

Philippine Health Statistics 1998

Department of Health
National Epidemiology Center

PHILIPPINE HEALTH STATISTICS 1998



Republic of the Philippines
DEPARTMENT OF HEALTH
OFFICE OF THE SECRETARY

2nd Floor Bldg. 1 San Lazaro Compound, Rizal Avenue, Sta. Cruz, Manila



FOREWORD

The Department of Health (DOH) through the National Epidemiology Center (NEC) continuously recognizes the importance of health statistics as a vital tool in providing information on the health status of the population with the annual publication of the Philippine Health Statistics.

The 1998 PHILIPPINE HEALTH STATISTICS provides a summary of statistical data on births, deaths and notifiable diseases registered and reported in 1998.

The data contained herein are essential as they supply vital information for planning appropriate public health interventions, stimulating medical researches and highlighting topics of relevance in health education of the public.

Data on births and deaths were provided by the National Statistics Office (NSO). Morbidity data were collected through the Notifiable Diseases Registry (Field Health Service and Information System) submitted by the Rural Health Units (RHUs) and Barangay Health Stations (BHSs). Likewise, the International Classification of Diseases version 10 (ICD-10) was used in coding.

I would also like to thank our partner agencies for their essential contributions to this significant endeavor.


MANUEL M. DAYRIT, MD, MSc.
Secretary of Health

DEPARTMENT OF HEALTH



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Republic of the Philippines
Department of Health
NATIONAL EPIDEMIOLOGY CENTER
Manila

MANUEL M. DAYRIT, M.D., MSc
SECRETARY OF HEALTH

ANTONIO S. LOPEZ, M.D., MPH
UNDERSECRETARY OF HEALTH
HEALTH OPERATIONS CLUSTER

MA. CONSORCIA LIM-QUIZON, M.D.
OFFICER-IN-CHARGE
NATIONAL EPIDEMIOLOGY CENTER

JUAN M. LOPEZ, M.D., MPH
MEDICAL OFFICER VII
SURVEYS, RISK ASSESSMENT AND EVALUATION DIVISION
NATIONAL EPIDEMIOLOGY CENTER

STATISTICS AND PUBLICATIONS SECTION
SURVEYS, RISK ASSESSMENT AND EVALUATION DIVISION
NATIONAL EPIDEMIOLOGY CENTER

FE A. SINSON

LEA MYLENE R. REBANAL

EMMA A. ARQUITOLA, RN

THERESA D. TIMBANG

RATES & RATIOS

RATE - In Vital Statistics, a rate shows the relationship between a vital event and those persons exposed to the occurrence of said event, within a given area and during a specified unit of time. It is evident that the persons experiencing the event (the numerator) must come from the total population exposed to the risk of same event (the denominator).

RATIO - It is used to describe the relationship between two (2) numerical quantities or measures of events without taking particular considerations to the time or place. These quantities need not necessarily represent the same entities, although the unit of measure must be the same for both numerator and denominator of the ratio.

CRUDE or GENERAL RATES - These rates are referred to the total living population. It must be presumed that the total population was exposed to the risk of the occurrence of the event.

SPECIFIC RATE - The relationship is for a specific population class or group. It limits the occurrence of the event to that portion of the population definitely exposed to it.

Crude Birth Rate - A measure of one characteristic of the natural growth or increase of a population.

$$\text{CBR} = \frac{\text{Total No. of livebirths registered in a given calendar year}}{\text{Estimated population as of July 1 of same year}} \times 1,000$$

Crude Death Rate - A measure of one mortality from all causes which may result in a decrease of population.

$$\text{CDR} = \frac{\text{Total no. of deaths registered in a given calendar year}}{\text{Estimated population as of July 1 of same year}} \times 1,000$$

Infant Mortality Rate - Measures the risk of dying during the 1st year of life. It is a good index of the general health condition of a community since it reflects the changes in the environmental and medical conditions of a community.

$$\text{IMR} = \frac{\text{Total no. of deaths under 1 year of age registered in a given calendar year}}{\text{Total no. of registered livebirths of same calendar year}} \times 1,000$$

Maternal Mortality Rate - It measures the risk of dying from causes related to pregnancy, childbirth and puerperium. It is an index of the obstetrical care needed and received by the women in a community.

$$\text{MMR} = \frac{\text{Total no. of deaths from maternal causes registered for a given year}}{\text{Total no. of livebirths registered of same year}} \times 1,000$$

Fetal Death Rate - Measures pregnancy wastage. Death of the product of conception occurs prior to its complete expulsion, irrespective of duration of pregnancy.

$$\text{FDR} = \frac{\text{Total no. of Fetal deaths registered in a given calendar year}}{\text{Total no. of livebirths registered of same year}} \times 1,000$$

Neonatal Death Rate - Measures the risk of dying during the 1st month of life. May serve as index of the effects of prenatal care and obstetrical management on the newborn.

$$\text{NDR} = \frac{\text{No. of deaths under 28 days of age registered in a given calendar year}}{\text{No. of livebirths registered of same year}} \times 1,000$$

Specific Death Rate - Describes more accurately the risk of exposure of certain classes or groups to particular diseases. To understand the forces of mortality, the rates should be made specific provided the data are available for both the population and the event in their specifications. Specific rates render more comparable results and thus, reveal the problems of public health.

$$\text{Specific Death Rate} = \frac{\text{Deaths in specific class or group registered in a given calendar year}}{\text{Estimated population as of July 1 in same specified class or group of said year}} \times 100,000$$

Examples:

$$\text{Cause-specific Death Rate} = \frac{\text{No. of deaths from a specific cause registered in a given calendar year}}{\text{Estimated population as of July 1st of same year}} \times 100,000$$

$$\text{Age-specific Death Rate} = \frac{\text{No. of deaths in a particular age group registered in a given calendar year}}{\text{Estimated population as of July 1st in same age group of same year}} \times 100,000$$

$$\text{Sex-specific Death Rate} = \frac{\text{No. of deaths of a certain sex registered in a given calendar year}}{\text{Estimated population as of July 1 in same sex for same year}} \times 100,000$$

Incidence Rate - Measures the frequency of occurrence of the phenomenon during a given period of time. Deals only with new cases.

$$\text{I R} = \frac{\text{No. of new cases of a particular disease registered during a specified period of time}}{\text{Population at risk}} \times 100,000$$

Prevalence Rate - Measures the proportion of the population which exhibits a particular disease at a particular time. This can only be determined following a survey of the population concerned. Deals with total (old and new) number of cases.

$$\text{P R} = \frac{\text{No. of new and old cases of a certain disease registered at a given time}}{\text{Total no. of persons examined at same given time}} \times 100$$

Attack Rate - A more accurate measure of the risk of exposure. Useful in epidemiological investigations.

$$\text{A R} = \frac{\text{No. of persons acquiring a disease registered in a given year}}{\text{No. exposed to same disease in same year}} \times 100$$

Proportionate Mortality (Death Ratios) - Shows the numerical relationship between deaths from a cause (or groups of causes), age (or groups of age) etc. and the total no. of deaths from all causes in all ages taken together. Not a measure of risk of dying.

$$\text{P M} = \frac{\text{No. of registered deaths from a specific cause or age for a given calendar year}}{\text{No. of registered deaths from all causes, all ages in same year}} \times 100$$

Adjusted or Standardized Rates - To render the rates of 2 communities comparable, adjustment for the difference in age, sex, race and any other factors which influence vital events have to be made.

2 methods:

- a) By applying observed specific rates to some standard population
- b) By applying specific rates of standard population to corresponding classes or groups of the local population.

Case Fatality Ratio - Index of the killing power of a disease. It is influenced by incomplete reporting and poor morbidity data.

$$\text{CFR} = \frac{\text{No. of registered deaths from a specific disease for a given year}}{\text{No. of registered cases from same specific disease in same year}} \times 100$$

Republic of the Philippines
Department of Health
NATIONAL EPIDEMIOLOGY CENTER
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PHILIPPINE HEALTH STATISTICS
1998

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INTRODUCTION

A. SOURCES OF DATA

1. *Live Birth, Death and Fetal Death Statistics*

Effective March 1973 a collaborative program was drawn with the National Statistics Office (NSO) whereby that Office shall provide basic tabulation on births and deaths. Raw data on births, deaths and fetal deaths were taken from the said Office. The basis of the registration of vital events regarding births and deaths is based on Act No. 3753 otherwise known as the Civil Registry Law. By virtue of Commonwealth Act 591, the Administrator of NSO will be the concurrently Civil Registrar-General with all local civil registrars 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 Disease Statistics*

Data on Notifiable Diseases is based on information submitted by different Rural Health Units (RHUs), City Health Offices (CHOs) or Provincial Health Offices (PHOs) and Municipal Health Offices (MHOs) 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 PHOs and CHOs Health Officers, collective weekly morbidity reports (W1-a, W1-b) to the National Epidemiology Center where such data received are then classified, compiled, analyzed and interpreted.

3. *Population Statistics*

The official population estimates since 1931, as computed by NSO, using geometric method are presented in this report. The bases for the yearly population figures are the censuses of 1918, 1939, 1948, 1960, 1970, 1975, 1980 and 1990. In 1980, the Philippine population was pegged at 48,098,460 with an annual growth rate of 2.71 percent. Then, in 1990 the Census of Population and Housing registered a total population of 60,703,206 which recorded a 2.35 percent average annual growth rate, which was 0.36 percent lower from the 1980 level. By population size, the Philippines ranked 9th in Asia and 13th largest in the world. The steady increase in the country's population could be attributed to the increasing number of live births and stable death rates resulting in a progressively growing natural increase.

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

Live births 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 sixteen (16) regions, seventy seven (77) provinces, sixty six (66) cities and three (3) more districts of City of Manila. There is no classification of the place of occurrence as to whether it is rural or urban because of the lack of criteria.

Mortality data were classified geographically either by place of usual residence of the deceased or by place of occurrence of death. Data on deaths by place of usual residence of the deceased are used to prepare population estimates and projection. These data include death that occurred in the Philippines and the deceased were residents of other countries. Such deaths were classified under the category “foreign countries” (see Table 19). On the other hand, classification of deaths by place of occurrence considered the actual place of occurrence of death in the Philippines (see Table 23).

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 may be 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 Death

Morbidity and Mortality statistics published by the Department of Health are classified and tabulated in accordance with the International Classification of Diseases, Version 10 (ICD-10). The structure of the ICD-10 code is alphanumeric. The first character of the code is an alpha character, A to Z except U, followed by 2, 3 or 4 numeric character. Some 3 character categories are further subdivided into sub-categories to enable coding of a disease or condition as specifically as possible.

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 may be considered as four-fold tables with sex as one of the attributes of classifications.

C. ANALYSIS AND INTERPRETATION OF DATA

Vital statistics are essential in planning, operating and evaluating programs on health, transport, agricultural production, employment, housing, among others. They are very useful for a variety of administrative and research purposes. However, they cannot correctly be interpreted unless pertinent qualifying factors 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 rise 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 formulae are used. Thus, the crude birth and death rates are computed per 1,000 population; the infant, neonatal, maternal and fetal death rates per 1,000 live births; and the specific diseases morbidity and mortality rates classified either by age, age and sex are computed 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 and the reporting of Notifiable Diseases (Act 3573) there are deficiencies in the observance of the law due to a variety of factors. In the interpretation of these data, caution must be observed as the data were not adjusted for underregistration or underreporting. Marked fluctuations in vital events totals for some specific areas do not necessarily reflect differentials in fertility or mortality level but rather could be indications of variations in registration coverage. In the case of notifiable diseases, sources of data are the RHUs and BHSs in the country, thus cases identified or confirmed in

hospitals and other private facilities are not included in the report. 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*

Prior to this report, The National Statistics Office (NSO) conducted the latest census of population and housing in May 1990. The NSO population estimates based on the results of the 1990 Census of Population and Housing (CPH) were used as the official population estimates for the computation of the different indicators used in this report. However, because of the urgency of releasing the Philippine Health Statistics, we estimated the 1991-1995 provincial population using the exponential formula for estimating the rate of growth following the trend in the rate of growth from 1970-1990.

The 1995 provincial figures were observed by interpolating linearly the official quinquennial 1990 and 1995 figures. The corresponding city population figures were calculated by assuming the proportionate share of a given city to the total provincial figures (CPH) Report No. 3; 3-41 – Socio-Economic and Demographic Characteristic. The under-one values were also based on the proportionate distribution based on the 1990 census figures.

Philippine Health Picture

1978 -1998



POPULATION

Increased from 45,528,500 to 73,147,776
60.6% Increase



CRUDE BIRTH RATE

Decreased from 30.5 to 22.3
26.9% Decrease



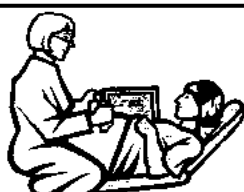
CRUDE DEATH RATE

Declined from 6.5 to 4.8
26.1% Decrease



INFANT DEATH RATE

Declined from 53.1 to 17.3
67.4% Decrease



MATERNAL DEATH RATE

Declined from 1.2 to 1.0
16.6% Decrease



NEONATAL DEATH RATE

Declined from 22.3 to 9.5
57.4% Decrease



TUBERCULOSIS DEATH RATE

Declined from 62.4 to 38.3
38.6% Decrease



LIFE EXPECTANCY AT BIRTH

Male 65.7 years Female 70.9 years
Both Sexes 68.4 years

Table 1

ESTIMATED POPULATION BY SEX
Philippines, 1948- 1998

YEAR	BOTH SEXES	MALE	FEMALE
1998	73,147,776	36,851,141	36,296,635
1997	71,549,790	36,051,342	35,498,448
1996	69,951,810	35,251,544	34,700,266
1995	68,616,536	34,584,170	34,032,366
1994	68,624,247	34,476,274	34,147,973
1993	66,981,614	33,653,665	33,327,949
1992	65,338,989	32,831,066	32,507,923
1991	63,620,672	31,973,356	31,647,316
1990	62,049,229	31,183,608	30,865,621
1989	60,096,988	30,182,591	29,914,397
1988	58,721,307	29,486,542	29,234,765
1987	57,356,042	28,795,983	28,560,059
1986	56,004,130	28,112,404	27,891,726
1985	54,668,332	27,437,246	27,231,086
1984	53,192,708	26,699,705	26,493,003
1983	51,399,565	26,091,773	25,307,792
1982	51,357,151	25,475,273	25,881,878
1981	49,536,022	24,846,275	24,689,747
1980	48,316,503	24,231,626	24,084,877
1979	46,580,400	23,150,500	23,429,900
1978	45,528,500	22,627,700	22,900,800
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	39,039,700	19,434,000	19,605,700
1971	37,959,000	18,888,000	19,071,000
1970	36,849,000	18,318,000	18,531,000
1969	37,158,000	18,741,000	18,417,000
1968	35,883,000	18,098,000	17,785,000
1967	35,196,000	17,480,000	17,716,000
1966	33,477,000	16,885,000	16,592,000
1965	32,345,000	16,314,000	16,031,000
1964	31,270,000	15,772,000	15,498,000
1963	30,241,000	15,255,000	14,986,000
1962	29,257,000	14,759,000	14,498,000
1961	28,313,000	14,282,000	14,031,000
1960	27,410,000	13,826,000	13,584,000
1959	26,926,400	13,441,700	13,484,700
1958	26,096,600	13,032,700	13,063,900
1957	25,292,400	12,638,600	12,653,800
1956	24,513,000	12,254,100	12,258,900
1955	23,757,600	11,881,200	11,876,400
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	20,961,800	10,503,900	10,457,900
1950	20,285,800	10,154,300	10,131,500
1949	19,689,800	9,874,400	9,815,400
1948	19,143,800	9,607,000	9,536,800

ESTIMATED POPULATION

Philippines

1948-1998

No. in millions

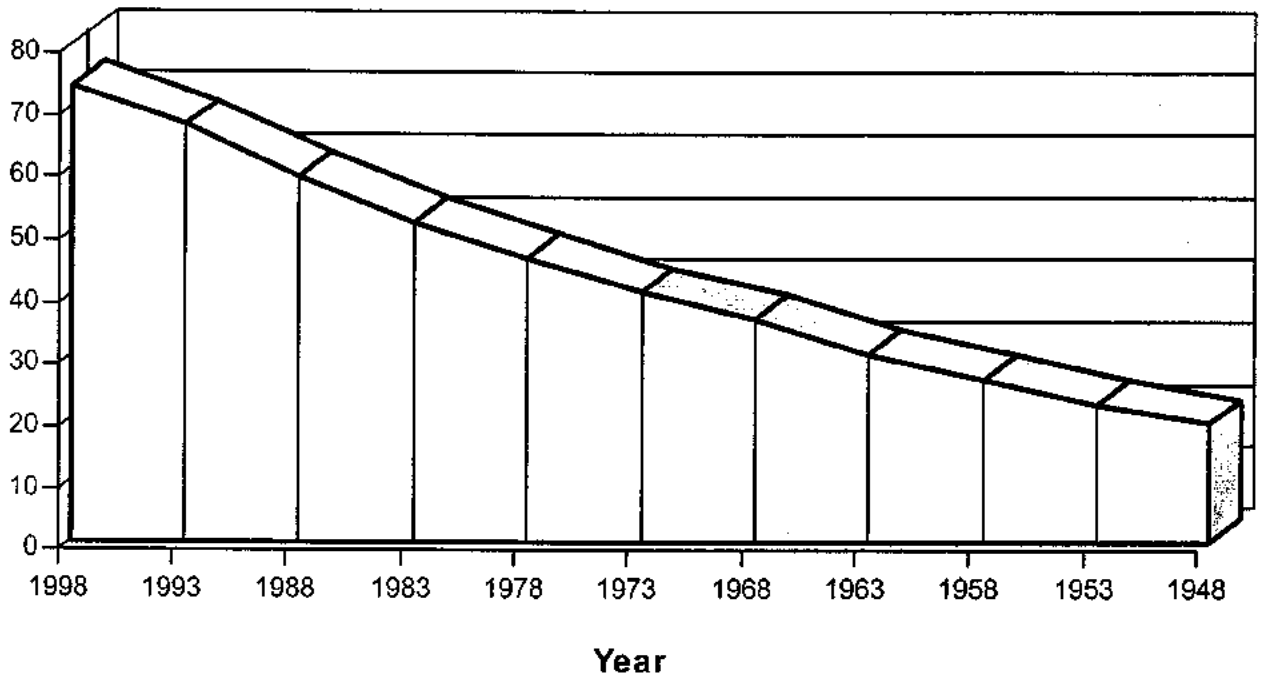


Fig. 2

Table 2

**Estimated Population
By Health Region, Province & City
Philippines, 1998**

Area	Population	Area	Population
PHILIPPINES	73,147,776		
National Capital Region	10,001,139	Nueva Ecija	1,242,113
City of Manila	1,597,963	Pampanga	1,498,278
Manila 2nd District	624,325	Tarlac	999,336
Mandaluyong City	291,487	Zambales	415,406
Pasig City	507,385		
Quezon City	2,080,192	Angeles City	249,677
Marikina City	387,553	Cabanatuan City	214,362
Manila, 3rd District	1,096,387	Olangapo City	182,476
Kalookan City	1,123,325	Palayan City	30,235
Manila, 4th District	1,389,131	San Jose City	103,489
Makati City	487,887		
Pasay City	415,505	Region 4	10,756,216
C.A.R.	1,341,856	Aurora	172,843
Abra	204,040	Batangas	1,321,989
Apayao	89,197	Cavite	1,608,919
Benguet	329,375	Laguna	1,582,169
Ifugao	159,782	Marinduque	205,594
Kalinga	163,869	Mindoro Occidental	360,631
Mt. Province	137,591	Mindoro Oriental	647,359
		Palawan	551,199
Baguio City	258,010	Quezon	1,438,431
Region 1	4,004,645	Rizal	1,527,088
Ilocos Norte	410,033	Romblon	254,193
Ilocos Sur	566,343		
La Union	631,012	Batangas City	223,060
Pangasinan	2,031,306	Cavite City	91,181
		Lipa City	187,071
Dagupan City	131,907	Lucena City	193,374
Laoag City	92,408	Puerto Princessa City	144,816
San Carlos City	141,648	San Pablo City	193,678
Region 2	2,698,874	Tagaytay City	30,962
Batanes	14,689	Trece Martires City	21,670
Cagayan	943,432		
Isabela	1,134,278	Region 5	4,576,793
Nueva Vizcaya	357,627	Albay	911,561
Quirino	142,437	Camarines Norte	474,573
		Camarines Sur	1,311,073
Santiago City	106,417	Catanduanes	214,531
Region 3	7,381,058	Masbate	676,136
Bataan	525,245	Sorsogon	615,203
Bulacan	1,920,446		
		Iriga City	83,100
		Legaspi City	153,789
		Naga City	136,836
		Region 6	6,099,787
		Aklan	432,359
		Antique	455,051
		Capiz	528,625

Note: Sum of Regional Population may not add up to Philippine Population due to rounding off.

Sum of Provincial Population may not add up to Regional Population due to rounding off.

Table 2

**Estimated Population
By Health Region, Province & City
Philippines, 1998**

Area	Population	Area	Population
Guimaras	133,422	Pagadian City	138,523
Iloilo	1,491,154	Zamboanga City	565,071
Negros Occidental	1,437,010		
		Region 10	2,654,003
Bacolod City	435,870	Bukidnon	1,023,582
Bago City	142,381	Camiguin	70,838
Cadiz City	127,735	Misamis Occidental	263,970
Iloilo City	356,174	Misamis Oriental	520,954
La Carlota City	58,255		
Roxas City	129,350	Cagayan de Oro City	471,618
Sagay City	134,208	Gingoog City	89,072
San Carlos City	104,227	Oroquieta City	58,469
Silay City	133,972	Ozamis City	107,995
		Tangub City	47,505
Region 7	5,325,668		
Bohol	974,802	Region 11	4,976,010
Cebu	1,793,255	Cotabato South	670,664
Negros Oriental	872,569	Davao Oriental	435,515
Siquijor	77,935	Davao Del Norte	1,293,329
		Davao Del Sur	704,352
Bais City	65,837	Saranggani	403,020
Canlaon City	43,856		
Cebu City	704,797	Davao City	1,091,969
Danao City	85,337	Gen. Santos City	377,164
Dumaguete City	100,183		
Lapu-Lapu City	193,942	Region 12	2,535,963
Mandawe City	206,139	Lanao Del Norte	468,887
Tagbilaran City	75,118	North Cotabato	927,184
Toledo City	131,898	Sultan Kudarat	563,126
Region 8	3,590,444	Cotabato City	156,852
Biliran	141,270	Iligan City	299,010
Leyte Del Norte	1,274,613	Marawi City	120,908
Leyte Del Sur	338,794		
Eastern Samar	382,617	A.R.M.M.	2,115,413
Northern Samar	482,146	Lanao Del Sur	605,880
Western Samar	488,239	Maguindanao	707,400
		Sulu	542,507
Calbayog City	138,108	Tawi-Tawi	259,626
Ormoc City	156,268		
Tacloban City	188,401	Caraga	2,084,677
		Agusan Del Norte	281,966
Region 9	3,005,258	Agusan Del Sur	575,699
Basilan	312,151	Surigao Del Norte	352,840
Zamboanga Del Norte	661,625	Surigao Del Sur	498,105
Zamboanga Del Sur	1,162,634		
		Butuan City	263,147
Dapitan City	66,675	Surigao City	112,920
Dipolog City	98,586		

Note: Sum of Regional Population may not add up to Philippine Population due to rounding off.

Sum of Provincial Population may not add up to Regional Population due to rounding off.

Table 3

**Estimated Population
No. & Percentage Distribution, By Age & Sex
Philippines, 1998**

Age Group	Population			Percentage Distribution		
	Male	Female	Both Sexes	Male	Female	Both Sexes
All Ages	36,851,141	36,296,635	73,147,776	50.4	49.6	100.0
Under 1 yr.	1,010,380	945,986	1,956,366	1.4	1.3	2.7
1 - 4 yr.	3,889,381	3,699,449	7,588,830	5.3	5.1	10.4
5 - 9 yrs.	4,673,227	4,409,936	9,083,163	6.4	6.0	12.4
10 - 14 yrs.	4,273,796	4,114,576	8,388,372	5.8	5.6	11.5
15 - 19 yrs.	3,852,615	3,778,289	7,630,904	5.3	5.2	10.4
20 - 24 yrs.	3,436,426	3,411,450	6,847,876	4.7	4.7	9.4
25 - 29 yrs.	3,033,909	3,033,355	6,067,264	4.1	4.1	8.3
30 - 34 yrs.	2,654,082	2,646,798	5,300,880	3.6	3.6	7.2
35 - 39 yrs.	2,285,286	2,264,436	4,549,722	3.1	3.1	6.2
40 - 44 yrs.	1,923,642	1,899,835	3,823,477	2.6	2.6	5.2
45 - 49 yrs.	1,577,614	1,557,616	3,135,230	2.2	2.1	4.3
50 - 54 yrs.	1,259,049	1,258,296	2,517,345	1.7	1.7	3.4
55 - 59 yrs.	969,765	991,427	1,961,192	1.3	1.4	2.7
60 - 64 yrs.	735,239	774,680	1,509,919	1.0	1.1	2.1
65 - 69 yrs.	534,534	591,168	1,125,702	0.7	0.8	1.5
70 yrs. & Over	742,196	919,338	1,661,534	1.0	1.3	2.3

ESTIMATED POPULATION Percentage Distribution, By Age & Sex Philippines, 1998

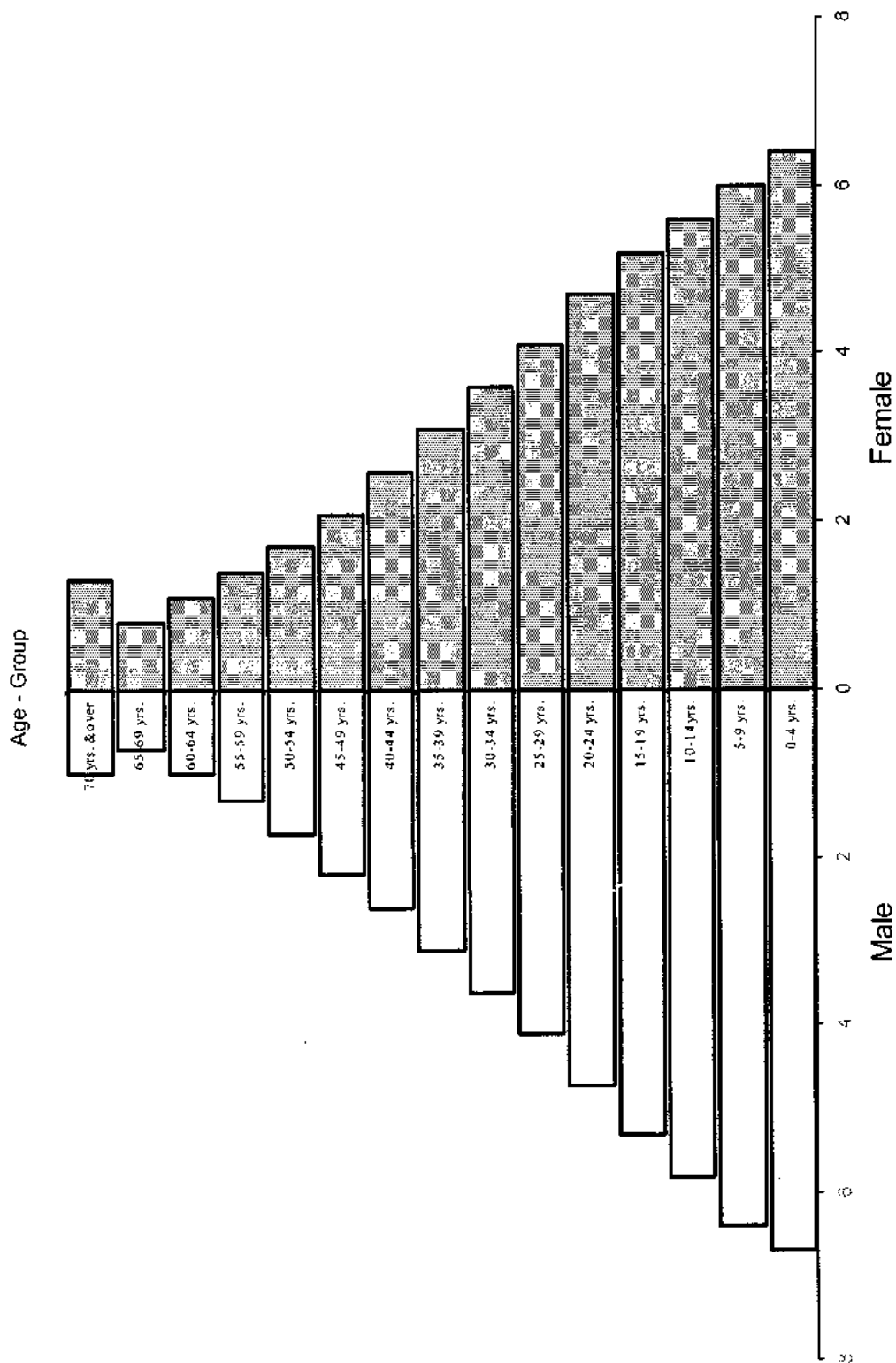


Fig. 3

INFANT AND MATERNAL DEATHS

Rate per 1,000 livebirths

Philippines, 1950-1998

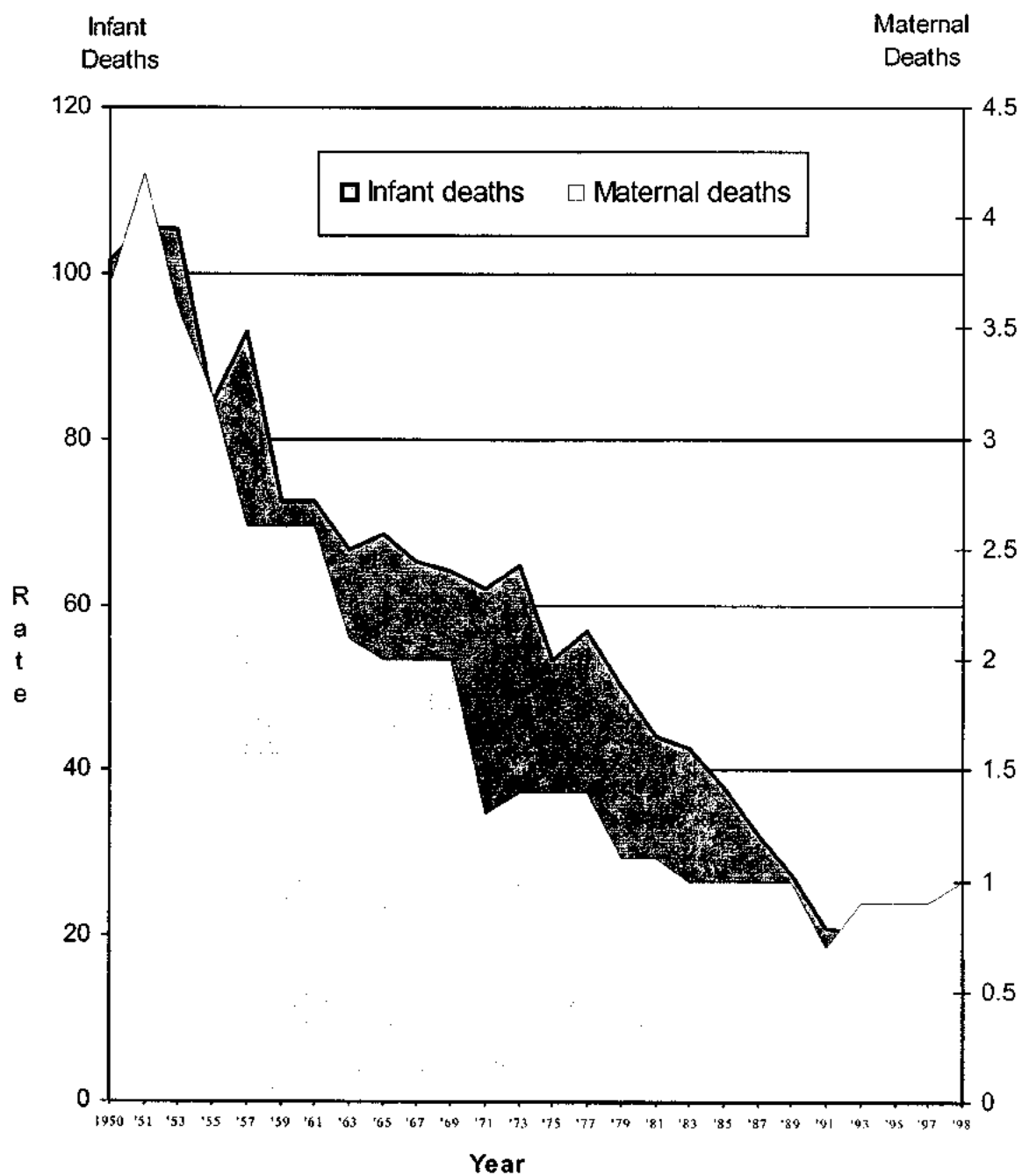


Fig.5

Table 5

**Livebirths, Total Deaths and Infant, Fetal & Maternal Deaths
By Health Region, Province & City
Number & Rate
Philippines, 1998**

Area	Births		Total Deaths		Deaths Under 1 Yr.		Fetal Deaths		Maternal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
PHILIPPINES	1,632,859	22.3	352,992	4.8	28,196	17.3	6,232	3.8	1,579	1.0
NAT. CAP. REGION	289,425	28.9	60,270	6.0	6,798	23.5	1,895	6.5	175	0.6
City of Manila	50,682	31.7	19,373	12.1	1,531	30.2	263	5.2	29	0.6
Manila, 2nd District	3,018	4.8	768	1.2	41	13.6	25	8.3	0	0.0
Mandaluyong	7,238	24.8	1,791	6.1	169	23.3	76	10.5	5	0.7
Pasig City	15,474	30.5	3,379	6.7	335	21.6	131	8.5	12	0.8
Quezon City	61,070	29.4	13,998	6.7	1,101	18.0	279	4.6	30	0.5
Marikina City	10,589	27.3	2,014	5.2	196	18.5	95	9.0	8	0.8
Manila, 3rd District	31,152	28.4	3,794	3.5	847	27.2	186	6.0	35	1.1
Kalookan City	34,220	30.5	4,330	3.9	806	23.6	223	6.5	19	0.6
Manila, 4th District	52,111	37.5	6,646	4.8	1,312	25.2	436	8.4	34	0.7
Makati City	13,889	28.5	2,425	5.0	220	15.8	120	8.6	2	0.1
Pasay City	9,982	24.0	1,752	4.2	240	24.0	61	6.1	1	0.1
C.A.R.	30,256	22.5	4,756	3.5	341	11.3	95	3.1	16	0.5
Abra	3,951	19.4	1,065	5.2	60	15.2	0	0.0	4	1.0
Apayao	1,757	19.7	199	2.2	18	10.2	0	0.0	2	1.1
Benguet	8,115	24.6	963	2.9	91	11.2	22	2.7	4	0.5
Ifugao	3,154	19.7	512	3.2	46	14.6	20	6.3	2	0.6
Kalinga	2,721	16.6	290	1.8	10	3.7	1	0.4	1	0.4
Mt. Province	3,157	22.9	492	3.6	32	10.1	16	5.1	1	0.3
Baguio City	7,401	28.7	1,235	4.8	84	11.3	36	4.9	2	0.3
REGION 1	95,627	23.9	27,179	6.8	2,017	21.1	488	5.1	94	1.0
Ilocos Norte	8,190	20.0	2,755	6.7	160	19.5	73	8.9	9	1.1
Ilocos Sur	11,766	20.8	3,825	6.8	192	16.3	43	3.7	17	1.4
La Union	15,155	24.0	4,424	7.0	286	18.9	92	6.1	12	0.8
Pangasinan	51,157	25.2	12,123	6.0	1,137	22.2	207	4.0	53	1.0
Dagupan City	4,370	33.1	2,067	15.7	115	26.3	39	8.9	-	0.0
Laoag City	1,838	19.9	810	8.8	45	24.5	21	11.4	2	1.1
San Carlos City	3,151	22.2	1,175	8.3	82	26.0	13	4.1	1	0.3
REGION 2	57,271	21.2	13,182	4.9	857	15.0	127	2.2	59	1.0
Batanes	323	22.0	97	6.6	8	24.8	6	18.6	-	0.0
Cagayan	21,091	22.4	5,251	5.6	336	15.9	28	1.3	19	0.9

Note: Deaths by place of occurrence

Table 5

Livebirths, Total Deaths and Infant, Fetal & Maternal Deaths
By Health Region, Province & City
Number & Rate
Philippines, 1998

Area	Births		Total Deaths		Deaths Under 1 Yr.		Fetal Deaths		Maternal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Danao City	2,897	33.9	421	4.9	39	13.5	24	8.3	3	1.0
Dumaguete City	2,126	21.2	1,338	13.4	32	15.1	15	7.1	3	1.4
Lapu-Lapu City	7,714	39.8	1,061	5.5	147	19.1	94	12.2	7	0.9
Mandawe City	7,856	38.1	798	3.9	142	18.1	35	4.5	11	1.4
Tagbilaran City	1,827	24.3	982	13.1	23	12.6	-	0.0	1	0.5
Toledo City	3,588	27.2	597	4.5	45	12.5	3	0.8	2	0.6
REGION 8	57,229	15.9	15,099	4.2	941	16.4	99	1.7	87	1.5
Leyte del Norte	24,503	19.2	5,155	4.0	371	15.1	44	1.8	17	0.7
Leyte del Sur	7,740	22.8	2,287	6.8	151	19.5	8	1.0	9	1.2
Eastern Samar	3,865	10.1	838	2.2	16	4.1	3	0.8	10	2.6
Northern Samar	5,551	11.5	1,988	4.1	128	23.1	3	0.5	25	4.5
Western Samar	3,521	7.2	1,052	2.2	44	12.5	4	1.1	10	2.8
Biliran	2,488	17.6	671	4.7	66	26.5	12	4.8	5	2.0
Calbayog City	2,092	15.1	537	3.9	26	12.4	4	1.9	4	1.9
Ormoc City	3,567	22.8	890	5.7	47	13.2	9	2.5	4	1.1
Tacloban City	3,902	20.7	1,681	8.9	92	23.6	12	3.1	3	0.8
REGION 9	50,920	16.9	9,466	3.1	743	14.6	53	1.0	88	1.7
Basilan	1,502	4.8	613	2.0	29	19.3	11	7.3	6	4.0
Zamboanga del Norte	10,379	15.7	1,643	2.5	136	13.1	1	0.1	20	1.9
Zamboanga del Sur	19,341	16.6	2,722	2.3	171	8.8	13	0.7	33	1.7
Dapitan City	1,667	25.0	352	5.3	39	23.4	1	0.6	2	1.2
Dipolog City	2,172	22.0	724	7.3	65	29.9	5	2.3	9	4.1
Pagadian City	3,212	23.2	597	4.3	18	5.6	4	1.2	3	0.9
Zamboanga City	12,647	22.4	2,815	5.0	285	22.5	18	1.4	15	1.2
REGION 10	55,409	20.9	10,562	4.0	721	13.0	172	3.1	47	0.8
Bukidnon	17,996	17.6	2,045	2.0	135	7.5	37	2.1	19	1.1
Camiguin	1,832	25.9	442	6.2	19	10.4	-	0.0	6	3.3
Misamis Occidental	5,070	19.2	1,210	4.6	66	13.0	20	3.9	2	0.4
Misamis Oriental	11,458	22.0	2,109	4.0	151	13.2	29	2.5	10	0.9
Cagayan de Oro	12,397		2,551	5.4	182	14.7	29	2.3	3	0.2
Gingoog City	2,445	27.4	527	5.9	58	23.7	8	3.3	2	0.8
Oroquieta City	1,282	21.9	539	9.2	29	22.6	5	3.9	3	2.3
Ozamis City	1,975	18.3	872	8.1	55	27.8	41	20.8	2	1.0
Tangub City	954	20.1	267	5.6	26	27.3	3	3.1	-	0.0

Table 5

**Livebirths, Total Deaths and Infant, Fetal & Maternal Deaths
By Health Region, Province & City
Number & Rate
Philippines, 1998**

Area	Births		Total Deaths		Deaths Under 1 Yr.		Fetal Deaths		Maternal Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
REGION 11	92,724	18.6	19,257	3.9	1,066	11.5	96	1.0	94	1.0
Cotabato South	11,616	17.3	2,614	3.9	139	12.0	9	0.8	6	0.5
Davao Oriental	6,852	15.7	1,228	2.8	76	11.1	4	0.6	11	1.6
Davao del Norte	24,504	18.9	4,267	3.3	259	10.6	22	0.9	23	0.9
Davao del Sur	9,925	14.1	2,825	4.0	140	14.1	24	2.4	21	2.1
Sarangani	5,449	13.5	694	1.7	37	6.8	-	0.0	5	0.9
Davao City	26,194	24.0	5,779	5.3	270	10.3	26	1.0	20	0.8
Gen. Santos City	8,184	21.7	1,850	4.9	145	17.7	11	1.3	8	1.0
REGION 12	40,837	16.1	7,151	2.8	366	9.0	74	1.8	42	1.0
Lanao del Norte	7,621	16.3	959	2.0	52	6.8	3	0.4	3	0.4
North Cotabato	15,295	16.5	2,338	2.5	91	5.9	38	2.5	19	1.2
Sultan Kudarat	7,264	12.9	1,512	2.7	64	8.8	8	1.1	7	1.0
Cotabato City	2,894	18.5	834	5.3	34	11.7	1	0.3	4	1.4
Iligan City	6,731	22.5	1,438	4.8	124	18.4	20	3.0	8	1.2
Marawi City	1,032	8.5	70	0.6	1	1.0	4	3.9	1	1.0
A.R.M.M.	6,856	3.2	1,068	0.5	23	3.4	9	1.3	7	1.0
Lanao del Sur	1,571	2.6	268	0.4	5	3.2	0	0.0	2	1.3
Maguindanao	3,375	4.8	431	0.6	12	3.6	0	0.0	2	0.6
Sulu	1,284	2.4	253	0.5	5	3.9	6	4.7	3	2.3
Tawi-Tawi	626	2.4	116	0.4	1	1.6	3	4.8	-	0.0
CARAGA REGION	35,386	17.0	7,040	3.4	403	11.4	78	2.2	45	1.3
Agusan del Norte	5,233	18.6	867	3.1	64	12.2	10	1.9	3	0.6
Agusan del Sur	8,478	14.7	1,002	1.7	62	7.3	4	0.5	5	0.6
Surigao del Norte	5,564	15.8	1,136	3.2	62	11.1	8	1.4	10	1.8
Surigao del Sur	7,916	15.9	1,682	3.4	100	12.6	16	2.0	12	1.5
Butuan City	5,838	22.2	1,510	5.7	84	14.4	37	6.3	12	2.1
Surigao City	2,357	20.9	843	7.5	31	13.2	3	1.3	3	1.3
FOREIGN COUNTRIES/NOT STATED	112		0		2	17.9	1	8.9	-	

NATALITY STATISTICS

All birth statistics tabulated and presented in this report are based on information received by the Office of Civil Registrar General from all Local Civil Registrars throughout the country. Births are registered where the delivery took place or where the birth occurred.

A total of 1,632,859 livebirths were reported in 1997 giving a rate of 22.3 births per 1,000 population. However, the data do not reflect the actual number of babies born per year because of underregistration.

Births by Place of Occurrence - Geographical distribution of livebirths as shown in Table 5 reveals that among the regions, the National Capital Region (NCR) comprises 17.7 % of total livebirths closely followed by Southern Tagalog Region with 16.7%. Autonomous Region for Muslim Mindanao still gets the least share of livebirths with 0.4% only.

Livebirths by Month of Occurrence - In 1998, September had the most number of livebirth occurrences with 152,067 (9.3%) followed by the months of October and January with 151,509 (9.3%) and 145,765 (8.9%) livebirths respectively, as shown in Table 6. While, February is the month where the least number of livebirths were recorded with 122,242 (7.5%) livebirths only.

Livebirths by Age of Mother - As shown in Table 11, the most number of livebirths occurred to mothers who belong to the age group 25-29 years with 473,598 (29.0%), followed by mothers with age 20-24 years with 452,083 (27.7%). The least number of livebirths occurred to mothers under 15 years old with 721 (0.04%).

Livebirths by Attendant of Birth - As presented in Table 10, majority of the total livebirths were attended by medical practitioners like physicians, nurses and midwife. They comprise 65% or 1,062,084 of the total 1,632,859 livebirths. But 34% of the total livebirths were handled by traditional midwives or "hilots". Of the 16 regions in the country, 7 regions show more than 50% of livebirths were attended by traditional midwives or "hilot". These regions were 5,8,9,10,11,ARMM and Caraga. Only NCR had 50% of livebirths attended by a physician.

Birth by Sex - More male babies were born alive in 1998 than female babies. 52% of 1,632,859 livebirths were male and 48% were female. This means that for every 13 baby boys born alive, there corresponds 12 baby girls born alive.

Trend of Crude Birth Rate - The Crude Birth Rate (CBR) indicates the state of population growth in the country. The number of livebirths registered and the corresponding birth rate from 1950 to 1998 is presented in Table 4.

In 1950, the CBR was 31.7. In 1970, twenty years after, the CBR went down to 27.4. Another 20 years after (1990), it further dropped to 26.3. Since then, there was a steady decline in CBR and for 1998 it was recorded at 22.3 or an average of 24.4 in CBR from 1990 to 1998. It can also be noted that from 1950 to 1998, there is a decline of 9.4 in CBR.

General Fertility Rate – Fertility is a demographic phenomenon which is very vital for setting population trend. The fertility of a country is measured in terms of total number of livebirths per 1,000 population over female population of child-bearing age (15-49 yrs.) The 1998 fertility rate of the country is 87.8 in reference to the total population of women in the 15-49 age group which is 18,591,784.

Table 8

**Livebirths by Sex & Health Region, Province & City
Philippines, 1998**

Area	Both Sexes	Male	Female
PHILIPPINES	1,632,859	853,304	779,555
NATIONAL CAPITAL REGION	289,425	154,353	135,072
City of Manila	50,682	26,546	24,136
Manila. 2nd District	3,018	1,594	1,424
Mandaluyong	7,238	3,707	3,531
Pasig City	15,474	8,040	7,434
Quezon City	61,070	34,493	26,577
Marikina City	10,589	5,602	4,987
Manila. 3rd District	31,152	16,483	14,669
Kalookan City	34,220	17,901	16,319
Manila. 4th District	52,111	27,554	24,557
Makati City	13,889	7,174	6,715
Pasay City	9,982	5,259	4,723
C.A.R.	30,256	15,683	14,573
Abra	3,951	2,079	1,872
Apayao	1,757	901	856
Benguet	8,115	4,220	3,895
Ifugao	3,154	1,608	1,546
Kalinga	2,721	1,415	1,306
MT. Province	3,157	1,626	1,531
Baguio City	7,401	3,834	3,567
REGION 1	95,627	49,917	45,710
Ilocos Norte	8,190	4,273	3,917
Ilocos Sur	11,766	6,145	5,621
La Union	15,155	7,992	7,163
Pangasinan	51,157	26,615	24,542
Dagupan City	4,370	2,299	2,071
Laoag City	1,838	948	890
San Carlos City	3,151	1,645	1,506
REGION 2	57,271	29,934	27,337
Batanes	323	171	152
Cagayan	21,091	11,040	10,051
Isabela	23,412	12,250	11,162

Table 8

**Livebirths by Sex & Health Region, Province & City
Philippines, 1998**

Area	Both Sexes	Male	Female
Nueva Vizcaya	7,258	3,752	3,506
Quirino	2,975	1,589	1,386
Santiago City	2,212	1,132	1,080
REGION 3	186,507	96,774	89,733
Bataan	13,857	7,262	6,595
Bulacan	49,513	25,679	23,834
Nueva Ecija	26,244	13,591	12,653
Pampanga	39,318	20,355	18,963
Tarlac	25,479	13,447	12,032
Zambales	10,598	5,417	5,181
Angeles City	8,116	4,160	3,956
Cabanatuan City	5,044	2,574	2,470
Olongapo City	5,394	2,768	2,626
Palayan City	661	352	309
San Jose City	2,283	1,169	1,114
REGION 4	272,698	142,098	130,600
Aurora	3,959	2,059	1,900
Batangas	34,472	17,822	16,650
Cavite	43,900	22,717	21,183
Laguna	44,036	23,046	20,990
Marinduque	5,605	2,902	2,703
Mindoro Occidental	7,148	3,688	3,460
Mindoro Oriental	13,932	7,157	6,775
Palawan	9,466	4,966	4,500
Quezon	33,170	17,157	16,013
Rizal	41,738	22,019	19,719
Romblon	6,176	3,328	2,848
Batangas City	5,993	3,070	2,923
Cavite City	2,562	1,374	1,188
Lipa City	5,767	3,027	2,740
Lucena City	4,451	2,346	2,105
Puerto Princessa City	3,171	1,644	1,527
San Pablo City	5,197	2,758	2,439
Tagaytay City	875	465	410
Trece Martires City	1,080	553	527

Table 8

**Livebirths by Sex & Health Region, Province & City
Philippines, 1998**

Area	Both Sexes	Male	Female
REGION 5	111,215	57,704	53,511
Albay	24,577	12,754	11,823
Camarines Norte	11,040	5,739	5,301
Camarines Sur	32,453	16,894	15,559
Catanduanes	5,532	2,838	2,694
Masbate	10,432	5,396	5,036
Sorsogon	16,476	8,490	7,986
Iriga City	2,503	1,292	1,211
Legaspi City	3,695	1,932	1,763
Naga City	4,507	2,369	2,138
REGION 6	110,455	57,174	53,281
Aklan	8,453	4,385	4,068
Antique	8,606	4,448	4,158
Capiz	8,779	4,520	4,259
Iloilo	27,302	14,128	13,174
Negros Occidental	24,101	12,463	11,638
Guimaras	2,416	1,267	1,149
Bacolod City	6,992	3,639	3,353
Bago City	1,904	1,000	904
Cadiz City	2,659	1,336	1,323
Iloilo City	8,086	4,224	3,862
La Carlota City	812	401	411
Roxas City	2,964	1,483	1,481
Sagay City	2,441	1,298	1,143
San Carlos City	2,730	1,411	1,319
Silay City	2,210	1,171	1,039
REGION 7	139,932	73,429	66,503
Bohol	22,974	11,973	11,001
Cebu	47,555	25,030	22,525
Negros Oriental	17,728	9,258	8,470
Siquijor	1,599	801	798
Bais City	1,173	622	551
Canlaon City	854	472	382
Cebu City	22,041	11,602	10,439

Table 8

**Livebirths by Sex & Health Region, Province & City
Philippines, 1998**

Area	Both Sexes	Male	Female
Danao City	2,897	1,548	1,349
Dumaguete City	2,126	1,119	1,007
Lapu-Lapu City	7,714	4,038	3,676
Mandawe City	7,856	4,111	3,745
Tagbilaran City	1,827	995	832
Toledo City	3,588	1,860	1,728
REGION 8	57,229	29,710	27,519
Leyte del Norte	24,503	12,671	11,832
Leyte del Sur	7,740	4,021	3,719
Eastern Samar	3,865	2,002	1,863
Northern Samar	5,551	2,851	2,700
Western Samar	3,521	1,848	1,673
Biliran	2,488	1,269	1,219
Calbayog City	2,092	1,093	999
Ormoc City	3,567	1,898	1,669
Tacloban City	3,902	2,057	1,845
REGION 9	50,920	26,373	24,547
Basilan	1,502	751	751
Zamboanga del Norte	10,379	5,394	4,985
Zamboanga del Sur	19,341	9,963	9,378
Dapitan City	1,667	869	798
Dipolog City	2,172	1,127	1,045
Pagadian City	3,212	1,679	1,533
Zamboanga City	12,647	6,590	6,057
REGION 10	55,409	29,044	26,365
Bukidnon	17,996	9,437	8,559
Camiguin	1,832	924	908
Misamis Occidental	5,070	2,670	2,400
Misamis Oriental	11,458	5,985	5,473
Cagayan de Oro	12,397	6,565	5,832
Gingoog City	2,445	1,296	1,149
Oroquieta City	1,282	652	630
Ozamis City	1,975	1,030	945
Tangub City	954	485	469

Table 10

**Percentage Distribution of Livebirths by Attendance
By Health, Region, Province & City
Philippines, 1998**

Area	Total Births	Births Attended by:					
		M.D.	Nurse	Midwife	Trad. Birth Att.	Others	Not Stated
PHILIPPINES	1,632,859	37.7	1.0	26.4	34.1	0.7	0.1
NAT. CAP. REGION	289,425	63.3	0.8	25.3	10.3	0.3	0.1
CITY OF MANILA	50,682	76.1	0.2	21.4	2.2	0.0	0.01
MANILA, 2ND DISTRICT	3,018	69.6	0.5	26.6	3.2	0.0	0.1
MANDALUYONG	7,238	69.1	0.9	23.5	6.3	0.1	0.04
PASIG CITY	15,474	62.8	0.3	27.7	9.1	0.05	0.1
QUEZON CITY	61,070	65.8	0.7	21.8	11.1	0.5	0.1
MARIKINA CITY	10,589	63.8	1.6	25.8	8.7	0.04	0.02
MANILA, 3RD DISTRICT	31,152	57.4	1.8	29.1	11.2	0.4	0.1
KALOOKAN CITY	34,220	51.3	0.5	27.3	20.6	0.4	0.01
MANILA, 4TH DISTRICT	52,111	53.2	1.1	31.1	14.4	0.1	0.1
MAKATI CITY	13,889	71.4	0.9	25.4	2.3	0.0	0.01
PASAY CITY	9,982	77.9	0.4	14.2	6.3	1.1	0.1
C.A.R.	30,256	49.3	2.3	14.6	13.6	18.1	2.2
ABRA	3,951	22.5	3.4	25.8	44.3	3.3	0.8
APAYAO	1,757	10.9	1.5	30.2	44.3	12.6	0.5
BENGUET	8,115	49.5	1.0	13.3	2.6	31.3	2.3
IFUGAO	3,154	24.5	7.6	17.9	8.8	30.1	11.0
KALINGA	2,721	26.9	1.9	20.1	25.2	23.9	2.0
MT. PROVINCE	3,157	29.9	4.0	20.6	12.9	30.9	1.6
BAGUIO CITY	7,401	99.5	0.09	0.2	0.1	0.1	0.0
REGION 1	95,627	31.8	1.3	42.0	24.3	0.6	0.05
ILOCOS NORTE	8,190	30.7	1.2	56.4	10.8	0.9	0.0
ILOCOS SUR	11,766	25.5	1.4	43.7	27.9	1.2	0.3
LA UNION	15,155	43.2	0.5	35.9	19.3	1.1	0.01
PANGASINAN	51,157	24.0	1.6	45.2	28.8	0.3	0.01
DAGUPAN CITY	4,370	88.7	0.2	5.9	5.1	0.0	0.02
LAOAG CITY	1,838	47.8	2.8	34.0	15.3	0.1	0.0
SAN CARLOS CITY	3,151	41.4	0.3	28.5	29.8	0.0	0.0
REGION 2	57,271	18.0	1.0	30.2	48.0	2.6	0.1
BATANES	323	40.2	5.0	53.6	1.2	0.0	0.0
CAGAYAN	21,091	16.6	1.1	21.9	60.0	0.3	0.1

Table 10

**Percentage Distribution of Livebirths by Attendance
By Health, Region, Province & City
Philippines, 1998**

Area	Total Births	Births Attended by:					
		M.D.	Nurse	Midwife	Trad. Birth Att.	Others	Not Stated
ISABELA	23,412	15.5	0.7	38.0	44.4	1.3	0.1
NUEVA VIZCAYA	7,258	28.0	1.3	26.5	32.3	11.5	0.4
QUIRINO	2,975	15.6	0.7	23.9	50.1	9.6	0.0
SANTIAGO CITY	2,212	26.8	0.9	43.0	28.6	0.3	0.4
REGION 3	186,507	47.4	1.0	35.9	15.6	0.1	0.03
BATAAN	13,857	48.5	0.4	43.2	7.9	0.1	0.0
BULACAN	49,513	46.8	0.6	39.8	12.8	0.1	0.02
NUEVA ECIJA	26,244	30.2	1.2	43.2	25.2	0.1	0.03
PAMPANGA	39,318	65.8	0.4	24.4	9.2	0.0	0.1
TARLAC	25,479	41.8	1.8	35.2	21.0	0.2	0.01
ZAMBALES	10,598	36.5	1.3	35.0	27.2	0.1	0.0
ANGELES CITY	8,116	40.9	2.3	49.3	7.4	0.04	0.05
CABANATUAN CITY	5,044	73.3	0.4	10.5	15.8	0.0	0.0
OLONGAPO CITY	5,394	43.1	1.1	37.5	18.3	0.04	0.02
PALAYAN CITY	661	38.0	0.5	18.2	43.4	0.0	0.0
SAN JOSE CITY	2,283	25.0	9.3	40.2	25.2	0.2	0.0
REGION 4	272,698	35.8	1.0	27.2	35.7	0.3	0.04
AURORA	3,959	19.3	0.7	11.1	68.4	0.5	0.0
BATANGAS	34,472	28.5	1.0	32.4	37.9	0.1	0.1
CAVITE	43,900	46.9	1.0	34.7	17.2	0.2	0.01
LAGUNA	44,036	42.8	0.8	36.6	19.4	0.4	0.02
MARINDUQUE	5,605	12.1	0.9	19.9	66.2	0.8	0.0
MINDORO OCC.	7,148	12.5	1.5	14.7	70.6	0.7	0.01
MINDORO OR.	13,932	13.2	0.7	8.1	77.9	0.1	0.0
PALAWAN	9,466	7.9	2.4	17.1	71.9	0.7	0.03
QUEZON	33,170	23.0	1.1	19.2	56.3	0.3	0.1
RIZAL	41,738	48.2	0.8	32.1	18.2	0.7	0.01
ROMBLON	6,176	24.2	1.2	22.1	52.5	0.1	0.0
BATANGAS CITY	5,993	47.9	0.5	20.2	31.3	0.1	0.0
CAVITE CITY	2,562	73.8	0.1	10.2	15.9	0.0	0.0
LIPA CITY	5,767	41.1	0.4	18.4	39.8	0.02	0.2
LUCENA CITY	4,451	58.3	0.4	4.5	36.7	0.0	0.1
PUERTO PRINCESA CITY	3,171	38.4	2.7	15.1	43.2	0.6	0.0
SAN PABLO CITY	5,197	44.1	3.8	26.1	25.8	0.1	0.1
TAGAYTAY CITY	875	33.4	1.4	24.9	40.1	0.0	0.0
TRECE MARTIRES CITY	1,080	57.1	0.4	21.9	20.6	0.0	0.0

Table 10

**Percentage Distribution of Livebirths by Attendance
By Health, Region, Province & City
Philippines, 1998**

Area	Total Births	Births Attended by:					
		M.D.	Nurse	Midwife	Trad. Birth Att.	Others	Not Stated
REGION 5	111,215	17.1	1.4	19.8	61.4	0.2	0.01
ALBAY	24,577	11.5	0.7	20.1	67.2	0.5	0.02
CAMARINES NORTE	11,040	9.5	6.8	25.3	58.1	0.3	0.0
CAMARINES SUR	32,453	14.6	1.0	21.1	63.3	0.1	0.0
CATANDUANES	5,532	29.5	0.4	15.2	54.7	0.2	0.0
MASBATE	10,432	9.8	0.2	12.7	76.9	0.3	0.0
SORSOGON	16,476	23.8	0.5	16.0	59.7	0.1	0.0
IRIGA CITY	2,503	15.8	1.4	43.3	39.5	0.0	0.04
LEGASPI CITY	3,695	33.4	1.4	23.7	41.4	0.2	0.0
NAGA CITY	4,507	49.9	1.5	15.5	33.0	0.1	0.0
REGION 6	110,455	34.7	0.6	18.0	46.3	0.4	0.1
AKLAN	8,453	27.9	0.5	25.9	45.4	0.3	0.01
ANTIQUE	8,606	17.8	0.5	21.7	59.7	0.3	0.0
CAPIZ	8,779	20.9	0.4	15.7	63.0	0.1	0.0
ILOILO	27,302	33.5	0.5	19.2	46.5	0.2	0.1
NEGROS OCC.	24,101	23.5	0.6	23.5	51.4	1.0	0.12
GUIMARAS	2,416	34.3	0.4	7.8	57.4	0.04	0.0
BACOLOD CITY	6,992	85.5	0.1	3.7	10.7	0.04	0.01
BAGO CITY	1,904	34.9	0.0	40.5	24.5	0.2	0.0
CADIZ CITY	2,659	31.2	0.2	4.5	63.9	0.3	0.0
ILOILO CITY	8,086	75.8	1.0	7.1	15.7	0.0	0.4
LA CARLOTA CITY	812	39.5	0.2	18.8	41.4	0.0	0.0
ROXAS CITY	2,964	29.4	0.5	19.8	50.3	0.1	0.0
SAGAY CITY	2,441	16.4	0.1	16.1	67.3	0.04	0.0
SAN CARLOS CITY	2,730	10.7	4.3	12.6	72.2	0.3	0.0
SILAY CITY	2,210	69.1	0.1	6.2	24.3	0.0	0.05
REGION 7	139,932	32.7	0.9	32.2	33.9	0.3	0.1
BOHOL	22,974	17.6	0.6	46.3	35.4	0.1	0.0
CEBU	47,555	21.4	1.3	37.9	39.0	0.2	0.1
NEGROS OR.	17,728	19.2	0.5	22.7	56.4	1.1	0.01
SIQUIJOR	1,599	25.8	0.0	67.7	6.4	0.0	0.0
BAIS CITY	1,173	27.4	0.3	14.4	58.0	0.0	0.0
CANLAON CITY	854	13.8	0.5	11.0	74.7	0.0	0.0
CEBU CITY	22,041	66.5	0.5	17.5	15.1	0.3	0.1

Table 10

**Percentage Distribution of Livebirths by Attendance
By Health, Region, Province & City
Philippines, 1998**

Area	Total Births	Births Attended by:					
		M.D.	Nurse	Midwife	Trad. Birth Att.	Others	Not Stated
DANAO CITY	2,897	43.4	0.4	29.7	26.2	0.2	0.0
DUMAGUETE CITY	2,126	83.9	0.2	3.5	11.9	0.6	0.0
LAPU-LAPU CITY	7,714	38.2	1.9	34.3	25.6	0.1	0.1
MANDAWE CITY	7,856	45.3	0.7	35.2	18.7	0.1	0.04
TAGBILARAN CITY	1,827	72.5	0.1	26.6	0.8	0.0	0.0
TOLEDO CITY	3,588	49.2	0.7	8.8	41.2	0.0	0.0
REGION 8	57,229	28.2	1.0	18.6	51.7	0.5	0.0
LEYTE DEL NORTE	24,503	23.7	1.0	23.2	50.9	1.1	0.02
LEYTE DEL SUR	7,740	32.5	1.7	23.1	42.7	0.1	0.1
EASTERN SAMAR	3,865	20.4	0.8	23.3	55.5	0.1	0.0
NORTHERN SAMAR	5,551	18.6	0.3	13.1	67.8	0.1	0.1
WESTERN SAMAR	3,521	22.8	1.1	19.3	56.8	0.1	0.0
BILIRAN	2,488	16.5	0.5	7.0	75.9	0.0	0.0
CALBAYOG CITY	2,092	35.6	0.3	6.7	57.2	0.1	0.0
ORMOC CITY	3,567	39.0	1.9	9.0	50.0	0.0	0.0
TACLOBAN CITY	3,902	67.4	0.4	5.5	26.7	0.0	0.0
REGION 9	50,920	21.6	1.7	24.5	51.6	0.6	0.01
BASILAN	1,502	14.4	0.5	7.6	77.5	0.0	0.0
ZAMBO. DEL NORTE	10,379	13.1	0.7	27.7	57.9	0.6	0.0
ZAMBO. DEL SUR	19,341	7.7	2.0	24.3	64.8	1.2	0.01
DAPITAN CITY	1,667	39.1	0.1	19.1	41.6	0.0	0.0
DIPOLOG CITY	2,172	53.9	0.1	18.1	27.9	0.0	0.0
PAGADIAN CITY	3,212	21.8	0.1	17.0	60.9	0.1	0.03
ZAMBOANGA CITY	12,647	42.6	3.2	27.9	26.0	0.3	0.02
REGION 10	55,409	27.0	0.6	17.5	54.6	0.3	0.0
BUKIDNON	17,996	16.7	0.6	14.8	67.6	0.3	0.01
CAMIGUIN	1,832	28.0	1.3	51.3	19.4	0.0	0.0
MISAMIS OCC.	5,070	18.5	0.3	22.6	58.6	0.0	0.0
MISAMIS OR.	11,458	15.8	0.5	25.7	57.3	0.6	0.05
CAGAYAN DEL ORO	12,397	52.9	0.8	10.7	35.2	0.4	0.0
GINGOOG CITY	2,445	17.8	0.3	7.2	74.7	0.0	0.0
OROQUIETA CITY	1,282	39.5	0.2	21.1	38.8	0.0	0.0
OZAMIS CITY	1,975	48.5	0.3	3.7	47.4	0.0	0.0
TANGUB CITY	954	23.7	0.1	15.9	60.3	0.0	0.0

Table 10

**Percentage Distribution of Livebirths by Attendance
by Health, Region, Province & City
Philippines, 1998**

Area	Total Births	Births Attended by:					
		M.D.	Nurse	Midwife	Trad. Birth Att.	Others	Not Stated
REGION 11	92,724	29.4	0.8	18.2	51.1	0.5	0.04
COTABATO SOUTH	9,925	19.1	0.3	27.3	52.6	0.7	0.07
DAVAO ORIENTAL	6,852	21.0	0.3	13.6	65.0	0.1	0.0
DAVAI DEL NORTE	24,504	22.6	0.3	15.0	61.9	0.2	0.01
DAVAO DEL SUR	11,616	21.3	0.5	12.8	65.1	0.3	0.03
SARANGANI	5,449	7.9	0.6	17.0	73.7	0.8	0.04
DAVAO CITY	26,194	50.7	1.1	20.7	26.7	0.8	0.0
GEN. SANTOS CITY	8,184	27.4	2.7	20.7	48.7	0.3	0.10
REGION 12	40,837	22.7	0.3	28.8	47.6	0.5	0.04
LANAO DEL NORTE	7,621	15.5	0.7	48.4	34.6	0.8	0.1
NORTH COTABATO	15,295	12.4	0.3	22.7	64.0	0.5	0.03
SULTAN KUDARAT	7,264	12.2	0.1	34.7	52.1	0.8	0.0
COTABATO CITY	2,894	50.2	0.2	21.1	28.4	0.0	0.0
ILIGAN CITY	6,731	46.2	0.2	20.2	33.2	0.1	0.03
MARAWI CITY	1,032	72.3	1.0	11.6	15.0	0.0	0.1
A.R.M.M.	6,856	23.1	0.9	19.6	56.3	0.1	0.0
LANAO DEL SUR	1,571	34.1	1.9	15.5	48.4	0.1	0.0
MAGUINDANAO	3,375	23.1	0.4	21.7	54.7	0.1	0.0
SULU	1,284	13.9	0.6	12.9	72.4	0.2	0.0
TAWI-TAWI	626	14.5	1.1	32.7	51.6	0.0	0.0
CARAGA REGION	35,386	20.1	0.4	15.3	64.1	0.1	0.01
AGUSAN DEL NORTE	5,233	18.8	0.7	29.6	50.6	0.3	0.0
AGUSAN DEL SUR	8,478	11.1	0.3	14.8	73.7	0.1	0.0
SURIGAO DEL NORTE	5,564	12.5	0.6	10.8	75.7	0.3	0.04
SURIGAO DEL SUR	7,916	17.3	0.2	19.4	63.1	0.03	0.03
BUTUAN CITY	5,838	38.3	0.6	6.7	54.4	0.02	0.0
SURIGAO CITY	2,357	38.1	0.2	3.1	58.5	0.04	0.0
FOREIGN NATIONALS	112	83.0	0.9	7.1	7.1	0.0	1.8

BIRTHS BY ATTENDANCE Philippines, 1998

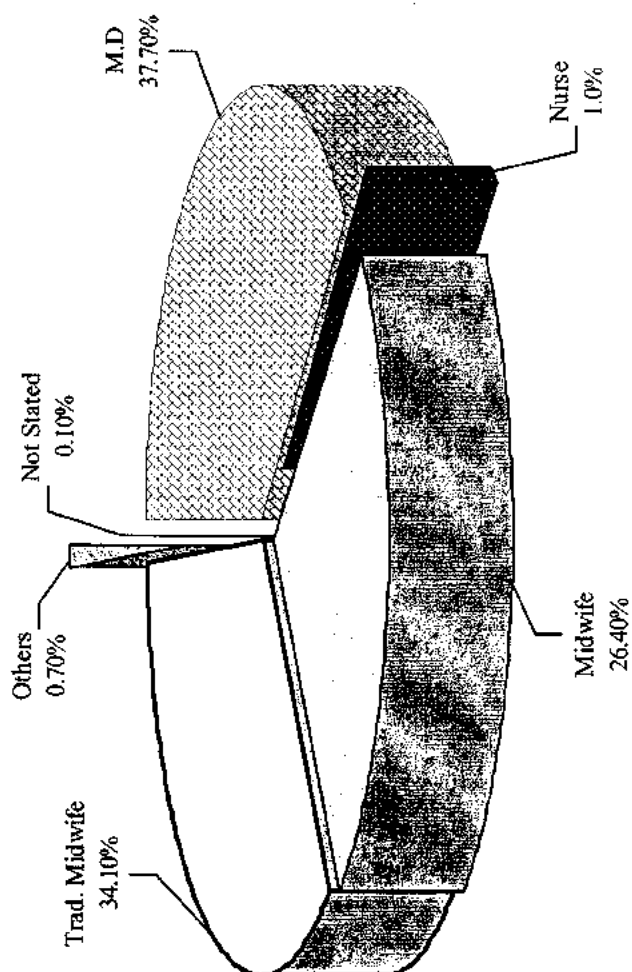


Fig. 8

Table 11

**Livebirths by Age of Mother & by Sex
Philippines, 1998**

Age of Mother	Both Sexes	Percentage Distribution	Male	Female
	Number		Number	Number
All Ages	1,632,859	100.0	853,304	779,555
Under 15 years	721	0.04	364	357
15 - 19 years	114,519	7.01	59,848	54,671
20 - 24 years	452,083	27.69	236,565	215,518
25 - 29 years	473,598	29.00	247,658	225,940
30 - 34 years	326,807	20.01	171,318	155,489
35 - 39 years	189,249	11.59	98,338	90,911
40 - 44 years	64,254	3.94	33,258	30,996
45 - 49 years	7,971	0.49	4,093	3,878
50 years & Over	760	0.05	378	382
Not Stated	2,897	0.18	1,484	1,413

Table 12

**Livebirths by Age of Mother & Number of Living Children
Philippines, 1998**

Age of Mother (In Years)	Total	Number of Living Children				
		1	2	3	4	5
All Ages	1,632,859	491,612	365,396	255,029	166,403	106,558
Under 15 years	721	580	-	-	-	-
15 - 19 years	114,519	93,298	15,832	1,500	153	29
20 - 24 years	452,083	216,835	141,596	55,203	14,176	2,822
25 - 29 years	473,598	117,757	125,595	101,377	62,186	29,044
30 - 34 years	326,807	43,826	58,517	63,881	54,323	40,564
35 - 39 years	189,249	14,438	19,255	26,893	27,831	25,848
40 - 44 years	64,254	3,368	3,598	5,214	6,696	7,219
45 - 49 years	7,971	581	405	493	660	772
50 years & over	760	110	79	80	76	79
Not Stated	2,897	819	519	388	302	181

Age of Mother (In Years)	Number of Living Children					
	6	7	8	9	10 & Over	Not Stated
All Ages	68,473	43,206	26,820	15,381	9,350	84,631
Under 15 years	-	-	-	-	-	141
15 - 19 years	-	-	-	-	-	3,707
20 - 24 years	589	155	55	17	33	20,602
25 - 29 years	10,531	2,953	721	196	158	23,080
30 - 34 years	26,376	14,124	6,038	2,121	704	16,333
35 - 39 years	22,395	17,772	12,335	7,052	3,756	11,674
40 - 44 years	7,576	7,194	6,757	5,217	4,023	7,392
45 - 49 years	784	848	806	702	620	1,300
50 years & over	65	61	44	47	37	82
Not Stated	157	99	64	29	19	320

LIVEBIRTHS BY AGE OF MOTHER AND BY SEX Philippines, 1998

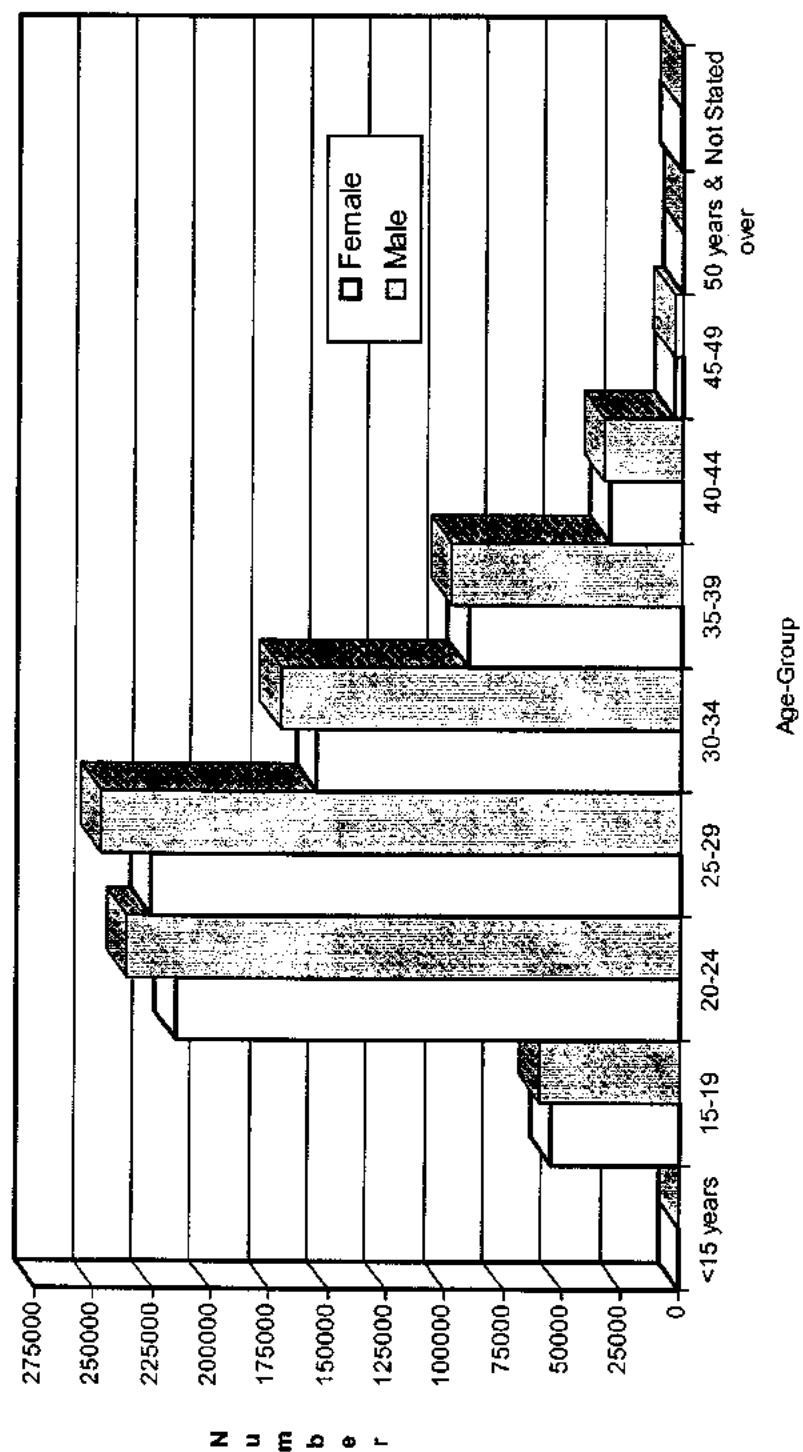


Fig.9

NOTIFIABLE DISEASES STATISTICS

The statistics on Notifiable Diseases presented and analyzed in this report were collected from Weekly Report of Notifiable Diseases (W-1b) received from all provincial and city health offices throughout the country.

In accordance with **ACT 3573** (Law on Reporting of Communicable Diseases), the Department of Health mandates the reporting of the following diseases preferably within 72 hours of occurrence of the case: AIDS/HIV Infection, Bronchitis, Cholera, Chickenpox, Dengue H-Fever, Diarrheas, Diphtheria, Diseases of the Heart, Dysentery, Filariasis, Infectious Hepatitis, Influenza, Leprosy, Malaria, Malignant Neoplasms, Measles, Pneumonias, Poliomyelitis, Schistosomiasis, Syphilis, Tetanus Neonatorum, Typhoid and other Salmonella Infections, TB Meningitis, TB other forms, Whooping Cough and other diseases with unusual occurrence.

NATIONAL PROFILE: LEADING CAUSES OF MORBIDITY- The Ten (10) Leading Causes of Morbidity in 1998 are shown in Table 14 and Figure 10. Diarrheas still top the list with a total of 931,655 cases or 1274 per 100,000 population followed by Pneumonia (646,789), Bronchitis (635,089), Influenza (563,674) and Tuberculosis All Forms (151,650) that are confined to ranks 2 to 5 respectively. Diseases of the Heart is now on the 6th with 72,309 cases, followed by Malaria (70,859), Dengue (44,532), Chickenpox (32,613) and Measles (23,591).

REGIONAL MORBIDITY DIFFERENTIALS: The 1998 report of notifiable diseases (Table 15 and 16) shows a large variations in morbidity rates by type of morbid conditions among regions. Diarrhea, Pneumonia, Bronchitis and Influenza are the leading morbidity diseases common to all regions. Diarrhea is number one in regions CAR, 1,3,4,5,7,11 and 12. Pneumonia is the top cause of morbidity in regions NCR,6,8 and 10. Influenza is highest in regions 2,9 and ARMM while Bronchitis is number one in Caraga region.

Table 13

**Livebirths by Age of Mother & by Health Region
Philippines, 1998**

AREA	Age of Mother										
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50 & over	Not stated
Philippines	1,632,859	721	114,519	452,083	473,598	326,807	189,249	64,254	7,971	760	2,897
NCR	289,425	134	21,634	83,598	89,772	57,625	28,180	7,241	699	99	443
CAR	30,256	8	2,187	8,043	8,497	6,063	3,721	1,314	169	17	237
Region 1	95,627	31	7,134	26,613	27,496	18,597	11,044	3,988	481	59	184
Region 2	57,271	24	4,818	17,568	15,814	10,297	6,088	2,197	304	18	143
Region 3	186,507	59	14,647	55,883	55,723	35,696	17,910	5,533	699	55	302
Region 4	272,698	114	19,671	77,213	79,744	54,361	30,023	9,867	1,136	150	419
Region 5	111,215	50	5,760	28,135	31,210	23,416	15,469	6,111	851	77	136
Region 6	110,455	45	5,231	25,272	31,406	24,679	16,435	6,279	857	61	190
Region 7	139,932	86	10,090	38,698	39,139	27,500	17,358	6,028	670	60	303
Region 8	57,229	28	3,620	14,638	15,582	11,946	7,863	2,928	381	31	212
Region 9	50,920	36	3,452	13,847	14,329	10,152	6,483	2,193	290	22	116
Region 10	55,409	39	3,814	15,203	15,408	10,806	7,032	2,637	368	38	64
Region 11	92,724	50	7,203	26,134	26,177	18,132	10,640	3,850	468	27	43
Region 12	40,837	11	2,976	11,044	11,333	8,244	5,052	1,850	264	24	39
ARMM	6,856	1	517	1,688	1,943	1,420	894	283	65	6	39
CARAGA	35,386	5	1,760	8,490	9,993	7,845	5,038	1,947	267	16	25
Foreign Nationals	112	0	5	16	32	28	19	8	2	0	2

Table 14

MORBIDITY: Ten (10) Leading Causes
Number & Rate /100,000 Population
Philippines
5-Year Average (1993-1997) & 1998

Cause	5 Year Average (1993-1997)		1998*	
	Number	Rate	Number	Rate
1. Diarrhea (A09)	1,092,233	1604.65	931,655	1273.66
2. Pneumonia (J12-J18)	616,182	904.86	646,789	884.22
3. Bronchitis (J40)	862,938	1276.58	635,089	868.23
4. Influenza (J10-J11)	666,950	983.48	563,674	770.60
5. Hypertension (I10) **	**	**	158,992	217.36
6. TB Respiratory ***	152,356	221.1	131,456	179.71
7. Diseases of the Heart (I00-I99)	102,188	151.61	72,309	98.85
8. Malaria (B50-B54)	60,342	88.38	70,859	96.87
9. Dengue (A91)	17,219	25.29	44,532	60.88
10. Chickenpox (B01)	59,277	87.13	32,613	44.59

* reference year

** included in the list of notifiable diseases since 1998 only

*** included in the list of notifiable diseases since 1996 only

MORBIDITY : TEN (10) LEADING CAUSES

Rate Per 100,000 Population
Philippines, 1998

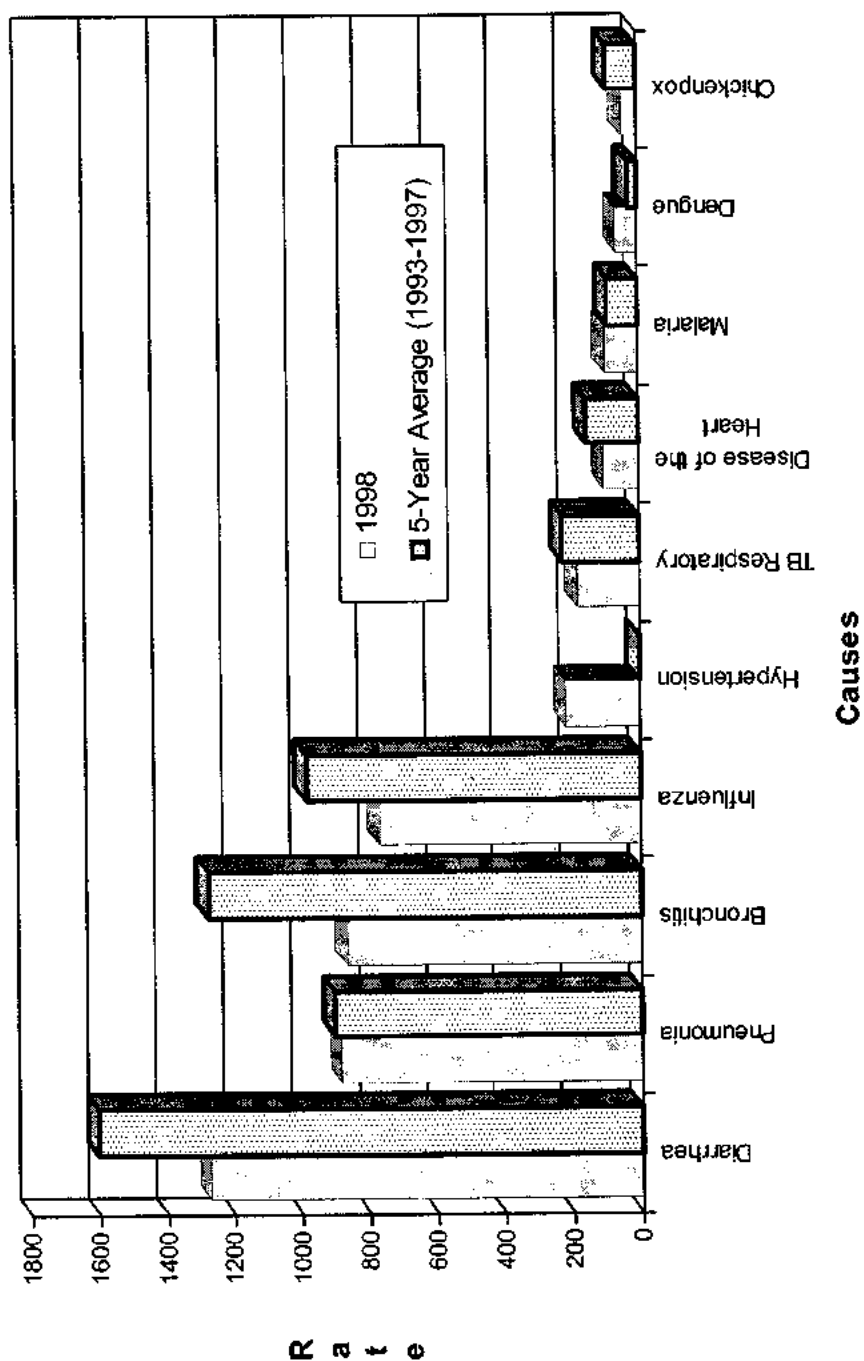


Fig. 10

Table 15

**Morbidity: Ten (10) Leading Causes
Number & Rate/100,000 Population*
Philippines, 1998**

Causes	National Capital Region	
	Number	Rate
1. Pneumonia	105,083	1050.71
2. Diarrhea	105,056	1050.44
3. Bronchitis	75,651	756.42
4. TB Respiratory	31,040	310.36
5. Influenza	20,415	204.13
6. Hypertension	10,174	101.73
7. Dengue	5,583	55.82
8. Diseases of the Heart	5,546	55.45
9. Chickenpox	2,682	26.82
10. Measles	2,439	24.39

Causes	Cordillera Autonomous Region	
	Number	Rate
1. Diarrhea	30,135	2245.77
2. Pneumonia	29,845	2224.16
3. Bronchitis	29,815	2221.92
4. Influenza	17,979	1339.86
5. Malaria	15,564	1159.89
6. Hypertension	10,069	750.38
7. Diseases of the Heart	2,147	160.00
8. TB Respiratory	2,098	156.35
9. Chickenpox	1,749	130.34
10. Typhoid and Paratyphoid	944	70.35

Causes	Region 1	
	Number	Rate
1. Diarrhea	59,908	1495.96
2. Bronchitis	37,023	924.50
3. Influenza	29,393	733.97
4. Pneumonia	28,182	703.73
5. Hypertension	12,751	318.41
6. TB Respiratory	9,107	227.41
7. Diseases of the Heart	3,990	99.63
8. Dengue	1,937	48.37
9. Chickenpox	1,160	28.97
10. Measles	701	17.50

Causes	Region 2	
	Number	Rate
1. Influenza	56,074	2077.68
2. Bronchitis	44,014	1630.83
3. Diarrhea	38,295	1418.93
4. Pneumonia	15,322	567.72
5. Hypertension	13,422	497.32
6. Malaria	4,816	178.44
7. TB Respiratory	3,582	132.72
8. Diseases of the Heart	2,831	104.90
9. Chickenpox	1,754	64.99
10. Typhoid and Paratyphoid	1,325	49.09

* population of respective region

Table 15

**Morbidity: Ten (10) Leading Causes
Number & Rate/100,000 Population*
Philippines, 1998**

Causes		Region 11	
		Number	Rate
1.	Diarrhea	40,920	822.35
2.	Pneumonia	38,852	780.79
3.	Influenza	37,874	761.13
4.	Bronchitis	29,460	592.04
5.	Hypertension	11,501	231.13
6.	TB Other Form	11,480	230.71
7.	Diseases of the Heart	9,833	197.61
8.	Malaria	7,689	154.52
9.	Dengue	2,816	56.59
10.	Chickenpox	1,218	24.48

Causes		Region 12	
		Number	Rate
1.	Diarrhea	35,825	1412.68
2.	Influenza	30,995	1222.22
3.	Bronchitis	25,982	1024.54
4.	Pneumonia	19,770	779.59
5.	Hypertension	5,920	233.44
6.	TB Respiratory	5,299	208.95
7.	Diseases of the Heart	3,369	132.85
8.	Dengue	1,684	66.40
9.	Typhoid and Paratyphoid	1,657	65.34
10.	Chickenpox	993	39.16

Causes		A.R.M.M.	
		Number	Rate
1.	Influenza	48,167	2276.95
2.	Diarrhea	36,741	1736.82
3.	Pneumonias	19,776	934.85
4.	Malaria	17,607	832.32
5.	TB Respiratory	15,385	727.28
6.	Bronchitis	9,805	463.50
7.	Hypertension	5,005	236.60
8.	Measles	1,893	89.49
9.	Diseases of the Heart	1,594	75.35
10.	Chickenpox	1,377	65.09

Causes		Caraga	
		Number	Rate
1.	Bronchitis	27,789	1333.01
2.	Pneumonia	22,964	1101.56
3.	Influenza	22,450	1076.91
4.	Diarrhea	19,921	955.59
5.	Malaria	6,064	290.88
6.	Hypertension	5,703	273.57
7.	TB Respiratory	2,494	119.63
8.	Schistosomiasis	2,094	100.45
9.	Chickenpox	1,912	91.72
10.	Measles	915	43.89

* population of respective region

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	TYPHOID & PARATYPHOID FEVER		DIARRHEAS		TB OTHER FORMS		TB MENINGITIS	
	(A01)		(A09)		(A17-A19)		(A17.0*,G01*)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	15,507	21.20	931,655	1,273.66	19,849	27.14	345	0.47
NCR	1,827	17.40	105,056	1,003.00	565	5.40	61	0.60
1st District Mun.	891	77.30	15,496	1,345.20	111	9.60	5	0.40
Manila	142	8.40	19,498	1,156.60	-	-	-	-
2nd District Mun.	40	2.80	13,143	920.00	193	13.50	2	0.10
Quezon City	407	18.50	16,354	744.90	8	0.40	13	0.60
3rd District Mun.	4	0.40	9,179	978.60	144	15.40	23	2.50
Caloocan City	111	9.20	8,300	688.10	34	2.80	1	0.10
4th District Mun.	93	6.50	19,250	1,341.70	75	5.20	15	1.00
Pasay City	139	32.10	3,836	885.70	-	-	2	0.50
C.A.R.	944	70.35	30,135	2,245.77	150	11.18	2	0.15
Abra	136	66.65	4,342	2,128.01	9	4.41	1	0.49
Apayao	-	-	2,055	2,303.89	32	35.88	-	-
Benguet	159	48.27	8,110	2,462.24	3	0.91	-	-
Ifugao	391	244.71	5,338	3,340.80	10	6.26	1	0.63
Kalinga	-	-	3,938	2,403.14	-	-	-	-
Mt. Province	73	53.06	3,716	2,700.76	96	69.77	-	-
Baguio City	185	71.70	2,636	1,021.67	-	-	-	-
Region 1	565	14.11	59,908	1,495.96	655	16.36	-	-
Ilocos Norte	-	-	5,277	1,286.97	48	11.71	-	-
Ilocos Sur	93	16.42	5,114	902.99	63	11.12	-	-
La Union	40	6.34	4,209	667.02	-	-	-	-
Pangasinan	337	16.59	42,402	2,087.43	544	26.78	-	-
Dagupan City	88	66.71	1,118	847.57	-	-	-	-
Laoag City	-	-	41	44.37	-	-	-	-
San Carlos City	7	4.94	1,747	1,233.34	-	-	-	-
Region 2	1,325	49.09	38,295	1,418.93	642	23.79	4	0.15
Batanes	-	-	383	2,607.39	-	-	-	-
Cagayan	69	7.31	10,216	1,082.85	119	12.61	2	0.21
Isabela	-	-	17,636	1,554.82	-	-	-	-
Nueva Vizcaya	177	49.49	5,151	1,440.33	521	145.68	1	0.28
Quirino	1,016	713.30	3,401	2,387.72	-	-	1	0.70
Santiago City	63	59.20	1,508	1,417.07	2	1.88	-	-

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	TYPHOID & PARATYPHOID FEVER		DIARRHEAS		TB OTHER FORMS		TB MENINGITIS	
	(A01)		(A09)		(A17-A19)		(A17.0*,G01*)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	794	10.76	119,300	1,616.30	1,657	22.45	22	0.30
Bataan	159	30.27	15,743	2,997.27	26	4.95	6	1.14
Bulacan	435	22.65	42,706	2,223.75	66	3.44	4	0.21
Nueva Ecija	93	7.49	7,248	583.52	178	14.33	2	-
Pampanga	17	1.13	19,292	1,287.61	1,187	79.22	-	-
Tarlac	7	0.70	18,169	1,818.11	96	9.61	-	-
Zambales	3	0.72	6,956	1,674.51	-	-	1	0.24
Angeles City	53	21.23	5,588	2,238.09	62	24.83	-	-
Cabanatuan City	-	-	907	423.12	14	6.53	-	-
Olangapo City	27	14.80	1,164	637.89	28	15.34	9	4.93
Palayan City	-	-	-	-	-	-	-	-
San Jose City	-	-	1,527	1,475.52	-	-	-	-
Region 4	1,540	14.32	96,743	899.41	964	8.96	22	0.20
Aurora	-	-	1,111	642.78	-	-	-	-
Batangas	21	1.59	18,004	1,361.89	183	13.84	1	0.08
Cavite	51	3.17	14,162	880.22	55	3.42	1	0.06
Laguna	7	0.44	8,826	557.84	23	1.45	4	0.25
Marinduque	3	1.46	1,924	935.82	-	-	-	-
Mindoro Occidental	25	6.93	4,336	1,202.34	-	-	-	-
Mindoro Oriental	-	-	4,086	-	-	-	-	-
Palawan	140	25.40	9,163	1,662.38	93	16.87	-	-
Quezon	17	1.18	5,123	356.15	68	4.73	2	0.14
Rizal	28	1.83	11,564	757.26	6	0.39	1	0.07
Romblon	360	141.62	3,698	1,454.80	339	133.36	1	0.39
Batangas City	26	11.66	2,635	1,181.30	1	0.45	1	0.45
Cavite City	-	-	907	994.72	1	1.10	-	-
Lipa City	221	118.14	3,522	1,882.71	28	14.97	11	5.88
Lucena City	-	-	2,587	1,337.82	2	1.03	-	-
Puerto Princessa City	12	8.29	2,011	1,388.66	4	2.76	-	-
San Pablo City	629	324.77	2,053	1,060.01	161	83.13	-	-
Tagaytay City	-	-	548	1,769.91	-	-	-	-
Trece Martires City	-	-	483	2,228.89	-	-	-	-
Region 5	351	7.67	50,604	1,105.67	428	9.35	22	0.48
Albay	18	1.97	16,542	1,814.69	5	0.55	12	1.32
Camarines Norte	47	9.90	4,124	868.99	188	39.61	3	0.63
Camarines Sur	9	0.69	9,197	701.49	174	13.27	-	-
Catanduanes	4	1.86	1,264	589.19	16	7.46	-	-
Masbate	189	27.95	6,080	899.23	32	4.73	-	-
Sorsogon	12	1.95	6,049	983.25	4	0.65	3	0.49
Iriga City	-	-	465	559.57	2	2.41	-	-
Legaspi City	64	41.62	2,950	1,918.21	-	-	2	1.30
Naga City	8	5.85	3,933	2,874.24	7	5.12	2	1.46

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	TYPHOID & PARATYPHOID FEVER		DIARRHEAS		TB OTHER FORMS		TB MENINGITIS	
	(A01)		(A09)		(A17-A19)		(A17.0*,G01*)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	3,028	49.64	64,131	1,051.36	552	9.05	48	0.79
Aklan	140	32.38	5,101	1,179.81	175	40.48	-	-
Antique	190	41.75	5,732	1,259.64	36	7.91	2	0.44
Capiz	12	2.27	3,400	643.18	-	-	-	-
Guimaras	124	92.94	9,550	7,157.74	152	113.92	1	0.75
Iloilo	935	62.70	1,734	116.29	14	0.94	2	0.13
Negros Occidental	407	28.32	21,784	1,515.93	42	2.92	3	0.21
Bacolod City	140	32.12	1,540	353.32	92	21.11	29	6.65
Bago City	4	2.81	1,764	1,238.93	2	1.40	-	-
Cadiz City	33	25.83	2,609	2,042.51	-	-	-	-
Iloilo City	136	38.18	2,044	573.88	11	3.09	6	1.68
La Carlota City	286	490.94	1,542	2,646.98	-	-	-	-
Roxas City	384	296.87	1,739	1,344.41	-	-	-	-
Sagay City	103	76.75	953	710.09	-	-	-	-
San Carlos City	92	88.27	2,703	2,593.38	28	26.86	5	4.80
Silay City	42	31.35	1,936	1,445.08	-	-	-	-
Region 7	510	9.58	123,681	2,322.36	296	5.56	26	0.49
Bohol	120	12.31	37,626	3,859.86	218	22.36	3	0.31
Cebu	69	3.85	35,448	1,976.74	21	1.17	3	0.17
Negros Oriental	10	1.15	23,384	2,679.90	3	0.34	2	0.23
Siquijor	160	205.30	916	1,175.34	-	-	-	-
Bais City	1	1.52	38	57.72	-	-	-	-
Canlaon City	-	-	1,006	2,293.87	-	-	-	-
Cebu City	2	0.28	6,896	978.44	25	3.55	-	-
Danao City	-	-	3,557	4,168.18	-	-	-	-
Dumaguete City	16	15.97	1,618	1,615.04	-	-	-	-
Lapu-Lapu City	6	3.09	4,137	2,133.11	-	-	-	-
Mandawe City	45	21.83	2,045	992.05	18	8.73	-	-
Tagbilaran City	63	83.87	2,791	3,715.49	-	-	18	23.96
Toledo City	18	13.65	4,219	3,198.68	11	8.34	-	-
Region 8	809	22.53	37,909	1,055.83	450	12.53	39	1.09
Biliran	3	2.12	2,082	1,473.77	-	-	7	4.96
Leyte Del Norte	234	18.36	9,977	782.75	102	8.00	30	2.35
Leyte Del Sur	34	10.04	6,719	1,983.21	235	69.36	2	0.59
Eastern Samar	9	2.35	7,331	1,916.02	55	14.37	-	-
Northern Samar	-	-	-	-	-	-	-	-
Western Samar	351	71.89	7,718	1,580.78	55	11.26	-	-
Calbayog City	116	83.99	2,464	1,784.11	-	-	-	-
Ormoc City	39	24.96	1,350	863.90	3	1.92	-	-
Tacloban City	23	12.21	268	142.25	-	-	-	-

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	TYPHOID & PARATYPHOID FEVER		DIARRHEAS		TB OTHER FORMS		TB MENINGITIS	
	(A01)		(A09)		(A17-A19)		(A17.0*,G01*)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	939	31.25	42,009	1,397.85	275	9.15	18	0.60
Basilan	6	1.92	3,738	1,197.50	-	-	-	-
Zamboanga Del Norte	11	1.66	10,968	1,657.74	136	20.56	1	0.15
Zamboanga Del Sur	227	19.52	17,103	1,471.06	62	5.33	15	1.29
Dapitan City	2	3.00	1,663	2,494.19	-	-	-	-
Dipolog City	4	4.06	906	918.99	41	41.59	2	2.03
Pagadian City	406	293.09	1,647	1,188.97	24	17.33	-	-
Zamboanga City	283	50.08	5,984	1,058.98	12	2.12	-	-
Region 10	811	30.56	30,477	1,148.34	484	18.24	15	0.57
Bukidnon	413	40.35	10,212	997.67	71	6.94	8	0.78
Camiguin	2	2.82	405	571.73	54	76.23	-	-
Misamis Occidental	77	29.17	2,541	962.61	53	20.08	6	2.27
Misamis Oriental	117	22.46	5,760	1,105.66	117	22.46	-	-
Cagayan de Oro	109	23.11	5,688	1,206.06	186	39.44	-	-
Gingoog City	26	29.19	503	564.71	-	-	-	-
Oroquieta City	16	27.36	1,079	1,845.42	1	1.71	1	1.71
Ozamis City	50	46.30	4,255	3,940.00	-	-	-	-
Tangub City	1	2.11	34	71.57	2	4.21	-	-
Region 11	99	1.99	40,920	822.35	11,480	230.71	-	-
Cotabato South	88	13.12	4,700	700.80	792	118.09	-	-
Davao Oriental	11	2.53	3,927	901.69	343	78.76	-	-
Davao Del Norte	-	-	4,798	370.98	2,670	206.44	-	-
Davao Del Sur	-	-	2,480	352.10	-	-	-	-
Sarangani	-	-	8,131	2,017.52	649	161.03	-	-
Davao City	-	-	12,530	1,147.47	5,534	506.79	-	-
Gen. Santos City	-	-	4,354	1,154.40	1,492	395.58	-	-
Region 12	1,657	65.34	35,825	1,412.68	64	2.52	51	2.01
Lanao Del Norte	119	25.38	3,024	644.93	44	9.38	-	-
North Cotabato	661	71.29	16,038	1,729.75	3	0.32	3	0.32
Sultan Kudarat	323	57.36	11,367	2,018.55	3	0.53	5	0.89
Cotabato City	127	80.97	2,975	1,896.69	-	-	2	1.28
Iligan City	193	64.55	983	328.75	-	-	-	-
Marawi City	234	193.54	1,438	1,189.33	14	11.58	41	33.91

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	TYPHOID & PARATYPHOID FEVER		DIARRHEAS		TB OTHER FORMS		TB MENINGITIS	
	(A01)		(A09)		(A17-A19)		(A17.0 ⁺ ,G01 ⁺)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	82	3.88	36,741	1,736.82	835	39.47	15	0.71
Lanao Del Sur	47	7.76	6,909	1,140.32	-	-	2	0.33
Maguindanao	31	4.38	17,443	2,465.79	-	-	-	-
Sulu	4	0.74	7,153	1,318.51	732	134.93	-	-
Tawi-Tawi	-	-	5,236	2,016.75	103	39.67	13	5.01
Caraga	226	10.84	19,921	955.59	352	16.89	-	-
Agusan Del Norte	1	0.35	2,357	835.92	36	12.77	-	-
Agusan Del Sur	20	3.47	6,442	1,118.99	59	10.25	-	-
Surigao Del Norte	18	5.10	1,483	420.30	229	64.90	-	-
Surigao Del Sur	116	23.29	6,024	1,209.38	28	5.62	-	-
Butuan City	2	0.76	2,367	899.50	-	-	-	-
Surigao City	69	61.11	1,248	1,105.21	-	-	-	-

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	LEPROSY (A30)		DIPHTHERIA (A36)		WHOOPIING COUGH (A37)		TETANUS (A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	40	0.66	2	0.03	53	0.87	61	1.00
Aklan	-	-	-	-	3	0.69	8	1.85
Antique	12	2.64	-	-	8	1.76	8	1.76
Capiz	8	1.51	-	-	9	1.70	-	-
Guimaras	-	-	-	-	4	3.00	-	-
Iloilo	-	-	-	-	-	-	4	0.27
Negros Occidental	4	0.28	-	-	28	1.95	6	0.42
Bacolod City	-	-	-	-	1	0.23	1	0.23
Bago City	-	-	-	-	-	-	-	-
Cadiz City	-	-	-	-	-	-	3	2.35
Iloilo City	-	-	2	0.56	-	-	27	7.58
La Carlota City	-	-	-	-	-	-	-	-
Roxas City	-	-	-	-	-	-	1	0.77
Sagay City	6	4.47	-	-	-	-	2	1.49
San Carlos City	10	9.59	-	-	-	-	1	0.96
Silay City	-	-	-	-	-	-	-	-
Region 7	108	2.03	-	-	141	2.65	10	0.19
Bohol	10	1.03	-	-	58	5.95	-	-
Cebu	30	1.67	-	-	75	4.18	2	0.11
Negros Oriental	15	1.72	-	-	8	0.92	-	-
Siquijor	11	14.11	-	-	-	-	2	2.57
Bais City	-	-	-	-	-	-	-	-
Canlaon City	-	-	-	-	-	-	-	-
Cebu City	21	2.98	-	-	-	-	-	-
Danao City	11	12.89	-	-	-	-	-	-
Dumaguete City	-	-	-	-	-	-	-	-
Lapu-Lapu City	1	0.52	-	-	-	-	-	-
Mandawe City	-	-	-	-	-	-	6	2.91
Tagbilaran City	2	2.66	-	-	-	-	-	-
Toledo City	7	5.31	-	-	-	-	-	-
Region 8	175	4.87	-	-	113	3.15	26	0.72
Biliran	34	24.07	-	-	1	0.71	-	-
Leyte Del Norte	51	4.00	-	-	39	3.06	10	0.78
Leyte Del Sur	25	7.38	-	-	-	-	-	-
Eastern Samar	-	-	-	-	-	-	-	-
Northern Samar	-	-	-	-	-	-	-	-
Western Samar	35	7.17	-	-	71	14.54	1	0.20
Calbayog City	6	4.34	-	-	-	-	5	3.62
Ormoc City	-	-	-	-	2	1.28	4	2.56
Tacloban City	24	12.74	-	-	-	-	6	3.18

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	LEPROSY (A30)		DIPHTHERIA (A36)		WHOOPING COUGH (A37)		TETANUS (A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	203	6.75	3	0.10	76	2.53	38	1.26
Basilan	11	3.52	-	-	11	3.52	2	0.64
Zamboanga Del Norte	89	13.45	-	-	-	-	-	-
Zamboanga Del Sur	28	2.41	-	-	37	3.18	2	0.17
Dapitan City	1	1.50	-	-	5	7.50	-	-
Dipolog City	4	4.06	2	2.03	21	21.30	1	1.01
Pagadian City	14	10.11	1	0.72	2	1.44	5	3.61
Zamboanga City	56	9.91	-	-	-	-	28	4.96
Region 10	57	2.15	2	0.08	-	-	12	0.45
Bukidnon	14	1.37	1	0.10	-	-	5	0.49
Camiguin	-	-	1	1.41	-	-	-	-
Misamis Occidental	1	0.38	-	-	-	-	-	-
Misamis Oriental	32	6.14	-	-	-	-	-	-
Cagayan de Oro	-	-	-	-	-	-	-	-
Gingoog City	10	11.23	-	-	-	-	-	-
Oroquieta City	-	-	-	-	-	-	7	11.97
Ozamis City	-	-	-	-	-	-	-	-
Tangub City	-	-	-	-	-	-	-	-
Region 11	238	4.78	1	0.02	-	-	-	-
Cotabato South	24	3.58	-	-	-	-	-	-
Davao Oriental	6	1.38	-	-	-	-	-	-
Davao Del Norte	41	3.17	-	-	-	-	-	-
Davao Del Sur	26	3.69	1	0.14	-	-	-	-
Saranggani	41	10.17	-	-	-	-	-	-
Davao City	56	5.13	-	-	-	-	-	-
Gen. Santos City	44	11.67	-	-	-	-	-	-
Region 12	106	4.18	23	0.91	72	2.84	20	0.79
Lanao Del Norte	8	1.71	-	-	27	5.76	2	0.43
North Cotabato	11	1.19	-	-	3	0.32	1	0.11
Sultan Kudarat	21	3.73	-	-	-	-	4	0.71
Cotabato City	-	-	1	0.64	1	0.64	11	7.01
Iligan City	65	21.74	-	-	-	-	-	-
Marawi City	1	0.83	22	18.20	41	33.91	2	1.65

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	LEPROSY (A30)		DIPHTHERIA (A36)		WHOOPING COUGH (A37)		TETANUS (A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	117	5.53	-	-	22	1.04	4	0.19
Lanao Del Sur	-	-	-	-	-	-	-	-
Maguindanao	52	7.35	-	-	11	1.55	2	0.28
Sulu	45	8.29	-	-	6	1.11	-	-
Tawi-Tawi	20	7.70	-	-	5	1.93	2	0.77
Caraga	56	2.69	1	0.05	1	0.05	1	0.05
Agusan Del Norte	8	2.84	-	-	1	0.35	1	0.35
Agusan Del Sur	13	2.26	-	-	-	-	-	-
Surigao Del Norte	34	9.64	-	-	-	-	-	-
Surigao Del Sur	1	0.20	-	-	-	-	-	-
Butuan City	-	-	1	0.38	-	-	-	-
Surigao City	-	-	-	-	-	-	-	-

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	POLIOMYELITIS (A80)		CHICKENPOX (B01)		MEASLES (B05)		DENGUE (A90-A91)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	13	0.02	32,613	44.59	23,591	32.25	44,532	60.88
NCR	-	-	2,682	25.60	2,439	23.30	5,583	53.30
1st District Mun.	-	-	242	21.00	290	25.20	224	19.40
Manila	-	-	520	30.80	900	53.40	1,446	85.80
2nd District Mun.	-	-	493	34.50	443	31.00	379	26.50
Quezon City	-	-	494	22.50	530	24.10	2,454	111.80
3rd District Mun.	-	-	284	30.30	39	4.20	82	8.70
Caloocan City	-	-	176	14.60	83	6.90	261	21.60
4th District Mun.	-	-	410	28.60	120	8.40	380	26.50
Pasay City	-	-	63	14.50	34	7.90	357	82.40
C.A.R.	1	0.07	1,749	130.34	691	51.50	1,741	129.75
Abra	-	-	126	61.75	89	43.62	10	4.90
Apayao	-	-	136	152.47	55	61.66	1	1.12
Benguet	-	-	512	155.45	270	81.97	507	153.93
Ifugao	1	0.63	296	185.25	92	57.58	257	160.84
Kalinga	-	-	268	163.55	21	12.82	82	50.04
Mt. Province	-	-	343	249.29	106	77.04	687	499.31
Baguio City	-	-	68	26.36	58	22.48	197	76.35
Region 1	-	-	1,160	28.97	701	17.50	1,937	48.37
Ilocos Norte	-	-	149	36.34	56	13.66	21	5.12
Ilocos Sur	-	-	192	33.90	223	39.38	209	36.90
La Union	-	-	195	30.90	80	12.68	42	6.66
Pangasinan	-	-	498	24.52	305	15.01	1,265	62.28
Dagupan City	-	-	29	21.99	10	7.58	315	238.80
Laoag City	-	-	41	44.37	11	11.90	29	31.38
San Carlos City	-	-	56	39.53	16	11.30	56	39.53
Region 2	-	-	1,754	64.99	646	23.94	940	34.83
Batanes	-	-	11	74.89	-	-	-	-
Cagayan	-	-	382	40.49	162	17.17	533	56.50
Isabela	-	-	881	77.67	265	23.36	117	10.31
Nueva Vizcaya	-	-	349	97.59	156	43.62	-	-
Quirino	-	-	99	69.50	53	37.21	286	200.79
Santiago City	-	-	32	30.07	10	9.40	4	3.76

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	CHOLERA (A00)		AIDS (B24)		HYPERTENSION (I10)		TETANUS NEONATORUM (A33)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	16	0.76	-	-	10,708	506.19	4	0.19
Lanao Del Sur	-	-	-	-	1,125	185.68	-	-
Maguindanao	16	2.26	-	-	3,138	443.60	2	0.28
Sulu	-	-	-	-	742	136.77	-	-
Tawi-Tawi	-	-	-	-	-	-	2	0.77
Caraga	1	0.05	-	-	5,703	273.57	8	0.38
Agusan Del Norte	-	-	-	-	414	146.83	2	0.71
Agusan Del Sur	-	-	-	-	931	161.72	4	0.69
Surigao Del Norte	-	-	-	-	499	141.42	1	0.28
Surigao Del Sur	-	-	-	-	3,049	612.12	-	-
Butuan City	1	0.38	-	-	237	90.06	1	0.38
Surigao City	-	-	-	-	573	507.44	-	-

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	VIRAL HEPATITIS (B15-B19)		MALARIA (B50-B54)		SYPHILIS (A50-A53)		GONORRHEA (A54)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	5,664	7.74	70,859	96.87	105	0.14	2,740	3.75
NCR	1,049	10.00	29	0.30	-	-	357	3.40
1st District Mun.	188	16.30	4	0.30	-	-	2	-
Manila	130	7.70	4	0.20	-	-	-	-
2nd District Mun.	6	0.40	-	-	-	-	4	0.30
Quezon City	344	15.70	20	0.90	-	-	7	0.30
3rd District Mun.	68	7.20	1	0.10	-	-	319	34.00
Caloocan City	79	6.50	-	-	-	-	1	0.10
4th District Mun.	199	13.90	-	-	-	-	16	1.10
Pasay City	35	8.10	-	-	-	-	8	1.80
C.A.R.	266	19.82	15,564	1,159.89	15	1.12	121	9.02
Abra	11	5.39	196	96.06	-	-	-	-
Apayao	12	13.45	8,477	9,503.68	-	-	-	-
Benguet	116	35.22	-	-	-	-	-	-
Ifugao	31	19.40	309	193.39	-	-	1	0.63
Kalinga	23	14.04	6,051	3,692.58	-	-	-	-
Mt. Province	22	15.99	531	385.93	-	-	-	-
Baguio City	51	19.77	-	-	15	5.81	120	46.51
Region 1	196	4.89	20	0.50	17	0.42	84	2.10
Ilocos Norte	30	7.32	12	2.93	-	-	-	-
Ilocos Sur	32	5.65	-	-	-	-	-	-
La Union	46	7.29	-	-	-	-	-	-
Pangasinan	81	3.99	8	0.39	16	0.79	56	2.76
Dagupan City	6	4.55	-	-	1	0.76	28	21.23
Laoag City	-	-	-	-	-	-	-	-
San Carlos City	1	0.71	-	-	-	-	-	-
Region 2	278	10.30	4,816	178.44	-	-	47	1.74
Batanes	-	-	-	-	-	-	-	-
Cagayan	104	11.02	3,349	354.98	-	-	46	4.88
Isabela	73	6.44	1,099	96.89	-	-	1	0.09
Nueva Vizcaya	72	20.13	-	-	-	-	-	-
Quirino	19	13.34	368	258.36	-	-	-	-
Santiago City	10	9.40	-	-	-	-	-	-

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	BRONCHITIS (J40)		PNEUMONIAS (J12-J18)		INFLUENZA (J10-J11)		TB RESPIRATORY (A15)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	62,505	846.8	29,383	398.1	26,454	358.4	10,827	146.7
Bataan	11,396	2,169.7	5,742	1,093.2	3,225	614.0	1,156	220.1
Bulacan	24,343	1,267.6	8,020	417.6	4,900	255.1	3,300	171.8
Nueva Ecija	6,893	554.9	1,784	143.6	585	47.1	475	38.2
Pampanga	3,745	250.0	3,412	227.7	4,646	310.1	1,707	113.9
Tarlac	9,628	963.4	3,629	363.1	7,933	793.8	751	75.1
Zambales	3,884	935.0	2,256	543.1	662	159.4	922	222.0
Angeles City	2,045	819.1	3,299	1,321.3	3,153	1,262.8	1,942	777.8
Cabanatuan City	337	157.2	686	320.0	58	27.1	288	134.4
Olangapo City	118	64.7	436	238.9	215	117.8	225	123.3
Palayan City	*		*		*		*	
San Jose City	116	112.1	119	115.0	1,077	1,040.7	61	58.9
Region 4	56,075	521.3	48,807	453.8	48,144	447.6	12,982	120.7
Aurora	1,349	780.5	853	493.5	979	566.4	167	96.6
Batangas	4,186	316.6	6,272	474.4	5,213	394.3	1,119	84.6
Cavite	5,046	313.6	7,669	476.7	5,363	333.3	1,918	119.2
Laguna	5,724	361.8	4,783	302.3	5,626	355.6	1,734	109.6
Marinduque	1,002	487.4	833	405.2	1,141	555.0	346	168.3
Mindoro Occidental	1,304	361.6	643	178.3	1,433	397.4	161	44.6
Mindoro Oriental	3,991	616.5	5,677	876.9	3,772	582.7	1,464	226.1
Palawan	4,874	884.3	2,517	456.6	6,420	1,164.7	1,098	199.2
Quezon	2,355	163.7	4,435	308.3	2,970	206.5	798	55.5
Rizal	13,515	885.0	7,174	469.8	5,595	366.4	1,575	103.1
Romblon	4,882	1,920.6	2,511	987.8	3,549	1,396.2	942	370.6
Batangas City	793	355.5	243	108.9	2,095	939.2	75	33.6
Cavite City	1,749	1,918.2	108	118.4	52	57.0	192	210.6
Lipa City	233	124.6	477	255.0	1,537	821.6	142	75.9
Lucena City	1,247	644.9	3,422	1,769.6	840	434.4	386	199.6
Puerto Princessa City	1,364	941.9	626	432.3	1,033	713.3	619	427.4
San Pablo City	2,304	1,189.6	504	260.2	264	136.3	130	67.1
Tagaytay City	157	507.1	46	148.6	245	791.3	6	19.4
Trece Martires City	-	-	14	64.6	17	78.4	110	507.6
Region 5	36,322	793.6	45,938	1,003.7	39,308	858.9	7,929	173.2
Albay	4,734	519.3	10,669	1,170.4	6,195	679.6	1,645	180.5
Camarines Norte	8,374	1,764.5	5,583	1,176.4	3,954	833.2	2,466	519.6
Camarines Sur	11,634	887.4	7,799	594.9	13,370	1,019.8	-	-
Catanduanes	1,229	572.9	441	205.6	635	296.0	269	125.4
Masbate	6,603	976.6	13,372	1,977.7	3,392	501.7	2,179	322.3
Sorsogon	3,401	552.8	4,264	693.1	8,587	1,395.8	627	101.9
Iriga City	268	322.5	85	102.3	1,896	2,281.6	186	223.8
Legaspi City	64	41.6	1,628	1,058.6	22	14.3	352	228.9
Naga City	15	11.0	2,097	1,532.5	1,257	918.6	205	149.8

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
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PHILIPPINES, 1998**

AREA	BRONCHITIS (J40)		PNEUMONIAS (J12-J18)		INFLUENZA (J10-J11)		TB RESPIRATORY (A15)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	57,305	939.5	67,320	1,103.6	41,508	680.5	14,441	236.7
Aklan	4,019	929.6	4,866	1,125.5	1,680	388.6	1,148	265.5
Antique	6,539	1,437.0	11,692	2,569.4	3,237	711.3	1,969	432.7
Capiz	3,393	641.9	7,356	1,391.5	2,246	424.9	696	131.7
Guimaras	1,098	823.0	2,486	1,863.3	319	239.1	933	699.3
Iloilo	9,792	656.7	12,639	847.6	10,471	702.2	3,025	202.9
Negros Occidental	7,012	488.0	15,777	1,097.9	14,574	1,014.2	2,288	159.2
Bacolod City	6,577	1,508.9	1,348	309.3	2,681	615.1	820	188.1
Bago City	764	536.6	536	376.5	669	469.9	356	250.0
Cadiz City	983	769.6	1,789	1,400.6	29	22.7	728	569.9
Iloilo City	1,224	343.7	3,299	926.2	1,541	432.7	588	165.1
La Carlota City	2,182	3,745.6	1,333	2,288.2	36	61.8	470	806.8
Roxas City	3,664	2,832.6	2,788	2,155.4	81	62.6	97	75.0
Sagay City	982	731.7	468	348.7	506	377.0	161	120.0
San Carlos City	4,627	4,439.3	579	555.5	318	305.1	543	521.0
Silay City	4,449	3,320.8	364	271.7	3,120	2,328.8	619	462.0
Region 7	38,407	721.2	69,361	1,302.4	34,867	654.7	4,304	80.8
Bohol	13,718	1,407.3	13,815	1,417.2	12,539	1,286.3	1,486	152.4
Cebu	5,939	331.2	22,513	1,255.4	3,155	175.9	779	43.4
Negros Oriental	6,745	773.0	17,631	2,020.6	16,767	1,921.6	272	31.2
Siquijor	454	582.5	757	971.3	347	445.2	344	441.4
Bais City	1,970	2,992.2	332	504.3	-	-	15	22.8
Canlaon City	582	1,327.1	127	289.6	1,362	3,105.6	-	-
Cebu City	6,895	978.3	4,490	637.1	212	30.1	752	106.7
Danao City	-	-	148	173.4	47	55.1	77	90.2
Dumaguete City	1,097	1,095.0	881	879.4	275	274.5	57	56.9
Lapu-Lapu City	166	85.6	1,874	966.3	-	-	261	134.6
Mandawe City	216	104.8	4,891	2,372.7	108	52.4	82	39.8
Tagbilaran City	-	-	123	163.7	16	21.3	179	238.3
Toledo City	625	473.9	1,779	1,348.8	39	29.6	-	-
Region 8	29,494	821.5	39,294	1,094.4	18,010	501.6	2,975	82.9
Biliran	2,682	1,898.5	2,312	1,636.6	949	671.8	254	179.8
Leyte Del Norte	12,796	1,003.9	20,403	1,600.7	4,243	332.9	891	69.9
Leyte Del Sur	6,239	1,841.5	2,428	716.7	4,280	1,263.3	488	144.0
Eastern Samar	5,496	1,436.4	4,593	1,200.4	3,767	984.5	529	138.3
Northern Samar	*	*	*	*	*	*	*	*
Western Samar	1,568	321.2	6,573	1,346.3	4,679	958.3	274	56.1
Calbayog City	97	70.2	1,372	993.4	22	15.9	138	99.9
Ormoc City	428	273.9	436	279.0	47	30.1	243	155.5
Tacloban City	188	99.8	1,177	624.7	23	12.2	158	83.9

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
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PHILIPPINES, 1998**

AREA	BRONCHITIS (J40)		PNEUMONIAS (J12-J18)		INFLUENZA (J10-J11)		TB RESPIRATORY (A15)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	35,284	1,174.1	23,182	771.4	71,233	2,370.3	4,918	163.6
Basilan	1,493	478.3	1,714	549.1	1,926	617.0	351	112.4
Zamboanga Del Norte	15,407	2,328.7	3,475	525.2	23,027	3,480.4	236	35.7
Zamboanga Del Sur	12,285	1,056.7	12,546	1,079.1	39,017	3,355.9	2,145	184.5
Dapitan City	1,636	2,453.7	104	156.0	1,405	2,107.2	45	67.5
Dipolog City	190	192.7	442	448.3	1,917	1,944.5	83	84.2
Pagadian City	801	578.2	1,285	927.6	597	431.0	383	276.5
Zamboanga City	3,472	614.4	3,616	639.9	3,344	591.8	1,675	296.4
Region 10	40,158	1,513.1	43,710	1,646.9	20,803	783.8	4,075	153.5
Bukidnon	12,520	1,223.2	10,644	1,039.9	9,988	975.8	1,164	113.7
Camiguin	3,543	5,001.6	2,995	4,228.0	934	1,318.5	41	57.9
Misamis Occidental	-	-	6,035	2,286.2	2,246	850.9	382	144.7
Misamis Oriental	9,580	1,838.9	8,455	1,623.0	3,652	701.0	950	182.4
Cagayan de Oro	9,038	1,916.4	7,450	1,579.7	643	136.3	590	125.1
Gingoog City	1,380	1,549.3	885	993.6	995	1,117.1	352	395.2
Oroquieta City	3,446	5,893.7	173	295.9	2,064	3,530.1	482	824.4
Ozamis City	573	530.6	7,021	6,501.2	242	224.1	114	105.6
Tangub City	78	164.2	52	109.5	39	82.1	-	-
Region 11	29,460	592.0	38,852	780.8	37,874	761.1	-	-
Cotabato South	3,172	473.0	5,861	873.9	3,406	507.9	-	-
Davao Oriental	1,551	356.1	3,820	877.1	6,997	1,606.6	-	-
Davao Del Norte	3,760	290.7	5,263	406.9	3,862	298.6	-	-
Davao Del Sur	1,995	283.2	1,274	180.9	6,100	866.0	-	-
Sarangani	1,183	293.5	5,831	1,446.8	3,158	783.6	-	-
Davao City	11,386	1,042.7	12,873	1,178.9	11,653	1,067.2	-	-
Gen. Santos City	6,413	1,700.3	3,930	1,042.0	2,698	715.3	-	-
Region 12	25,982	1,024.5	19,770	779.6	30,995	1,222.2	5,299	209.0
Lanao Del Norte	3,581	763.7	2,159	460.5	7,194	1,534.3	718	153.1
North Cotabato	10,158	1,095.6	8,180	882.2	5,223	563.3	1,454	156.8
Sultan Kudarat	11,385	2,021.8	7,299	1,296.2	18,430	3,272.8	1,934	343.4
Cotabato City	167	106.5	1,134	723.0	10	6.4	225	143.4
Iligan City	580	194.0	-	-	-	-	401	134.1
Marawi City	111	91.8	998	825.4	138	114.1	567	469.0

Table 16

**NOTIFIABLE DISEASES: REPORTED CASES
BY HEALTH REGION, PROVINCE & CITY
PHILIPPINES, 1998**

AREA	BRONCHITIS (J40)		PNEUMONIAS (J12-J18)		INFLUENZA (J10-J11)		TB RESPIRATORY (A15)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	9,805	463.5	19,776	934.9	48,167	2,277.0	15,385	727.3
Lanao Del Sur	2,182	360.1	4,249	701.3	5,433	896.7	1,056	174.3
Maguindanao	2,972	420.1	9,865	1,394.5	24,961	3,528.6	11,626	1,643.5
Sulu	2,617	482.4	3,868	713.0	10,516	1,938.4	2,421	446.3
Tawi-Tawi	2,034	783.4	1,794	691.0	7,257	2,795.2	282	108.6
Caraga	27,789	1,333.0	22,964	1,101.6	22,450	1,076.9	2,494	119.6
Agusan Del Norte	2,867	1,016.8	2,058	729.9	382	135.5	228	80.9
Agusan Del Sur	3,909	679.0	5,842	1,014.8	2,486	431.8	392	68.1
Surigao Del Norte	2,458	696.6	1,567	444.1	10,654	3,019.5	399	113.1
Surigao Del Sur	17,298	3,472.8	9,423	1,891.8	3,170	636.4	956	191.9
Butuan City	893	339.4	2,236	849.7	5,239	1,990.9	323	122.7
Surigao City	364	322.4	1,838	1,627.7	519	459.6	196	173.6

Table 17

Notifiable Diseases: Reported Cases & Deaths
No. & Rate/100,000 Population
Philippines
1978-1998

Year	Typhoid and Paratyphoid Fever A01			
	Cases		Deaths	
	Number	Rate	Number	Rate
1998	15,507	21.2	1,120	1.5
1997	12,724	17.8	887	1.2
1996	12,817	18.9	1,052	1.6
1995	21,011	33.0	1,023	1.5
1994	20,946	30.5	1,207	1.8
1993	19,609	28.6	1,120	1.6
1992	16,497	24.6	962	1.4
1991	13,844	21.2	1,076	1.6
1990	15,720	24.7	1,045	1.6
1989	17,794	28.7	1,233	2.0
1988	15,830	26.3	1,356	2.3
1987	15,290	26.0	1,121	1.9
1986	13,764	24.0	1,024	1.8
1985	15,706	28.0	1,071	1.9
1984	10,073	18.4	831	1.5
1983	5,420	10.2	697	1.3
1982	5,282	10.3	596	1.2
1981	4,300	8.4	676	1.3
1980	3,222	6.5	629	1.3
1979	3,525	7.3	656	1.4
1978	3,542	7.6	792	1.7

Table 17

Notifiable Diseases: Reported Cases & Deaths
No. & Rate/100,000 Population
Philippines
1978-1998

Year	Diarrheas A09				Tuberculosis, All Forms A10-A18; B90			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	931,655	1273.7	4,606	6.3	151,650	207.3	28,041	38.3
1997	899,409	1257.0	3,493	4.9	240,509	336.1	26,151	36.5
1996	997,914	1475.3	4,979	7.1	165,453	244.6	27,368	39.1
1995	860,005	1351.5	4,059	5.9	119,186	187.3	26,691	38.9
1994	1,376,669	2006.3	6,402	9.3	167,763	244.5	26,673	38.9
1993	1,337,449	1948.9	4,510	6.6	159,049	231.8	24,580	35.8
1992	1,045,615	1561.0	4,799	7.2	136,981	204.5	20,132	30.1
1991	984,713	1507.1	4,552	7.0	123,281	188.7	22,814	34.9
1990	927,860	1458.4	6,396	10.1	152,688	240.0	24,307	38.2
1989	741,733	1195.4	6,893	11.1	206,508	332.8	26,300	42.4
1988	624,355	1038.9	9,155	15.2	183,113	304.7	27,020	45.0
1987	591,858	1007.9	9,468	16.1	163,740	278.8	28,697	48.9
1986	538,849	939.5	9,815	17.1	153,129	267.0	30,604	53.4
1985	522,762	933.4	11,516	20.6	151,028	269.7	31,650	56.5
1984	551,560	1008.9	11,553	21.1	151,867	277.8	27,320	50.0
1983	275,068	517.1	15,090	28.4	106,300	199.8	28,580	53.7
1982	221,191	430.3	12,735	24.8	104,715	203.7	28,309	55.1
1981	239,117	465.6	16,196	31.5	116,182	226.2	27,317	53.2
1980	199,574	402.9	13,492	27.2	112,307	226.7	28,790	58.1
1979	217,155	449.4	16,683	34.5	108,813	225.2	28,221	58.4
1978	210,608	452.1	15,717	33.7	118,587	254.6	28,398	61.0

Year	Leprosy A30				Diphtheria A36			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	1,739	2.4	38	0.1	48	0.1	22	0.0
1997	1,654	2.3	56	0.1	53	0.1	30	0.0
1996	1,788	2.6	69	0.1	108	0.2	29	0.0
1995	2,730	4.3	68	0.1	935	1.5	40	0.1
1994	2,663	3.9	88	0.1	1,053	1.5	51	0.1
1993	2,430	3.5	99	0.1	867	1.3	56	0.1
1992	1,887	2.8	50	0.1	680	1.0	62	0.1
1991	2,028	3.1	68	0.1	1,028	1.6	62	0.1
1990	2,827	4.4	65	0.1	921	1.4	115	0.2
1989	4,228	6.8	95	0.2	1,297	2.1	117	0.2
1988	1,661	2.8	86	0.1	1,202	2.0	186	0.3
1987	1,766	3.0	63	0.1	1,443	2.5	245	0.4
1986	1,815	3.2	81	0.1	1,630	2.8	261	0.5
1985	2,090	3.4	124	0.2	1,669	3.0	316	0.6
1984	1,798	3.3	68	0.1	1,968	3.6	337	0.6
1983	1,153	2.2	89	0.2	1,812	3.4	491	0.9
1982	997	1.9	107	0.2	2,140	4.2	524	1.0
1981	958	1.9	123	0.2	819	1.6	504	1.0
1980	886	1.8	137	0.3	1,910	3.9	414	0.8
1979	690	1.4	131	0.3	1,044	2.2	546	1.1
1978	489	1.0	137	0.3	1,389	3.0	455	1.0

Table 17

Notifiable Diseases: Reported Cases & Deaths
No. & Rate/100,000 Population
Philippines
1978-1998

Year	Whooping Cough A37				Tetanus A35			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	673	0.9	6	0.0	391	0.5	751	1.0
1997	1,004	1.4	6	0.01	677	0.9	684	1.0
1996	2,554	3.8	9	0.01	1,011	1.5	758	1.1
1995	4,324	6.8	12	0.02	3,054	4.8	803	1.2
1994	5,900	8.6	9	0.01	2,915	4.2	810	1.2
1993	5,628	8.2	4	0.01	2,778	4.0	1,008	1.5
1992	3,792	5.7	8	0.01	2,216	3.3	892	1.3
1991	4,829	7.4	9	0.01	2,312	3.5	1,022	1.6
1990	4,135	6.5	9	0.01	2,286	3.6	989	1.6
1989	9,466	15.3	12	0.02	3,102	5.0	1,040	1.7
1988	7,814	13.0	14	0.02	3,199	5.3	1,069	1.8
1987	8,856	15.1	26	0.04	2,910	5.0	1,026	1.7
1986	16,139	28.1	31	0.10	3,381	5.9	1,034	1.8
1985	19,628	35.0	45	0.10	3,474	6.2	1,033	1.8
1984	21,479	39.3	51	0.10	3,353	6.1	924	1.7
1983	17,380	32.7	68	0.10	2,912	5.5	941	1.8
1982	15,879	30.9	80	0.20	2,441	4.7	967	1.9
1981	19,178	37.3	57	0.10	2,242	4.4	913	1.8
1980	19,844	40.1	98	0.20	3,080	6.2	1,004	2.0
1979	21,254	44.0	157	0.30	2,905	6.0	1,226	2.5
1978	15,243	32.7	80	0.20	4,236	9.1	3,471	7.5

Year	Poliomyelitis A80				Varicella B01			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	13	0.0	46	0.1	32,613	44.6	38	0.1
1997	8	0.0	40	0.1	64,065	89.5	59	0.08
1996	8	0.0	43	0.1	34,344	50.8	78	0.10
1995	104	0.2	18	0.0	51,006	80.2	103	0.20
1994	408	0.6	38	0.1	76,526	111.5	71	0.10
1993	600	0.9	34	0.0	71,317	103.9	31	0.05
1992	444	0.7	22	0.0	62,327	93.1	29	0.04
1991	362	0.6	14	0.0	42,909	65.7	12	0.02
1990	98	0.2	23	0.0	33,177	52.1	20	0.03
1989	335	0.5	32	0.1	16,931	27.3	23	0.04
1988	344	0.6	40	0.1	6,767	11.3	12	0.02
1987	327	0.6	43	0.1	6,336	10.8	15	0.03
1986	375	0.7	45	0.1	3,121	5.4	4	0.01
1985	557	1.0	61	0.1	3,844	6.9	10	0.02
1984	428	0.8	66	0.1	3,409	6.2	11	0.02
1983	355	0.7	94	0.2	1,850	3.5	15	0.03
1982	440	0.9	101	0.2	1,506	2.9	22	0.04
1981	292	0.6	118	0.2	1,176	2.3	20	0.04
1980	432	0.9	201	0.4	1,112	2.2	23	0.05
1979	1,054	2.2	353	0.7	1,028	2.1	34	0.1
1978	835	1.8	185	0.4	1,261	2.7	38	0.1

Table 17

Notifiable Diseases: Reported Cases & Deaths
No. & Rate/100,000 Population
Philippines
1978-1998

Year	Measles B05				Dengue H-Fever A90-A99			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	23,591	32.3	697	1.0	44,532	60.9	1,904	2.6
1997	37,857	52.9	1,449	2.0	13,290	18.6	955	1.3
1996	35,390	52.3	1,376	2.0	15,571	23.0	1,376	2.0
1995	23,392	36.8	1,121	1.6	12,872	20.2	566	0.8
1994	59,041	86.0	1,024	1.5	23,327	34.0	464	0.7
1993	85,345	124.4	2,989	4.4	21,146	30.8	531	0.8
1992	54,570	81.5	3,193	4.8	9,108	13.6	441	0.7
1991	35,582	54.5	2,228	3.4	11,317	17.3	401	0.6
1990	42,938	67.5	3,499	5.5	4,836	7.6	363	0.6
1989	68,496	110.4	6,734	10.9	2,240	3.6	199	0.3
1988	70,801	117.8	7,775	12.9	2,821	4.7	300	0.5
1987	81,896	139.5	12,431	21.2	1,696	2.9	243	0.4
1986	59,375	103.5	6,249	10.9	1,623	2.8	191	0.3
1985	62,959	112.4	8,043	14.4	2,096	3.7	210	0.4
1984	75,290	137.7	7,987	14.6	2,514	4.6	103	0.2
1983	43,684	82.1	9,286	17.5	1,684	3.2	305	0.6
1982	35,989	70.0	7,136	13.9	816	1.6	192	0.4
1981	27,031	52.6	6,951	13.5	324	0.6	112	0.2
1980	26,765	54.0	5,191	10.5	627	1.3	103	0.2
1979	29,230	60.5	5,607	11.6	438	0.9	18	0
1978	27,842	59.8	5,605	12.0	358	0.8	213	0.5

Year	Infectious Hepatitis B15-B19				Malaria B50-B54			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	5,664	7.7	966	1.3	70,859	96.9	561	0.8
1997	5,356	7.5	1,072	1.5	69,248	96.8	514	0.7
1996	6,686	9.9	1,084	1.5	68,056	100.6	536	0.8
1995	10,089	15.9	1,152	1.7	56,285	88.5	643	0.9
1994	16,943	24.7	1,067	1.6	58,615	85.4	784	1.1
1993	22,643	33.0	1,034	1.5	49,506	72.1	811	1.2
1992	14,269	21.3	826	1.2	46,614	69.6	864	1.3
1991	12,972	19.9	401	0.6	48,761	74.6	924	1.4
1990	14,709	23.1	936	1.5	73,625	115.7	913	1.4
1989	14,761	23.8	850	1.4	125,114	201.6	989	1.6
1988	16,125	26.8	825	1.4	114,679	190.8	1,176	2.0
1987	16,084	27.4	817	1.4	121,097	206.2	1,226	2.1
1986	14,523	25.3	728	1.3	124,153	216.5	1,156	2.0
1985	16,022	28.6	607	1.1	121,975	217.8	1,166	2.1
1984	15,320	28.0	625	1.1	107,485	196.6	923	1.7
1983	9,549	18.0	653	1.2	55,019	103.4	1,086	2.0
1982	8,615	16.8	739	1.4	40,496	78.8	985	1.9
1981	9,943	19.4	660	1.3	44,118	85.9	1,071	2.1
1980	9,578	19.3	828	1.7	39,678	80.1	1,091	2.2
1979	8,850	18.3	750	1.6	31,779	65.8	1,142	2.4
1978	7,172	15.4	813	1.7	35,353	75.9	1,077	2.3

Table 17

Notifiable Diseases: Reported Cases & Deaths
No. & Rate/100,000 Population
Philippines
1978-1998

Year	Syphilis A56-A64				Gonococcal Infection A54			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	105	0.1	19	0.0	2,740	3.7	0	0.0
1997	210	0.3	19	0.03	2,001	2.8	3	0.004
1996	271	0.4	10	0.01	2,443	3.6	1	0.001
1995	181	0.3	13	0.02	2,200	3.5	1	0.001
1994	232	0.3	4	0.01	2,657	3.9	2	0.003
1993	136	0.2	6	0.01	2,158	3.1	0	0.000
1992	60	0.1	8	0.01	198	0.3	0	0.000
1991	232	0.4	2	0.00	4,112	6.3	2	0.003
1990	151	0.2	3	0.00	6,374	10.0	0	0.000
1989	99	0.2	9	0.01	8,635	13.9	0	0.000
1988	99	0.2	9	0.01	8,342	13.9	0	0.000
1987	62	0.1	9	0.02	11,361	19.3	0	0.000
1986	69	0.1	8	0.01	11,731	20.5	0	0.000
1985	91	0.2	9	0.02	15,329	27.4	0	0.000
1984	201	0.4	42	0.10	13,806	25.3	0	0.000
1983	102	0.2	16	0.03	13,359	25.1	5	0.010
1982	114	0.2	11	0.02	13,970	27.2	2	0.004
1981	59	0.1	4	0.01	6,432	13.0	0	0.000
1980	83	0.2	9	0.02	6,786	13.7	0	0.000
1979	94	0.2	26	0.10	9,288	19.2	0	0.000
1978	60	0.1	16	0.03	8,423	18.1	0	0.000

Year	Schistosomiasis B56				Filariasis B72,B74			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	10,986	15.0	191	0.3	391	0.5	7	0.0
1997	12,524	17.5	238	0.3	1,025	1.4	3	0.0
1996	9,069	13.4	267	0.4	401	0.6	6	0.0
1995	8,795	13.8	231	0.3	636	1.0	4	0.0
1994	12,689	18.5	275	0.4	1,450	2.1	2	0.0
1993	12,393	18.1	258	0.4	1,546	2.3	3	0.0
1992	9,194	13.7	235	0.4	1,423	2.1	2	0.0
1991	26,702	40.9	249	0.4	1,026	1.6	2	0.0
1990	14,781	23.2	272	0.4	286	0.4	1	0.0
1989	25,699	41.4	273	0.4	188	0.3	1	0.0
1988	12,273	20.4	301	0.5	290	0.5	0	0.0
1987	13,892	23.7	288	0.5	351	0.6	0	0.0
1986	11,074	19.3	281	0.5	300	0.5	1	0.0
1985	9,764	17.4	416	0.7	259	0.5	2	0.0
1984	4,388	8.0	416	0.8	493	0.9	2	0.0
1983	3,454	6.5	452	0.8	74	0.1	5	0.0
1982	3,801	7.4	426	0.8	77	0.1	4	0.0
1981	3,009	6.1	398	0.8	28	0.1	4	0.0
1980	2,686	5.6	426	0.9	30	0.1	4	0.0
1979	2,923	6.3	452	1.0	6	0.0	3	0.0
1978	4,216	9.3	496	1.1	6	0.0	4	0.0

Table 17

Notifiable Diseases: Reported Cases & Deaths
No. & Rate/100,000 Population
Philippines
1978-1998

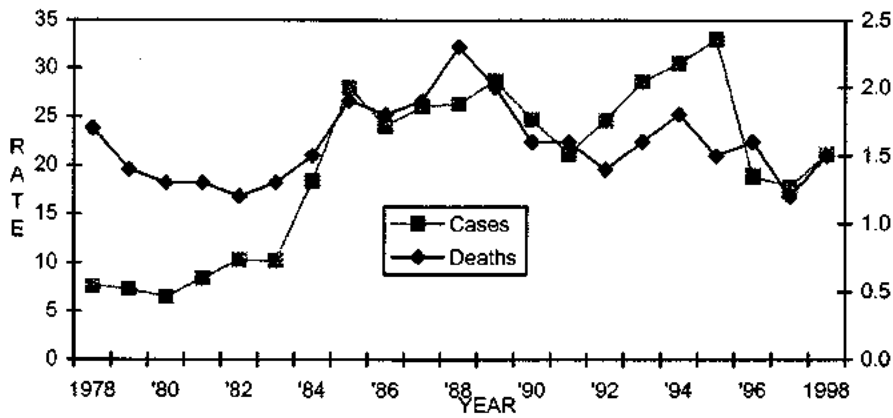
Year	Malignant Neoplasm C00-C91				Bronchitis J20-J21			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	6,595	9.0	31,606	43.2	635,089	868.2	244	0.3
1997	4,723	6.6	29,677	41.5	637,905	891.6	732	1.0
1996	2,715	4.0	30,077	44.5	602,708	891.0	218	0.3
1995	46,967	73.8	28,487	41.5	1,029,796	1618.3	171	0.2
1994	49,387	72.0	27,924	40.7	1,146,951	1671.5	875	1.3
1993	40,155	58.5	25,399	37.0	903,508	1316.6	253	0.4
1992	36,550	54.6	20,176	30.1	770,396	1150.2	378	0.6
1991	34,584	52.9	22,307	34.1	891,562	1364.5	562	0.9
1990	33,702	53.0	21,979	34.5	980,557	1541.3	1,008	1.6
1989	33,777	54.4	21,933	35.3	893,550	1440.1	1,105	1.8
1988	28,940	48.2	21,184	35.2	759,511	1263.8	1,438	2.4
1987	27,195	46.3	20,367	34.7	642,777	1094.6	1,814	3.1
1986	26,985	47.0	18,395	32.1	602,851	1051.1	1,985	3.5
1985	24,270	43.3	18,143	32.4	586,427	1047.1	2,078	3.7
1984	24,191	44.3	17,700	32.4	606,880	1110.1	1,764	3.2
1983	25,838	48.6	17,997	33.8	352,447	662.6	2,052	3.9
1982	26,867	52.3	16,832	32.7	280,431	545.6	2,250	4.4
1981	24,777	50.0	16,059	31.3	220,698	429.7	1,476	2.9
1980	28,905	58.4	16,019	32.3	206,469	416.8	2,756	5.6
1979	20,213	43.4	15,449	33.2	219,527	471.3	3,219	6.9
1978	19,565	42.0	14,182	30.4	207,426	445.3	5,929	12.7

Year	Pneumonias J12-J18				Influenza J11			
	Cases		Deaths		Cases		Deaths	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1998	646,789	884.2	33,709	46.1	563,674	770.6	303	0.4
1997	672,681	940.2	32,193	45.0	574,748	803.3	251	0.4
1996	679,172	1004.1	33,319	47.6	560,168	828.1	340	0.5
1995	666,934	1048.1	33,637	49.0	752,040	1181.8	313	0.5
1994	610,731	890.1	28,132	41.0	840,611	1225.1	404	0.6
1993	470,574	685.7	35,582	51.9	609,471	888.1	455	0.7
1992	401,025	598.7	36,626	54.7	510,190	761.7	401	0.6
1991	275,513	421.7	36,705	56.2	462,915	708.5	496	0.8
1990	235,947	370.9	41,181	64.7	544,768	856.3	605	1.0
1989	232,056	374.0	43,268	69.7	773,802	1247.1	770	1.2
1988	201,902	336.0	47,444	78.9	576,404	959.1	791	1.3
1987	183,143	311.9	52,700	89.7	495,161	843.2	1,151	2.0
1986	190,208	331.6	50,621	88.3	397,715	693.4	1,221	2.1
1985	205,387	366.7	52,888	94.4	447,550	799.1	1,400	2.5
1984	193,594	354.1	45,971	84.1	453,926	830.3	1,150	2.1
1983	123,420	232.0	48,650	91.5	253,534	476.6	1,215	2.3
1982	106,563	207.3	45,373	88.3	226,237	440.2	1,297	2.5
1981	123,154	239.8	43,164	84.0	251,200	489.1	2,715	5.3
1980	117,270	236.7	45,209	91.3	202,884	409.6	1,913	3.9
1979	126,797	272.2	49,019	105.2	189,126	406.0	1,803	3.9
1978	113,257	248.8	45,667	100.3	222,064	487.7	1,893	4.2

TYPHOID AND PARATYPHOID FEVER

MORBIDITY AND MORTALITY TRENDS

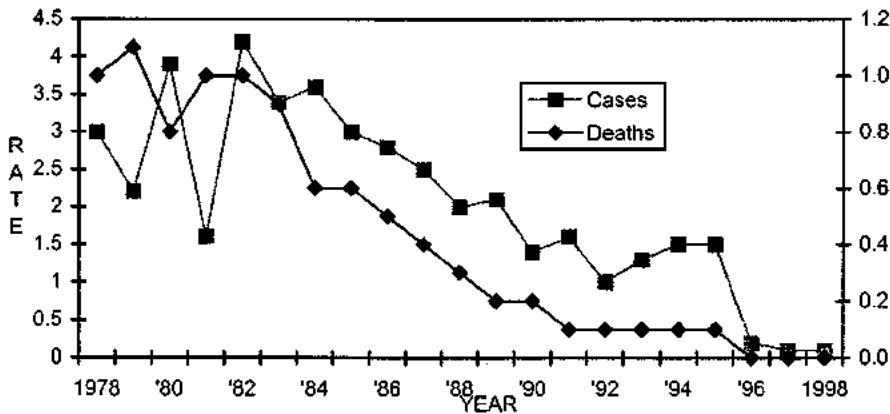
Rate Per 100,000 Pop., Phils., 1978-1998



DIPHTHERIA

MORBIDITY AND MORTALITY TRENDS

Rate Per 100,000 Pop., Phils., 1978-1998



WHOOPING COUGH

MORBIDITY AND MORTALITY TRENDS

Rate Per 100,000 Pop., Phils., 1978-1998

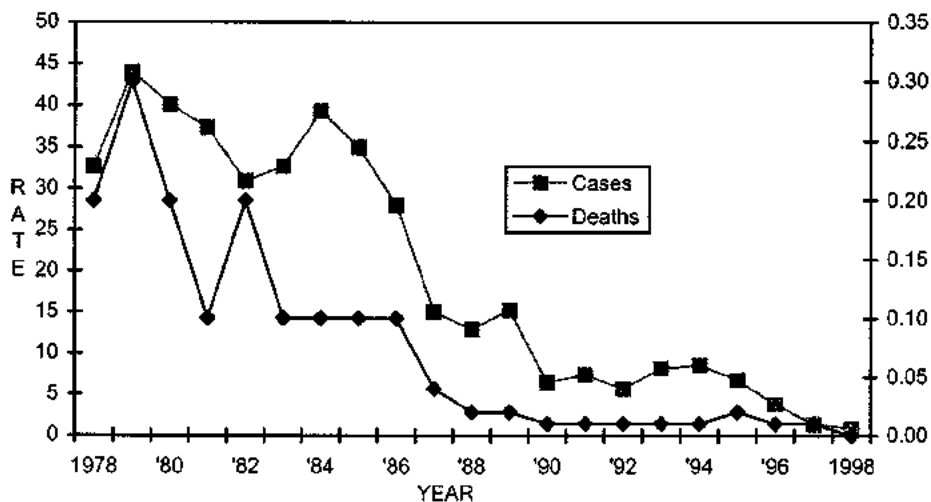
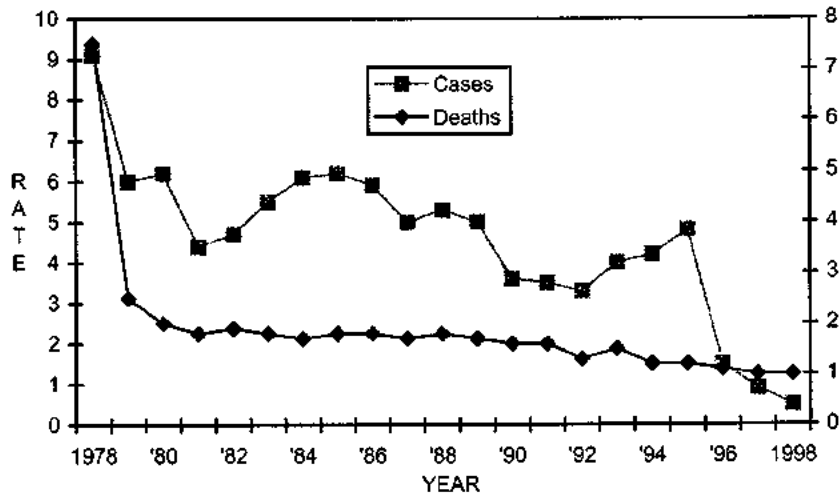


Fig. 11

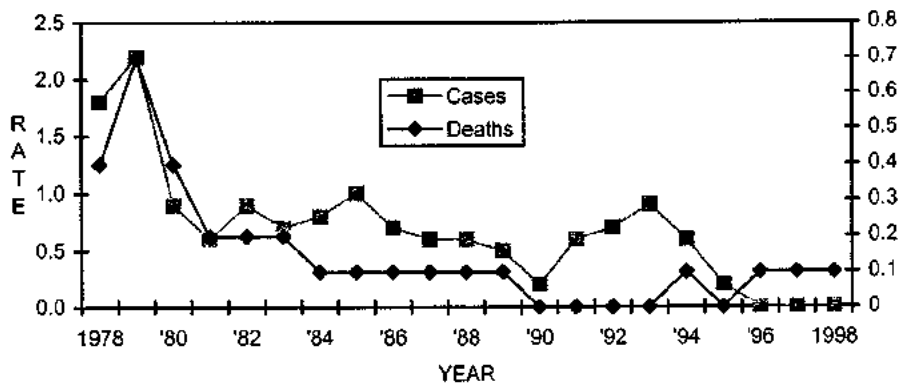
TETANUS

MORBIDITY AND MORTALITY TRENDS
Rate Per 100,000 Pop., Phils., 1978-1998



POLIOMYELITIS

MORBIDITY AND MORTALITY TRENDS
Rate Per 100,000 Pop., Phils., 1978-1998



VARICELLA

MORBIDITY AND MORTALITY TRENDS
Rate Per 100,000 Pop., Phils., 1978-1998

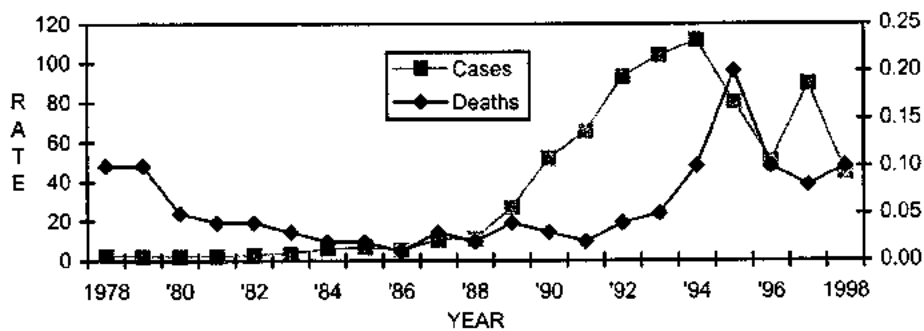
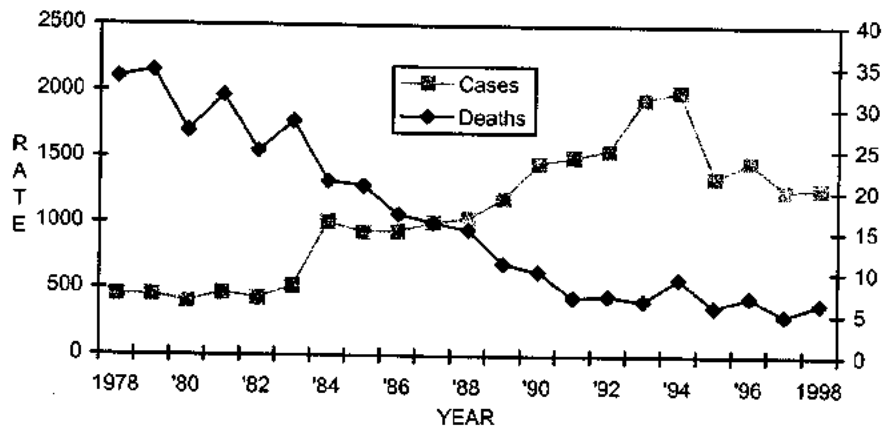


Fig. 12

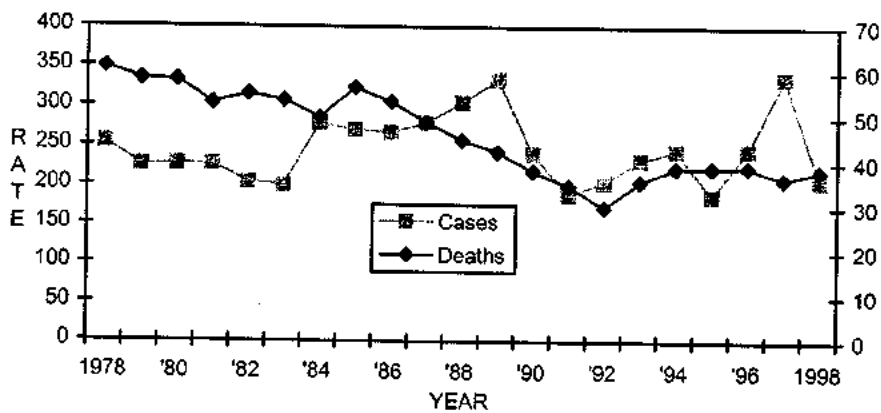
DIARRHEAS

MORBIDITY AND MORTALITY TRENDS
Rate Per 100,000 Pop., Phils., 1978-1998



TUBERCULOSIS, ALL FORMS

MORBIDITY AND MORTALITY TRENDS
Rate Per 100,000 Pop., Phils., 1978-1998



LEPROSY

MORBIDITY AND MORTALITY TRENDS
Rate Per 100,000 Pop., Phils., 1978-1998

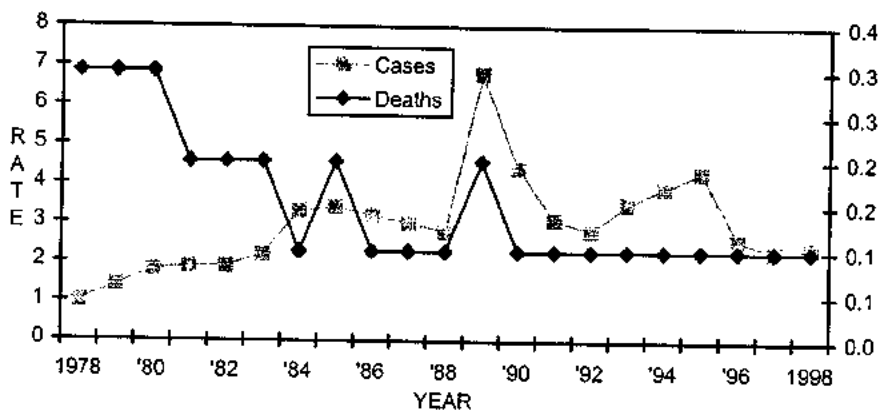


Fig. 17

MORTALITY STATISTICS

Mortality statistics provides information on the occurrence and prevalent causes of death as well as relevant data on fetal, infant, child and maternal deaths. It also shows which diseases pose the greatest threat to the survival of the people.

Mortality refers to deaths as a component of population change. Demographic studies reveal that countries undergoing rapid population increase has a sharply declining death rate rather than an increasing birth rate that brings about population explosion. The Philippines has continuously exhibited a stable death rate from the 70s to the early part of the 80s, thus attributing to an increased birth rate for the country's fast population growth.

The statistical information in this report is 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. Registration of death is done in the place of occurrence and not according to the place of residence of the deceased. Reports from the local civil registrars are submitted to the National Statistics Office which consolidates data on causes of death using International Classification of Diseases version 9 (ICD-9). These were then recoded to International Classification of Diseases version 10 (ICD-10) for purposes of publication.

In 1998, a total of 352,992 deaths were registered for a crude death rate of 4.8/1000 population. The state of health is also of interest in the study of mortality. Table 21 presents the Ten (10) Leading Causes of Mortality in 1998. Diseases of the Heart still tops the list accounting for 15.8% of the total deaths. This is 1.1% higher than in 1997. Diseases of the Vascular System (11.7%) and Pneumonia (9.5%) remain second and third respectively. Malignant Neoplasm and Accidents switch ranks from 5th and 4th, now 4th and 5th respectively. Tuberculosis, All Forms, still ranks 6th (7.9%), a 1.1% higher than in 1997. Chronic Obstructive Pulmonary Disease (4%) is on the 7th and Diabetes Mellitus on the 8th (2.5%), replacing Other Disease of the Respiratory System (2.1%) which is now in rank 9th and ties up with Nephritis, Nephrotic Syndrome and Nephrosis (2.1%).

From 1995 to 1998, the same diseases were the leading causes of mortality with a slight change in ranks, but Diseases of the Heart have been consistently the number one killer disease. This pattern of causes of death in the country indicates the most life threatening diseases that are prevalent in the living population.

Table 4 and Figure 4 present the Crude Death Rate trend of the country from 1950 to 1998. The trend reveals a 56% decrease in crude death rate from 1950 (11.2 per 1000 population) to 1998 (4.8 per 1000 population). High death rates occurred among elderly or age-group 55-59 yrs. (11.4); 60-64 yrs. (17.7); 65-69 yrs. (25.0) and 70 yrs. and over (71.7). However, deaths during infancy is also high, with a rate of 14.4. This means that for every 1,000 infants, 14 babies die before they reach their first birthday. Mortality rate for male is 5.7 per 1,000 male population and for female is 3.9 per 1,000 female population. There were more male deaths than female deaths registered in 1998 with a ratio of 147.9. Death sex ratio is computed by dividing the number of male deaths by the number of female deaths multiplied by 100.

DEATHS BY CAUSE AND ATTENDANCE

Data on deaths by attendance are classified into: a) attended, when the deceased was attended by a physician or medically trained personnel during his illness or injuries at a specific period indicated in the death certificate and b) not attended, if the first condition is not met and satisfied.

In 1998, more than half of the registered deaths did not consult doctors or any medically trained professional. Table 23 shows a total of 193,887 (54.9% of total deaths) unattended and 159,105 (45.1% of total deaths) attended deaths.

MATERNAL MORTALITY

Maternal Mortality is death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of pregnancy, from any cause related to or aggravated by the pregnancy or its management, but not from accidental or incidental causes. Maternal deaths are subdivided further into pregnancy, childbirth and puerperium. Maternal Mortality Rate (MMR) is the number of maternal deaths per 1,000 live births. In 1998, there were 1,579 maternal deaths with a rate of 1.0 per 1,000 live births (Table 33).

MATERNAL MORTALITY BY CAUSE

There are five (5) main causes of maternal mortality. In 1998, normal delivery and other complications related to pregnancy occurring in the course of labor, delivery and puerperium is the number one cause with 603 deaths or 38.2% of all maternal deaths. Hypertension complicating pregnancy, childbirth and puerperium is second with 26.9 %. Postpartum hemorrhage has 18.1%, pregnancy with abortive outcome has 9.1% and hemorrhages related to pregnancy has 7.7% shares of the total maternal deaths. Table 33 shows regional data on maternal mortality. In 1998, Region 9 has the highest rate of maternal deaths with 1.7 per 1000 live births of the corresponding region. The figures also conclude that the older the pregnant women, the greater is the risk of dying. Women who belong to age 40 and above have the higher rates of maternal deaths.

INFANT MORTALITY

Infant mortality refers to death among babies less than one year old. Data for 1998 revealed that there were 28,196 registered infant deaths or 8.0% of the total deaths. This number is also 135 deaths higher than in 1997. Table 30 shows the ten leading causes of infant mortality. There was no significant change as to the leading causes of infant deaths, only a slight change in number of occurrences and their respective ranks. Respiratory conditions of fetus and new born still tops the list with 5,715 deaths or 20.3% of the total infant deaths. Second is Pneumonia with 4,630 infant deaths (16.4%) followed by Congenital Anomalies which was responsible for 3,168 infant deaths (11.2%). Others in the list in order of ranking are Birth Injury & Difficult Labor (1,512 deaths or 5.4%), Diarrheal Diseases (1,483 deaths or 5.3%), Septicemia

(1,035 deaths or 3.7%), Meningitis now ranks 7th from rank 8th (462 deaths or 1.6%), Other Diseases of the Respiratory System (441 deaths or 1.6%), Avitaminoses and Other Nutritional Deficiency (366 deaths or 1.3%) and Measles (255 deaths or .9%). Among the regions, National Capital Region (NCR) showed the highest infant mortality rate of 23.5 per 1000 live births. For the provinces, Biliran of Region 8 had the highest rate of 32.4 per 1000 live births while the city of Trece Martirez from Region 4 registered the highest rate among the cities with 26.5 per 1000 live births.

INFANT MORTALITY BY AGE:

Of the total 28,196 infant deaths registered in 1998, 15,454 or a rate of 9.5 per 1000 live births were under 28 days (Neonatal Deaths) while 12,742 or 7.8 per 1000 live births accounted for those 28 days to under (1) one year (Post-Neonatal Deaths). For age group of 0 – 6 days (Early Neonatal), there were 12,378 deaths (7.6 per 1000 live births) representing 80.1% with 590 or 3.8% of all neonatal deaths. Of the post neo-natal deaths, those in the age group 28-59 days registered the highest with 8.0% of the total infant deaths. In 1998, there were more male deaths than females deaths under one year of age. The male to female death ration of under one year is 144.

FETAL DEATHS

Fetal death is a death of an offspring prior to its complete expulsion or extraction from the womb regardless of the duration of pregnancy. It includes abortion, miscarriages and stillbirths. The number of fetal deaths registered in 1998 was 6,232 or 3.8 per 1,000 live births (Table 4). This was 35.6% lower compared to 1997. Region 4 ranked first 8.1 fetal deaths per 1,000 live births. Regions 9 and 11, recorded the least fetal deaths with a rate of 1.0 per 1,000 live births. Majority (72.6%) of fetal deaths were attended by physician, nurse or midwife, 14.7% by unlicensed midwife and 12.7% were attended by other attendants (Table 34). Fetal deaths were highest among mothers who were 25-29 years old (24.8% of the total fetal deaths). Twenty-five percent (25%) of fetal deaths were supposedly first born of mothers (Table 36).

LATE FETAL DEATHS

Fetal death occurring after the 27th week of pregnancy is considered as Late Fetal Death. In 1998 there were 3,082 late fetal deaths or 1.9 per 1,000 live births (Table 37). This was 35.3% lower compared to last year's late fetal deaths. Late fetal death occurrence was highest among mothers aged 25-29 with 763 deaths (24.8% of total late fetal deaths).

Table 18

Mortality: All Causes by Age & Sex
Number & Rate/1,000 Population* & Percentage Distribution
Philippines, 1998

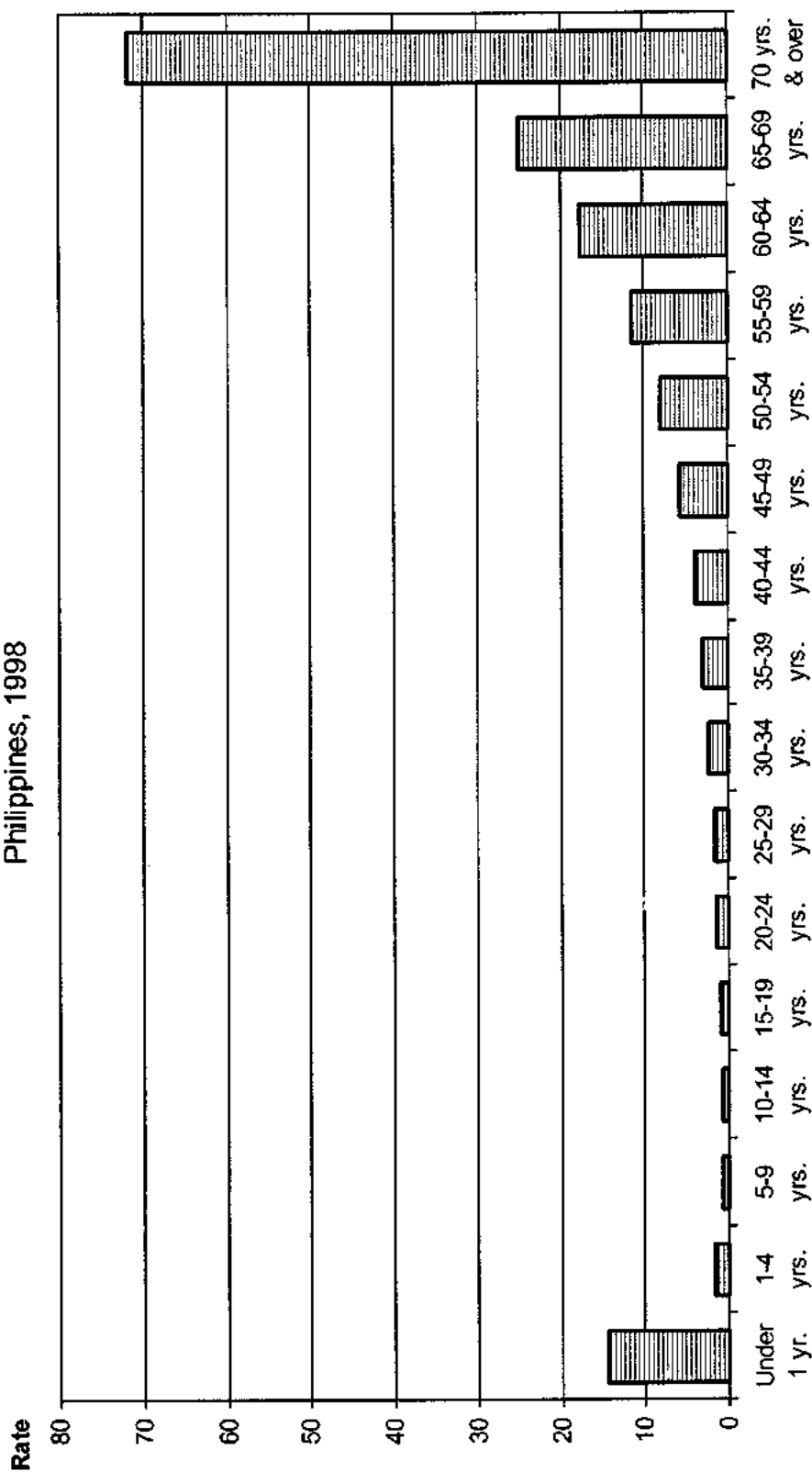
Age	Male		Female		Total		
	Number	Rate	Number	Rate	Number	Rate	Percent
All Ages	210,592	5.7	142,400	3.9	352,992	4.8	100.0
Under 1 year	16,655	16.5	11,541	12.2	28,196	14.4	8.0
1 - 4 yrs.	6,831	1.8	5,513	1.5	12,344	1.6	3.5
5 - 9 yrs.	3,731	0.8	2,875	0.7	6,606	0.7	1.9
10 - 14 yrs.	2,988	0.7	2,051	0.5	5,039	0.6	1.4
15 - 19 yrs.	4,226	1.1	2,338	0.6	6,564	0.9	1.9
20 - 24 yrs.	6,105	1.8	2,801	0.8	8,906	1.3	2.5
25 - 29 yrs.	7,427	2.4	3,169	1.0	10,596	1.7	3.0
30 - 34 yrs.	7,908	3.0	3,559	1.3	11,467	2.2	3.2
35 - 39 yrs.	9,263	4.1	4,286	1.9	13,549	3.0	3.8
40 - 44 yrs.	10,245	5.3	4,761	2.5	15,006	3.9	4.3
45 - 49 yrs.	12,332	7.8	5,592	3.6	17,924	5.7	5.1
50 - 54 yrs.	13,519	10.7	6,294	5.0	19,813	7.9	5.6
55 - 59 yrs.	15,087	15.6	7,338	7.4	22,425	11.4	6.4
60 - 64 yrs.	17,311	23.5	9,451	12.2	26,762	17.7	7.6
65 - 69 yrs.	17,234	32.2	10,856	18.4	28,090	25.0	8.0
70 yrs. & Over	59,335	79.9	59,719	65.0	119,054	71.7	33.7
Not Stated	395	-	256	-	651	-	0.2

* population of corresponding age-group

MORTALITY : ALL CAUSES BY AGE

Rate / 1,000 Population

Philippines, 1998



Age-Group

Fig. 18

Table 21

**Mortality: Ten (10) Leading Causes
Number & Rate/100,000 Pop.
Philippines
5 - Year Average (1993-1997) & 1998**

Cause	5 - Year Average (1993 - 1997)			1998		
	Number	Rate	% of Total Deaths	Number	Rate	% of Total Deaths
1. Diseases of the Heart (I00-09; I11; I13; I21-I52)	51,559	92.5	15.6	55,830	76.3	15.8
2. Diseases of the Vascular System (I10; I12 I15; I60-I69; I70-I78; I80-I99)	39,983	71.7	12.1	41,380	56.6	11.7
3. Pneumonia (J12-J18)	32,573	58.4	9.9	33,709	46.1	9.5
4. Malignant Neoplasms (C00-C97)	28,402	50.9	8.6	32,090	43.9	9.1
5. Accidents (V01-X59; Y40-Y86)	17,989	32.3	5.5	29,874	40.8	8.5
6. Tuberculosis, All Forms (A10-A18; B90)	26,497	47.5	8.0	28,041	38.3	7.9
7. Chronic Obstructive Pulmonary Diseases and Allied Conditions (J40-J47)	11,935	21.4	3.6	14,228	19.5	4.0
8. Diabetes Mellitus (E10 - E14)	7,072	12.7	2.1	8,819	12.1	2.5
9. Other Diseases of the Respiratory System (J95-J98)	6,952	12.5	2.1	7,516	10.3	2.1
10. Nephritis, Nephrotic Syndrome and Nephrosis (N00-N05; N17; N19; N25; N27)	6,952	12.5	2.1	7,453	10.2	2.1

MORTALITY: TEN (10) LEADING CAUSES

Rate/ 100,000 Population

Philippines

5-Year Average (1993-1997) & 1998

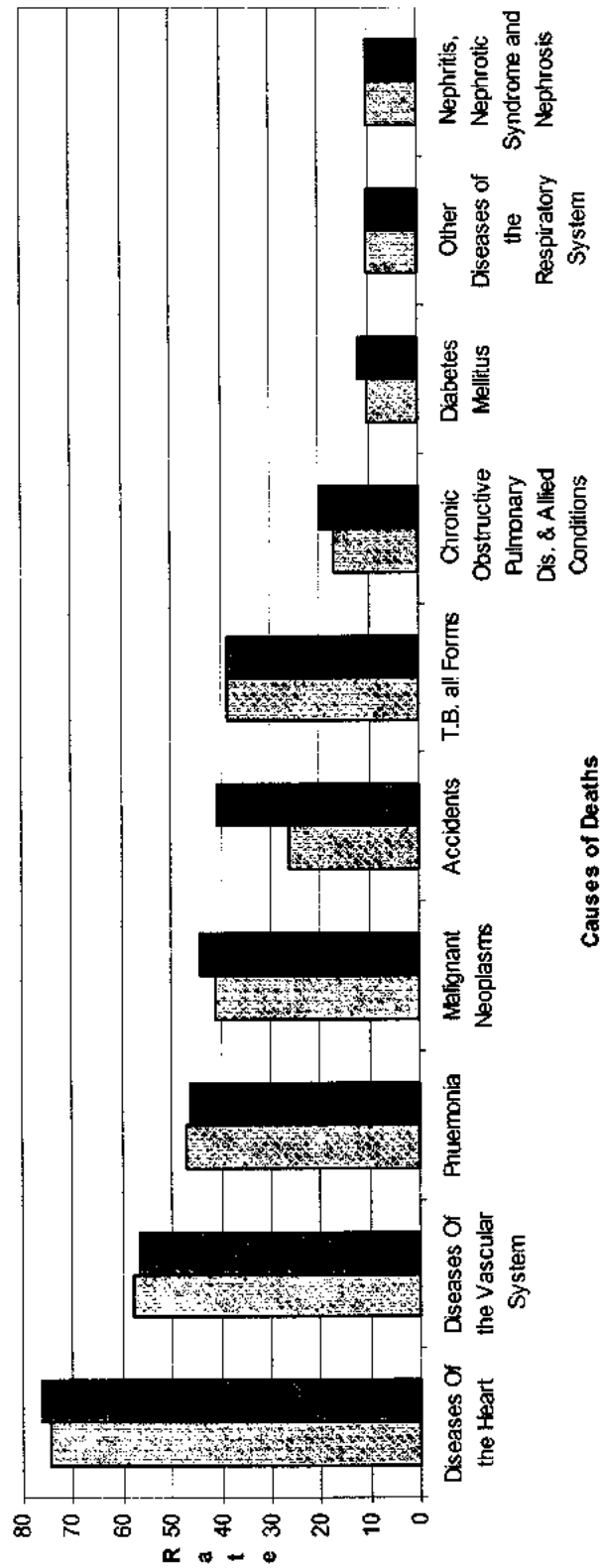
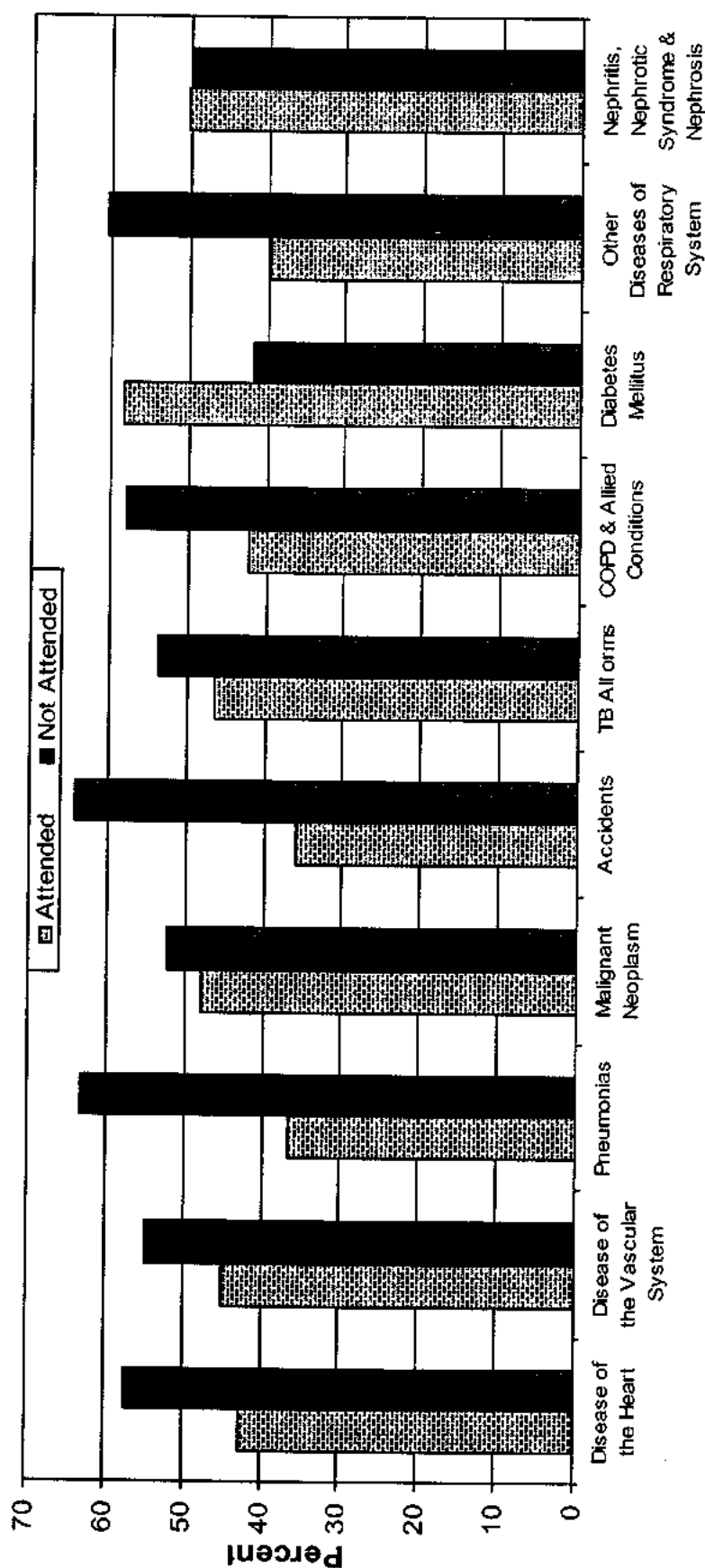


Fig.20

Mortality: Ten (10) Leading Causes by Attendance Percent Distribution Philippines, 1998



Leading Causes

Fig. 22

Table 23

Mortality: By Attendance, Health Region, Province & City
Number & Percentage Distribution
Philippines, 1998

Area	Total Deaths	Attendance			
		Attended		Not Attended	
		Number	Percent	Number	Percent
PHILIPPINES	352,992	159,105	45.1	193,887	54.9
NAT. CAP. REGION	60,270	35,576	59.0	24,694	7.3
CITY OF MANILA	19,373	13,339	68.9	6,034	1.8
MANILA, 2ND DISTRICT	768	593	77.2	175	0.1
MANDALUYONG	1,791	1,289	72.0	502	0.1
PASIG CITY	3,379	2,135	63.2	1,244	0.4
QUEZON CITY	13,998	9,251	66.1	4,747	1.4
MARIKINA CITY	2,014	1,181	58.6	833	0.2
MANILA, 3RD DISTRICT	3,794	1,343	35.4	2,451	0.7
KALOOKAN CITY	4,330	1,223	28.2	3,107	0.9
MANILA, 4TH DISTRICT	6,646	2,717	40.9	3,929	1.2
MAKATI CITY	2,425	1,627	67.1	798	0.2
PASAY CITY	1,752	878	50.1	874	0.3
C.A.R.	4,756	2,083	43.8	2,673	0.8
ABRA	1,065	353	33.1	712	0.2
APAYAO	199	42	21.1	157	0.05
BENGUET	963	374	38.8	589	0.2
IFUGAO	512	201	39.3	311	0.1
KALINGA	290	130	44.8	160	0.05
MT. PROVINCE	492	159	32.3	333	0.1
BAGUIO CITY	1,235	824	66.7	411	0.1
REGION 1	27,179	11,021	40.5	16,158	4.8
ILOCOS NORTE	2,755	1,267	46.0	1,488	0.4
ILOCOS SUR	3,825	1,320	34.5	2,505	0.7
LA UNION	4,424	2,068	46.7	2,356	0.7
PANGASINAN	12,123	4,041	33.3	8,082	2.4
DAGUPAN CITY	2,067	1,412	68.3	655	0.2
LAOAG CITY	810	474	58.5	336	0.1
SAN CARLOS CITY	1,175	439	37.4	736	0.2
REGION 2	13,182	5,882	44.6	7,300	2.2
BATANES	97	49	50.5	48	0.01
CAGAYAN	5,251	2,250	42.8	3,001	0.9

Note: Deaths by place of occurrence

Table 23

Mortality: By Attendance, Health Region, Province & City
Number & Percentage Distribution
Philippines, 1998

Area	Total Deaths	Attendance			
		Attended		Not Attended	
		Number	Percent	Number	Percent
ISABELA	4,907	2,313	47.1	2,594	0.8
NUEVA VIZCAYA	1,625	743	45.7	882	0.3
QUIRINO	526	131	24.9	395	0.1
SANTIAGO CITY	776	396	51.0	380	0.1
REGION 3	38,114	18,595	48.8	19,519	5.8
BATAAN	2,411	959	39.8	1,452	0.4
BULACAN	10,222	5,968	58.4	4,254	1.3
NUEVA ECIJA	5,738	2,241	39.1	3,497	1.0
PAMPANGA	6,475	2,895	44.7	3,580	1.1
TARLAC	5,730	2,679	46.8	3,051	0.9
ZAMBALES	2,251	1,017	45.2	1,234	0.4
ANGELES CITY	1,557	869	55.8	688	0.2
CABANATUAN CITY	2,010	1,126	56.0	884	0.3
OLONGAPO CITY	1,056	526	49.8	530	0.2
PALAYAN CITY	108	37	34.3	71	0.02
SAN JOSE CITY	556	278	50.0	278	0.1
REGION 4	51,481	23,804	46.2	27,677	8.2
AURORA	718	225	31.3	493	0.1
BATANGAS	6,814	2,952	43.3	3,862	1.1
CAVITE	7,250	3,877	53.5	3,373	1.0
LAGUNA	7,881	3,272	41.5	4,609	1.4
MARINDUQUE	1,344	824	61.3	520	0.2
MINDORO OCC.	1,258	598	47.5	660	0.2
MINDORO OR.	2,728	1,278	46.8	1,450	0.4
PALAWAN	1,324	565	42.7	759	0.2
QUEZON	7,050	2,811	39.9	4,239	1.2
RIZAL	6,037	2,423	40.1	3,614	1.1
ROMBLON	1,369	629	45.9	740	0.2
BATANGAS CITY	1,501	751	50.0	750	0.2
CAVITE CITY	700	468	66.9	232	0.1
LIPA CITY	1,237	693	56.0	544	0.2
LUCENA CITY	1,671	908	54.3	763	0.2
PUERTO PRINCESA CITY	682	411	60.3	271	0.1
SAN PABLO CITY	1,284	601	46.8	683	0.2
TAGAYTAY CITY	129	63	48.8	66	0.02
TRECE MARTIRES CITY	504	455	90.3	49	0.01

Table 23

Mortality: By Attendance, Health Region, Province & City
Number & Percentage Distribution
Philippines, 1998

Area	Total Deaths	Attendance			
		Attended		Not Attended	
		Number	Percent	Number	Percent
REGION 5	22,895	8,414	36.8	14,481	4.3
ALBAY	4,879	2,004	41.1	2,875	0.8
CAMARINES NORTE	2,634	956	36.3	1,678	0.5
CAMARINES SUR	4,921	773	15.7	4,148	1.2
CATANDUANES	1,297	477	36.8	820	0.2
MASBATE	2,209	757	34.3	1,452	0.4
SORSOGON	3,615	1,207	33.4	2,408	0.7
IRIGA CITY	542	137	25.3	405	0.1
LEGASPI CITY	1,159	875	75.5	284	0.1
NAGA CITY	1,639	1,228	74.9	411	0.1
REGION 6	35,590	14,185	39.9	21,405	6.3
AKLAN	2,802	1,095	39.1	1,707	0.5
ANTIQUE	2,936	1,034	35.2	1,902	0.6
CAPIZ	2,493	323	13.0	2,170	0.6
ILOILO	8,377	3,063	36.6	5,314	1.6
NEGROS OCC.	5,638	1,416	25.1	4,222	1.2
GUIMARAS	460	118	25.7	342	0.1
BACOLOD CITY	4,012	2,620	65.3	1,392	0.4
BAGO CITY	646	128	19.8	518	0.2
CADIZ CITY	516	97	18.8	419	0.1
ILOILO CITY	4,166	2,518	60.4	1,648	0.5
LA CARLOTA CITY	295	85	28.8	210	0.1
ROXAS CITY	1,116	602	53.9	514	0.2
SAGAY CITY	512	203	39.6	309	0.1
SAN CARLOS CITY	649	255	39.3	394	0.1
SILAY CITY	972	628	64.6	344	0.1
REGION 7	29,882	12,210	40.9	17,672	5.2
BOHOL	5,338	1,637	30.7	3,701	1.1
CEBU	8,891	2,872	32.3	6,019	1.8
NEGROS OR.	2,524	426	16.9	2,098	0.6
SIQUIJOR	622	454	73.0	168	0.05
BAIS CITY	314	114	36.3	200	0.1
CANLAON CITY	200	41	20.5	159	0.0
CEBU CITY	6,796	4,068	59.9	2,728	0.8

Table 23

Mortality: By Attendance, Health Region, Province & City
Number & Percentage Distribution
Philippines, 1998

Area	Total Deaths	Attendance			
		Attended		Not Attended	
		Number	Percent	Number	Percent
DANAO CITY	421	183	43.5	238	0.1
DUMAGUETE CITY	1,338	1,004	75.0	334	0.1
LAPU-LAPU CITY	1,061	329	31.0	732	0.2
MANDAWE CITY	798	201	25.2	597	0.2
TAGBILARAN CITY	982	751	76.5	231	0.1
TOLEDO CITY	597	130	21.8	467	0.1
REGION 8	15,099	6,476	42.9	8,623	2.5
LEYTE DEL NORTE	5,155	1,900	36.9	3,255	1.0
LEYTE DEL SUR	2,287	1,087	47.5	1,200	0.4
EASTERN SAMAR	838	292	34.8	546	0.2
NORTHERN SAMAR	1,988	692	34.8	1,296	0.4
WESTERN SAMAR	1,052	242	23.0	810	0.2
BILIRAN	671	255	38.0	416	0.1
CALBAYOG CITY	537	164	30.5	373	0.1
ORMOC CITY	890	462	51.9	428	0.1
TACLOBAN CITY	1,681	1,382	82.2	299	0.1
REGION 9	9,466	3,568	37.7	5,898	1.7
BASILAN	613	231	37.7	382	0.1
ZAMBO. DEL NORTE	1,643	386	23.5	1,257	0.4
ZAMBO. DEL SUR	2,722	745	27.4	1,977	0.6
DAPITAN CITY	352	135	38.4	217	0.1
DIPOLOG CITY	724	426	58.8	298	0.1
PAGADIAN CITY	597	309	51.8	288	0.1
ZAMBOANGA CITY	2,815	1,336	47.5	1,479	0.4
REGION 10	10,562	4,331	41.0	6,231	1.8
BUKIDNON	2,045	704	34.4	1,341	0.4
CAMIGUIN	442	222	50.2	220	0.1
MISAMIS OCC.	1,210	403	33.3	807	0.2
MISAMIS OR.	2,109	658	31.2	1,451	0.4
CAGAYAN DEL ORO	2,551	1,266	49.6	1,285	0.4
GINGOOG CITY	527	191	36.2	336	0.1
OROQUIETA CITY	539	294	54.5	245	0.1
OZAMIS CITY	872	491	56.3	381	0.1
TANGUB CITY	267	102	38.2	165	0.05

Table 23

Mortality: By Attendance, Health Region, Province & City
Number & Percentage Distribution
Philippines, 1998

Area	Total Deaths	Attendance			
		Attended		Not Attended	
		Number	Percent	Number	Percent
REGION 11	19,257	7,113	36.9	12,144	3.6
COTABATO SOUTH	2,614	1,290	49.3	1,324	0.4
DAVAO ORIENTAL	1,228	453	36.9	775	0.2
DAVAO DEL NORTE	4,267	1,182	27.7	3,085	0.9
DAVAO DEL SUR	2,825	844	29.9	1,981	0.6
SARANGANI	694	134	19.3	560	0.2
DAVAO CITY	5,779	2,348	40.6	3,431	1.0
GEN. SANTOS CITY	1,850	862	46.6	988	0.3
REGION 12	7,151	2,934	41.0	4,217	1.2
LANAO DEL NORTE	959	340	35.5	619	0.2
NORTH COTABATO	2,338	832	35.6	1,506	0.4
SULTAN KUDARAT	1,512	598	39.6	914	0.3
COTABATO CITY	834	465	55.8	369	0.1
ILIGAN CITY	1,438	667	46.4	771	0.2
MARAWI CITY	70	32	45.7	38	0.01
A.R.M.M.	1,068	340	31.8	728	0.2
LANAO DEL SUR	268	72	26.9	196	0.1
MAGUINDANAO	431	92	21.3	339	0.1
SULU	253	125	49.4	128	0.04
TAWI-TAWI	116	51	44.0	65	0.02
CARAGA REGION	7,040	2,573	36.5	4,467	1.3
AGUSAN DEL NORTE	867	234	27.0	633	0.2
AGUSAN DEL SUR	1,002	334	33.3	668	0.2
SURIGAO DEL NORTE	1,136	239	21.0	897	0.3
SURIGAO DEL SUR	1,682	662	39.4	1,020	0.3
BUTUAN CITY	1,510	683	45.2	827	0.2
SURIGAO CITY	843	421	49.9	422	0.1

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	All Ages			
	Male	Female	Both Sexes	Rate
Cholera (A00)	56	29	85	0.12
Typhoid & Paratyphoid fevers (A01)	651	469	1,120	1.53
Other salmonella infections (A02)	7	7	14	0.02
Shigellosis and amoebiasis (Dysentery, All Forms) (A04;A06)	193	172	365	0.50
Other food poisoning (Bacterial) (A05)	46	31	77	0.11
Other intestinal infectious diseases (A07; A08)	31	27	58	0.08
Non- Specific Diarrheas (A09)	2,652	1,954	4,606	6.30
Tuberculosis of the respiratory system (A10-A12)	18,264	8,710	26,974	36.88
Tuberculosis of meninges & CNS (A17)	378	287	665	0.91
Other tuberculosis, including late effects (A14-A18;B90)	232	170	402	0.55
Plague (A20)	1	-	1	0.00
Leprosy (A30)	29	9	38	0.05
Diphtheria (A36)	7	15	22	0.03
Whooping cough (A37)	3	3	6	0.01
Streptococcal sore throat (A40)	2	-	2	0.00
Meningococcal infection (A39)	74	63	137	0.19
Tetanus (A35)	560	191	751	1.03
Septicemia (A41)	3,062	2,661	5,723	7.82
All other diseases caused by bacteria (A21-A25;A31;A42;A46;A48-A49)	103	58	161	0.22
Acute poliomyelitis including late effects (A80)	24	22	46	0.06
Smallpox (B03)	-	-	-	-
Chickenpox (B01)	30	8	38	0.05
Measles (B05)	380	317	697	0.95
Yellow Fever (A95)	-	1	1	0.00
Dengue/Dengue-hemorrhagic fever (A90,A91)	881	1,023	1,904	2.60
Arthropod-borne viral encephalitis including late effects (A83-A89)	86	59	145	0.20
Viral hepatitis (B15-B19)	693	273	966	1.32
Rabies (A82)	487	238	725	0.99
Other viral diseases (Rest of A80-B34)	489	360	849	1.16
Malaria (B50-B54)	375	186	561	0.77
Other arthropod-borne diseases (A75-A79)	9	6	15	0.02
Syphilis (A50-A64)	10	9	19	0.03
Gonococcal Infections (A54)	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Under 1 Year				1-4 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	4	1	5	0.26	7	-	7	0.09
Typhoid & Paratyphoid fevers	13	8	21	1.07	33	15	48	0.63
Other salmonella infections	-	2	2	0.10	2	-	2	0.03
Shigellosis and amoebiasis (Dysentery, All Forms)	47	26	73	3.73	22	29	51	0.67
Other food poisoning (Bacterial)	-	1	1	0.05	11	12	23	0.30
Other intestinal infectious diseases	9	11	20	1.02	10	6	16	0.21
Non- Specific Diarrheas	817	544	1,361	69.57	711	540	1,251	16.48
Tuberculosis of the respiratory sys.	13	12	25	1.28	21	15	36	0.47
Tuberculosis of meninges & CNS	26	20	46	2.35	68	48	116	1.53
Other tuberculosis, including late effects	-	-	-	-	4	-	4	0.05
Plague	-	-	-	-	-	-	-	-
Leprosy	-	-	-	-	-	-	-	-
Diphtheria	3	1	4	0.20	3	6	9	0.12
Whooping cough	-	1	1	0.05	1	-	1	0.01
Streptococcal sore throat	-	-	-	-	-	-	-	-
Meningococcal infection	21	16	37	1.89	14	15	29	0.38
Tetanus	21	11	32	1.64	15	10	25	0.33
Septicemia	599	436	1,035	52.90	254	231	485	6.39
All other diseases caused by bacteria	19	9	28	1.43	14	7	21	0.28
Acute poliomyelitis including late effects	-	1	1	0.05	3	-	3	0.04
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	5	4	9	0.46	6	-	6	0.08
Measles	150	105	255	13.03	185	154	339	4.47
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	59	57	116	5.93	217	275	492	6.48
Arthropod-borne viral encephalitis including late effects	4	3	7	0.36	14	10	24	0.32
Viral hepatitis	26	13	39	1.99	22	10	32	0.42
Rabies	2	1	3	0.15	37	8	45	0.59
Other viral diseases	78	54	132	6.75	87	68	155	2.04
Malaria	3	5	8	0.41	21	13	34	0.45
Other arthropod-borne diseases	-	-	-	-	1	-	1	0.01
Syphilis	-	2	2	0.10	1	1	2	0.03
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	5-9 Years				10-14 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	6	4	10	0.11	2	1	3	0.04
Typhoid & Paratyphoid fevers	41	45	86	0.95	39	41	80	0.95
Other salmonella infections	1	-	1	0.01	-	1	1	0.01
Shigellosis and amoebiasis (Dysentery, All Forms)	13	7	20	0.22	4	3	7	0.08
Other food poisoning (Bacterial)	9	4	13	0.14	4	3	7	0.08
Other intestinal infectious diseases	2	1	3	0.03	-	1	1	0.01
Non-Specific Diarrheas	180	124	304	3.35	63	39	102	1.22
Tuberculosis of the respiratory sys	34	23	57	0.63	58	38	96	1.14
Tuberculosis of meninges & CNS	61	37	98	1.08	37	27	64	0.76
Other tuberculosis, including late effects	6	6	12	0.13	12	5	17	0.20
Plague	-	-	-	-	-	-	-	-
Leprosy	-	-	-	-	-	-	-	-
Diphtheria	1	6	7	0.08	-	-	-	-
Whooping cough	-	-	-	-	-	-	-	-
Streptococcal sore throat	1	-	1	0.01	-	-	-	-
Meningococcal infection	8	7	15	0.17	4	3	7	0.08
Tetanus	31	18	49	0.54	67	20	87	1.04
Septicemia	113	70	183	2.01	62	44	106	1.26
All other diseases caused by bacteria	5	2	7	0.08	2	2	4	0.05
Acute poliomyelitis including late effects	2	4	6	0.07	3	1	4	0.05
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	3	1	4	0.04	1	1	2	0.02
Measles	20	31	51	0.56	9	13	22	0.26
Yellow Fever	-	-	-	-	-	1	1	0.01
DengueDengue-hemorrhagic fever	337	444	781	8.60	120	124	244	2.91
Arthropod-borne viral encephalitis including late effects	10	9	19	0.21	12	9	21	0.25
Viral hepatitis	12	6	18	0.20	11	7	18	0.21
Rabies	89	44	133	1.46	55	23	78	0.93
Other viral diseases	55	49	104	1.14	44	38	82	0.98
Malaria	12	21	33	0.36	19	8	27	0.32
Other arthropod-borne diseases	-	-	-	-	-	1	1	0.01
Syphilis	-	-	-	-	2	-	2	0.02
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	15-19 Years				20-24 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	3	-	3	0.04	1	2	3	0.04
Typhoid & Paratyphoid fevers	75	56	131	1.72	83	49	132	1.93
Other salmonella infections	-	1	1	0.01	1	1	2	0.03
Shigellosis and amoebiasis (Dysentery, All Forms)	2	1	3	0.04	6	4	10	0.15
Other food poisoning (Bacterial)	1	3	4	0.05	3	1	4	0.06
Other intestinal infectious diseases	1	-	1	0.01	-	-	-	-
Non-Specific Diarrheas	42	36	78	1.02	30	18	48	0.70
Tuberculosis of the respiratory sys.	144	102	246	3.22	272	189	461	6.73
Tuberculosis of meninges & CNS	27	21	48	0.63	22	28	50	0.73
Other tuberculosis, including late effects	10	12	22	0.29	14	11	25	0.37
Plague	-	-	-	-	-	-	-	-
Leprosy	-	-	-	-	3	-	3	0.04
Diphtheria	-	1	1	0.01	-	-	-	-
Whooping cough	-	-	-	-	-	-	-	-
Streptococcal sore throat	-	-	-	-	-	-	-	-
Meningococcal infection	6	-	6	0.08	1	6	7	0.10
Tetanus	43	11	54	0.71	47	5	52	0.76
Septicemia	94	71	165	2.16	77	88	165	2.41
All other diseases caused by bacteria	2	2	4	0.05	1	3	4	0.06
Acute poliomyelitis including late effects	4	6	10	0.13	3	1	4	0.06
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	1	-	1	0.01	2	1	3	0.04
Measles	6	7	13	0.17	5	4	9	0.13
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	51	49	100	1.31	31	26	57	0.83
Arthropod-borne viral encephalitis including late effects	6	8	14	0.18	4	2	6	0.09
Viral hepatitis	20	11	31	0.41	30	11	41	0.60
Rabies	38	9	47	0.62	12	7	19	0.28
Other viral diseases	37	31	68	0.89	30	19	49	0.72
Malaria	31	11	42	0.55	20	15	35	0.51
Other arthropod-borne diseases	1	-	1	0.01	-	1	1	0.01
Syphilis	-	-	-	-	-	-	-	-
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	25-29 Years				30-34 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	2	-	2	0.03	3	2	5	0.09
Typhoid & Paratyphoid fevers	63	56	119	1.96	46	34	80	1.51
Other salmonella infections	1	-	1	0.02	1	-	1	0.02
Shigellosis and amoebiasis (Dysentery, All Forms)	4	8	12	0.20	7	4	11	0.21
Other food poisoning (Bacterial)	2	-	2	0.03	2	1	3	0.06
Other intestinal infectious diseases	1	1	2	0.03	1	-	1	0.02
Non-Specific Diarrheas	48	32	80	1.32	49	30	79	1.49
Tuberculosis of the respiratory sys.	486	289	775	12.77	606	321	927	17.49
Tuberculosis of meninges & CNS	25	16	41	0.68	18	19	37	0.70
Other tuberculosis, including late effects	6	15	21	0.35	9	12	21	0.40
Plague	-	-	-	-	-	-	-	-
Leprosy	-	1	1	0.02	5	1	6	0.11
Diphtheria	-	1	1	0.02	-	-	-	-
Whooping cough	1	-	1	0.02	-	-	-	-
Streptococcal sore throat	-	-	-	-	-	-	-	-
Meningococcal infection	2	1	3	0.05	1	4	5	0.09
Tetanus	36	3	39	0.64	27	4	31	0.58
Septicemia	94	81	175	2.88	98	84	182	3.43
All other diseases caused by bacteria	5	6	11	0.18	3	4	7	0.13
Acute poliomyelitis including late effects	-	1	1	0.02	1	2	3	0.06
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	1	1	2	0.03	2	-	2	0.04
Measles	2	1	3	0.05	1	-	1	0.02
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	8	10	18	0.30	15	8	23	0.43
Arthropod-borne viral encephalitis including late effects	8	1	9	0.15	4	2	6	0.11
Viral hepatitis	52	13	65	1.07	60	22	82	1.55
Rabies	27	8	35	0.58	15	9	24	0.45
Other viral diseases	28	13	41	0.68	11	11	22	0.42
Malaria	28	13	41	0.68	19	17	36	0.68
Other arthropod-borne diseases	-	-	-	-	1	-	1	0.02
Syphilis	-	-	-	-	2	-	2	0.04
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	35-39 Years				40-44 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	2	1	3	0.07	1	1	2	0.05
Typhoid & Paratyphoid fevers	48	27	75	1.65	50	17	67	1.75
Other salmonella infections	-	-	-	-	-	-	-	-
Shigellosis and amoebiasis (Dysentery, All Forms)	3	5	8	0.18	6	4	10	0.26
Other food poisoning (Bacterial)	1	-	1	0.02	1	-	1	0.03
Other intestinal infectious diseases	-	-	-	-	2	-	2	0.05
Non-Specific Diarrheas	43	31	74	1.63	41	19	60	1.57
Tuberculosis of the respiratory sys.	867	399	1,266	27.83	1,127	478	1,605	41.98
Tuberculosis of meninges & CNS	20	20	40	0.88	11	8	19	0.50
Other tuberculosis, including late effects	11	7	18	0.40	19	14	33	0.86
Plague	-	-	-	-	-	-	-	-
Leprosy	4	2	6	0.13	1	2	3	0.08
Diphtheria	-	-	-	-	-	-	-	-
Whooping cough	-	-	-	-	-	-	-	-
Streptococcal sore throat	-	-	-	-	-	-	-	-
Meningococcal infection	3	2	5	0.11	2	-	2	0.05
Tetanus	34	9	43	0.95	34	7	41	1.07
Septicemia	89	81	170	3.74	95	72	167	4.37
All other diseases caused by bacteria	5	2	7	0.15	4	1	5	0.13
Acute poliomyelitis including late effects	1	3	4	0.09	1	-	1	0.03
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	1	-	1	0.02	2	-	2	0.05
Measles	1	-	1	0.02	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	9	7	16	0.35	3	4	7	0.18
Arthropod-borne viral encephalitis including late effects	2	6	8	0.18	3	1	4	0.10
Viral hepatitis	68	23	91	2.00	73	23	96	2.51
Rabies	32	22	54	1.19	28	11	39	1.02
Other viral diseases	24	9	33	0.73	16	8	24	0.63
Malaria	34	9	43	0.95	34	6	40	1.05
Other arthropod-borne diseases	-	-	-	-	-	1	1	0.03
Syphilis	-	-	-	-	-	-	-	-
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	45-49 Years				50-54 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	2	1	3	0.10	2	1	3	0.12
Typhoid & Paratyphoid fevers	31	24	55	1.75	39	22	61	2.42
Other salmonella infections	-	-	-	-	1	-	1	0.04
Shigellosis and amoebiasis (Dysentery, All Forms)	10	6	16	0.51	7	3	10	0.40
Other food poisoning (Bacterial)	4	-	4	0.13	2	-	2	0.08
Other intestinal infectious diseases	-	-	-	-	1	-	1	0.04
Non-Specific Diarrheas	42	26	68	2.17	62	31	93	3.69
Tuberculosis of the respiratory sys.	1,503	544	2,047	65.29	1,729	565	2,294	91.13
Tuberculosis of meninges & CNS	17	10	27	0.86	9	7	16	0.64
Other tuberculosis, including late effects	18	18	36	1.15	21	9	30	1.19
Plague	-	-	-	-	-	-	-	-
Leprosy	1	-	1	0.03	5	-	5	0.20
Diphtheria	-	-	-	-	-	-	-	-
Whooping cough	1	-	1	0.03	-	-	-	-
Streptococcal sore throat	-	-	-	-	-	-	-	-
Meningococcal infection	6	2	8	0.26	-	-	-	-
Tetanus	39	3	42	1.34	35	8	43	1.71
Septicemia	103	72	175	5.58	120	73	193	7.67
All other diseases caused by bacteria	4	2	6	0.19	6	2	8	0.32
Acute poliomyelitis including late effects	2	1	3	0.10	-	-	-	-
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	1	-	1	0.03	1	-	1	0.04
Measles	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	1	3	4	0.13	13	3	16	0.64
Arthropod-borne viral encephalitis including late effects	6	3	9	0.29	4	-	4	0.16
Viral hepatitis	65	18	83	2.65	63	16	79	3.14
Rabies	32	18	50	1.59	32	16	48	1.91
Other viral diseases	10	3	13	0.41	15	6	21	0.83
Malaria	49	12	61	1.95	25	8	33	1.31
Other arthropod-borne diseases	-	-	-	-	-	-	-	-
Syphilis	1	-	1	0.03	1	1	2	0.08
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	55-59 Years				60-64 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	5	3	8	0.41	5	2	7	0.46
Typhoid & Paratyphoid fevers	29	21	50	2.55	18	15	33	2.19
Other salmonella infections	-	1	1	0.05	-	-	-	-
Shigellosis and amoebiasis (Dysentery, All Forms)	4	3	7	0.36	13	10	23	1.52
Other food poisoning (Bacterial)	3	1	4	0.20	1	1	2	0.13
Other intestinal infectious diseases	-	-	-	-	-	2	2	0.13
Non-Specific Diarrheas	65	35	100	5.10	74	53	127	8.41
Tuberculosis of the respiratory sys.	2,024	728	2,752	140.32	2,351	887	3,238	214.45
Tuberculosis of meninges & CNS	14	6	20	1.02	9	8	17	1.13
Other tuberculosis, including late effects	30	10	40	2.04	19	10	29	1.92
Plague	-	-	-	-	-	-	-	-
Leprosy	2	2	4	0.20	4	-	4	0.26
Diphtheria	-	-	-	-	-	-	-	-
Whooping cough	-	-	-	-	-	1	1	0.07
Streptococcal sore throat	-	-	-	-	-	-	-	-
Meningococcal infection	2	3	5	0.25	1	3	4	0.26
Tetanus	39	15	54	2.75	25	13	38	2.52
Septicemia	141	79	220	11.22	160	111	271	17.95
All other diseases caused by bacteria	4	-	4	0.20	6	1	7	0.46
Acute poliomyelitis including late effects	1	-	1	0.05	-	1	1	0.07
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	5	2	7	0.36	6	4	10	0.66
Arthropod-borne viral encephalitis including late effects	3	1	4	0.20	1	1	2	0.13
Viral hepatitis	57	31	88	4.49	44	22	66	4.37
Rabies	25	17	42	2.14	20	10	30	1.99
Other viral diseases	9	8	17	0.87	10	7	17	1.13
Malaria	29	9	38	1.94	9	10	19	1.26
Other arthropod-borne diseases	-	-	-	-	3	-	3	0.20
Syphilis	1	-	1	0.05	-	-	-	-
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	65-69 Years				70 Years & Over			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholera	4	2	6	0.53	7	8	15	0.90
Typhoid & Paratyphoid fevers	11	14	25	2.22	31	25	56	3.37
Other salmonella infections	-	-	-	-	-	-	-	-
Shigellosis and amoebiasis (Dysentery, All Forms)	7	6	13	1.15	37	49	86	5.18
Other food poisoning (Bacterial)	1	-	1	0.09	1	4	5	0.30
Other intestinal infectious diseases	-	1	1	0.09	2	4	6	0.36
Non-Specific Diarrheas	85	55	140	12.44	299	335	634	38.16
Tuberculosis of the respiratory sys.	2,254	1,048	3,302	293.33	4,746	3,059	7,805	469.75
Tuberculosis of meninges & CNS	3	4	7	0.62	11	8	19	1.14
Other tuberculosis, including late effects	16	11	27	2.40	37	30	67	4.03
Plague	1	-	1	0.09	-	-	-	-
Leprosy	2	-	2	0.18	2	1	3	0.18
Diphtheria	-	-	-	-	-	-	-	-
Whooping cough	-	-	-	-	-	1	1	0.06
Streptococcal sore throat	-	-	-	-	1	-	1	0.06
Meningococcal infection	-	-	-	-	3	1	4	0.24
Tetanus	13	16	29	2.58	54	37	91	5.48
Septicemia	166	116	282	25.05	793	947	1,740	104.72
All other diseases caused by bacteria	4	5	9	0.80	19	10	29	1.75
Acute poliomyelitis including late effects	2	-	2	0.18	1	1	2	0.12
Smallpox	-	-	-	-	-	-	-	-
Chickenpox	2	-	2	0.18	2	-	2	0.12
Measles	-	1	1	0.09	1	1	2	0.12
Yellow Fever	-	-	-	-	-	-	-	-
Dengue/Dengue-hemorrhagic fever	2	3	5	0.44	3	4	7	0.42
Arthropod-borne viral encephalitis including late effects	3	1	4	0.36	2	2	4	0.24
Viral hepatitis	31	19	50	4.44	57	27	84	5.06
Rabies	16	13	29	2.58	27	21	48	2.89
Other viral diseases	10	7	17	1.51	24	29	53	3.19
Malaria	14	12	26	2.31	28	16	44	2.65
Other arthropod-borne diseases	-	1	1	0.09	3	2	5	0.30
Syphilis	-	2	2	0.18	2	3	5	0.30
Gonococcal Infections	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Not Stated			
	Male	Female	Both Sexes	Rate
Cholera	-	-	-	-
Typhoid & Paratyphoid fevers	1	-	1	0.001
Other salmonella infections	-	1	1	0.001
Shigellosis and amoebiasis (Dysentery, All Forms)	1	4	5	0.007
Other food poisoning (Bacterial)	-	-	-	-
Other intestinal infectious diseases	2	-	2	0.003
Non-Specific Diarrheas	1	6	7	0.010
Tuberculosis of the respiratory system	29	13	42	0.057
Tuberculosis of meninges & CNS	-	-	-	-
Other tuberculosis, including late effects	-	-	-	-
Plague	-	-	-	-
Leprosy	-	-	-	-
Diphtheria	-	-	-	-
Whooping cough	-	-	-	-
Streptococcal sore throat	-	-	-	-
Meningococcal infection	-	-	-	-
Tetanus	-	1	1	0.001
Septicemia	4	5	9	0.012
All other diseases caused by bacteria	-	-	-	-
Acute poliomyelitis including late effects	-	-	-	-
Smallpox	-	-	-	-
Chickenpox	-	-	-	-
Measles	-	-	-	-
Yellow Fever	-	-	-	-
Dengue/Dengue-hemorrhagic fever	1	-	1	0.001
Arthropod-borne viral encephalitis including late effects	-	-	-	-
Viral hepatitis	2	1	3	0.004
Rabies	-	1	1	0.001
Other viral diseases	1	-	1	0.001
Malaria	-	1	1	0.001
Other arthropod-borne diseases	-	-	-	-
Syphilis	-	-	-	-
Gonococcal Infections	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	All Ages			
	Male	Female	Both Sexes	Rate
Schistosomiasis (B56)	134	57	191	0.26
Filariasis (B74;B72)	7	-	7	0.01
Other helminthiasis (B76-B77;B81-B82)	98	86	184	0.25
Other infectious and parasitic diseases (A59;A66;A67;A69;B35-B40;B58;B77;B83)	190	70	260	0.36
Malignant neoplasms of:				
lip, oral cavity and pharynx (C00-C14)	1,054	679	1,733	2.37
esophagus (C15)	252	139	391	0.53
stomach (C16)	807	578	1,385	1.89
small intestine including duodenum (C17)	85	57	142	0.19
colon (C18)	697	628	1,325	1.81
rectum, rectosigmoid junction and anus (C19-C21)	325	210	535	0.73
larynx (C32)	229	73	302	0.41
trachea, bronchus, lung and pleura (C33-C34)	4,167	1,366	5,533	7.56
bone and articular cartilage (C40-C41)	773	586	1,359	1.86
skin (C43-C44)	129	119	248	0.34
female breast (C50)	-	2,703	2,703	3.70
cervix uteri (C53)	-	678	678	0.93
uterus (C55)	-	561	561	0.77
placenta	-	22	22	0.03
body of uterus	-	494	494	0.68
other female genital organs (C51-C52;C56-C57)	-	650	650	0.89
prostate (C61)	850	-	850	1.16
other and unspecified sites (C22-C26;C30-C31; C37-C39;C48-C49;C62;C64-C72;C75-C80)	6,431	3,695	10,126	13.84
lymphatic tissue (C81-C83;C85;C88-C90)	469	296	765	1.05
Leukemia (C91)	954	850	1,804	2.47
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior and of unspecified nature (D00-D48)	235	249	484	0.66
Diabetes mellitus (E10-E14)	4,262	4,557	8,819	12.06
Kwashiorkor (E40)	35	26	61	0.08
Nutritional marasmus (E41)	58	48	106	0.14
Other protein calorie malnutrition (E43)	467	426	893	1.22
Other nutritional deficiencies (E44)	877	936	1,813	2.48
Goiter, thyrotoxicosis, hypothyroidism and other endocrine and metabolic disorders (E00;E04-E07;E20-E31;E34;E70-E75;E77-E78; E80;E83-E88)	1,283	1,249	2,532	3.46
Anemias (D50-D53;D55-D59; D61-D62;D64)	1,053	981	2,034	2.78
Other diseases of blood-forming organs (D66-D71;D73-D75;D77)	318	273	591	0.81

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Under 1 Year				1 - 4 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	-	-	-	-	-	-	-	-
Filariasis	-	-	-	-	-	-	-	-
Other helminthiasis	3	12	15	0.77	45	45	90	1.19
Other infectious and parasitic diseases	3	3	6	0.31	5	7	12	0.16
Malignant neoplasms of:								
lip, oral cavity and pharynx	2	-	2	0.10	-	-	-	-
esophagus	-	-	-	-	-	-	-	-
stomach	-	-	-	-	3	3	6	0.08
small intestine including duodenum	-	-	-	-	-	1	1	0.01
colon	-	-	-	-	1	-	1	0.01
rectum, rectosigmoid junction and anus	-	-	-	-	-	1	1	0.01
larynx	-	-	-	-	-	-	-	-
trachea, bronchus, lung & pleura	-	-	-	-	3	3	6	0.08
bone and articular cartilage	-	-	-	-	4	5	9	0.12
skin	1	-	1	0.05	1	-	1	0.01
female breast	-	-	-	-	-	-	-	-
cervix uteri	-	-	-	-	-	-	-	-
uterus	-	-	-	-	-	-	-	-
placenta	-	-	-	-	-	-	-	-
body of uterus	-	-	-	-	-	-	-	-
other female genital organs	-	-	-	-	-	-	-	-
prostate	-	-	-	-	-	-	-	-
other and unspecified sites	23	9	32	1.64	76	58	134	1.77
lymphatic tissue	2	-	2	0.10	9	9	18	0.24
Leukemia	21	13	34	1.74	98	58	156	2.06
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	8	5	13	0.66	2	2	4	0.05
Diabetes mellitus	3	2	5	0.26	2	3	5	0.07
Kwashiorkor	13	3	16	0.82	16	16	32	0.42
Nutritional marasmus	17	10	27	1.38	24	19	43	0.57
Other protein calorie malnutrition	108	82	190	9.71	147	114	261	3.44
Other nutritional deficiencies	83	50	133	6.80	74	59	133	1.75
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	157	106	263	13.44	148	126	274	3.61
Anemias	53	22	75	3.83	50	38	88	1.16
Other diseases of blood-forming organs	98	54	152	7.77	16	25	41	0.54

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	5-9 Years				10-14 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	1	-	1	0.01	6	3	9	0.11
Filariasis	-	-	-	-	-	-	-	-
Other helminthiasis	21	11	32	0.35	8	4	12	0.14
Other infectious and parasitic diseases	2	1	3	0.03	-	3	3	0.04
Malignant neoplasms of:				-				
lip, oral cavity and pharynx	1	-	1	0.01	4	2	6	0.07
esophagus	-	-	-	-	-	-	-	-
stomach	2	-	2	0.02	-	1	1	0.01
small intestine including duodenum	-	-	-	-	-	-	-	-
colon	-	1	1	0.01	1	-	1	0.01
rectum, rectosigmoid junction and anus	-	2	2	0.02	-	-	-	-
larynx	-	1	1	0.01	-	-	-	-
trachea, bronchus, lung & pleura	2	1	3	0.03	6	2	8	0.10
bone and articular cartilage	8	8	16	0.18	14	22	36	0.43
skin	1	-	1	0.01	-	-	-	-
female breast	-	-	-	-	-	-	-	-
cervix uteri	-	-	-	-	-	-	-	-
uterus	-	-	-	-	-	-	-	-
placenta	-	-	-	-	-	-	-	-
body of uterus	-	-	-	-	-	-	-	-
other female genital organs	-	-	-	-	-	-	-	-
prostate	-	-	-	-	-	-	-	-
other and unspecified sites	50	47	97	1.07	61	27	88	1.05
lymphatic tissue	17	9	26	0.29	23	10	33	0.39
Leukemia	102	64	166	1.83	88	56	144	1.72
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	1	2	3	0.03	2	3	5	0.06
Diabetes mellitus	7	4	11	0.12	6	6	12	0.14
Kwashiorkor	1	2	3	0.03	1	1	2	0.02
Nutritional marasmus	3	6	9	0.10	-	-	-	-
Other protein calorie malnutrition	35	30	65	0.72	13	12	25	0.30
Other nutritional deficiencies	26	14	40	0.44	6	14	20	0.24
Goiter, thyrotoxicosis, hypo-thyroidism & other endocrine & metabolic disorders	35	30	65	0.72	21	16	37	0.44
Anemias	39	21	60	0.66	34	37	71	0.85
Other diseases of blood-forming organs	22	15	37	0.41	16	16	32	0.38

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	15-19 Years				20-24 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	5	1	6	0.08	5	-	5	0.07
Filariasis	-	-	-	-	-	-	-	-
Other helminthiasis	1	2	3	0.04	-	1	1	0.01
Other infectious and parasitic diseases	9	2	11	0.14	17	2	19	0.28
Malignant neoplasms of:								
lip, oral cavity and pharynx	4	1	5	0.07	13	5	18	0.26
esophagus	4	-	4	0.05	-	-	-	-
stomach	1	1	2	0.03	3	8	11	0.16
small intestine including duodenum	1	-	1	0.01	2	2	4	0.06
colon	4	-	4	0.05	9	5	14	0.20
rectum, rectosigmoid junction and anus	1	4	5	0.07	5	4	9	0.13
larynx	-	-	-	-	-	-	-	-
trachea, bronchus, lung & pleura	13	4	17	0.22	24	7	31	0.45
bone and articular cartilage	45	28	73	0.96	35	14	49	0.72
skin	3	2	5	0.07	2	-	2	0.03
female breast	-	-	-	-	-	-	-	-
cervix uteri	-	-	-	-	-	-	-	-
uterus	-	-	-	-	-	-	-	-
placenta	-	-	-	-	-	-	-	-
body of uterus	-	-	-	-	-	-	-	-
other female genital organs	-	-	-	-	-	-	-	-
prostate	-	-	-	-	-	-	-	-
other and unspecified sites	71	41	112	1.47	89	64	153	2.23
lymphatic tissue	10	8	18	0.24	19	8	27	0.39
Leukemia	92	59	151	1.98	49	67	116	1.69
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	4	3	7	0.09	6	2	8	0.12
Diabetes mellitus	11	11	22	0.29	17	17	34	0.50
Kwashiorkor	-	-	-	-	-	-	-	-
Nutritional marasmus	2	-	2	0.03	1	1	2	0.03
Other protein calorie malnutrition	6	9	15	0.20	4	6	10	0.15
Other nutritional deficiencies	7	3	10	0.13	7	2	9	0.13
Goiter, thyrotoxicosis, hypo- thyroidism & other endocrine & metabolic disorders	27	18	45	0.59	33	22	55	0.80
Anemias	51	42	93	1.22	32	48	80	1.17
Other diseases of blood-forming organs	22	20	42	0.55	12	12	24	0.35

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	25-29 Years				30-34 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	11	1	12	0.20	10	2	12	0.23
Filariasis	1	-	1	0.02	1	-	1	0.02
Other helminthiasis	-	2	2	0.03	-	1	1	0.02
Other infectious and parasitic diseases	21	1	22	0.36	13	6	19	0.36
Malignant neoplasms of:								
lip, oral cavity and pharynx	14	3	17	0.28	24	12	36	0.68
esophagus	1	1	2	0.03	5	1	6	0.11
stomach	13	11	24	0.40	14	14	28	0.53
small intestine including duodenum	1	2	3	0.05	2	2	4	0.08
colon	7	3	10	0.16	14	9	23	0.43
rectum, rectosigmoid junction and anus	5	5	10	0.16	13	11	24	0.45
larynx	2	-	2	0.03	6	-	6	0.11
trachea, bronchus, lung & pleura	22	21	43	0.71	31	25	56	1.06
bone and articular cartilage	33	24	57	0.94	35	21	56	1.06
skin	2	2	4	0.07	2	-	2	0.04
female breast	-	-	-	-	-	91	91	1.72
cervix uteri	-	-	-	-	-	37	37	0.70
uterus	-	-	-	-	-	21	21	0.40
placenta	-	-	-	-	-	5	5	0.09
body of uterus	-	-	-	-	-	21	21	0.40
other female genital organs	-	-	-	-	-	28	28	0.53
prostate	-	-	-	-	2	-	2	0.04
other and unspecified sites	152	73	225	3.71	233	111	344	6.49
lymphatic tissue	16	9	25	0.41	22	13	35	0.66
Leukemia	54	54	108	1.78	49	50	99	1.87
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	4	7	11	0.18	7	13	20	0.38
Diabetes mellitus	26	35	61	1.01	36	34	70	1.32
Kwashiorkor	-	-	-	-	1	-	1	0.02
Nutritional marasmus	-	-	-	-	-	1	1	0.02
Other protein calorie malnutrition	5	7	12	0.20	5	6	11	0.21
Other nutritional deficiencies	3	8	11	0.18	5	9	14	0.26
Goiter, thyrotoxicosis, hypo- thyroidism & other endocrine & metabolic disorders	30	45	75	1.24	46	59	105	1.98
Anemias	31	34	65	1.07	28	55	83	1.57
Other diseases of blood-forming organs	14	13	27	0.45	11	21	32	0.60

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	35-39 Years				40-44 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	11	3	14	0.31	13	10	23	0.60
Filariasis	1	-	1	0.02	-	-	-	-
Other helminthiasis	2	2	4	0.09	2	-	2	0.05
Other infectious and parasitic diseases	27	4	31	0.68	13	4	17	0.44
Malignant neoplasms of:								
lip, oral cavity and pharynx	47	21	68	1.49	57	27	84	2.20
esophagus	6	2	8	0.18	9	8	17	0.44
stomach	26	13	39	0.86	50	30	80	2.09
small intestine including duodenum	2	-	2	0.04	1	2	3	0.08
colon	19	22	41	0.90	42	34	76	1.99
rectum, rectosigmoid junction and anus	18	8	26	0.57	8	14	22	0.58
larynx	2	2	4	0.09	8	3	11	0.29
trachea, bronchus, lung & pleura	92	43	135	2.97	156	70	226	5.91
bone and articular cartilage	36	33	69	1.52	45	32	77	2.01
skin	6	9	15	0.33	7	8	15	0.39
female breast	-	205	205	4.51	-	296	296	7.74
cervix uteri	-	53	53	1.16	-	87	87	2.28
uterus	-	56	56	1.23	-	61	61	1.60
placenta	-	4	4	0.09	-	4	4	0.10
body of uterus	-	39	39	0.86	-	57	57	1.49
other female genital organs	-	37	37	0.81	-	59	59	1.54
prostate	4	-	4	0.09	8	-	8	0.21
other and unspecified sites	401	178	579	12.73	504	213	717	18.75
lymphatic tissue	23	15	38	0.84	28	12	40	1.05
Leukemia	46	52	98	2.15	35	50	85	2.22
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	6	16	22	0.48	9	21	30	0.78
Diabetes mellitus	106	50	156	3.43	201	102	303	7.92
Kwashiorkor	-	-	-	-	1	-	1	0.03
Nutritional marasmus	-	-	-	-	1	-	1	0.03
Other protein caloric malnutrition	9	7	16	0.35	5	5	10	0.26
Other nutritional deficiencies	11	4	15	0.33	17	6	23	0.60
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	55	52	107	2.35	44	44	88	2.30
Anemias	38	45	83	1.82	36	56	92	2.41
Other diseases of blood-forming organs	16	18	34	0.75	4	14	18	0.47

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	45-49 Years				50-54 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	9	6	15	0.48	11	1	12	0.48
Filariasis	-	-	-	-	-	-	-	-
Other helminthiasis	-	1	1	0.03	1	-	1	0.04
Other infectious and parasitic diseases	16	4	20	0.64	15	11	26	1.03
Malignant neoplasms of:								
lip, oral cavity and pharynx	88	39	127	4.05	102	43	145	5.76
esophagus	19	4	23	0.73	25	14	39	1.55
stomach	60	29	89	2.84	62	43	105	4.17
small intestine including duodenum	9	4	13	0.41	10	3	13	0.52
colon	50	33	83	2.65	63	55	118	4.69
rectum, rectosigmoid junction and anus	28	14	42	1.34	32	15	47	1.87
larynx	15	2	17	0.54	26	8	34	1.35
trachea, bronchus, lung & pleura	314	104	418	13.33	506	107	613	24.35
bone and articular cartilage	69	46	115	3.67	73	65	138	5.48
skin	14	13	27	0.86	10	14	24	0.95
female breast	-	379	379	12.09	-	437	437	17.36
cervix uteri	-	116	116	3.70	-	96	96	3.81
uterus	-	78	78	2.49	-	68	68	2.70
placenta	-	5	5	0.16	-	3	3	0.12
body of uterus	-	64	64	2.04	-	61	61	2.42
other female genital organs	-	104	104	3.32	-	84	84	3.34
prostate	11	-	11	0.35	14	-	14	0.56
other and unspecified sites	662	254	916	29.22	707	331	1,038	41.23
lymphatic tissue	35	23	58	1.85	41	23	64	2.54
Leukemia	48	40	88	2.81	47	57	104	4.13
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	22	20	42	1.34	25	23	48	1.91
Diabetes mellitus	357	174	531	16.94	431	294	725	28.80
Kwashiorkor	-	1	1	0.03	1	-	1	0.04
Nutritional marasmus	-	-	-	-	-	-	-	-
Other protein calorie malnutrition	9	4	13	0.41	6	5	11	0.44
Other nutritional deficiencies	11	10	21	0.67	17	6	23	0.91
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	47	46	93	2.97	54	46	100	3.97
Anemias	42	45	87	2.77	47	38	85	3.38
Other diseases of blood-forming organs	17	10	27	0.86	9	5	14	0.56

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	55-59 Years				60-64 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	17	6	23	1.17	11	8	19	1.26
Filariasis	1	-	1	0.05	1	-	1	0.07
Other helminthiasis	1	-	1	0.05	2	1	3	0.20
Other infectious and parasitic diseases	13	3	16	0.82	4	3	7	0.46
Malignant neoplasms of:								
lip, oral cavity and pharynx	124	72	196	9.99	157	87	244	16.16
esophagus	46	11	57	2.91	35	18	53	3.51
stomach	110	52	162	8.26	109	78	187	12.38
small intestine including duodenum	9	11	20	1.02	10	5	15	0.99
colon	77	59	136	6.93	86	78	164	10.86
rectum, rectosigmoid junction and anus	41	15	56	2.86	38	27	65	4.30
larynx	28	8	36	1.84	44	9	53	3.51
trachea, bronchus, lung & pleura	661	143	804	41.00	739	198	937	62.06
bone and articular cartilage	86	61	147	7.50	80	62	142	9.40
skin	7	7	14	0.71	15	13	28	1.85
female breast	-	343	343	17.49	-	297	297	19.67
cervix uteri	-	98	98	5.00	-	57	57	3.78
uterus	-	65	65	3.31	-	51	51	3.38
placenta	-	-	-	-	-	-	-	-
body of uterus	-	55	55	2.80	-	44	44	2.91
other female genital organs	-	85	85	4.33	-	76	76	5.03
prostate	44	-	44	2.24	91	-	91	6.03
other and unspecified sites	755	357	1,112	56.70	763	438	1,201	79.54
lymphatic tissue	50	27	77	3.93	41	28	69	4.57
Leukemia	44	56	100	5.10	43	45	88	5.83
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	27	32	59	3.01	26	25	51	3.38
Diabetes mellitus	522	418	940	47.93	607	631	1,238	81.99
Kwashiorkor	-	-	-	-	-	1	1	0.07
Nutritional marasmus	-	1	1	0.05	2	1	3	0.20
Other protein calorie malnutrition	8	3	11	0.56	21	4	25	1.66
Other nutritional deficiencies	23	16	39	1.99	37	31	68	4.50
Goiter, thyrotoxicosis, hypo- thyroidism & other endocrine & metabolic disorders	59	46	105	5.35	61	48	109	7.22
Anemias	56	41	97	4.95	90	69	159	10.53
Other diseases of blood-forming organs	13	7	20	1.02	11	6	17	1.13

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	65-69 Years				70 Years & Over			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Schistosomiasis	11	7	18	1.60	13	9	22	1.32
Filariasis	-	-	-	-	2	-	2	0.12
Other helminthiasis	4	2	6	0.53	6	2	8	0.48
Other infectious and parasitic diseases	12	4	16	1.42	19	12	31	1.87
Malignant neoplasms of:								
lip, oral cavity and pharynx	129	89	218	19.37	287	275	562	33.82
esophagus	32	14	46	4.09	70	66	136	8.19
stomach	116	79	195	17.32	238	216	454	27.32
small intestine including duodenum	13	8	21	1.87	25	17	42	2.53
colon	113	79	192	17.06	211	250	461	27.75
rectum, rectosigmoid junction and anus	38	21	59	5.24	96	69	165	9.93
larynx	39	13	52	4.62	59	27	86	5.18
trachea, bronchus, lung & pleura	641	213	854	75.86	952	424	1,376	82.82
bone and articular cartilage	81	53	134	11.90	129	112	241	14.50
skin	21	18	39	3.46	36	33	69	4.15
female breast	-	223	223	19.81	-	428	428	25.76
cervix uteri	-	50	50	4.44	-	84	84	5.06
uterus	-	48	48	4.26	-	109	109	6.56
placenta	-	1	1	0.09	-	-	-	-
body of uterus	-	57	57	5.06	-	96	96	5.78
other female genital organs	-	59	59	5.24	-	118	118	7.10
prostate	118	-	118	10.48	557	-	557	33.52
other and unspecified sites	633	422	1,055	93.72	1,244	1,067	2,311	139.09
lymphatic tissue	38	38	76	6.75	95	62	157	9.45
Leukemia	32	44	76	6.75	106	84	190	11.44
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	27	22	49	4.35	59	53	112	6.74
Diabetes mellitus	593	719	1,312	116.55	1,334	2,051	3,385	203.73
Kwashiorkor	-	-	-	-	1	2	3	0.18
Nutritional marasmus	-	-	-	-	8	9	17	1.02
Other protein calorie malnutrition	6	7	13	1.15	80	124	204	12.28
Other nutritional deficiencies	28	31	59	5.24	521	672	1,193	71.80
Goiter, thyrotoxicosis, hypo- thyroidism & other endocrine & metabolic disorders	58	62	120	10.66	406	481	887	53.38
Anemias	77	58	135	11.99	349	329	678	40.81
Other diseases of blood-forming organs	5	12	17	1.51	32	25	57	3.43

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Not Stated			
	Male	Female	Both Sexes	Rate
Schistosomiasis	-	-	-	-
Filariasis	-	-	-	-
Other helminthiasis	2	-	2	0.003
Other infectious and parasitic diseases	1	-	1	0.001
Malignant neoplasms of:				
lip, oral cavity and pharynx	1	3	4	0.005
esophagus	-	-	-	-
stomach	-	-	-	-
small intestine including duodenum	-	-	-	-
colon	-	-	-	-
rectum, rectosigmoid junction and anus	2	-	2	0.003
larynx	-	-	-	-
trachea, bronchus, lung and pleura	5	1	6	0.008
bone and articular cartilage	-	-	-	-
skin	1	-	1	0.001
female breast	-	4	4	0.005
cervix uteri	-	-	-	-
uterus	-	4	4	0.005
placenta	-	-	-	-
body of uterus	-	-	-	-
other female genital organs	-	-	-	-
prostate	1	-	1	0.001
other and unspecified sites	7	5	12	0.016
lymphatic tissue	-	2	2	0.003
Leukemia	-	1	1	0.001
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior and of unspecified nature	-	-	-	-
Diabetes mellitus	3	6	9	0.012
Kwashiorkor	-	-	-	-
Nutritional marasmus	-	-	-	-
Other protein calorie malnutrition	-	1	1	0.001
Other nutritional deficiencies	1	1	2	0.003
Goiter, thyrotoxicosis, hypothyroidism and other endocrine and metabolic disorders	2	2	4	0.005
Anemias	-	3	3	0.004
Other diseases of blood-forming organs	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	25-29 Years				30-34 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Psychoses	12	6	18	0.30	13	9	22	0.42
Neurotic disorders, personality disorder & other mental disorders	45	2	47	0.77	66	3	69	1.30
Mental retardation	1	-	1	0.02	-	-	-	-
Meningitis	29	26	55	0.91	26	17	43	0.81
Epilepsy	54	36	90	1.48	54	43	97	1.83
Other diseases of nervous system	60	46	106	1.75	56	37	93	1.75
Acute rheumatic fever	2	-	2	0.03	-	1	1	0.02
Chronic rheumatic heart disease	111	145	256	4.22	79	128	207	3.91
Hypertension without heart involvement	105	31	136	2.24	186	75	261	4.92
Hypertension with heart involvement	23	14	37	0.61	45	22	67	1.26
Acute myocardial infarction	453	118	571	9.41	614	181	795	15.00
Other forms of ischaemic heart disease	56	16	72	1.19	79	38	117	2.21
Diseases of pulmonary circulation & other forms of heart disease	233	164	397	6.54	252	183	435	8.21
Cerebrovascular disease	171	82	253	4.17	229	100	329	6.21
Atherosclerosis	1	2	3	0.05	3	-	3	0.06
Other diseases of arteries, arterioles and capillaries	18	10	28	0.46	10	9	19	0.36
Venous thrombosis and embolism	1	2	3	0.05	2	1	3	0.06
Other diseases of circulatory system	10	3	13	0.21	12	5	17	0.32
Acute respiratory infections, except bronchitis and bronchiolitis	2	2	4	0.07	3	5	8	0.15
Acute bronchitis & bronchiolitis	-	1	1	0.02	2	1	3	0.06
Pneumonia	252	181	433	7.14	229	164	393	7.41
Influenza	5	5	10	0.16	1	4	5	0.09
Chronic obstructive pulmonary diseases & allied conditions	119	89	208	3.43	140	108	248	4.68
Other diseases of respiratory system	55	35	90	1.48	58	40	98	1.85
Diseases of oral cavity, salivary glands and jaws	1	-	1	0.02	1	1	2	0.04
Gastric, duodenal and peptic ulcer, sites unspecified	71	25	96	1.58	103	35	138	2.60
Appendicitis	13	2	15	0.25	16	6	22	0.42
Hernia of abdominal cavity	4	-	4	0.07	4	1	5	0.09
Chronic liver diseases & cirrhosis	66	10	76	1.25	145	26	171	3.23

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	35-39 Years				40-44 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Psychoses	16	7	23	0.51	10	10	20	0.52
Neurotic disorders, personality disorder & other mental disorders	84	1	85	1.87	102	6	108	2.82
Mental retardation	1	-	1	0.02	1	-	1	0.03
Meningitis	23	17	40	0.88	19	15	34	0.89
Epilepsy	55	24	79	1.74	40	34	74	1.94
Other diseases of nervous system	65	29	94	2.07	63	36	99	2.59
Acute rheumatic fever	3	1	4	0.09	2	1	3	0.08
Chronic rheumatic heart disease	76	137	213	4.68	63	75	138	3.61
Hypertension without heart involvement	332	127	459	10.09	498	220	718	18.78
Hypertension with heart involvement	92	30	122	2.68	149	79	228	5.96
Acute myocardial infarction	772	243	1,015	22.31	953	283	1,236	32.33
Other forms of ischaemic heart disease	103	44	147	3.23	139	50	189	4.94
Diseases of pulmonary circulation & other forms of heart disease	277	260	537	11.80	355	245	600	15.69
Cerebrovascular disease	361	141	502	11.03	524	235	759	19.85
Atherosclerosis	2	6	8	0.18	10	4	14	0.37
Other diseases of arteries, arterioles and capillaries	23	6	29	0.64	18	10	28	0.73
Venous thrombosis and embolism	3	2	5	0.11	8	3	11	0.29
Other diseases of circulatory system	9	5	14	0.31	10	5	15	0.39
Acute respiratory infections, except bronchitis and bronchiolitis	1	-	1	0.02	5	3	8	0.21
Acute bronchitis & bronchiolitis	-	2	2	0.04	2	1	3	0.08
Pneumonia	316	187	503	11.06	346	192	538	14.07
Influenza	6	5	11	0.24	4	2	6	0.16
Chronic obstructive pulmonary diseases & allied conditions	178	113	291	6.40	216	130	346	9.05
Other diseases of respiratory system	76	48	124	2.73	89	41	130	3.40
Diseases of oral cavity, salivary glands and jaws	2	1	3	0.07	3	1	4	0.10
Gastric, duodenal and peptic ulcer, sites unspecified	116	41	157	3.45	189	45	234	6.12
Appendicitis	5	6	11	0.24	9	4	13	0.34
Hernia of abdominal cavity	2	2	4	0.09	6	-	6	0.16
Chronic liver diseases & cirrhosis	250	29	279	6.13	366	45	411	10.75

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	65-69 Years				70 Years & Over			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Psychoses	7	8	15	1.33	99	163	262	15.77
Neurotic disorders, personality disorder & other mental disorders	32	10	42	3.73	59	43	102	6.14
Mental retardation	1	-	1	0.09	-	1	1	0.06
Meningitis	9	9	18	1.60	21	21	42	2.53
Epilepsy	14	2	16	1.42	12	15	27	1.63
Other diseases of nervous system	58	37	95	8.44	204	231	435	26.18
Acute rheumatic fever	2	1	3	0.27	4	1	5	0.30
Chronic rheumatic heart disease	24	25	49	4.35	50	58	108	6.50
Hypertension without heart involvement	1,449	984	2,433	216.13	3,942	4,047	7,989	480.82
Hypertension with heart involvement	454	356	810	71.96	1,318	1,503	2,821	169.78
Acute myocardial infarction	1,455	823	2,278	202.36	3,787	3,522	7,309	439.89
Other forms of ischaemic heart disease	441	305	746	66.27	2,563	3,011	5,574	335.47
Diseases of pulmonary circulation & other forms of heart disease	978	700	1,678	149.06	4,107	4,583	8,690	523.01
Cerebrovascular disease	1,281	934	2,215	196.77	4,187	4,344	8,531	513.44
Atherosclerosis	53	32	85	7.55	923	1,377	2,300	138.43
Other diseases of arteries, arterioles and capillaries	35	19	54	4.80	159	111	270	16.25
Venous thrombosis and embolism	19	9	28	2.49	58	73	131	7.88
Other diseases of circulatory system	9	4	13	1.15	26	26	52	3.13
Acute respiratory infections, except bronchitis and bronchiolitis	6	4	10	0.89	21	18	39	2.35
Acute bronchitis & bronchiolitis	4	3	7	0.62	32	13	45	2.71
Pneumonia	1,024	741	1,765	156.79	7,293	8,704	15,997	962.78
Influenza	12	6	18	1.60	61	83	144	8.67
Chronic obstructive pulmonary diseases & allied conditions	1,367	516	1,883	167.27	4,157	2,290	6,447	388.01
Other diseases of respiratory system	253	134	387	34.38	2,090	2,681	4,771	287.14
Diseases of oral cavity, salivary glands and jaws	4	2	6	0.53	1	7	8	0.48
Gastric, duodenal and peptic ulcer, sites unspecified	418	184	602	53.48	1,311	773	2,084	125.43
Appendicitis	5	-	5	0.44	22	15	37	2.23
Hernia of abdominal cavity	23	2	25	2.22	71	13	84	5.06
Chronic liver diseases & cirrhosis	344	104	448	39.80	430	232	662	39.84

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Not Stated			
	Male	Female	Both Sexes	Rate
Psychoses	2	4	6	0.008
Neurotic disorders, personality disorder & other mental disorders	1	-	1	0.001
Mental retardation	-	-	-	-
Meningitis	-	2	2	0.003
Epilepsy	1	1	2	0.003
Other diseases of nervous system	1	1	2	0.003
Acute rheumatic fever	-	-	-	-
Chronic rheumatic heart disease	1	-	1	0.001
Hypertension without heart involvement	12	10	22	0.030
Hypertension with heart involvement	7	2	9	0.012
Acute myocardial infarction	26	15	41	0.056
Other forms of ischaemic heart disease	6	14	20	0.027
Diseases of pulmonary circulation & other forms of heart disease	20	18	38	0.052
Cerebrovascular disease	23	10	33	0.045
Atherosclerosis	1	-	1	0.001
Other diseases of arteries, arterioles and capillaries	-	-	-	-
Venous thrombosis and embolism	-	-	-	-
Other diseases of circulatory system	-	-	-	-
Acute respiratory infections, except bronchitis and bronchiolitis	2	-	2	0.003
Acute bronchitis & bronchiolitis	-	1	1	0.001
Pneumonia	38	30	68	0.093
Influenza	-	-	-	-
Chronic obstructive pulmonary diseases & allied conditions	15	7	22	0.030
Other diseases of respiratory system	3	5	8	0.011
Diseases of oral cavity, salivary glands and jaws	-	-	-	-
Gastric, duodenal and peptic ulcer, sites unspecified	4	1	5	0.007
Appendicitis	1	1	2	0.003
Hernia of abdominal cavity	-	-	-	-
Chronic liver diseases & cirrhosis	2	-	2	0.003

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	All Ages			
	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract (K80-K83)	212	196	408	0.558
Other diseases of digestive system (K20-K23;K28-K31;K72 K73;K50-K52;K55-K63;K65-K67;K85-K86;K90)	4,322	1,546	5,868	8.022
Nephritis, nephrotic syndrome and nephrosis (N00-N05;N17 N19;N25;N27)	4,417	3,036	7,453	10.189
Infection of kidney (N15.9)	332	277	609	0.833
Calculus of kidney, ureter and lower urinary tract (N20-N22)	161	84	245	0.335
Hyperplasia of prostate (N40)	180	-	180	0.246
Other diseases of genito-urinary system (N28-N30;N32-N36; N41;N43;N45-N48;N50;N60-N64;N70-N71;N73-N77;N80-N83; N85-N95;N97)	661	645	1,306	1.785
Pregnancy with abortive outcome (O00-O08)	-	144	144	0.197
Hemorrhages related to pregnancy (O20;O44-O47)	-	121	121	0.165
Hypertension complicating pregnancy, childbirth and puerperium (O10;O15-O16)	-	425	425	0.581
Postpartum hemorrhage (O72)	-	286	286	0.391
Normal delivery and other complications related to pregnancy occurring in the course of labor and puerperium (O21;O23-O25; O30;O32-O36;O40-O42;O47-O48;O62-O66;O69-O71; O73-O75;O80-O82;O84-O92;O98-O99)	-	603	603	0.824
Diseases of the skin and subcutaneous tissues (L00-L99)	469	529	998	1.364
Arthropathies, dorsopathies and rheumatism (M00;M05-M06; M08-M12;M14-M19;M22-M25;M30;M32-M34;M45-M51; M53-M54;M60-M63;M65;M68;M71;M76;M79)	461	389	850	1.162
Osteopathies, chonoropathies and acquired musculoskeletal deformities (M80-M94)	86	50	136	0.186
Congenital Anomalies (Q00-Q99)	2,475	2,030	4,505	6.159
Birth trauma (P10-P15)	23	19	42	0.057
Birth injury and difficult labor (P20-P21;P50-P51)	909	603	1,512	2.067
Respiratory conditions of fetus and newborn (P22-P28;P35-P39)	3,515	2,200	5,715	7.813
Hemolytic diseases of fetus and newborn (P55-P57;P61; P58-P59)	84	44	128	0.175
Hematological disorders of fetus and newborn (P53;P60)	44	23	67	0.092
Other causes of perinatal morbidity and mortality (P80-P83;P90-P96)	3,724	2,594	6,318	8.637

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Under 1 Year				1-4 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	6	7	13	0.66	2	2	4	0.05
Other diseases of digestive system	134	76	210	10.73	119	87	206	2.71
Nephritis, nephrotic syndrome and nephrosis	19	12	31	1.58	71	49	120	1.58
Infection of kidney	-	3	3	0.15	2	2	4	0.05
Calculus of kidney, ureter and lower urinary tract	-	-	-	-	1	-	1	0.01
Hyperplasia of prostate	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	8	4	12	0.61	17	9	26	0.34
Pregnancy with abortive outcome	-	-	-	-	-	-	-	-
Hemorrhages related to pregnancy	-	-	-	-	-	-	-	-
Hypertension complicating pregnancy, childbirth and puerperium	-	-	-	-	-	-	-	-
Postpartum hemorrhage	-	-	-	-	-	-	-	-
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	-	-	-	-	-	-	-
Diseases of the skin and subcutaneous tissues	32	24	56	2.86	18	12	30	0.40
Arthropathies, dorsopathies and rheumatism	3	2	5	0.26	-	1	1	0.01
Osteopathies, chonoropathies and acquired musculoskeletal deformities	-	-	-	-	2	1	3	0.04
Congenital Anomalies	1,775	1,393	3,168	161.93	330	291	621	8.18
Birth trauma	23	19	42	2.15	-	-	-	-
Birth injury and difficult labor	909	603	1,512	77.29	-	-	-	-
Respiratory conditions of fetus and newborn	3,515	2,200	5,715	292.12	-	-	-	-
Hemolytic diseases of fetus and newborn	84	44	128	6.54	-	-	-	-
Hematological disorders of fetus and newborn	44	23	67	3.42	-	-	-	-
Other causes of perinatal morbidity and mortality	3,724	2,594	6,318	322.95	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	5-9 Years				10-14 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	1	-	1	0.01	-	2	2	0.02
Other diseases of digestive system	53	40	93	1.02	53	23	76	0.91
Nephritis, nephrotic syndrome and nephrosis	62	46	108	1.19	55	46	101	1.20
Infection of kidney	2	2	4	0.04	2	6	8	0.10
Calculus of kidney, ureter and lower urinary tract	-	-	-	-	2	-	2	0.02
Hyperplasia of prostate	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	4	3	7	0.08	6	2	8	0.10
Pregnancy with abortive outcome	-	-	-	-	-	-	-	-
Hemorrhages related to pregnancy	-	-	-	-	-	-	-	-
Hypertension complicating pregnancy, childbirth and puerperium	-	-	-	-	-	-	-	-
Postpartum hemorrhage	-	-	-	-	-	-	-	-
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	-	-	-	-	-	-	-
Diseases of the skin and subcutaneous tissues	9	9	18	0.20	8	11	19	0.23
Arthropathies, dorsopathies and rheumatism	1	5	6	0.07	3	5	8	0.10
Osteopathies, chonoropathies and acquired musculoskeletal deformities	1	1	2	0.02	3	2	5	0.06
Congenital Anomalies	128	100	228	2.51	85	76	161	1.92
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	15-19 Years				20-24 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	4	5	9	0.12	7	6	13	0.19
Other diseases of digestive system	96	28	124	1.62	292	47	339	4.95
Nephritis, nephrotic syndrome and nephrosis	100	81	181	2.37	165	115	280	4.09
Infection of kidney	6	3	9	0.12	3	8	11	0.16
Calculus of kidney, ureter and lower urinary tract	1	-	1	0.01	3	4	7	0.10
Hyperplasia of prostate	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	9	22	31	0.41	12	25	37	0.54
Pregnancy with abortive outcome	-	5	5	0.07	-	33	33	0.48
Hemorrhages related to pregnancy	-	1	1	0.01	-	14	14	0.20
Hypertension complicating pregnancy, childbirth and puerperium	-	33	33	0.43	-	85	85	1.24
Postpartum hemorrhage	-	27	27	0.35	-	52	52	0.76
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	33	33	0.43	-	107	107	1.56
Diseases of the skin and subcutaneous tissues	17	14	31	0.41	10	29	39	0.57
Arthropathies, dorsopathies and rheumatism	2	12	14	0.18	4	16	20	0.29
Osteopathies, chonoropathies and acquired musculoskeletal deformities	5	-	5	0.07	3	-	3	0.04
Congenital Anomalies	52	42	94	1.23	29	31	60	0.88
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	25-29 Years				30-34 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	10	4	14	0.23	10	4	14	0.26
Other diseases of digestive system	462	60	522	8.60	430	45	475	8.96
Nephritis, nephrotic syndrome and nephrosis	191	120	311	5.13	198	136	334	6.30
Infection of kidney	14	10	24	0.40	10	9	19	0.36
Calculus of kidney, ureter and lower urinary tract	5	2	7	0.12	5	4	9	0.17
Hyperplasia of prostate	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	25	23	48	0.79	13	26	39	0.74
Pregnancy with abortive outcome	-	29	29	0.48	-	25	25	0.47
Hemorrhages related to pregnancy	-	18	18	0.30	-	29	29	0.55
Hypertension complicating pregnancy, childbirth and puerperium	-	89	89	1.47	-	81	81	1.53
Postpartum hemorrhage	-	65	65	1.07	-	57	57	1.08
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	130	130	2.14	-	133	133	2.51
Diseases of the skin and subcutaneous tissues	14	19	33	0.54	9	15	24	0.45
Arthropathies, dorsopathies and rheumatism	2	17	19	0.31	8	10	18	0.34
Osteopathies, chonoropathies and acquired musculoskeletal deformities	7	1	8	0.13	2	-	2	0.04
Congenital Anomalies	13	25	38	0.63	10	18	28	0.53
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	35-39 Years				40-44 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	11	9	20	0.44	19	7	26	0.68
Other diseases of digestive system	342	81	423	9.30	303	67	370	9.68
Nephritis, nephrotic syndrome and nephrosis	244	152	396	8.70	260	200	460	12.03
Infection of kidney	11	14	25	0.55	21	14	35	0.92
Calculus of kidney, ureter and lower urinary tract	6	1	7	0.15	11	6	17	0.44
Hyperplasia of prostate	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	23	36	59	1.30	27	26	53	1.39
Pregnancy with abortive outcome	-	25	25	0.55	-	16	16	0.42
Hemorrhages related to pregnancy	-	44	44	0.97	-	13	13	0.34
Hypertension complicating pregnancy, childbirth and puerperium	-	78	78	1.71	-	55	55	1.44
Postpartum hemorrhage	-	59	59	1.30	-	23	23	0.60
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	135	135	2.97	-	57	57	1.49
Diseases of the skin and subcutaneous tissues	18	20	38	0.84	18	14	32	0.84
Arthropathies, dorsopathies and rheumatism	4	12	16	0.35	3	11	14	0.37
Osteopathies, chonoropathies and acquired musculoskeletal deformities	5	4	9	0.20	3	1	4	0.10
Congenital Anomalies	10	14	24	0.53	8	12	20	0.52
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	45-49 Years				50-54 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	20	12	32	1.02	18	16	34	1.35
Other diseases of digestive system	329	76	405	12.92	313	60	373	14.82
Nephritis, nephrotic syndrome and nephrosis	271	199	470	14.99	337	190	527	20.93
Infection of kidney	21	16	37	1.18	22	19	41	1.63
Calculus of kidney, ureter and lower urinary tract	17	11	28	0.89	10	8	18	0.72
Hyperplasia of prostate	-	-	-	-	-	-	-	-
Other diseases of genito-urinary system	34	35	69	2.20	54	44	98	3.89
Pregnancy with abortive outcome	-	10	10	0.32	-	1	1	0.04
Hemorrhages related to pregnancy	-	2	2	0.06	-	-	-	-
Hypertension complicating pregnancy, childbirth and puerperium	-	4	4	0.13	-	-	-	-
Postpartum hemorrhage	-	3	3	0.10	-	-	-	-
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	7	7	0.22	-	1	1	0.04
Diseases of the skin and subcutaneous tissues	22	13	35	1.12	19	22	41	1.63
Arthropathies, dorsopathies and rheumatism	10	14	24	0.77	12	6	18	0.72
Osteopathies, chonoropathies and acquired musculoskeletal deformities	10	3	13	0.41	6	4	10	0.40
Congenital Anomalies	4	6	10	0.32	4	3	7	0.28
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	55-59 Years				60-64 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	14	19	33	1.68	16	13	29	1.92
Other diseases of digestive system	264	90	354	18.05	267	114	381	25.23
Nephritis, nephrotic syndrome and nephrosis	316	217	533	27.18	437	259	696	46.10
Infection of kidney	33	25	58	2.96	32	30	62	4.11
Calculus of kidney, ureter and lower urinary tract	13	3	16	0.82	21	10	31	2.05
Hyperplasia of prostate	5	-	5	0.25	7	-	7	0.46
Other diseases of genito-urinary system	38	36	74	3.77	49	42	91	6.03
Pregnancy with abortive outcome	-	-	-	-	-	-	-	-
Hemorrhages related to pregnancy	-	-	-	-	-	-	-	-
Hypertension complicating pregnancy, childbirth and puerperium	-	-	-	-	-	-	-	-
Postpartum hemorrhage	-	-	-	-	-	-	-	-
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	-	-	-	-	-	-	-
Diseases of the skin and subcutaneous tissues	23	26	49	2.50	26	24	50	3.31
Arthropathies, dorsopathies and rheumatism	22	10	32	1.63	42	19	61	4.04
Osteopathies, chonoropathies and acquired musculoskeletal deformities	7	5	12	0.61	3	5	8	0.53
Congenital Anomalies	9	2	11	0.56	4	1	5	0.33
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	65-69 Years				70 Years & Over			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	21	21	42	3.73	53	68	121	7.28
Other diseases of digestive system	246	132	378	33.58	609	518	1,127	67.83
Nephritis, nephrotic syndrome and nephrosis	445	265	710	63.07	1,243	946	2,189	131.75
Infection of kidney	28	24	52	4.62	125	91	216	13.00
Calculus of kidney, ureter and lower urinary tract	17	7	24	2.13	48	28	76	4.57
Hyperplasia of prostate	24	-	24	2.13	144	-	144	8.67
Other diseases of genito-urinary system	58	61	119	10.57	283	250	533	32.08
Pregnancy with abortive outcome	-	-	-	-	-	-	-	-
Hemorrhages related to pregnancy	-	-	-	-	-	-	-	-
Hypertension complicating pregnancy, childbirth and puerperium	-	-	-	-	-	-	-	-
Postpartum hemorrhage	-	-	-	-	-	-	-	-
Normal delivery and other complication related to pregnancy, occurring in the course of labor delivery & puerperium	-	-	-	-	-	-	-	-
Diseases of the skin and subcutaneous tissues	44	27	71	6.31	182	250	432	26.00
Arthropathies, dorsopathies and rheumatism	48	19	67	5.95	297	230	527	31.72
Osteopathies, chonoropathies and acquired musculoskeletal deformities	6	3	9	0.80	23	20	43	2.59
Congenital Anomalies	1	4	5	0.44	10	10	20	1.20
Birth trauma	-	-	-	-	-	-	-	-
Birth injury and difficult labor	-	-	-	-	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Not Stated			
	Male	Female	Both Sexes	Rate
Cholelithiasis and other disorders of the biliary tract	-	1	1	0.001
Other diseases of digestive system	10	2	12	0.016
Nephritis, nephrotic syndrome and nephrosis	3	3	6	0.008
Infection of kidney	-	1	1	0.001
Calculus of kidney, ureter and lower urinary tract	1	-	1	0.001
Hyperplasia of prostate	-	-	-	-
Other diseases of genito-urinary system	1	1	2	0.003
Pregnancy with abortive outcome	-	-	-	-
Hemorrhages related to pregnancy	-	-	-	-
Hypertension complicating pregnancy, childbirth and puerperium	-	-	-	-
Postpartum hemorrhage	-	-	-	-
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	-	-	-	-
Diseases of the skin and subcutaneous tissues	-	-	-	-
Arthropathies, dorsopathies and rheumatism	-	-	-	-
Osteopathies, chonoropathies and acquired musculoskeletal deformities	-	-	-	-
Congenital Anomalies	3	2	5	0.007
Birth trauma	-	-	-	-
Birth injury and difficult labor	-	-	-	-
Respiratory conditions of fetus and newborn	-	-	-	-
Hemolytic diseases of fetus and newborn	-	-	-	-
Hematological disorders of fetus and newborn	-	-	-	-
Other causes of perinatal morbidity and mortality	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	All Ages			
	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality (R99)	9,800	9,148	18,948	25.90
Accidental exposure to unspecified factors (X59)	-	-	-	-
Accidental poisoning, all kinds (X40-X49)	133	46	179	0.24
Railway accidents (V81)	25	4	29	0.04
Motor vehicle traffic accidents (V20-V79; V82; V87)	3,673	1,345	5,018	6.86
Water and transport accidents (V90-V94)	166	36	202	0.28
Air & space transport accidents (V95-V97)	73	45	118	0.16
Other transport accidents (V98-V99)	120	34	154	0.21
Accidental falls (W00-W19)	776	282	1,058	1.45
Accidents caused by fires and flames (X00-X09)	41	31	72	0.10
Accidents due to natural and environmental (X30-X39)	482	189	671	0.92
Accidents caused by submersion, suffocation and foreign bodies (W44-W45; W65-W74; W75-W84)	1,705	663	2,368	3.24
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological effects accidental injury (W20-W49; Y40-Y89)	1,082	205	1,287	1.76
Suicide & self-inflicted injury (X60-X84)	666	219	885	1.21
Legal intervention (Y35)	139	10	149	0.20
Homicide and injury purposely inflicted by other persons (X85-Y09)	10,370	870	11,240	15.37
Injury undetermined whether accidentally or purposely inflicted (Y10-Y34)	4,709	1,735	6,444	8.81
Injury resulting from operations of war (Y36)	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Under 1 Year				1-4 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	112	71	183	9.35	379	276	655	8.63
Accidental exposure to unspecified factors	-	-	-	-	-	-	-	-
Accidental poisoning, all kinds	4	1	5	0.26	13	11	24	0.32
Railway accidents	-	-	-	-	-	-	-	-
Motor vehicle traffic accidents	10	12	22	1.12	92	68	160	2.11
Water and transport accidents	-	-	-	-	6	6	12	0.16
Air & space transport accidents	-	-	-	-	2	2	4	0.05
Other transport accidents	-	-	-	-	1	1	2	0.03
Accidental falls	18	5	23	1.18	27	13	40	0.53
Accidents caused by fires & flames	1	1	2	0.10	6	2	8	0.11
Accidents due to natural and environmental	6	3	9	0.46	21	16	37	0.49
Accidents caused by submersion, suffocation & foreign bodies	32	20	52	2.66	285	165	450	5.93
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	2	3	5	0.26	33	18	51	0.67
Suicide and self-inflicted injury	-	-	-	-	-	-	-	-
Legal intervention	-	-	-	-	2	-	2	0.03
Homicide and injury purposely inflicted by other persons	7	4	11	0.56	27	11	38	0.50
Injury undetermined whether accidentally or purposely inflicted	71	54	125	6.39	164	113	277	3.65
Injury resulting from operations of war	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	25-29 Years				30-34 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	304	216	520	8.57	312	128	440	8.30
Accidental exposure to unspecified factors	-	-	-	-	-	-	-	-
Accidental poisoning, all kinds	10	2	12	0.20	10	1	11	0.21
Railway accidents	4	-	4	0.07	3	-	3	0.06
Motor vehicle traffic accidents	379	75	454	7.48	378	59	437	8.24
Water and transport accidents	17	2	19	0.31	11	2	13	0.25
Air & space transport accidents	9	10	19	0.31	8	6	14	0.26
Other transport accidents	16	1	17	0.28	13	3	16	0.30
Accidental falls	52	2	54	0.89	50	3	53	1.00
Accidents caused by fires & flames	1	1	2	0.03	1	1	2	0.04
Accidents due to natural and environmental	28	10	38	0.63	47	9	56	1.06
Accidents caused by submersion, suffocation & foreign bodies	90	21	111	1.83	69	19	88	1.66
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	141	9	150	2.47	148	13	161	3.04
Suicide and self-inflicted injury	119	34	153	2.52	79	18	97	1.83
Legal intervention	21	2	23	0.38	22	1	23	0.43
Homicide and injury purposely inflicted by other persons	1,628	96	1,724	28.41	1,583	101	1,684	31.77
Injury undetermined whether accidentally or purposely inflicted	494	91	585	9.64	429	90	519	9.79
Injury resulting from operations of war	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	35-39 Years				40-44 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	337	127	464	10.20	319	156	475	12.42
Accidental exposure to unspecified factors	-	-	-	-	-	-	-	-
Accidental poisoning, all kinds	15	2	17	0.37	4	3	7	0.18
Railway accidents	2	1	3	0.07	2	-	2	0.05
Motor vehicle traffic accidents	320	52	372	8.18	299	87	386	10.10
Water and transport accidents	19	1	20	0.44	11	2	13	0.34
Air & space transport accidents	10	6	16	0.35	8	3	11	0.29
Other transport accidents	9	3	12	0.26	6	3	9	0.24
Accidental falls	49	4	53	1.16	48	5	53	1.39
Accidents caused by fires & flames	2	2	4	0.09	1	-	1	0.03
Accidents due to natural and environmental	27	12	39	0.86	30	4	34	0.89
Accidents caused by submersion, suffocation & foreign bodies	71	9	80	1.76	69	12	81	2.12
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	106	18	124	2.73	87	16	103	2.69
Suicide and self-inflicted injury	68	11	79	1.74	49	11	60	1.57
Legal intervention	26	-	26	0.57	16	-	16	0.42
Homicide and injury purposely inflicted by other persons	1,531	95	1,626	35.74	1,215	75	1,290	33.74
Injury undetermined whether accidentally or purposely inflicted	436	87	523	11.50	351	81	432	11.30
Injury resulting from operations of war	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	45-49 Years				50-54 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	366	142	508	16.20	381	142	523	20.78
Accidental exposure to unspecified factors	-	-	-	-	-	-	-	-
Accidental poisoning, all kinds	9	2	11	0.35	7	-	7	0.28
Railway accidents	5	-	5	0.16	2	-	2	0.08
Motor vehicle traffic accidents	297	72	369	11.77	183	85	268	10.65
Water and transport accidents	13	1	14	0.45	10	-	10	0.40
Air & space transport accidents	10	2	12	0.38	1	2	3	0.12
Other transport accidents	9	2	11	0.35	9	-	9	0.36
Accidental falls	36	8	44	1.40	47	11	58	2.30
Accidents caused by fires & flames	2	1	3	0.10	-	-	-	-
Accidents due to natural and environmental	29	9	38	1.21	20	8	28	1.11
Accidents caused by submersion, suffocation & foreign bodies	54	11	65	2.07	37	10	47	1.87
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	66	8	74	2.36	46	15	61	2.42
Suicide and self-inflicted injury	34	11	45	1.44	24	11	35	1.39
Legal intervention	8	1	9	0.29	7	1	8	0.32
Homicide and injury purposely inflicted by other persons	902	70	972	31.00	565	58	623	24.75
Injury undetermined whether accidentally or purposely inflicted	347	77	424	13.52	237	61	298	11.84
Injury resulting from operations of war	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	55-59 Years				60-64 Years			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	416	194	610	31.10	449	248	697	46.16
Accidental exposure to unspecified factors	-	-	-	-	-	-	-	-
Accidental poisoning, all kinds	12	3	15	0.76	8	-	8	0.53
Railway accidents	1	-	1	0.05	-	-	-	-
Motor vehicle traffic accidents	150	72	222	11.32	113	85	198	13.11
Water and transport accidents	9	1	10	0.51	4	2	6	0.40
Air & space transport accidents	3	2	5	0.25	1	1	2	0.13
Other transport accidents	1	2	3	0.15	3	1	4	0.26
Accidental falls	69	14	83	4.23	52	14	66	4.37
Accidents caused by fires & flames	1	-	1	0.05	1	-	1	0.07
Accidents due to natural and environmental	15	2	17	0.87	26	6	32	2.12
Accidents caused by submersion, suffocation & foreign bodies	38	12	50	2.55	22	11	33	2.19
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	27	5	32	1.63	30	6	36	2.38
Suicide and self-inflicted injury	23	9	32	1.63	26	7	33	2.19
Legal intervention	4	-	4	0.20	1	-	1	0.07
Homicide and injury purposely inflicted by other persons	357	49	406	20.70	224	30	254	16.82
Injury undetermined whether accidentally or purposely inflicted	254	68	322	16.42	201	86	287	19.01
Injury resulting from operations of war	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	65-69 Years				70 Years & Over			
	Male	Female	Both Sexes	Rate	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	516	317	833	74.00	5,174	6,514	11,688	703.45
Accidental exposure to unspecified factors	-	-	-	-	-	-	-	-
Accidental poisoning, all kinds	2	1	3	0.27	7	6	13	0.78
Railway accidents	-	-	-	-	1	-	1	0.06
Motor vehicle traffic accidents	91	69	160	14.21	182	181	363	21.85
Water and transport accidents	5	-	5	0.44	10	5	15	0.90
Air & space transport accidents	1	-	1	0.09	-	1	1	0.06
Other transport accidents	4	2	6	0.53	7	4	11	0.66
Accidental falls	50	16	66	5.86	122	135	257	15.47
Accidents caused by fires & flames	1	1	2	0.18	5	5	10	0.60
Accidents due to natural and environmental	15	6	21	1.87	29	17	46	2.77
Accidents caused by submersion, suffocation & foreign bodies	22	11	33	2.93	56	26	82	4.94
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	19	5	24	2.13	20	27	47	2.83
Suicide and self-inflicted injury	12	3	15	1.33	26	6	32	1.93
Legal intervention	1	1	2	0.18	1	1	2	0.12
Homicide and injury purposely inflicted by other persons	129	28	157	13.95	134	53	187	11.25
Injury undetermined whether accidentally or purposely inflicted	135	89	224	19.90	408	437	845	50.86
Injury resulting from operations of war	-	-	-	-	-	-	-	-

Table 24

Mortality: 150 Cause-Groups By Age & Sex
No. & Rate/100,000 Population
Philippines, 1998

Cause	Not Stated			
	Male	Female	Both Sexes	Rate
Other ill-defined causes of mortality	48	37	85	0.116
Accidental exposure to unspecified factors	-	-	-	-
Accidental poisoning, all kinds	-	-	-	-
Railway accidents	-	-	-	-
Motor vehicle traffic accidents	13	4	17	0.023
Water and transport accidents	1	-	1	0.001
Air & space transport accidents	1	-	1	0.001
Other transport accidents	1	-	1	0.001
Accidental falls	3	1	4	0.005
Accidents caused by fires & flames	10	9	19	0.026
Accidents due to natural and environmental	1	-	1	0.001
Accidents caused by submersion, suffocation & foreign bodies	3	-	3	0.004
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	-	1	1	0.001
Suicide and self-inflicted injury	1	1	2	0.003
Legal intervention	3	-	3	0.004
Homicide and injury purposely inflicted by other persons	38	1	39	0.053
Injury undetermined whether accidentally or purposely injury	20	4	24	0.033
Injury resulting from operations of war	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	CHOLERA		TYPHOID & PARATYPHOID FEVER		OTHER SALMONELLA INFECTIONS		AMOEBIASIS & OTHER DYSENTERY ALL FORMS	
	(A00)		(A01)		(A02)		(A04, A06)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	85	0.12	1,120	1.53	14	0.02	365	0.50
NCR	8	0.08	206	2.06	2	0.02	31	0.31
City of Manila	-	-	37	2.32	-	-	5	0.31
Manila, 2nd District	-	-	-	-	-	-	-	-
Mandaluyong City	-	-	4	1.37	-	-	2	0.69
Pasig City	1	0.20	7	1.38	-	-	2	0.39
Quezon City	2	0.10	26	1.25	1	0.05	4	0.19
Marikina	-	-	4	1.03	-	-	2	0.52
Manila, 3rd District	-	-	53	4.83	-	-	4	0.36
Kalookan City	3	0.27	34	3.03	-	-	4	0.36
Manila, 4th District	2	0.14	26	1.87	-	-	7	0.50
Makati City	-	-	9	1.84	-	-	1	0.20
Pasay City	-	-	6	1.44	1	0.24	-	-
C.A.R.	6	0.45	6	0.45	-	-	8	0.60
Abra	-	-	2	0.98	-	-	-	-
Apayao	-	-	-	-	-	-	-	-
Benguet	-	-	1	0.30	-	-	4	1.21
Ifugao	5	3.13	1	0.63	-	-	-	-
Kalinga	1	0.61	1	0.61	-	-	1	0.61
Mt. Province	-	-	1	0.73	-	-	-	-
Baguio City	-	-	-	-	-	-	3	1.16
Region 1	6	0.15	115	2.87	2	0.05	22	0.55
Ilocos Norte	-	-	10	2.44	-	-	4	0.98
Ilocos Sur	1	0.18	17	3.00	-	-	-	-
La Union	-	-	20	3.17	2	0.32	1	0.16
Pangasinan	3	0.15	57	2.81	-	-	15	0.74
Dagupan City	1	0.76	6	4.55	-	-	-	-
Laoag City	1	1.08	1	1.08	-	-	1	1.08
San Carlos City	-	-	4	2.82	-	-	1	0.71
Region 2	4	0.15	29	1.07	-	-	8	0.30
Batanes	-	-	-	-	-	-	-	-
Cagayan	3	0.32	10	1.06	-	-	1	0.11
Isabela	1	0.09	7	0.62	-	-	3	0.26
Nueva Vizcaya	-	-	2	0.56	-	-	1	0.28
Quirino	-	-	3	2.11	-	-	3	2.11
Santiago City	-	-	7	6.58	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	CHOLERA		TYPHOID & PARATYPHOID FEVER		OTHER SALMONELLA INFECTIONS		AMOEBIASIS & OTHER DYSENTERY ALL FORMS	
	(A00)		(A01)		(A02)		(A04, A06)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	7	0.09	66	0.89	-	-	23	0.31
Bataan	1	0.19	5	0.95	-	-	2	0.38
Bulacan	4	0.21	19	0.99	-	-	4	0.21
Nueva Ecija	-	-	16	1.29	-	-	3	0.24
Pampanga	1	0.07	6	0.40	-	-	6	0.40
Tarlac	1	0.10	11	1.10	-	-	4	0.40
Zambales	-	-	5	1.20	-	-	3	0.72
Angeles City	-	-	1	0.40	-	-	1	0.40
Cabanatuan City	-	-	1	0.47	-	-	-	-
Olangapo City	-	-	1	0.55	-	-	-	-
Palayan City	-	-	-	-	-	-	-	-
San Jose City	-	-	1	0.97	-	-	-	-
Region 4	9	0.08	133	1.24	2	0.02	40	0.37
Aurora	-	-	1	0.58	-	-	1	0.58
Batangas	2	0.15	15	1.13	-	-	5	0.38
Cavite	-	-	14	0.87	2	0.12	3	0.19
Laguna	3	0.19	20	1.26	-	-	3	0.19
Marinduque	-	-	8	3.89	-	-	2	0.97
Mindoro Occidental	1	0.28	7	1.94	-	-	-	-
Mindoro Oriental	1	0.15	7	1.08	-	-	3	0.46
Palawan	-	-	1	0.18	-	-	4	0.73
Quezon	-	-	14	0.97	-	-	6	0.42
Rizal	-	-	21	1.38	-	-	6	0.39
Romblon	-	-	10	3.93	-	-	4	1.57
Batangas City	1	0.45	2	0.90	-	-	-	-
Cavite City	1	1.10	3	3.29	-	-	2	2.19
Lipa City	-	-	4	2.14	-	-	-	-
Lucena City	-	-	2	1.03	-	-	-	-
Puerto Princessa City	-	-	2	1.38	-	-	1	0.69
San Pablo City	-	-	2	1.03	-	-	-	-
Tagaytay City	-	-	-	-	-	-	-	-
Trece Martires City	-	-	-	-	-	-	-	-
Region 5	1	0.02	71	1.55	3	0.07	19	0.42
Albay	-	-	12	1.32	-	-	2	0.22
Camarines Norte	1	0.21	5	1.05	-	-	2	0.42
Camarines Sur	-	-	12	0.92	-	-	4	0.31
Catanduanes	-	-	4	1.86	-	-	4	1.86
Masbate	-	-	21	3.11	2	0.30	2	0.30
Sorsogon	-	-	9	1.46	1	0.16	5	0.81
Iriga City	-	-	1	1.20	-	-	-	-
Legaspi City	-	-	5	3.25	-	-	-	-
Naga City	-	-	2	1.46	-	-	-	-

Table 25

SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998

AREA	CHOLERA (A00)		TYPHOID & PARATYPHOID FEVER (A01)		OTHER SALMONELLA INFECTIONS (A02)		AMOEBIASIS & OTHER DYSENTERY ALL FORMS (A04, A06)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	1	0.05	11	0.52	-	-	-	-
Lanao Del Sur	-	-	4	0.66	-	-	-	-
Maguindanao	1	0.14	6	0.85	-	-	-	-
Sulu	-	-	-	-	-	-	-	-
Tawi-Tawi	-	-	1	0.39	-	-	-	-
Caraga	1	0.05	27	1.30	1	0.05	14	0.67
Agusan Del Norte	-	-	1	0.35	-	-	5	1.77
Agusan Del Sur	1	0.17	6	1.04	-	-	2	0.35
Surigao Del Norte	-	-	8	2.27	1	0.28	2	0.57
Surigao Del Sur	-	-	7	1.41	-	-	2	0.40
Butuan City	-	-	2	0.76	-	-	3	1.14
Surigao City	-	-	3	2.66	-	-	-	-

* population unknown

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ENTERITIS & OTHER DIARRHEAL DISEASES		TB RESPIRATORY		TB MENINGITIS		TB OTHER FORMS	
	(A09)		(A15)		(A17.0*, G01*)		(A17-A19)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	5,035	6.88	26,974	36.88	665	0.91	402	0.55
NCR	764	7.64	3,808	38.08	163	1.63	47	0.47
City of Manila	130	8.14	975	61.02	49	3.07	12	0.75
Manila, 2nd District	4	0.64	44	7.05	-	-	-	-
Mandaluyong City	11	3.77	110	37.74	3	1.03	1	0.34
Pasig City	33	6.50	172	33.90	10	1.97	3	0.59
Quezon City	127	6.11	575	27.64	22	1.06	12	0.58
Marikina City	14	3.61	135	34.83	7	1.81	2	0.52
Manila, 3rd District	147	13.41	411	37.49	22	2.01	4	0.36
Kalookan City	123	10.95	457	40.68	19	1.69	4	0.36
Manila, 4th District	145	10.44	574	41.32	22	1.58	8	0.58
Makati City	16	3.28	168	34.43	6	1.23	1	0.20
Pasay City	14	3.37	187	45.01	3	0.72	-	-
C.A.R.	89	6.63	223	16.62	6	0.45	9	0.67
Abra	6	2.94	77	37.74	-	-	2	0.98
Apayao	5	5.61	13	14.57	-	-	-	-
Benguet	18	5.46	41	12.45	2	0.61	1	0.30
Ifugao	23	14.39	26	16.27	-	-	1	0.63
Kalinga	16	9.76	21	12.82	1	0.61	1	0.61
Mt. Province	18	13.08	13	9.45	-	-	1	0.73
Baguio City	3	1.16	32	12.40	3	1.16	3	1.16
Region 1	374	9.34	1,885	47.07	23	0.57	23	0.57
Ilocos Norte	29	7.07	150	36.58	2	0.49	5	1.22
Ilocos Sur	29	5.12	239	42.20	5	0.88	3	0.53
La Union	52	8.24	304	48.18	9	1.43	6	0.95
Pangasinan	214	10.54	1,025	50.46	6	0.30	9	0.44
Dagupan City	27	20.47	55	41.70	-	-	-	-
Laoag City	8	8.66	28	30.30	-	-	-	-
San Carlos City	15	10.59	84	59.30	1	0.71	-	-
Region 2	294	10.89	923	34.20	20	0.74	10	0.37
Batanes	-	-	6	40.85	-	-	-	-
Cagayan	156	16.54	408	43.25	7	0.74	4	0.42
Isabela	90	7.93	404	35.62	6	0.53	4	0.35
Nueva Vizcaya	16	4.47	40	11.18	4	1.12	1	0.28
Quirino	15	10.53	31	21.76	2	1.40	1	0.70
Santiago City	17	15.97	34	31.95	1	0.94	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ENTERITIS & OTHER DIARRHEAL DISEASES		TB RESPIRATORY		TB MENINGITIS		TB OTHER FORMS	
	(A09)		(A15)		(A17.0*, G01*)		(A17-A19)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	428	5.80	2,904	39.34	51	0.69	44	0.60
Bataan	28	5.33	219	41.69	5	0.95	3	0.57
Bulacan	146	7.60	838	43.64	20	1.04	15	0.78
Nueva Ecija	62	4.99	446	35.91	4	0.32	5	0.40
Pampanga	49	3.27	422	28.17	6	0.40	1	0.07
Tarlac	68	6.80	454	45.43	5	0.50	6	0.60
Zambales	32	7.70	220	52.96	2	0.48	6	1.44
Angeles City	10	4.01	100	40.05	1	0.40	5	2.00
Cabanatuan City	13	6.06	64	29.86	3	1.40	2	0.93
Olangapo City	10	5.48	97	53.16	3	1.64	1	0.55
Palayan City	2	6.61	15	49.61	-	-	-	-
San Jose City	8	7.73	29	28.02	2	1.93	-	-
Region 4	718	6.68	4,322	40.18	142	1.32	52	0.48
Aurora	12	6.94	48	27.77	-	-	3	1.74
Batangas	40	3.03	458	34.64	12	0.91	2	0.15
Cavite	142	8.83	583	36.24	19	1.18	4	0.25
Laguna	59	3.73	864	54.61	33	2.09	7	0.44
Marinduque	12	5.84	113	54.96	4	1.95	3	1.46
Mindoro Occidental	44	12.20	110	30.50	-	-	3	0.83
Mindoro Oriental	39	6.02	259	40.01	10	1.54	4	0.62
Palawan	36	6.53	140	25.40	1	0.18	2	0.36
Quezon	86	5.98	617	42.89	29	2.02	6	0.42
Rizal	154	10.08	624	40.86	18	1.18	12	0.79
Romblon	39	15.34	154	60.58	1	0.39	3	1.18
Batangas City	12	5.38	67	30.04	1	0.45	-	-
Cavite City	7	7.68	50	54.84	-	-	-	-
Lipa City	9	4.81	47	25.12	1	0.53	1	0.53
Lucena City	7	3.62	73	37.75	4	2.07	-	-
Puerto Princessa City	12	8.29	37	25.55	2	1.38	1	0.69
San Pablo City	6	3.10	61	31.50	7	3.61	1	0.52
Tagaytay City	-	-	6	19.38	-	-	-	-
Trece Martires City	2	9.23	11	50.76	-	-	-	-
Region 5	418	9.13	2,010	43.92	63	1.38	38	0.83
Albay	44	4.83	480	52.66	20	2.19	8	0.88
Camarines Norte	61	12.85	223	46.99	4	0.84	3	0.63
Camarines Sur	64	4.88	599	45.69	21	1.60	15	1.14
Catanduanes	35	16.31	111	51.74	5	2.33	3	1.40
Masbate	119	17.60	183	27.07	2	0.30	-	-
Sorsogon	60	9.75	255	41.45	7	1.14	9	1.46
Iriga City	8	9.63	28	33.69	1	1.20	-	-
Legaspi City	13	8.45	80	52.02	3	1.95	-	-
Naga City	14	10.23	51	37.27	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ENTERITIS & OTHER DIARRHEAL DISEASES		TB RESPIRATORY		TB MENINGITIS		TB OTHER FORMS	
	(A09)		(A15)		(A17.0*, G01*)		(A17-A19)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	440	7.21	3,791	62.15	62	1.02	48	0.79
Aklan	41	9.48	296	68.46	3	0.69	-	-
Antique	24	5.27	211	46.37	1	0.22	9	1.98
Capiz	39	7.38	159	30.08	1	0.19	2	0.38
Guimaras	5	3.75	51	38.22	-	-	-	-
Iloilo	99	6.64	958	64.25	15	1.01	13	0.87
Negros Occidental	111	7.72	968	67.36	19	1.32	9	0.63
Bacolod City	40	9.18	307	70.43	10	2.29	3	0.69
Bago City	14	9.83	159	111.67	3	2.11	1	0.70
Cadiz City	6	4.70	115	90.03	-	-	-	-
Iloilo City	26	7.30	225	63.17	3	0.84	5	1.40
La Carlota City	5	8.58	33	56.65	-	-	-	-
Roxas City	10	7.73	47	36.34	1	0.77	1	0.77
Sagay City	7	5.22	82	61.10	-	-	1	0.75
San Carlos City	3	2.88	58	55.65	4	3.84	2	1.92
Silay City	10	7.46	122	91.06	2	1.49	2	1.49
Region 7	454	8.52	1,486	27.90	49	0.92	36	0.68
Bohol	118	12.11	393	40.32	7	0.72	4	0.41
Cebu	137	7.64	298	16.62	10	0.56	13	0.72
Negros Oriental	49	5.62	198	22.69	6	0.69	3	0.34
Siquijor	2	2.57	56	71.85	1	1.28	-	-
Bais City	9	13.67	33	50.12	-	-	1	1.52
Canlaon City	6	13.68	23	52.44	-	-	-	-
Cebu City	58	8.23	281	39.87	15	2.13	8	1.14
Danao City	7	8.20	22	25.78	1	1.17	1	1.17
Dumaguete City	5	4.99	31	30.94	2	2.00	3	2.99
Lapu-Lapu City	17	8.77	53	27.33	1	0.52	2	1.03
Mandawe City	20	9.70	48	23.29	4	1.94	1	0.49
Tagbilaran City	2	2.66	18	23.96	1	1.33	-	-
Toledo City	24	18.20	32	24.26	1	0.76	-	-
Region 8	237	6.60	1,235	34.40	21	0.58	27	0.75
Biliran	20	14.16	59	41.76	2	1.42	1	0.71
Leyte Del Norte	34	2.67	483	37.89	7	0.55	12	0.94
Leyte Del Sur	44	12.99	183	54.02	4	1.18	6	1.77
Eastern Samar	6	1.57	68	17.77	2	0.52	-	-
Northern Samar	74	15.35	151	31.32	2	0.41	4	0.83
Western Samar	22	4.51	74	15.16	1	0.20	1	0.20
Calbayog City	16	11.59	54	39.10	-	-	1	0.72
Ormoc City	5	3.20	81	51.83	-	-	1	0.64
Tacloban City	16	8.49	82	43.52	3	1.59	1	0.53

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ENTERITIS & OTHER DIARRHEAL DISEASES		TB RESPIRATORY		TB MENINGITIS		TB OTHER FORMS	
	(A09)		(A15)		(A17.0*, G01*)		(A17-A19)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	186	6.19	694	23.09	7	0.23	13	0.43
Basilan	9	2.88	37	11.85	-	-	-	-
Zamboanga Del Norte	34	5.14	131	19.80	3	0.45	4	0.60
Zamboanga Del Sur	55	4.73	244	20.99	1	0.09	2	0.17
Dapitan City	11	16.50	26	39.00	-	-	2	3.00
Dipolog City	7	7.10	38	38.55	-	-	1	1.01
Pagadian City	8	5.78	38	27.43	1	0.72	1	0.72
Zamboanga City	62	10.97	180	31.85	2	0.35	3	0.53
Region 10	144	5.43	731	27.54	10	0.38	17	0.64
Bukidnon	30	2.93	141	13.78	3	0.29	7	0.68
Camiguin	8	11.29	51	72.00	-	-	-	-
Misamis Occidental	13	4.92	102	38.64	-	-	1	0.38
Misamis Oriental	37	7.10	191	36.66	4	0.77	5	0.96
Cagayan de Oro	23	4.88	131	27.78	2	0.42	1	0.21
Gingoog City	15	16.84	20	22.45	-	-	-	-
Oroquieta City	3	5.13	18	30.79	-	-	1	1.71
Ozamis City	12	11.11	56	51.85	-	-	1	0.93
Tangub City	3	6.32	21	44.21	1	2.11	1	2.11
Region 11	252	5.06	1,616	32.48	30	0.60	17	0.34
Cotabato South	19	2.83	213	31.76	3	0.45	2	0.30
Davao Oriental	12	2.76	82	18.83	-	-	1	0.23
Davao Del Norte	85	6.57	398	30.77	6	0.46	6	0.46
Davao Del Sur	35	4.97	250	35.49	5	0.71	4	0.57
Saranggani	16	3.97	43	10.67	1	0.25	-	-
Davao City	46	4.21	467	42.77	14	1.28	2	0.18
Gen. Santos City	39	10.34	163	43.22	1	0.27	2	0.53
Region 12	117	4.61	638	25.16	12	0.47	9	0.35
Lanao Del Norte	14	2.99	119	25.38	1	0.21	1	0.21
North Cotabato	34	3.67	223	24.05	6	0.65	6	0.65
Sultan Kudarat	16	2.84	154	27.35	2	0.36	1	0.18
Cotabato City	29	18.49	69	43.99	1	0.64	1	0.64
Iligan City	23	7.69	65	21.74	1	0.33	-	-
Marawi City	1	0.83	8	6.62	1	0.83	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ENTERITIS & OTHER DIARRHEAL DISEASES		TB RESPIRATORY		TB MENINGITIS		TB OTHER FORMS	
	(A09)		(A15)		(A17.0 ⁺ , G01 ⁺)		(A17-A19)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	23	1.09	106	5.01	-	-	3	0.14
Lanao Del Sur	9	1.49	37	6.11	-	-	3	0.50
Maguindanao	9	1.27	42	5.94	-	-	-	-
Sulu	4	0.74	18	3.32	-	-	-	-
Tawi-Tawi	1	0.39	9	3.47	-	-	-	-
Caraga	97	4.65	602	28.88	6	0.29	9	0.43
Agusan Del Norte	14	4.97	79	28.02	-	-	-	-
Agusan Del Sur	8	1.39	82	14.24	1	0.17	-	-
Surigao Del Norte	21	5.95	163	46.20	2	0.57	3	0.85
Surigao Del Sur	24	4.82	174	34.93	1	0.20	5	1.00
Butuan City	22	8.36	60	22.80	1	0.38	-	-
Surigao City	8	7.08	44	38.97	1	0.89	1	0.89

* population unknown

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	LEPROSY		WHOOPING COUGH		MENINGOCOCCAL INFECTION		TETANUS	
	(A30)		(A37)		(A39)		(A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	38	0.05	6	0.01	137	0.19	751	1.03
NCR	6	0.06	1	0.01	24	0.24	60	0.60
City of Manila	1	0.06	-	-	3	0.19	13	0.81
Manila, 2nd District	-	-	-	-	-	-	-	-
Mandaluyong City	-	-	-	-	-	-	4	1.37
Pasig City	-	-	-	-	2	0.39	6	1.18
Quezon City	-	-	1	0.05	9	0.43	9	0.43
Marikina City	-	-	-	-	-	-	1	0.26
Manila, 3rd District	1	0.09	-	-	3	0.27	5	0.46
Kalookan City	4	0.36	-	-	-	-	6	0.53
Manila, 4th District	-	-	-	-	5	0.36	12	0.86
Makati City	-	-	-	-	1	0.20	3	0.61
Pasay City	-	-	-	-	1	0.24	1	0.24
C.A.R.	-	-	-	-	4	0.30	8	0.60
Abra	-	-	-	-	1	0.49	2	0.98
Apayao	-	-	-	-	-	-	-	-
Benguet	-	-	-	-	1	0.30	1	0.30
Ifugao	-	-	-	-	-	-	2	1.25
Kalinga	-	-	-	-	-	-	-	-
Mt. Province	-	-	-	-	1	0.73	1	0.73
Baguio City	-	-	-	-	1	0.39	2	0.78
Region 1	5	0.12	-	-	9	0.22	71	1.77
Ilocos Norte	1	0.24	-	-	-	-	9	2.19
Ilocos Sur	1	0.18	-	-	1	0.18	6	1.06
La Union	2	0.32	-	-	3	0.48	5	0.79
Pangasinan	1	0.05	-	-	2	0.10	44	2.17
Dagupan City	-	-	-	-	-	-	1	0.76
Laoag City	-	-	-	-	2	2.16	2	2.16
San Carlos City	-	-	-	-	1	0.71	4	2.82
Region 2	3	0.11	1	0.04	1	0.04	35	1.30
Batanes	-	-	-	-	-	-	-	-
Cagayan	-	-	1	0.11	1	0.11	15	1.59
Isabela	2	0.18	-	-	-	-	18	1.59
Nueva Vizcaya	-	-	-	-	-	-	1	0.28
Quirino	-	-	-	-	-	-	-	-
Santiago City	1	0.94	-	-	-	-	1	0.94

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	LEPROSY (A30)		WHOOPING COUGH (A37)		MENINGOCOCCAL INFECTION (A39)		TETANUS (A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	5	0.07	-	-	13	0.18	70	0.95
Bataan	-	-	-	-	-	-	8	1.52
Bulacan	-	-	-	-	3	0.16	17	0.89
Nueva Ecija	2	0.16	-	-	1	0.08	17	1.37
Pampanga	-	-	-	-	3	0.20	8	0.53
Tarlac	2	0.20	-	-	1	0.10	10	1.00
Zambales	-	-	-	-	1	0.24	5	1.20
Angeles City	-	-	-	-	-	-	-	-
Cabanatuan City	-	-	-	-	1	0.47	4	1.87
Olangapo City	-	-	-	-	1	0.55	1	0.55
Palayan City	-	-	-	-	-	-	-	-
San Jose City	1	0.97	-	-	2	1.93	-	-
Region 4	3	0.03	1	0.01	23	0.21	92	0.86
Aurora	-	-	-	-	1	0.58	2	1.16
Batangas	1	0.08	-	-	3	0.23	8	0.61
Cavite	1	0.06	1	0.06	2	0.12	15	0.93
Laguna	-	-	-	-	1	0.06	10	0.63
Marinduque	-	-	-	-	2	0.97	2	0.97
Mindoro Occidental	-	-	-	-	-	-	6	1.66
Mindoro Oriental	-	-	-	-	1	0.15	3	0.46
Palawan	1	0.18	-	-	-	-	4	0.73
Quezon	-	-	-	-	2	0.14	14	0.97
Rizal	-	-	-	-	5	0.33	13	0.85
Romblon	-	-	-	-	1	0.39	1	0.39
Batangas City	-	-	-	-	2	0.90	1	0.45
Cavite City	-	-	-	-	1	1.10	3	3.29
Lipa City	-	-	-	-	-	-	3	1.60
Lucena City	-	-	-	-	1	0.52	5	2.59
Puerto Princessa City	-	-	-	-	1	0.69	1	0.69
San Pablo City	-	-	-	-	-	-	1	0.52
Tagaytay City	-	-	-	-	-	-	-	-
Trece Martires City	-	-	-	-	-	-	-	-
Region 5	3	0.07	-	-	9	0.20	49	1.07
Albay	1	0.11	-	-	2	0.22	7	0.77
Camarines Norte	-	-	-	-	-	-	4	0.84
Camarines Sur	2	0.15	-	-	-	-	11	0.84
Catanduanes	-	-	-	-	1	0.47	5	2.33
Masbate	-	-	-	-	6	0.89	4	0.59
Sorsogon	-	-	-	-	-	-	14	2.28
Iriga City	-	-	-	-	-	-	2	2.41
Legaspi City	-	-	-	-	-	-	1	0.65
Naga City	-	-	-	-	-	-	1	0.73

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	LEPROSY		WHOOPING COUGH		MENINGOCOCCAL INFECTION		TETANUS	
	(A30)		(A37)		(A39)		(A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	3	0.05	-	-	14	0.23	93	1.52
Aklan	-	-	-	-	1	0.23	3	0.69
Antique	-	-	-	-	2	0.44	7	1.54
Capiz	-	-	-	-	-	-	7	1.32
Guimaras	-	-	-	-	-	-	1	0.75
Iloilo	2	0.13	-	-	2	0.13	28	1.88
Negros Occidental	1	0.07	-	-	2	0.14	20	1.39
Bacolod City	-	-	-	-	3	0.69	8	1.84
Bago City	-	-	-	-	1	0.70	5	3.51
Cadiz City	-	-	-	-	-	-	2	1.57
Iloilo City	-	-	-	-	3	0.84	8	2.25
La Carlota City	-	-	-	-	-	-	-	-
Roxas City	-	-	-	-	-	-	2	1.55
Sagay City	-	-	-	-	-	-	2	1.49
San Carlos City	-	-	-	-	-	-	-	-
Silay City	-	-	-	-	-	-	-	-
Region 7	-	-	-	-	15	0.28	65	1.22
Bohol	-	-	-	-	2	0.21	11	1.13
Cebu	-	-	-	-	4	0.22	24	1.34
Negros Oriental	-	-	-	-	3	0.34	9	1.03
Siquijor	-	-	-	-	-	-	1	1.28
Bais City	-	-	-	-	-	-	-	-
Canlaon City	-	-	-	-	-	-	-	-
Cebu City	-	-	-	-	4	0.57	11	1.56
Danao City	-	-	-	-	-	-	1	1.17
Dumaguete City	-	-	-	-	-	-	2	2.00
Lapu-Lapu City	-	-	-	-	-	-	1	0.52
Mandawe City	-	-	-	-	1	0.49	3	1.46
Tagbilaran City	-	-	-	-	-	-	-	-
Toledo City	-	-	-	-	1	0.76	2	1.52
Region 8	3	0.08	1	0.03	5	0.14	37	1.03
Biliran	-	-	-	-	-	-	5	3.54
Leyte Del Norte	3	0.24	-	-	5	0.39	12	0.94
Leyte Del Sur	-	-	1	0.30	-	-	6	1.77
Eastern Samar	-	-	-	-	-	-	-	-
Northern Samar	-	-	-	-	-	-	3	0.62
Western Samar	-	-	-	-	-	-	5	1.02
Calbayog City	-	-	-	-	-	-	-	-
Ormoc City	-	-	-	-	-	-	4	2.56
Tacloban City	-	-	-	-	-	-	2	1.06

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	LEPROSY (A30)		WHOOPING COUGH (A37)		MENINGOCOCCAL INFECTION (A39)		TETANUS (A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	2	0.07	1	0.03	3	0.10	33	1.10
Basilan	-	-	-	-	-	-	1	0.32
Zamboanga Del Norte	-	-	-	-	-	-	6	0.91
Zamboanga Del Sur	-	-	1	0.09	-	-	10	0.86
Dapitan City	-	-	-	-	-	-	2	3.00
Dipolog City	-	-	-	-	-	-	3	3.04
Pagadian City	-	-	-	-	-	-	1	0.72
Zamboanga City	2	0.35	-	-	3	0.53	10	1.77
Region 10	1	0.04	1	0.04	2	0.08	24	0.90
Bukidnon	-	-	-	-	-	-	6	0.59
Camiguin	-	-	-	-	-	-	2	2.82
Misamis Occidental	-	-	-	-	-	-	3	1.14
Misamis Oriental	1	0.19	-	-	-	-	4	0.77
Cagayan de Oro	-	-	1	0.21	1	0.21	4	0.85
Gingoog City	-	-	-	-	1	1.12	1	1.12
Oroquieta City	-	-	-	-	-	-	1	1.71
Ozamis City	-	-	-	-	-	-	1	0.93
Tangub City	-	-	-	-	-	-	2	4.21
Region 11	3	0.06	-	-	8	0.16	62	1.25
Cotabato South	-	-	-	-	1	0.15	9	1.34
Davao Oriental	-	-	-	-	-	-	6	1.38
Davao Del Norte	1	0.08	-	-	4	0.31	22	1.70
Davao Del Sur	1	0.14	-	-	1	0.14	5	0.71
Sarangani	-	-	-	-	-	-	2	0.50
Davao City	-	-	-	-	1	0.09	14	1.28
Gen. Santos City	1	0.27	-	-	1	0.27	4	1.06
Region 12	1	0.04	-	-	3	0.12	27	1.06
Lanao Del Norte	1	0.21	-	-	1	0.21	8	1.71
North Cotabato	-	-	-	-	-	-	7	0.75
Sultan Kudarat	-	-	-	-	1	0.18	6	1.07
Cotabato City	-	-	-	-	-	-	3	1.91
Iligan City	-	-	-	-	1	0.33	3	1.00
Marawi City	-	-	-	-	-	-	-	-

Table 25

SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998

AREA	LEPROSY (A30)		WHOOPING COUGH (A37)		MENINGOCOCCAL INFECTION (A39)		TETANUS (A35)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	-	-	-	-	-	-	2	0.09
Lanao Del Sur	-	-	-	-	-	-	-	-
Maguindanao	-	-	-	-	-	-	1	0.14
Sulu	-	-	-	-	-	-	1	0.18
Tawi-Tawi	-	-	-	-	-	-	-	-
Caraga	-	-	-	-	3	0.14	23	1.10
Agusan Del Norte	-	-	-	-	-	-	4	1.42
Agusan Del Sur	-	-	-	-	-	-	1	0.17
Surigao Del Norte	-	-	-	-	-	-	5	1.42
Surigao Del Sur	-	-	-	-	1	0.20	7	1.41
Butuan City	-	-	-	-	1	0.38	5	1.90
Surigao City	-	-	-	-	1	0.89	1	0.89
NOT STATED	-	*	-	*	1	*	-	*

* Population Unknown

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ACUTE POLIOMYELITIS (A80)		VARICELLA (B01)		MEASLES (B05)		DENGUE H-FEVER (A90-A91)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	46	0.06	38	0.05	697	0.95	1,904	2.60
NCR	2	0.02	4	0.04	237	2.37	441	4.41
City of Manila	-	-	1	0.06	59	3.69	66	4.13
Manila, 2nd District	-	-	-	-	-	-	4	0.64
Mandaluyong City	-	-	-	-	1	0.34	15	5.15
Pasig City	-	-	-	-	11	2.17	20	3.94
Quezon City	-	-	-	-	53	2.55	90	4.33
Marikina City	1	0.26	-	-	8	2.06	21	5.42
Manila, 3rd District	1	0.09	-	-	29	2.65	48	4.38
Kalookan City	-	-	-	-	35	3.12	47	4.18
Manila, 4th District	-	-	3	0.22	38	2.74	84	6.05
Makati City	-	-	-	-	1	0.20	21	4.30
Pasay City	-	-	-	-	2	0.48	25	6.02
C.A.R.	-	-	-	-	1	0.07	15	1.12
Abra	-	-	-	-	-	-	2	0.98
Apayao	-	-	-	-	1	1.12	-	-
Benguet	-	-	-	-	-	-	1	0.30
Ifugao	-	-	-	-	-	-	1	0.63
Kalinga	-	-	-	-	-	-	3	1.83
Mt. Province	-	-	-	-	-	-	4	2.91
Baguio City	-	-	-	-	-	-	4	1.55
Region 1	6	0.15	1	0.02	17	0.42	124	3.10
Ilocos Norte	-	-	-	-	-	-	14	3.41
Ilocos Sur	1	0.18	-	-	1	0.18	36	6.36
La Union	-	-	-	-	1	0.16	23	3.64
Pangasinan	4	0.20	1	0.05	13	0.64	41	2.02
Dagupan City	-	-	-	-	-	-	4	3.03
Laoag City	-	-	-	-	1	1.08	4	4.33
San Carlos City	1	0.71	-	-	1	0.71	2	1.41
Region 2	3	0.11	1	0.04	13	0.48	49	1.82
Batanes	-	-	-	-	-	-	-	-
Cagayan	-	-	-	-	10	1.06	24	2.54
Isabela	2	0.18	1	0.09	2	0.18	15	1.32
Nueva Vizcaya	1	0.28	-	-	1	0.28	3	0.84
Quirino	-	-	-	-	-	-	4	2.81
Santiago City	-	-	-	-	-	-	3	2.82

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ACUTE POLIOMYELITIS (A80)		VARICELLA (B01)		MEASLES (B05)		DENGUE H-FEVER (A90-A91)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	-	-	3	0.10	39	1.30	28	0.93
Basilan	-	-	-	-	7	2.24	1	0.32
Zamboanga Del Norte	-	-	2	0.30	7	1.06	8	1.21
Zamboanga Del Sur	-	-	-	-	5	0.43	5	0.43
Dapitan City	-	-	-	-	-	-	3	4.50
Dipolog City	-	-	-	-	2	2.03	1	1.01
Pagadian City	-	-	-	-	2	1.44	3	2.17
Zamboanga City	-	-	1	0.18	16	2.83	7	1.24
Region 10	2	0.08	3	0.11	12	0.45	34	1.28
Bukidnon	-	-	-	-	4	0.39	11	1.07
Camiguin	-	-	-	-	-	-	2	2.82
Misamis Occidental	-	-	-	-	-	-	1	0.38
Misamis Oriental	2	0.38	1	0.19	-	-	1	0.19
Cagayan de Oro	-	-	2	0.42	3	0.64	14	2.97
Gingoog City	-	-	-	-	5	5.61	1	1.12
Oroquieta City	-	-	-	-	-	-	1	1.71
Ozamis City	-	-	-	-	-	-	2	1.85
Tangub City	-	-	-	-	-	-	1	2.11
Region 11	2	0.04	4	0.08	29	0.58	65	1.31
Cotabato South	1	0.15	1	0.15	3	0.45	3	0.45
Davao Oriental	-	-	-	-	-	-	2	0.46
Davao Del Norte	-	-	2	0.15	2	0.15	15	1.16
Davao Del Sur	-	-	1	0.14	-	-	8	1.14
Saranggani	-	-	-	-	-	-	1	0.25
Davao City	-	-	-	-	22	2.01	13	1.19
Gen. Santos City	1	0.27	-	-	2	0.53	23	6.10
Region 12	-	-	-	-	11	0.43	26	1.03
Lanao Del Norte	-	-	-	-	1	0.21	3	0.64
North Cotabato	-	-	-	-	1	0.11	4	0.43
Sultan Kudarat	-	-	-	-	-	-	5	0.89
Cotabato City	-	-	-	-	5	3.19	5	3.19
Iligan City	-	-	-	-	4	1.34	9	3.01
Marawi City	-	-	-	-	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	ACUTE POLIOMYELITIS (A80)		VARICELLA (B01)		MEASLES (B05)		DENGUE H-FEVER (A90-A91)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	-	-	-	-	2	0.09	1	0.05
Lanao Del Sur	-	-	-	-	-	-	-	-
Maguindanao	-	-	-	-	1	0.14	-	-
Sulu	-	-	-	-	-	-	-	-
Tawi-Tawi	-	-	-	-	1	0.39	1	0.39
Caraga	1	0.05	2	0.10	17	0.82	13	0.62
Agusan Del Norte	-	-	-	-	-	-	2	0.71
Agusan Del Sur	-	-	1	0.17	1	0.17	1	0.17
Surigao Del Norte	1	0.28	-	-	11	3.12	3	0.85
Surigao Del Sur	-	-	-	-	-	-	1	0.20
Butuan City	-	-	1	0.38	3	1.14	4	1.52
Surigao City	-	-	-	-	2	1.77	2	1.77

* - population unknown

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	VIRAL ENCEPHALITIS (A83-A86)		INFECTIOUS HEPATITIS (B15-B19)		RABIES (A82)		MUMPS (B26)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	4	0.07	106	1.74	47	0.77	1	0.02
Aklan	1	0.23	9	2.08	2	0.46	-	-
Antique	1	0.22	12	2.64	2	0.44	1	0.22
Capiz	-	-	6	1.14	9	1.70	-	-
Guimaras	-	-	-	-	-	-	-	-
Iloilo	-	-	18	1.21	15	1.01	-	-
Negros Occidental	1	0.07	38	2.64	9	0.63	-	-
Bacolod City	-	-	3	0.69	2	0.46	-	-
Bago City	-	-	3	2.11	-	-	-	-
Cadiz City	-	-	1	0.78	-	-	-	-
Iloilo City	-	-	6	1.68	4	1.12	-	-
La Carlota City	-	-	-	-	-	-	-	-
Roxas City	-	-	2	1.55	1	0.77	-	-
Sagay City	-	-	5	3.73	-	-	-	-
San Carlos City	-	-	-	-	2	1.92	-	-
Silay City	1	0.75	3	2.24	1	0.75	-	-
Region 7	10	0.19	52	0.98	59	1.11	-	-
Bohol	-	-	8	0.82	7	0.72	-	-
Cebu	2	0.11	20	1.12	24	1.34	-	-
Negros Oriental	1	0.11	9	1.03	9	1.03	-	-
Siquijor	-	-	1	1.28	-	-	-	-
Bais City	-	-	-	-	-	-	-	-
Canlaon City	-	-	1	2.28	-	-	-	-
Cebu City	3	0.43	9	1.28	11	1.56	-	-
Danao City	1	1.17	-	-	1	1.17	-	-
Dumaguete City	1	1.00	-	-	-	-	-	-
Lapu-Lapu City	1	0.52	-	-	1	0.52	-	-
Mandawe City	1	0.49	2	0.97	4	1.94	-	-
Tagbilaran City	-	-	1	1.33	-	-	-	-
Toledo City	-	-	1	0.76	2	1.52	-	-
Region 8	6	0.17	49	1.36	25	0.70	1	0.03
Biliran	-	-	7	4.96	2	1.42	-	-
Leyte Del Norte	2	0.16	22	1.73	15	1.18	-	-
Leyte Del Sur	2	0.59	11	3.25	-	-	-	-
Eastern Samar	-	-	3	0.78	3	0.78	1	0.26
Northern Samar	1	0.21	-	-	1	0.21	-	-
Western Samar	-	-	3	0.61	2	0.41	-	-
Calbayog City	-	-	-	-	1	0.72	-	-
Ormoc City	-	-	2	1.28	1	0.64	-	-
Tacloban City	1	0.53	1	0.53	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	VIRAL ENCEPHALITIS (A83-A86)		INFECTIOUS HEPATITIS (B15-B19)		RABIES (A82)		MUMPS (B26)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	7	0.23	65	2.16	15	0.50	1	0.03
Basilan	1	0.32	5	1.60	1	0.32	-	-
Zamboanga Del Norte	2	0.30	15	2.27	2	0.30	-	-
Zamboanga Del Sur	-	-	25	2.15	6	0.52	1	0.09
Dapitan City	-	-	1	1.50	-	-	-	-
Dipolog City	-	-	1	1.01	2	2.03	-	-
Pagadian City	-	-	1	0.72	1	0.72	-	-
Zamboanga City	4	0.71	17	3.01	3	0.53	-	-
Region 10	7	0.26	43	1.62	22	0.83	1	0.04
Bukidnon	2	0.20	11	1.07	4	0.39	1	0.10
Camiguin	-	-	-	-	-	-	-	-
Misamis Occidental	1	0.38	10	3.79	3	1.14	-	-
Misamis Oriental	2	0.38	8	1.54	5	0.96	-	-
Cagayan de Oro	1	0.21	3	0.64	6	1.27	-	-
Gingoog City	-	-	2	2.25	-	-	-	-
Oroquieta City	-	-	3	5.13	-	-	-	-
Ozamis City	1	0.93	2	1.85	4	3.70	-	-
Tangub City	-	-	4	8.42	-	-	-	-
Region 11	17	0.34	81	1.63	44	0.88	-	-
Cotabato South	3	0.45	11	1.64	5	0.75	-	-
Davao Oriental	3	0.69	5	1.15	4	0.92	-	-
Davao Del Norte	5	0.39	27	2.09	19	1.47	-	-
Davao Del Sur	1	0.14	12	1.70	5	0.71	-	-
Saranggani	-	-	1	0.25	1	0.25	-	-
Davao City	5	0.46	21	1.92	9	0.82	-	-
Gen. Santos City	-	-	4	1.06	1	0.27	-	-
Region 12	9	0.35	35	1.38	26	1.03	-	-
Lanao Del Norte	2	0.43	16	3.41	3	0.64	-	-
North Cotabato	1	0.11	8	0.86	11	1.19	-	-
Sultan Kudarat	2	0.36	8	1.42	8	1.42	-	-
Cotabato City	-	-	1	0.64	-	-	-	-
Iligan City	4	1.34	2	0.67	4	1.34	-	-
Marawi City	-	-	-	-	-	-	-	-

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	VIRAL ENCEPHALITIS (A83-A86)		INFECTIOUS HEPATITIS (B15-B19)		RABIES (A82)		MUMPS (B26)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	1	0.05	4	0.19	1	0.05	-	-
Lanao Del Sur	-	-	2	0.33	-	-	-	-
Maguindanao	-	-	1	0.14	-	-	-	-
Sulu	1	0.18	1	0.18	-	-	-	-
Tawi-Tawi	-	-	-	-	1	0.39	-	-
Caraga	5	0.24	38	1.82	16	0.77	-	-
Agusan Del Norte	-	-	3	1.06	-	-	-	-
Agusan Del Sur	-	-	6	1.04	6	1.04	-	-
Surigao Del Norte	1	0.28	9	2.55	2	0.57	-	-
Surigao Del Sur	2	0.40	10	2.01	3	0.60	-	-
Butuan City	1	0.38	5	1.90	4	1.52	-	-
Surigao City	1	0.89	5	4.43	1	0.89	-	-

* - population unknown

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	MALARIA (B50-B54)		SYPHILIS (A50-A53)		GONOCOCCAL INFECTION (A54)		AIDS (B24)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	561	0.77	19	0.03	-	-	30	0.04
NCR	18	0.18	3	0.03	-	-	11	0.11
City of Manila	3	0.19	1	0.06	-	-	4	0.25
Manila, 2nd District	-	-	-	-	-	-	-	-
Mandaluyong City	1	0.34	-	-	-	-	1	0.34
Pasig City	1	0.20	-	-	-	-	1	0.20
Quezon City	8	0.38	1	0.05	-	-	1	0.05
Marikina City	1	0.26	-	-	-	-	-	-
Manila, 3rd District	-	-	-	-	-	-	1	0.09
Kalookan City	2	0.18	-	-	-	-	-	-
Manila, 4th District	-	-	1	0.07	-	-	3	0.22
Makati City	2	0.41	-	-	-	-	-	-
Pasay City	-	-	-	-	-	-	-	-
C.A.R.	32	2.38	-	-	-	-	-	-
Abra	2	0.98	-	-	-	-	-	-
Apayao	9	10.09	-	-	-	-	-	-
Benguet	-	-	-	-	-	-	-	-
Ifugao	3	1.88	-	-	-	-	-	-
Kalinga	12	7.32	-	-	-	-	-	-
Mt. Province	5	3.63	-	-	-	-	-	-
Baguio City	1	0.39	-	-	-	-	-	-
Region 1	1	0.02	-	-	-	-	3	0.07
Ilocos Norte	-	-	-	-	-	-	-	-
Ilocos Sur	-	-	-	-	-	-	-	-
La Union	-	-	-	-	-	-	-	-
Pangasinan	1	0.05	-	-	-	-	3	0.15
Dagupan City	-	-	-	-	-	-	-	-
Laoag City	-	-	-	-	-	-	-	-
San Carlos City	-	-	-	-	-	-	-	-
Region 2	101	3.74	-	-	-	-	1	0.04
Batanes	-	-	-	-	-	-	-	-
Cagayan	55	5.83	-	-	-	-	-	-
Isabela	38	3.35	-	-	-	-	-	-
Nueva Vizcaya	2	0.56	-	-	-	-	1	0.28
Quirino	4	2.81	-	-	-	-	-	-
Santiago City	2	1.88	-	-	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	MALARIA (B50-B54)		SYPHILIS (A50-A53)		GONOCOCCAL INFECTION (A54)		AIDS (B24)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	21	0.28	-	-	-	-	6	0.08
Bataan	3	0.57	-	-	-	-	1	0.19
Bulacan	3	0.16	-	-	-	-	1	0.05
Nueva Ecija	2	0.16	-	-	-	-	1	0.08
Pampanga	-	-	-	-	-	-	1	0.07
Tarlac	2	0.20	-	-	-	-	-	-
Zambales	8	1.93	-	-	-	-	-	-
Angeles City	-	-	-	-	-	-	1	0.40
Cabanatuan City	-	-	-	-	-	-	-	-
Olangapo City	3	1.64	-	-	-	-	1	0.55
Palayan City	-	-	-	-	-	-	-	-
San Jose City	-	-	-	-	-	-	-	-
Region 4	135	1.26	4	0.04	-	-	3	0.03
Aurora	8	4.63	-	-	-	-	-	-
Batangas	1	0.08	-	-	-	-	1	0.08
Cavite	3	0.19	-	-	-	-	-	-
Laguna	-	-	1	0.06	-	-	2	0.13
Marinduque	-	-	-	-	-	-	-	-
Mindoro Occidental	13	3.60	-	-	-	-	-	-
Mindoro Oriental	2	0.31	1	0.15	-	-	-	-
Palawan	65	11.79	-	-	-	-	-	-
Quezon	6	0.42	1	0.07	-	-	-	-
Rizal	19	1.24	1	0.07	-	-	-	-
Romblon	8	3.15	-	-	-	-	-	-
Batangas City	-	-	-	-	-	-	-	-
Cavite City	1	1.10	-	-	-	-	-	-
Lipa City	-	-	-	-	-	-	-	-
Lucena City	2	1.03	-	-	-	-	-	-
Puerto Princessa City	6	4.14	-	-	-	-	-	-
San Pablo City	-	-	-	-	-	-	-	-
Tagaytay City	1	3.23	-	-	-	-	-	-
Trece Martires City	-	-	-	-	-	-	-	-
Region 5	2	0.04	-	-	-	-	-	-
Albay	-	-	-	-	-	-	-	-
Camarines Norte	-	-	-	-	-	-	-	-
Camarines Sur	-	-	-	-	-	-	-	-
Catanduanes	1	0.47	-	-	-	-	-	-
Masbate	-	-	-	-	-	-	-	-
Sorsogon	1	0.16	-	-	-	-	-	-
Iriga City	-	-	-	-	-	-	-	-
Legaspi City	-	-	-	-	-	-	-	-
Naga City	-	-	-	-	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	MALARIA (B50-B54)		SYPHILIS (A50-A53)		GONOCOCCAL INFECTION (A54)		AIDS (B24)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	5	0.08	1	0.02	-	-	5	0.08
Aklan	-	-	-	-	-	-	-	-
Antique	-	-	-	-	-	-	-	-
Capiz	-	-	-	-	-	-	1	0.19
Guimaras	-	-	-	-	-	-	-	-
Iloilo	2	0.13	-	-	-	-	3	0.20
Negros Occidental	1	0.07	-	-	-	-	-	-
Bacolod City	-	-	1	0.23	-	-	1	0.23
Bago City	-	-	-	-	-	-	-	-
Cadiz City	-	-	-	-	-	-	-	-
Iloilo City	-	-	-	-	-	-	-	-
La Carlota City	1	1.72	-	-	-	-	-	-
Roxas City	-	-	-	-	-	-	-	-
Sagay City	-	-	-	-	-	-	-	-
San Carlos City	-	-	-	-	-	-	-	-
Silay City	1	0.75	-	-	-	-	-	-
Region 7	3	0.06	3	0.06	-	-	-	-
Bohol	1	0.10	1	0.10	-	-	-	-
Cebu	-	-	1	0.06	-	-	-	-
Negros Oriental	-	-	-	-	-	-	-	-
Siquijor	-	-	-	-	-	-	-	-
Bais City	-	-	-	-	-	-	-	-
Canlaon City	-	-	-	-	-	-	-	-
Cebu City	2	0.28	-	-	-	-	-	-
Danao City	-	-	-	-	-	-	-	-
Dumaguete City	-	-	-	-	-	-	-	-
Lapu-Lapu City	-	-	1	0.52	-	-	-	-
Mandawe City	-	-	-	-	-	-	-	-
Tagbilaran City	-	-	-	-	-	-	-	-
Toledo City	-	-	-	-	-	-	-	-
Region 8	1	0.03	2	0.06	-	-	1	0.03
Biliran	-	-	-	-	-	-	-	-
Leyte Del Norte	-	-	2	0.16	-	-	1	0.08
Leyte Del Sur	1	0.30	-	-	-	-	-	-
Eastern Samar	-	-	-	-	-	-	-	-
Northern Samar	-	-	-	-	-	-	-	-
Western Samar	-	-	-	-	-	-	-	-
Calbayog City	-	-	-	-	-	-	-	-
Ormoc City	-	-	-	-	-	-	-	-
Tacloban City	-	-	-	-	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	MALARIA (B50-B54)		SYPHILIS (A50-A53)		GONOCOCCAL INFECTION (A54)		AIDS (B24)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	20	0.67	-	-	-	-	-	-
Basilan	4	1.28	-	-	-	-	-	-
Zamboanga Del Norte	4	0.60	-	-	-	-	-	-
Zamboanga Del Sur	9	0.77	-	-	-	-	-	-
Dapitan City	-	-	-	-	-	-	-	-
Dipolog City	-	-	-	-	-	-	-	-
Pagadian City	1	0.72	-	-	-	-	-	-
Zamboanga City	2	0.35	-	-	-	-	-	-
Region 10	26	0.98	4	0.15	-	-	-	-
Bukidnon	5	0.49	1	0.10	-	-	-	-
Camiguin	-	-	-	-	-	-	-	-
Misamis Occidental	1	0.38	-	-	-	-	-	-
Misamis Oriental	5	0.96	3	0.58	-	-	-	-
Cagayan de Oro	-	-	-	-	-	-	-	-
Gingoog City	15	16.84	-	-	-	-	-	-
Oroquieta City	-	-	-	-	-	-	-	-
Ozamis City	-	-	-	-	-	-	-	-
Tangub City	-	-	-	-	-	-	-	-
Region 11	90	1.81	-	-	-	-	-	-
Cotabato South	2	0.30	-	-	-	-	-	-
Davao Oriental	5	1.15	-	-	-	-	-	-
Davao Del Norte	52	4.02	-	-	-	-	-	-
Davao Del Sur	6	0.85	-	-	-	-	-	-
Sarangani	1	0.25	-	-	-	-	-	-
Davao City	14	1.28	-	-	-	-	-	-
Gen. Santos City	10	2.65	-	-	-	-	-	-
Region 12	9	0.35	2	0.08	-	-	-	-
Lanao Del Norte	-	-	-	-	-	-	-	-
North Cotabato	4	0.43	1	0.11	-	-	-	-
Sultan Kudarat	5	0.89	-	-	-	-	-	-
Cotabato City	-	-	-	-	-	-	-	-
Iligan City	-	-	1	0.33	-	-	-	-
Marawi City	-	-	-	-	-	-	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	MALARIA (B50-B54)		SYPHILIS (A50-A53)		GONOCOCCAL INFECTION (A54)		AIDS (B24)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	25	1.18	-	-	-	-	-	-
Lanao Del Sur	1	0.17	-	-	-	-	-	-
Maguindanao	4	0.57	-	-	-	-	-	-
Sulu	6	1.11	-	-	-	-	-	-
Tawi-Tawi	14	5.39	-	-	-	-	-	-
Caraga	72	3.45	-	-	-	-	-	-
Agusan Del Norte	4	1.42	-	-	-	-	-	-
Agusan Del Sur	25	4.34	-	-	-	-	-	-
Surigao Del Norte	-	-	-	-	-	-	-	-
Surigao Del Sur	37	7.43	-	-	-	-	-	-
Butuan City	6	2.28	-	-	-	-	-	-
Surigao City	-	-	-	-	-	-	-	-

* population unknown

Table 25

SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998

AREA	SCHISTOSOMIASIS (B65)		FILARIASIS (B74)		MALIGNANT NEOPLASM (C00-C97)		FOOD POISONING BACTERIAL (A05)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	191	0.26	7	0.01	31,606	43.21	154	0.21
NCR	18	0.18	-	-	5,351	53.50	5	0.05
City of Manila	6	0.38	-	-	1,076	67.34	-	-
Manila, 2nd District	-	-	-	-	98	15.70	-	-
Mandaluyong City	2	0.69	-	-	172	59.01	-	-
Pasig City	-	-	-	-	247	48.68	-	-
Quezon City	3	0.14	-	-	1,150	55.28	-	-
Marikina City	-	-	-	-	245	63.22	1	0.26
Manila, 3rd District	2	0.18	-	-	488	44.51	2	0.18
Kalookan City	3	0.27	-	-	492	43.80	2	0.18
Manila, 4th District	2	0.14	-	-	905	65.15	-	-
Makati City	-	-	-	-	304	62.31	-	-
Pasay City	-	-	-	-	174	41.88	-	-
C.A.R.	-	-	-	-	441	32.86	3	0.22
Abra	-	-	-	-	83	40.68	-	-
Apayao	-	-	-	-	14	15.70	-	-
Benguet	-	-	-	-	132	40.08	-	-
Ifugao	-	-	-	-	33	20.65	2	1.25
Kalinga	-	-	-	-	16	9.76	-	-
Mt. Province	-	-	-	-	42	30.53	-	-
Baguio City	-	-	-	-	121	46.90	1	0.39
Region 1	-	-	-	-	2,099	52.41	9	0.22
Ilocos Norte	-	-	-	-	242	59.02	-	-
Ilocos Sur	-	-	-	-	329	58.09	2	0.35
La Union	-	-	-	-	379	60.06	1	0.16
Pangasinan	-	-	-	-	974	47.95	6	0.30
Dagupan City	-	-	-	-	64	48.52	-	-
Laoag City	-	-	-	-	48	51.94	-	-
San Carlos City	-	-	-	-	63	44.48	-	-
Region 2	-	-	-	-	972	36.02	-	-
Batanes	-	-	-	-	12	81.69	-	-
Cagayan	-	-	-	-	381	40.38	-	-
Isabela	-	-	-	-	341	30.06	-	-
Nueva Vizcaya	-	-	-	-	157	43.90	-	-
Quirino	-	-	-	-	36	25.27	-	-
Santiago City	-	-	-	-	45	42.29	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	SCHISTOSOMIASIS (B65)		FILARIASIS (B74)		MALIGNANT NEOPLASM (C00-C97)		FOOD POISONING BACTERIAL (A05)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	2	0.03	3	0.04	4,249	57.57	10	0.14
Bataan	-	-	-	-	314	59.78	2	0.38
Bulacan	2	0.10	1	0.05	1,091	56.81	2	0.10
Nueva Ecija	-	-	-	-	690	55.55	3	0.24
Pampanga	-	-	1	0.07	830	55.40	-	-
Tarlac	-	-	-	-	592	59.24	1	0.10
Zambales	-	-	-	-	247	59.46	1	0.24
Angeles City	-	-	-	-	163	65.28	-	-
Cabanatuan City	-	-	1	0.47	127	59.25	-	-
Olangapo City	-	-	-	-	132	72.34	-	-
Palayan City	-	-	-	-	14	46.30	-	-
San Jose City	-	-	-	-	49	47.35	1	0.97
Region 4	6	0.06	1	0.01	5,199	48.33	14	0.13
Aurora	-	-	-	-	58	33.56	-	-
Batangas	1	0.08	1	0.08	871	65.89	-	-
Cavite	4	0.25	-	-	921	57.24	1	0.06
Laguna	-	-	-	-	850	53.72	1	0.06
Marinduque	-	-	-	-	111	53.99	3	1.46
Mindoro Occidental	1	0.28	-	-	102	28.28	-	-
Mindoro Oriental	-	-	-	-	248	38.31	-	-
Palawan	-	-	-	-	80	14.51	3	0.54
Quezon	-	-	-	-	566	39.35	4	0.28
Rizal	-	-	-	-	688	45.05	1	0.07
Romblon	-	-	-	-	111	43.67	1	0.39
Batangas City	-	-	-	-	125	56.04	-	-
Cavite City	-	-	-	-	56	61.42	-	-
Lipa City	-	-	-	-	116	62.01	-	-
Lucena City	-	-	-	-	100	51.71	-	-
Puerto Princessa City	-	-	-	-	51	35.22	-	-
San Pablo City	-	-	-	-	107	55.25	-	-
Tagaytay City	-	-	-	-	26	83.97	-	-
Trece Martires City	-	-	-	-	12	55.38	-	-
Region 5	3	0.07	-	-	1,373	30.00	14	0.31
Albay	-	-	-	-	266	29.18	1	0.11
Camarines Norte	-	-	-	-	154	32.45	1	0.21
Camarines Sur	-	-	-	-	349	26.62	5	0.38
Catanduanes	-	-	-	-	85	39.62	3	1.40
Masbate	-	-	-	-	140	20.71	-	-
Sorsogon	3	0.49	-	-	240	39.01	4	0.65
Iriga City	-	-	-	-	38	45.73	-	-
Legaspi City	-	-	-	-	53	34.46	-	-
Naga City	-	-	-	-	48	35.08	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	SCHISTOSOMIASIS (B65)		FILARIASIS (B74)		MALIGNANT NEOPLASM (C00-C97)		FOOD POISONING BACTERIAL (A05)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	2	0.03	1	0.02	3,159	51.79	11	0.18
Aklan	-	-	-	-	274	63.37	-	-
Antique	1	0.22	-	-	183	40.22	2	0.44
Capiz	-	-	-	-	270	51.08	-	-
Guimaras	-	-	-	-	58	43.47	1	0.75
Iloilo	-	-	-	-	796	53.38	2	0.13
Negros Occidental	1	0.07	1	0.07	597	41.54	4	0.28
Bacolod City	-	-	-	-	329	75.48	1	0.23
Bago City	-	-	-	-	84	59.00	-	-
Cadiz City	-	-	-	-	42	32.88	-	-
Iloilo City	-	-	-	-	237	66.54	-	-
La Carlota City	-	-	-	-	36	61.80	-	-
Roxas City	-	-	-	-	76	58.76	-	-
Sagay City	-	-	-	-	69	51.41	-	-
San Carlos City	-	-	-	-	44	42.22	-	-
Silay City	-	-	-	-	64	47.77	1	0.75
Region 7	7	0.13	1	0.02	3,083	57.89	35	0.66
Bohol	2	0.21	-	-	504	51.70	5	0.51
Cebu	2	0.11	-	-	1,076	60.00	11	0.61
Negros Oriental	1	0.11	-	-	326	37.36	9	1.03
Siquijor	-	-	-	-	82	105.22	-	-
Bais City	-	-	-	-	35	53.16	1	1.52
Canlaon City	-	-	-	-	12	27.36	-	-
Cebu City	-	-	1	0.14	585	83.00	2	0.28
Danao City	1	1.17	-	-	43	50.39	2	2.34
Dumaguete City	-	-	-	-	102	101.81	-	-
Lapu-Lapu City	-	-	-	-	91	46.92	4	2.06
Mandawe City	1	0.49	-	-	119	57.73	1	0.49
Tagbilaran City	-	-	-	-	50	66.56	-	-
Toledo City	-	-	-	-	58	43.97	-	-
Region 8	60	1.67	-	-	932	25.96	17	0.47
Biliran	-	-	-	-	39	27.61	1	0.71
Leyte Del Norte	32	2.51	-	-	313	24.56	6	0.47
Leyte Del Sur	-	-	-	-	198	58.44	4	1.18
Eastern Samar	7	1.83	-	-	56	14.64	1	0.26
Northern Samar	14	2.90	-	-	96	19.91	2	0.41
Western Samar	6	1.23	-	-	69	14.13	1	0.20
Calbayog City	-	-	-	-	44	31.86	1	0.72
Ormoc City	-	-	-	-	60	38.40	1	0.64
Tacloban City	1	0.53	-	-	57	30.25	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	SCHISTOSOMIASIS (B65)		FILARIASIS (B74)		MALIGNANT NEOPLASM (C00-C97)		FOOD POISONING BACTERIAL (A05)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	13	0.43	-	-	756	25.16	3	0.10
Basilan	-	-	-	-	34	10.89	-	-
Zamboanga Del Norte	3	0.45	-	-	142	21.46	2	0.30
Zamboanga Del Sur	10	0.86	-	-	226	19.44	-	-
Dapitan City	-	-	-	-	38	56.99	-	-
Dipolog City	-	-	-	-	44	44.63	-	-
Pagadian City	-	-	-	-	40	28.88	-	-
Zamboanga City	-	-	-	-	232	41.06	1	0.18
Region 10	14	0.53	-	-	939	35.38	6	0.23
Bukidnon	9	0.88	-	-	168	16.41	1	0.10
Camiguin	-	-	-	-	50	70.58	-	-
Misamis Occidental	1	0.38	-	-	141	53.42	-	-
Misamis Oriental	-	-	-	-	211	40.50	3	0.58
Cagayan de Oro	1	0.21	-	-	207	43.89	1	0.21
Gingoog City	-	-	-	-	31	34.80	1	1.12
Oroquieta City	-	-	-	-	48	82.09	-	-
Ozamis City	-	-	-	-	65	60.19	-	-
Tangub City	3	6.32	-	-	18	37.89	-	-
Region 11	30	0.60	1	0.02	1,793	36.03	19	0.38
Cotabato South	-	-	-	-	253	37.72	1	0.15
Davao Oriental	1	0.23	1	0.23	129	29.62	2	0.46
Davao Del Norte	25	1.93	-	-	384	29.69	13	1.01
Davao Del Sur	-	-	-	-	231	32.80	1	0.14
Sarangani	-	-	-	-	49	12.16	-	-
Davao City	4	0.37	-	-	580	53.12	-	-
Gen. Santos City	-	-	-	-	167	44.28	2	0.53
Region 12	15	0.59	-	-	576	22.71	5	0.20
Lanao Del Norte	13	2.77	-	-	82	17.49	2	0.43
North Cotabato	1	0.11	-	-	218	23.51	1	0.11
Sultan Kudarat	1	0.18	-	-	118	20.95	1	0.18
Cotabato City	-	-	-	-	54	34.43	-	-
Iligan City	-	-	-	-	98	32.77	1	0.33
Marawi City	-	-	-	-	6	4.96	-	-

Table 25

SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998

AREA	SCHISTOSOMIASIS (B65)		FILARIASIS (B74)		MALIGNANT NEOPLASM (C00-C97)		FOOD POISONING BACTERIAL (A05)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	-	-	-	-	77	3.64	-	-
Lanao Del Sur	-	-	-	-	15	2.48	-	-
Maguindanao	-	-	-	-	40	5.65	-	-
Sulu	-	-	-	-	13	2.40	-	-
Tawi-Tawi	-	-	-	-	9	3.47	-	-
Caraga	21	1.01	-	-	586	28.11	3	0.14
Agusan Del Norte	2	0.71	-	-	92	32.63	-	-
Agusan Del Sur	6	1.04	-	-	79	13.72	-	-
Surigao Del Norte	10	2.83	-	-	110	31.18	-	-
Surigao Del Sur	2	0.40	-	-	138	27.71	3	0.60
Butuan City	1	0.38	-	-	96	36.48	-	-
Surigao City	-	-	-	-	71	62.88	-	-
NOT STATED	-	*	-	*	21	*	-	*

* population unknown

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	NUTRITIONAL DEFICIENCIES (E40)		BRONCHITIS (J40)		GONOCOCCAL PNEUMONIA (J12-J18)		INFLUENZA (J10-J11)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
PHILIPPINES	2,873	3.93	800	1.09	33,709	46.08	303	0.41
NCR	162	1.62	136	1.36	5,713	57.12	21	0.21
City of Manila	17	1.06	14	0.88	1,730	108.26	-	-
Manila, 2nd District	-	-	-	-	57	9.13	1	0.16
Mandaluyong City	5	1.72	4	1.37	149	51.12	-	-
Pasig City	21	4.14	4	0.79	218	42.97	1	0.20
Quezon City	30	1.44	56	2.69	1,037	49.85	9	0.43
Marikina City	10	2.58	1	0.26	139	35.87	1	0.26
Manila, 3rd District	22	2.01	19	1.73	590	53.81	4	0.36
Kalookan City	8	0.71	11	0.98	790	70.33	1	0.09
Manila, 4th District	34	2.45	14	1.01	693	49.89	4	0.29
Makati City	13	2.66	4	0.82	158	32.38	-	-
Pasay City	2	0.48	9	2.17	152	36.58	-	-
C.A.R.	16	1.19	12	0.89	407	30.33	4	0.30
Abra	3	1.47	6	2.94	137	67.14	2	0.98
Apayao	1	1.12	-	-	14	15.70	-	-
Benguet	3	0.91	2	0.61	77	23.38	-	-
Ifugao	2	1.25	1	0.63	39	24.41	1	0.63
Kalinga	1	0.61	2	1.22	39	23.80	-	-
Mt. Province	5	3.63	-	-	48	34.89	1	0.73
Baguio City	1	0.39	1	0.39	53	20.54	-	-
Region 1	192	4.79	37	0.92	2,838	70.87	71	1.77
Ilocos Norte	44	10.73	7	1.71	190	46.34	-	-
Ilocos Sur	40	7.06	7	1.24	504	88.99	2	0.35
La Union	15	2.38	4	0.63	422	66.88	5	0.79
Pangasinan	37	1.82	18	0.89	1,450	71.38	63	3.10
Dagupan City	1	0.76	-	-	65	49.28	-	-
Laoag City	5	5.41	1	1.08	161	174.23	-	-
San Carlos City	50	35.30	-	-	46	32.47	1	0.71
Region 2	118	4.37	52	1.93	1,740	64.47	15	0.56
Batanes	-	-	-	-	8	54.46	-	-
Cagayan	20	2.12	15	1.59	759	80.45	11	1.17
Isabela	26	2.29	33	2.91	690	60.83	4	0.35
Nueva Vizcaya	4	1.12	1	0.28	177	49.49	-	-
Quirino	4	2.81	2	1.40	76	53.36	-	-
Santiago City	64	60.14	1	0.94	30	28.19	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	NUTRITIONAL DEFICIENCIES (E40)		BRONCHITIS (J40)		GONOCOCCAL PNEUMONIA (J12-J18)		INFLUENZA (J10-J11)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 3	228	3.09	50	0.68	3,097	41.96	18	0.24
Bataan	14	2.67	9	1.71	143	27.23	1	0.19
Bulacan	32	1.67	13	0.68	925	48.17	10	0.52
Nueva Ecija	58	4.67	8	0.64	619	49.83	3	0.24
Pampanga	33	2.20	8	0.53	353	23.56	-	-
Tarlac	50	5.00	3	0.30	535	53.54	2	0.20
Zambales	20	4.81	8	1.93	154	37.07	2	0.48
Angeles City	11	4.41	1	0.40	87	34.85	-	-
Cabanatuan City	2	0.93	-	-	153	71.37	-	-
Olangapo City	-	-	-	-	43	23.56	-	-
Palayan City	-	-	-	-	17	56.23	-	-
San Jose City	8	7.73	-	-	68	65.71	-	-
Region 4	538	5.00	110	1.02	4,039	37.55	26	0.24
Aurora	2	1.16	-	-	41	23.72	4	2.31
Batangas	67	5.07	10	0.76	648	49.02	-	-
Cavite	69	4.29	26	1.62	765	47.55	7	0.44
Laguna	68	4.30	15	0.95	456	28.82	1	0.06
Marinduque	15	7.30	8	3.89	73	35.51	5	2.43
Mindoro Occidental	10	2.77	-	-	143	39.65	-	-
Mindoro Oriental	18	2.78	7	1.08	114	17.61	-	-
Palawan	14	2.54	9	1.63	105	19.05	4	0.73
Quezon	58	4.03	12	0.83	533	37.05	3	0.21
Rizal	132	8.64	7	0.46	726	47.54	1	0.07
Romblon	22	8.65	6	2.36	96	37.77	-	-
Batangas City	7	3.14	1	0.45	52	23.31	-	-
Cavite City	4	4.39	2	2.19	45	49.35	-	-
Lipa City	14	7.48	2	1.07	82	43.83	-	-
Lucena City	7	3.62	-	-	45	23.27	-	-
Puerto Princessa City	-	-	1	0.69	34	23.48	-	-
San Pablo City	29	14.97	3	1.55	61	31.50	1	0.52
Tagaytay City	-	-	1	3.23	11	35.53	-	-
Trece Martires City	2	9.23	-	-	9	41.53	-	-
Region 5	182	3.98	33	0.72	2,088	45.62	44	0.96
Albay	43	4.72	8	0.88	415	45.53	16	1.76
Camarines Norte	27	5.69	8	1.69	274	57.74	2	0.42
Camarines Sur	60	4.58	7	0.53	584	44.54	3	0.23
Catanduanes	5	2.33	1	0.47	146	68.06	2	0.93
Masbate	9	1.33	5	0.74	196	28.99	5	0.74
Sorsogon	34	5.53	3	0.49	354	57.54	11	1.79
Iriga City	-	-	-	-	39	46.93	5	6.02
Legaspi City	3	1.95	1	0.65	57	37.06	-	-
Naga City	1	0.73	-	-	23	16.81	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	NUTRITIONAL DEFICIENCIES (E40)		BRONCHITIS (J40)		GONOCOCCAL PNEUMONIA (J12-J18)		INFLUENZA (J10-J11)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 6	480	7.87	32	0.52	4,741	77.72	64	1.05
Aklan	29	6.71	6	1.39	258	59.67	2	0.46
Antique	36	7.91	4	0.88	653	143.50	4	0.88
Capiz	78	14.76	2	0.38	363	68.67	8	1.51
Guimaras	6	4.50	1	0.75	48	35.98	-	-
Iloilo	75	5.03	6	0.40	1,367	91.67	7	0.47
Negros Occidental	102	7.10	3	0.21	935	65.07	22	1.53
Bacolod City	40	9.18	5	1.15	308	70.66	3	0.69
Bago City	8	5.62	-	-	85	59.70	4	2.81
Cadiz City	8	6.26	1	0.78	90	70.46	-	-
Iloilo City	20	5.62	2	0.56	321	90.12	3	0.84
La Carlota City	9	15.45	1	1.72	48	82.40	-	-
Roxas City	5	3.87	-	-	50	38.65	-	-
Sagay City	20	14.90	-	-	63	46.94	9	6.71
San Carlos City	6	5.76	-	-	73	70.04	-	-
Silay City	38	28.36	1	0.75	79	58.97	2	1.49
Region 7	323	6.06	171	3.21	2,777	52.14	2	0.04
Bohol	50	5.13	31	3.18	575	58.99	1	0.10
Cebu	57	3.18	14	0.78	930	51.86	1	0.06
Negros Oriental	87	9.97	3	0.34	423	48.48	-	-
Siquijor	12	15.40	2	2.57	77	98.80	-	-
Bais City	2	3.04	-	-	35	53.16	-	-
Canlaon City	17	38.76	-	-	16	36.48	-	-
Cebu City	60	8.51	37	5.25	353	50.09	-	-
Danao City	-	-	-	-	28	32.81	-	-
Dumaguete City	2	2.00	9	8.98	31	30.94	-	-
Lapu-Lapu City	9	4.64	71	36.61	121	62.39	-	-
Mandawe City	17	8.25	1	0.49	73	35.41	-	-
Tagbilaran City	3	3.99	-	-	17	22.63	-	-
Toledo City	7	5.31	3	2.27	98	74.30	-	-
Region 8	109	3.04	32	0.89	1,951	54.34	31	0.86
Biliran	5	3.54	-	-	73	51.67	-	-
Leyte Del Norte	44	3.45	5	0.39	878	68.88	23	1.80
Leyte Del Sur	20	5.90	13	3.84	196	57.85	1	0.30
Eastern Samar	4	1.05	-	-	78	20.39	1	0.26
Northern Samar	22	4.56	5	1.04	220	45.63	3	0.62
Western Samar	2	0.41	6	1.23	107	21.92	2	0.41
Calbayog City	3	2.17	-	-	47	34.03	-	-
Ormoc City	5	3.20	1	0.64	127	81.27	-	-
Tacloban City	4	2.12	2	1.06	225	119.43	1	0.53

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	NUTRITIONAL DEFICIENCIES (E40)		BRONCHITIS (J40)		GONOCOCCAL PNEUMONIA (J12-J18)		INFLUENZA (J10-J11)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Region 9	79	2.63	21	0.70	722	24.02	2	0.07
Basilan	7	2.24	1	0.32	30	9.61	-	-
Zamboanga Del Norte	18	2.72	7	1.06	165	24.94	1	0.15
Zamboanga Del Sur	29	2.49	1	0.09	245	21.07	-	-
							1	
Dapitan City	5	7.50	7	10.50	42	62.99	-	-
Dipolog City	3	3.04	-	-	73	74.05	-	-
Pagadian City	7	5.05	-	-	25	18.05	-	-
Zamboanga City	10	1.77	5	0.88	142	25.13	-	-
Region 10	113	4.26	39	1.47	971	36.59	1	0.04
Bukidnon	14	1.37	8	0.78	158	15.44	-	-
Camiguin	3	4.24	3	4.24	42	59.29	-	-
Misamis Occidental	15	5.68	14	5.30	175	66.30	-	-
Misamis Oriental	27	5.18	8	1.54	287	55.09	-	-
Cagayan de Oro	27	5.72	3	0.64	161	34.14	-	-
Gingoog City	10	11.23	-	-	56	62.87	-	-
Oroquieta City	4	6.84	-	-	19	32.50	1	1.71
Ozamis City	6	5.56	3	2.78	49	45.37	-	-
Tangub City	7	14.74	-	-	24	50.52	-	-
Region 11	214	4.30	33	0.66	1,551	31.17	-	-
Cotabato South	54	8.05	2	0.30	252	37.57	-	-
Davao Oriental	7	1.61	-	-	137	31.46	-	-
Davao Del Norte	63	4.87	19	1.47	304	23.51	-	-
Davao Del Sur	55	7.81	3	0.43	237	33.65	-	-
Sarangani	-	-	2	0.50	56	13.90	-	-
Davao City	19	1.74	3	0.27	436	39.93	-	-
Gen. Santos City	16	4.24	4	1.06	129	34.20	-	-
Region 12	41	1.62	19	0.75	461	18.18	4	0.16
Lanao Del Norte	6	1.28	8	1.71	65	13.86	1	0.21
North Cotabato	11	1.19	6	0.65	116	12.51	1	0.11
Sultan Kudarat	8	1.42	1	0.18	133	23.62	2	0.36
Cotabato City	1	0.64	1	0.64	18	11.48	-	-
Iligan City	15	5.02	3	1.00	127	42.47	-	-
Marawi City	-	-	-	-	2	1.65	-	-

Table 25

**SELECTED CAUSES OF DEATH
BY HEALTH REGION, PROVINCE & CITY
No. & Rate/100,000 Population
Philippines, 1998**

AREA	NUTRITIONAL DEFICIENCIES (E40)		BRONCHITIS (J40)		GONOCOCCAL PNEUMONIA (J12-J18)		INFLUENZA (J10-J11)	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
A.R.M.M.	3	0.14	1	0.05	38	1.80	-	-
Lanao Del Sur	1	0.17	-	-	18	2.97	-	-
Maguindanao	1	0.14	-	-	10	1.41	-	-
Sulu	-	-	1	0.18	9	1.66	-	-
Tawi-Tawi	1	0.39	-	-	1	0.39	-	-
Caraga	75	3.60	22	1.06	572	27.44	-	-
Agusan Del Norte	7	2.48	2	0.71	96	34.05	-	-
Agusan Del Sur	33	5.73	1	0.17	63	10.94	-	-
Surigao Del Norte	18	5.10	5	1.42	125	35.43	-	-
Surigao Del Sur	15	3.01	9	1.81	135	27.10	-	-
Butuan City	2	0.76	5	1.90	122	46.36	-	-
Surigao City	-	-	-	-	31	27.45	-	-
NOT STATED	-	*	-	*	3	*	-	*

* population unknown

Table 28

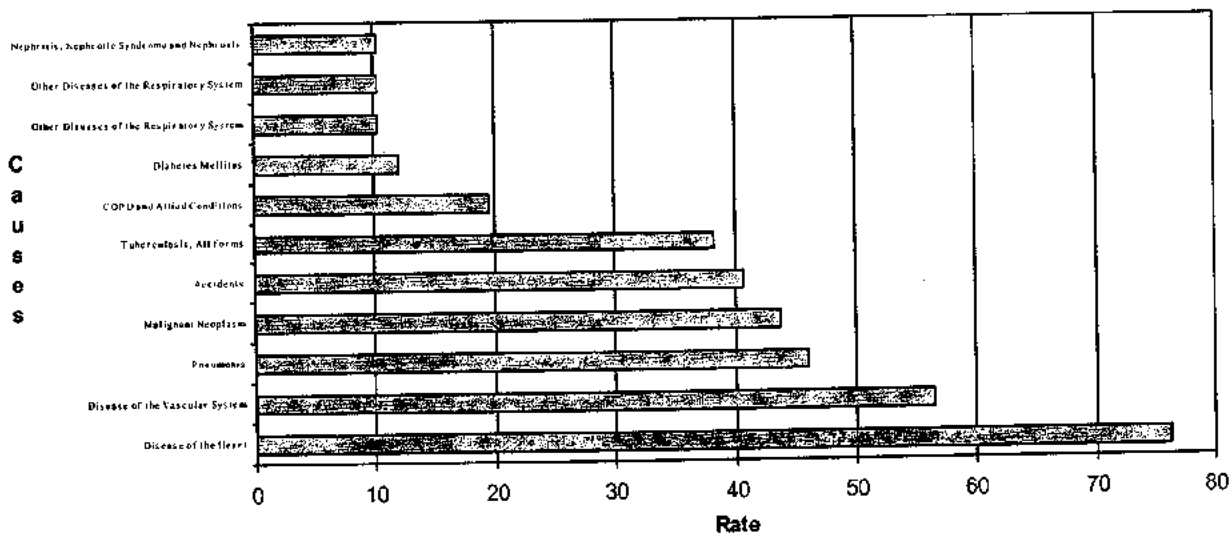
**Mortality: Ten (10) Leading Causes
Number & Rate/100,000 Population
Philippines
1978, 1988, 1998**

Causes	1998	
	Number	Rate
1. Diseases of the Heart (I00-I09; I11; I13; I21-I52)	55,830	76.3
2. Diseases of the Vascular System (I10; I12; I15; I60-I69; I70-I78; I80-I99)	41,380	56.6
3. Pneumonia (J12-J18)	33,709	46.1
4. Malignant Neoplasm (C00-C91)	32,090	43.9
5. Accidents (V01-X59; Y40-Y86)	29,874	40.8
6. Tuberculosis, All Forms (A10-A18; B90)	28,041	38.3
7. Chronic Obstructive Pulmonary Diseases and Allied Conditions (J40-J47)	14,228	19.5
8. Diabetes Mellitus (E10-E14)	8,819	12.1
9. Other Diseases of the Respiratory System (J95-J98)	7,516	10.3
10. Nephritis, Nephrotic Syndrome and Nephrosis (N00-N05; N17; N19; N25; N27)	7,453	10.2

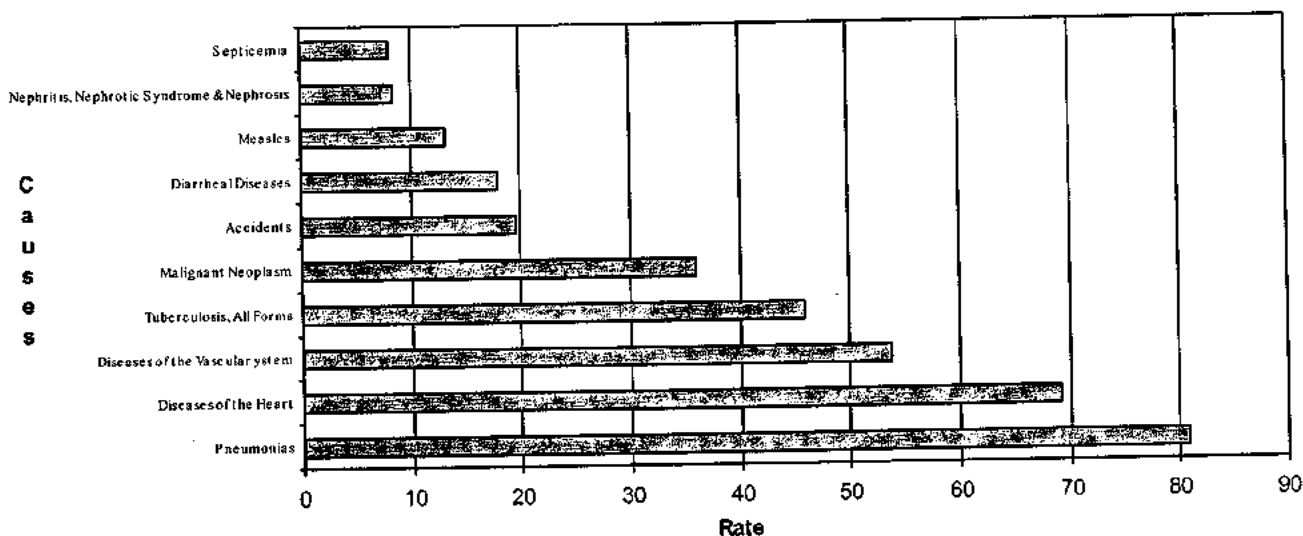
Causes	1988	
	Number	Rate
1. Pneumonia (J12-J18)	47,444	80.8
2. Diseases of the Heart (I00-I09; I11; I13; I21-I52)	40,566	69.1
3. Diseases of the Vascular System (I10; I12; I15; I60-I69; I70-I78; I80-I99)	31,504	53.7
4. Tuberculosis, All Forms (A10-A18; B90)	27,020	46.0
5. Malignant Neoplasm (C00-C91)	21,184	36.1
6. Accidents (V01-X59; Y40-Y86)	11,456	19.5
7. Diarrheal Diseases (A09)	10,511	17.9
8. Measles (B05)	7,775	13.2
9. Nephritis, Nephrotic Syndrome and Nephrosis (N00-N05; N17; N19; N25; N27)	4,930	8.4
10. Septicemia (A41)	4,694	8.0

Causes	1978	
	Number	Rate
1. Pneumonia (J12-J18)	45,667	100.3
2. Tuberculosis, All Forms (A10-A18; B90)	28,398	62.4
3. Diseases of the Heart (I00-I09; I11; I13; I21-I52)	25,768	56.6
4. Diseases of the Vascular System (I10; I12; I15; I60-I69; I70-I78; I80-I99)	18,783	41.3
5. Gastro-Enteritis and Colitis (A09)	15,717	34.5
6. Malignant Neoplasm (C00-C91)	14,158	31.1
7. Accidents (V01-X59; Y40-Y86)	12,774	28.1
8. Avitaminoses & other Nutritional Deficiency (E40-E64)	8,756	19.2
9. Bronchitis, Emphysema and Asthma (J40-J43; J45)	5,929	13.0
10. Measles (B05)	5,605	12.3

Mortality: Leading Causes
Rate / 100,000 Population, Philippines, 1998



Mortality: Leading Causes
Rate / 100,000 Population, Philippines, 1988



Mortality: Leading Causes
Rate / 100,000 Population, Philippines, 1978

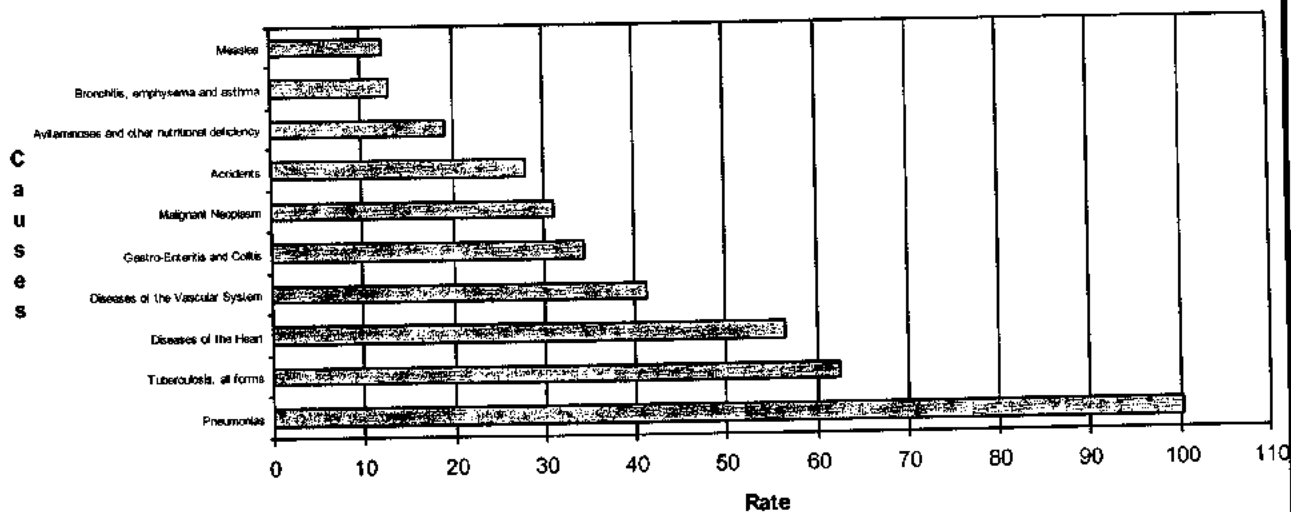


Fig. 24

Table 31

Infant Mortality: By Gender, By Region
Number & Rate/1000 Livebirths
Philippines, 1998

Area	Both Sexes	Rate	Male	Female
Philippines	28,196	17.3	16,655	11,541
National Capital Region	6,798	23.5	4,001	2,797
C.A.R.	341	11.3	199	142
Region 1	2,017	21.1	1,220	797
Region 2	857	16.4	483	374
Region 3	2,621	14.1	1,534	1,087
Region 4	5,002	18.3	2,972	2,030
Region 5	1,796	16.1	1,039	757
Region 6	2,214	20.0	1,294	920
Region 7	2,285	16.3	1,357	928
Region 8	941	16.4	569	372
Region 9	743	14.6	436	307
Region 10	721	13.0	437	284
Region 11	1,066	11.5	647	419
Region 12	366	9.0	220	146
A.R.M.M.	23	3.4	13	10
CARAGA	403	11.4	233	170
Foreign Nationals	2	17.9	1	1

Table 32

Maternal Mortality: By Main Cause
Number & Rate/1000 Livebirths & Percentage Distribution
Philippines, 1998

Cause	1998		
	Number	Rate	Percent
Total	1,579	1.0	100.0
Normal delivery and other complications related to pregnancy occurring in the course of labor, delivery and puerperium (O21;O23-O25;O30;O32-O36; O40-O42;O47-O48;O62-O66;O69-O71;O73-O75; O80-O82; O84-O85; O87-O88; O90-O92; O98-O99)	603	0.4	38.2
Hypertension complicating pregnancy childbirth and puerperium (O10;O15;O16)	425	0.3	26.9
Postpartum hemorrhage (O72)	286	0.2	18.1
Pregnancy with abortive outcome (O00-O08)	144	0.1	9.1
Hemorrhages related to pregnancy (O20;O45-O47)	121	0.1	7.7

Maternal Mortality by Main Cause Percentage Distribution Philippines, 1998

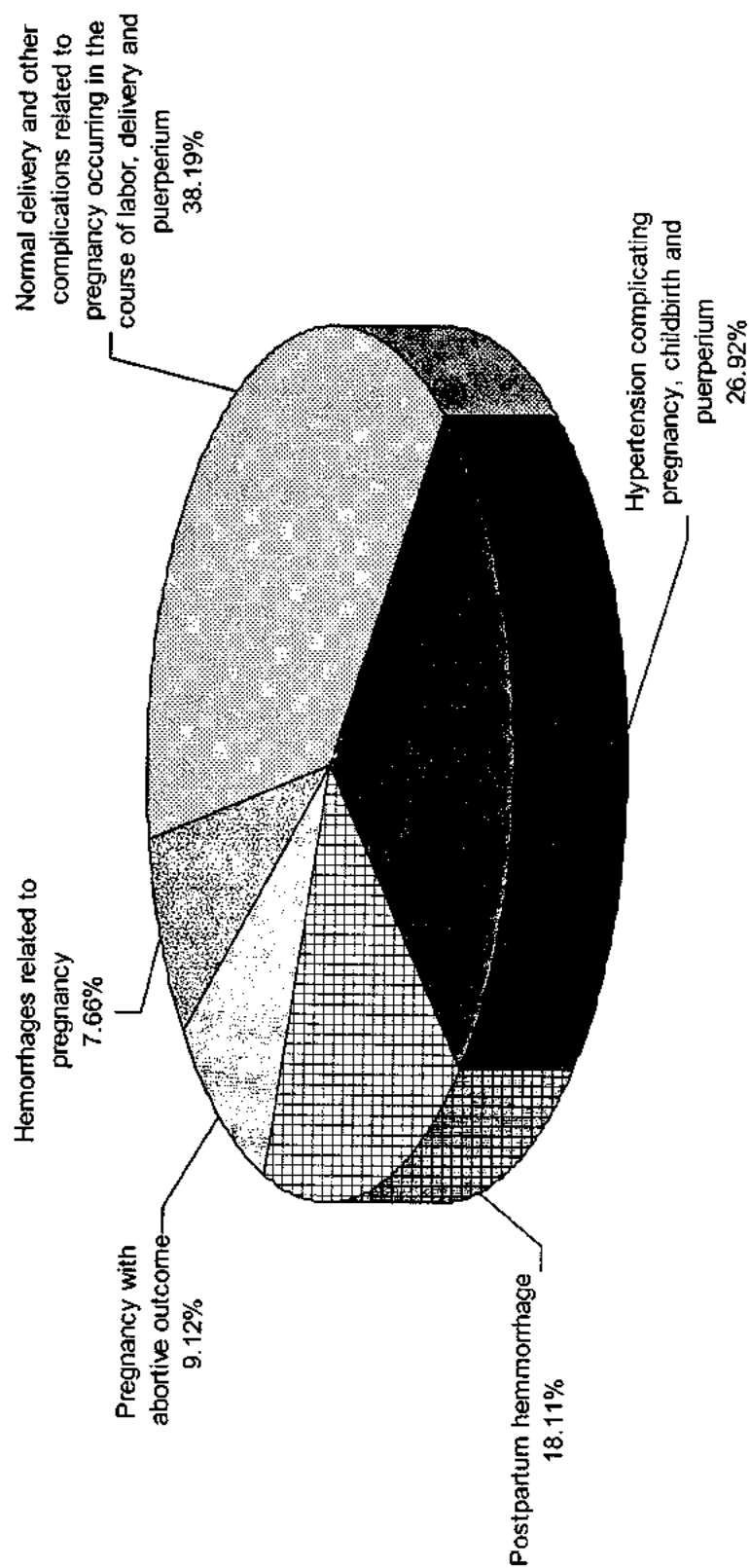


Fig. 27

Table 33

**Maternal Mortality: By Age Group & Health Region
Number & Rate/1000 Livebirths & Percentage Distribution
Philippines, 1998**

Region	Age Distribution					
	Total			Under 15 years		
	Number	Rate**	Percent	Number	Rate*	Percent
Philippines	1,579	1.0	100.0	-	0.0	0.0
National Capital Region	175	0.6	11.1	-	0.0	0.0
C.A.R.	16	0.1	1.0	-	0.0	0.0
Region 1	94	0.1	6.0	-	0.0	0.0
Region 2	59	0.1	3.7	-	0.0	0.0
Region 3	135	0.7	8.5	-	0.0	0.0
Region 4	237	0.9	15.0	-	0.0	0.0
Region 5	177	1.6	11.2	-	0.0	0.0
Region 6	129	0.1	8.2	-	0.0	0.0
Region 7	147	0.1	9.3	-	0.0	0.0
Region 8	87	1.5	5.5	-	0.0	0.0
Region 9	88	1.7	5.6	-	0.0	0.0
Region 10	47	0.8	3.0	-	0.0	0.0
Region 11	94	1.0	6.0	-	0.0	0.0
Region 12	42	1.0	2.7	-	0.0	0.0
ARMM	7	1.0	0.4	-	0.0	0.0
CARAGA	45	1.3	2.8	-	0.0	0.0

* Rate according to corresponding Age-Group

** Rate per 1000 livebirths of the corresponding Region

Table 33

Maternal Mortality: By Age Group & Health Region
Number & Rate/1000 Livebirths & Percentage Distribution
Philippines, 1998

Region	Age Distribution					
	15 - 19 years			20 - 24 years		
	Number	Rate*	Percent	Number	Rate*	Percent
Philippines	99	0.9	100.0	291	0.6	100.0
National Capital Region	12	0.6	12.1	37	0.4	12.7
C.A.R.	-	0.0	0.0	3	0.4	1.0
Region 1	7	1.0	7.1	12	0.5	4.1
Region 2	7	1.5	7.1	10	0.6	3.4
Region 3	7	0.5	7.1	34	0.6	11.7
Region 4	18	0.9	18.2	36	0.5	12.4
Region 5	11	1.9	11.1	26	0.9	8.9
Region 6	8	1.5	8.1	24	0.9	8.2
Region 7	6	0.6	6.1	25	0.6	8.6
Region 8	2	0.6	2.0	17	1.2	5.8
Region 9	4	1.2	4.0	13	0.9	4.5
Region 10	6	1.6	6.1	12	0.8	4.1
Region 11	7	1.0	7.1	17	0.7	5.8
Region 12	2	0.7	2.0	9	0.8	3.1
ARMM	-	0.0	0.0	-	0.0	0.0
CARAGA	2	1.1	2.0	16	1.9	5.5

* Rate according to corresponding Age-Group

** Rate per 1000 livebirths of the corresponding Region

Table 33

Maternal Mortality: By Age Group & Health Region
Number & Rate/1000 Livebirths & Percentage Distribution
Philippines, 1998

Region	Age Distribution					
	25 - 29 years			30 -34 years		
	Number	Rate*	Percent	Number	Rate*	Percent
Philippines	331	0.7	100.0	325	1.0	100.0
National Capital Region	39	0.4	11.8	41	0.7	12.6
C.A.R.	5	0.6	1.5	4	0.7	1.2
Region 1	22	0.8	6.6	23	1.2	7.1
Region 2	10	0.6	3.0	14	1.4	4.3
Region 3	33	0.6	10.0	28	0.8	8.6
Region 4	47	0.6	14.2	52	1.0	16.0
Region 5	30	1.0	9.1	42	1.8	12.9
Region 6	22	0.7	6.6	24	1.0	7.4
Region 7	34	0.9	10.3	26	0.9	8.0
Region 8	15	1.0	4.5	15	1.3	4.6
Region 9	25	1.7	7.6	17	1.7	5.2
Region 10	7	0.5	2.1	5	0.5	1.5
Region 11	24	0.9	7.3	16	0.9	4.9
Region 12	8	0.7	2.4	8	1.0	2.5
ARMM	3	1.5	0.9	1	0.7	0.3
CARAGA	7	0.7	2.1	9	1.1	2.8

* Rate according to corresponding Age-Group

** Rate per 1000 livebirths of the corresponding Region

Table 34

FETAL DEATHS BY CAUSE AND TYPE OF ATTENDANCE
Philippines, 1998

Cause	Total Fetal Deaths	Attendant						
		Physician	Nurse	Midwife	Unlicensed Midwife	Others	None	Not Stated
Maternal hypertensive disorders (P00.0)	134	116	2	2	5	1	1	7
Maternal renal and urinary tract infection (P00.1)	2	2	-	-	-	-	-	-
Maternal infection (P00.2)	26	12	-	6	4	-	-	4
Other chronic maternal circulatory and respiratory diseases (P00.3)	2	1	-	-	1	-	-	-
Maternal nutritional disorders (P00.4)	5	3	-	-	2	-	-	-
Maternal injury (P00.5)	4	-	-	3	-	-	-	1
Surgical Operation on mother	1	1	-	-	-	-	-	-
Fetus or newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.8)	3	3	-	-	-	-	-	-
Fetus or newborn affected by unspecified maternal conditions which may be unrelated present pregnancy (P00.9)	5	3	-	2	-	-	-	-
Incompetent cervix (P01.0)	-	-	-	-	-	-	-	-
Premature rupture of membranes (P01.1)	9	6	-	1	-	-	1	1
Oligohydramnios (P01.2)	14	13	1	-	-	-	-	-
Polyhydramnios (P01.3)	4	4	-	-	-	-	-	-
Ectopic pregnancy (P01.4)	-	-	-	-	-	-	-	-
Multiple pregnancy (P01.5)	16	12	-	1	-	-	-	3
Malpresentation before labour (P01.7)	27	13	-	5	3	-	-	6
Fetus or newborn affected by other maternal complications of pregnancy (P01.8)	4	2	-	-	-	-	-	2
Fetus or newborn affected by unspecified maternal complications of pregnancy (P01.9)	-	-	-	-	-	-	-	-
Placenta praevia (P02.0)	16	14	-	1	-	-	-	1
Other forms of placental separation and haemorrhage (P02.1)	36	32	-	1	2	-	-	1
Other and unspecified morphological and functional abnormalities of placenta (P02.2)	336	245	3	20	23	-	2	43
Placental transfusion syndrome (P02.3)	2	1	-	-	-	-	-	1
Prolapsed cord (P02.4)	8	7	-	-	-	-	-	1
Other compression of umbilical cord (P02.5)	94	72	1	8	7	-	2	4
Other and unspecified conditions of umbilical cord (P02.6)	1	1	-	-	-	-	-	-
Chorioamnionitis (P02.7)	4	4	-	-	-	-	-	-
Other abnormalities of chorion and amnion	3	2	-	1	-	-	-	-
Unspecified abnormality of chorion & amnion	-	-	-	-	-	-	-	-
Breech delivery and extraction (P03.0)	-	-	-	-	-	-	-	-
Other malpresentation, malposition and disproportion during labour & delivery (P03.1)	20	14	-	2	4	-	-	-
Caesarean delivery (P03.4)	1	1	-	-	-	-	-	-
Maternal anaesthesia and analgesia (P04.0)	-	-	-	-	-	-	-	-
Abnormal uterine contractions (P03.6)	-	-	-	-	-	-	-	-
Other complications of labour and delivery (P03.8)	50	28	-	6	9	1	-	6
Fetus or newborn affected by unspecified complications of labour & delivery (P03.9)	1	-	-	-	1	-	-	-
Unspecified maternal condition	1,134	469	15	133	211	8	28	270
Others	4,270	2,808	41	381	645	30	75	290
TOTAL - Number	6,232	3,889	63	573	917	40	109	641
- Percent	100.0	62.4	1.0	9.2	14.7	0.6	1.7	10.3

Fetal Deaths by Attendance
Percentage Distribution
Philippines, 1998

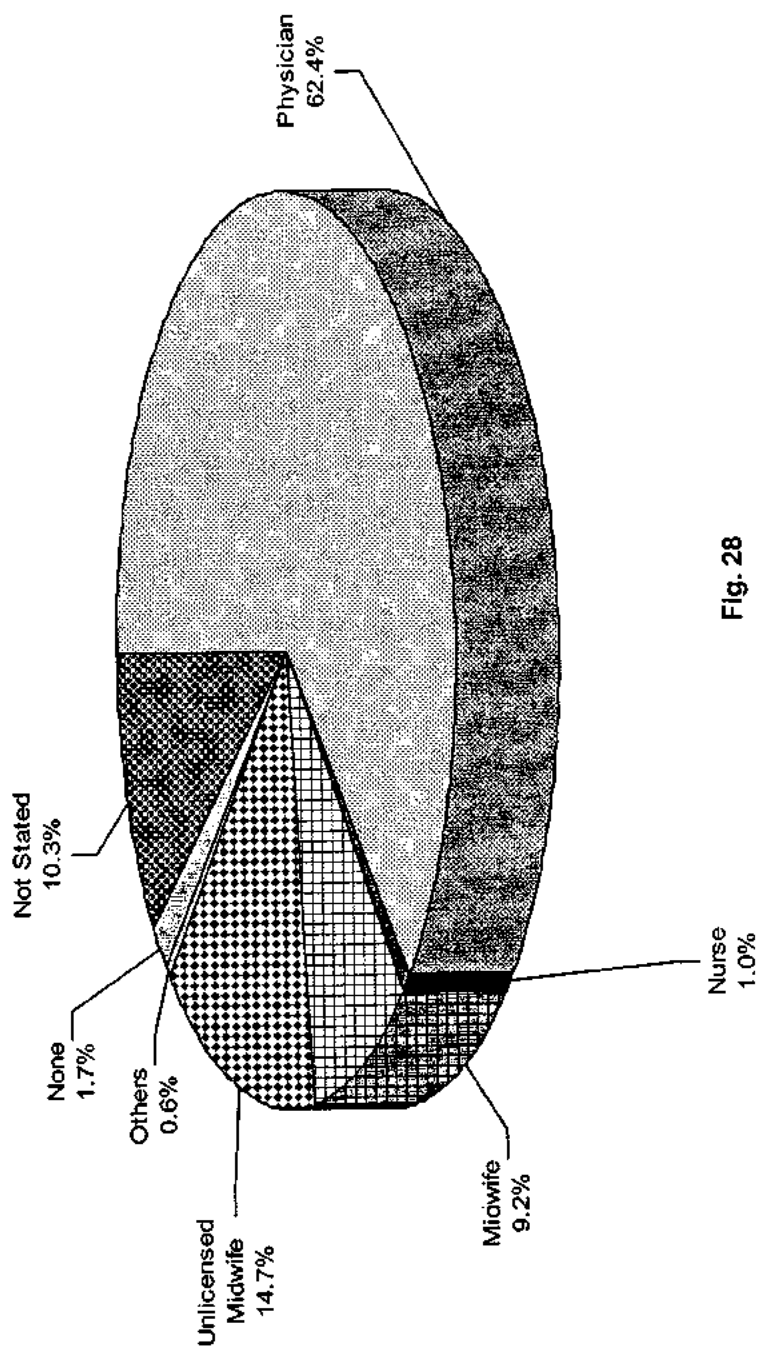


Fig. 28

Table 35

FETAL DEATHS BY SELECTED CAUSE AND BIRTH WEIGHT

No. & Percentage Distribution

Philippines, 1998

CAUSE	4,000 to 4,499 grams		4,500 to 4,999 grams		5,000 and over		Not Stated	
	No.	%	No.	%	No.	%	No.	%
Maternal hypertensive disorders	2	1.0	1	0.5	-	-	65	33.3
Maternal renal and urinary tract infection	-	-	-	-	-	-	-	-
Maternal infection	1	2.3	-	-	-	-	13	30.2
Other chronic maternal circulatory and respiratory diseases	-	-	-	-	-	-	1	12.5
Maternal nutritional disorders	-	-	-	-	-	-	3	23.1
Maternal injury	-	-	-	-	-	-	9	75.0
Other fetus or newborn affected by maternal conditions which may be unrelated to present pregnancy	-	-	1	50.0	-	-	1	50.0
Unspecified fetus or newborn affected by maternal conditions which may be unrelated present pregnancy	-	-	-	-	-	-	3	50.0
Incompetent cervix	-	-	-	-	-	-	-	-
Premature rupture of membranes	-	-	1	5.6	-	-	8	44.4
Oligohydramnios	-	-	-	-	-	-	1	8.3
Polyhydramnios	-	-	-	-	-	-	5	50.0
Ectopic pregnancy	-	-	-	-	-	-	1	50.0
Multiple pregnancy	1	5.3	-	-	-	-	6	31.6
Malpresentation before labour	3	5.8	-	-	-	-	20	38.5
Other fetus or newborn affected by maternal complications of pregnancy	-	-	-	-	-	-	5	55.6
Unspecified fetus or newborn affected by maternal complications of pregnancy	-	-	-	-	-	-	1	100.0
Placenta praevia	1	3.2	1	3.2	-	-	9	29.0
Other forms of placental separation and haemorrhage	-	-	-	-	-	-	17	27.9
Other and unspecified morphological and functional abnormalities	5	1.0	2	0.4	1	0.2	192	38.9
Placental transfusion syndrome	-	-	-	-	-	-	-	-
Prolapsed cord	-	-	-	-	-	-	12	33.3
Other compression of umbilical cord	3	1.9	-	-	1	0.6	58	36.3
Other and unspecified conditions of umbilical cord	-	-	-	-	-	-	-	-
Chorioamnionitis	-	-	-	-	-	-	2	50.0
Other abnormalities of chorion and amnion	-	-	-	-	-	-	1	25.0
Unspecified abnormality of chorion & amnion	-	-	-	-	-	-	2	33.3
Breech delivery and extraction	-	-	-	-	-	-	3	37.5
Other malpresentation, malposition and disproportion during labour & delivery	2	4.8	-	-	-	-	13	31.0
Caesarean delivery	-	-	-	-	-	-	-	-
Maternal anaesthesia and analgesia	-	-	-	-	-	-	1	100.0
Abnormal uterine contractions	-	-	-	-	-	-	1	100.0
Other complications of labour and delivery	3	3.2	2	2.1	-	-	28	29.8
Unspecified fetus or newborn affected by other complications of labour & delivery	-	-	-	-	-	-	2	100.0
Unspecified maternal condition	18	1.0	5	0.3	2	0.1	870	48.4
Others	102	1.6	52	0.8	28	0.4	1,977	30.2
TOTAL	141	1.5	65	0.7	32	0.3	3,330	34.3

Table 36

**Fetal Deaths by Age of Mother and Birth Order
Philippines, 1998**

Birth Order	Total Fetal Deaths	Age of Mother (Years)								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and over	Not Stated
First	1,560	-	275	592	421	181	73	11	1	6
Second	1,073	-	73	396	302	189	90	16	1	6
Third	750	-	15	148	251	175	123	33	3	2
Fourth	530	-	3	43	160	168	120	29	3	4
Fifth	365	-	1	20	72	107	114	40	6	5
Sixth	215	-	-	7	26	61	81	34	4	2
Seventh	162	-	-	-	8	51	63	30	9	1
Eight & Over	301	-	-	1	9	45	121	93	28	4
Not Stated	1,276	1	95	271	294	239	183	76	8	109
Total Fetal Death	6,232	1	462	1,478	1,543	1,216	968	362	63	139
Percent	100.0	0.0	7.4	23.7	24.8	19.5	15.5	5.8	1.0	2.2
Rate *	3.8	1.4	4.0	3.3	3.3	3.7	5.1	5.6	7.2	48.0
Total Livebirths by Age of Mother	1,632,859	721	114,519	452,083	473,598	326,807	189,249	64,254	8,731	2,897

* per 1,000 livebirths of the corresponding age-group of mother

Table 38

**Ten (10) Leading Causes of Child Mortality
by Age- Group & Sex
Number & Rate / 100,000 Population
Philippines, 1998**

Cause	1-4 Years			
	Male	Female	Both Sexes	Rate*
1. Pneumonia (J12-J18)	1,846	1,604	3,450	45.46
2. Non-specific Diarrheas (A09)	711	540	1,251	16.48
3. Other ill-defined causes of mortality (R99)	379	276	655	8.63
4. Congenital Anomalies (Q00-Q99)	330	291	621	8.18
5. Dengue-hemorrhagic fever (A90-A99)	217	275	492	6.48
6. Septicemia (A41)	254	231	485	6.39
7. Accidents caused by submersion, suffocation and foreign bodies (W44-W45; W65-W84)	285	165	450	5.93
8. Meningitis (G00-G03)	227	159	386	5.09
9. Measles (B05)	185	154	339	4.47
10. Chronic obstructive pulmonary disease and allied conditions (J40-J47)	157	156	313	4.12

Cause	5-9 Years			
	Male	Female	Both Sexes	Rate*
1. Pneumonia (J12-J18)	467	406	873	9.61
2. Dengue hemorrhagic fever (A90-A99)	337	444	781	8.60
3. Motor vehicle traffic accidents (V20-V79; V82; V87)	280	169	449	4.94
4. Accidents caused by submersion, suffocation and foreign bodies (W44-W45; W65-W84)	296	130	426	4.69
5. Other ill-defined causes of mortality (R99)	171	139	310	3.41
6. Non-specific Diarrheas (A09)	180	124	304	3.35
7. Injury undetermined whether accidentally or purposely inflicted (Y10-Y34)	160	114	274	3.02
8. Congenital anomalies (Q00-Q99)	129	100	229	2.52
9. Septicemia (A41)	113	70	183	2.01
10. Leukemia (C91)	102	67	169	1.86

Cause	10-14 Years			
	Male	Female	Both Sexes	Rate*
1. Pneumonia (J12-J18)	263	205	468	5.58
2. Accidents caused by submersion, suffocation and foreign bodies (W44-W45; W65-W84)	252	141	393	4.69
3. Motor vehicle traffic accidents (V20-V79; V82; V87)	201	98	299	3.56
4. Injury undetermined whether accidentally or purposely inflicted (Y10-Y34)	173	87	260	3.10
5. Dengue hemorrhagic fever (A90-A99)	120	124	244	2.91
6. Chronic rheumatic heart disease (I05-I09)	118	111	229	2.73
7. Other ill-defined causes of mortality (R99)	108	109	217	2.59
8. Congenital Anomalies (Q00-Q99)	85	76	161	1.92
9. Leukemia (C91)	88	56	144	1.72
10. Diseases of pulmonary circulation and other forms of heart disease (I26-I28; I30-I52)	72	72	144	1.72

* rate per 100,000 population of corresponding age-group

Table 39

Mortality Among Immunizable Diseases
(Under 1; 1 - 4; 5 - 9; 10 - 14 Years)
Number & Rate/100,000 Population
Philippines, 1998

Cause	Under 1		1 - 4 Years		5 - 9 Years		10 - 14 Years	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1. Measles (B05)	255	13.0	339	4.5	51	0.6	22	0.3
2. Tetanus (A35)	32	1.6	25	0.3	49	0.5	87	1.0
3. Tuberculosis of Meninges (A17)	46	2.4	116	1.5	98	1.1	64	0.8
4. Diphtheria (A36)	4	0.2	9	0.1	7	0.1	0	0.0
5. Other Tuberculosis (A14-A18;B90)	0	0.0	4	0.1	12	0.1	17	0.2
6. Acute Poliomyelitis, including late effects (A80)	1	0.1	3	0.04	6	0.1	4	0.0