	0	-	14	3.3	0	-
DAVAO ORIENTAL....	1462	154.7	36	3.8	19	2.0	0	-
DAVAO DEL SUR.....	12	1.9	1	0.2	26	4.1	0	-
SURIGAO DEL SUR....	11	2.2	4	0.8	52	10.6	0	-
DAVAO CITY.....	301	37.1	9	1.1	0	-	0	-
GEN. SANTOS CITY..	3	1.4	1	0.5	0	-	0	-
REGION 12	1569	55.9	23	0.8	0	-	0	-
NORTH COTABATO....	174	24.7	9	1.3	0	-	0	-
LANAO DEL NORTE....	1077	283.2	12	3.2	0	-	0	-
LANAO DEL SUR.....	71	16.9	0	-	0	-	0	-
MAGUINDANAO.....	58	10.6	0	-	0	-	0	-
SULTAN KUORAT....	186	46.5	0	-	0	-	0	-
COTABATO CITY.....	0	-	0	-	0	-	0	-
ILIGAN CITY.....	3	1.5	2	1.0	0	-	0	-
MARAWI CITY.....	0	-	0	-	0	-	0	-

110  
TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (393-398; 402; 404; 429)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	28940	49.3	21184	36.1	76221	129.8	40566	69.1
I NAT. CAP. REGION..	7341	98.0	4125	55.0	12923	172.5	7476	99.8
1ST DIST. MANILA..	2521	135.5	1290	69.3	4379	235.3	2184	117.3
2ND DIST. MUN.....	901	86.2	453	43.3	1492	142.7	919	87.9
QUEZON CITY.....	2112	143.1	1146	77.6	2913	197.3	1815	122.9
3RD DIST. MUN.....	423	58.1	275	37.8	814	111.9	498	68.4
CALOCAN CITY....	252	43.7	204	35.4	969	168.1	670	116.2
4TH DIST. MUN.....	823	56.5	614	42.2	1745	119.9	1118	76.8
PASAY CITY.....	309	88.1	143	40.8	611	174.2	272	77.6
REGION 1	2558	61.0	1734	41.4	6758	161.2	3633	86.7
ABRA.....	50	23.0	42	19.3	490	225.1	90	41.4
BENGUET.....	71	24.8	54	18.8	458	159.7	109	38.0
ILOCOS NORTE.....	214	54.7	195	49.8	1396	356.7	424	108.3
ILOCOS SUR.....	263	49.5	243	45.8	469	88.3	432	81.4
ILA UNION.....	259	46.2	236	42.1	919	163.8	605	107.8
IMT. PROVINCE.....	31	26.4	26	22.1	290	246.9	29	24.7
PANGASINAN.....	1140	69.6	662	40.4	1549	94.6	1294	79.0
BAGUIO CITY.....	148	99.6	105	70.7	652	438.9	183	123.2
DAGUPAN CITY.....	190	172.0	95	86.0	232	210.0	210	190.1
LAOAG CITY.....	131	173.5	41	54.3	191	252.9	163	215.8
SAN CARLOS CITY...	61	52.8	35	30.3	112	97.0	94	81.4
REGION 2	1215	45.4	632	23.6	2591	94.6	1937	51.3
BATANES.....	20	133.0	13	86.5	39	259.4	11	73.2
CAGAYAN.....	739	88.8	256	30.7	631	75.8	545	65.5
IFUGAO.....	40	30.5	20	15.2	59	44.9	41	31.2
ISABELA.....	267	25.2	246	23.2	996	94.0	525	49.5
KALINGA-APAYAO....	23	10.1	16	7.0	109	47.9	35	15.4
NEIVA VIZCAYA.....	95	31.6	69	22.9	295	98.1	169	55.8
QUIRINO.....	31	28.5	12	11.0	402	369.8	48	44.2
REGION 3	3331	57.7	2721	47.1	10391	179.9	4961	85.9
BATAAN.....	276	65.8	210	50.1	529	126.1	275	65.5
BULACAN.....	820	62.3	683	51.9	3291	250.0	1506	114.4
NUEVA ECIJA.....	482	46.6	449	43.4	2019	195.2	683	66.0
PAMPANGA.....	690	59.1	546	46.6	1667	142.1	894	76.2
TARLAC.....	461	58.3	380	48.1	878	111.1	800	101.2
ZAMBALES.....	145	41.6	131	37.6	429	123.2	247	70.9
ANGELES CITY.....	148	61.3	97	40.2	681	281.9	148	61.3
CABANATUAN CITY...	149	87.8	109	64.2	448	269.9	209	123.1

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

111

A R E A	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (393-398; 402; 404; 429)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	98	51.6	72	37.9	291	153.1	143	75.2
PALAYAN CITY.....	4	19.7	1	4.9	12	29.1	6	29.6
SAN JOSE CITY.....	58	78.7	43	58.4	146	198.2	50	67.9
REGION 4	3412	44.7	2941	38.6	10759	141.1	6481	85.0
AURORA.....	32	24.5	23	17.6	205	156.9	74	56.6
BATANGAS.....	560	53.0	508	48.1	1411	133.5	1157	109.4
CAVITE.....	470	53.9	434	49.7	1412	161.8	742	85.0
LAGUNA.....	510	47.0	431	39.8	1223	112.8	1008	93.0
MARINDUQUE.....	141	67.9	107	51.5	309	148.8	161	77.5
MINDORO OCC.....	70	25.6	54	19.8	638	233.6	115	42.1
MINDORO OR.....	180	31.7	168	29.6	2059	362.8	286	50.4
PALAWAN.....	76	19.1	44	11.1	283	71.2	81	20.4
QUEZON.....	432	34.1	401	31.7	1091	86.2	1023	80.8
RIZAL.....	301	41.6	275	38.0	692	95.6	669	92.4
ROMBLON.....	98	43.3	89	39.4	142	62.8	122	53.9
BATANGAS CITY.....	142	82.4	94	54.8	263	152.7	189	109.7
CAVITE CITY.....	71	72.0	53	53.7	171	173.4	142	144.0
LIPA CITY.....	95	65.6	87	60.1	249	172.0	191	131.9
LUCENA CITY.....	63	45.1	44	31.5	231	165.5	216	154.8
PUERTO PRINCESA ..	37	45.9	21	26.1	76	94.4	36	44.7
SAN PABLO CITY....	86	56.5	79	51.8	201	132.0	188	123.4
ITAGAYTAY CITY....	27	126.3	14	65.5	32	149.7	25	117.0
TRECE MARTIRES ...	21	193.6	15	138.3	71	654.7	56	516.4
REGION 5	1251	29.8	1007	23.9	5975	142.2	3031	72.1
ALBAY.....	211	25.2	179	21.3	1779	212.1	707	84.3
CAMARINES NORTE...	108	28.1	91	23.7	891	232.1	412	107.3
CAMARINES SUR.....	314	27.3	231	20.1	1333	115.8	693	60.2
CATANDUANES.....	72	35.2	53	25.9	217	106.1	112	54.7
MASBATE.....	119	17.0	103	14.7	633	90.4	202	28.8
SORSOGON.....	241	39.1	200	32.4	585	94.8	446	72.3
IRIGA CITY.....	29	40.2	18	2.0	96	133.1	71	98.4
LEGASPI CITY.....	72	53.9	65	48.7	249	186.4	206	154.2
NAGA CITY.....	85	85.0	67	67.0	192	192.0	182	182.0
REGION 6	2203	39.9	1985	36.0	5083	92.1	3374	61.2
AKLAN.....	203	50.1	183	45.2	302	74.6	258	63.7
ANTIQUE.....	148	34.6	132	30.9	562	131.4	294	68.7
CAPIZ.....	192	38.1	179	35.3	259	51.4	239	47.5
ILOILO.....	489	34.1	449	31.3	846	58.9	804	56.0
NEGROS OCC.....	352	23.5	336	22.4	1051	70.2	701	46.8

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (393-398; 402; 404; 429)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	291	93.3	267	85.6	463	148.4	335	107.4
BAGO CITY.....	36	28.7	30	23.9	80	63.7	43	34.2
CAOIZ CITY.....	46	24.8	28	19.3	79	54.3	62	42.6
ILOILO CITY.....	209	74.5	194	69.1	586	208.8	385	137.2
LA CARLOTA CITY...	19	33.1	15	26.1	27	47.0	26	45.2
LOKAS CITY.....	92	92.6	71	71.5	122	122.8	84	84.6
SAN CARLOS CITY...	63	64.8	55	56.5	636	653.8	106	109.0
SILAY CITY.....	63	48.3	47	36.1	70	53.7	37	28.4
REGION 7	2880	65.2	2478	56.1	4912	111.1	3554	80.4
BOHOL.....	421	49.0	398	46.3	814	94.7	601	70.0
CEBU.....	882	63.2	795	57.0	1516	108.6	1371	98.3
NEGROS OR.....	245	30.7	211	26.4	632	79.2	275	34.5
SIQUIJOR.....	83	109.8	65	81.3	132	165.1	95	118.9
BAIS CITY.....	42	75.8	27	48.7	55	99.2	30	54.1
CANLON CITY.....	29	95.8	17	56.2	41	135.5	21	69.4
CEBU CITY.....	641	105.5	590	97.1	798	131.3	610	100.4
DANAO CITY.....	52	78.6	36	54.4	216	326.7	99	140.6
DUMAGUETE CITY....	131	169.6	95	123.0	160	207.2	137	177.4
LAPU-LAPU CITY....	99	79.8	77	62.1	181	145.9	97	78.2
MANDAWE CITY.....	108	65.0	88	52.9	82	49.3	54	32.5
TAGBILARAN CITY...	92	395.1	45	93.3	99	205.2	77	159.6
TOLEDO CITY.....	63	45.3	34	30.5	186	166.7	93	83.3
REGION 8	1065	32.8	776	23.9	3667	112.8	1793	55.2
LEYTE DEL NORTE...	471	38.0	360	29.1	1958	158.1	704	56.9
LEYTE DEL SUR.....	192	53.4	146	40.6	434	120.6	226	62.8
EASTERN SAMAR.....	52	13.6	41	10.7	166	43.4	113	29.5
NORTHERN SAMAR....	92	19.7	50	10.7	459	98.3	222	47.5
WESTERN SAMAR.....	71	16.8	34	8.0	104	24.6	86	20.4
CALBAYOG CITY.....	32	26.4	21	17.4	41	33.9	30	24.8
ORMOG CITY.....	63	49.5	55	43.2	119	93.5	71	55.8
TACLOBAN CITY.....	92	69.8	69	52.3	386	292.8	341	258.7
REGION 9	673	22.4	462	15.4	2276	75.8	964	32.1
DAVAO CITY.....	41	16.9	22	9.1	97	40.0	83	34.3
SULU.....	32	7.6	15	3.6	40	9.5	39	9.2
TAWI-TAWI.....	19	8.3	2	0.9	24	10.5	4	1.8
ZAMB. DEL NORTE...	152	27.5	83	15.0	477	86.4	122	22.1
ZAMB. DEL SUR.....	119	19.0	93	10.2	433	47.4	203	22.2

TABLE 16

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1988**

113

A R E A	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (393-398; 402; 404; 429)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	61	96.7	44	69.7	64	101.4	38	60.2
DIPOLOG CITY.....	46	61.0	28	37.2	103	136.7	78	103.5
PAGADIAN CITY.....	51	52.4	30	30.8	551	566	73	77.0
ZAMBOANGA CITY.....	152	37.4	145	35.7	487	119.8	322	79.2
REGION 10	1116	32.1	860	24.8	3922	112.9	1560	44.9
LAGUSAN DEL NORTE..	65	26.7	62	25.5	939	385.8	99	40.7
LAGUSAN DEL SUR....	31	9.0	23	6.7	152	44.0	63	18.2
BUKIDNON.....	129	16.4	97	12.4	606	77.3	195	24.9
CAMIGUIN.....	41	62.2	21	31.9	129	195.8	94	142.7
MISAMIS OCC.....	105	39.8	90	34.1	157	59.6	138	52.3
MISAMIS OR.....	129	27.4	116	24.7	230	48.9	184	39.1
SURIGAO DEL NORTE..	91	24.9	77	21.1	203	55.5	134	36.6
BUTUAN CITY.....	99	46.0	86	40.0	353	164.1	136	63.2
CAGAYAN DE ORO....	179	54.4	144	43.8	762	231.8	278	84.6
GINGOOG CITY.....	42	42.6	26	26.4	144	146.2	43	43.7
OROQUIETA CITY....	43	75.4	36	63.2	79	138.6	60	105.3
IZAMIS CITY.....	59	64.1	44	47.8	73	79.3	65	70.6
SURIGAO CITY.....	62	63.8	23	23.7	69	71.0	56	57.6
TANGUB CITY.....	41	91.5	15	33.5	26	58.0	15	33.5
REGION 11	1427	33.3	1140	26.6	2537	59.2	1822	42.5
COTABATO SOUTH....	191	25.1	150	19.7	756	99.5	260	34.2
DAVAO DEL NORTE....	252	26.7	235	24.9	372	39.4	356	37.7
DAVAO ORIENTAL....	92	21.8	72	17.1	145	34.4	130	30.9
DAVAO DEL SUR.....	163	25.5	150	23.5	281	44.0	266	41.7
SURIGAO DEL SUR....	189	38.5	93	19.0	284	57.9	168	34.3
DAVAO CITY.....	459	56.6	379	46.7	517	70.5	512	63.1
GEN. SANTOS CITY..	81	36.8	61	27.7	182	82.7	130	59.1
REGION 12	468	16.7	323	11.5	4487	159.8	544	19.4
COTABATO NORTH....	107	15.2	83	11.8	963	136.4	118	16.7
ILANAO DEL NORTE....	71	18.7	50	13.1	623	163.8	108	28.4
ILANAO DEL SUR.....	16	3.8	2	0.5	1517	360.8	5	1.2
MAGUINDANAO.....	29	5.3	12	2.2	453	83.2	35	6.4
SULTAN KUDARAT....	71	17.7	47	11.7	613	153.2	98	24.5
COTABATO CITY.....	63	61.6	45	44.0	102	99.8	82	80.2
ILIGAN CITY.....	92	47.4	78	40.1	116	59.7	89	45.8
MARAWI CITY.....	19	31.4	6	9.9	100	165.2	9	14.9



114  
TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

A R E A	BRONCHITIS (460-466)				PNEUMONIAS (480-486)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	759511	1293.4	1438	2.4	201902	343.8	47444	80.8
NAT. CAP. REGION..	43956	586.6	57	0.8	16013	213.7	6498	86.7
1ST DIST. MANILA..	5910	285.3	11	0.6	6817	366.3	2213	118.9
2ND DIST. MUN.....	4253	406.8	4	0.4	1228	117.4	815	77.9
QUEZON CITY.....	9111	617.1	14	0.9	3623	245.4	1200	81.3
3RD DIST. MUN.....	4910	674.8	6	0.8	679	93.3	488	67.1
CALOCAN CITY....	5421	940.5	4	0.7	1754	304.3	649	112.6
4TH DIST. MUN.....	5539	380.5	17	1.2	1093	75.1	876	60.2
PASAY CITY.....	9412	2684.0	1	0.3	819	233.6	257	73.3
REGION 1	20429	487.3	108	2.6	13844	330.2	4646	110.8
ABRA.....	3716	1707.3	4	1.8	871	400.2	203	93.3
BENGUET.....	430	149.9	2	0.7	1717	598.7	107	37.3
ILOCOS NORTE.....	4516	1154.0	10	2.6	1602	409.4	189	48.3
ILOCOS SUR.....	390	73.4	18	3.4	1488	280.2	386	72.7
LA UNION.....	138	24.6	23	4.1	2105	375.2	574	102.3
MT. PROVINCE.....	103	87.7	5	4.3	637	542.4	88	74.9
PANGASINAN.....	8923	545.1	38	2.3	2599	158.8	2478	151.4
BAGUID CITY.....	1376	926.3	0	-	1844	1241.3	89	59.9
DAGUPAN CITY.....	426	385.5	2	1.8	614	555.7	351	317.7
LAOAG CITY.....	250	331.0	2	2.6	137	181.4	62	593.0
SAN CARLOS CITY...	161	139.4	4	3.5	230	199.1	119	103.0
REGION 2	34354	1283.8	224	8.4	9418	352.0	2316	86.6
BATANES.....	974	6477.8	0	-	53	352.5	22	146.3
CAGAYAN.....	6536	785.0	111	13.3	2883	346.3	897	107.7
IFUGAO.....	1123	855.3	4	3.0	223	169.8	43	32.7
ISABELA.....	19822	1870.5	95	9.0	2914	275.0	1080	101.9
KALINGA-APAYAO...	1890	830.1	5	2.2	470	206.4	42	18.4
NEUVA VIZCAYA....	1575	523.5	7	2.3	2290	761.1	168	55.8
QUIRINO.....	2434	2238.8	2	1.8	585	538.1	64	58.9
REGION 3	67916	1175.6	127	2.2	15529	268.8	3643	63.1
BATAAN.....	11012	262.7	6	1.4	2621	624.7	246	58.6
BULACAN.....	22237	1688.9	13	1.0	3053	231.9	891	67.7
NUEVA ECIJA.....	6614	639.5	7	0.7	1665	161.0	563	54.4
PAMPANGA.....	10220	871.5	13	1.1	3482	296.9	406	34.6
TARLAC.....	6527	825.7	3	0.4	1875	237.2	678	85.8
ZAMBALES.....	4973	1428.2	8	2.3	977	280.6	248	71.2
ANGELES CITY.....	3597	1488.9	0	-	705	291.9	178	73.7
CABANATUAN CITY...	158	93.1	1	0.6	221	130.2	209	123.1

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

115

A R E A	BRONCHITIS (460-466)				PNEUMONIAS (480-486)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
LOLONGAPO CITY.....	1396	734.5	2	1.1	666	350.4	142	74.7
IPALAYAN CITY.....	19	64.1	0	-	102	502.7	17	89.8
SAN JOSE CITY.....	1169	1587.0	74	100.4	162	219.9	65	88.2
REGION 4	48980	642.2	232	3.0	13815	181.1	5986	78.5
AURORA.....	972	743.9	10	7.6	216	165.3	114	87.3
BATANGAS.....	7457	705.4	22	2.1	2303	217.9	780	73.8
CAVITE.....	5059	579.6	14	1.6	1487	170.4	591	67.8
LAGUNA.....	2976	274.5	17	1.6	847	78.1	791	73.0
MARINOUQUE.....	1186	571.1	9	4.3	1009	485.9	199	95.8
MINDORO OCC.....	2997	1075.2	16	5.9	493	180.5	165	60.4
MINDORO OR.....	8118	1430.5	35	6.2	1269	223.6	371	65.4
PALAWAN.....	3418	859.8	9	2.3	796	1200.2	101	25.4
QUEZON.....	6691	528.6	61	5.0	1779	140.5	1302	102.9
RIZAL.....	5154	712.1	4	0.6	1722	237.9	719	99.3
ROMBLON.....	1772	783.5	10	4.4	756	934.3	212	93.7
BATANGAS CITY.....	96	55.7	0	-	131	76.1	98	56.9
CAVITE CITY.....	1678	1701.7	1	1.0	347	351.9	73	74.0
LIPA CITY.....	347	239.	2	1.4	170	117.4	145	100.2
LUCENA CITY.....	87	62.3	14	10.0	142	101.7	131	93.8
PUERTO PRINCESA ..	144	178.8	2	2.5	81	100.6	46	57.1
SAN PABLO CITY.....	647	424.7	2	1.3	192	126.0	102	67.0
TAGAYTAY CITY.....	2	9.4	1	4.7	14	65.5	8	37.4
TRECE MARTIRES ..	239	2203.8	3	27.7	61	562.5	38	350.4
REGION 5	104967	2498.3	186	2.0	21536	512.6	4613	109.8
ALBAY.....	27662	3297.7	56	6.7	7213	859.9	886	105.6
CAMARINES NORTE...	10027	2611.6	5	1.3	2252	586.6	693	180.5
CAMARINES SUR.....	19651	1706.9	23	2.0	5651	490.9	1485	129.0
CATANDUANES.....	3349	1636.7	18	8.8	379	185.2	226	110.5
MASBATE.....	18395	2626.1	31	4.4	4054	578.7	442	63.1
SORSOGON.....	20162	3269.5	28	4.5	1343	217.8	549	89.0
IRIGA CITY.....	135	259.4	21	29.1	81	112.3	47	65.1
ILEGASPI CITY.....	5406	4646.7	2	1.5	401	300.2	168	125.8
INAGA CITY.....	180	180.0	2	2.0	162	162.0	117	117.0
REGION 6	49235	892.3	85	1.5	9637	174.7	4647	84.2
AKLAN.....	5461	1348.8	23	5.7	396	97.8	289	71.4
ANTIQUE.....	8038	1879.3	5	1.2	1063	248.5	609	142.4
CAPIZ.....	4627	918.7	3	0.6	851	169.0	530	105.2
ILOILO.....	7683	535.1	27	1.9	2461	171.4	1299	90.5
NEGROS OCC.....	17869	1193.1	16	1.1	1709	114.1	994	66.4

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	BRONCHITIS (460-466)				PNEUMONIAS (480-486)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BAKOLOD CITY.....	0	-	0	-	286	91.7	258	82.7
BAGO CITY.....	13	10.4	3	2.4	100	79.6	66	52.6
CADIZ CITY.....	0	-	0	-	63	43.3	44	30.3
ILOILO CITY.....	2979	1061.6	1	0.4	1680	598.7	240	85.5
LA CARLOTA CITY...	130	226.1	2	3.5	136	236.6	52	90.5
LOXAS CITY.....	443	446.0	1	1.0	179	179.2	93	93.6
SAN CARLOS CITY...	1085	1115.4	4	4.1	502	516.0	96	98.7
SILAY CITY.....	907	696.0	0	-	212	162.7	77	59.1
REGION 7	19934	451.0	65	1.5	11651	263.6	4507	102.0
BOHOL.....	6943	808.1	14	1.6	2418	281.4	696	104.3
CEBU.....	5158	369.7	37	2.7	3761	269.5	1740	124.7
NEGROS OR.....	3824	479.1	1	0.1	2170	271.9	512	64.1
SIGUIJOR.....	291	364.1	1	1.3	93	116.4	81	101.3
BAIS CITY.....	154	277.9	1	1.8	62	111.9	10	18.0
CANLON CITY.....	64	211.5	1	3.3	102	337.1	90	264.4
CEBU CITY.....	2419	398.0	4	0.7	1979	325.6	556	91.5
DANAO CITY.....	357	539.9	1	1.5	198	299.4	103	155.8
DUMAGUETE CITY...	37	47.9	1	1.3	139	180.0	88	113.9
LAPU-LAPU CITY...	239	192.6	0	-	284	228.9	234	188.6
MANDAWE CITY.....	57	34.3	2	1.2	118	71.0	96	57.8
TAGBILARAN CITY...	67	138.8	2	4.1	121	250.8	33	68.4
TOLEDO CITY.....	324	290.3	0	-	206	184.6	78	69.9
REGION 8	52126	1603.8	171	5.3	15070	463.7	3253	100.1
LEYTE DEL NORTE...	25230	2037.8	102	8.2	8886	717.8	1739	140.5
LEYTE DEL SUR.....	6666	1852.7	17	4.7	1485	412.7	294	81.7
EASTERN SAMAR.....	8118	2121.8	2	0.5	1809	472.8	137	35.8
NORTHERN SAMAR...	7724	1654.0	17	3.6	1125	240.9	393	84.2
WESTERN SAMAR.....	4111	972.8	9	2.1	1059	250.6	198	46.9
CALBAYOG CITY.....	93	76.9	22	18.2	151	124.8	63	52.1
ORMOC CITY.....	117	91.9	2	1.6	150	117.9	133	104.5
TACLOBAN CITY.....	67	50.8	0	-	405	307.2	296	224.6
REGION 9	59216	1973.1	46	1.5	13490	449.5	1391	46.3
BASILAN.....	2449	1010.9	3	1.2	83	34.3	58	23.9
SULU.....	2990	708.1	4	0.9	419	99.2	125	29.6
TAWI-TAWI.....	951	417.0	1	0.4	77	33.8	1	0.4
ZAMB. DEL NORTE...	13227	2396.0	12	2.2	4398	796.7	286	51.8
ZAMB. DEL SUR.....	32475	3552.2	11	1.2	6514	712.5	316	34.6

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

117

A R E A	BRONCHITIS (460-466)				PNEUMONIAS (480-486)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAKITAN CITY.....	337	534.1	1	1.6	171	271.0	67	106.2
DIPOLOG CITY.....	164	217.6	3	4.0	288	382.2	74	98.2
PAGADIAN CITY.....	6189	6357.3	9	9.2	327	335.9	126	129.4
ZAMBOANGA CITY.....	434	106.8	2	0.5	1213	298.4	338	83.1
REGION 10	73800	2125.3	67	1.9	18263	525.9	2689	77.4
LAGUSAN DEL NORTE..	7143	2934.8	1	0.4	1945	799.1	180	74.0
LAGUSAN DEL SUR....	2639	763.1	12	3.5	388	112.2	172	49.7
BUKIDNON.....	24675	3145.9	10	1.3	6735	858.7	424	54.1
COMIGUIN.....	2696	4076.4	2	3.0	57	86.5	54	82.0
MISAMIS OCC.....	11058	4194.8	5	1.9	969	367.6	280	106.2
MISAMIS OR.....	10829	2303.4	2	0.4	1412	300.3	371	78.9
SURIGAO DEL NORTE..	6097	1667.1	5	1.4	503	137.5	216	59.1
BUTUAN CITY.....	1998	929.0	3	1.4	977	454.3	268	124.6
CAGAYAN DE ORO....	1696	515.8	2	0.6	3082	937.4	300	91.2
GINGOOG CITY.....	2080	2111.5	3	3.0	698	708.6	125	126.9
OROQUIETA CITY....	1027	1801.7	0	-	271	475.4	87	152.6
OSAMIS CITY.....	1787	1940.3	21	22.8	967	1050.0	81	87.9
SURIGAO CITY.....	60	61.7	1	1.0	141	14.1	42	43.2
TANGUB CITY.....	25	55.8	0	-	118	263.2	89	198.5
REGION 11	122512	2858.8	53	1.2	26911	628.0	2458	57.4
COTABATO SOUTH....	13076	1720.9	6	0.8	1047	137.8	368	48.4
DAVAO DEL NORTE....		2027.0	6	0.6	5916	626.1	588	62.2
DAVAO ORIENTAL....	17773	4220.5	16	3.8	4561	1083.1	209	49.6
DAVAO DEL SUR.....	50993	7988.5	2	0.3	7800	1221.9	374	58.6
SURIGAO DEL SUR....	17423	3552.7	14	2.9	3710	756.5	404	82.4
DAVAO CITY.....	3023	372.8	8	1.0	3346	412.7	319	39.3
GEN. SANTOS CITY..	1071	486.8	1	0.5	531	241.4	196	89.1
REGION 12	62086	2211.0	17	0.6	16725	595.6	797	28.4
COTABATO NORTH....	12769	1809.2	2	0.3	3232	457.9	100	14.2
ILANAO DEL NORTE...	14062	3697.8	7	1.8	1135	298.5	162	42.6
ILANAO DEL SUR.....	10669	2537.3	0	-	2237	532.0	13	3.1
IMAGUINDANAO.....	13681	2512.8	0	-	4834	887.9	7	1.3
SULTAN KUORAT....	9217	2303.8	1	0.2	3632	907.8	115	28.7
COTABATO CITY.....	424	414.9	0	-	1214	1188.0	117	114.5
ILIGAN CITY.....	1190	612.5	7	3.6	360	185.2	232	119.4
MARAWI CITY.....	74	122.3	0	-	81	133.8	51	84.3

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1988**

A R E A	INFLUENZA (487)				ACCIDENTS (800-999; E800-E949)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
PHILIPPINES.....	576404	981.6	791	1.3	110905	188.7	11456	19.5
NAT. CAP. REGION..	12108	161.6	33	0.4	5292	70.6	970	12.9
1ST DIST. MANILA..	953	51.2	6	0.3	2187	118.0	291	15.6
2ND DIST. MUN.....	1934	185.0	11	1.1	332	31.8	160	15.3
QUEZON CITY.....	1643	111.3	1	0.1	423	28.7	277	18.8
3RD DIST. MUN.....	2861	398.2	2	0.3	1398	192.1	71	9.8
CALOOCAN CITY...	1218	211.2	6	1.0	171	29.7	60	10.4
4TH DIST. MUN.....	1561	107.2	6	0.4	283	19.4	88	6.0
PASAY CITY.....	1938	552.7	1	0.3	498	142.0	23	6.6
REGION 1	20886	498.2	150	3.6	7278	173.6	1047	25.0
ABRA.....	0	-	0	-	286	131.4	25	11.5
BENGUET.....	1964	684.8	1	0.3	430	149.9	59	20.6
ILOCOS NORTE.....	3473	887.5	11	2.8	4516	1154.0	111	28.4
ILOCOS SUR.....	3562	670.9	9	1.7	390	73.4	147	27.7
LA UNION.....	1961	349.5	12	2.1	209	37.3	174	31.0
MT. PROVINCE.....	2137	1819.8	3	2.6	59	50.2	36	30.7
PANGASINAN.....	6515	398.0	90	5.5	567	34.6	308	18.8
BAGUIO CITY.....	504	339.3	0	-	668	449.7	66	44.4
DAGUPAN CITY.....	253	228.1	2	1.8	86	77.8	72	65.2
LAOAG CITY.....	176	233.1	5	6.6	38	50.3	26	34.4
SAN CARLOS CITY...	341	295.3	17	14.7	29	25.1	29	20.0
REGION 2	36239	1354.3	29	1.1	9527	131.8	711	26.6
BATANES.....	1871	12443.5	0	-	32	212.8	5	33.3
CAGAYAN.....	7799	936.7	23	2.8	1399	168.0	247	29.7
IFUGAO.....	289	220.1	2	1.5	263	200.3	26	19.8
ISABELA.....	23466	2214.4	4	0.4	689	65.0	272	25.7
KALINGA-APAYAO....	2246	986.5	0	-	61	26.8	42	18.4
NEUVA VIZCAYA.....	208	69.1	0	-	893	236.8	87	28.9
QUIRINO.....	360	331.1	0	-	190	174.8	32	29.4
REGION 3	38169	660.7	34	0.6	13215	228.7	1159	20.1
BATAAN.....	1922	458.1	2	0.5	3617	862.1	116	27.6
BULACAN.....	8533	648.1	8	0.6	4121	313.0	310	23.5
NUEVA ECIIJA.....	4132	399.5	8	0.8	1838	177.7	169	16.3
PAMPANGA.....	12288	1047.8	1	0.1	2182	186.1	192	16.4
TARLAC.....	5084	643.2	1	0.1	286	36.2	118	14.9
ZAMBALLES.....	1831	525.8	13	3.7	676	194.1	97	27.9
ANGELES CITY.....	3597	1488.9	0	-	242	100.2	37	15.3
CABANATUAN CITY....	465	274.0	0	-	75	44.2	59	34.8

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

119

A R E A	INFLUENZA (487)				ACCIDENTS (800-999; E800-E949)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
OLONGAPO CITY.....	103	54.2	1	0.5	134	70.5	29	15.3
PALAYAN CITY.....	1	4.9	0	-	14	69.0	10	49.3
SAN JOSE CITY.....	213	289.2	0	-	30	40.7	22	29.9
REGION 4	44820	587.7	87	1.1	6493	85.1	1680	22.0
AURORA.....	1042	797.5	8	6.1	531	311.1	70	59.6
BATANGAS.....	5017	474.6	21	2.0	1440	136.2	144	19.6
CAVITE.....	9839	439.9	12	1.4	724	83.0	125	14.3
LAGUNA.....	2490	229.7	2	0.2	604	55.7	237	21.9
MARINDUQUE.....	615	296.1	11	5.3	130	62.6	49	23.6
MINDORO OCC.....	2410	882.2	1	0.4	867	317.4	72	26.4
MINDORO OR.....	11906	2098.0	6	1.6	182	32.1	110	19.4
PALAWAN.....	6552	1648.1	1	0.3	441	110.9	53	13.3
QUEZON.....	3531	278.9	14	1.1	894	70.6	368	29.1
RIZAL.....	3959	547.0	1	0.1	201	27.8	135	18.7
ROMBLON.....	1616	714.5	3	1.3	60	26.5	54	23.9
BATANGAS CITY.....	285	165.5	3	1.7	57	93.1	45	26.1
CAVITE CITY.....	143	145.0	1	1.0	19	19.3	12	12.2
LIPA CITY.....	132	91.1	0	-	48	33.2	39	26.9
LUCENA CITY.....	80	57.3	3	2.1	69	49.4	62	44.4
PUERTO PRINCESA...	136	168.9	0	-	48	59.6	37	45.9
SAN PABLO CITY.....	958	628.9	0	-	156	102.4	54	35.4
ITAGAYTAY CITY.....	2	9.4	0	-	14	65.5	5	23.4
TRECE MARTIRES ...	107	986.6	0	-	14	129.1	9	83.0
REGION 5	49232	1171.7	72	1.7	6376	151.7	856	20.4
ALBAY.....	19164	1569.3	15	1.8	1545	184.2	134	16.0
CAMARINES NORTE...	4845	1261.9	3	0.8	2520	656.4	134	34.9
CAMARINES SUR.....	15791	1371.6	9	0.8	694	60.2	227	19.7
CATANDUANES.....	4005	1957.3	8	3.9	87	42.5	47	23.0
MASBATE.....	8135	165.8	3	0.4	936	139.6	93	13.3
SORSOGON.....	2475	401.4	12	1.9	466	75.6	114	18.5
IRIGA CITY.....	518	718.0	13	18.0	30	41.6	23	31.9
LEGASPI CITY.....	89	66.6	4	3.0	57	42.7	45	33.7
NAGA CITY.....	210	210.0	5	5.0	41	41.0	39	39.0
REGION 6	53713	973.5	188	3.4	12978	235.2	1066	19.3
AKLAN.....	4777	1179.9	10	2.5	2101	518.9	109	26.9
ANTIQUE.....	9023	1875.7	11	2.6	1086	253.9	108	25.2
CAPIZ.....	7091	1408.0	10	2.0	981	194.8	95	18.8
ILOILO.....	5510	383.8	23	1.6	4261	296.8	231	16.1
NEGROS OCC.....	25924	1730.9	81	5.4	3723	248.6	187	12.5

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

A R E A	INFLUENZA (487)				ACCIDENTS (800-999;E800-E949)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY.....	921	295.2	23	7.4	306	98.1	106	94.0
BAGO CITY.....	6	4.6	3	2.4	46	36.6	27	21.5
CADIZ CITY.....	55	37.8	2	1.4	36	24.8	23	15.8
ILOILO CITY.....	464	165.4	13	4.6	314	111.9	100	35.6
LA CARLOTA CITY....	62	107.9	0	-	16	27.9	10	17.4
LOKAS CITY.....	70	70.5	1	1.0	46	46.3	36	36.2
SAN CARLOS CITY....	310	319.7	1	1.0	38	39.1	16	16.4
SILAY CITY.....	500	383.7	10	7.7	24	18.4	18	13.8
REGION 7	4742	107.3	33	0.7	4862	110.0	886	20.0
BOMOL.....	2090	243.3	5	0.6	655	99.5	147	17.1
CEBU.....	1313	94.1	11	0.8	2029	145.4	259	18.6
NEGROS OR.....	927	116.1	8	1.0	910	114.0	83	10.4
SIQUIJOR.....	56	70.1	0	-	316	395.3	13	16.3
BAIS CITY.....	36	65.0	1	1.8	26	46.9	8	14.4
CANLON CITY.....	19	62.8	2	6.6	0	-	0	-
CEBU CITY.....	174	28.6	0	-	386	63.5	206	33.9
DANAO CITY.....	0	-	0	-	19	28.7	17	25.7
DUMAGUETE CITY....	3	3.9	0	-	88	113.9	44	57.0
LAPU-LAPU CITY....	102	82.2	6	4.8	49	39.5	21	16.9
MANDAME CITY.....	5	1.8	0	-	96	57.8	41	24.7
TAGBILARAN CITY....	1	2.0	0	-	32	66.3	22	45.6
TOLEDO CITY.....	16	14.3	0	-	56	50.2	25	22.4
REGION 8	21355	657.0	104	3.2	6649	204.6	673	20.7
LEYTE DEL NORTE....	9344	754.8	64	5.2	3200	258.5	232	18.7
LEYTE DEL SUR.....	2725	757.4	11	3.1	1229	341.6	43	12.0
EASTERN SAMAR.....	3189	933.5	12	3.1	732	191.3	130	34.0
NORTHERN SAMAR....	3065	656.3	4	0.9	590	126.3	80	17.1
WESTERN SAMAR.....	2885	682.7	2	0.5	744	176.1	69	16.1
CALBAYOG CITY.....	50	41.3	8	6.6	24	19.8	20	16.5
ORMOC CITY.....	59	46.4	0	-	61	47.9	49	38.5
TACLOBAN CITY.....	38	28.8	3	2.3	69	52.3	51	38.7
REGION 9	101030	3266.4	8	0.3	13422	447.2	396	13.2
BASILAN.....	1156	477.2	0	-	128	52.8	20	8.3
SULU.....	5769	1366.2	0	-	3850	911.8	18	4.3
TAWI-TAWI.....	1884	826.1	0	-	139	60.9	8	3.5
ZAMB. DEL NORTE....	21568	3906.9	2	0.4	3521	637.8	58	10.5
ZAMB. DEL SUR.....	61394	6715.4	2	0.2	5263	575.7	116	12.7

TABLE 16

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1989

121

A R E A	INFLUENZA (487)				ACCIDENTS (800-999; E800-E949)			
	C A S E S		D E A T H S		C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY.....	184	291.6	2	3.2	61	96.7	17	26.9
DIPOLOG CITY.....	509	675.4	0	-	41	54.4	22	29.2
PAGADIAN CITY.....	7691	7900.1	1	1.0	120	123.3	50	51.4
ZAMBOANGA CITY....	875	215.2	1	0.2	299	73.6	87	21.4
REGION 10	69367	1824.9	32	0.9	8763	252.4	755	21.7
AGUSAN DEL NORTE..	5550	2280.3	1	0.4	2596	1066.6	57	23.4
AGUSAN DEL SUR....	838	242.3	0	-	252	72.9	86	24.9
BUKIDNON.....	27512	3507.3	0	-	1431	182.4	142	18.1
CAMIGUIN.....	3127	4745.6	0	-	405	614.6	12	18.2
MISAMIS OCC.....	6253	2372.0	3	1.1	271	102.8	39	14.8
MISAMIS OR.....	9606	2043.2	1	0.2	309	65.7	93	4.2
SURIGAO DEL NORTE..	7781	2127.6	10	2.7	697	190.6	48	13.1
BUTUAN CITY.....	536	249.2	3	1.4	552	256.7	91	42.3
CAGAYAN DE ORO....	307	93.3	6	1.8	2005	609.8	99	30.1
SINGOOD CITY.....	504	511.6	2	2.0	97	88.3	18	18.3
OROQUIETA CITY....	463	812.2	6	10.5	32	56.1	12	21.1
OZAMIS CITY.....	858	931.6	0	-	63	68.4	24	26.1
SURIGAO CITY.....	4	4.1	0	-	42	49.2	20	20.6
TANGUB CITY.....	28	62.5	0	-	21	46.8	14	31.2
REGION 11	80599	1880.8	17	0.4	13227	308.7	920	21.5
COTABATO SOUTH....	7861	1034.6	2	0.3	3653	480.7	135	17.8
DAVAO DEL NORTE...	9203	974.0	0	-	642	67.9	236	25.0
DAVAO ORIENTAL....	15159	3599.8	2	0.5	2496	592.7	56	13.3
DAVAO DEL SUR....	39495	6187.2	0	-	3603	564.4	89	13.9
SURIGAO DEL SUR....	6826	1391.9	12	2.4	1504	306.7	90	18.4
DAVAO CITY.....	979	120.7	1	0.1	472	58.2	237	29.2
GEN. SANTOS CITY..	1076	489.1	0	-	857	389.5	77	35.0
REGION 12	50144	1785.7	4	0.1	8723	310.6	337	12.0
COTABATO NORTH....	5692	806.5	2	0.3	926	131.2	84	11.9
LANAO DEL NORTE...	19548	5140.5	1	0.3	2202	579.1	56	14.7
LANAO DEL SUR....	11369	2703.7	0	-	1323	314.6	3	0.7
MAGUINDANAO.....	1736	318.8	0	-	1282	235.5	26	4.8
SULTAN KUORAT....	10947	2736.2	0	-	1367	341.7	57	14.2
COTABATO CITY.....	57	55.8	0	-	53	51.9	48	47.0
ILIGAN CITY.....	640	329.4	1	0.5	1505	774.6	55	28.3
MARAWI CITY.....	155	256.1	0	-	65	107.4	8	13.2



TABLE 17 NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

W E E K	TYPHOID AND PARATYPHOID FEVER & OTHER SALMONELLA INFECTION (002;003)			DIARRHEAS (004-009)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
1.....	291	217	373	10945	8747	12264
2.....	307	212	331	10586	9006	11031
3.....	256	161	421	11719	9342	11120
4.....	278	149	457	11724	10061	11437
5.....	280	184	425	10921	9250	13462
6.....	295	209	440	10630	9372	13068
7.....	263	189	426	11197	9498	12349
8.....	263	242	290	10478	10232	12494
9.....	275	208	386	9791	9592	11078
10.....	263	163	357	10454	10264	12057
11.....	286	190	316	10394	10173	11150
12.....	277	181	282	10395	9349	11339
13.....	241	161	272	9425	8769	9068
14.....	241	219	283	9861	9046	10616
15.....	256	236	351	10733	9689	11127
16.....	249	199	266	9584	9087	11066
17.....	229	191	258	9774	8955	10896
18.....	243	219	332	9232	8054	11077
19.....	288	225	371	10677	10407	13431
20.....	285	201	381	11521	10275	13490
21.....	284	274	284	11322	11131	11472
22.....	301	238	213	12221	11550	11097
23.....	275	240	344	12659	11841	12242
24.....	272	201	275	11776	11537	13576
25.....	292	275	261	11746	10716	14945
26.....	269	252	256	10548	9347	13750

TABLE 17

123

NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	TYPHOID AND PARATYPHOID FEVER & OTHER SALMONELLA INFECTION (002;003)			DIARRHEAS (004-009)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
27.....	249	181	276	11008	8749	15292
28.....	272	263	366	12705	11812	20217
29.....	264	243	289	12387	12202	18771
30.....	245	245	312	12365	11234	16681
31.....	245	204	346	11342	10193	15023
32.....	248	225	345	12421	9823	15783
33.....	250	186	367	10455	8959	15541
34.....	251	200	346	11190	8767	14661
35.....	232	165	308	9880	8552	12515
36.....	226	179	295	10861	9421	11649
37.....	291	232	282	10717	9682	10935
38.....	311	289	325	10499	9412	12080
39.....	282	238	322	11011	9254	10587
40.....	283	268	367	9810	8537	6990
41.....	268	226	223	11168	9829	10029
42.....	259	231	288	10508	9528	10315
43.....	276	252	168	10401	9020	9799
44.....	247	198	230	10076	9025	9207
45.....	317	295	261	10551	9400	12030
46.....	316	258	257	11684	10170	12664
47.....	301	238	280	11070	9489	12640
48.....	280	194	184	10187	8303	8250
49.....	224	165	223	10494	8015	7905
50.....	256	183	172	9792	7683	8339
51.....	205	151	169	9012	7392	8558
52.....	181	145	178	8394	7158	7192

TABLE 17 NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

	DIPHTHERIA (032)			WHOOPING COUGH (033)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
1.....	61	46	29	444	377	197
2.....	42	37	33	311	266	186
3.....	36	33	32	455	340	167
4.....	39	35	42	417	325	171
5.....	34	30	37	402	312	218
6.....	52	41	58	476	413	185
7.....	46	35	25	409	369	157
8.....	59	42	55	397	337	178
9.....	56	41	49	371	336	185
10.....	32	24	27	500	360	380
11.....	53	31	25	400	380	261
12.....	39	36	55	366	331	277
13.....	28	23	24	445	323	134
14.....	44	32	44	361	295	305
15.....	42	34	26	406	323	178
16.....	27	22	26	411	352	189
17.....	34	21	22	353	341	140
18.....	24	21	36	312	238	123
19.....	33	28	20	413	355	167
20.....	38	31	15	361	314	124
21.....	36	27	14	467	431	174
22.....	38	35	15	375	354	115
23.....	32	25	17	391	271	133
24.....	27	21	10	301	259	99
25.....	32	20	15	298	265	95
26.....	29	25	37	375	246	69

TABLE 17

125

NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	DIPHTHERIA (032)			WHOOPING COUGH (033)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
27.....	45	32	23	383	275	96
28.....	34	29	15	343	318	91
29.....	29	26	25	371	301	100
30.....	34	29	13	358	284	98
31.....	32	27	11	330	322	153
32.....	32	28	12	365	240	132
33.....	28	26	16	338	246	246
34.....	30	30	16	297	274	120
35.....	35	31	15	304	274	128
36.....	28	22	12	280	221	142
37.....	23	15	33	308	287	122
38.....	27	24	15	282	258	131
39.....	25	24	12	293	265	145
40.....	27	23	21	350	310	175
41.....	25	16	29	323	267	157
42.....	27	21	11	286	230	108
43.....	30	25	22	321	281	85
44.....	22	18	12	251	188	104
45.....	21	17	18	227	218	132
46.....	32	21	11	299	225	145
47.....	19	15	13	313	224	185
48.....	30	17	9	341	239	89
49.....	34	21	13	275	217	78
50.....	26	22	15	269	226	77
51.....	37	24	10	233	185	77
52.....	17	12	12	192	142	91

TABLE 17 NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	TETANUS (037)			POLIOMYELITIS (045;138)			VARICELLA (052)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
1.....	90	82	61	8	6	6	67	39	104
2.....	68	58	61	18	13	10	55	36	89
3.....	63	57	57	7	6	4	74	56	77
4.....	82	68	59	5	3	4	83	72	136
5.....	89	80	66	7	6	2	97	68	169
6.....	63	59	65	8	7	5	104	77	111
7.....	65	62	75	11	7	5	101	69	152
8.....	63	59	69	21	16	7	124	81	126
9.....	77	73	57	10	6	4	105	100	163
10.....	62	60	54	7	7	10	167	119	130
11.....	71	64	50	10	9	10	113	106	140
12.....	70	63	62	8	5	7	147	109	168
13.....	74	68	72	10	6	13	115	90	113
14.....	75	70	61	8	5	6	131	100	166
15.....	77	60	58	7	6	8	105	70	190
16.....	81	70	66	5	4	8	111	94	120
17.....	62	59	57	7	7	5	85	60	201
18.....	64	59	75	5	2	12	68	59	138
19.....	83	65	77	6	5	3	126	100	312
20.....	69	65	72	7	7	9	54	41	117
21.....	67	61	67	8	5	5	58	49	97
22.....	68	62	71	7	6	5	64	47	102
23.....	66	62	57	7	6	15	72	55	90
24.....	61	51	54	9	6	10	75	36	87
25.....	60	57	69	9	6	14	60	39	81
26.....	61	55	53	11	9	7	48	39	143

TABLE 17

127

NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	TETANUS (037)			POLIOMYELITIS (045;138)			VARICELLA (052)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
27.....	75	61	74	7	5	3	100	64	94
28.....	77	74	60	14	11	5	58	43	126
29.....	62	60	57	11	7	1	40	31	110
30.....	58	54	67	14	10	6	60	35	111
31.....	71	63	66	8	6	9	57	31	132
32.....	59	53	56	11	10	7	31	17	116
33.....	58	50	62	9	6	2	33	22	129
34.....	64	58	58	12	7	2	70	41	136
35.....	60	52	58	7	5	6	30	27	121
36.....	68	55	60	5	4	8	37	34	118
37.....	54	53	59	7	4	2	32	26	131
38.....	57	54	53	11	6	10	46	24	110
39.....	62	61	66	4	3	8	39	31	145
40.....	59	54	54	3	2	4	65	57	63
41.....	59	51	52	9	7	3	65	32	137
42.....	52	49	65	4	2	13	79	58	145
43.....	58	52	45	4	2	5	47	37	121
44.....	53	43	64	6	5	9	70	59	150
45.....	50	41	60	7	5	2	54	36	187
46.....	66	56	74	7	6	13	55	34	140
47.....	49	44	66	9	7	6	47	31	132
48.....	52	36	55	8	6	4	47	34	144
49.....	48	43	60	6	6	8	32	24	132
50.....	49	38	57	6	4	7	47	33	89
51.....	55	44	67	5	3	5	41	30	119
52.....	36	30	39	4	2	2	26	9	107

TABLE 17 NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

W E E K	MEASLES (055)			H - FEVER (061;065)			INFECTIOUS HEPATITIS (070)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
1.....	1204	1109	1260	46	33	129	321	293	500
2.....	1200	1158	1264	34	26	137	309	258	385
3.....	1202	1145	1306	38	32	135	260	230	349
4.....	1289	1244	1283	34	25	143	283	272	315
5.....	1387	1271	1672	32	24	174	304	276	369
6.....	1541	1470	1640	52	31	168	298	273	366
7.....	1560	1485	1648	47	37	119	306	295	376
8.....	1637	1528	1617	53	35	81	302	277	337
9.....	1672	1574	1801	82	46	100	309	260	301
10.....	1874	1565	1649	51	44	50	304	297	376
11.....	1967	1557	1831	46	39	41	324	317	277
12.....	1802	1651	1984	29	24	40	340	306	324
13.....	1764	1503	1718	46	31	25	300	278	251
14.....	1719	1615	1838	25	18	38	326	310	262
15.....	1948	1610	1878	38	30	51	320	245	306
16.....	1929	1511	1845	29	16	21	294	258	300
17.....	1713	1469	1744	54	25	55	250	239	226
18.....	1458	1257	1493	17	14	25	261	252	249
19.....	1498	1129	1921	24	17	32	297	276	355
20.....	1470	1391	1915	24	22	15	291	255	345
21.....	1611	1478	1445	24	20	14	320	305	383
22.....	1519	1403	1482	31	17	10	336	294	428
23.....	1594	1349	1486	23	16	29	293	249	342
24.....	1434	1235	1401	29	25	24	274	252	331
25.....	1147	1033	1406	42	29	23	261	253	328
26.....	1173	949	1359	25	17	35	283	243	380

TABLE 17

NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	MEASLES (055)			H - FEVER (061;065)			INFECTIOUS HEPATITIS (070)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
27.....	1013	755	1306	29	28	48	280	198	380
28.....	1133	1038	1589	58	43	186	322	283	355
29.....	1220	1066	1240	35	23	41	303	282	403
30.....	1119	1006	1058	31	24	41	305	259	271
31.....	1162	962	1107	31	27	205	313	285	372
32.....	1206	1040	1112	42	24	87	318	248	275
33.....	1239	1041	1130	54	37	41	343	279	339
34.....	1227	1032	1170	42	32	44	332	280	320
35.....	1076	932	1202	30	27	37	261	214	305
36.....	1006	715	1119	32	29	53	297	241	280
37.....	1150	1088	1112	43	35	33	335	301	290
38.....	1189	1008	1163	28	26	24	321	271	357
39.....	1117	927	1137	33	26	33	292	247	249
40.....	1165	950	1260	40	30	34	287	261	304
41.....	1215	959	1179	44	31	21	276	229	263
42.....	1085	798	1150	28	24	27	253	201	289
43.....	1141	875	1038	24	21	17	304	227	201
44.....	1190	859	1260	65	44	25	228	177	237
45.....	1224	867	1243	21	17	27	315	225	302
46.....	1248	954	1214	35	29	24	293	256	310
47.....	1083	830	1155	41	30	12	324	281	300
48.....	1010	693	806	44	30	3	249	216	190
49.....	1095	760	893	36	30	15	261	189	167
50.....	953	669	816	62	27	10	233	171	193
51.....	973	669	740	43	25	12	209	181	206
52.....	840	606	716	43	33	7	207	168	206



TABLE 17 NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	BRONCHITIS (466)			PNEUMONIAS (480; 486)			INFLUENZA (487)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
1.....	14855	12471	16009	4152	3635	4245	8256	7696	10517
2.....	13431	10636	15348	3947	3411	3581	8522	7500	10616
3.....	14494	12754	14440	3991	3529	3621	9258	8097	10220
4.....	13879	11627	13977	3993	3568	3728	9683	8714	8681
5.....	14537	13107	17611	4046	3828	4440	9483	7924	11250
6.....	12976	11730	17531	4033	3554	4386	8847	7999	10597
7.....	13488	12854	16982	4007	3444	4497	9070	8082	11041
8.....	13284	11946	15210	3895	3537	4052	8691	8123	10407
9.....	11833	10669	15100	3731	3280	4080	7394	7149	9395
10.....	13507	12626	16877	4325	4153	3941	9644	8569	10545
11.....	13462	12574	14730	3982	3741	4015	8524	7858	10456
12.....	13301	12065	14374	4132	3660	4088	8911	7319	9975
13.....	11703	10885	11001	3792	3426	3349	7846	6551	7924
14.....	12201	11051	2177	3691	3391	3949	9057	7440	10576
15.....	11441	11149	13929	4140	3392	3386	7999	6006	10295
16.....	10885	10765	13367	3808	3475	3625	7557	5942	9704
17.....	9704	9411	12273	3561	2964	3703	7337	7005	7909
18.....	8730	8658	13282	3042	2516	3535	7014	6332	8641
19.....	11431	9592	13498	3615	3223	3729	9301	8418	9936
20.....	11252	10243	14837	3685	3256	3821	9271	8878	10516
21.....	11797	8336	12381	3696	3294	2953	9990	8611	9598
22.....	11387	9089	11534	3784	3354	3306	9968	8352	8709
23.....	13157	11459	13343	3783	2852	3178	10606	9161	10287
24.....	10503	8462	12877	3363	2943	3356	9744	8634	10317
25.....	9814	7766	12629	3469	2832	3214	9359	7739	10735
26.....	7950	6488	11341	3233	2346	2758	8138	6178	9987

TABLE 17

NOTIFIABLE DISEASES: REPORTED CASES & EXPECTED (QUARTILE)  
LIMITS OF OCCURRENCE BY WEEK  
PHILIPPINES  
1988

WEEK	BRONCHITIS (466)			PNEUMONIAS (480-486)			INFLUENZA (487)		
	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988	UPPER LIMIT	LOWER LIMIT	1988
27.....	10141	7881	12082	2598	2348	3177	8388	5459	10330
28.....	11560	11353	18290	3330	3182	4334	10013	9605	15071
29.....	11580	11293	17338	3726	3225	4032	9876	9060	15089
30.....	10645	8066	15885	3774	3123	3782	9969	8716	13239
31.....	11743	9742	18154	4001	3211	4565	10017	7546	15458
32.....	13370	10704	17560	4360	3304	4819	10781	8066	17228
33.....	11333	10060	19303	3623	3018	4826	9462	7616	17911
34.....	11252	9261	19502	3621	2856	4866	9137	7814	17797
35.....	10613	8709	19258	3315	2700	4513	7762	6535	14180
36.....	10287	8276	20180	3727	2914	4931	7441	6407	15170
37.....	13025	11792	13670	4068	3981	4293	8655	7637	13763
38.....	12567	11809	19215	4219	3846	4566	7930	7615	13771
39.....	11385	10766	16550	4062	3977	4086	8115	7405	10757
40.....	10971	10232	17174	3769	3709	5067	8199	7706	12023
41.....	10204	6796	14467	3983	3605	3627	8143	7022	10823
42.....	9597	9062	15939	3680	3373	4360	7350	6486	12359
43.....	10945	10160	13169	3854	3526	3889	7686	6611	8883
44.....	10020	8406	14173	3345	2727	3815	6594	5069	10223
45.....	10827	9101	16624	3879	3340	4220	7562	5682	12371
46.....	13305	11064	15849	3892	3391	4427	9256	7425	13069
47.....	13087	11484	16169	4186	3247	3916	8608	7255	12609
48.....	12973	10825	12410	3437	2834	3053	7772	6369	8127
49.....	14881	11404	11719	3595	2786	3674	8764	6371	7548
50.....	12338	10867	10375	3176	2426	2890	7487	5893	7053
51.....	10906	9819	10315	3322	2785	2946	7338	6554	6883
52.....	9431	8572	8083	2890	2344	2692	6311	5259	5835

TABLE 10

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	TYPHOID AND PARATYPHOID FEVER AND OTHER SALMONELLA INFECTIONS (002 - 003)			
	C A S E S		D E A T H S	
	NUMBER	RATE	NUMBER	RATE
1988.....	15830	27.0	1356	2.3
1987.....	15290	26.7	1121	2.0
1986.....	13764	24.6	1024	1.8
1985.....	15706	28.7	1071	2.0
1984.....	10073	18.9	831	1.6
1983.....	5420	10.4	697	1.3
1982.....	5282	10.4	596	1.2
1981.....	4300	8.7	676	1.4
1980.....	3222	6.6	629	1.3
1979.....	3525	7.6	656	1.4
1978.....	3542	7.8	792	1.7
1977.....	4333	9.6	768	1.7
1976.....	3448	7.9	688	1.6
1975.....	3101	7.3	596	1.4
1974.....	3767	9.1	572	1.4
1973.....	4878	12.1	587	1.5
1972.....	4495	11.5	542	1.4
1971.....	1417	3.7	371	1.0
1970.....	2466	6.7	409	1.1
1969.....	1508	4.1	391	1.1
1968.....	708	2.0	240	0.7

TABLE 18

133

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	DIARRHEAS (004-009)				TUBERCULOSIS, ALL FORMS (010-019; 137)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	624355	1063.3	9155	15.6	183113	311.8	27020	46.0
1987.....	591858	1031.8	9468	16.5	163740	285.5	28697	50.0
1986.....	538849	962.2	9815	17.2	153129	273.4	30604	54.6
1985.....	522762	956.2	11516	21.1	151028	276.3	31650	57.9
1984.....	551560	1036.9	11553	21.7	151867	285.5	27320	51.4
1983.....	275068	529.2	15090	29.0	106300	204.5	28580	55.0
1982.....	221191	435.6	12735	25.1	104715	206.2	28309	55.7
1981.....	239117	482.7	16196	32.7	116182	235.8	27317	55.1
1980.....	199574	413.0	13492	27.9	112307	232.4	28798	59.6
1979.....	217155	466.2	16683	35.8	108813	233.6	28221	60.6
1978.....	210608	462.6	15717	34.5	118587	260.5	28398	62.4
1977.....	209040	464.5	18041	40.1	107108	238.0	31805	70.7
1976.....	299579	524.7	15529	35.5	148057	338.4	31386	71.7
1975.....	202472	476.2	11818	27.8	133537	314.1	29436	69.8
1974.....	245813	592.9	15182	36.6	142250	343.1	31031	74.9
1973.....	277108	689.0	18106	45.0	137106	340.9	26011	64.7
1972.....	258282	661.6	17167	44.0	137038	351.0	29784	76.3
1971.....	135127	356.0	12237	32.2	127942	337.1	26021	68.6
1970.....	210379	570.9	12886	35.0	136035	369.2	29503	80.1
1969.....	245918	661.8	15200	40.9	160854	432.9	28914	77.8
1968.....	179129	499.2	14795	41.2	127339	354.9	29600	82.5

TABLE 18

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	LEPROSY (030)				DIPHTHERIA (032)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	1661	2.8	86	0.1	1202	2.0	186	0.3
1987.....	1766	3.1	63	0.1	1443	2.5	245	0.4
1986.....	1815	3.2	81	0.1	1630	2.9	261	0.5
1985.....	2090	3.8	124	0.2	1669	3.1	316	0.6
1984.....	1798	3.4	68	0.1	1968	3.7	337	0.6
1983.....	1153	2.2	89	0.2	1812	3.5	491	0.9
1982.....	997	2.0	107	0.2	2140	4.2	524	1.0
1981.....	958	1.9	123	0.2	819	1.7	504	1.0
1980.....	886	1.6	137	0.3	1910	4.0	414	0.9
1979.....	690	1.5	131	0.3	1044	2.2	546	1.2
1978.....	489	1.1	137	0.3	1389	3.1	455	1.0
1977.....	504	1.1	137	0.3	2888	6.4	562	1.2
1976.....	614	1.4	122	0.3	3371	7.7	641	1.5
1975.....	504	1.2	97	0.2	1770	4.2	601	1.4
1974.....	624	1.5	97	0.2	2884	7.0	519	1.3
1973.....	484	1.2	65	0.2	3379	8.4	661	1.6
1972.....	616	1.6	97	0.2	3342	8.6	616	1.6
1971.....	691	1.8	74	0.2	1877	4.9	505	1.3
1970.....	218	0.6	70	0.2	1770	4.8	602	1.6
1969.....	464	1.2	93	0.3	1626	4.4	701	1.8
1968.....	513	1.4	84	0.2	1253	3.5	622	1.7

TABLE 18

135

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968 - 1988

WEEK	WHOOPING COUGH (033)				TETANUS (037)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	7814	13.3	14	0.02	3199	5.4	1069	1.8
1987.....	8956	15.4	26	0.05	2910	5.1	1026	1.8
1986.....	16139	28.8	31	0.06	3381	6.0	1034	1.8
1985.....	19628	35.9	45	0.09	3474	6.4	1033	1.9
1984.....	21479	40.4	51	0.1	3353	6.3	924	1.7
1983.....	17380	33.4	68	0.1	2912	5.6	941	1.8
1982.....	15879	31.3	80	0.2	2441	4.8	967	1.9
1981.....	19178	38.7	57	0.1	2242	4.5	913	1.8
1980.....	19844	41.1	98	0.2	3080	6.4	1004	2.1
1979.....	21254	45.6	157	0.3	2905	6.2	1226	2.6
1978.....	15243	33.5	80	0.2	4236	9.3	3471	7.6
1977.....	21403	47.6	111	0.2	5539	12.3	3791	8.4
1976.....	27442	62.7	117	0.3	4745	10.8	4114	9.4
1975.....	28231	66.4	81	0.2	4575	10.8	4244	10.0
1974.....	22042	53.2	58	0.1	4516	10.9	3794	9.2
1973.....	20210	50.2	46	0.1	4486	11.2	3614	9.0
1972.....	26311	67.4	62	0.2	4679	12.0	3640	9.3
1971.....	24269	63.9	52	0.1	3945	10.4	3183	8.4
1970.....	19946	54.1	64	0.2	4206	11.4	3717	10.1
1969.....	25542	68.7	98	0.3	4249	11.4	3782	10.2
1968.....	22250	62.0	101	0.3	4113	11.5	3554	9.9

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968 - 1988

WEEK	ACUTE POLIOMYELITIS (045-138)				VARICELLA (052)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	344	0.6	40	0.07	6767	11.5	12	0.02
1987.....	327	0.6	43	0.07	6336	11.0	15	0.03
1986.....	375	0.7	45	0.08	3121	5.6	4	0.007
1985.....	557	1.0	61	0.1	3844	7.0	10	0.02
1984.....	428	0.8	66	0.1	3409	6.4	11	0.02
1983.....	355	0.7	94	0.2	1850	3.6	15	0.03
1982.....	440	0.9	101	0.2	1506	3.0	22	0.04
1981.....	292	0.6	118	0.2	1176	2.4	20	0.04
1980.....	432	0.9	201	0.4	1112	2.3	23	0.04
1979.....	1054	2.3	353	0.8	1028	2.2	34	0.07
1978.....	835	1.8	185	0.4	1261	2.8	38	0.08
1977.....	1454	3.2	357	0.8	1171	2.6	45	0.1
1976.....	805	1.8	196	0.4	2226	5.1	52	0.1
1975.....	793	1.9	165	0.4	1408	3.3	33	0.08
1974.....	916	2.2	195	0.5	1977	4.8	37	0.09
1973.....	854	2.1	254	0.6	2309	5.7	36	0.09
1972.....	914	2.3	169	0.4	1878	4.8	35	0.09
1971.....	883	2.3	170	0.4	2061	5.4	40	0.1
1970.....	581	1.6	227	0.6	1975	5.4	25	0.07
1969.....	665	1.8	252	0.7	3455	9.3	38	0.1
1968.....	568	1.6	258	0.7	3712	10.3	40	0.1

TABLE 18

137

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	MEASLES (055)				H - FEVER (061-065)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	70801	120.6	7775	13.5	2821	4.8	300	0.5
1987.....	81896	142.8	12431	21.7	1696	3.0	243	0.4
1986.....	59375	106.0	6249	11.2	1623	2.9	191	0.3
1985.....	62959	115.2	8043	14.7	2096	3.8	210	0.4
1984.....	75290	141.5	7987	15.0	2514	4.7	103	0.2
1983.....	43684	84.1	9286	17.9	1684	3.2	305	0.6
1982.....	35989	70.9	7136	14.1	816	1.6	192	0.4
1981.....	27031	54.6	6951	14.0	324	0.7	112	0.2
1980.....	26765	55.4	5191	10.7	627	1.3	103	0.2
1979.....	29230	62.8	5607	12.0	438	0.9	18	0.4
1978.....	27842	61.2	5605	12.3	358	0.8	213	0.5
1977.....	27694	61.5	5293	11.8	729	1.6	224	0.5
1976.....	29901	68.3	5060	11.5	575	1.3	174	0.4
1975.....	28198	66.3	3632	8.5	716	1.7	170	0.4
1974.....	22999	55.5	3533	8.5	665	1.6	153	0.4
1973.....	28568	71.0	4866	12.1	710	1.8	214	0.5
1972.....	15451	39.6	2078	5.3	1570	4.0	83	0.2
1971.....	26492	69.8	3264	8.6	438	1.2	34	0.09
1970.....	20446	55.5	1667	4.5	922	2.5	83	0.2
1969.....	25298	68.1	2515	6.8	1336	3.6	103	0.3
1968.....	19555	54.5	2122	5.9	1116	3.1	115	0.3



TABLE 18

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	INFECTIOUS HEPATITIS (070)				MALARIA (084)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	16125	27.5	825	1.4	114679	195.3	1176	2.0
1987.....	16084	28.0	817	1.4	121097	211.1	1226	2.1
1986.....	14523	25.9	728	1.3	124153	221.7	1156	2.1
1985.....	16022	29.3	607	1.1	121975	223.1	1166	2.1
1984.....	15320	28.8	625	1.2	107485	202.1	923	1.7
1983.....	9549	18.4	653	1.3	55019	105.9	1086	2.1
1982.....	8615	17.0	739	1.5	40496	79.7	985	1.9
1981.....	9943	20.1	660	1.3	44118	89.1	1071	2.2
1980.....	9578	19.8	828	1.7	39678	82.1	1091	2.2
1979.....	8850	19.0	750	1.6	31779	68.2	1142	2.5
1978.....	7172	15.8	813	1.8	35353	77.7	1077	2.4
1977.....	7392	16.4	761	1.7	29955	66.6	974	2.2
1976.....	6815	15.6	772	1.8	35553	81.3	997	2.3
1975.....	4410	10.4	649	1.5	27077	63.7	1018	2.4
1974.....	5977	14.4	635	1.5	27420	66.1	938	2.3
1973.....	6752	16.8	548	1.4	31999	79.6	845	2.1
1972.....	4789	12.3	398	1.0	27090	69.4	656	1.7
1971.....	3568	9.4	304	0.8	25338	66.8	547	1.4
1970.....	3592	9.7	453	1.2	28594	77.6	666	1.8
1969.....	4562	12.3	471	1.3	31756	85.5	860	2.3
1968.....	3458	9.6	428	1.2	28354	79.0	1061	3.0

TABLE 18

139

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	99	0.2	9	0.02	8342	14.2	0	-
1987.....	62	0.1	9	0.02	11361	19.8	0	-
1986.....	69	0.1	8	0.01	11731	20.9	0	-
1985.....	91	0.02	9	0.02	15329	28.0	0	-
1984.....	201	0.4	42	0.08	13806	26.0	0	-
1983.....	102	0.2	16	0.03	13359	25.7	5	0.01
1982.....	114	0.2	11	0.02	13970	27.5	2	0.004
1981.....	59	0.1	4	0.01	6432	13.0	0	-
1980.....	83	0.2	9	0.01	6786	14.0	0	-
1979.....	94	0.2	26	0.06	9288	19.9	0	-
1978.....	60	0.1	16	0.04	8423	18.5	0	-
1977.....	84	0.2	29	0.06	9879	22.0	1	0.002
1976.....	71	0.2	23	0.05	9174	21.0	2	0.004
1975.....	33	0.08	14	0.03	8165	19.2	1	0.002
1974.....	45	0.1	17	0.04	17147	41.4	0	-
1973.....	49	0.1	25	0.06	12600	31.3	0	-
1972.....	94	0.2	76	0.2	10406	26.7	0	-
1971.....	71	0.2	69	0.2	10815	28.5	10	0.03
1970.....	27	0.07	16	0.04	11514	31.2	17	0.05
1969.....	33	0.09	16	0.04	11743	31.6	3	0.008
1968.....	99	0.3	89	0.2	8614	24.0	5	0.01

TABLE 18

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	12273	20.9	301	0.5	290	0.5	0	-
1987.....	13892	24.2	288	0.5	354	0.6	0	-
1986.....	11074	19.8	281	1.0	300	0.5	1	0.002
1985.....	9764	17.9	416	0.8	259	0.5	2	0.004
1984.....	4388	8.2	416	0.8	493	0.9	2	0.004
1983.....	3454	6.6	452	0.9	74	0.1	5	0.01
1982.....	3801	7.5	426	0.8	77	0.2	4	0.01
1981.....	3009	6.1	398	0.8	28	0.06	4	0.01
1980.....	2686	5.6	426	0.9	30	0.06	4	0.01
1979.....	2923	6.3	452	1.0	6	0.01	3	0.006
1978.....	4216	9.3	496	1.1	6	0.01	4	0.009
1977.....	3802	8.4	588	1.3	9	0.02	0	-
1976.....	5094	11.6	642	1.5	62	0.1	5	0.01
1975.....	2643	6.2	523	1.2	30	0.07	4	0.009
1974.....	3482	8.4	535	1.3	226	0.5	0	-
1973.....	3094	7.7	494	1.2	70	0.2	2	0.05
1972.....	2816	7.2	472	1.2	21	0.05	4	0.01
1971.....	4005	10.6	395	1.0	308	0.8	3	0.008
1970.....	3276	8.6	558	1.5	69	0.2	6	0.02
1969.....	2746	7.4	444	1.2	29	0.08	2	0.005
1968.....	2734	7.6	469	1.3	11	0.03	3	0.008

TABLE 18

NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	MALIGNANT NEOPLASMS (140-239)				BRONCHITIS (466)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	28940	49.3	21184	36.1	759511	1293.4	1438	2.4
1987.....	27195	47.4	20367	35.5	642777	1120.6	1814	3.2
1986.....	26985	48.2	18395	32.8	602851	1076.4	1985	3.5
1985.....	24270	44.4	18143	33.2	586427	1072.7	2078	3.8
1984.....	24191	45.5	17700	33.3	606880	1140.9	1764	3.3
1983.....	25838	49.7	17997	34.6	352447	678.1	2052	3.9
1982.....	26867	52.9	16832	33.1	280431	552.2	2250	4.4
1981.....	24777	50.0	16059	32.4	220698	445.5	1476	3.0
1980.....	28905	59.8	16019	33.1	206469	427.3	2756	5.7
1979.....	20213	43.4	15449	33.2	219527	471.3	3219	6.9
1978.....	19865	43.6	14182	31.1	207426	455.6	5929	13.0
1977.....	20730	46.1	13977	31.1	180259	400.5	6347	14.1
1976.....	13439	30.7	13173	30.1	199034	454.9	7142	16.3
1975.....	12531	29.5	12498	29.4	*	*	*	*
1974.....	12757	30.8	12469	30.1	*	*	*	*
1973.....	11556	28.7	11490	28.6	338062	840.6	8782	21.8
1972.....	10490	26.9	10268	26.3	335439	859.2	9250	23.7
1971.....	9606	25.3	9480	25.0	317651	836.8	8199	21.6
1970.....	9660	26.2	9485	25.0	323266	877.3	10263	27.8
1969.....	9310	25.1	9256	25.0	354997	955.4	11700	31.5
1968.....	8810	24.6	8712	24.3	289026	805.5	1197	33.4

\*Bronchitis was not included among the Reported Notifiable diseases as per Department Order No.200 s. 1974.

TABLE 18

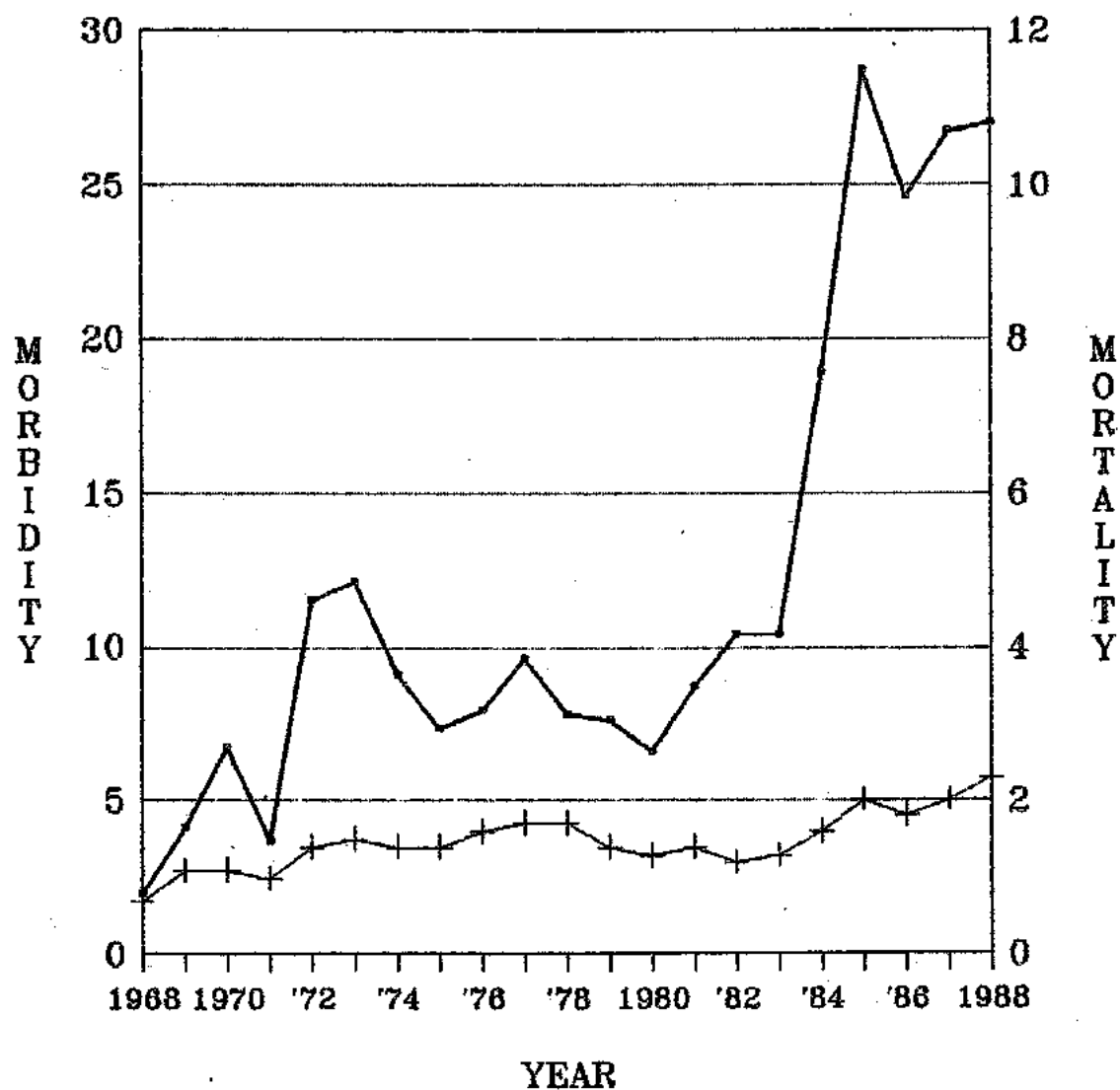
NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968-1988

WEEK	PNEUMONIAS (480-486)				INFLUENZA (487)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	201902	343.8	47444	80.8	576404	981.6	791	1.3
1987.....	183143	319.3	52700	91.9	495161	863.3	1151	2.0
1986.....	190208	339.6	50621	90.4	397715	710.2	1221	2.2
1985.....	205387	375.7	52888	96.7	447550	818.7	1400	2.6
1984.....	193594	363.9	45971	86.4	453926	853.4	1150	2.2
1983.....	123420	237.5	48650	93.6	256534	493.6	1215	2.3
1982.....	106563	209.8	45373	89.3	226237	445.5	1297	2.6
1981.....	123154	248.6	43164	87.1	251200	507.1	2715	5.5
1980.....	117270	242.7	45209	93.6	202884	419.9	1913	4.0
1979.....	126797	272.2	49019	105.2	189126	406.0	1803	3.9
1978.....	113257	248.8	45667	100.3	222064	487.7	1898	4.2
1977.....	104074	231.2	47302	105.1	276399	614.1	2859	6.4
1976.....	111767	255.5	47105	107.7	263118	601.4	2781	6.4
1975.....	96961	228.1	43349	102.0	246057	578.7	2172	5.1
1974.....	93050	224.4	45910	110.7	297474	717.5	2945	7.1
1973.....	93569	232.6	48058	119.5	319955	795.5	2361	5.9
1972.....	95717	245.2	48831	125.1	395185	1012.3	3266	8.4
1971.....	87953	231.7	40526	106.8	193910	510.8	1814	4.8
1970.....	86040	233.5	43573	118.2	388769	1055.0	2639	7.2
1969.....	80109	215.6	44689	120.3	213952	575.8	1586	4.3
1968.....	77861	217.0	43444	121.2	336143	936.8	2310	6.4

# TYPHOID & PARATYPHOID & OTHER SAL. INF.

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



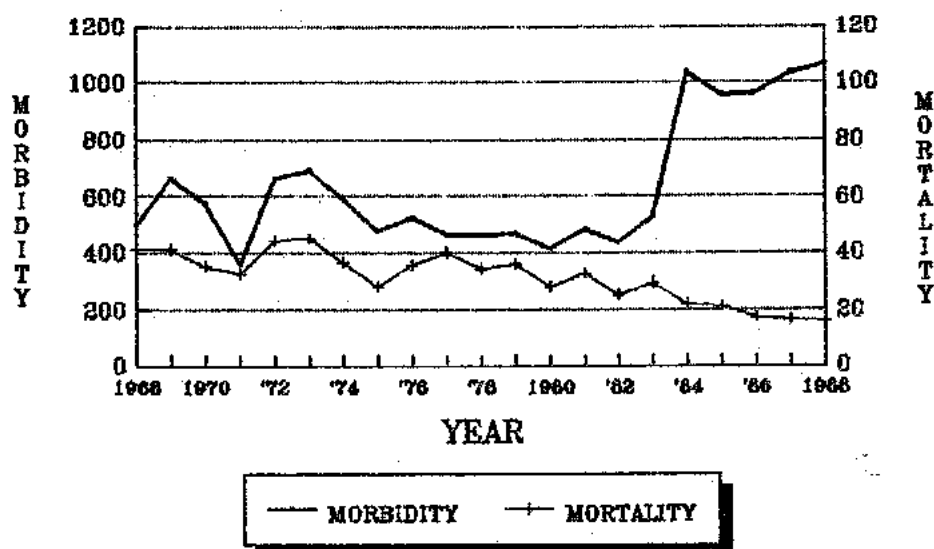
—●— MORBIDITY      —+— MORTALITY

Fig.11

# DIARRHEAS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils, 1968-1988



# TUBERCULOSIS, ALL FORMS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

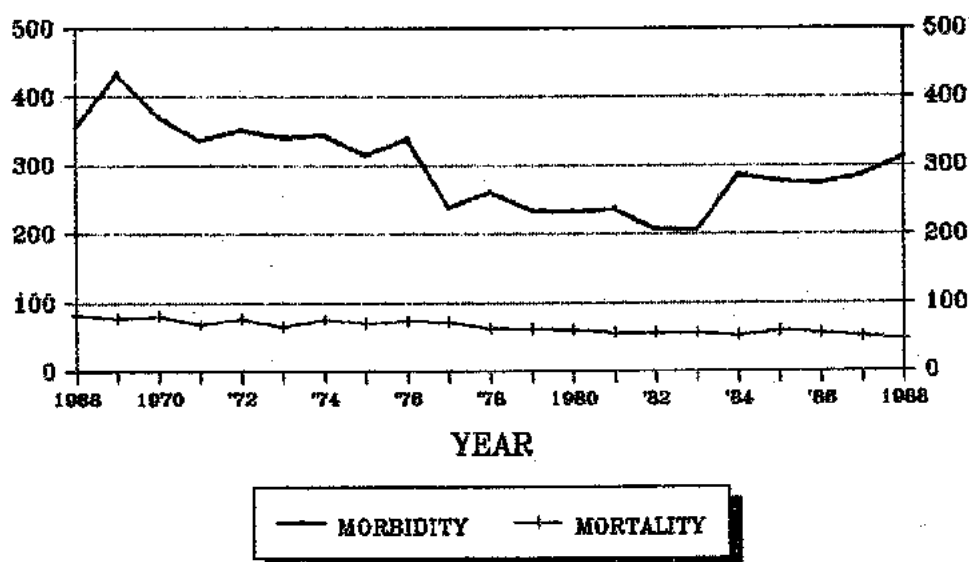
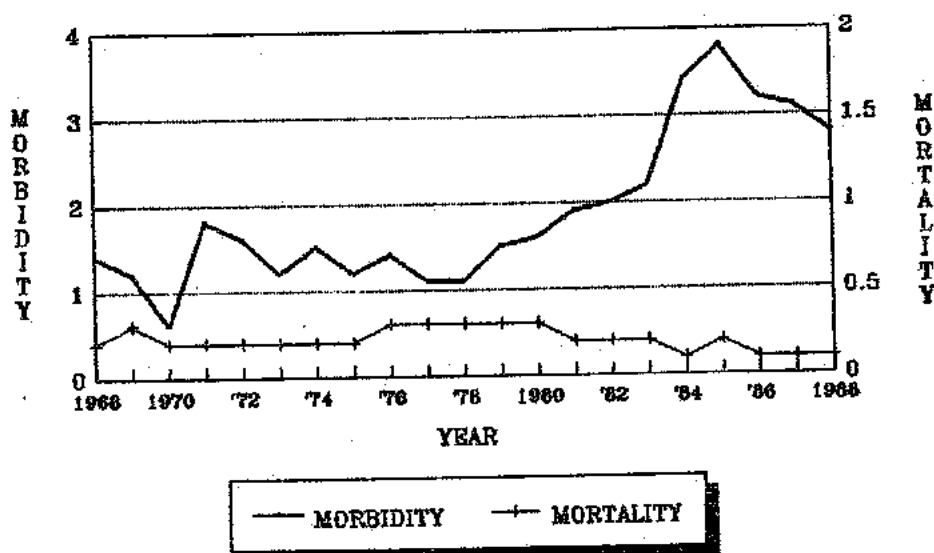


Fig. 12

# LEPROSY

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# DIPHTHERIA

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

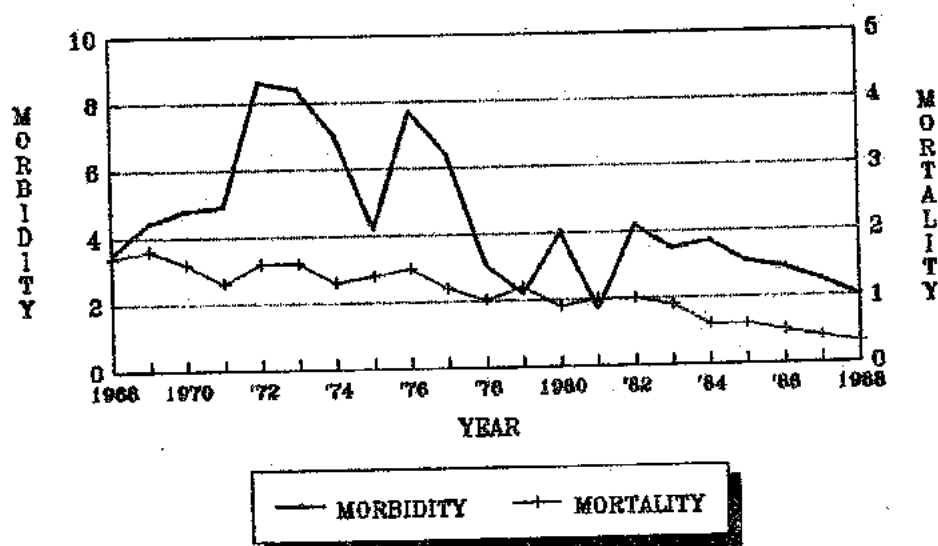
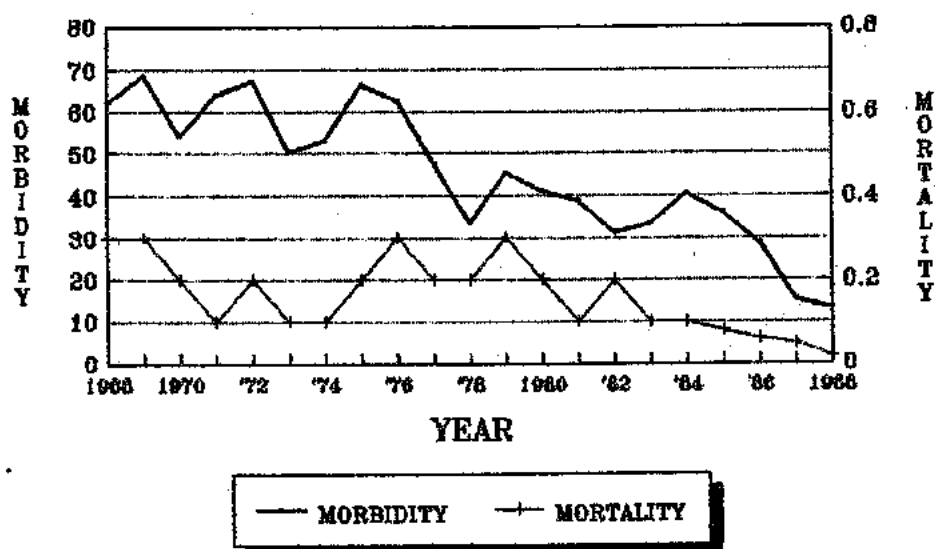


Fig. 13



# **WHOOPING COUGH** **MORBIDITY & MORTALITY TRENDS** Rate per 100,000 Pop., Phils., 1968-88



# **TETANUS** **MORBIDITY & MORTALITY TRENDS** Rate per 100,000 Pop., Phils., 1968-1988

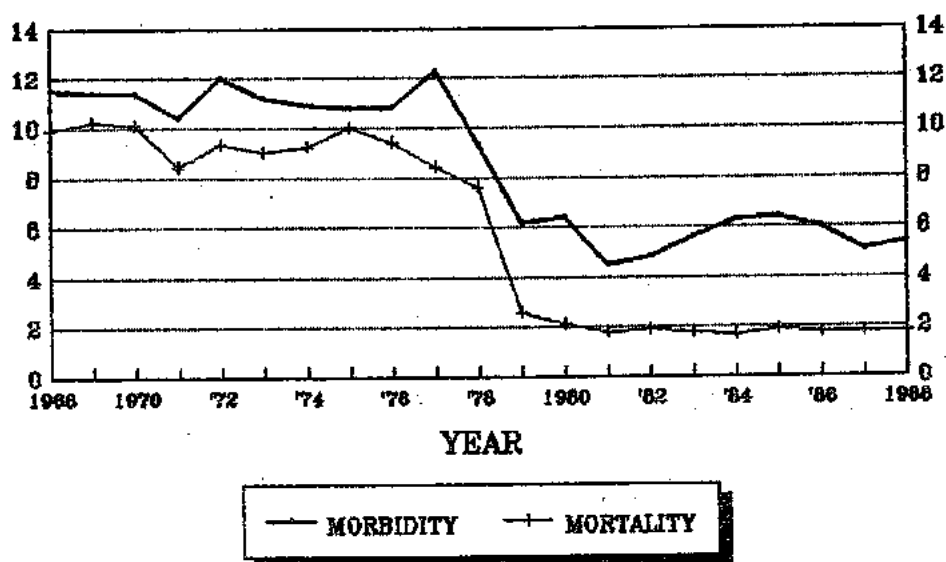
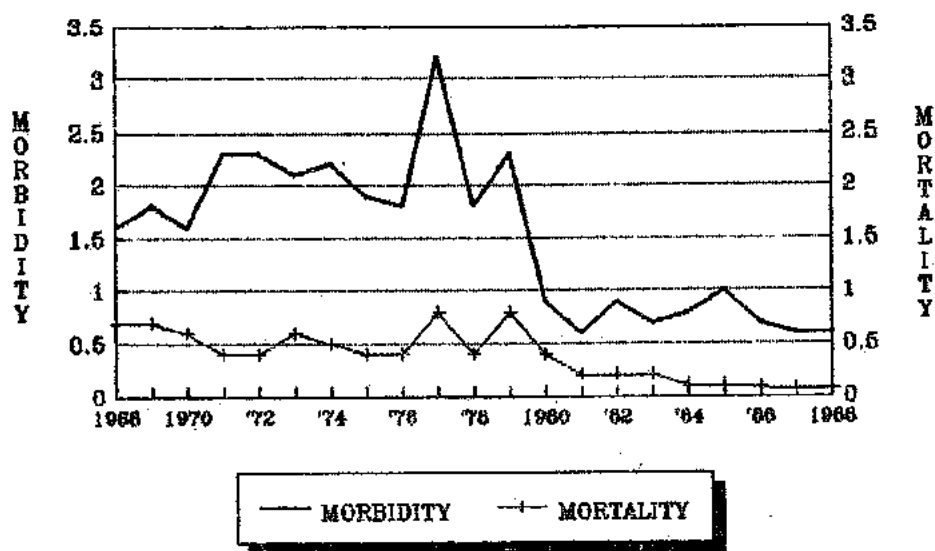


Fig. 14

# ACUTE POLIOMYELITIS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# VARICELLA

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

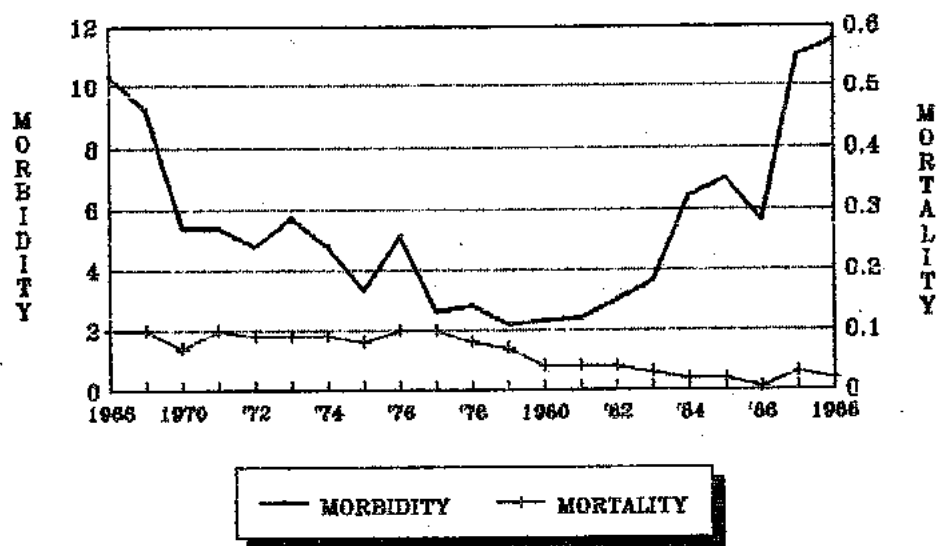
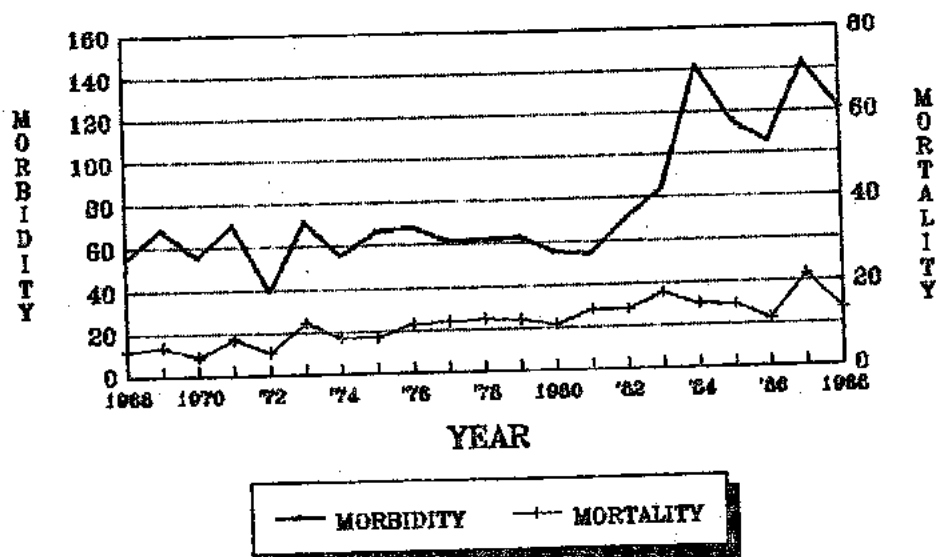


Fig. 15

# MEASLES

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# H-FEVER

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

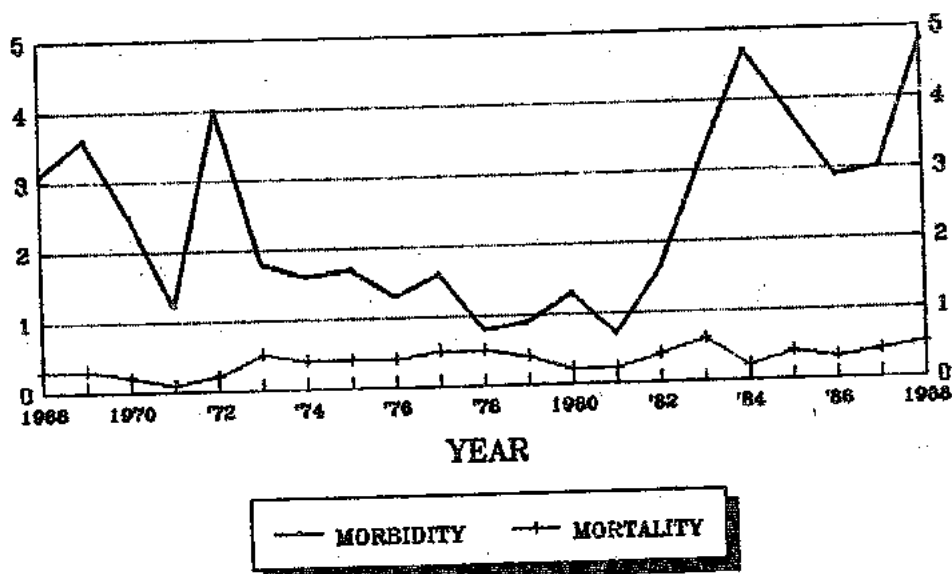
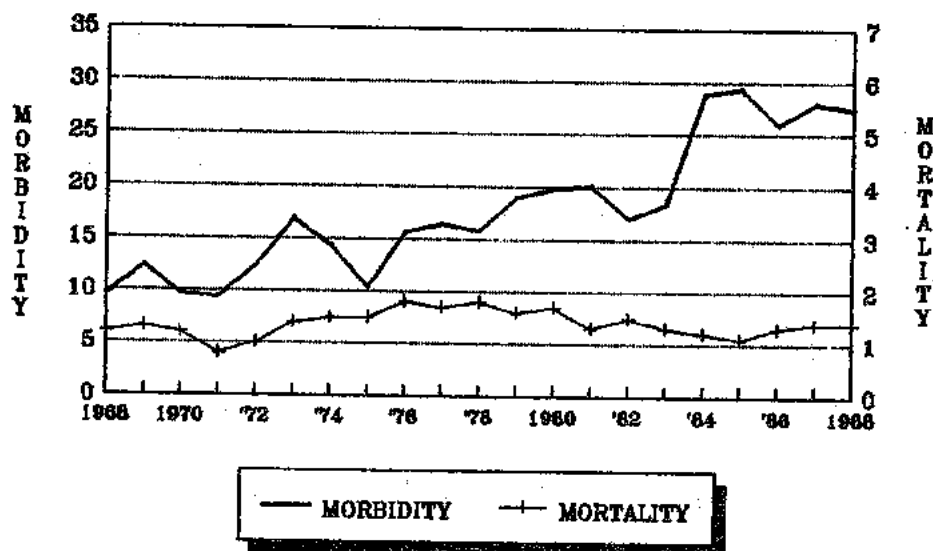


Fig. 16

# INFECTIOUS HEPATITIS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# MALARIA

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

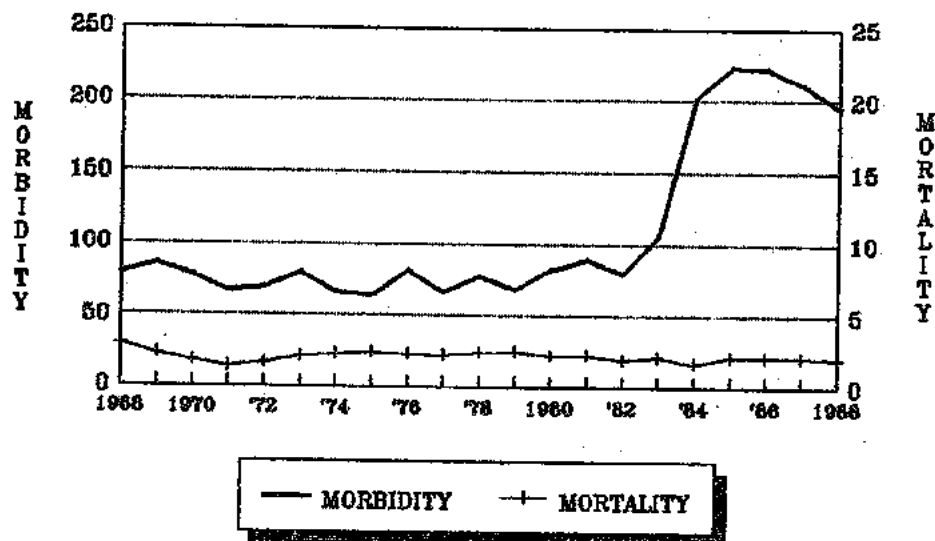
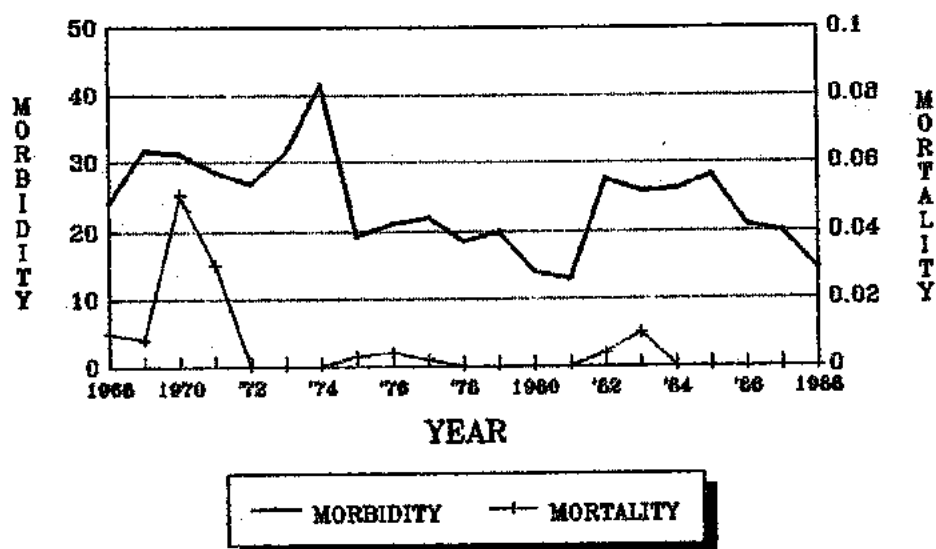


Fig. 17.

# GONOCOCCAL INFECTION

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# SYPHILIS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

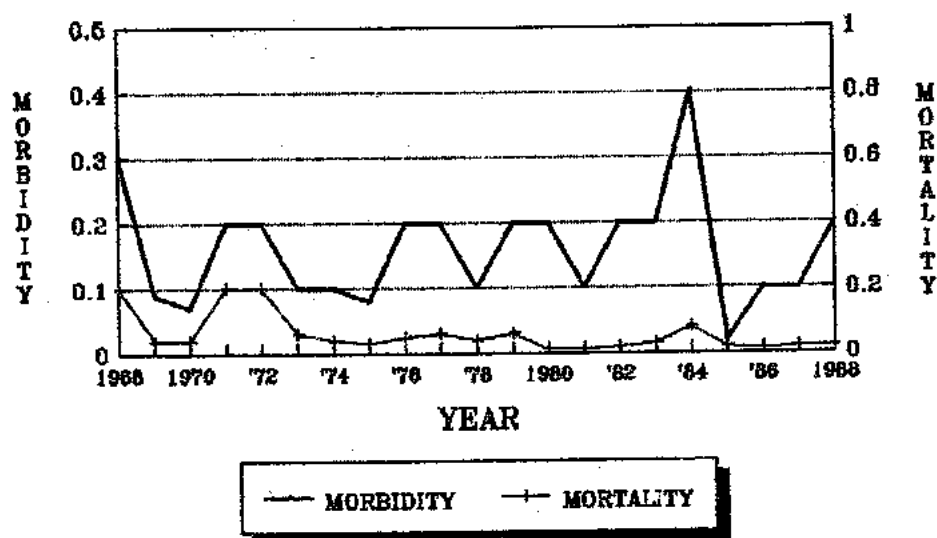
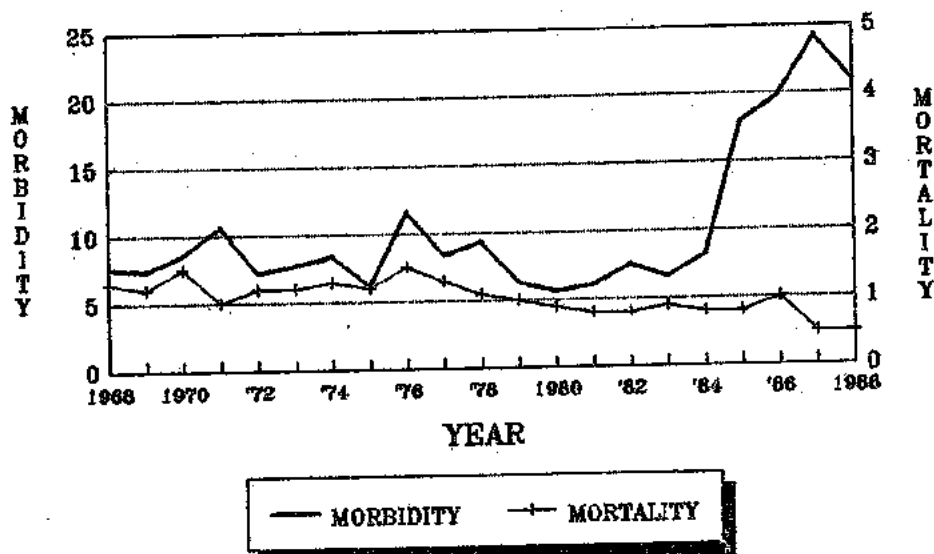


Fig. 18

# SCHISTOSOMIASIS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# FILARIASIS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

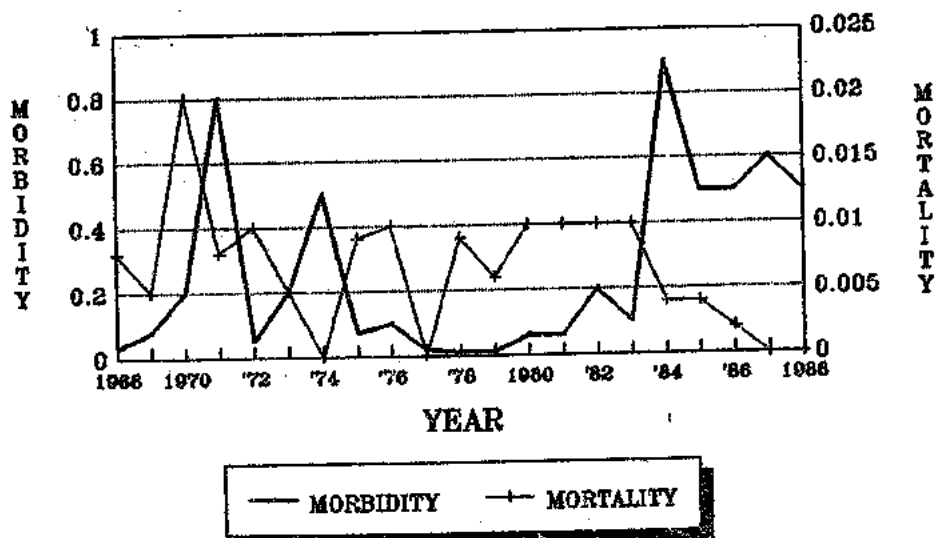
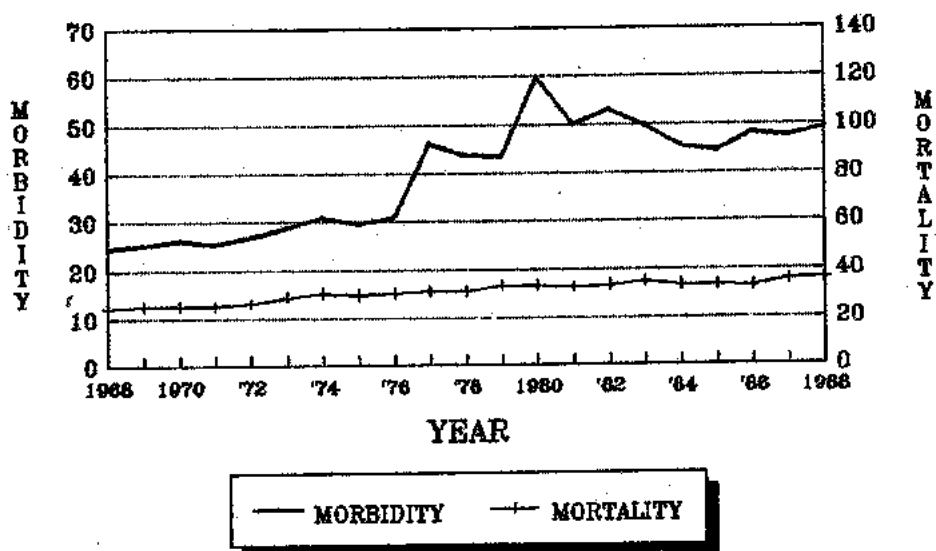


Fig. 19

# **MALIGNANT NEOPLASMS** **MORBIDITY & MORTALITY TRENDS** Rate per 100,000 Pop., Phils., 1968-1988



# **BRONCHITIS** **MORBIDITY & MORTALITY TRENDS** Rate per 100,000 Pop., Phils., 1968-1988

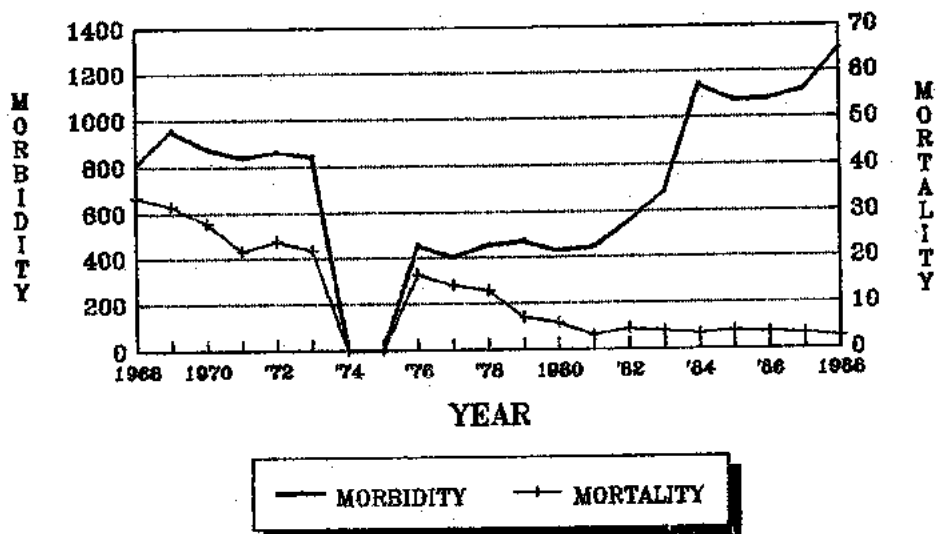
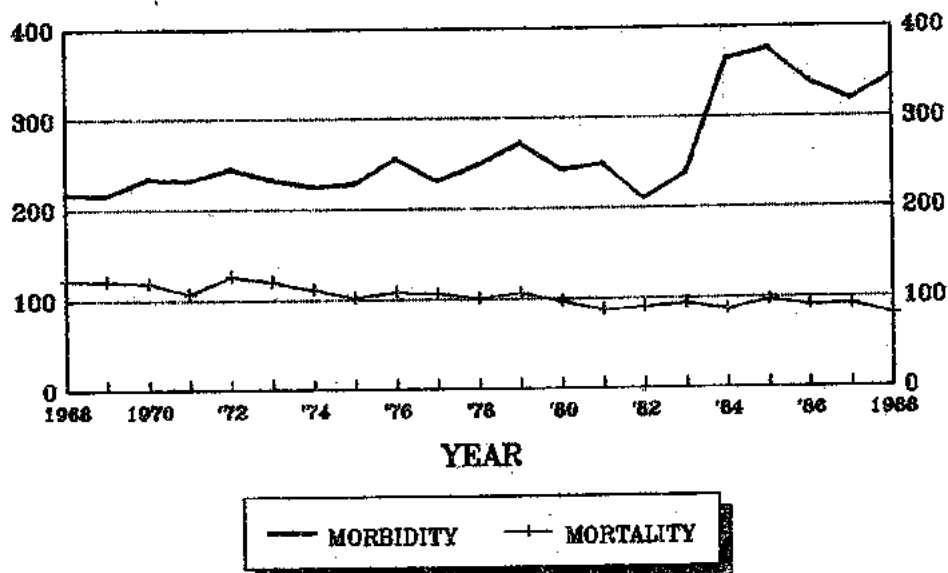


Fig. 20

# PNEUMONIAS

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988



# INFLUENZA

## MORBIDITY & MORTALITY TRENDS

Rate per 100,000 Pop., Phils., 1968-1988

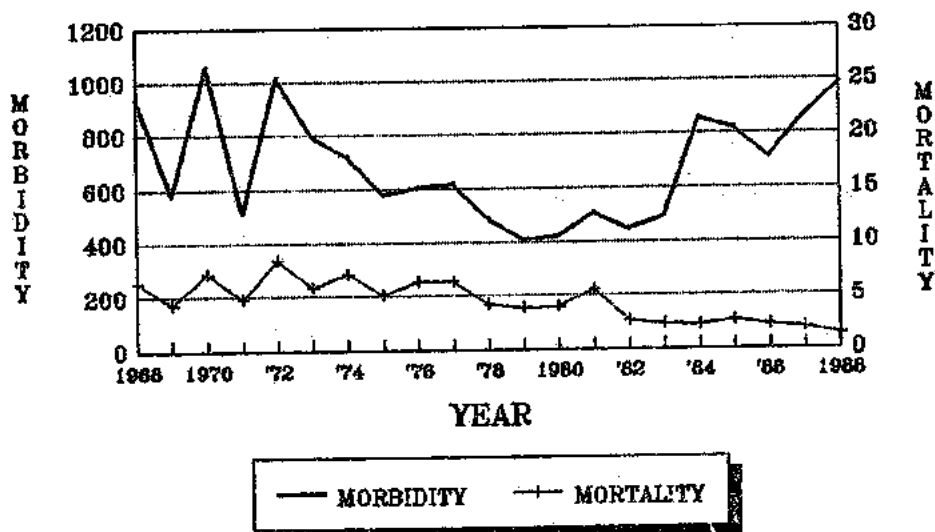


Fig. 21



## MORTALITY STATISTICS

This represents statistical information based on data compiled from the death certificates submitted by the Local Civil Registrars throughout the Philippines to the office of the Civil Registrar General.

A total of 325,098 deaths were registered in 1988. This figure represents a crude death rate of 5.5 per 1,000 population which is lower than that of the previous year 1987 by 0.3 or 5.2%.

Causes of Deaths, 1978 and 1988 - The ten leading causes of deaths, in the 1988 are presented in Table 22. Collectively, they accounted for 207,084 deaths representing 63.7% of deaths from all causes. This group consists of four (4) Communicable Diseases: Pneumonias, Tuberculosis, Diarrheal Diseases and Measles; six (6) non-communicable diseases - Diseases of the Heart, Diseases of the Vascular System, Malignant Neoplasms, Accidents and Nephritis, Nephrotic Syndrome and Nephrosis and Septicemia. The first three (3) leading causes are: - Pneumonias with a rate of 80.8 per 100,000 population representing 14.6% of deaths from all causes, Diseases of the Heart with a rate of 69.1 per 100,000 population representing 12.5% of deaths from all causes and Diseases of the Vascular System with a rate of 53.7 per 100,000 population representing 9.7% of deaths from all causes. Tuberculosis, All Forms and Malignant Neoplasms ranked fourth and fifth with the rate of 46.0 and 36.1 per 100,000 population respectively, while Accidents and Diarrheal Diseases occupied the sixth and seventh positions with the rate of 19.5 and 17.9 per 100,000 population respectively. The last (3) leading causes of mortality in the group are: Measles with a rate of 13.2 per 100,000 population, Nephritis, Nephrotic Syndrome and Nephrosis with a rate of 8.4 per 100,000 population and Septicemia with a rate of 8.0 per 100,000 population.

The leading causes of deaths in 1978 are shown in Table 28 and Figure 28. During this year, Pneumonias was the top leading causes of death with the rate of 100.3 per 100,000 population and Tuberculosis, All Forms ranked second with a rate of 62.4 per 100,000 population while Diseases of the Heart and Diseases of the Vascular System ranked third and fourth position with rates of 56.6 and 41.3 per 100,000 population respectively. The fifth, sixth and seventh positions were occupied by Gastro-enteritis and Colitis with the rate of 34.5, Malignant Neoplasms (31.1) and Accidents (28.1) per 100,000 population. The last three (3) leading causes of mortality were Avitaminoses and Other Nutritional Deficiency, Bronchitis, Emphysema and Asthma and Measles representing a rate of 19.2, 13.0 and 12.3 per 100,000 population.

It is clearly noted that during the ten year period 1978 to 1988, deaths from communicable diseases particularly some of those among the leading causes showed a marked decline. Tuberculosis, All Forms death rate decreased by 16.4 per 100,000 population or 26.3%, Diarrheas dropped by 16.6 per 100,000 population or 48.1% and Pneumonias declined by 19.5 per 100,000 population or 19.4%. On the other hand, the non-communicable diseases have increased considerably. Death rate from Diseases of the Heart increased by 12.5 per 100,000 population or 22.1%; Diseases of the Vascular System and Malignant Neoplasms increased by 12.4 and 5.0 per 100,000 population or 30.0% and 16.1% respectively, while Accidents decreased by 8.6 per 100,000 population or 30.6%.

General Mortality Trend - Table 4 and Figure 4 show the trend of crude death rate for the country from 1938 to 1988. A marked decline in this rate from 16.6 per 1,000 population in 1938 to 5.5 per 1,000 population in 1988 is observed. This represents a decrease in crude death rate of 11.1 or 66.9% over a period of 50 years. A slow and irregular decline in the rate started in 1930 and continued until the outbreak of the last world war. Data on health statistics were not available during the war years. It continued to decrease during the post war years up to the present. An all time low death rate of 5.8 was attained in 1987 followed by a slight increase to 5.9 in 1984. The crude death rate in the country for the past five decades is characterized by the general downward trend with slight troughs from 1938 to 1940 and 1950 to 1953.

Crude Death Rate By Area - Of the thirteen health regions in the country, Region 1 registered the highest crude death rate (6.8 per 1,000 population), while Region 12 had the lowest 2.5. The highest rate among the cities was recorded in Trece Martires City (35.8) and the lowest were recorded in Palayan and Cadiz City (3.0). Camarines Norte topped all the provinces with the rate of 8.4 while Tawi-Tawi and Lanao del Sur got the lowest rate of 0.3 which is due to inadequate registration of deaths.

Mortality By Age - Table 19 shows the death from all causes by age, sex and percentage distribution. The highest percentage of death was recorded for those under 1 year 47,187 or 14.5% of all deaths while those among age group 10-14 years represented the lowest percentage (1.8%). The age specific death rate for age group 70 years and over is the highest 64.5 per 1,000 population followed by death rate for under 1 year (27.3). After a very high death rate in infancy, it decreased continuously as age increase until the minimum level of 0.8 was reached in the age group 10-14 years. After this age, the rate increased again for each successive age group until the peak was reached in the age group 70 years and over.

Mortality By Sex - In 1988, there were 192,044 male deaths and 133,054 female deaths. These figures represent 59.1% and 40.9% of all deaths respectively. The mortality rate for males was 6.5 per 1,000 male population while that of female was 4.6. The death sex ratio is 1.4 male death to 1 female death.

### INFANT MORTALITY

There were 47,187 deaths under 1 year of age registered in 1988. This figure represents 14.5% of all deaths. The infant mortality rate is 30.1 per 1,000 livebirths which is lower by 2.0 from that of the previous years 32.1 per 1,000 livebirths or 6.2%. The infant mortality rate has receded to an all time low for the country in 1987 (32.1).

Infant Mortality By Cause - The ten leading causes of death under 1 year are shown in Table 30. These diseases caused 31,579 infant deaths representing 66.9% of the total infant mortality and 9.7% of the total deaths. Pneumonias, as in the past years, caused the most number of deaths 12,597 represents a rate of 8.0 per 1,000 livebirths and 26.7% of all infant deaths. Respiratory Condition of Fetus and Newborn occupied the second position which caused 6,374 deaths with a rate of 4.1, which represents 13.5% of all infant deaths, while Diarrheal Diseases ranked third with a rate of 2.0 per 1,000 livebirths. The fourth and fifth leading causes were Congenital Anomalies and Avitaminoses and Other Nutritional Deficiency with a rate of 1.5 and 1.0 respectively. Birth Injury and Difficult Labor and Measles occupied the sixth and seventh positions with a rate of 1.0. The last three (3) leading causes were Septicemia (0.8), Acute Bronchitis and Bronchiolitis (0.4) and Meningitis (0.4).

Trend of Infant Mortality - The number and rate of infant deaths from 1938 to 1988 are shown in Table 4. The infant mortality rate in 1938 which was 139.0 per 1,000 livebirths dropped to 30.1 in 1988. This represents a marked decline of 108.9 or 78.3% over a period of 50 years. There were generally a slight yearly decrease in the rates from 1938 to 1988 interrupted by slight increase in 1939 which explains the irregular curve with a marked declining trend. No data were available for the war years (1941-1945) however, the lowest pre-war rate recorded was in 1936, reaching its all time low in 1988 (30.1).

Infant Mortality By Area - Infant mortality rates for different health regions, provinces and cities all over the country are presented in Table 5. Region 6 had the highest rate of 35.4 per 1,000 livebirths while Region 11 had the lowest (19.1). Of the provinces, Sulu registered the highest infant death rate of 73.0 while Tawi-Tawi reported the lowest rate of 5.3 per 1,000 livebirths which maybe due to incomplete registration. Of the

cities. Cotabato City topped the group with a rate of 105.0 per 1,000 livebirths while Bais City had the lowest rate (12.8) per 1,000 livebirths.

Infant Mortality By Age - Of the total 47,187 infant deaths registered in 1988, 20,441 deaths were under 28 days (neonatal deaths) with a rate of 13.0 per 1,000 livebirths and 26,746 were 28 days to under 1 year (post-neonatal deaths) with a rate of 17.1 per 1,000 livebirths. These represents 43.3% and 56.7% of the total infant death respectively. Deaths in the age group 0-6 days totalled 15,338 representing 75.0% of all neonatal deaths while in the age 14-20 days recorded 1,275 deaths representing 6.2% of all neonatal deaths.

Of the post-neonatal deaths, those of age 28-59 days comprised the highest percentage with 4,161 deaths representing a rate of 2.6 per 1,000 livebirths and 8.8% of the total infant mortality. Deaths under 28 days had the rate of 13.0 per 1,000 livebirths while the rate for those 28 days of life to under 1 year was 17.1 per 1,000 livebirths.

Infant Death By Sex - There were more male deaths under 1 year of age than females. The rate for male was 30.9 per 1,000 population while that of the female was 23.6. The infant death sex ratio was 1.3 male death for every 1 female death.

### C. MATERNAL MORTALITY

In 1988, there were 1,745 maternal deaths registered with a rate of 1.1 per 1,000 livebirths. This represents 0.5% of the deaths from all causes. This rate is slightly lower than that of the previous year (1987).

Maternal Mortality By Cause - Hemorrhages consisting of Post-partum Hemorrhage and Hemorrhages related to pregnancy is the major causes of maternal deaths with the combined rates of 0.4 per 1,000 livebirths representing 32.2% of all maternal deaths. Normal Delivery and other complication related to pregnancy occurring in the cause of labor delivery and puerperium registered a rate of 0.3 per 1,000 livebirths and caused 28.3% of all maternal deaths.

Trend of Maternal Mortality - A significant decline in the maternal mortality rate from 1938 to 1988 is shown in Table 4. The 1938 rate of 6.7 went down to as low as 6.3 per 1,000 livebirths in 1940. No data were available during the World War II. The declining trend continued after the war up to 1986 interrupted only by slight increases. The lowest so far recorded was in 1984 (0.9).

Maternal Mortality By Region - Table 5 presents the data on maternal mortality by health region and their corresponding rates (per 1,000 livebirths). Region 5 registered the highest maternal mortality rate of 1.8 while the lowest recorded was that of the National Capital Region and Region 12 which was both 0.7. Of the provinces, Batanes caused the highest rate of 5.7 while Kalinga-Apayao, Tarlac and Lanao del Norte got the lowest rate of 0.2 per 1,000 livebirths.

#### D. FETAL DEATHS

There were 10,641 deaths registered in 1988, representing a fetal death rate of 6.8 per 1,000 livebirths. This figure represents an increase of 3.0% over that of 1987.

Different causes of fetal deaths in the country are shown in Table 33. The first three leading causes are the following: Fetus affected by complications of placenta, cord and membranes (1.4) per 1,000 livebirths; Disorders relating to short gestation and unspecified low birth weight (0.9) per 1,000 livebirths and Fetus affected by other complication of labour and delivery (0.4) per 1,000 livebirths.

National Capital Region had the highest number of registered fetal deaths, 2,486 or 23.4% of all fetal mortality while Region 12 reported the least (39 or 0.4%). The highest regional fetal death rate recorded was in National Capital Region (9.9) per 1,000 livebirths and the lowest were those of Region 12 with a rate of 0.8.

Fetal deaths that were medically attended totalled 6,635 (62.4%) broken down as follows: by physicians 5,053 or 47.5%, by nurse 466 or 4.4% and by midwife 1,116 or 10.5%. A total of 4,006 or 37.6% deaths was not given medical attendance.

Table 37 shows that the highest fetal death rate was observed in the age group 45 years and over, (119.4) per 1,000 livebirths followed by age-group below 15 years with a rate of 18.6 per 1,000 livebirths. Age group 20-24 years had the lowest fetal death rate of 5.4 per 1,000 livebirths. A high fetal death risk was recorded in the first birth order category - 2,286 or 21.5% (Table 37). majority of those deaths were among fetusses with low birth weight as shown in Table 34 (2,000 grams and below).

TABLE 19

159

MORTALITY: ALL CAUSES BY AGE & SEX  
No. & Rate/1,000 Pop. & Percentage Distribution  
PHILIPPINES  
1968

AGE	MALE		FEMALE		TOTAL		
	Number	Rate	Number	Rate	Number	Rate	%
ALL AGES.....	192044	6.5	133054	4.6	325098	5.5	100.0
Under 1 year.....	27335	30.9	19852	23.6	47187	27.3	14.5
1 - 4 yrs.....	17488	5.2	14968	4.7	32456	4.9	10.0
5 - 9 yrs.....	6111	1.6	4864	1.3	10975	1.4	3.4
10 - 14 yrs.....	3155	0.9	2555	0.7	5710	0.8	1.8
15 - 19 yrs.....	5047	1.6	2746	0.9	7793	1.2	2.4
20 - 24 yrs.....	7329	2.6	3071	1.1	10400	1.9	3.2
25 - 29 yrs.....	8158	3.5	3369	1.3	11527	2.3	3.5
30 - 34 yrs.....	7737	3.8	3462	1.6	11199	2.7	3.4
35 - 39 yrs.....	8059	4.7	3752	2.2	11811	3.4	3.6
40 - 44 yrs.....	7665	5.7	3567	2.7	11232	4.2	3.5
45 - 49 yrs.....	8767	8.0	4178	3.9	12945	5.9	4.0
50 - 54 yrs.....	9670	11.7	5201	6.1	14871	8.8	4.6
55 - 59 yrs.....	10108	15.6	5347	7.2	15455	11.1	4.8
60 - 64 yrs.....	11292	21.3	6609	11.7	17901	16.4	5.5
65 - 69 yrs.....	11391	27.6	7777	17.4	19168	22.3	5.9
70 yrs. & Over....	42729	67.9	41731	61.2	84460	64.5	25.9
Not Stated.....	3	-	5	-	8	-	-

# **MORTALITY: ALL CAUSES BY AGE** **Rate per 1,000 Population** **PHILIPPINES, 1988**

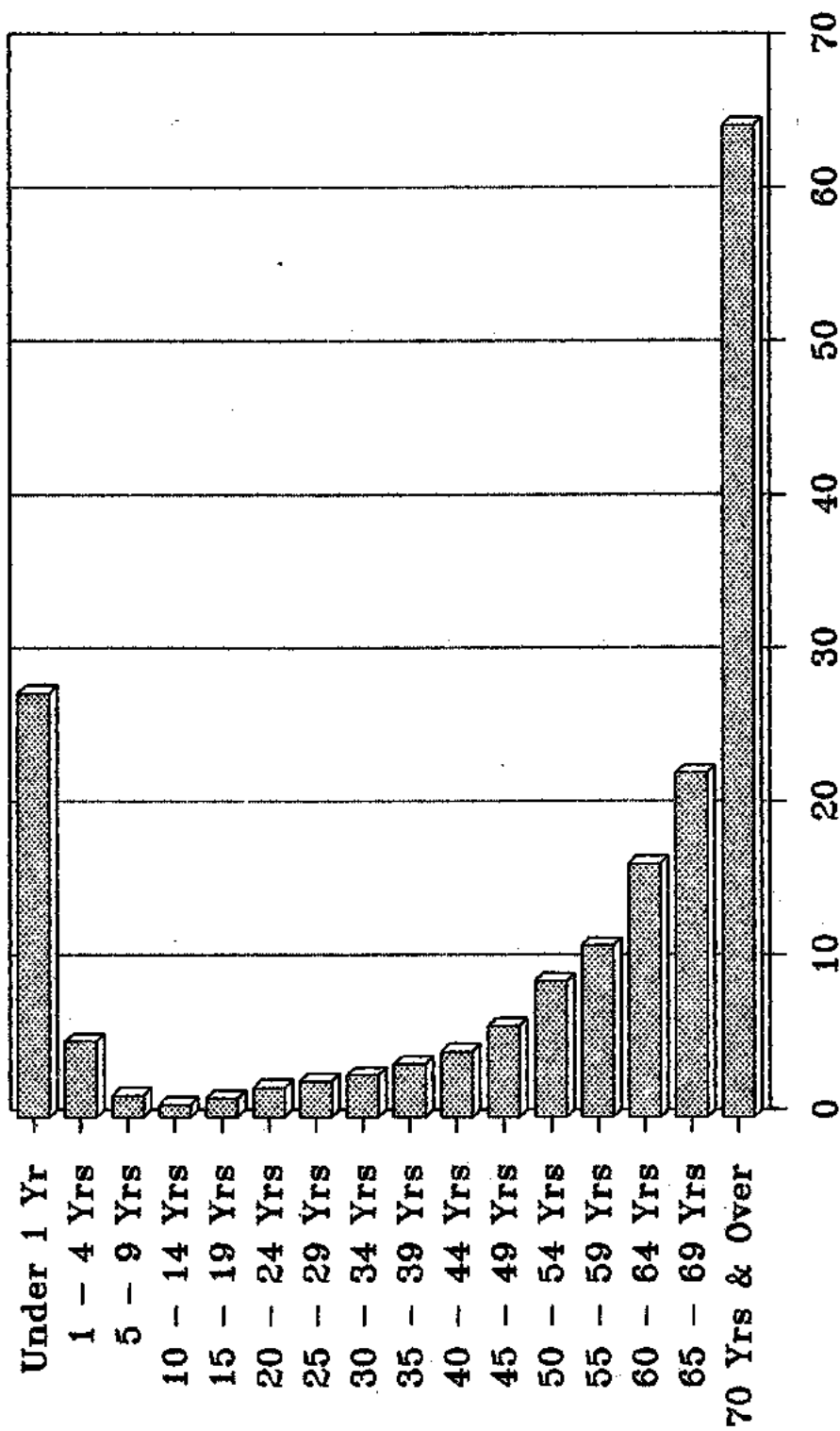


Fig. 22

TABLE 20

161

MORTALITY: ALL CAUSES BY SEX & HEALTH REGION  
 No. & Rate/1,000 Pop. & Percentage Distribution  
 PHILIPPINES  
 1988

A R E A	NUMBER OF DEATHS			Rate	% OF TOTAL DEATHS
	MALE	FEMALE	BOTH SEXES		
PHILIPPINES.....	192044	133054	325098	5.5	100.0
NAT. CAP. REGION.....	29545	19925	49470	6.6	15.2
REGION 1.....	15900	12440	28340	6.7	8.7
REGION 2.....	8975	5987	14962	5.6	4.6
REGION 3.....	18699	13511	32210	5.6	9.9
REGION 4.....	28767	19864	48631	6.4	15.0
REGION 5.....	14536	10738	25274	6.0	7.8
REGION 6.....	18829	12501	31330	5.7	9.6
REGION 7.....	15579	12025	27604	6.2	8.5
REGION 8.....	10092	7188	17280	5.3	5.3
REGION 9.....	5985	3561	9546	3.2	3.0
REGION 10.....	9497	6211	15708	4.5	4.8
REGION 11.....	11118	6540	17658	4.1	5.4
REGION 12.....	4522	2563	7085	2.5	2.2



**MORTALITY: ALL CAUSES BY HEALTH REGION  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988**

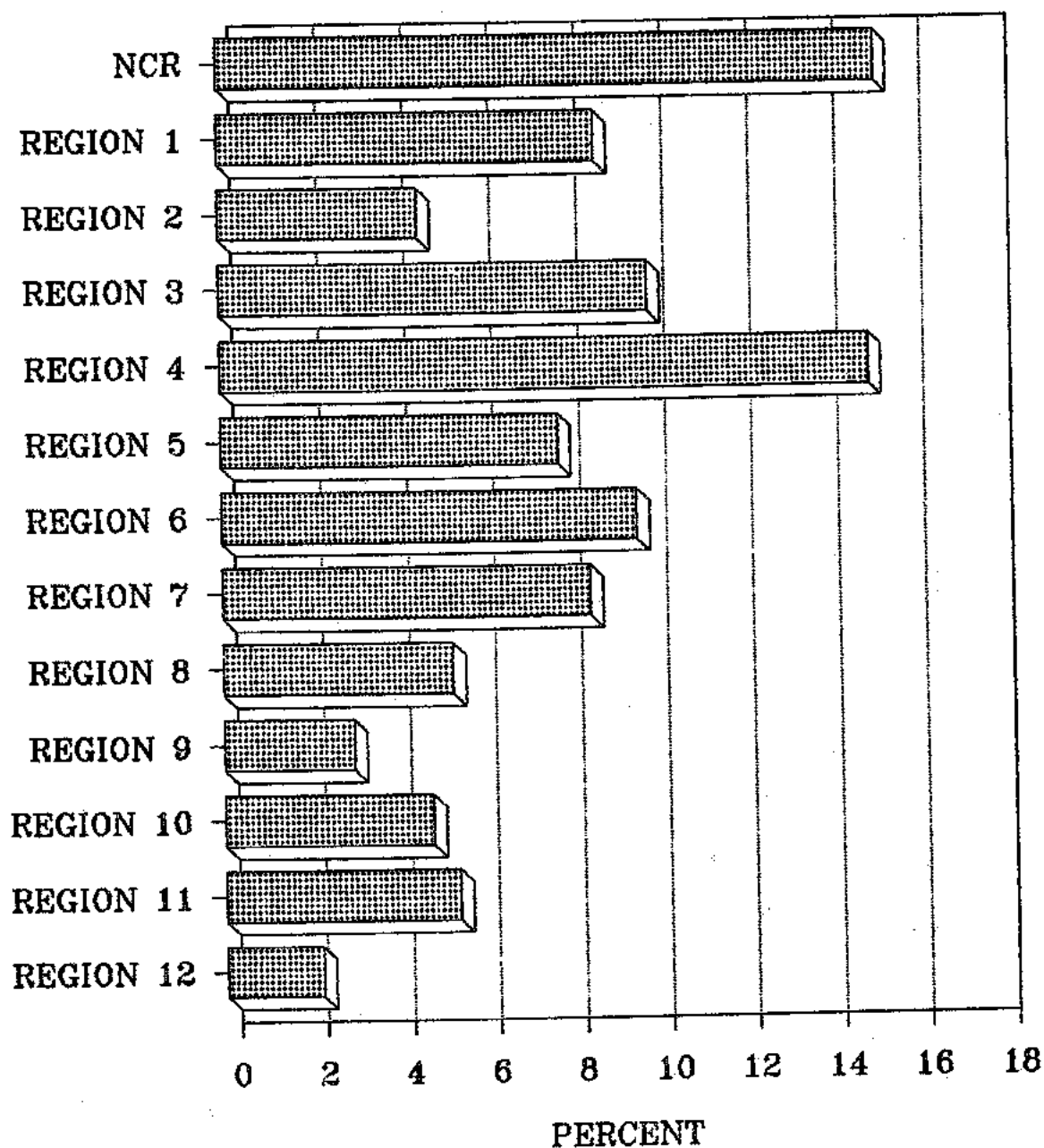


Fig. 23

TABLE 21

163

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION:  
No. & Percentage Distribution  
PHILIPPINES  
1988

A G E G R O U P	NATIONAL CAPITAL REGION ( METRO MANILA )			
	M A L E	F E M A L E	B O T H S E X E S	P E R C E N T
ALL AGES.....	29545	19925	49470	100.0
Under 1 year.....	4690	3416	8106	16.4
1 - 4 yrs.....	2182	1884	4066	8.2
5 - 9 yrs.....	699	494	1193	2.4
10 - 14 yrs.....	367	279	646	1.3
15 - 19 yrs.....	713	423	1136	2.3
20 - 24 yrs.....	1380	530	1910	3.9
25 - 29 yrs.....	1634	581	2215	4.5
30 - 34 yrs.....	1393	608	2001	4.0
35 - 39 yrs.....	1360	602	1962	4.0
40 - 44 yrs.....	1306	598	1904	3.8
45 - 49 yrs.....	1419	685	2104	4.3
50 - 54 yrs.....	1574	917	2491	5.0
55 - 59 yrs.....	1697	942	2639	5.3
60 - 64 yrs.....	1938	1110	3048	6.2
65 - 69 yrs.....	1806	1285	3091	6.3
70 yrs. & Over.....	5387	5370	10957	22.1
Not Stated.....	-	1	1	0.01

TABLE 21

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION  
No. & Percentage Distribution  
PHILIPPINES  
1988

A G E GROUP	REGION 1 ILOCOS NORTE				REGION 2 CAGAYAN VALLEY			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
ALL AGES.....	15900	12440	28340	100.0	8975	5987	14962	100.0
Under 1 year.....	2213	1587	3800	13.4	1513	1072	2585	17.3
1 - 4 yrs.....	1221	1102	2323	8.2	909	767	1676	11.2
5 - 9 yrs.....	418	372	790	2.8	259	236	495	3.3
10 - 14 yrs.....	208	176	384	1.3	163	137	300	2.0
15 - 19 yrs.....	377	207	584	2.1	287	144	431	2.9
20 - 24 yrs.....	514	221	735	2.6	338	144	482	3.2
25 - 29 yrs.....	583	245	828	2.9	377	159	536	3.6
30 - 34 yrs.....	566	253	819	2.9	350	162	512	3.4
35 - 39 yrs.....	589	277	866	3.1	365	167	532	3.5
40 - 44 yrs.....	625	332	957	3.4	351	155	506	3.4
45 - 49 yrs.....	701	352	1053	3.7	368	167	535	3.6
50 - 54 yrs.....	771	427	1198	4.2	443	231	674	4.5
55 - 59 yrs.....	808	441	1249	4.4	452	230	682	4.6
60 - 64 yrs.....	906	576	1482	5.2	498	287	785	5.2
65 - 69 yrs.....	1008	707	1715	6.1	506	286	792	5.3
70 yrs. & Over.....	4392	5165	9557	33.7	1796	1643	3439	23.0
Not Stated.....	-	-	-	-	-	-	-	-

TABLE 21

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION  
No. & Percentage Distribution  
PHILIPPINES  
1988

A G E G R O U P	REGION 3 CENTRAL LUZON				REGION 4 SOUTHERN TAGALOG			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
ALL AGES.....	18699	13611	32210	100.0	28767	19864	48631	100.0
Under 1 year.....	2405	1774	4179	13.0	4294	2996	7290	15.0
1 - 4 yrs.....	1425	1187	2612	8.1	2824	2490	5314	10.9
5 - 9 yrs.....	530	416	946	2.9	892	704	1596	3.3
10 - 14 yrs.....	274	237	511	1.6	455	401	856	1.8
15 - 19 yrs.....	455	254	709	2.2	687	393	1080	2.2
20 - 24 yrs.....	645	303	948	2.9	1026	449	1475	3.1
25 - 29 yrs.....	690	339	1029	3.2	1148	509	1657	3.4
30 - 34 yrs.....	631	320	951	2.9	1211	500	1711	3.5
35 - 39 yrs.....	724	424	1148	3.6	1179	525	1704	3.5
40 - 44 yrs.....	740	385	1125	3.5	1055	481	1536	3.2
45 - 49 yrs.....	808	406	1214	3.8	1227	578	1805	3.7
50 - 54 yrs.....	977	547	1524	4.7	1426	698	2124	4.4
55 - 59 yrs.....	1056	576	1632	5.1	1562	737	2299	4.7
60 - 64 yrs.....	1230	657	1887	5.9	1614	931	2545	5.2
65 - 69 yrs.....	1241	826	2067	6.4	1704	1133	2837	5.8
70 yrs. & Over.....	4868	4860	9728	30.2	6463	6339	12802	26.3
Not Stated.....	-	-	-	-	-	-	-	-

TABLE 21

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION  
 No. & Percentage Distribution  
 PHILIPPINES  
 1988

AGE GROUP	REGION 5 BICOL REGION				REGION 6 WESTERN VISAYAS			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
ALL AGES.....	14536	10738	25274	100.0	18829	12501	31330	100.0
Under 1 year.....	2104	1647	3751	14.8	2317	1619	3936	12.7
1 - 4 yrs.....	1893	1594	3487	13.8	1302	1084	2386	7.6
5 - 9 yrs.....	597	483	1080	4.3	552	400	952	3.0
10 - 14 yrs.....	294	251	545	2.3	306	260	566	1.8
15 - 19 yrs.....	389	243	632	2.5	489	255	744	2.4
20 - 24 yrs.....	453	269	722	2.8	735	269	1004	3.2
25 - 29 yrs.....	530	283	813	3.2	816	306	1122	3.6
30 - 34 yrs.....	451	292	743	2.9	821	293	1114	3.5
35 - 39 yrs.....	486	255	741	2.9	823	338	1161	3.7
40 - 44 yrs.....	488	263	751	3.0	800	324	1124	3.6
45 - 49 yrs.....	551	325	876	3.5	942	406	1348	4.3
50 - 54 yrs.....	642	320	962	3.8	1009	518	1527	4.9
55 - 59 yrs.....	675	389	1064	4.2	1006	510	1516	4.8
60 - 64 yrs.....	829	458	1287	5.1	1026	676	1702	5.4
65 - 69 yrs.....	774	540	1314	5.2	1145	816	1961	6.3
70 yrs. & Over.....	3379	3126	6505	25.7	4739	4423	9162	29.2
Not Stated.....	1	-	1	-	1	4	5	0.01

TABLE 21

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION  
No. & Percentage Distribution  
PHILIPPINES  
1988

AGE GROUP	REGION 7 CENTRAL VISAYAS				REGION 8 EASTERN VISAYAS			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
ALL AGES.....	15579	12025	27604	100.0	10092	7188	17280	100.0
Under 1 year.....	2205	1655	3860	14.0	1152	910	2062	11.9
1 - 4 yrs.....	1423	1193	2616	9.5	1157	999	2156	12.5
5 - 9 yrs.....	527	429	956	3.5	473	409	882	5.1
10 - 14 yrs.....	306	169	475	1.7	194	157	351	2.0
15 - 19 yrs.....	399	184	583	2.1	253	154	407	2.4
20 - 24 yrs.....	498	220	718	2.6	338	162	500	2.9
25 - 29 yrs.....	506	276	782	2.8	364	160	524	3.0
30 - 34 yrs.....	508	287	795	2.9	334	188	522	3.0
35 - 39 yrs.....	575	313	888	3.2	434	187	621	3.6
40 - 44 yrs.....	570	284	854	3.1	411	185	596	3.5
45 - 49 yrs.....	629	388	1017	3.7	439	204	643	3.7
50 - 54 yrs.....	740	490	1230	4.5	513	290	803	4.7
55 - 59 yrs.....	797	471	1268	4.6	523	291	814	4.7
60 - 64 yrs.....	934	672	1606	5.8	662	366	1028	5.9
65 - 69 yrs.....	976	745	1721	6.2	597	443	1040	6.0
70 yrs. & Over.....	3986	4249	8235	29.8	2248	2083	4331	25.1
Not Stated.....	-	-	-	-	-	-	-	-

TABLE 21

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION  
No. & Percentage Distribution  
PHILIPPINES  
1988

A G E G R O U P	REGION 9 WESTERN MINDANAO				REGION 10 NORTHERN MINDANAO			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
ALL AGES.....	5985	3561	9546	100.0	9497	6211	15708	100.0
Under 1 year.....	905	621	1526	16.0	1554	1109	2663	17.0
1 - 4 yrs.....	633	559	1192	12.5	960	831	1791	11.4
5 - 9 yrs.....	208	173	381	4.0	391	296	687	4.4
10 - 14 yrs.....	103	95	198	2.1	176	149	325	2.1
15 - 19 yrs.....	213	89	302	3.1	261	146	407	2.6
20 - 24 yrs.....	270	96	366	3.8	373	160	533	3.4
25 - 29 yrs.....	311	83	394	4.1	406	157	563	3.6
30 - 34 yrs.....	314	116	430	4.5	381	165	546	3.5
35 - 39 yrs.....	294	125	419	4.4	456	211	667	4.2
40 - 44 yrs.....	251	110	361	3.8	382	170	552	3.5
45 - 49 yrs.....	307	114	421	4.4	484	202	686	4.3
50 - 54 yrs.....	292	139	431	4.5	484	239	723	4.6
55 - 59 yrs.....	275	105	380	4.0	465	236	701	4.5
60 - 64 yrs.....	331	153	484	5.1	485	276	761	4.8
65 - 69 yrs.....	321	173	494	5.2	479	341	820	5.2
70 yrs. & Over....	957	810	1767	18.5	1760	1523	3283	20.9
Not Stated.....	-	-	-	-	-	-	-	-

TABLE 21

MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION  
No. & Percentage Distribution  
PHILIPPINES  
1988

A G E GROUP	REGION 11 SOUTHERN MINDANAO				REGION 12 CENTRAL MINDANAO			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
ALL AGES.....	11118	6540	17658	100.0	4522	2563	7085	100.0
Under 1 year.....	1369	985	2354	13.3	614	461	1075	15.2
1 - 4 yrs.....	1086	905	1991	11.3	479	373	846	12.0
5 - 9 yrs.....	408	314	722	4.1	157	138	295	4.2
10 - 14 yrs.....	211	176	387	2.2	98	68	166	2.3
15 - 19 yrs.....	377	187	564	3.2	147	67	214	3.0
20 - 24 yrs.....	548	183	731	4.1	211	65	276	3.9
25 - 29 yrs.....	559	190	749	4.2	234	81	315	4.4
30 - 34 yrs.....	548	194	742	4.2	229	84	313	4.4
35 - 39 yrs.....	539	244	783	4.4	235	84	319	4.5
40 - 44 yrs.....	467	196	663	3.8	219	84	303	4.3
45 - 49 yrs.....	605	259	864	4.9	287	92	379	5.3
50 - 54 yrs.....	574	295	869	4.9	225	90	315	4.4
55 - 59 yrs.....	579	314	893	5.1	213	105	318	4.5
60 - 64 yrs.....	603	331	934	5.3	236	116	352	5.0
65 - 69 yrs.....	614	358	972	5.5	220	124	344	4.9
70 yrs. & Over.....	2031	1409	3440	19.5	723	531	1254	17.7
Not Stated.....	-	-	-	-	1	-	1	0.01



TABLE 22

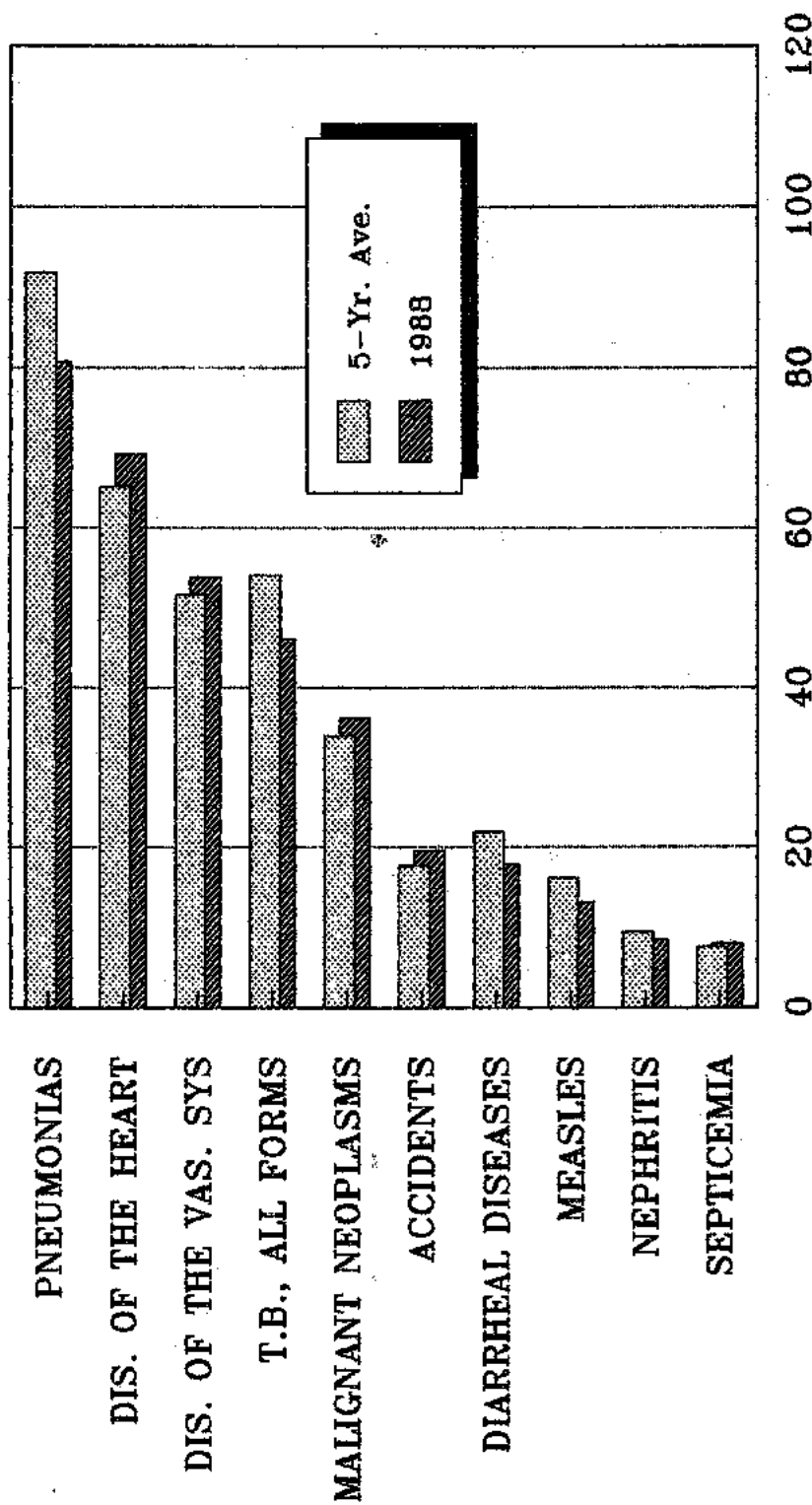
170

MORTALITY: TEN (10) LEADING CAUSES  
 No. & Rate/100,000 Pop.  
 PHILIPPINES  
 5-YEAR AVERAGE (1983-1987) & 1988

C A U S E	5-Year Average (1983-1987)			1 9 8 8		
	NUMBER	RATE	% OF TOTAL DEATHS	NUMBER	RATE	% OF TOTAL DEATHS
1. PNEUMONIAS.....(480-486)	50166	91.8	15.3	47444	80.8	14.6
2. DISEASES OF THE HEART.... 390-398;402-404;410-429)	35582	65.1	10.9	40566	69.1	12.5
3. DISEASES OF THE VASCULAR SYSTEM.....(401;403;405; 430-438;440-448;451-459)	28116	51.5	8.6	31504	53.7	9.7
4. TUBERCULOSIS, ALL FORMS... .....(010-018;137)	29506	54.0	9.0	27020	46.0	8.3
5. MALIGNANT NEOPLASMS..... .....(140-239)	18520	33.9	5.7	21184	36.1	6.5
6. ACCIDENTS..... .....(800-999;E800-E949)	9649	17.7	2.9	11456	19.5	3.5
7. DIARRHEAL DISEASES..... .....(001-009)	11917	21.8	3.6	10511	17.9	3.2
8. MEASLES.....(055)	8799	16.1	2.7	7775	13.2	2.4
9. NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS.. .....(580-589)	5125	9.4	1.6	4930	8.4	1.5
10. SEPTICEMIA.....(038)	4116	7.5	1.3	4694	8.0	1.4

# MORTALITY: TEN (10) LEADING CAUSES

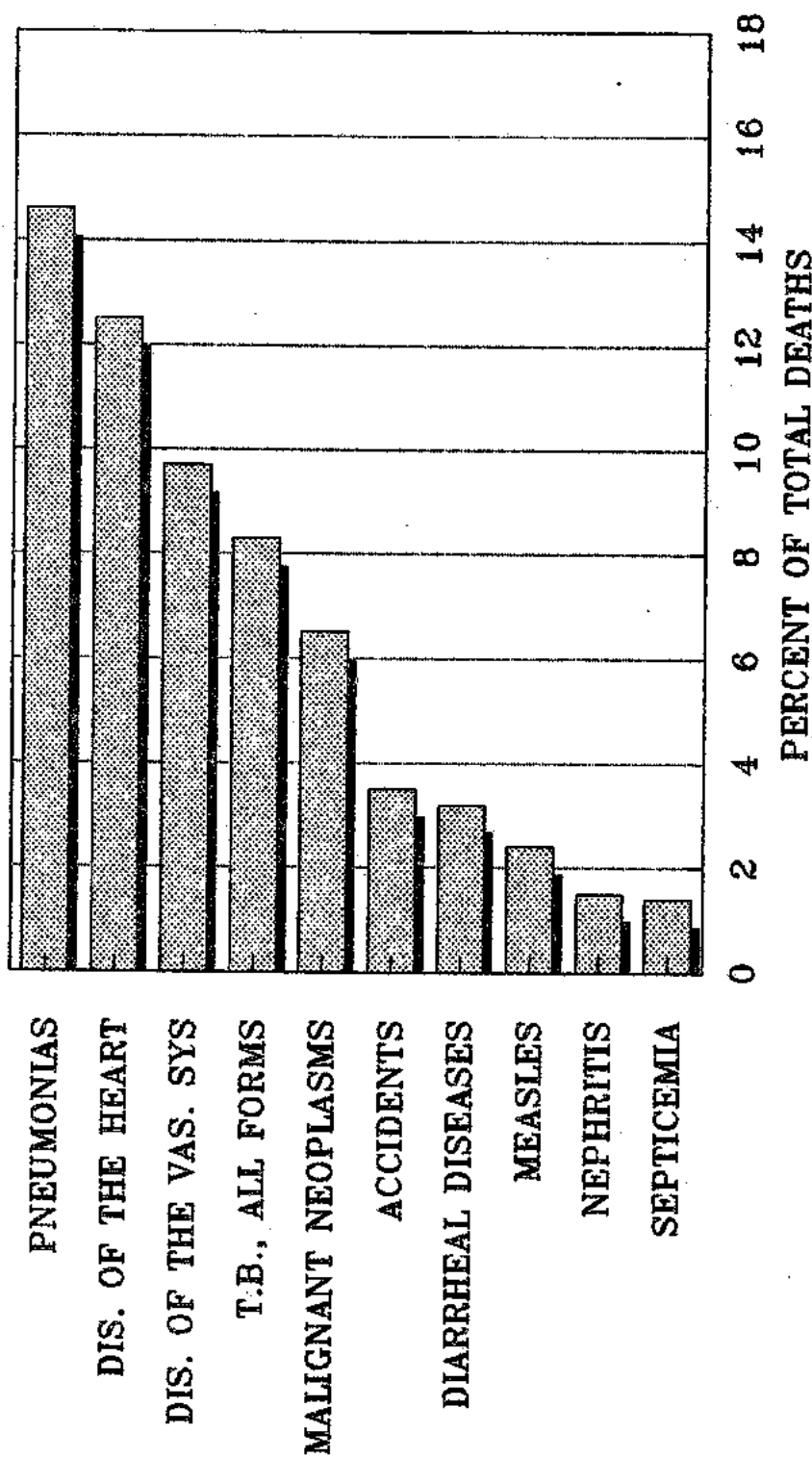
Rate per 100,000 Population  
Phils., 5-Yr. Ave.(1983-1987) & 1988



Nephritis includes Nephrotic Syndrome and Nephrosis

Fig. 24

**TOTAL MORTALITY: TEN (10) LEADING CAUSES  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988**



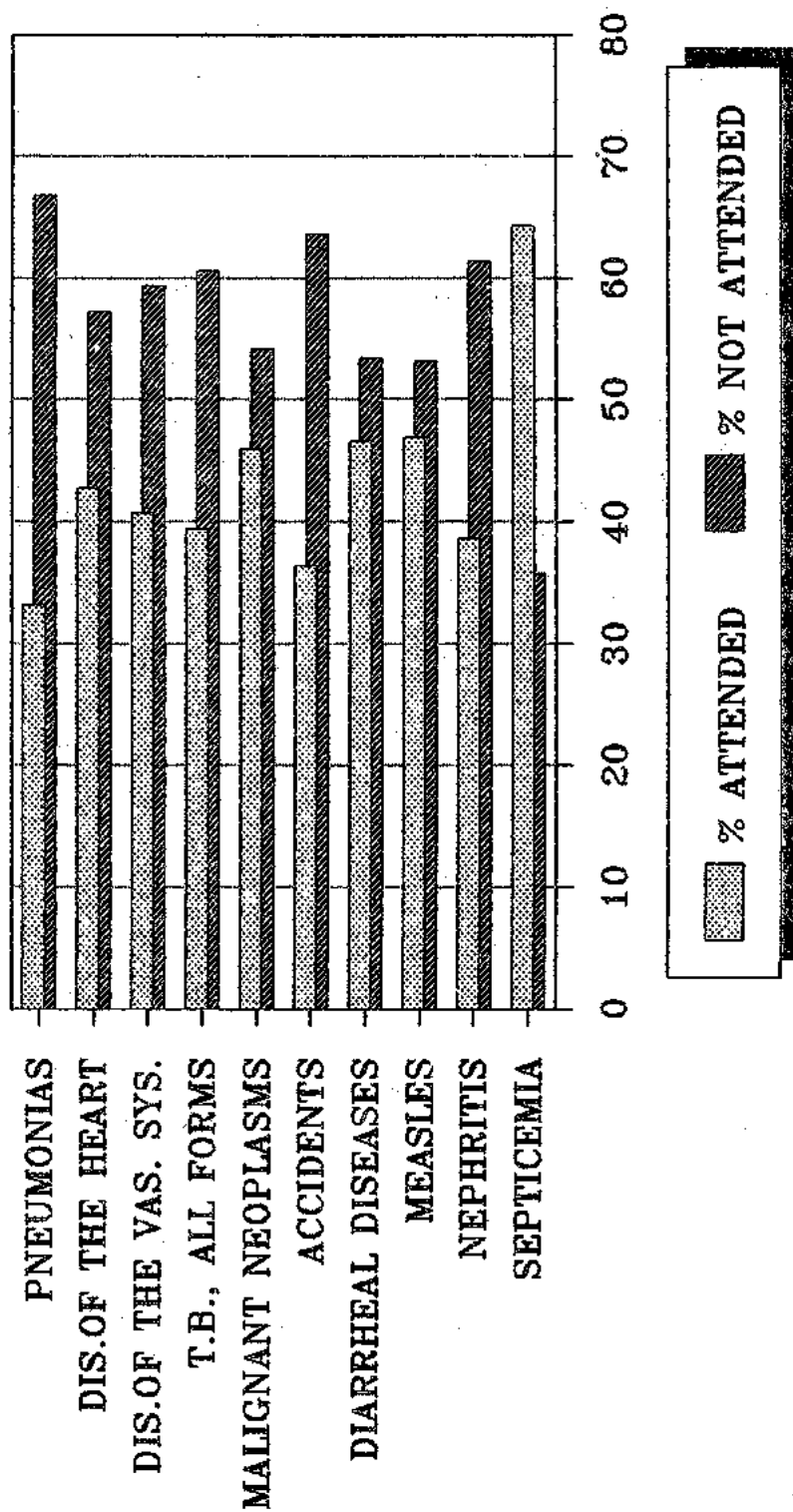
Nephritis includes Nephrotic  
Syndrome and Nephrosis

Fig. 25

MORTALITY: TEN (10) LEADING CAUSES BY ATTENDANCE  
 No. & Percentage Distribution  
 PHILIPPINES  
 1988

C A U S E	TOTAL DEATHS		ATTENDANCE			
			ATTENDED		NOT ATTENDED	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1. PNEUMONIAS.....	47444	100.0	15766	33.2	31678	66.8
2. DISEASES OF THE HEART.....	40566	100.0	17340	42.7	23216	57.3
3. DISEASES OF THE VASCULAR SYSTEM.....	31504	100.0	12820	40.7	18684	59.3
4. TUBERCULOSIS, ALL FORMS.....	27020	100.0	10636	39.4	16384	60.6
5. MALIGNANT NEOPLASMS	21184	100.0	9713	45.9	11471	54.1
6. ACCIDENTS.....	11456	100.0	4165	36.4	7291	63.6
7. DIARRHEAL DISEASES.	10511	100.0	4898	46.6	5613	53.4
8. MEASLES.....	7775	100.0	3005	38.6	4770	61.4
9. NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS.....	4930	100.0	2310	46.9	2620	53.1
10. SEPTICEMIA.....	4694	100.0	3019	64.3	1675	35.7

# **MORTALITY: LEADING CAUSES BY ATTENDANCE PERCENT DISTRIBUTION PHILIPPINES, 1988**



Nephritis includes Nephrotic Syndrome and Nephrosis

Fig. 26

TABLE 24

MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY  
No. & Percentage Distribution  
PHILIPPINES  
1988

175

A R E A	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
PHILIPPINES.....	325098	131883	40.6	193215	59.4
NAT. CAP. REGION.....	49470	30532	61.7	18938	38.3
1ST DIST. MANILA.....	16781	10297	61.4	6484	38.6
2ND DIST. MUN.....	6009	3854	64.1	2155	35.9
QUEZON CITY.....	11412	8481	74.3	2931	25.7
3RD DIST. MUN.....	3429	1444	42.1	1985	57.9
CALOOCAN CITY.....	3515	2002	57.0	1513	43.0
4TH DIST. MUN.....	6515	3478	53.4	3037	46.6
PASAY CITY.....	1809	976	54.0	833	46.0
REGION 1	28340	10201	36.0	18139	64.0
ABRA.....	883	316	35.8	567	64.2
BENGUET.....	886	406	45.8	480	54.2
ILOCOS NORTE.....	2697	992	36.8	1705	63.2
ILOCOS SUR.....	9556	1136	31.9	2420	68.1
LA UNION.....	3987	1431	35.9	2556	64.1
MNT. PROVINCE.....	528	270	51.1	258	48.9
PANGASINAN.....	11252	3012	26.8	8240	73.2
SAGUIO CITY.....	1086	637	58.7	449	41.3
DAGUPAN CITY.....	1904	1106	58.1	798	41.9
LAOAG CITY.....	719	431	59.9	288	40.1
SAN CARLOS CITY.....	842	464	55.1	378	44.9
REGION 2	14962	4793	32.0	10169	68.0
BATANES.....	124	50	40.3	74	59.7
CAGAYAN.....	5775	1750	30.3	4025	69.7
IFUGAO.....	428	197	46.0	231	54.0
ISABELA.....	6138	1928	31.4	4210	68.6
KALINGA-APAYAO.....	539	238	44.2	301	55.8
NEUVA VIZCAYA.....	1420	505	35.6	915	64.4
QUIRINO.....	538	125	23.2	413	76.8
REGION 3	32210	15003	46.6	17207	53.4
BATAAN.....	2303	1224	53.1	1079	46.9
BULACAN.....	8261	4249	51.4	4012	48.6
NUEVA ECIJA.....	4711	1910	40.5	2801	59.5
PAMPANGA.....	5515	2552	46.3	2963	53.7
TARLAC.....	5003	1648	32.9	3355	67.1
ZAMBALES.....	1912	1076	56.3	836	43.7
ANGELES CITY.....	1424	782	54.9	642	45.1
CABANATUAN CITY.....	1343	737	54.9	606	45.1

MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY  
No. & Percentage Distribution  
PHILIPPINES  
1988

A R E A	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
OLONGAPO CITY.....	1100	585	53.2	515	46.8
PALAYAN CITY.....	60	8	13.3	52	86.7
SAN JOSE CITY.....	578	232	40.1	346	59.9
REGION 4	48631	20267	41.7	28364	58.3
AURORA.....	806	206	25.6	600	74.4
BATANGAS.....	6344	1934	30.5	4410	69.5
CAVITE.....	4760	2132	44.8	2628	55.2
LAGUNA.....	6708	2929	43.7	3779	56.3
MARINOUQUE.....	1642	522	31.8	1120	68.2
MINDORO OCC.....	1305	607	46.5	698	53.5
MINDORO OR.....	3437	1187	34.5	2250	65.5
PALAWAN.....	1161	510	43.9	651	56.1
QUEZON.....	9006	3113	34.6	5893	65.4
RIZAL.....	4441	2613	58.8	1828	41.2
ROMBLON.....	1583	670	42.3	913	57.7
BATANGAS CITY.....	1425	633	44.4	792	55.6
CAVITE CITY.....	811	589	72.6	222	27.4
LIPA CITY.....	1156	504	43.6	652	56.4
LUCENA CITY.....	1680	915	54.5	765	45.5
PUERTO PRINCESA CITY.....	487	239	49.1	248	50.9
SAN PABLO CITY.....	1387	609	43.9	778	56.1
TAGAYTAY CITY.....	104	23	22.1	81	77.9
TRECE MARTIRES CITY.....	388	332	85.6	56	14.4
REGION 5	25274	7329	29.0	17945	71.0
ALBAY.....	4726	1134	24.0	3592	76.0
CAMARINES NORTE.....	3298	866	26.7	2972	73.3
CAMARINES SUR.....	6746	1288	19.1	5458	80.9
CATANDUANES.....	1406	534	38.0	872	62.0
MASBATE.....	2194	850	38.7	1344	61.3
SORSOGON.....	3945	1230	31.2	2715	68.8
IRIGA CITY.....	596	173	29.0	423	71.0
LEGASPI CITY.....	1289	639	49.6	650	50.4
NAGA CITY.....	1134	615	54.2	519	45.8
REGION 6	31330	11054	35.3	20276	64.7
AKLAN.....	2538	707	27.9	1831	72.1
ANTIQUE.....	3060	949	31.0	2111	69.0
CAPIZ.....	2402	345	14.4	2057	85.6
ILOILO.....	7650	2463	32.2	5187	67.8
NEGROS OCC.....	6348	1624	25.6	4724	74.4

TABLE 24

MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY  
No. & Percentage Distribution  
PHILIPPINES  
1988

177

A R E A	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
BACOLOD CITY.....	3016	1818	60.3	1198	39.7
BAGO CITY.....	589	132	22.6	451	77.4
CADIZ CITY.....	499	40	9.1	399	90.9
ILOILO CITY.....	2710	1636	60.4	1074	39.6
LA CARLOTA CITY.....	923	134	41.5	189	58.5
LOKAS CITY.....	854	503	58.9	351	41.1
SAN CARLOS CITY.....	710	337	47.5	373	52.5
SILAY CITY.....	697	366	52.5	331	47.5
REGION 7	27604	7772	28.2	19832	71.8
BOHOL.....	5196	580	11.2	4616	88.8
CEBU.....	8629	1257	14.6	7372	85.4
NEGROS OR.....	2551	619	24.3	1932	75.7
SIQUIJOR.....	576	111	19.3	465	80.7
BAIS CITY.....	200	90	45.0	110	55.0
CANLARAN CITY.....	302	24	7.9	278	92.1
CEBU CITY.....	5801	3369	58.1	2432	41.9
DANAO CITY.....	494	108	21.9	386	78.1
DUMAGUETE CITY.....	1026	802	78.2	224	21.8
LAPU-LAPU CITY.....	910	80	8.8	830	91.2
MANDAWA CITY.....	814	141	17.3	673	82.7
TAGBILARAN CITY.....	610	460	75.4	150	24.6
TOLEDO CITY.....	495	131	26.5	364	73.5
REGION 8	17280	4838	28.0	12442	72.0
LEYTE DEL NORTE.....	7946	1679	21.1	6267	78.9
LEYTE DEL SUR.....	2046	623	30.4	1423	69.6
EASTERN SAMAR.....	983	335	34.1	648	65.9
NORTHERN SAMAR.....	2072	552	26.6	1520	73.4
WESTERN SAMAR.....	1206	340	28.2	866	71.8
CALBAYOG CITY.....	668	170	25.4	498	74.6
ORMOC CITY.....	723	367	50.8	356	49.2
TACLOBAN CITY.....	1636	772	47.2	864	52.8
REGION 9	9546	4141	43.4	5405	56.6
BASILAN.....	531	247	46.5	284	53.5
SULU.....	696	590	84.8	106	15.2
TAWI-TAWI.....	78	24	30.8	54	69.2
ZAMB. DEL NORTE.....	1518	353	23.3	1165	76.7
ZAMB. DEL SUR.....	2346	728	31.0	1618	69.0



MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY  
No. & Percentage Distribution  
PHILIPPINES  
1988

A R E A	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
DAPITAN CITY.....	377	175	46.4	202	53.6
DIPOLOG CITY.....	571	340	59.5	231	40.5
PAGADIAN CITY.....	864	478	55.3	386	44.7
ZAMBOANGA CITY.....	2565	1206	47.0	1359	53.0
REGION 10	15708	5225	33.3	10483	66.7
AGUSAN DEL NORTE.....	1031	282	27.4	749	72.6
AGUSAN DEL SUR.....	1021	291	28.5	730	71.5
BUKIDNON.....	2183	850	38.9	1333	61.1
CAMIGUIN.....	384	108	28.1	276	71.9
MISAMIS OCC.....	1324	209	15.8	1115	84.2
MISAMIS OR.....	2024	305	15.1	1719	84.9
SURIGAO DEL NORTE.....	1248	200	16.0	1048	84.0
BUTUAN CITY.....	1518	686	45.2	832	54.8
CAGAYAN DE ORO.....	2095	1077	51.4	1018	48.6
GINGOGG CITY.....	648	254	39.2	394	60.8
OROQUIETA CITY.....	461	232	50.3	229	49.7
OZAMIS CITY.....	783	321	41.0	462	59.0
SURIGAO CITY.....	675	352	52.1	323	47.9
TANGUB CITY.....	313	58	18.5	255	81.5
REGION 11	17658	7412	42.0	10246	58.0
COTABATO SOUTH.....	2523	1276	50.6	1247	49.4
DAVAO ORIENTAL.....	3967	1262	31.8	2705	68.2
DAVAO DEL NORTE.....	1188	387	32.6	801	67.4
DAVAO DEL SUR.....	2133	671	31.5	1462	68.5
SURIGAO DEL SUR.....	2447	1029	42.0	1419	58.0
DAVAO CITY.....	4068	2232	54.9	1836	45.1
GEN. SANTOS CITY.....	1332	556	41.7	776	58.3
REGION 12	7085	3316	46.8	3769	53.2
LANAO DEL NORTE.....	1585	495	31.2	1090	68.8
LANAO DEL SUR.....	1074	457	42.6	617	57.4
MAGUINDANAO.....	107	51	47.7	56	52.3
NORTH COTABATO.....	276	94	34.1	182	65.9
SULTAN KUDARAT.....	1087	468	43.1	619	56.9
COTABATO CITY.....	1143	903	78.7	245	21.3
ILIGAN CITY.....	1608	662	41.2	946	58.8
MARAWI CITY.....	200	186	93.0	14	7.0

TABLE 25

179

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1963

C A U S E	ALL AGES			
	MALE	FEMALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers.....(002)	773	573	1346	2.3
Other salmonella infections.....(003)	5	5	10	0.02
Shigellosis and amoebiasis (Dysentery, All Forms).....(004;006)	505	372	877	1.5
Other food poisoning (Bacterial).....(005)	128	71	199	0.3
Other intestinal infectious diseases..... .....(007;008)	13	14	27	0.05
Diarrheas.....(009)	4616	3436	8052	13.7
Tuberculosis of the respiratory system.....(010-012)	16785	9560	26345	44.9
Tuberculosis of meninges & CNS.....(013)	248	174	422	0.7
Other tuberculosis, including late effects.....(014-018;137)	144	109	253	0.4
Plague.....(020)	0	0	0	-
Leprosy.....(030)	60	26	86	0.1
Diphtheria.....(032)	111	75	186	0.3
Whooping cough.....(033)	5	9	14	0.02
Streptococcal sore throat.....(034)	1	3	4	0.007
Meningococcal infection.....(036)	41	46	87	0.1
Tetanus.....(037)	747	322	1069	1.8
Septicemia.....(038)	2617	2077	4694	8.0
All other diseases caused by bacteria..... .....(021-027;031;035;039-041)	115	96	211	0.4
Acute poliomyelitis including late effects.....(045;138)	24	16	40	0.07
Smallpox.....(050)	0	0	0	-
Chickenpox.....(052)	0	12	12	0.02
Measles.....(055)	4076	3699	7775	13.2
Yellow Fever.....(060)	0	0	0	-
Dengue-hemorrhagic fever.....(061;065)	159	141	300	0.5
Arthropod-borne viral encephalitis including late effects.....(062-064;139)	11	6	17	0.03
Viral hepatitis.....(070)	523	302	825	1.4
Rabies.....(071)	280	158	438	0.7
Other viral diseases..... .....(046-049;051-054;056;057;066;072-079)	131	82	213	0.4
Malaria.....(084)	770	406	1176	2.0
Other arthropod-borne diseases.....(080-083;085-088)	21	16	37	0.06
Syphilis.....(090-097)	2	7	9	0.01
Gonococcal Infections.....(098)	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	UNDER 1 YEAR				1 - 4 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	29	19	48	2.8	55	46	101	1.5
Other salmonella infections....	0	1	1	0.06	2	0	2	0.03
Shigellosis and amoebiasis (Dysentery, All Forms).....	149	109	258	15.0	139	99	238	3.6
Other food poisoning (Bacterial).....	3	3	6	0.3	31	22	53	0.8
Other intestinal infectious diseases.....	5	3	8	0.5	4	5	9	0.1
Diarrheas.....	1617	1174	2791	161.8	1502	1114	2616	39.8
Tuberculosis of the respiratory system.....	0	0	0	-	0	0	0	-
Tuberculosis of meninges & CNS.	13	18	31	1.8	58	52	110	1.7
Other tuberculosis, including late effects.....	6	0	6	0.3	6	3	9	0.1
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	2	0	2	0.1	1	0	1	0.02
Diphtheria.....	26	14	40	2.3	65	39	104	1.6
Whooping cough.....	4	4	8	0.5	1	4	5	0.08
Streptococcal sore throat.....	0	0	0	-	0	1	1	0.02
Meningococcal infection.....	9	12	21	1.2	13	10	23	0.4
Tetanus.....	127	88	215	12.5	44	35	79	1.2
Septicemia.....	715	467	1182	68.5	345	249	594	9.0
All other diseases caused by bacteria.....	46	33	79	4.6	27	31	58	0.9
Acute poliomyelitis including late effects.....	1	1	2	0.1	2	4	6	0.09
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	2	2	0.1	0	4	4	0.06
Measles.....	869	678	1547	89.7	2532	2311	4843	73.7
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	22	29	51	3.0	42	42	84	1.3
Arthropod-borne viral encephalitis including late effects.....	0	1	1	0.06	1	2	3	0.05
Viral hepatitis.....	37	34	71	4.1	21	15	36	0.5
Rabies.....	3	5	8	0.5	23	16	39	0.6
Other viral diseases.....	27	13	40	2.3	36	13	49	0.7
Malaria.....	29	23	52	3.0	50	48	98	1.5
Other arthropod-borne diseases.	5	2	7	0.4	7	7	14	0.2
Syphilis.....	0	2	2	0.1	0	1	1	0.02
Gonococcal Infections.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

181

C A U S E	5 - 9 YEARS				10 - 14 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	54	54	108	1.4	43	48	91	1.3
Other salmonella infections...	3	0	3	0.04	0	0	0	-
Shigellosis and amoebiasis (Dysentery, All Forms).....	56	51	107	1.4	18	12	30	0.4
Other food poisoning (Bacterial).....	23	15	38	0.5	6	12	18	0.3
Other intestinal infectious diseases.....	0	1	1	0.01	1	1	2	0.03
Diarrheas.....	475	301	776	10.1	145	73	218	3.1
Tuberculosis of the respiratory system.....	0	0	0	-	0	0	0	-
Tuberculosis of meninges & CNS.	50	26	76	1.0	23	13	36	0.5
Other tuberculosis, including late effects.....	6	4	10	0.1	9	7	16	0.2
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	0	0	0	-	1	0	1	0.01
Diphtheria.....	13	18	31	0.4	4	1	5	0.07
Whooping cough.....	0	1	1	0.01	0	0	0	-
Streptococcal sore throat.....	0	1	1	0.01	0	0	0	-
Meningococcal infection.....	5	7	12	0.2	5	2	7	0.1
Tetanus.....	101	34	135	1.7	92	22	114	1.6
Septicemia.....	152	86	238	3.1	84	69	153	2.2
All other diseases caused by bacteria.....	11	5	16	0.2	4	4	8	0.1
Acute poliomyelitis including late effects.....	8	4	12	0.2	2	4	6	0.08
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	2	2	0.03	0	0	0	-
Measles.....	543	552	1095	14.2	77	99	176	2.5
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	47	36	83	1.1	14	14	28	0.4
Arthropod-borne viral encephalitis including late effects.....	5	2	7	0.09	0	0	0	-
Viral hepatitis.....	25	7	32	0.4	18	10	28	0.4
Rabies.....	39	26	65	0.8	39	16	55	0.8
Other viral diseases.....	13	14	27	0.3	8	8	16	0.2
Malaria.....	44	35	79	1.0	36	17	53	0.7
Other arthropod-borne diseases.	2	2	4	0.05	0	0	0	-
Syphilis.....	0	0	0	-	0	2	2	0.03
Gonococcal Infections.....	0	0	0	-	0	0	0	-

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	88	68	156	2.5	87	64	151	2.7
Other salmonella infections....	0	0	0	-	0	0	0	-
Shigellosis and amoebiasis (Dysentery, All Forms).....	6	3	9	0.1	8	11	19	0.3
Other food poisoning (Bacterial).....	12	3	15	0.2	8	3	11	0.2
Other intestinal infectious diseases.....	1	1	2	0.03	0	1	1	0.02
Diarrheas.....	51	28	79	1.3	34	27	61	1.1
Tuberculosis of the respiratory system.....	399	297	696	11.1	401	281	682	12.2
Tuberculosis of meninges & CNS.	15	13	28	0.4	8	12	20	0.4
Other tuberculosis, including late effects.....	6	4	10	0.2	7	5	12	0.2
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	1	2	3	0.05	1	2	3	0.05
Diphtheria.....	1	0	1	0.02	1	1	2	0.04
Whooping cough.....	0	0	0	-	0	0	0	-
Streptococcal sore throat.....	0	0	0	-	0	0	0	-
Meningococcal infection.....	3	0	3	0.05	0	5	5	0.09
Tetanus.....	58	11	69	1.1	38	15	53	0.9
Septicemia.....	86	86	172	2.7	103	115	218	3.9
All other diseases caused by bacteria.....	1	1	2	0.03	3	1	4	0.07
Acute poliomyelitis including late effects.....	3	1	4	0.06	3	0	3	0.05
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	1	1	0.02	0	1	1	0.02
Measles.....	10	11	21	0.3	10	11	21	0.4
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	11	5	16	0.3	4	1	5	0.09
Arthropod-borne viral encephalitis including late effects.....	2	0	2	0.03	1	0	1	0.02
Viral hepatitis.....	31	13	44	0.7	33	21	54	1.0
Rabies.....	18	6	24	0.4	13	8	21	0.4
Other viral diseases.....	8	4	12	0.2	4	3	7	0.1
Malaria.....	71	39	110	1.8	64	35	99	1.8
Other arthropod-borne diseases.	1	1	2	0.03	2	0	2	0.04
Syphilis.....	0	0	0	-	0	0	0	-
Gonococcal Infections.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

183

C A U S E	25 - 29 YEARS				30 - 34 YEARS			
	MALE	FE-	BOTH	RATE	MALE	FE-	BOTH	RATE
	MALE	MALE	SEXES		MALE	MALE	SEXES	
Typhoid & Paratyphoid fevers...	66	55	121	2.5	65	40	105	2.5
Other salmonella infections....	0	0	0	-	0	0	0	-
Shigellosis and amoebiasis (Dysentery, All Forms).....	7	5	12	0.2	5	3	8	0.2
Other food poisoning (Bacterial).....	1	3	4	0.08	12	2	14	0.3
Other intestinal infectious diseases.....	0	0	0	-	0	0	0	-
Diarrheas.....	49	38	87	1.8	44	27	71	1.7
Tuberculosis of the respiratory system.....	648	389	1037	21.1	752	488	1240	29.3
Tuberculosis of meninges & CNS.	12	6	18	0.4	12	3	15	0.4
Other tuberculosis, including late effects.....	10	7	17	0.3	8	7	15	0.4
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	1	0	1	0.02	3	1	4	0.09
Diphtheria.....	0	1	1	0.02	0	0	0	-
Whooping cough.....	0	0	0	-	0	0	0	-
Streptococcal sore throat.....	1	0	1	0.02	0	0	0	-
Meningococcal infection.....	2	0	2	0.04	0	0	0	-
Tetanus.....	46	12	58	1.2	27	11	38	0.9
Septicemia.....	97	109	206	4.2	79	105	184	4.4
All other diseases caused by bacteria.....	1	3	4	0.08	3	0	3	0.07
Acute poliomyelitis including late effects.....	1	0	1	0.02	1	2	3	0.07
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	0	0	-	0	0	0	-
Measles.....	2	6	8	0.2	2	7	9	0.2
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	3	2	5	0.1	4	2	6	0.1
Arthropod-borne viral encephalitis including late effects.....	0	0	0	-	0	0	0	-
Viral hepatitis.....	35	23	58	1.2	27	19	46	1.1
Rabies.....	15	5	20	0.4	19	5	24	0.6
Other viral diseases.....	3	5	8	0.2	3	6	9	0.2
Malaria.....	72	36	108	2.2	42	29	71	1.7
Other arthropod-borne diseases.	0	2	2	0.04	0	0	0	-
Syphilis.....	0	0	0	-	0	1	1	0.02
Gonococcal Infections.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	35 - 39 YEARS				40 - 44 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	56	32	88	2.6	40	20	60	2.3
Other salmonella infections....	0	0	0	-	0	0	0	-
Shigellosis and amoebiasis (Dysentery, All Forms).....	6	6	12	0.4	5	4	9	0.3
Other food poisoning (Bacterial).....	6	1	7	0.2	4	1	5	0.2
Other intestinal infectious diseases.....	0	0	0	-	0	1	1	0.04
Diarrheas.....	34	26	60	1.8	41	25	66	2.5
Tuberculosis of the respiratory system.....	975	503	1478	43.2	1068	555	1623	61.4
Tuberculosis of meninges & CNS.	11	4	15	0.4	8	7	15	0.6
Other tuberculosis, including late effects.....	5	7	12	0.4	7	6	13	0.5
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	7	1	8	0.2	4	3	7	0.3
Diphtheria.....	1	0	1	0.03	0	1	1	0.04
Whooping cough.....	0	0	0	-	0	0	0	-
Streptococcal sore throat.....	0	0	0	-	0	1	1	0.04
Meningococcal infection.....	1	1	2	0.06	0	0	0	-
Tetanus.....	26	11	37	1.1	22	7	29	1.1
Septicemia.....	89	90	179	5.2	90	56	146	5.5
All other diseases caused by bacteria.....	0	2	2	0.06	4	0	4	0.2
Acute poliomyelitis including late effects.....	0	0	0	-	0	0	0	-
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	0	0	-	0	1	1	0.04
Measles.....	0	1	1	0.03	2	2	4	0.2
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	3	1	4	0.1	2	2	4	0.2
Arthropod-borne viral encephalitis including late effects.....	0	0	0	-	0	0	0	-
Viral hepatitis.....	40	15	55	1.6	35	18	53	2.0
Rabies.....	19	6	25	0.7	13	12	25	0.9
Other viral diseases.....	3	3	6	0.2	3	1	4	0.2
Malaria.....	68	28	96	2.8	50	11	61	2.3
Other arthropod-borne diseases.	1	0	1	0.03	1	0	1	0.04
Syphilis.....	0	1	1	0.03	0	0	0	-
Gonococcal Infections.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

185

C A U S E	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	42	21	63	2.9	29	15	44	2.6
Other salmonella infections....	0	1	1	0.05	0	1	1	0.06
Shigellosis and amoebiasis (Dysentery, All Forms).....	18	3	21	1.0	12	3	15	0.9
Other food poisoning (Bacterial).....	4	2	6	0.3	6	2	8	0.5
Other intestinal infectious diseases.....	0	0	0	-	0	1	1	0.06
Diarrheas.....	53	35	88	4.0	57	40	97	5.8
Tuberculosis of the respiratory system.....	1434	662	2096	96.2	1672	747	2419	143.7
Tuberculosis of meninges & CNS.	11	4	15	0.7	9	1	10	0.6
Other tuberculosis, including late effects.....	14	2	16	0.7	15	7	22	1.3
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	5	1	6	0.3	10	2	12	0.7
Diphtheria.....	0	0	0	-	0	0	0	-
Whooping cough.....	0	0	0	-	0	0	0	-
Streptococcal sore throat.....	0	0	0	-	0	0	0	-
Meningococcal infection.....	0	1	1	0.05	2	4	6	0.4
Tetanus.....	24	13	37	1.7	25	11	36	2.1
Septicemia.....	83	56	139	6.4	86	55	141	8.4
All other diseases caused by bacteria.....	0	1	1	0.05	1	1	2	0.1
Acute poliomyelitis including late effects.....	0	0	0	-	1	0	1	0.06
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	0	0	-	0	1	1	0.06
Measles.....	3	0	3	0.1	6	0	6	0.4
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	2	0	2	0.09	2	3	5	0.3
Arthropod-borne viral encephalitis including late effects.....	0	0	0	-	1	0	1	0.06
Viral hepatitis.....	47	14	61	2.8	39	17	56	3.3
Rabies.....	15	8	23	1.1	16	8	24	1.4
Other viral diseases.....	5	1	6	0.3	3	1	4	0.2
Malaria.....	50	22	72	3.3	45	18	63	3.7
Other arthropod-borne diseases.	0	0	0	-	1	0	1	0.06
Syphilis.....	1	0	1	0.05	1	0	1	0.06
Gonococcal Infections.....	0	0	0	-	0	0	0	-



TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	55 - 59 YEARS				60 - 64 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	19	17	36	2.6	23	17	40	3.7
Other salmonella infections....	0	0	0	-	0	0	0	-
Shigellosis and amoebiasis (Dysentery, All Forms).....	13	7	20	1.4	5	8	13	1.2
Other food poisoning (Bacterial).....	6	0	6	0.4	0	0	0	-
Other intestinal infectious diseases.....	1	0	1	0.07	0	0	0	-
Diarrheas.....	68	58	126	9.1	58	56	114	10.4
Tuberculosis of the respiratory system.....	1829	821	2650	190.7	1848	898	2746	251.1
Tuberculosis of meninges & CNS.	3	5	8	0.6	3	2	5	0.5
Other tuberculosis, including late effects.....	5	10	15	1.1	13	14	27	2.5
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	6	3	9	0.6	4	3	7	0.6
Diphtheria.....	0	0	0	-	0	0	0	-
Whooping cough.....	0	0	0	-	0	0	0	-
Streptococcal sore throat.....	0	0	0	-	0	0	0	-
Meningococcal infection.....	1	1	2	0.1	0	1	1	0.09
Tetanus.....	25	5	30	2.2	25	10	35	3.2
Septicemia.....	81	54	135	9.7	98	62	160	14.6
All other diseases caused by bacteria.....	5	0	5	0.4	3	6	9	0.8
Acute poliomyelitis including late effects.....	0	0	0	-	0	0	0	-
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	0	0	-	0	0	0	-
Measles.....	2	2	4	0.3	3	1	4	0.4
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	0	1	1	0.07	2	1	3	0.3
Arthropod-borne viral encephalitis including late effects.....	0	0	0	-	0	1	1	0.09
Viral hepatitis.....	30	10	40	3.5	33	17	50	4.6
Rabies.....	10	6	16	1.2	12	9	21	1.9
Other viral diseases.....	2	0	2	0.1	2	2	4	0.4
Malaria.....	44	18	62	4.5	29	13	42	3.8
Other arthropod-borne diseases.	0	0	0	-	0	0	0	-
Syphilis.....	0	0	0	-	0	0	0	-
Gonococcal Infections.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

187

C A U S E	65 - 69 YEARS				70 YEARS & OVER			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers...	25	16	41	4.8	52	41	93	7.1
Other salmonella infections....	0	0	0	-	0	2	2	0.2
Shigellosis and amoebiasis (Dysentery, All Forms).....	10	7	17	2.0	48	41	89	6.8
Other food poisoning (Bacterial).....	1	0	1	0.1	5	2	7	0.5
Other intestinal infectious diseases.....	0	0	0	-	1	0	1	0.08
Diarrheas.....	73	65	138	16.1	315	349	664	50.7
Tuberculosis of the respiratory system.....	1837	1003	2840	330.7	3922	2916	6838	521.8
Tuberculosis of meninges & CNS.	5	3	8	0.9	7	5	12	0.9
Other tuberculosis, including late effects.....	7	11	18	2.1	20	15	35	2.7
Plague.....	0	0	0	-	0	0	0	-
Leprosy.....	1	3	4	0.5	13	5	18	1.4
Diphtheria.....	0	0	0	-	0	0	0	-
Whooping cough.....	0	0	0	-	0	0	0	-
Streptococcal sore throat.....	0	0	0	-	0	0	0	-
Meningococcal infection.....	0	1	1	0.1	0	1	1	0.08
Tetanus.....	19	12	31	3.6	48	25	73	5.6
Septicemia.....	93	78	171	19.9	336	340	676	51.6
All other diseases caused by bacteria.....	3	0	3	0.3	3	8	11	0.8
Acute poliomyelitis including late effects.....	1	0	1	0.1	1	0	1	0.08
Smallpox.....	0	0	0	-	0	0	0	-
Chickenpox.....	0	0	0	-	0	0	0	-
Measles.....	3	2	5	0.6	12	16	28	2.1
Yellow Fever.....	0	0	0	-	0	0	0	-
Dengue-hemorrhagic fever.....	0	0	0	-	1	2	3	0.2
Arthropod-borne viral encephalitis including late effects.....	1	0	1	0.1	0	0	0	-
Viral hepatitis.....	22	23	45	5.2	50	38	88	6.7
Rabies.....	8	7	15	1.7	18	15	33	2.5
Other viral diseases.....	1	1	2	0.2	10	7	17	1.3
Malaria.....	31	10	41	4.8	45	24	69	5.3
Other arthropod-borne diseases.	0	1	1	0.1	1	1	2	0.2
Syphilis.....	0	0	0	-	0	0	0	-
Bonococcal Infections.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUP BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	NOT STATED			
	MALE	FEMALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers.....	0	0	0	-
Other salmonella infections.....	0	0	0	-
Shigellosis and amoebiasis (Dysentery, All Forms).....	0	0	0	-
Other food poisoning (Bacterial).....	0	0	0	-
Other intestinal infectious diseases.....	0	0	0	-
Diarrheas.....	0	0	0	-
Tuberculosis of the respiratory system.....	0	0	0	-
Tuberculosis of meninges & CNS.....	0	0	0	-
Other tuberculosis, including late effects.....	0	0	0	-
Plague.....	0	0	0	-
Leprosy.....	0	0	0	-
Diphtheria.....	0	0	0	-
Whooping cough.....	0	0	0	-
Streptococcal sore throat.....	0	0	0	-
Meningococcal infection.....	0	0	0	-
Tetanus.....	0	0	0	-
Septicemia.....	0	0	0	-
All other diseases caused by bacteria.....	0	0	0	-
Acute poliomyelitis including late effects.....	0	0	0	-
Smallpox.....	0	0	0	-
Chickenpox.....	0	0	0	-
Measles.....	0	0	0	-
Yellow Fever.....	0	0	0	-
Dengue-hemorrhagic fever.....	0	0	0	-
Arthropod-borne viral encephalitis including late effects.....	0	0	0	-
Viral hepatitis.....	0	0	0	-
Rabies.....	0	0	0	-
Other viral diseases.....	0	0	0	-
Malaria.....	0	0	0	-
Other arthropod-borne diseases.....	0	0	0	-
Syphilis.....	0	0	0	-
Gonococcal Infections.....	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

189

C A U S E	ALL AGES			
	MALE	FEMALE	BOTH SEXES	RATE
Schistosomiasis.....(120)	211	90	301	0.5
Filariasis.....(125)	0	0	0	-
Other helminthiasis.....(121-124;126-129)	126	108	234	0.4
Other infectious and parasitic diseases...(099;100-104;110-118;130-136)	160	90	250	0.4
Malignant neoplasms of:				
lip, oral cavity and pharynx...(140-149)	782	562	1344	2.3
esophagus.....(150)	187	108	295	0.5
stomach.....(151)	754	596	1350	2.3
small intestine including duodenum.....(152)	43	33	76	0.1
colon.....(153)	125	117	242	0.4
rectum, rectosigmoid junction and anus.....(154)	285	234	519	0.9
larynx.....(161)	106	44	150	0.3
trachea, bronchus, lung and pleura.....(162;163)	2285	872	3157	5.4
bone and articular cartilage.....(170)	543	378	921	1.6
skin.....(172;173)	68	39	107	0.2
female breast.....(174)	0	1432	1432	2.4
cervix uteri.....(180)	0	376	376	0.6
uterus.....(179;181-182)	0	938	938	1.6
other female genital organs.....(183-184)	0	351	351	0.6
prostate.....(185)	344	0	344	0.6
other and unspecified sites.....(155-160;164;165;171;175;186-199)	4818	2716	7534	12.8
lymphatic tissue.....(200-203)	228	144	372	0.6
Leukemia.....(204-208)	813	735	1548	2.6
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior and of unspecified nature.....(210-239)	55	73	128	0.2
Diabetes mellitus.....(250)	1448	1746	3194	5.4
Kwashiorkor.....(260)	96	71	167	0.3
Nutritional marasmus.....(261)	105	93	198	0.3
Other protein calorie malnutrition.....(262)	370	317	687	1.2
Other nutritional deficiencies...(263-269)	1786	1659	3445	5.9
Goiter, thyrotoxicosis, hypothyroidism and other endocrine and metabolic disorders.....(240-246;251-259;270-279)	1958	1544	3502	6.0
Anemias.....(280-285)	1172	1126	2298	3.9
Other diseases of blood-forming organs.....(286-289)	215	177	392	0.7

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	UNDER 1 YEAR				1 - 4 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	2	0	2	0.1	8	4	12	0.2
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	7	8	15	0.9	50	54	104	1.6
Other infectious and parasitic diseases.....	15	14	29	1.7	40	29	69	1.1
Malignant neoplasms of:								
lip, oral cavity and pharynx....	2	1	3	0.2	0	2	2	0.03
esophagus.....	0	1	1	0.06	0	0	0	-
stomach.....	2	2	4	0.2	0	1	1	0.02
small intestine including duodenum.....	0	0	0	-	0	0	0	-
colon.....	0	0	0	-	0	0	0	-
rectum, rectosigmoid junction and anus.....	0	0	0	-	0	0	0	-
larynx.....	0	0	0	-	0	1	1	0.02
trachea, bronchus, lung & pleura	5	1	6	0.3	2	2	4	0.06
bone and articular cartilage....	0	1	1	0.06	1	4	5	0.08
skin.....	0	0	0	-	0	0	0	-
female breast.....	0	0	0	-	0	0	0	-
cervix uteri.....	0	0	0	-	0	0	0	-
uterus.....	0	0	0	-	0	0	0	-
other female genital organs.....	0	0	0	-	0	0	0	-
prostate.....	0	0	0	-	0	0	0	-
other and unspecified sites.....	19	27	46	2.7	49	27	76	1.2
lymphatic tissue.....	7	2	9	0.5	2	3	5	0.08
Leukemia.....	30	16	46	2.7	80	54	134	2.0
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	6	1	7	0.4	5	4	9	0.1
Diabetes mellitus.....	4	3	7	0.4	3	3	6	0.09
Kwashiorkor.....	28	22	50	2.9	48	25	73	1.1
Nutritional marasmus.....	28	20	48	2.8	44	30	74	1.1
Other protein calorie malnutrition	87	66	153	8.9	153	131	284	4.3
Other nutritional deficiencies....	724	635	1359	78.8	408	384	792	12.1
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders.....	568	375	943	54.7	552	396	948	14.4
Anemias.....	83	47	130	7.5	65	69	134	2.0
Other diseases of blood-forming organs.....	59	42	101	5.9	30	12	42	0.6

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

191

C A U S E	5 - 9 YEARS				10 - 14 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	7	2	9	0.1	7	3	10	0.1
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	42	26	68	0.9	8	3	11	0.2
Other infectious and parasitic diseases.....	25	9	34	0.4	10	6	16	0.2
Malignant neoplasms of:								
lip, oral cavity and pharynx....	0	1	1	0.01	1	0	1	0.01
esophagus.....	0	0	0	-	0	0	0	-
stomach.....	3	1	4	0.05	2	1	3	0.04
small intestine including duodenum.....	0	0	0	-	0	0	0	-
colon.....	0	0	0	-	0	0	0	-
rectum, rectosigmoid junction and anus.....	1	0	1	0.01	0	1	1	0.01
larynx.....	0	0	0	-	0	0	0	-
trachea, bronchus, lung & pleura	1	3	4	0.05	5	4	9	0.1
bone and articular cartilage....	8	5	13	0.2	12	3	15	0.2
skin.....	1	1	2	0.03	0	2	2	0.03
female breast.....	0	0	0	-	0	3	3	0.04
cervix uteri.....	0	0	0	-	0	2	2	0.03
uterus.....	0	0	0	-	0	3	3	0.04
other female genital organs.....	0	0	0	-	0	1	1	0.01
prostate.....	0	0	0	-	4	0	4	0.06
other and unspecified sites.....	42	29	71	0.9	40	35	75	1.1
lymphatic tissue.....	6	6	12	0.2	3	2	5	0.07
Leukemia.....	98	66	164	2.1	81	82	163	2.3
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	0	1	1	0.01	3	3	6	0.08
Diabetes mellitus.....	1	3	4	0.05	3	5	8	0.1
Kwashiorkor.....	9	6	15	0.2	0	1	1	0.01
Nutritional marasmus.....	9	8	17	0.2	0	3	3	0.04
Other protein calorie malnutrition	36	23	59	0.8	8	5	13	0.2
Other nutritional deficiencies....	87	101	188	2.4	23	24	47	0.7
Goiter, thyrotoxicosis, hypo- thyroidism & other endocrine & metabolic disorders.....	158	90	248	3.2	55	45	100	1.4
Anemias.....	60	38	98	1.3	51	51	102	1.4
Other diseases of blood-forming organs.....	16	10	26	0.3	13	7	20	0.3

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

C A U S E	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FE-	BOTH	RATE	MALE	FE-	BOTH	RATE
	MALE	SEXES	SEXES		MALE	SEXES	SEXES	
Schistosomiasis.....	12	4	16	0.3	17	4	21	0.4
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	3	1	4	0.06	2	3	5	0.09
Other infectious and parasitic diseases.....	6	3	9	0.1	6	1	7	0.1
Malignant neoplasms of:								
lip, oral cavity and pharynx....	9	3	12	0.2	8	5	13	0.2
esophagus.....	0	0	0	-	0	1	1	0.02
stomach.....	6	2	8	0.1	6	4	10	0.2
small intestine including duodenum.....	0	0	0	-	1	0	1	0.02
colon.....	0	0	0	-	4	0	4	0.07
rectum, rectosigmoid junction and anus.....	1	2	3	0.05	5	3	8	0.1
larynx.....	0	0	0	-	2	0	2	0.04
trachea, bronchus, lung & pleura	16	8	24	0.4	20	12	32	0.6
bone and articular cartilage....	27	16	43	0.7	25	14	39	0.7
skin.....	1	4	5	0.08	2	0	2	0.04
female breast.....	0	4	4	0.06	0	7	7	0.1
cervix uteri.....	0	1	1	0.02	0	6	6	0.1
uterus.....	0	6	6	0.1	0	18	18	0.3
other female genital organs.....	0	9	9	0.1	0	7	7	0.1
prostate.....	1	0	1	0.02	1	0	1	0.02
other and unspecified sites.....	86	37	123	2.0	109	71	180	3.2
lymphatic tissue.....	11	6	17	0.3	9	4	14	0.2
Leukemia.....	82	78	160	2.5	53	63	116	2.1
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	4	2	6	0.1	3	0	3	0.05
Diabetes mellitus.....	9	9	18	0.3	5	10	15	0.3
Kwashiorkor.....	0	0	0	-	0	1	1	0.02
Nutritional marasmus.....	0	0	0	-	0	0	0	-
Other protein calorie malnutrition	5	3	8	0.1	1	3	4	0.07
Other nutritional deficiencies....	19	10	29	0.5	5	8	13	0.2
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders.....	22	31	53	0.8	32	29	61	1.1
Anemias.....	48	45	93	1.5	46	63	109	1.9
Other diseases of blood-forming organs.....	16	10	26	0.4	13	15	28	0.5

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

193

C A U S E	25 - 29 YEARS				30 - 34 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	14	10	24	0.5	16	6	22	0.5
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	1	0	1	0.02	1	1	2	0.05
Other infectious and parasitic diseases.....	10	1	11	0.2	4	0	4	0.09
Malignant neoplasms of:								
lip, oral cavity and pharynx....	17	9	26	0.5	19	15	34	0.8
esophagus.....	4	2	6	0.1	4	2	6	0.1
stomach.....	11	7	18	0.4	18	23	41	1.0
small intestine including duodenum.....	2	1	3	0.06	1	0	1	0.02
colon.....	2	7	9	0.2	3	5	8	0.2
rectum, rectosigmoid junction and anus.....	7	6	13	0.3	16	9	25	0.6
larynx.....	1	0	1	0.02	2	0	2	0.05
trachea, bronchus, lung & pleura	27	20	47	1.0	36	33	69	1.6
bone and articular cartilage....	28	20	48	1.0	23	15	38	0.9
skin.....	4	3	7	0.1	2	1	3	0.07
female breast.....	0	18	18	0.4	0	64	64	1.5
cervix uteri.....	0	18	18	0.4	0	19	19	0.4
uterus.....	0	32	32	0.6	0	65	65	1.5
other female genital organs.....	0	8	8	0.2	0	18	18	0.4
prostate.....	1	0	1	0.02	1	0	1	0.02
other and unspecified sites.....	161	78	239	4.9	225	110	335	7.9
lymphatic tissue.....	12	4	16	0.3	10	9	19	0.4
Leukemia.....	49	40	89	1.8	44	51	95	2.2
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	1	4	5	0.1	2	5	7	0.2
Diabetes mellitus.....	12	10	22	0.4	27	22	49	1.2
Kwashiorkor.....	1	1	2	0.04	0	0	0	-
Nutritional marasmus.....	1	0	1	0.02	1	0	1	0.02
Other protein calorie malnutrition	3	5	8	0.2	4	7	11	0.3
Other nutritional deficiencies.....	8	17	25	0.5	14	11	25	0.6
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders.....	26	26	52	1.1	36	30	66	1.6
Anemias.....	41	73	114	2.3	35	65	100	2.4
Other diseases of blood-forming organs.....	9	8	17	0.3	7	9	16	0.4



TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	35 - 39 YEARS				40 - 44 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	14	15	29	0.8	19	3	22	0.8
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	0	1	1	0.03	0	1	1	0.04
Other infectious and parasitic diseases.....	5	0	5	0.1	5	3	8	0.3
Malignant neoplasms of:								
lip, oral cavity and pharynx....	39	16	55	1.6	45	23	68	2.6
esophagus.....	3	2	5	0.1	4	1	5	0.2
stomach.....	22	24	46	1.3	33	34	67	2.5
small intestine including duodenum.....	1	3	4	0.1	1	1	2	0.08
colon.....	8	3	11	0.3	8	11	19	0.7
rectum, rectosigmoid junction and anus.....	13	11	24	0.7	9	16	25	0.9
larynx.....	2	0	2	0.06	2	1	3	0.1
trachea, bronchus, lung & pleura	78	35	113	3.3	107	51	158	6.0
bone and articular cartilage....	23	13	36	1.1	37	20	57	2.2
skin.....	2	2	4	0.1	6	1	7	0.3
female breast.....	0	121	121	3.5	0	166	166	6.3
cervix uteri.....	0	37	37	1.1	0	30	30	1.1
uterus.....	0	74	74	2.2	0	77	77	2.9
other female genital organs.....	0	42	42	1.2	0	30	30	1.1
prostate.....	2	0	2	0.06	2	0	2	0.08
other and unspecified sites.....	293	153	446	13.0	359	172	531	20.1
lymphatic tissue.....	12	7	19	0.6	15	13	28	1.1
Leukemia.....	37	36	73	2.1	31	25	56	2.1
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	4	3	7	0.2	0	3	3	0.1
Diabetes mellitus.....	33	25	58	1.7	42	32	74	2.8
Kwashiorkor.....	0	0	0	-	1	0	1	0.04
Nutritional marasmus.....	0	0	0	-	0	0	0	-
Other protein calorie malnutrition	2	5	7	0.2	4	3	7	0.3
Other nutritional deficiencies....	12	13	25	0.7	23	10	33	1.2
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders.....	27	29	56	1.6	28	26	54	2.0
Anemias.....	29	53	82	2.4	32	45	77	2.9
Other diseases of blood-forming organs.....	4	5	9	0.3	5	10	15	0.6

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

195

C A U S E	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	26	7	33	1.5	17	8	25	1.5
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	0	0	0	-	2	2	4	0.2
Other infectious and parasitic diseases.....	8	2	10	0.5	2	4	6	0.4
Malignant neoplasms of:								
lip, oral cavity and pharynx....	57	30	87	4.0	81	43	124	7.4
esophagus.....	12	5	17	0.8	23	5	28	1.7
stomach.....	58	28	86	3.9	73	57	130	7.7
small intestine including duodenum.....	3	1	4	0.2	9	4	13	0.8
colon.....	10	5	15	0.7	10	5	15	0.9
rectum, rectosigmoid junction and anus.....	23	19	42	1.9	20	20	40	2.4
larynx.....	5	2	7	0.3	5	4	9	0.5
trachea, bronchus, lung & pleura	205	56	261	12.0	276	99	375	22.3
bone and articular cartilage....	38	28	66	3.0	43	32	75	4.5
skin.....	2	2	4	0.2	6	3	9	0.5
female breast.....	0	214	214	9.8	0	217	217	12.9
cervix uteri.....	0	52	52	2.4	0	50	50	3.0
uterus.....	0	95	95	4.4	0	123	123	7.3
other female genital organs.....	0	27	27	1.2	0	41	41	2.4
prostate.....	8	0	8	0.4	18	0	18	1.1
other and unspecified sites.....	444	214	658	30.2	556	222	778	46.2
lymphatic tissue.....	23	11	34	1.6	21	11	32	1.9
Leukemia.....	30	30	60	2.8	28	34	62	3.7
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	2	4	6	0.3	2	3	5	0.3
Diabetes mellitus.....	92	52	144	6.6	132	127	259	15.4
Kwashiorkor.....	0	0	0	-	1	0	1	0.06
Nutritional marasmus.....	0	0	0	-	1	0	1	0.06
Other protein calorie malnutrition	5	1	6	0.3	4	2	6	0.4
Other nutritional deficiencies....	24	19	43	2.0	28	17	45	2.7
Goiter, thyrotoxicosis, hypo- thyroidism & other endocrine & metabolic disorders.....	29	28	57	2.6	37	28	65	3.9
Anemias.....	31	51	82	3.8	47	37	84	5.0
Other diseases of blood-forming organs.....	10	2	12	0.6	7	8	15	0.9

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	55 - 59 YEARS				60 - 64 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	18	7	25	1.8	12	7	19	1.7
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	1	2	3	0.2	1	1	2	0.2
Other infectious and parasitic diseases.....	6	3	9	0.6	5	3	8	0.7
Malignant neoplasms of:								
lip, oral cavity and pharynx....	96	54	150	10.8	115	79	194	17.7
esophagus.....	18	16	34	2.4	24	16	40	3.7
stomach.....	67	58	125	9.0	94	75	169	15.5
small intestine including duodenum.....	5	0	5	0.4	4	6	10	0.9
colon.....	9	15	24	1.7	12	20	32	2.9
rectum, rectosigmoid junction and anus.....	36	25	61	4.4	37	19	56	5.1
larynx.....	19	6	25	1.8	8	9	17	1.6
trachea, bronchus, lung & pleura	302	93	395	28.4	401	109	510	46.6
bone and articular cartilage....	58	36	94	6.8	59	36	95	8.7
skin.....	4	3	7	0.5	10	2	12	1.1
female breast.....	0	149	149	10.7	0	137	137	12.5
cervix uteri.....	0	45	45	3.2	0	29	29	2.7
uterus.....	0	95	95	6.8	0	101	101	9.2
other female genital organs.....	0	47	47	3.4	0	29	29	2.7
prostate.....	17	0	17	1.2	37	0	37	3.4
other and unspecified sites.....	518	266	784	56.4	521	309	830	75.9
lymphatic tissue.....	14	9	23	1.7	29	9	38	3.5
Leukemia.....	32	39	71	5.1	36	35	71	6.5
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	1	7	8	0.6	1	14	15	1.4
Diabetes mellitus.....	184	178	362	26.0	195	197	392	35.8
Kwashiorkor.....	2	0	2	0.1	0	1	1	0.09
Nutritional marasmus.....	0	1	1	0.07	1	0	1	0.09
Other protein calorie malnutrition	4	6	10	0.7	7	6	13	1.2
Other nutritional deficiencies....	31	17	48	3.5	50	30	80	7.3
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders.....	33	35	68	4.9	47	43	90	8.2
Anemias.....	58	36	94	6.8	86	70	156	14.3
Other diseases of blood-forming organs.....	4	4	8	0.6	4	9	13	1.2

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

197

C A U S E	65 - 69 YEARS				70 YEARS & OVER			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Schistosomiasis.....	9	7	16	1.9	13	3	16	1.2
Filariasis.....	0	0	0	-	0	0	0	-
Other helminthiasis.....	3	2	5	0.6	5	3	8	0.6
Other infectious and parasitic diseases.....	5	5	10	1.2	8	7	15	1.1
Malignant neoplasms of:								
lip, oral cavity and pharynx....	96	84	180	21.0	197	197	394	30.1
esophagus.....	33	19	52	6.1	62	38	100	7.6
stomach.....	100	71	171	19.9	259	208	467	35.6
small intestine including duodenum.....	5	4	9	1.0	11	13	24	1.8
colon.....	16	12	28	3.3	43	34	77	5.9
rectum, rectosigmoid junction and anus.....	31	23	54	6.3	86	80	166	12.7
larynx.....	19	7	26	3.0	41	14	55	4.2
trachea, bronchus, lung & pleura	297	104	401	46.7	507	242	749	57.2
bone and articular cartilage....	62	51	113	13.2	99	84	183	14.0
skin.....	10	3	13	1.5	18	12	30	2.3
female breast.....	0	110	110	12.8	0	222	222	16.9
cervix uteri.....	0	35	35	4.1	0	52	52	4.0
uterus.....	0	96	96	11.2	0	153	153	11.7
other female genital organs.....	0	37	37	4.3	0	55	55	4.2
prostate.....	38	0	38	4.4	214	0	214	16.3
other and unspecified sites.....	473	314	787	91.6	923	652	1575	120.2
lymphatic tissue.....	17	17	34	4.0	37	30	67	5.1
Leukemia.....	27	24	51	5.9	75	62	137	10.5
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature.....	8	5	13	1.5	13	14	27	2.1
Diabetes mellitus.....	170	276	446	51.9	536	794	1330	101.5
Kwashiorkor.....	2	0	2	0.2	4	14	18	1.4
Nutritional marasmus.....	1	1	2	0.2	19	30	49	3.7
Other protein calorie malnutrition	5	7	12	1.4	42	44	86	6.6
Other nutritional deficiencies.....	54	43	97	11.3	276	320	596	45.5
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders.....	48	38	86	10.0	260	295	555	42.4
Anemias.....	88	71	159	18.5	372	312	684	52.2
Other diseases of blood-forming organs.....	7	9	16	1.9	11	17	28	2.1

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	NOT STATED			
	MALE	FEMALE	BOTH SEXES	RATE
Schistosomiasis.....	0	0	0	-
Filariasis.....	0	0	0	-
Other helminthiasis.....	0	0	0	-
Other infectious and parasitic diseases.....	0	0	0	-
Malignant neoplasms of:				
lip, oral cavity and pharynx.....	0	0	0	-
esophagus.....	0	0	0	-
stomach.....	0	0	0	-
small intestine including duodenum.....	0	0	0	-
colon.....	0	0	0	-
rectum, rectosigmoid junction and anus.....	0	0	0	-
larynx.....	0	0	0	-
trachea, bronchus, lung and pleura.....	0	0	0	-
bone and articular cartilage.....	0	0	0	-
skin.....	0	0	0	-
female breast.....	0	0	0	-
cervix uteri.....	0	0	0	-
uterus.....	0	0	0	-
other female genital organs.....	0	0	0	-
prostate.....	0	0	0	-
other and unspecified sites.....	0	0	0	-
lymphatic tissue.....	0	0	0	-
Leukemia.....	0	0	0	-
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior and of unspecified nature.....	0	0	0	-
Diabetes mellitus.....	0	0	0	-
Kwashiorkor.....	0	0	0	-
Nutritional marasmus.....	0	0	0	-
Other protein calorie malnutrition.....	0	0	0	-
Other nutritional deficiencies.....	0	0	0	-
Goiter, thyrotoxicosis, hypothyroidism and other endocrine and metabolic disorders.....	0	0	0	-
Anemias.....	0	0	0	-
Other diseases of blood-forming organs.....	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

199

C A U S E	ALL AGES			
	MALE	FEMALE	BOTH SEXES	RATE
Psychoses.....(290-299)	66	64	130	0.2
Neurotic disorders, personality disorders and other mental disorders.....(300-316)	249	41	290	0.5
Mental retardation.....(317-319)	2	6	8	0.01
Meningitis.....(320-322)	1440	1163	2603	4.4
Epilepsy.....(345)	493	383	876	1.5
Other diseases of nervous system.....(323- 326; 330-337; 340-344-346-349; 350; 360-369)	1073	840	1913	3.3
Acute rheumatic fever.....(390-392)	12	9	21	0.04
Chronic rheumatic heart disease...(393-398)	954	1166	2120	3.6
Hypertension without heart involvement.....(401; 403; 405)	6722	4819	11541	19.7
Hypertension with heart involvement.....(402; 404)	1431	1178	2609	4.4
Acute myocardial infarction.....(410)	7868	4224	12092	20.6
Other forms of ischaemic heart disease.....(411-414)	2473	2238	4711	8.0
Diseases of pulmonary circulation & other forms of heart disease.(415-417; 420-429)	10339	8674	19013	32.4
Cerebrovascular disease.....(430-438)	9649	7061	16710	28.5
Atherosclerosis.....(440)	976	1191	2167	3.7
Other diseases of arteries, arterioles, and capillaries.....(441-448)	210	158	368	0.6
Venous thrombosis and embolism...(451-453)	19	24	43	0.07
Other diseases of circulatory system.....(454-459)	452	223	675	1.1
Acute respiratory infections, except bronchitis and bronchiolitis...(460-465)	77	54	131	0.2
Acute bronchitis and bronchiolitis...(466)	724	583	1307	2.2
Pneumonia.....(480-486)	25434	22010	47444	80.8
Influenza.....(487)	439	352	791	1.3
Chronic obstructive pulmonary disease and allied conditions.....(490-496)	4459	2808	7267	12.4
Other diseases of respiratory system.....(470-478; 500-508; 510-519)	3195	3085	6280	10.7
Diseases of oral cavity, salivary glands and jaws.....(520-529)	29	17	46	0.08
Gastric, duodenal and peptic ulcer, sites unspecified.....(531-533)	3873	1722	5595	9.5
Appendicitis.....(540-543)	258	147	405	0.7
Hernia of abdominal cavity.....(550-553)	122	26	148	0.3
Chronic liver diseases & cirrhosis...(571)	2068	525	2593	4.4

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

C A U S E	UNDER 1 YEAR				1 - 4 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	0	0	0	-	0	0	0	-
Neurotic disorders, personality disorder & other mental disorders.....	0	0	0	-	0	0	0	-
Mental retardation.....	0	0	0	-	0	0	0	-
Meningitis.....	391	258	649	37.6	411	348	759	11.6
Epilepsy.....	0	0	0	-	30	22	52	0.8
Other diseases of nervous system..	134	91	225	13.0	172	132	304	4.6
Acute rheumatic fever.....	0	0	0	-	2	1	3	0.05
Chronic rheumatic heart disease....	0	0	0	-	36	32	68	1.0
Hypertension without heart involvement.....	0	0	0	-	2	1	3	0.05
Hypertension with heart involvement	0	0	0	-	0	0	0	-
Acute myocardial infarction.....	0	0	0	-	5	10	15	0.2
Other forms of ischaemic heart disease.....	0	0	0	-	3	1	4	0.06
Diseases of pulmonary circulation & other forms of heart disease...	365	273	638	37.0	236	182	418	6.4
Cerebrovascular disease.....	94	53	147	8.5	52	37	89	1.4
Atherosclerosis.....	0	0	0	-	0	0	0	-
Other diseases of arteries, arterioles and capillaries.....	2	0	2	0.1	2	2	4	0.06
Venous thrombosis and embolism.....	0	2	2	0.1	0	1	1	0.02
Other diseases of circulatory system.....	15	13	28	1.6	13	9	22	0.3
Acute respiratory infections, except bronchitis and bronchilitis.....	17	16	33	1.9	14	11	25	0.4
Acute bronchitis & bronchiolitis...	378	278	656	38.0	217	211	428	6.5
Pneumonia.....	7075	5522	12597	730.1	7562	6836	14398	219.2
Influenza.....	23	19	42	2.4	42	30	72	1.1
Chronic obstructive pulmonary diseases & allied conditions.....	341	259	600	34.8	296	302	598	9.1
Other diseases of respiratory system.....	330	254	584	33.8	144	97	241	3.7
Diseases of oral cavity, salivary glands and jaws.....	4	4	8	0.5	4	4	8	0.1
Gastric, duodenal and peptic ulcer, sites unspecified.....	20	5	25	1.4	12	7	19	0.3
Appendicitis.....	7	0	7	0.4	14	12	26	0.4
Hernia of abdominal cavity.....	18	6	24	1.4	6	1	7	0.1
Chronic liver diseases & cirrhosis..	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

201

C A U S E	5 - 9 YEARS				10 - 14 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	0	0	0	-	0	0	0	-
Neurotic disorders, personality disorder & other mental disorders.	3	0	3	0.04	2	0	2	0.03
Mental retardation.....	0	0	0	-	1	0	1	0.01
Meningitis.....	179	176	355	4.6	95	72	167	2.4
Epilepsy.....	25	31	56	0.7	44	36	80	1.1
Other diseases of nervous system..	114	93	207	2.7	59	63	122	1.7
Acute rheumatic fever.....	2	0	2	0.03	1	4	5	0.07
Chronic rheumatic heart disease....	51	70	121	1.6	110	106	216	3.0
Hypertension without heart involvement.....	1	0	1	0.01	25	25	50	0.7
Hypertension with heart involvement	0	0	0	-	7	6	13	0.2
Acute myocardial infarction.....	9	5	14	0.2	10	10	20	0.3
Other forms of ischaemic heart disease.....	3	1	4	0.05	1	2	3	0.04
Diseases of pulmonary circulation & other forms of heart disease...	109	92	201	2.6	112	98	210	3.0
Cerebrovascular disease.....	65	54	119	1.5	54	48	102	1.4
Atherosclerosis.....	0	0	0	-	0	0	0	-
Other diseases of arteries, arterioles and capillaries.....	5	3	8	0.1	5	6	11	0.2
Venous thrombosis and embolism.....	2	0	2	0.03	0	0	0	-
Other diseases of circulatory system.....	10	5	15	0.2	9	5	14	0.2
Acute respiratory infections, except bronchitis and bronchilitis.....	0	2	2	0.03	4	1	5	0.07
Acute bronchitis & bronchiolitis...	44	28	72	0.9	9	11	20	0.3
Pneumonia.....	1693	1609	3302	42.8	463	394	857	12.1
Influenza.....	26	13	39	0.5	26	12	38	0.5
Chronic obstructive pulmonary diseases & allied conditions.....	52	60	112	1.5	26	34	60	0.8
Other diseases of respiratory system.....	41	35	76	1.0	35	21	56	0.8
Diseases of oral cavity, salivary glands and jaws.....	0	3	3	0.04	0	0	0	-
Gastric, duodenal and peptic ulcer, sites unspecified.....	13	12	25	0.3	19	10	29	0.4
Appendicitis.....	37	13	50	0.6	25	20	45	0.6
Hernia of abdominal cavity.....	3	0	3	0.04	3	3	6	0.08
Chronic liver diseases & cirrhosis.	0	2	2	0.03	3	0	3	0.04



MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

C A U S E	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	6	1	7	0.1	2	3	5	0.09
Neurotic disorders, personality disorder & other mental disorders.	5	5	10	0.2	18	2	20	0.4
Mental retardation.....	0	1	1	0.02	1	1	2	0.04
Meningitis.....	93	70	163	2.6	61	52	113	2.0
Epilepsy.....	91	63	154	2.5	81	65	146	2.6
Other diseases of nervous system..	66	49	115	1.8	55	49	104	1.9
Acute rheumatic fever.....	0	1	1	0.02	1	0	1	0.02
Chronic rheumatic heart disease....	150	129	279	4.4	93	141	234	4.2
Hypertension without heart involvement.....	13	7	20	0.3	45	23	68	1.2
Hypertension with heart involvement	1	1	2	0.03	9	6	15	0.3
Acute myocardial infarction.....	60	36	96	1.5	168	58	226	4.0
Other forms of ischaemic heart disease.....	12	6	18	0.3	21	11	32	0.6
Diseases of pulmonary circulation & other forms of heart disease...	238	159	397	6.3	315	218	533	9.5
Cerebrovascular disease.....	107	41	148	2.4	192	71	263	4.7
Atherosclerosis.....	0	0	0	-	10	9	19	0.3
Other diseases of arteries, arterioles and capillaries.....	6	4	10	0.2	16	8	24	0.4
Venous thrombosis and embolism.....	1	1	2	0.03	0	0	0	-
Other diseases of circulatory system.....	23	12	35	0.6	38	11	49	0.9
Acute respiratory infections, except bronchitis and bronchilitis.....	1	0	1	0.02	1	1	2	0.04
Acute bronchitis & bronchiolitis...	4	2	6	0.1	4	5	9	0.2
Pneumonia.....	325	294	619	9.7	338	262	600	10.7
Influenza.....	21	13	34	0.5	23	16	39	0.7
Chronic obstructive pulmonary diseases & allied conditions....	47	41	88	1.4	66	55	121	2.2
Other diseases of respiratory system.....	50	30	80	1.3	57	38	95	1.7
Diseases of oral cavity, salivary glands and jaws.....	2	1	3	0.05	0	0	0	-
Gastric, duodenal and peptic ulcer, sites unspecified.....	60	29	89	1.4	82	30	112	2.0
Appendicitis.....	26	20	46	0.7	20	7	27	0.5
Hernia of abdominal cavity.....	2	1	3	0.05	7	1	8	0.1
Chronic liver diseases & cirrhosis.	19	9	28	0.4	36	8	44	0.8

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

203

C A U S E	25 - 29 YEARS				30 - 34 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	1	3	4	0.08	3	0	3	0.07
Neurotic disorders, personality disorder & other mental disorders.	24	4	28	0.6	38	1	39	0.9
Mental retardation.....	0	0	0	-	0	2	2	0.05
Meningitis.....	43	44	87	1.8	24	34	58	1.4
Epilepsy.....	54	44	98	2.0	41	37	78	1.8
Other diseases of nervous system..	56	32	88	1.8	48	24	72	1.7
Acute rheumatic fever.....	1	0	1	0.02	0	2	2	0.05
Chronic rheumatic heart disease....	91	110	201	4.1	58	121	179	4.2
Hypertension without heart involvement.....	86	39	125	2.5	157	54	211	5.0
Hypertension with heart involvement	11	5	16	0.3	18	19	37	0.9
Acute myocardial infarction.....	311	81	392	8.0	311	115	426	10.1
Other forms of ischaemic heart disease.....	22	18	40	0.8	45	15	60	1.4
Diseases of pulmonary circulation & other forms of heart disease...	316	244	560	11.4	280	274	554	13.1
Cerebrovascular disease.....	239	96	335	6.8	307	116	423	10.0
Atherosclerosis.....	1	3	4	0.08	2	0	2	0.05
Other diseases of arteries, arterioles and capillaries.....	12	12	24	0.5	11	12	23	0.5
Venous thrombosis and embolism.....	2	1	3	0.06	1	1	2	0.05
Other diseases of circulatory system.....	48	21	69	1.4	46	28	74	1.8
Acute respiratory infections, except bronchitis and bronchilitis.....	1	1	2	0.04	1	0	1	0.02
Acute bronchitis & bronchiolitis...	1	3	4	0.08	5	2	7	0.2
Pneumonia.....	306	272	578	11.8	313	216	529	12.5
Influenza.....	20	14	34	0.7	17	9	26	0.6
Chronic obstructive pulmonary diseases & allied conditions.....	77	72	149	3.0	81	53	134	3.2
Other diseases of respiratory system.....	53	39	92	1.9	52	36	88	2.1
Diseases of oral cavity, salivary glands and jaws.....	1	0	1	0.02	2	2	4	0.09
Gastric, duodenal and peptic ulcer, sites unspecified.....	105	46	151	3.1	139	41	180	4.3
Appendicitis.....	21	11	32	0.7	21	8	29	0.7
Hernia of abdominal cavity.....	4	0	4	0.08	1	1	2	0.05
Chronic liver diseases & cirrhosis.	76	15	91	1.9	122	15	137	3.2

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1968

C A U S E	35 - 39 YEARS				40 - 44 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	3	4	7	0.2	7	3	10	0.4
Neurotic disorders, personality disorder & other mental disorders.	24	3	27	0.8	28	3	31	1.2
Mental retardation.....	0	0	0	-	0	0	0	-
Meningitis.....	27	21	48	1.4	29	14	43	1.6
Epilepsy.....	42	21	63	1.8	20	19	39	1.5
Other diseases of nervous system..	47	34	81	2.4	23	19	42	1.6
Acute rheumatic fever.....	0	0	0	-	0	0	0	-
Chronic rheumatic heart disease....	55	89	144	4.2	43	74	117	4.4
Hypertension without heart involvement.....	212	110	322	9.4	301	137	438	16.6
Hypertension with heart involvement	28	22	50	1.5	46	21	67	2.5
Acute myocardial infarction.....	435	158	593	17.3	511	152	663	25.1
Other forms of ischaemic heart disease.....	38	21	59	1.7	57	20	77	2.9
Diseases of pulmonary circulation & other forms of heart disease....	365	302	667	19.5	378	279	657	24.8
Cerebrovascular disease.....	336	152	488	14.3	428	183	611	23.1
Atherosclerosis.....	0	4	4	0.1	7	1	8	0.3
Other diseases of arteries, arterioles and capillaries.....	10	14	24	0.7	19	8	27	1.0
Venous thrombosis and embolism.....	0	3	3	0.09	2	0	2	0.08
Other diseases of circulatory system.....	43	13	56	1.6	33	14	47	1.8
Acute respiratory infections, except bronchitis and bronchilitis.....	3	4	7	0.2	2	1	3	0.1
Acute bronchitis & bronchiolitis...	2	2	4	0.1	3	4	7	0.3
Pneumonia.....	288	221	509	14.9	320	197	517	19.5
Influenza.....	16	14	30	0.9	19	12	31	1.2
Chronic obstructive pulmonary diseases & allied conditions.....	90	63	153	4.5	147	80	227	8.6
Other diseases of respiratory system.....	73	58	131	3.8	78	30	108	4.1
Diseases of oral cavity, salivary glands and jaws.....	4	0	4	0.1	2	1	3	0.1
Gastric, duodenal and peptic ulcer, sites unspecified.....	160	54	214	6.2	219	61	280	10.6
Appendicitis.....	21	12	33	1.0	7	4	11	0.4
Hernia of abdominal cavity.....	5	1	6	0.2	5	3	8	0.3
Chronic liver diseases & cirrhosis.	171	23	194	5.7	239	40	279	10.5

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

205

C A U S E	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	3	3	6	0.3	4	2	6	0.4
Neurotic disorders, personality disorder & other mental disorders.	30	1	31	1.4	26	2	28	1.7
Mental retardation.....	0	0	0	-	0	0	0	-
Meningitis.....	25	14	39	1.8	17	10	27	1.6
Epilepsy.....	15	9	24	1.1	7	9	16	1.0
Other diseases of nervous system..	24	12	36	1.7	35	25	60	3.6
Acute rheumatic fever.....	0	0	0	-	1	0	1	0.06
Chronic rheumatic heart disease....	41	60	101	4.6	32	41	73	4.3
Hypertension without heart involvement.....	406	217	623	28.6	570	326	896	53.2
Hypertension with heart involvement	87	48	135	6.2	114	66	180	10.7
Acute myocardial infarction.....	571	217	788	36.2	721	249	970	57.6
Other forms of ischaemic heart disease.....	74	36	110	5.0	101	48	149	8.9
Diseases of pulmonary circulation & other forms of heart disease...	444	305	749	34.4	603	345	948	56.3
Cerebrovascular disease.....	586	314	900	41.3	707	392	1099	65.3
Atherosclerosis.....	7	2	9	0.4	14	6	20	1.2
Other diseases of arteries, arterioles and capillaries.....	10	5	15	0.7	9	11	20	1.2
Venous thrombosis and embolism.....	0	0	0	-	2	0	2	0.1
Other diseases of circulatory system.....	41	12	53	2.4	25	11	36	2.1
Acute respiratory infections, except bronchitis and bronchilitis.....	2	2	4	0.2	1	0	1	0.06
Acute bronchitis & bronchiolitis...	8	4	12	0.6	4	3	7	0.4
Pneumonia.....	401	215	616	28.3	447	265	712	42.3
Influenza.....	22	12	34	1.6	22	13	35	2.1
Chronic obstructive pulmonary diseases & allied conditions.....	160	97	257	11.8	246	135	381	22.6
Other diseases of respiratory system.....	82	31	113	5.2	113	59	172	10.2
Diseases of oral cavity, salivary glands and jaws.....	1	1	2	0.09	2	0	2	0.1
Gastric, duodenal and peptic ulcer, sites unspecified.....	272	99	371	17.0	344	107	451	26.8
Appendicitis.....	10	4	14	0.6	9	10	19	1.1
Hernia of abdominal cavity.....	4	0	4	0.2	5	0	5	0.3
Chronic liver diseases & cirrhosis.	260	56	316	14.5	252	61	313	18.6

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

C A U S E	55 - 59 YEARS				60 - 64 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	2	3	5	0.4	3	1	4	0.4
Neurotic disorders, personality disorder & other mental disorders.	19	1	20	1.4	12	3	15	1.4
Mental retardation.....	0	1	1	0.07	0	0	0	-
Meningitis.....	14	12	26	1.9	10	8	18	1.6
Epilepsy.....	10	7	17	1.2	7	10	17	1.6
Other diseases of nervous system..	32	25	57	4.1	31	19	50	4.6
Acute rheumatic fever.....	0	0	0	-	1	1	2	0.2
Chronic rheumatic heart disease....	30	34	64	4.6	33	25	58	5.3
Hypertension without heart involvement.....	621	329	950	68.4	815	432	1247	114.0
Hypertension with heart involvement	154	68	222	16.0	185	129	314	28.7
Acute myocardial infarction.....	777	295	1072	77.1	831	383	1214	111.0
Other forms of ischaemic heart disease.....	151	69	220	15.8	165	118	283	25.9
Diseases of pulmonary circulation & other forms of heart disease...	664	400	1064	76.6	835	563	1398	127.8
Cerebrovascular disease.....	855	481	1336	96.1	993	640	1633	149.3
Atherosclerosis.....	19	14	33	2.4	35	30	65	5.9
Other diseases of arteries, arterioles and capillaries.....	20	6	26	1.9	13	9	22	2.0
Venous thrombosis and embolism.....	3	0	3	0.2	1	5	6	0.5
Other diseases of circulatory system.....	26	5	31	2.2	20	10	30	2.7
Acute respiratory infections, except bronchitis and bronchilitis.....	5	2	7	0.5	6	4	10	0.9
Acute bronchitis & bronchiolitis...	3	0	3	0.2	2	2	4	0.4
Pneumonia.....	499	292	791	56.9	649	450	1099	100.5
Influenza.....	13	17	30	2.2	31	21	52	4.8
Chronic obstructive pulmonary diseases & allied conditions.....	302	158	460	33.1	496	200	696	63.6
Other diseases of respiratory system.....	104	71	175	12.6	176	126	302	27.6
Diseases of oral cavity, salivary glands and jaws.....	1	0	1	0.07	1	1	2	0.2
Gastric, duodenal and peptic ulcer, sites unspecified.....	399	115	514	37.0	453	182	635	58.1
Appendicitis.....	8	3	11	0.8	10	2	12	1.1
Hernia of abdominal cavity.....	11	1	12	0.9	9	1	10	0.9
Chronic liver diseases & cirrhosis.	213	59	272	19.6	229	74	303	27.7

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate\100,000 Pop.  
PHILIPPINES  
1988

207

C A U S E	65 - 69 YEARS				70 YEARS & OVER			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Psychoses.....	3	4	7	0.8	29	37	66	5.0
Neurotic disorders, personality disorder & other mental disorders..	8	5	13	1.5	12	11	23	1.8
Mental retardation.....	0	0	0	-	0	1	1	0.08
Meningitis.....	9	6	15	1.7	12	24	36	2.7
Epilepsy.....	9	3	12	1.4	17	7	24	1.8
Other diseases of nervous system..	39	27	66	7.7	138	146	284	21.7
Acute rheumatic fever.....	0	0	0	-	3	0	3	0.2
Chronic rheumatic heart disease....	34	29	63	7.3	97	105	202	15.4
Hypertension without heart involvement.....	865	631	1496	174.2	2603	2488	5091	388.5
Hypertension with heart involvement	179	138	317	36.9	592	649	1241	94.7
Acute myocardial infarction.....	799	478	1277	148.7	2349	1976	4325	330.1
Other forms of ischaemic heart disease.....	211	145	356	41.5	1569	1727	3296	251.5
Diseases of pulmonary circulation & other forms of heart disease...	935	725	1660	193.3	4144	4215	8359	637.9
Cerebrovascular disease.....	1090	738	1828	212.9	3544	3645	7189	548.6
Atherosclerosis.....	55	55	110	12.8	826	1067	1893	144.5
Other diseases of arteries, arterioles and capillaries.....	20	13	33	3.8	50	45	95	7.2
Venous thrombosis and embolism.....	1	4	5	0.6	4	6	10	0.8
Other diseases of circulatory system.....	13	9	22	2.6	49	45	94	7.2
Acute respiratory infections, except bronchitis and bronchilitis.....	5	0	5	0.6	14	9	23	1.8
Acute bronchitis & bronchiolitis...	5	2	7	0.8	35	26	61	4.7
Pneumonia.....	708	591	1299	151.3	4047	4373	8420	642.6
Influenza.....	20	20	40	4.7	98	117	215	16.4
Chronic obstructive pulmonary diseases & allied conditions.....	526	268	794	92.5	1506	931	2437	186.0
Other diseases of respiratory system.....	211	160	371	43.2	1596	2000	3596	274.4
Diseases of oral cavity, salivary glands and jaws.....	1	0	1	0.1	4	0	4	0.3
Gastric, duodenal and peptic ulcer, sites unspecified.....	454	167	621	72.3	1122	757	1879	143.4
Appendicitis.....	8	6	14	1.6	14	15	29	2.2
Hernia of abdominal cavity.....	9	2	11	1.3	30	5	35	2.8
Chronic liver diseases & cirrhosis.	159	60	219	25.5	289	103	392	29.9

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

C A U S E	NOT STATED			
	MALE	FEMALE	BOTH SEXES	RATE
Psychoses.....	0	0	0	-
Neurotic disorders, personality disorders and other mental disorders.....	0	0	0	-
Mental retardation.....	0	0	0	-
Meningitis.....	0	0	0	-
Epilepsy.....	0	0	0	-
Other diseases of nervous system.....	0	0	0	-
Acute rheumatic fever.....	0	0	0	-
Chronic rheumatic heart disease.....	0	0	0	-
Hypertension without heart involvement....	0	0	0	-
Hypertension with heart involvement.....	0	0	0	-
Acute myocardial infarction.....	0	1	1	-
Other forms of ischaemic heart disease.....	0	0	0	-
Diseases of pulmonary circulation & other forms of heart disease.....	0	0	0	-
Cerebrovascular disease.....	0	0	0	-
Atherosclerosis.....	0	0	0	-
Other diseases of arteries, arterioles, and capillaries.....	0	0	0	-
Venous thrombosis and embolism.....	0	0	0	-
Other diseases of circulatory system.....	0	0	0	-
Acute respiratory infections, except bronchitis and bronchiolitis.....	0	0	0	-
Acute bronchitis and bronchiolitis.....	0	0	0	-
Pneumonia.....	0	1	1	-
Influenza.....	0	0	0	-
Chronic obstructive pulmonary disease and allied conditions.....	0	0	0	-
Other diseases of respiratory system.....	0	0	0	-
Diseases of oral cavity, salivary glands and jaws.....	0	0	0	-
Gastric, duodenal and peptic ulcer, sites unspecified.....	0	0	0	-
Appendicitis.....	0	0	0	-
Hernia of abdominal cavity.....	0	0	0	-
Chronic liver diseases & cirrhosis.....	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

209

C A U S E	ALL AGES			
	MALE	FEMALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....(574-576)	74	85	159	0.3
Other diseases of digestive system .....				
... (530;534-537;555-570;572;573;577-579)	3115	1310	4425	7.5
Nephritis, nephrotic syndrome and nephrosis.....(580-589)	2949	1981	4930	8.4
Infection of kidney.....(590)	250	185	435	0.7
Calculus of kidney, ureter and lower urinary tract.....(592;594)	56	23	79	0.1
Hyperplasia of prostate.....(600)	45	0	45	0.08
Other diseases of genito-urinary system...				
.....(591;593; 595-599;601-608;610;611;614-616;617-629)	448	456	904	1.5
Pregnancy with abortive outcome..(630-639)	0	146	146	0.2
Hemorrhages related to pregnancy.(640;641)	0	120	120	0.2
Hypertension complicating pregnancy, childbirth and puerperium.....(642)	0	543	543	0.9
Postpartum hemorrhage.....(666)	0	441	441	0.8
Normal delivery and other complications related to pregnancy, occurring in the course of labor, delivery and puerperium.....(643-648;650-665;667-676)	0	495	495	0.8
Diseases of the skin and subcutaneous tissues.....(680-686;690-698;700-709)	206	173	379	0.6
Arthropathies, dorsopathies and rheumatism.....(710-729)	307	231	538	0.9
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....(730-739)	64	20	84	0.1
Congenital Anomalies.....(740-759)	1711	1317	3028	5.2
Birth trauma.....(767)	32	13	45	0.08
Birth injury and difficult labor.....(768;772)	936	628	1564	2.7
Respiratory conditions of fetus and newborn.....(769-771)	3819	2555	6374	10.9
Hemolytic diseases of fetus and newborn.....(773;774)	67	35	102	0.2
Hematological disorders of fetus and newborn.....(776)	26	10	36	0.06
Other causes of perinatal morbidity and mortality.....				
.....(760-763;764-766;775;777-779)	5120	3653	8773	14.9



MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	UNDER 1 YEAR				1 - 4 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	0	0	0	-	0	0	0	-
Other diseases of digestive system.....	238	131	369	21.4	200	128	328	5.0
Nephritis, nephrotic syndrome and nephrosis.....	45	35	80	4.6	99	70	169	2.6
Infection of kidney.....	1	0	1	0.06	2	1	3	0.05
Calculus of kidney, ureter and lower urinary tract.....	0	0	0	-	0	0	0	-
Hyperplasia of prostate.....	0	0	0	-	0	0	0	-
Other diseases of genito-urinary system.....	24	8	32	1.9	11	13	24	0.4
Pregnancy with abortive outcome....	0	0	0	-	0	0	0	-
Hemorrhages related to pregnancy...	0	0	0	-	0	0	0	-
Hypertension complicating pregnancy childbirth and puerperium.....	0	0	0	-	0	0	0	-
Postpartum hemorrhage.....	0	0	0	-	0	0	0	-
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium...	0	0	0	-	0	0	0	-
Diseases of the skin and subcutaneous tissues.....	33	26	59	3.4	10	15	25	0.4
Arthropathies, dorsopathies and rheumatism.....	11	6	17	1.0	0	0	0	-
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	2	1	3	0.2	0	2	2	0.03
Congenital Anomalies.....	1302	986	2288	132.6	197	154	351	5.3
Birth trauma.....	32	13	45	2.6	0	0	0	-
Birth injury and difficult labor.....	936	628	1564	90.6	0	0	0	-
Respiratory conditions of fetus and newborn.....	3819	2555	6374	369.4	0	0	0	-
Hemolytic diseases of fetus and newborn.....	67	35	102	5.9	0	0	0	-
Hematological disorders of fetus and newborn.....	26	10	36	2.1	0	0	0	-
Other causes of perinatal morbidity and mortality.....	5120	3653	8773	508.5	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

211

C A U S E	5 - 9 YEARS				10 - 14 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	1	2	3	0.04	1	0	1	0.01
Other diseases of digestive system.....	135	62	197	2.6	68	45	113	1.6
Nephritis, nephrotic syndrome and nephrosis.....	56	46	102	1.3	44	35	79	1.1
Infection of kidney.....	3	2	5	0.06	2	4	6	0.08
Calculus of kidney, ureter and lower urinary tract.....	0	0	0	-	0	0	0	-
Hyperplasia of prostate.....	0	0	0	-	0	0	0	-
Other diseases of genito-urinary system.....	13	5	18	0.2	3	7	10	0.1
Pregnancy with abortive outcome....	0	0	0	-	0	10	10	0.1
Hemorrhages related to pregnancy...	0	0	0	-	0	15	15	0.2
Hypertension complicating pregnancy childbirth and puerperium.....	0	0	0	-	0	16	16	0.2
Postpartum hemorrhage.....	0	0	0	-	0	4	4	0.06
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium...	0	0	0	-	0	229	229	3.2
Diseases of the skin and subcutaneous tissues.....	6	4	10	0.1	8	5	13	0.2
Arthropathies, dorsopathies and rheumatism.....	2	0	2	0.03	4	3	7	0.1
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	3	1	4	0.05	2	1	3	0.04
Congenital Anomalies.....	55	49	104	1.3	41	34	75	1.1
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	5	3	8	0.1	9	2	11	0.2
Other diseases of digestive system.....	108	42	150	2.4	209	53	262	4.7
Nephritis, nephrotic syndrome and nephrosis.....	96	48	144	2.3	101	70	171	3.0
Infection of kidney.....	3	7	10	0.2	11	5	16	0.3
Calculus of kidney, ureter and lower urinary tract.....	0	0	0	-	1	1	2	0.04
Hyperplasia of prostate.....	0	0	0	-	1	0	1	0.02
Other diseases of genito-urinary system.....	6	10	16	0.3	14	28	42	0.7
Pregnancy with abortive outcome....	0	7	7	0.1	0	19	19	0.3
Hemorrhages related to pregnancy...	0	4	4	0.06	0	12	12	0.2
Hypertension complicating pregnancy, childbirth and puerperium.....	0	22	22	0.4	0	34	34	0.6
Postpartum hemorrhage.....	0	30	30	0.5	0	77	77	1.4
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium...	0	10	10	0.2	0	45	45	0.8
Diseases of the skin and subcutaneous tissues.....	4	10	14	0.2	9	7	16	0.3
Arthropathies, dorsopathies and rheumatism.....	6	6	12	0.2	4	5	9	0.2
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	3	0	3	0.05	2	0	2	0.04
Congenital Anomalies.....	26	27	53	0.8	20	16	36	0.6
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

213

C A U S E	25 - 29 YEARS				30 - 34 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	5	1	6	0.1	1	6	7	0.2
Other diseases of digestive system.....	284	63	347	7.1	258	51	309	7.3
Nephritis, nephrotic syndrome and nephrosis.....	124	72	196	4.0	120	79	199	4.7
Infection of kidney.....	8	10	18	0.4	4	4	8	0.2
Calculus of kidney, ureter and lower urinary tract.....	1	0	1	0.02	3	0	3	0.07
Hyperplasia of prostate.....	0	0	0	-	0	0	0	-
Other diseases of genito-urinary system.....	13	21	34	0.7	13	33	46	1.1
Pregnancy with abortive outcome....	0	34	34	0.7	0	33	33	0.8
Hemorrhages related to pregnancy...	0	17	17	0.3	0	26	26	0.6
Hypertension complicating pregnancy, childbirth and puerperium.....	0	50	50	1.0	0	55	55	1.3
Postpartum hemorrhage.....	0	95	95	1.9	0	81	81	1.9
Normal delivery and other complications related to pregnancy, occurring in the course of labor, delivery & puerperium....	0	55	55	1.1	0	61	61	1.4
Diseases of the skin and subcutaneous tissues.....	8	7	15	0.3	6	7	13	0.3
Arthropathies, dorsopathies and rheumatism.....	2	5	7	0.1	2	6	8	0.2
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	2	0	2	0.04	2	0	2	0.05
Congenital Anomalies.....	13	7	20	0.4	9	1	10	0.2
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	35 - 39 YEARS				40 - 44 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	4	7	11	0.3	4	2	6	0.2
Other diseases of digestive system.....	224	69	293	8.6	183	50	233	8.8
Nephritis, nephrotic syndrome and nephrosis.....	138	96	234	6.8	134	82	215	8.1
Infection of kidney.....	11	7	18	0.5	18	12	30	1.1
Calculus of kidney, ureter & lower urinary tract.....	4	0	4	0.1	2	0	2	0.08
Hyperplasia of prostate.....	0	0	0	-	0	0	0	-
Other diseases of genito-urinary system.....	19	23	42	1.2	18	20	38	1.4
Pregnancy with abortive outcome....	0	18	18	0.5	0	11	11	0.4
Hemorrhages related to pregnancy...	0	21	21	0.6	0	18	18	0.7
Hypertension complicating pregnancy, childbirth and puerperium.....	0	51	51	1.5	0	29	29	1.1
Postpartum hemorrhage.....	0	97	97	2.8	0	39	39	1.5
Normal delivery and other complications related to pregnancy, occurring in the course of labor, delivery & puerperium...	0	52	52	1.5	0	18	18	0.7
Diseases of the skin and subcutaneous tissues.....	7	4	11	0.3	8	6	14	0.5
Arthropathies, dorsopathies and rheumatism.....	0	4	4	0.1	5	6	11	0.4
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	5	1	6	0.2	1	1	2	0.08
Congenital Anomalies.....	8	4	12	0.4	3	3	6	0.2
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968

215

C A U S E	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	5	6	11	0.5	5	8	13	0.8
Other diseases of digestive system.....	184	53	237	10.9	182	66	248	14.7
Nephritis, nephrotic syndrome and nephrosis.....	145	102	247	11.3	170	104	274	16.3
Infection of kidney.....	14	10	24	1.1	16	10	26	1.5
Calculus of kidney, ureter and lower urinary tract.....	3	1	4	0.2	1	4	5	0.3
Hyperplasia of prostate.....	0	0	0	-	2	0	2	0.1
Other diseases of genito-urinary system.....	28	17	45	2.1	17	18	35	2.1
Pregnancy with abortive outcome....	0	5	5	0.2	0	9	9	0.5
Hemorrhages related to pregnancy...	0	3	3	0.1	0	4	4	0.2
Hypertension complicating pregnancy, childbirth and puerperium.....	0	25	25	1.1	0	261	261	15.5
Postpartum hemorrhage.....	0	8	8	0.4	0	10	10	0.6
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium...	0	3	3	0.1	0	22	22	1.3
Diseases of the skin and subcutaneous tissues.....	7	7	14	0.6	10	7	17	1.0
Arthropathies, dorsopathies and rheumatism.....	7	4	11	0.5	11	10	21	1.2
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	8	1	9	0.4	3	1	4	0.2
Congenital Anomalies.....	2	4	6	0.3	2	6	8	0.5
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	55 - 59 YEARS				60 - 64 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	1	5	6	0.4	4	5	9	0.6
Other diseases of digestive system.....	188	78	266	19.1	128	77	205	18.7
Nephritis, nephrotic syndrome and nephrosis.....	180	145	325	23.4	208	137	345	31.5
Infection of kidney.....	17	17	34	2.4	22	16	38	3.5
Calculus of kidney, ureter and lower urinary tract.....	10	1	11	0.8	4	7	11	1.0
Hyperplasia of prostate.....	1	0	1	0.07	1	0	1	0.09
Other diseases of genito-urinary system.....	25	31	56	4.0	39	33	72	6.6
Pregnancy with abortive outcome....	0	0	0	-	0	0	0	-
Hemorrhages related to pregnancy...	0	0	0	-	0	0	0	-
Hypertension complicating pregnancy; childbirth and puerperium.....	0	0	0	-	0	0	0	-
Postpartum hemorrhage.....	0	0	0	-	0	0	0	-
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium...	0	0	0	-	0	0	0	-
Diseases of the skin and subcutaneous tissues.....	12	8	20	1.4	17	7	24	2.2
Arthropathies, dorsopathies and rheumatism.....	15	8	23	1.7	15	11	26	2.4
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	4	1	5	0.4	3	2	5	0.5
Congenital Anomalies.....	7	4	11	0.8	3	4	7	0.6
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

217

C A U S E	65 - 69 YEARS				70 YEARS & OVER			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract.....	4	7	11	1.3	25	31	56	4.3
Other diseases of digestive system.....	149	61	230	26.8	377	261	639	48.7
Nephritis, nephrotic syndrome and nephrosis.....	263	192	455	53.0	1026	669	1695	129.4
Infection of kidney.....	28	18	46	5.4	90	62	152	11.6
Calculus of kidney, ureter and lower urinary tract.....	5	1	6	0.7	22	8	30	2.3
Hyperplasia of prostate.....	2	0	2	0.2	38	0	38	2.9
Other diseases of genito-urinary system.....	39	33	72	8.4	166	156	322	24.6
Pregnancy with abortive outcome....	0	0	0	-	0	0	0	-
Hemorrhages related to pregnancy...	0	0	0	-	0	0	0	-
Hypertension complicating pregnancy; childbirth and puerperium.....	0	0	0	-	0	0	0	-
Postpartum hemorrhage.....	0	0	0	-	0	0	0	-
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium...	0	0	0	-	0	0	0	-
Diseases of the skin and subcutaneous tissues.....	16	10	26	3.0	45	43	88	6.7
Arthropathies, dorsopathies and rheumatism.....	25	19	44	5.1	198	138	336	25.6
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	7	0	7	0.8	17	8	25	1.9
Congenital Anomalies.....	3	1	4	0.5	20	17	37	2.8
Birth trauma.....	0	0	0	-	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-	0	0	0	-



TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	NOT STATED			
	MALE	FEMALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of of the biliary tract.....	0	0	0	-
Other diseases of digestive system.....	0	0	0	-
Nephritis, nephrotic syndrome and nephrosis.....	0	0	0	-
Infection of kidney.....	0	0	0	-
Calculus of kidney, ureter and lower urinary tract.....	0	0	0	-
Hyperplasia of prostate.....	0	0	0	-
Other diseases of genito-urinary system.....	0	0	0	-
Pregnancy with abortive outcome.....	0	0	0	-
Hemorrhages related to pregnancy.....	0	0	0	-
Hypertension complicating pregnancy, childbirth and puerperium.....	0	0	0	-
Postpartum hemorrhage.....	0	0	0	-
Normal delivery and other complications related to pregnancy, occurring in the course of labor, delivery and puerperium.....	0	0	0	-
Diseases of the skin and subcutaneous tissues.....	0	0	0	-
Arthropathies, dorsopathies and rheumatism.....	0	0	0	-
Osteopathies, chonoropathies and acquired musculoskeletal deformities.....	0	0	0	-
Congenital Anomalies.....	0	0	0	-
Birth trauma.....	0	0	0	-
Birth injury and difficult labor.....	0	0	0	-
Respiratory conditions of fetus and newborn.....	0	0	0	-
Hemolytic diseases of fetus and newborn.....	0	0	0	-
Hematological disorders of fetus and newborn.....	0	0	0	-
Other causes of perinatal morbidity and mortality.....	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

219

C A U S E	ALL AGES			
	MALE	FEMALE	BOTH SEXES	RATE
Senility without mention of psychoses. (797)	5311	6919	12230	20.8
Symptoms, signs and ill-defined conditions..... (780-796; 798-799)	6285	3546	9831	16.7
Fractures, dislocations, sprains and strains..... (800-848)	771	231	1002	1.7
Intracranial injury, excluding those with skull fracture.... (850-854; 950-957)	682	263	945	1.6
Internal injury of chest, abdomen and pelvis..... (860-869)	163	84	247	0.4
Open wounds..... (870-887; 890-897)	427	88	515	0.9
Burns..... (940-949)	199	168	367	0.6
Poisoning and toxic effects..... (960-989)	129	40	169	0.3
All others, and unspecified effects of external causes. (900-939; 958; 959; 990-999)	749	261	1010	1.7
Railway accidents..... (E800-E807)	31	25	56	0.1
Motor vehicle traffic accidents. (E810-E819)	1790	720	2510	4.3
Water and transport accidents... (E830-E838)	5	3	8	0.01
Air & space transport accidents. (E840-E845)	8	1	9	0.02
Other transport accidents..... (E820-E829; E846-E848)	17	4	21	0.04
Accidental poisoning, all kinds. (E850-E869)	128	80	208	0.4
Accidental falls..... (E880-E888)	403	147	550	0.9
Accidents caused by fires and flames..... (E890-E899)	43	20	63	0.1
Accidents due to natural and environmental..... (E900-E909)	387	117	504	0.9
Accidents caused by submersion, suffocation and foreign bodies..... (E910-E915)	1824	813	2637	4.5
All other accidents, including adverse effects in therapeutic use of drugs medicaments and other biological substances, and late effects of accidental injury..... (E870-E876; E878; E879; E916-E949)	549	86	635	1.1
Suicide & self-inflicted injury. (E950-E959)	195	111	306	0.5
Legal intervention..... (E970-E978)	7	1	8	0.01
Homicide and injury purposely inflicted by other persons.... (E960-E969)	118	23	141	0.2
Injury undetermined whether accidentally or purposely inflicted..... (E980-E989)	15475	1508	16983	28.9
Injury resulting from operations of war..... (E990-E999)	23	2	25	0.04

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	UNDER 1 YEAR				1 - 4 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses..	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	872	578	1450	84.0	491	439	930	14.2
Fractures, dislocations, sprains and strains.....	8	3	11	0.6	24	18	42	0.6
Intracranial injury, excluding those with skull fracture.....	16	11	27	1.6	24	22	46	0.7
Internal injury of chest, abdomen and pelvis.....	2	2	4	0.2	3	2	5	0.08
Open wounds.....	4	2	6	0.3	10	6	16	0.2
Burns.....	11	17	28	1.6	38	26	64	1.0
Poisoning and toxic effects.....	8	4	12	0.7	11	7	18	0.3
All others, and unspecified effects of external causes.....	32	19	51	3.0	25	26	51	0.8
Railway accidents.....	4	5	9	0.5	3	2	5	0.08
Motor vehicle traffic accidents.....	5	5	10	0.6	69	45	114	1.7
Water and transport accidents.....	0	0	0	-	0	1	1	0.02
Air & space transport accidents.....	0	0	0	-	0	0	0	-
Other transport accidents.....	0	0	0	-	1	0	1	0.02
Accidental poisoning, all kinds.....	0	0	0	-	4	3	7	0.1
Accidental falls.....	12	8	20	1.2	20	17	37	0.6
Accidents caused by fires & flames.....	2	3	5	0.3	2	7	9	0.1
Accidents due to natural and environmental.....	4	0	4	0.2	15	7	22	0.3
Accidents caused by submersion, suffocation & foreign bodies.....	26	22	48	2.8	336	205	541	8.2
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	5	1	6	0.3	16	6	22	0.3
Suicide and self-inflicted injury.....	0	0	0	-	0	0	0	-
Legal intervention.....	0	0	0	-	1	0	1	0.02
Homicide and injury purposely inflicted by other persons.....	0	0	0	-	2	0	2	0.03
Injury undetermined whether accidentally or purposely inflicted.....	32	13	45	2.6	52	49	101	1.5
Injury resulting from operations of war.....	2	0	2	0.1	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & rate/100,000 Pop.  
PHILIPPINES  
1988

221

C A U S E	5 - 9 YEARS				10 - 14 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses..	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	248	180	428	5.5	149	77	226	3.2
Fractures, dislocations, sprains and strains.....	52	29	81	1.0	31	9	40	0.6
Intracranial injury, excluding those with skull fracture.....	40	33	73	0.9	40	18	58	0.8
Internal injury of chest, abdomen and pelvis.....	8	2	10	0.1	3	4	7	0.1
Open wounds.....	9	4	13	0.2	8	7	15	0.2
Burns.....	19	21	40	0.5	15	9	24	0.3
Poisoning and toxic effects.....	2	3	5	0.06	3	0	3	0.04
All others, and unspecified effects of external causes.....	40	23	63	0.8	43	17	60	0.8
Railway accidents.....	2	1	3	0.04	1	1	2	0.03
Motor vehicle traffic accidents....	206	143	349	4.5	120	53	173	2.4
Water and transport accidents.....	0	1	1	0.01	2	0	2	0.03
Air & space transport accidents....	0	0	0	-	0	0	0	-
Other transport accidents.....	0	0	0	-	1	0	1	0.01
Accidental poisoning, all kinds....	2	0	2	0.03	7	1	8	0.1
Accidental falls.....	23	20	43	0.6	25	18	43	0.6
Accidents caused by fires & flames.	3	1	4	0.05	5	0	5	0.07
Accidents due to natural and environmental.....	52	19	71	0.9	59	20	79	1.1
Accidents caused by submersion, suffocation & foreign bodies.....	263	135	398	5.2	180	123	303	4.3
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	23	7	30	0.4	29	8	37	0.5
Suicide and self-inflicted injury.....	0	0	0	-	0	0	0	-
Legal intervention.....	0	0	0	-	0	0	0	-
Homicide and injury purposely inflicted by other persons.....	0	1	1	0.01	2	3	5	0.07
Injury undetermined whether accidentally or purposely inflicted.....	73	50	123	1.6	150	63	213	3.0
Injury resulting from operations of war.....	0	0	0	-	3	0	3	0.04

TABLE 25

MORTALITY: 150 50 CAUSE-GROUPS BY AGE AND SEX  
No. & rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses..	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	243	121	364	5.8	497	159	656	11.7
Fractures, dislocations, sprains and strains.....	54	20	74	1.2	67	19	86	1.5
Intracranial injury, excluding those with skull fracture.....	50	20	70	1.1	77	7	84	1.5
Internal injury of chest, abdomen and pelvis.....	14	3	17	0.3	15	10	25	0.4
Open wounds.....	17	8	25	0.4	46	5	51	0.9
Burns.....	15	17	32	0.5	32	12	44	0.8
Poisoning and toxic effects.....	5	6	11	0.2	19	5	24	0.4
All others, and unspecified effects of external causes.....	57	14	71	1.1	99	19	118	2.1
Railway accidents.....	1	0	1	0.02	0	0	0	-
Motor vehicle traffic accidents....	154	44	198	3.2	197	46	243	4.3
Water and transport accidents.....	0	0	0	-	0	0	0	-
Air & space transport accidents....	0	0	0	-	0	0	0	-
Other transport accidents.....	3	0	3	0.05	1	0	1	0.02
Accidental poisoning, all kinds....	21	26	47	0.7	28	17	45	0.8
Accidental falls.....	16	6	22	0.4	25	4	29	0.5
Accidents caused by fires & flames.	1	1	2	0.03	2	3	5	0.09
Accidents due to natural and environmental.....	37	11	48	0.8	32	6	38	0.7
Accidents caused by submersion, suffocation & foreign bodies.....	171	65	236	3.8	159	44	203	3.6
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	70	3	73	1.2	78	8	86	1.5
Suicide and self-inflicted injury.....	43	27	70	1.1	38	23	61	1.1
Legal intervention.....	0	0	0	-	1	1	2	0.04
Homicide and injury purposely inflicted by other persons.....	9	3	12	0.2	14	1	15	0.3
Injury undetermined whether accidentally or purposely inflicted.....	1110	207	1317	21.0	2552	181	2733	48.7
Injury resulting from operations of war.....	3	0	3	0.05	1	0	1	0.02

TABLE 25

MORTALITY: 150 SO CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

223

C A U S E	25 - 29 YEARS				30 - 34 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses...	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	527	189	716	14.6	430	154	584	13.8
Fractures, dislocations, sprains and strains.....	81	7	88	1.8	67	9	76	1.8
Intracranial injury, excluding those with skull fracture.....	68	11	79	1.6	62	9	71	1.7
Internal injury of chest, abdomen and pelvis.....	22	9	31	0.6	18	14	32	0.8
Open wounds.....	75	5	80	1.6	48	2	50	1.2
Burns.....	12	8	20	0.4	7	5	12	0.3
Poisoning and toxic effects.....	16	2	18	0.4	10	2	12	0.3
All others, and unspecified effects of external causes.....	95	16	111	2.3	76	13	89	2.1
Railway accidents.....	2	0	2	0.04	3	0	3	0.07
Motor vehicle traffic accidents.....	182	40	222	4.5	157	36	193	4.6
Water and transport accidents.....	2	0	2	0.04	1	0	1	0.02
Air & space transport accidents.....	1	0	1	0.02	1	0	1	0.02
Other transport accidents.....	1	0	1	0.02	0	1	1	0.02
Accidental poisoning, all kinds....	17	14	31	0.6	11	4	15	0.4
Accidental falls.....	22	4	26	0.5	24	1	25	0.6
Accidents caused by fires & flames.	4	1	5	0.1	6	0	6	0.1
Accidents due to natural and environmental.....	37	11	48	1.0	30	6	36	0.9
Accidents caused by submersion, suffocation & foreign bodies.....	146	29	175	3.6	101	27	128	3.0
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	74	11	85	1.7	52	8	60	1.4
Suicide and self-inflicted injury.....	29	18	47	1.0	19	8	27	0.6
Legal intervention.....	0	0	0	-	1	0	1	0.02
Homicide and injury purposely inflicted by other persons.....	24	2	26	0.5	17	4	21	0.5
Injury undetermined whether accidentally or purposely inflicted.....	2752	190	2942	60.0	2372	125	2497	59.1
Injury resulting from operations of war.....	1	0	1	0.02	3	0	3	0.07

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	35 - 39 YEARS				40 - 44 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses...	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	388	142	530	15.5	308	99	407	15.4
Fractures, dislocations, sprains and strains.....	79	6	85	2.5	51	8	59	2.2
Intracranial injury, excluding those with skull fracture.....	65	13	78	2.3	43	13	56	2.1
Internal injury of chest, abdomen and pelvis.....	21	17	38	1.1	16	3	19	0.7
Open wounds.....	49	8	57	1.7	33	2	35	1.3
Burns.....	11	5	16	0.5	5	4	9	0.3
Poisoning and toxic effects.....	15	2	17	0.5	11	1	12	0.5
All others, and unspecified effects of external causes.....	51	15	66	1.9	40	5	45	1.7
Railway accidents.....	2	1	3	0.09	1	1	2	0.08
Motor vehicle traffic accidents....	162	34	196	5.7	113	48	161	6.1
Water and transport accidents.....	0	0	0	-	0	0	0	-
Air & space transport accidents....	2	0	2	0.06	1	1	2	0.08
Other transport accidents.....	2	0	2	0.06	4	0	4	0.2
Accidental poisoning, all kinds....	8	1	9	0.3	7	1	8	0.3
Accidental falls.....	26	0	26	0.8	28	2	30	1.1
Accidents caused by fires & flames.	4	0	4	0.1	3	0	3	0.1
Accidents due to natural and environmental.....	22	5	27	0.8	18	5	23	0.9
Accidents caused by submersion, suffocation & foreign bodies.....	83	16	99	2.9	67	22	89	3.4
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	53	7	60	1.8	36	5	41	1.5
Suicide and self-inflicted injury.....	14	11	25	0.7	10	5	15	0.6
Legal intervention.....	1	0	1	0.03	1	0	1	0.04
Homicide and injury purposely inflicted by other persons.....	19	1	20	0.6	7	2	9	0.3
Injury undetermined whether accidentally or purposely inflicted.....	2047	124	2171	63.4	1293	122	1415	53.5
Injury resulting from operations of war.....	1	0	1	0.03	3	0	3	0.1

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & rate/100,000 Pop.  
PHILIPPINES  
1988

225

C A U S E	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses...	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	312	113	425	19.5	254	128	382	22.7
Fractures, dislocations, sprains and strains.....	55	8	63	2.9	44	10	54	3.2
Intracranial injury, excluding those with skull fracture.....	34	9	43	2.0	39	13	52	3.1
Internal injury of chest, abdomen and pelvis.....	9	2	11	0.5	5	3	8	0.5
Open wounds.....	36	6	42	1.9	26	6	32	1.9
Burns.....	5	5	10	0.5	9	2	11	0.7
Poisoning and toxic effects.....	7	1	8	0.4	7	2	9	0.5
All others, and unspecified effects of external causes.....	31	13	44	2.0	44	10	54	3.2
Railway accidents.....	1	2	3	0.1	3	0	3	0.2
Motor vehicle traffic accidents.....	89	32	121	5.6	79	30	109	6.5
Water and transport accidents.....	0	0	0	-	0	0	0	-
Air & space transport accidents.....	0	0	0	-	1	0	1	0.06
Other transport accidents.....	0	0	0	-	2	0	2	0.1
Accidental poisoning, all kinds....	1	3	4	0.2	3	3	6	0.4
Accidental falls.....	25	3	28	1.3	27	6	33	2.0
Accidents caused by fires & flames.....	1	0	1	0.05	1	0	1	0.06
Accidents due to natural and environmental.....	17	7	24	1.1	17	6	23	1.4
Accidents caused by submersion, suffocation & foreign bodies.....	61	23	84	3.9	48	10	58	3.4
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	20	5	25	1.1	23	2	25	1.5
Suicide and self-inflicted injury.....	11	4	15	0.7	8	4	12	0.7
Legal intervention.....	0	0	0	-	0	0	0	-
Homicide and injury purposely inflicted by other persons.....	7	2	9	0.4	4	2	6	0.4
Injury undetermined whether accidentally or purposely inflicted.....	1099	83	1182	54.2	685	84	769	45.7
Injury resulting from operations of war.....	1	0	1	0.05	1	0	1	0.06



TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

C A U S E	55 - 59 YEARS				60 - 64 YEARS			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses...	0	0	0	-	0	0	0	-
Symptoms, signs and ill-defined conditions.....	231	118	349	25.1	310	177	487	44.5
Fractures, dislocations, sprains and strains.....	33	10	43	3.1	34	13	47	4.3
Intracranial injury, excluding those with skull fracture.....	21	17	38	2.7	23	11	34	3.1
Internal injury of chest, abdomen and pelvis.....	6	2	8	0.6	7	2	9	0.8
Open wounds.....	16	4	20	1.4	18	7	25	2.3
Burns.....	2	6	8	0.6	6	2	8	0.7
Poisoning and toxic effects.....	7	2	9	0.6	1	2	3	0.3
All others, and unspecified effects of external causes.....	26	11	37	2.7	17	5	22	2.0
Railway accidents.....	0	3	3	0.2	4	1	5	0.5
Motor vehicle traffic accidents.....	57	25	82	5.9	57	42	99	9.1
Water and transport accidents.....	0	0	0	-	0	0	0	-
Air & space transport accidents.....	0	0	0	-	0	0	0	-
Other transport accidents.....	0	1	1	0.07	1	2	3	0.3
Accidental poisoning, all kinds.....	0	2	2	0.1	9	1	10	0.9
Accidental falls.....	20	2	22	1.6	31	9	40	3.7
Accidents caused by fires & flames.....	0	0	0	-	1	0	1	0.09
Accidents due to natural and environmental.....	19	5	24	1.7	8	3	11	1.0
Accidents caused by submersion, suffocation & foreign bodies.....	46	17	63	4.5	37	16	53	4.8
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	28	4	32	2.3	18	3	21	1.9
Suicide and self-inflicted injury.....	6	2	8	0.6	4	2	6	0.5
Legal intervention.....	1	0	1	0.07	1	0	1	0.09
Homicide and injury purposely inflicted by other persons.....	4	0	4	0.3	4	1	5	0.5
Injury undetermined whether accidentally or purposely inflicted.....	483	71	554	39.9	248	40	288	26.3
Injury resulting from operations of war.....	0	1	1	0.07	0	0	0	-

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE AND SEX  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1988

227

C A U S E	65 - 69 YEARS				70 YEARS & OVER			
	MALE	FE- MALE	BOTH SEXES	RATE	MALE	FE- MALE	BOTH SEXES	RATE
Senility w/o mention of psychoses..	110	106	216	25.2	5201	6811	12012	916.7
Symptoms, signs and ill-defined conditions.....	228	160	388	45.2	797	712	1509	115.2
Fractures, dislocations, sprains and strains.....	24	14	38	4.4	67	48	115	8.8
Intracranial injury, excluding those with skull fracture.....	20	10	30	3.5	60	46	106	8.1
Internal injury of chest, abdomen and pelvis.....	5	5	10	1.2	9	4	13	1.0
Open wounds.....	5	1	6	0.7	27	15	42	3.2
Burns.....	2	7	9	1.0	10	22	32	2.4
Poisoning and toxic effects.....	0	0	0	-	7	1	8	0.6
All others, and unspecified effects of external causes.....	22	15	37	4.3	51	40	91	6.9
Railway accidents.....	1	0	1	0.1	3	8	11	0.8
Motor vehicle traffic accidents....	47	25	72	8.4	96	72	168	12.8
Water and transport accidents.....	0	0	0	-	0	1	1	0.08
Air & space transport accidents....	0	0	0	-	2	0	2	0.2
Other transport accidents.....	0	0	0	-	1	0	1	0.08
Accidental poisoning, all kinds....	4	2	6	0.7	6	2	8	0.6
Accidental falls.....	21	8	29	3.4	58	39	97	7.4
Accidents caused by fires & flames.	0	0	0	-	8	4	12	0.9
Accidents due to natural and environmental.....	13	3	16	1.9	7	3	10	0.8
Accidents caused by submersion, suffocation & foreign bodies.....	22	15	37	4.3	78	44	122	9.3
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury.....	7	2	9	1.0	17	6	23	1.8
Suicide and self-inflicted injury.....	5	3	8	0.9	8	4	12	0.9
Legal intervention.....	0	0	0	-	0	0	0	-
Homicide and injury purposely inflicted by other persons.....	5	0	5	0.6	0	1	1	0.08
Injury undetermined whether accidentally or purposely inflicted.....	168	34	202	23.5	356	71	427	32.6
Injury resulting from operations of war.....	0	1	1	0.1	4	0	4	0.3

TABLE 25

MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX  
 No. & Rate/100,000 Pop.  
 PHILIPPINES  
 1988

C A U S E	NOT STATED			
	MALE	FEMALE	BOTH SEXES	RATE
Senility without mention of psychoses....	0	2	2	-
Symptoms, signs and ill-defined conditions.....	0	0	0	-
Fractures, dislocations, sprains and strains.....	0	0	0	-
Intracranial injury, excluding those with skull fracture.....	0	0	0	-
Internal injury of chest, abdomen and pelvis.....	0	0	0	-
Open wounds.....	0	0	0	-
Burns.....	0	0	0	-
Poisoning and toxic effects.....	0	0	0	-
All others, and unspecified effects of external causes.....	0	0	0	-
Railway accidents.....	0	0	0	-
Motor vehicle traffic accidents.....	0	0	0	-
Water and transport accidents.....	0	0	0	-
Air and space transport accidents.....	0	0	0	-
Other transport accidents.....	0	0	0	-
Accidental poisoning, all kinds.....	0	0	0	-
Accidental falls.....	0	0	0	-
Accidents caused by fires and flames.....	0	0	0	-
Accidents due to natural and environmental.....	0	0	0	-
Accidents caused by submersion, suffocation and foreign bodies.....	0	0	0	-
All other accidents, including adverse effects in therapeutic use of drugs medicaments and other biological substances, and late effects of accidental injury.....	0	0	0	-
Suicide and self-inflicted injury.....	0	0	0	-
Legal intervention.....	0	0	0	-
Homicide and injury purposely inflicted by other persons.....	0	0	0	-
Injury undetermined whether accidentally or purposely inflicted.....	3	1	4	-
Injury resulting from operations of war.....	0	0	0	-

TABLE 26

229

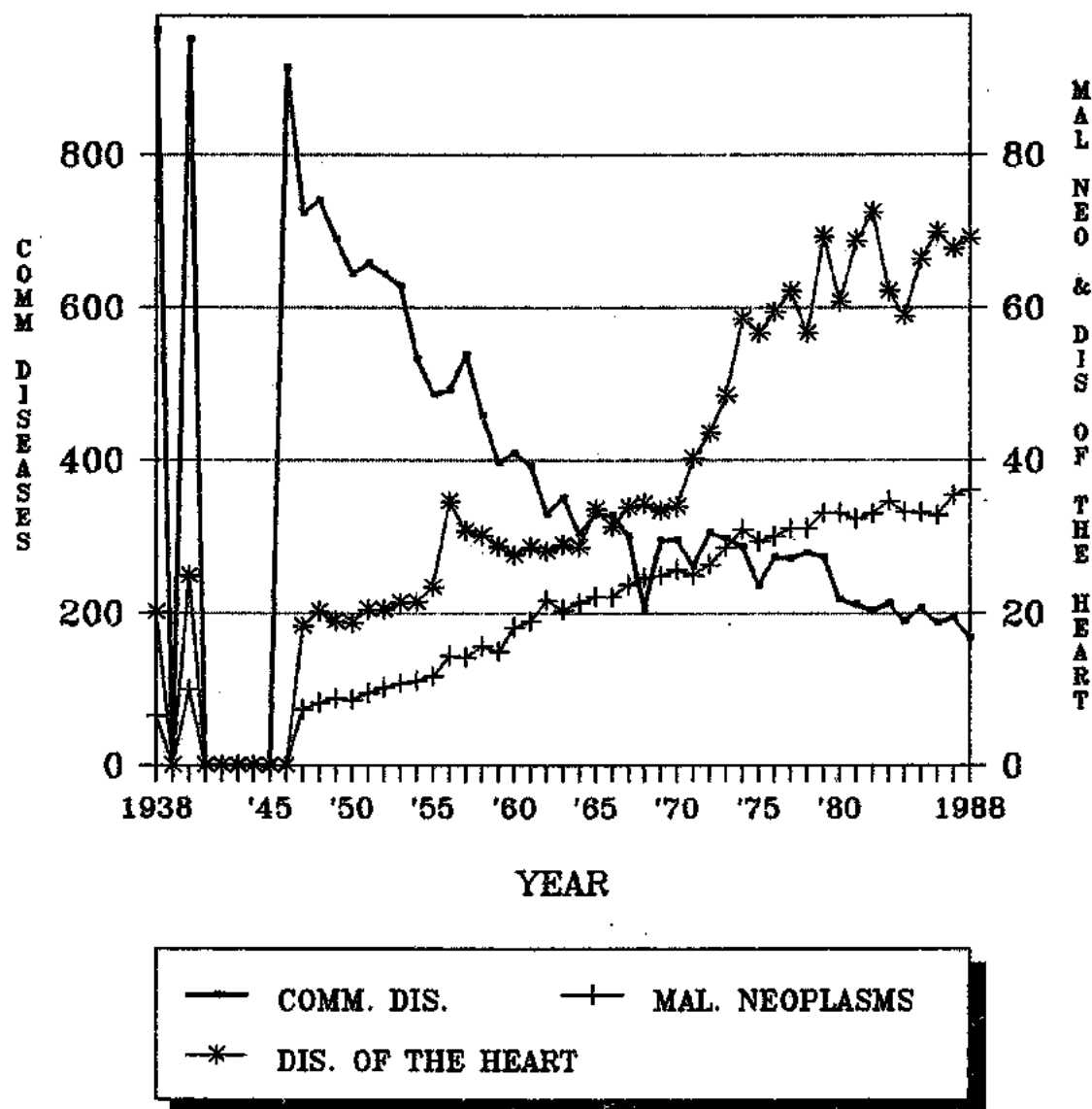
MORTALITY: 17 CAUSE GROUPS  
No. & Rate/100,000 Pop. & Percent Distribution  
PHILIPPINES  
1988

CAUSE GROUP	MALE	FEMALE	BOTH SEXES	RATE	% OF TOTAL DEATHS
TOTAL DEATHS FROM ALL CAUSES.....	192044	133054	325098	553.6	100.0
Infective and parasitic diseases.....(001-136)	33408	22101	55509	94.5	17.1
Neoplasms.....(140-239)	11436	9748	21184	36.1	6.5
Endocrine, Nutritional and Metabolic Diseases.....(250-279)	5763	5430	11193	19.1	3.4
Diseases of Blood and Blood Forming Organs.....(280-289)	1387	1303	2690	4.6	0.8
Mental Disorder.....(290-319)	317	111	428	0.7	0.1
Diseases of the Nervous System and Sense Organs.....(320-389)	3006	2386	5392	9.2	1.7
Diseases of Circulatory System.....(390-459)	41105	30965	72070	122.7	22.2
Diseases of the Respiratory System.....(460-519)	34328	28892	63220	107.7	19.4
Diseases of Digestive System.....(520-579)	9539	3832	13371	22.8	4.1
Diseases of Genito-Urinary System.....(580-629)	3748	2645	6393	10.9	2.0
Complication of pregnancy and the puerperium.....(630-676)	0	1745	1745	3.0	0.5
Diseases of the skin and subcutaneous tissues.....(680-709)	206	173	379	0.6	0.1
Diseases of musculoskeletal system and connective tissue.....(710-739)	371	251	622	1.1	0.2
Congenital Anomalies.....(740-759)	1711	1317	3028	5.2	0.9
Certain causes of perinatal morbidity and mortality... (760-779)	10000	6894	16894	28.8	5.2
Symptoms and ill-defined conditions.....(780-799)	11596	10465	22061	37.6	6.8
Accidents, poisoning and violence (External Causes).....(800-999;E800-E999)	24123	4796	28919	49.2	9.0

MORTALITY: COMMUNICABLE DISEASES; MALIGNANT NEOPLASMS  
AND DISEASES OF THE HEART  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1938-1988

Y E A R	COMMUNICABLE DISEASES		MALIGNANT NEOPLASMS		DISEASES OF THE HEART	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1988.....	98997	168.6	21184	36.1	40566	69.1
1987.....	111383	194.2	20367	35.5	38840	67.7
1986.....	104792	187.1	18395	32.8	39163	69.9
1985.....	112998	206.7	18143	33.2	36242	66.3
1984.....	101119	190.1	17700	33.9	31347	58.9
1983.....	110513	212.6	17997	34.6	32320	62.2
1982.....	103868	204.5	16832	33.1	36819	72.5
1981.....	104740	211.4	16059	32.4	34055	68.7
1980.....	105281	217.9	16019	33.2	29355	60.8
1979.....	127453	273.6	15449	33.2	29473	69.3
1978.....	127413	279.9	14158	31.1	25768	56.6
1977.....	122266	271.7	13977	31.1	28006	62.2
1976.....	119738	273.7	13173	30.1	25988	59.4
1975.....	100299	235.9	12493	29.4	24060	56.6
1974.....	119394	288.0	12469	31.0	23522	58.5
1973.....	119737	297.7	11490	28.6	19474	48.4
1972.....	119268	305.5	10268	26.3	16971	43.5
1971.....	99239	261.4	9480	25.0	15277	40.2
1970.....	109103	296.1	9485	25.7	12531	34.0
1969.....	109649	295.1	9256	24.9	12423	33.4
1968.....	110024	206.6	8712	24.7	12347	34.3
1967.....	104149	300.5	8229	23.7	11739	33.9
1966.....	110046	328.7	7382	22.1	10514	31.4
1965.....	107043	330.9	7186	22.2	10854	33.6
1964.....	95308	304.8	6658	21.3	8930	28.6
1963.....	105999	350.5	6198	20.5	8769	29.0
1962.....	96715	330.6	6347	21.7	8209	28.1
1961.....	111273	393.0	5392	19.0	8112	28.6
1960.....	112075	408.9	4982	18.2	7570	27.6
1959.....	106814	396.7	4026	15.0	7758	28.8
1958.....	119451	457.7	4100	15.7	7887	30.2
1957.....	135829	537.0	3582	14.2	7797	30.8
1956.....	120223	490.4	3528	14.4	8423	34.7
1955.....	115284	485.5	2786	11.7	5559	23.4
1954.....	122671	532.8	2550	11.1	4942	21.5
1953.....	140241	628.4	2404	10.8	4769	21.3
1952.....	133308	644.1	2201	10.2	4430	20.5
1951.....	137830	657.5	1985	9.5	4282	20.4
1950.....	130849	644.1	1748	8.6	3808	18.7
1949.....	135883	690.1	1725	8.8	3750	19.0
1948.....	141785	740.6	1585	8.3	3873	20.2
1947.....	136036	724.1	1397	7.4	3440	18.3
1946.....	168452	913.8	*	-	*	-
1945-1941.....	*	-	*	-	*	-
1940.....	156391	950.1	1650	10.0	4096	24.9
1939.....	*	-	*	-	*	-
1938.....	152098	961.8	1495	6.6	3182	20.1

**MORTALITY TREND: COMMUNICABLE DISEASES  
MAL. NEOPLASMS, DISEASES OF THE HEART  
RATE/100,000 POP., PHILIPPINES, 1987**



Note: No data for years 1939, 1941-45,  
1946 for mal. neo. & dis. of the heart

Fig. 27

TABLE 28

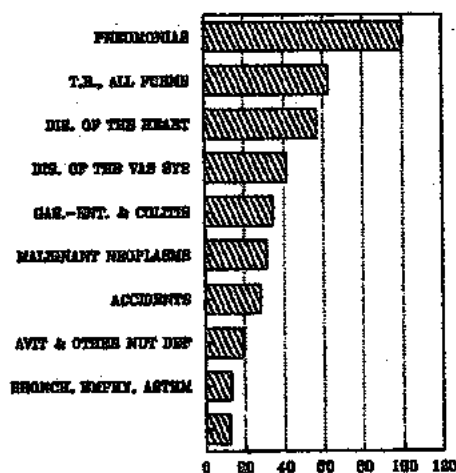
MORTALITY: TEN (10) LEADING CAUSES  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1968, 1978 and 1988

232

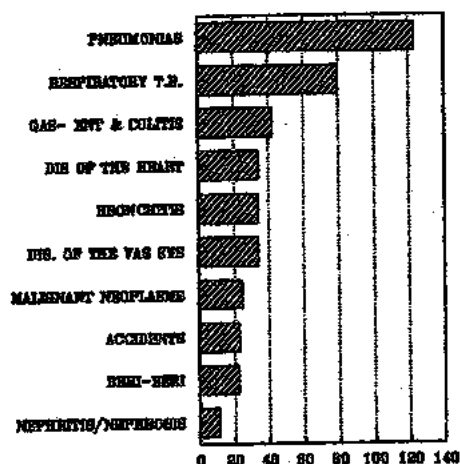
C A U S E	1 9 8 8		C A U S E	1 9 7 8	
	NUMBER	RATE		NUMBER	RATE
Pneumonias.....	47444	80.8	Pneumonias.....	45667	100.3
Diseases of the Heart.....	40566	69.1	Tuberculosis, All Forms.....	28398	62.4
Diseases of the Vascular System.....	31504	53.7	Diseases of the Heart.....	25768	56.6
Tuberculosis, All Forms.....	27020	46.0	Diseases of the Vascular System.....	18783	41.3
Malignant Neoplasms.....	21184	36.1	Gastro-Enteritis and Colitis.....	15717	34.5
Accidents.....	11456	19.5	Malignant Neoplasms..	14158	31.1
Diarrheal Diseases.....	10511	17.9	Accidents.....	12774	28.1
Measles.....	7775	13.2	Avitaminoses & other Nutritional Deficiency..	8756	19.2
Nephritis, Nephrotic Syndrome and Nephrosis.....	4930	8.4	Bronchitis, Emphysema and Asthma.....	5929	13.0
Septicemia.....	4694	8.0	Measles.....	5605	12.3

C A U S E	1 9 6 8	
	NUMBER	RATE
Pneumonias.....	43444	122.9
Respiratory Tuberculosis.	28097	79.5
Gastro-enteritis and Colitis.....	14795	41.9
Diseases of the Heart.....	12347	34.4
Bronchitis.....	11978	33.9
Diseases of the Vascular System.....	11948	33.8
Malignant Neoplasms.....	8712	24.7
Accidents.....	8100	22.9
Beri-beri.....	7982	22.6
Nephritis & Nephrosis....	3939	11.1

**MORTALITY: LEADING CAUSES**  
**RATE PER 100,000 POPULATION**  
**PHILIPPINES, 1978**



**MORTALITY: LEADING CAUSES**  
**RATE PER 100,000 POPULATION**  
**PHILIPPINES, 1968**



**MORTALITY: LEADING CAUSES**  
**RATE PER 100,000 POPULATION**  
**PHILIPPINES, 1988**

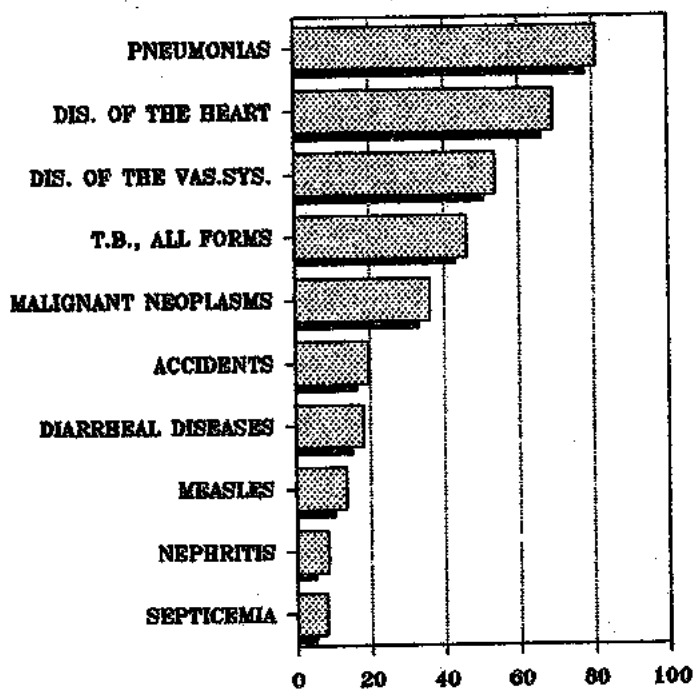


Fig. 28



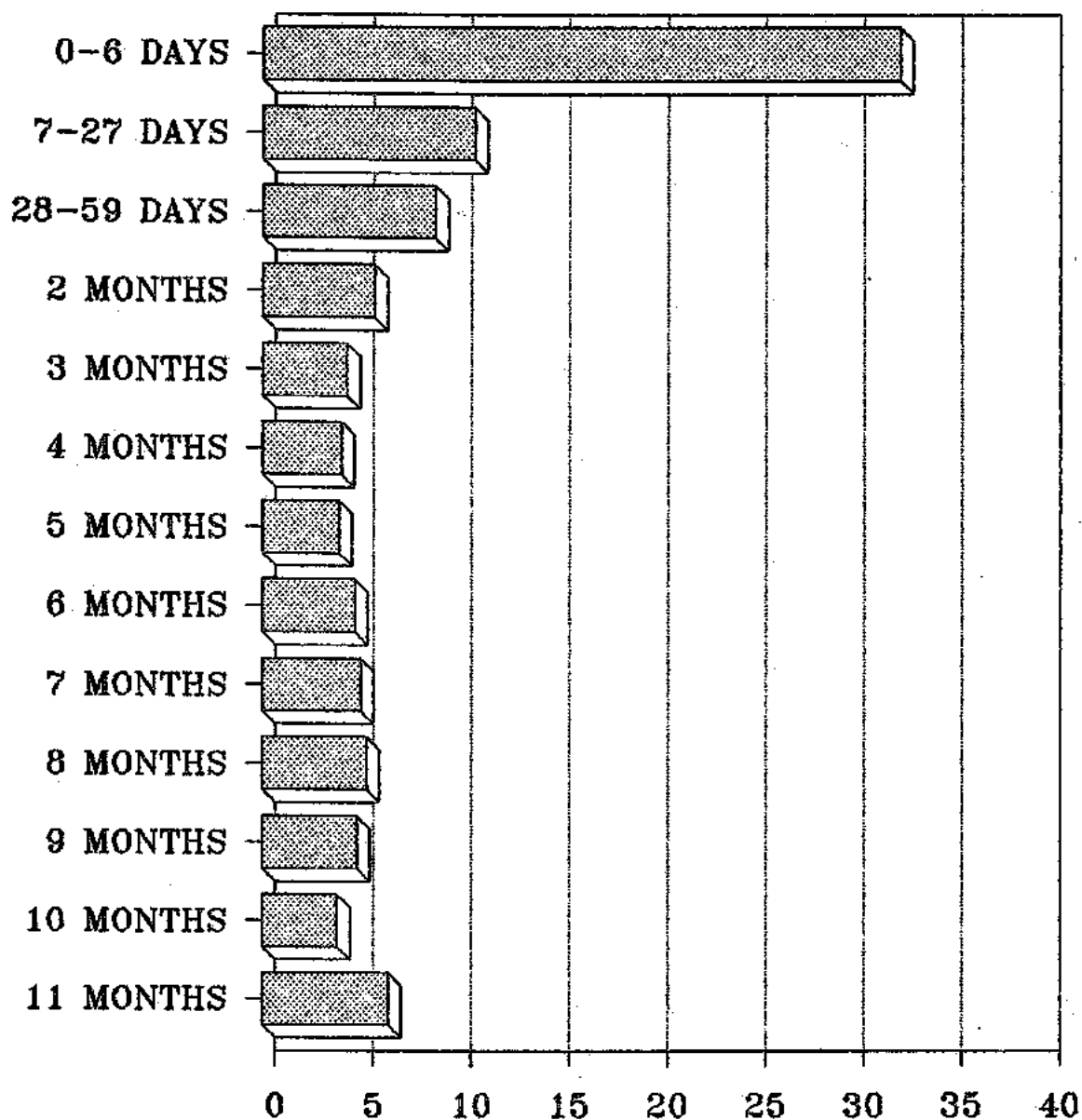
TABLE 29

INFANT MORTALITY: BY SMALLER AGE GROUPS  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
5-YEAR AVERAGE (1983-1987) & 1988

234

A G E	5-YEAR AVERAGE (1982-1986)				1 9 8 8			
	NUMBER	RATE PER 1000 l.b.	% OF NEO- NATAL DEATHS	% OF INFANT DEATHS	NUMBER	RATE PER 1000 l.b.	% OF NEO- NATAL DEATHS	% OF INFANT DEATHS
Under 1 Year.....	55767	37.3		100.0	47187	30.1		100.0
Under 28 Days.....	23069	15.4	100.0	41.4	20441	13.0	100.0	43.3
0 - 6 Days.....	17091	11.4	74.0	30.7	15338	9.8	75.0	32.5
7 - 13 Days.....	4327	2.9	18.8	7.8	2922	1.9	14.3	6.2
14 - 20 Days.....	912	0.6	4.0	1.6	1275	0.8	6.2	2.7
21 - 27 Days.....	739	0.5	3.2	1.3	906	0.5	4.5	1.9
28 Days to Under 1 year.....	32698	21.9		58.6	26746	17.1		56.7
28 - 59 Days.....	4895	3.3		8.8	4161	2.6		8.8
2 Months.....	2839	1.9		5.1	2674	1.7		5.7
3 Months.....	2280	1.5		4.1	2037	1.3		4.3
4 Months.....	2224	1.5		4.0	1891	1.2		4.0
5 Months.....	2270	1.5		4.1	1820	1.2		3.9
6 Months.....	2599	1.7		4.6	2191	1.4		4.7
7 Months.....	2820	1.9		5.0	2351	1.5		5.0
8 Months.....	3174	2.1		5.7	2510	1.6		5.3
9 Months.....	2904	2.0		5.2	2285	1.5		4.8
10 Months.....	2443	1.6		4.4	1810	1.2		3.8
11 Months.....	4250	2.9		7.6	3016	1.9		6.4

**INFANT DEATHS BY SMALLER AGE GROUPS  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988**



PERCENT OF INFANT DEATHS

Fig. 29

# INFANT MORTALITY

## NEONATAL & POST NEONATAL DEATH RATE

RATE/1,000 LIVEBIRTHS, PHILS., 1978-1988

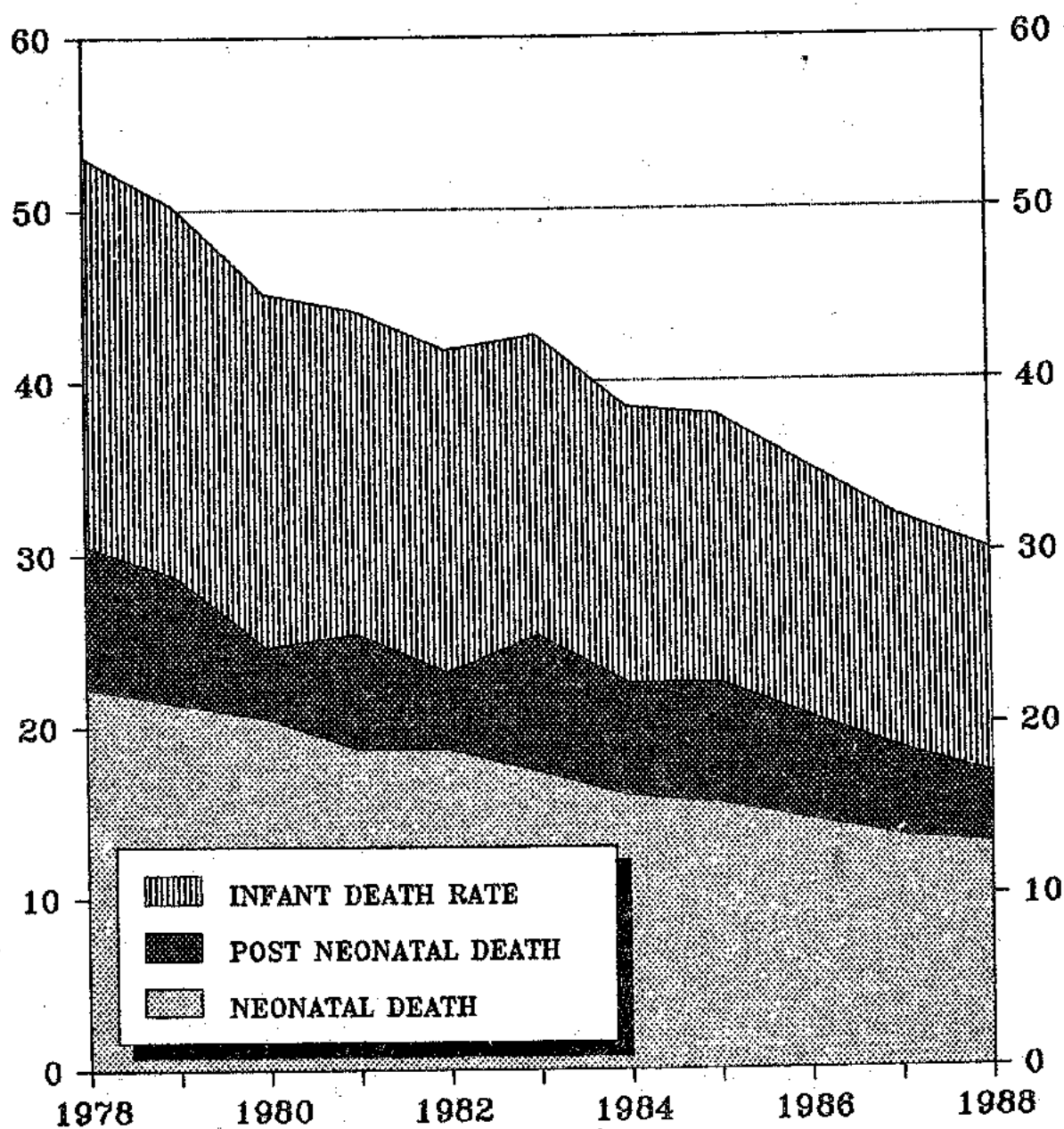


Fig. 30

TABLE 30

237

INFANT MORTALITY: TEN (10) LEADING CAUSES  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
5-YEAR AVERAGE (1983-1987) & 1988

C A U S E	5-YEAR AVERAGE (1983-1987)			1 9 8 8		
	NUMBER	RATE PER 1000	% OF INFANT DEATHS	NUMBER	RATE PER 1000	% OF INFANT DEATHS
1. PNEUMONIAS... (480-486)	14457	9.7	25.9	12597	8.0	26.7
2. RESPIRATORY CONDITIONS OF FETUS AND NEWBORN... ..... (769-771)	7532	5.0	13.5	6374	4.1	13.5
3. DIARRHEAL DISEASES... ..... (001-009)	4277	2.9	7.7	3112	2.0	6.6
4. CONGENITAL ANOMALIES... ..... (740-759)	2439	1.6	4.4	2288	1.5	4.8
5. AVITAMINOSES AND OTHER NUTRITIONAL DEFICIENCY... ..... (260-269)	2332	1.6	4.2	1610	1.0	3.4
6. BIRTH INJURY AND DIFFICULT LABOR... ..... (768;772)	1441	1.0	2.6	1564	1.0	3.3
7. MEASLES... (055)	1871	1.3	3.4	1547	1.0	3.3
8. SEPTICEMIA... (038)	1048	0.7	1.9	1182	0.8	2.5
9. ACUTE BRONCHITIS AND BRONCHIOLITIS... (466)	896	0.6	1.6	656	0.4	1.4
10. MENINGITIS... (320-322)	692	0.5	1.2	649	0.4	1.4

# INFANT MORTALITY: LEADING CAUSES RATE PER 1,000 LIVEBIRTHS PHILS., 5 YR. AVE. (1983-1987) & 1988

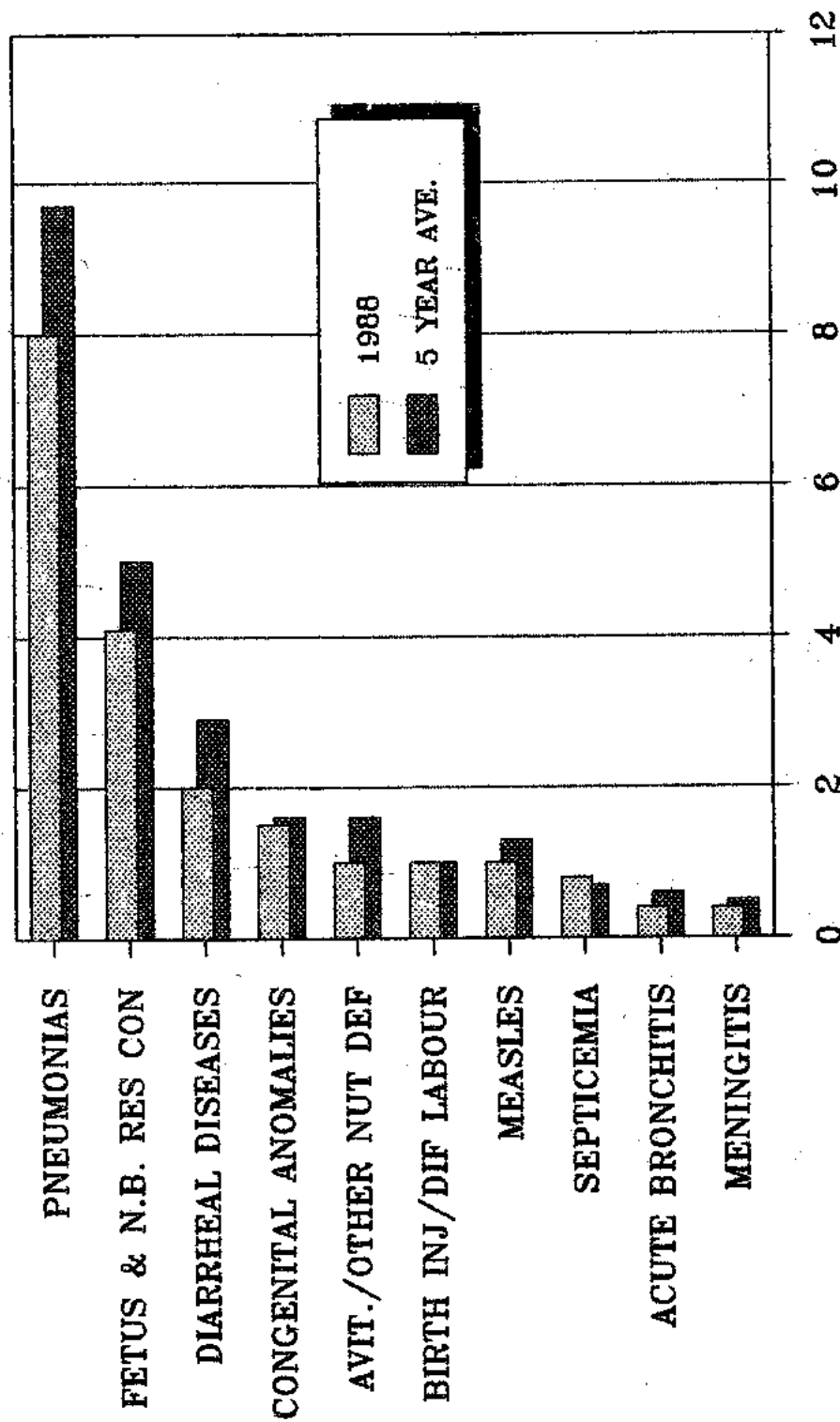


Fig. 31

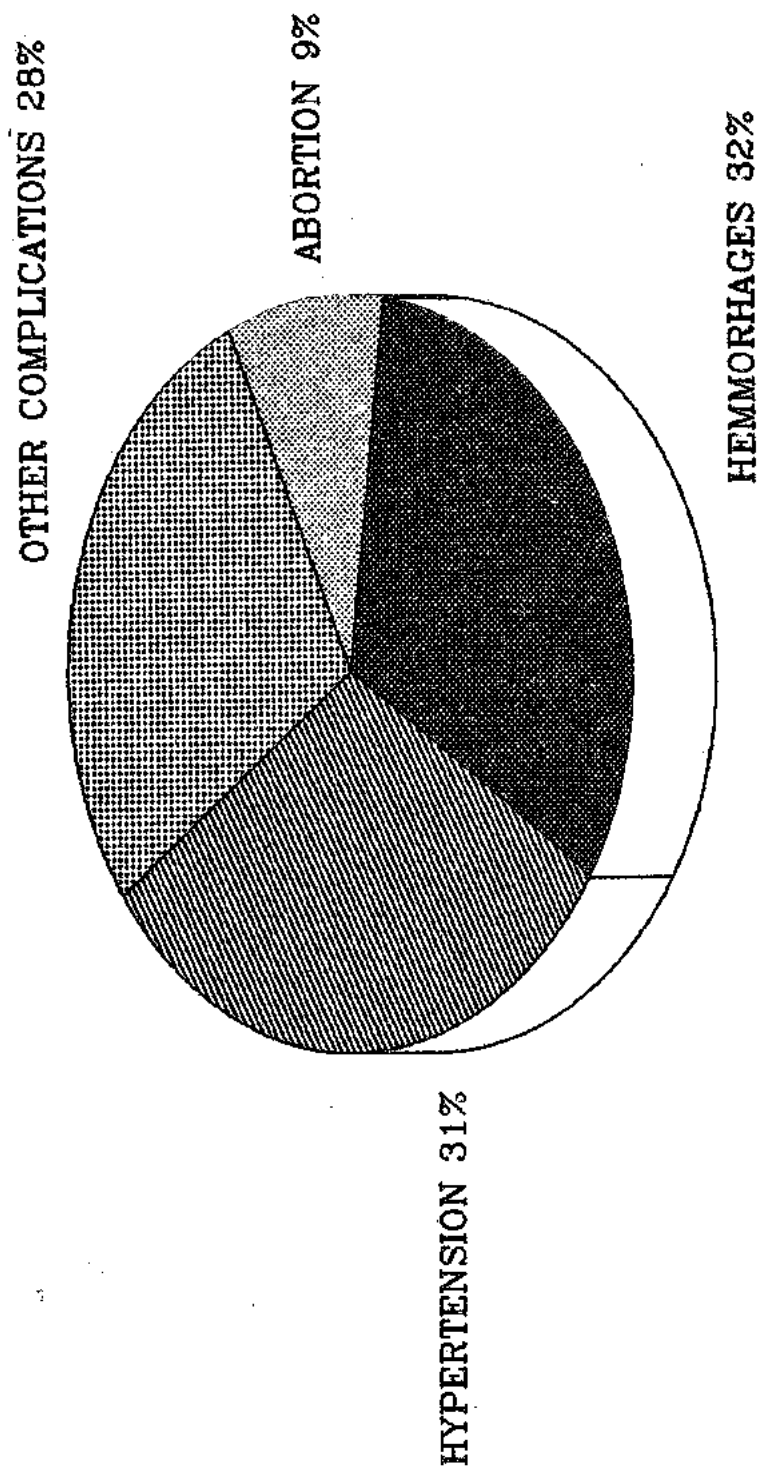
TABLE 31

239

MATERNAL MORTALITY: BY MAIN CAUSE  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
1988

C A U S E	1 9 8 8		
	NUMBER	RATE	PERCENT
T O T A L.....	1745	1.1	100.0
Pregnancy with abortive outcome.....(630-639)	146	0.09	8.4
Hemorrhages related to pregnancy.....(640;641)	120	0.08	6.9
Hypertension complicating pregnancy, childbirth and puerperium.....(642)	543	0.3	31.1
Postpartum Hemorrhage.....(666)	441	0.3	25.3
Normal Delivery and Other Complications related to pregnancy occurring in the course of labor, delivery and Puerperium.(642-648;650-665;667-676)	495	0.3	28.3

**MATERNAL DEATHS BY MAIN CAUSE  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1988**



**Fig. 32**

TABLE 32

241

MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
1968

R E G I O N	AGE DISTRIBUTION					
	TOTAL			UNDE 15 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
PHILIPPINES.....	1745	1.1	100.0	274	637.2	100.0
NAT. CAP. REGION.....	179	0.7	10.3	28	65.1	10.2
REGION 1.....	149	1.3	8.5	27	62.8	9.9
REGION 2.....	99	1.3	5.7	34	79.1	12.5
REGION 3.....	134	0.8	7.7	31	72.1	11.3
REGION 4.....	286	1.3	16.4	53	123.3	19.3
REGION 5.....	198	1.8	11.3	26	60.5	9.5
REGION 6.....	139	1.2	7.9	19	44.2	6.9
REGION 7.....	129	1.0	7.4	10	23.3	3.6
REGION 8.....	101	1.7	5.8	6	14.0	2.2
REGION 9.....	71	1.2	4.1	15	34.9	5.5
REGION 10.....	125	1.2	7.2	10	23.3	3.6
REGION 11.....	104	0.8	5.9	13	30.2	4.8
REGION 12.....	31	0.7	1.8	2	4.7	0.7

\*Rate According to corresponding Age-Group.



TABLE 32

MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION  
No. & Rate/1000 I.b. & Percentage Distribution  
PHILIPPINES  
1988

R E G I O N	AGE DISTRIBUTION					
	15 - 19 YEARS			20 - 24 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
PHILIPPINES.....	73	0.6	100.0	187	0.4	100.0
NAT. CAP. REGION.....	6	0.05	8.2	23	0.05	12.3
REGION 1.....	8	0.1	11.0	15	0.03	8.0
REGION 2.....	0	-	-	12	0.03	6.4
REGION 3.....	7	0.1	9.6	9	0.02	4.8
REGION 4.....	11	0.1	15.1	31	0.07	16.6
REGION 5.....	15	0.1	20.6	26	0.06	13.9
REGION 6.....	3	0.02	4.1	9	0.02	4.8
REGION 7.....	2	0.02	2.7	14	0.03	7.5
REGION 8.....	5	0.04	6.8	15	0.05	8.0
REGION 9.....	4	0.03	5.5	11	0.02	5.9
REGION 10.....	2	0.02	2.7	11	0.02	5.9
REGION 11.....	8	0.06	11.0	8	0.02	4.3
REGION 12.....	2	0.02	2.7	3	0.01	1.6

\*Rate according to corresponding Age-group.

TABLE 32

243

MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
1988

R E G I O N	AGE DISTRIBUTION					
	25 - 29 YEARS			30 - 34 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
PHILIPPINES.....	251	0.6	100.0	256	0.9	100.0
NAT. CAP. REGION.....	28	0.06	11.2	27	0.09	10.5
REGION 1.....	17	0.04	6.8	24	0.08	9.4
REGION 2.....	15	0.03	6.0	10	0.03	3.9
REGION 3.....	21	0.05	8.4	9	0.03	3.5
REGION 4.....	39	0.09	15.5	40	0.1	15.6
REGION 5.....	23	0.05	9.2	38	0.1	14.9
REGION 6.....	25	0.05	9.9	25	0.09	9.8
REGION 7.....	21	0.05	8.4	22	0.07	8.6
REGION 8.....	14	0.03	5.5	9	0.03	3.5
REGION 9.....	9	0.02	3.5	12	0.04	4.7
REGION 10.....	17	0.04	6.8	16	0.05	6.3
REGION 11.....	19	0.04	7.6	18	0.06	7.0
REGION 12.....	3	0.01	1.2	6	0.02	2.3

\*Rate according to corresponding Age-group.

TABLE 32

MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
1968

R E G I O N	AGE DISTRIBUTION					
	35 - 39 YEARS			40 - 44 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
PHILIPPINES.....	239	1.5	100.0	115	2.2	100.0
NAT. CAP. REGION.....	18	0.1	7.5	8	0.2	7.0
REGION 1.....	19	0.1	7.9	9	0.2	7.8
REGION 2.....	8	0.05	3.4	4	0.1	3.5
REGION 3.....	13	0.08	5.4	6	0.1	5.2
REGION 4.....	33	0.2	13.8	19	0.4	16.5
REGION 5.....	27	0.2	11.3	17	0.3	14.8
REGION 6.....	22	0.1	9.2	12	0.2	10.4
REGION 7.....	21	0.1	8.8	13	0.2	11.3
REGION 8.....	20	0.1	8.4	9	0.2	7.8
REGION 9.....	9	0.06	3.8	3	0.1	2.6
REGION 10.....	20	0.1	8.4	11	0.2	9.6
REGION 11.....	19	0.1	7.9	3	0.1	2.6
REGION 12.....	10	0.06	4.2	1	0.02	0.9

\*Rate According to corresponding Age-Group.

TABLE 32

245

MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION  
No. & Rate/1000 l.b. & Percentage Distribution  
PHILIPPINES  
1968

R E G I O N	AGE DISTRIBUTION					
	45 - 49 YEARS			50 YEARS & OVER		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
PHILIPPINES.....	44	5.3	100.0	306	247.2	100.0
NAT. CAP. REGION.....	3	0.4	6.8	38	30.7	12.4
REGION 1.....	4	0.5	9.1	26	21.0	8.5
REGION 2.....	1	0.1	2.3	15	12.1	4.9
REGION 3.....	6	0.7	13.6	32	25.8	10.5
REGION 4.....	4	0.5	9.1	56	45.2	18.3
REGION 5.....	8	1.0	18.2	18	14.5	5.9
REGION 6.....	1	0.1	2.3	23	18.6	7.5
REGION 7.....	6	0.7	13.6	20	16.2	6.5
REGION 8.....	2	0.2	4.5	21	17.0	6.9
REGION 9.....	1	0.1	2.3	7	5.7	2.3
REGION 10.....	4	0.5	9.1	34	27.5	11.1
REGION 11.....	3	0.4	6.8	13	10.5	4.2
REGION 12.....	1	0.1	2.3	3	2.4	1.0

\*Rate according to corresponding Age-group.

FETAL MORTALITY BY ATTENDANCE & BY CAUSE  
PHILIPPINES  
1968

C A U S E	Total Fetal Deaths	A T T E N D A N T				
		Physi- cian	Nurse	Mid- wife	Traditio- nal Birth Attendant (Hilot)	Others
Fetus affected by maternal conditions which may be unrelated to present pregnancy.....(760)	378	263	8	26	16	65
Fetus affected by maternal complications of pregnancy.....(761)	226	138	9	17	9	53
Fetus affected by complications of placenta, cord and membranes.....(762)	2206	1696	40	144	40	286
Fetus affected by other complications of labour and delivery.....(763)	557	290	10	45	68	144
Slow fetal growth and fetal malnutrition..(764)	10	4	2	1	3	0
Disorders relating to short gestation and unspecified low birth weight.....(765)	1427	513	60	161	128	565
Disorders relating to long gestation and high birth weight.....(766)	58	26	0	11	5	16
Birth trauma.....(767)	9	5	0	0	0	4
Intrauterine hypoxia and birth asphyxia.....(768)	478	167	18	50	49	194
Respiratory distress syndrome.....(769)	213	73	17	38	21	64
Other respiratory conditions of fetus.....(770)	37	25	1	7	2	2

TABLE 33

FETAL MORTALITY BY ATTENDANCE & BY CAUSE  
PHILIPPINES  
1988

247

C A U S E	Total Fetal Deaths	A T T E N D A N T				
		Physi- cian	Nurse	Mid- wife	Traditio- nal Birth Attendant (Hilot)	Others
Infections specific to the perinatal period....(771)	43	18	2	12	3	8
Fetal haemorrhage....(772)	2	0	1	0	1	0
Haemolytic diseases of fetus due to isoimmuni- zation.....(773)	2	2	0	0	0	0
Other perinatal jaundice.....(774)	2	1	0	0	0	1
Endocrine and metabolic disturbances specific to the fetus.....(775)	0	0	0	0	0	0
Haematological disorders of fetus.....(776)	0	0	0	0	0	0
Perinatal disorders of digestive system....(777)	1	1	0	0	0	0
Conditions involving the integument and temper- ature regulations of fetus.....(778)	6	5	0	0	0	1
Other and ill-defined conditions originating in the perinatal period.....(779)	4986	1826	298	604	448	1810
TOTAL - Number.....	10641	5053	466	1116	793	3213
- Percent.....	100.0	47.5	4.4	10.5	7.4	30.2

# FETAL DEATHS BY MEDICAL ATTENDANCE PERCENTAGE DISTRIBUTION PHILIPPINES, 1988

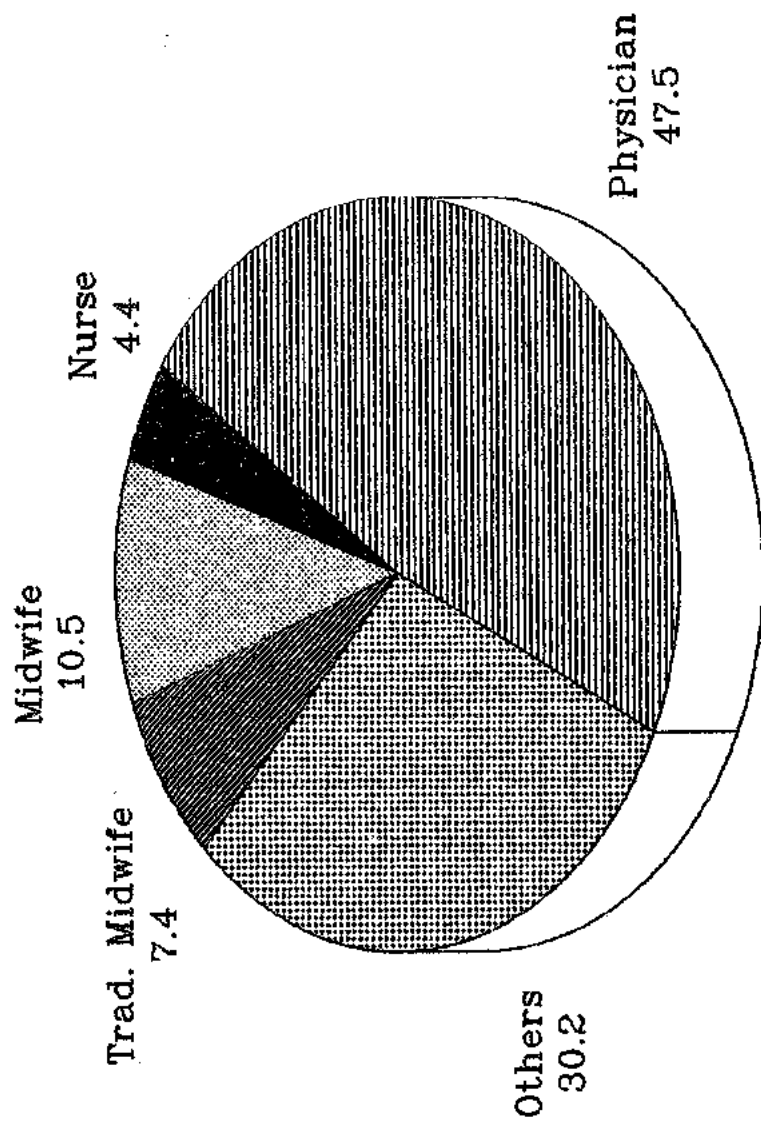


Fig. 33

TABLE 34

FETAL MORTALITY BY CAUSE & BIRTH WEIGHT  
No. & Percentage Distribution  
PHILIPPINES  
1986

249

C A U S E	Total Fetal Deaths	1000 & below grams		1001 to 1500 grams		1501 to 2000 grams		2001 to 2500 grams		2501 to 3000 grams	
		No.	%	No.	%	No.	%	No.	%	No.	%
Fetus affected by maternal conditions which may be unrelated to present pregnancy.....(760)	378	37	6.3	46	7.3	47	7.6	39	5.6	27	3.2
Fetus affected by maternal complications of pregnancy.....(761)	226	10	1.7	9	1.4	18	2.9	22	3.1	27	3.2
Fetus affected by complications of placenta, cord and membranes.....(762)	2206	272	46.5	218	34.5	189	30.8	198	28.3	243	28.8
Fetus affected by other complications of labour and delivery.....(763)	557	6	1.0	13	2.1	15	2.4	36	5.2	74	8.8
Slow fetal growth and fetal malnutrition..(764)	10	1	0.2	2	0.3	1	0.2	0	-	1	0.1
Disorders relating to short gestation and unspecified low birth weight.....(765)	1427	86	14.7	118	18.7	82	13.4	62	8.9	49	5.8
Disorders relating to long gestation and high birth weight.....(766)	58	1	0.2	1	0.2	1	0.2	0	-	7	0.8
Birth trauma.....(767)	9	0	-	0	-	0	-	2	0.3	1	0.1
Intrauterine hypoxia and birth asphyxia.....(768)	478	8	1.4	17	2.7	24	3.9	34	4.9	42	5.0
Respiratory distress syndrome.....(769)	213	4	0.7	8	1.3	10	1.6	12	1.7	12	1.5
Other respiratory conditions of fetus.....(770)	37	2	0.3	0	-	2	0.3	1	0.1	7	0.8



250  
TABLE 34

FETAL MORTALITY BY CAUSE & BIRTH WEIGHT  
No. & Percentage Distribution  
PHILIPPINES  
1988

C A U S E	Total Fetal Deaths	1000 & below grams		1001 to 1500 grams		1501 to 2000 grams		2001 to 2500 grams		2501 to 3000 grams	
		No.	%	No.	%	No.	%	No.	%	No.	%
Infections specific to the perinatal period....(771)	43	2	0.3	2	0.3	2	0.3	2	0.3	5	0.6
Fetal haemorrhage....(772)	2	0	-	0	-	0	-	0	-	0	-
Haemolytic diseases of fetus due to isoimmunization.....(773)	2	1	0.2	0	-	0	-	1	0.1	0	-
Other perinatal jaundice.....(774)	2	0	-	0	-	0	-	0	-	1	0.1
Endocrine and metabolic disturbances specific to the fetus.....(775)	0	0	-	0	-	0	-	0	-	0	-
Haematological disorders of fetus.....(776)	0	0	-	0	-	0	-	0	-	0	-
Perinatal disorders of digestive system....(777)	1	0	-	0	-	0	-	0	-	0	-
Conditions involving the integument and temperature regulations of fetus.....(778)	6	2	0.3	1	0.2	1	0.2	0	-	1	0.1
Other and ill-defined conditions originating in the perinatal period.....(779)	4986	153	26.2	196	31.0	222	36.2	290	41.5	347	41.1
T O T A L	10641	585	100.0	631	100.0	614	100.0	699	100.0	844	100.0

TABLE 34

FETAL MORTALITY BY CAUSE & BIRTH WEIGHT  
No. & Percentage Distribution  
PHILIPPINES  
1988

251

C A U S E	3001 to 3500 grams		3501 to 4000 grams		4001 to 4500 grams		4501 to 5000 grams		5001 to above grams		Not Stated	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Fetus affected by maternal conditions which may be unrelated to present pregnancy.....(760)	13	2.3	5	1.7	1	1.0	0	-	2	15.4	161	2.57
Fetus affected by maternal complications of pregnancy.....(761)	15	2.6	16	5.5	2	2.0	0	-	1	7.7	106	1.69
Fetus affected by complications of placenta, cord and membranes.....(762)	121	21.2	59	20.1	20	20.4	4	11.1	2	15.4	880	14.06
Fetus affected by other complications of labour and delivery.....(763)	64	11.2	32	10.9	16	16.4	5	13.9	1	7.7	295	4.71
Slow fetal growth and fetal malnutrition..(764)	0	-	0	-	0	-	0	-	0	-	5	0.08
Disorders relating to short gestation and unspecified low birth weight.....(765)	30	5.3	7	2.4	4	4.1	4	11.1	1	7.7	984	15.72
Disorders relating to long gestation and high birth weight.....(766)	9	1.6	3	1.0	4	4.1	1	2.8	1	7.7	30	0.48
Birth trauma.....(767)	0	-	0	-	0	-	0	-	0	-	6	0.10
Intrauterine hypoxia and birth asphyxia.....(768)	36	6.3	24	8.2	6	6.2	3	8.3	0	-	284	4.59
Respiratory distress syndrome.....(769)	19	3.4	4	4.1	2	2.0	1	2.8	1	7.7	140	2.24
Other respiratory conditions of fetus.....(770)	4	0.7	2	0.7	1	1.0	0	-	0	-	18	0.29

FETAL MORTALITY BY CAUSE & BIRTH WEIGHT  
No. & Percentage Distribution  
PHILIPPINES  
1988

C A U S E	3001 to 3500 grams		3501 to 4000 grams		4001 to 4500 grams		4501 to 5000 grams		5001 to above grams		Not Stated	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Infections specific to the perinatal period....(771)	3	0.5	0	-	2	2.0	0	-	0	-	25	0.40
Fetal haemorrhage....(772)	0	-	0	-	0	-	0	-	0	-	2	0.03
Haemolytic diseases of fetus due to isoimmunization.....(773)	0	-	0	-	0	-	0	-	0	-	0	-
Other perinatal jaundice.....(774)	0	-	0	-	0	-	0	-	0	-	1	0.02
Endocrine and metabolic disturbances specific to the fetus.....(775)	0	-	0	-	0	-	0	-	0	-	0	-
Haematological disorders of fetus.....(776)	0	-	0	-	0	-	0	-	0	-	0	-
Perinatal disorders of digestive system....(777)	0	-	0	-	0	-	0	-	0	-	1	0.02
Conditions involving the integument and temperature regulations of fetus.....(778)	0	-	0	-	0	-	0	-	0	-	1	0.02
Other and ill-defined conditions originating in the perinatal period.....(779)	256	44.9	141	48.1	40	40.8	18	50.0	4	30.7	3319	53.04
T O T A L	570	100.0	293	100.0	98	100.0	36	100.0	13	100.0	6258	100.0

TABLE 35

LATE FETAL DEATHS BY OF MOTHER & BIRTH ORDER  
PHILIPPINES  
1988

253

BIRTH ORDER	TOTAL BIRTH	Late etal Deaths		AGE OF MOTHER								
		No.	Rate*	Less than 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	Not Stated
First.....	422,489	1,095	2.4	5	192	384	293	78	31	8	16	28
Second.....	342,653	651	1.9	0	76	225	206	87	39	5	13	0
Third.....	257,708	567	2.2	0	24	143	213	111	56	14	6	0
Fourth.....	182,032	397	2.2	0	4	75	149	85	61	10	13	0
Fifth.....	122,172	287	2.3	0	0	28	77	95	59	25	3	0
Sixth.....	81,425	226	2.8	0	0	14	47	79	57	25	4	0
Seventh.....	54,806	162	3.0	0	0	7	23	62	53	12	5	0
Eight.....	35,854	122	3.4	0	0	2	13	32	36	35	4	0
Ninth.....	22,417	76	3.4	0	0	0	5	17	32	19	3	0
Tenth & Over.....	14,586	180	12.3	0	0	1	14	25	71	58	11	0
Not Stated...	29,230	443	15.2	0	44	104	88	98	57	18	34	0
TOTAL.....	1,565,372	4,146	2.6	5	340	983	1,128	769	552	229	112	28

\*Per 1,000 livebirths of their respective birth order.

TABLE 36

FETAL DEATHS: NO & PERCENTAGE DISTRIBUTION  
BY CAUSE & PERIOD OF GESTATION  
PHILIPPINES  
1988

C A U S E	Total Fetal Deaths		Under 20 Weeks	20-27 Weeks	28-36 Weeks	37 Weeks and More	Not Stated
	No.	%					
Fetus affected by maternal conditions which may be unrelated to present pregnancy.....(760)	378	3.55	93	24	124	49	179
Fetus affected by maternal complications of pregnancy.....(761)	226	2.12	3	9	58	45	93
Fetus affected by complications of placenta, cord and membranes.....(762)	2206	20.73	48	234	640	512	772
Fetus affected by other complications of labour and delivery.....(763)	557	5.23	0	11	129	126	296
Slow fetal growth and fetal malnutrition..(764)	10	0.09	0	2	4	0	4
Disorders relating to short gestation and unspecified low birth weight.....(765)	1427	13.41	11	189	356	53	818
Disorders relating to long gestation and high birth weight.....(766)	58	0.55	0	0	5	13	40
Birth trauma.....(767)	9	0.08	0	0	3	1	5
Intrauterine hypoxia and birth asphyxia.....(768)	478	4.49	1	16	119	53	289
Respiratory distress syndrome.....(769)	213	2.00	1	8	49	27	128
Other respiratory conditions of fetus.....(770)	37	0.35	0	3	5	12	17

TABLE 36

FETAL DEATHS: NO & PERCENTAGE DISTRIBUTION  
BY CAUSE & PERIOD OF GESTATION  
PHILIPPINES  
1968

255

C A U S E	Total Fetal Deaths		Under 20 Weeks	20-27 Weeks	28-36 Weeks	37 Weeks and More	Not Stated
	No.	%					
Infections specific to the perinatal period....(771)	43	0.41	0	1	16	7	19
Fetal haemorrhage....(772)	2	0.02	0	0	0	0	2
Haemolytic diseases of fetus due to isoimmunization.....(773)	2	0.02	0	1	1	0	0
Other perinatal jaundice.....(774)	2	0.02	0	0	0	0	2
Endocrine and metabolic disturbances specific to the fetus.....(775)	0	-	0	0	0	0	0
Haematological disorders of fetus.....(776)	0	-	0	0	0	0	0
Perinatal disorders of digestive system....(777)	1	0.01	0	0	1	0	0
Conditions involving the integument and temperature regulations of fetus.....(778)	6	0.06	0	1	2	1	2
Other and ill-defined conditions originating in the perinatal period.....(779)	4986	46.86	25	217	1170	557	3011
TOTAL - Number.....	10641	100.0	91	716	2689	1463	5688
- Percent.....	100.0	-	0.9	6.7	25.2	13.7	53.5

# FETAL DEATHS BY PERIOD OF GESTATION PERCENTAGE DISTRIBUTION PHILIPPINES

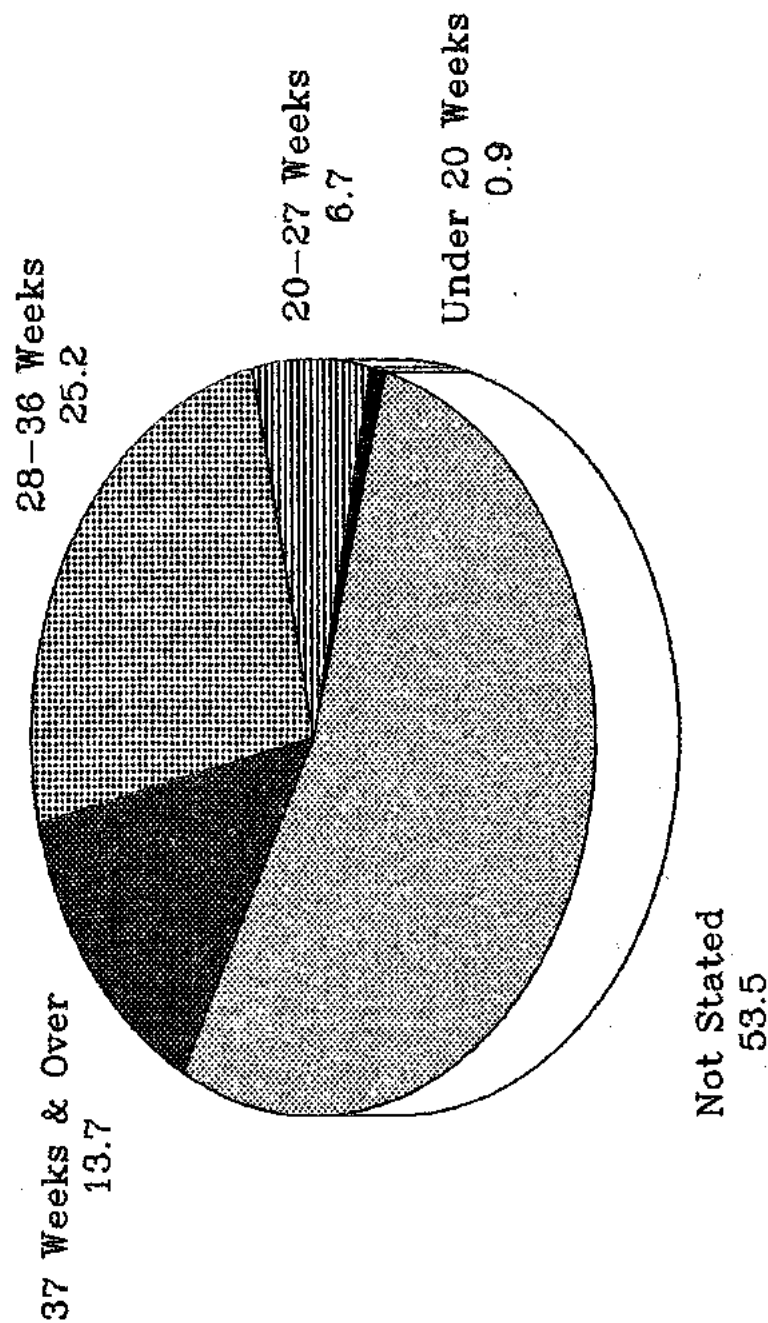


Fig. 34

TABLE 37 FETAL DEATHS BY AGE OF MOTHER & BIRTH ORDER  
PHILIPPINES  
1988

257

BIRTH ORDER	TOTAL FETAL DEATHS	AGE OF MOTHER ( Y E A R S )				
		Less than 15	15-19	20-24	25-29	30-34
First.....	2,286	8	482	835	559	164
Second.....	1,441	0	188	516	419	189
Third.....	1,222	0	58	340	433	229
Fourth.....	932	0	13	198	323	215
Fifth.....	682	0	5	79	190	213
Sixth.....	485	0	0	32	115	161
Seventh.....	391	0	0	22	66	132
Eight.....	229	0	0	8	23	61
Ninth.....	190	0	0	8	17	35
Tenth & Over.....	417	0	0	10	35	73
Not Stated.....	2,366	0	152	387	327	295
Total Fetal Death..	10,641	8	898	2435	2507	1767
Percent.....	100.0	0.1	8.4	22.9	23.5	16.6
Rate*.....	6.8	18.6	7.0	5.4	5.5	6.0
Total Livebirths by Age of Mother....	1,565,372	430	128355	452037	455680	293063

\*Per 1,000 livebirths of the corresponding age-group of Mother.



TABLE 37

FETAL DEATHS BY AGE OF MOTHER & BIRTH ORDER  
PHILIPPINES  
1988

BIRTH ORDER	AGE OF MOTHER ( Y E A R S )			
	35 - 39	40 - 44	45 & Over	Not Stated
First.....	59	14	42	123
Second.....	79	16	34	0
Third.....	111	28	23	0
Fourth.....	129	30	24	0
Fifth.....	139	43	13	0
Sixth.....	112	52	13	0
Seventh.....	118	39	14	0
Eight.....	70	53	14	0
Ninth.....	79	39	12	0
Tenth & Over.....	143	120	36	0
Not Stated.....	207	76	921	1
Total Fetal Death..	1246	510	1146	124
Percent.....	11.7	4.8	10.8	1.2
Rate*.....	7.6	9.7	119.4	11.4
Total Livebirths by Age of Mother...	162900	52423	9596	10888

\*Per 1,000 livebirths of the corresponding age-group of Mother.

# FETAL DEATHS BY AGE OF MOTHER

Rate per 1,000 Livebirths  
PHILIPPINES, 1988

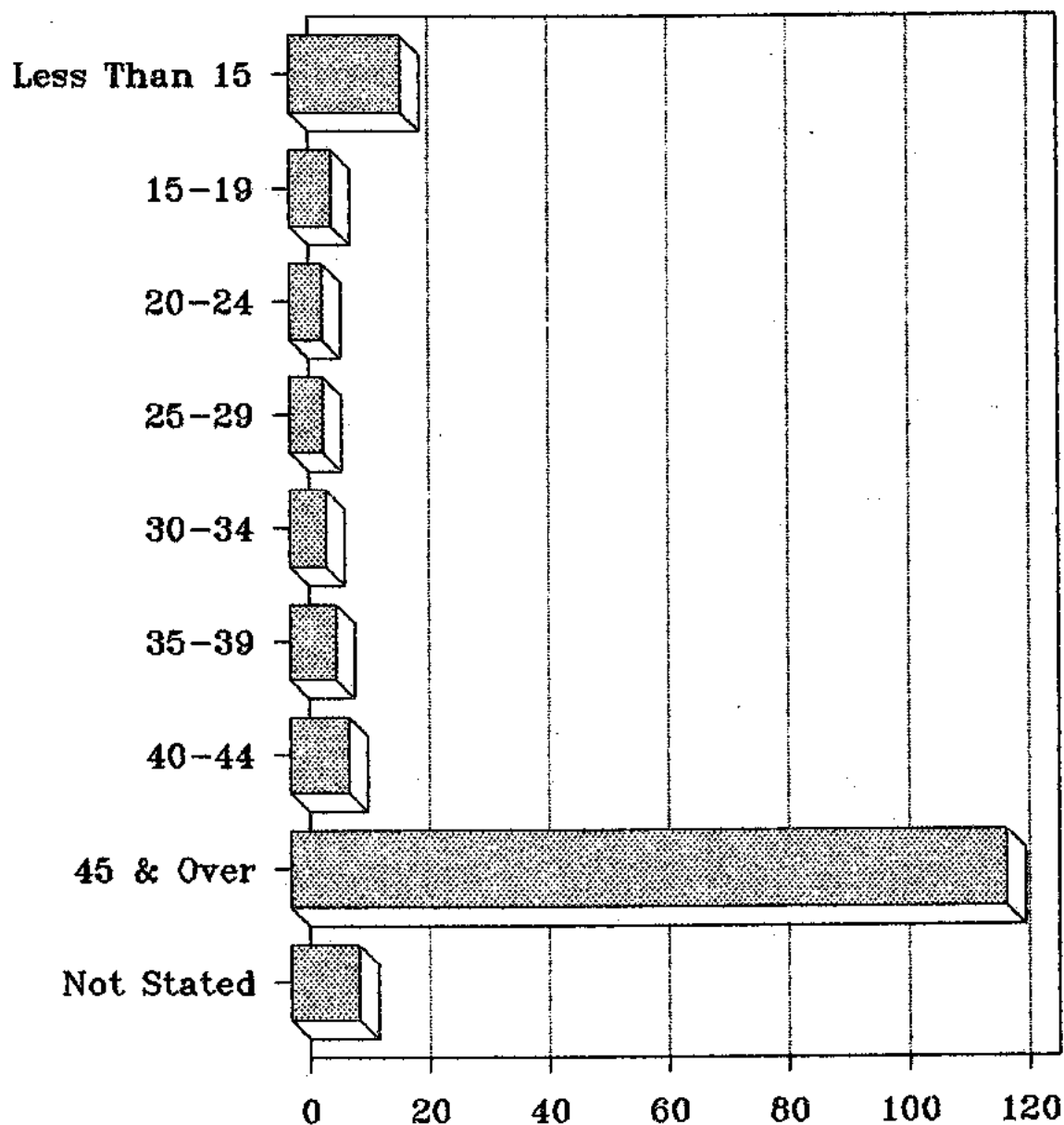


Fig. 35

TABLE 38

FETAL DEATHS BY CAUSE  
No. & Percentage Distribution  
PHILIPPINES  
1988

260

CAUSE	Number	Percent of Fetal Deaths
Fetus affected by maternal conditions which may be unrelated to present pregnancy.....(760)	378	3.55
Fetus affected by maternal complications of pregnancy.....(761)	226	2.12
Fetus affected by complications of placenta, cord and membranes.....(762)	2206	20.73
Fetus affected by other complications of labour and delivery.....(763)	557	5.23
Slow fetal growth and fetal malnutrition.....(764)	10	0.09
Disorders relating to short gestations and unspecified low birth weight.....(765)	1427	13.41
Disorders relating to long gestations and and high birth weight.....(766)	58	0.55
Birth trauma.....(767)	9	0.08
Intrauterine hypoxia and asphyxia.....(768)	478	4.49
Respiratory distress syndrome.....(769)	213	2.00
Other respiratory conditions of fetus.....(770)	37	0.35
Infections specific to the perinatal period..(771)	43	0.41
Fetal haemorrhage.....(772)	2	0.02
Haemolytic disease of fetus due to isoimmunization.....(773)	2	0.02
Other perinatal jaundice.....(774)	2	0.02
Endocrine and metabolic disturbances specific to the fetus.....(775)	0	-
Haematological disorders of fetus.....(776)	0	-
Perinatal disorders of digestive system.....(777)	1	0.01
Conditions involving the integument and temperature regulation of fetus.....(778)	6	0.06
Other and ill-defined conditions originating in the perinatal period.....(779)	4986	46.86
TOTAL	10641	100.0