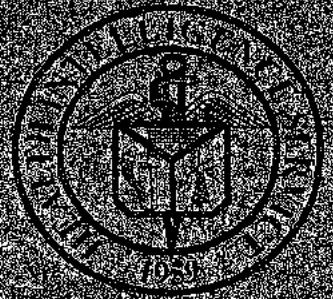


NINA U. CUETO

1991



# *Philippine Health Statistics*



HEALTH INTELLIGENCE SERVICE  
DEPARTMENT OF HEALTH

URL - a

91



Republic of the Philippines

Department of Health

## OFFICE OF THE SECRETARY

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### FOREWORD

The Department of Health, through the Health Intelligence Service, in line with its functions, and always aware of the major role that Health Statistics plays in Public Health, takes pleasure in presenting this report - Philippine Health Statistics, 1991.

This report represents the final statistical data collected on Births, Deaths, Fetal and Maternal Deaths and Notifiable Diseases as they were registered and reported during the year 1991. In line with a collaborative and coordinated effort in the field of Vital Statistics, the statistical data on Births, Deaths, Fetal and Maternal Deaths were provided by the National Statistics Office. However, Provincial Population Estimates were provided by the University of the Philippines Population Institute using the exponential formula for calculating the rate of growth following the trend in the rate of growth from 1970 to 1990. Data on Notifiable Diseases were collected through established mechanisms of DOH reporting by all field health personnel throughout the country. The data from these two sources have been summarized, sorted, analyzed and interpreted. Such meaningful information extracted is presented in tables and graphs and published in this report which are disseminated to the health administrators at various levels, researchers, and academicians as well as local government officials.

It is hoped that this annual report on Philippine Health Statistics will provide those concerned with the prevention and maintenance of the health of the nation, the necessary statistical basis for the planning, implementation and evaluation of health programs and services.

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

  
JUAN M. FLAVIER, M.D., M.P.H.  
Secretary of Health

December 16, 1994

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**PHILIPPINE HEALTH STATISTICS**  
**1 9 9 1**

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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 Census and Statistics Office (NCSO) now National Statistics Office (NSO) whereby that Office shall provide basic tabulation on births and deaths thereby making it possible for the Health Intelligence Service to discontinue its collection and mechanical processing of such data. Raw data on births, deaths and fetal deaths were taken from the said Office. The basis of the registration of vital events is Act No. 3753 otherwise known as the Civil Registry Law. By virtue of Commonwealth Act 591, the Director of the Bureau of Census and Statistics (now the Administrator of the National Statistics Office) concurrently is the Civil Registrar-General and all local civil registrars are under his supervision. In the cities, the local civil registrars are the officials designated in their respective city charters generally the City Health Officers, while in regular municipalities and municipal districts, the local civil registrars are the municipal treasurers and municipal district treasurers, respectively. Each vital event is registered in the office of the civil registrar of the locality where the event occurred and a copy of each document is sent to the Office of the Civil Registrar-General within the first ten days of the succeeding month.
2. NOTIFIABLE DISEASES STATISTICS - Data on Notifiable Diseases is based on information gathered by field health personnel. The Law on Reporting of Notifiable Diseases (Act 3573) provides that any cases of Notifiable Diseases shall be reported immediately to the nearest health officer. All field health officers by means of established reporting mechanism (Memorandum Order No. 51-a.s. 1960) submit through the Provincial and City Health Officers, collective morbidity reports (W1-a, W1-b) weekly to the Health Intelligence Service where such data received are then edited, classified, compiled, analyzed and interpreted.
3. POPULATION STATISTICS - The official population estimates since 1931, as computed by the National Statistics Office, using the geometric method are presented in this report. 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, lower by 0.36 percent from the 1980 level. By population size, the Philippines ranked ninth in Asia and Thirteenth 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 - Livebirths; deaths from all causes; infant, maternal and fetal deaths; and data on notifiable diseases have been classified by place of occurrence-region, province and city - the first being a geographical division created as a result of the reorganization of the Department of Health and other two being political divisions of the country. There are fourteen (14) regions, seventy five (75) provinces and sixty (60) cities. There is no classification of the place of occurrence as to whether it is rural or urban because of the lack of standard criteria.

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

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

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

## C. ANALYSIS AND INTERPRETATION OF DATA

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 risen under the same circumstances. In accordance with certain statistical assumptions, the probable range of values may be estimated from the actual figures.

2. COMPUTATION OF STATISTICAL INDICES - In the computation of statistical indices for the Philippines and each health region, province and city, the standard formula are used. Thus, the crude birth and death rates are computed per 1,000 population; the infant, neonatal, maternal and fetal death rates are per 1,000 livebirths; and the specific diseases morbidity and mortality rates classified either by age, age and sex are 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 (Act. 3753) and the reporting of Notifiable Diseases (Act 3573) there are deficiencies in the observance of the Law due to a variety of factors.

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 - 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) was 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 to 1995 provincial population using the exponential formula for estimating the rate of growth following the trend in the rate of growth from 1970-1990.

It is encouraging to know that when the estimated provincial population are summed up, the resulting value is only 9,496 below the total estimated official national population.

# PHILIPPINE HEALTH PICTURE

## 1971 - 1991



### POPULATION

INCREASED FROM 37,959,000 TO 63,620,672  
67.6% INCREASE



### CRUDE BIRTH RATE

INCREASED FROM 25.4 TO 25.8  
1.6% INCREASE



### CRUDE DEATH RATE

DECLINED FROM 6.6 TO 4.7  
28.8% DECREASE



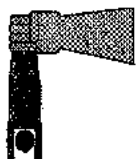
### INFANT DEATH RATE

DECLINED FROM 62.0 TO 20.9  
66.3% DECREASE



### MATERNAL DEATH RATE\*

DECLINED FROM 1.3 TO 0.7  
46.2% DECREASE



### NEONATAL DEATH RATE\*\*

DECLINED FROM 13.5 TO 7.3  
45.9% DECREASE



### TUBERCULOSIS DEATH RATE

DECLINED FROM 68.6 TO 35.9  
47.7% DECREASE



### LIFE EXPECTANCY AT BIRTH

MALE 63.1      FEMALE 66.7  
BOTH SEXES - 64.9 YRS.

\* SINCE 1940

\*\* SINCE 1961

TABLE 1

**ESTIMATED POPULATION BY SEX  
PHILIPPINES, 1941 - 1991**

<b>YEAR</b>	<b>BOTH SEXES</b>	<b>MALE</b>	<b>FEMALE</b>
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	20,315,800	10,184,300	10,131,500
1949	19,689,800	9,874,400	9,815,400
1948	19,143,800	9,607,000	9,536,800
1947	18,785,700	9,431,700	9,354,000
1946	18,434,400	9,259,700	9,174,700
1945	18,089,600	9,090,700	8,998,900
1944	17,751,200	8,924,800	8,826,400
1943	17,419,200	8,762,000	8,657,200
1942	17,093,400	8,602,200	8,491,200
1941	16,773,700	8,445,200	8,328,500

# ESTIMATED POPULATION

PHILIPPINES

1941 - 1991

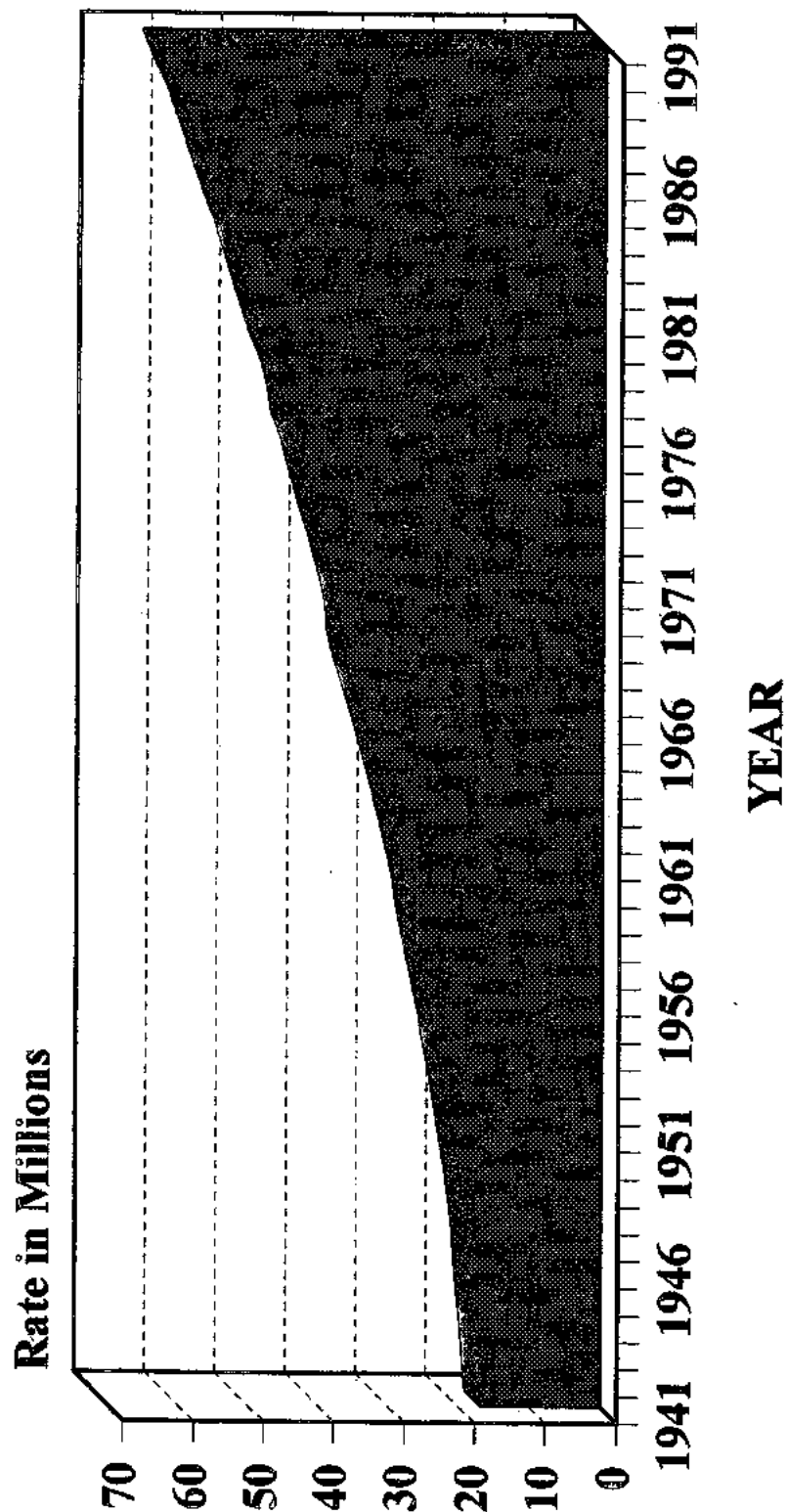


Fig. 2

TABLE 2

# ESTIMATED POPULATION BY HEALTH REGION, PROVINCE AND CITY PHILIPPINES 1991

7

AREA	POPULATION	AREA	POPULATION
<b><u>PHILIPPINES</u></b>	<b><u>63,620,672</u></b>	CABANATUAN CITY	198,669
<b><u>NAT. CAP. REGION</u></b>	<b><u>8,295,323</u></b>	OLONGAPO CITY	200,168
1ST DIST. MANILA	2,603,348	PALAYAN CITY	22,101
2ND DIST. MUN.	989,941	SAN JOSE CITY	101,148
QUEZON CITY	1,747,359	<b><u>REGION 4</u></b>	<b><u>8,753,209</u></b>
3RD DIST. MUN.	803,662	AURORA	146,836
CALOOCAN CITY	815,811	BATANGAS	1,189,328
4TH DIST. MUN.	954,949	CAVITE	1,101,754
PASAY CITY.	380,253	LAGUNA	1,294,932
<b><u>C.A.R</u></b>	<b><u>1,202,857</u></b>	MARINDUQUE	189,780
ABRA	193,548	MINDORO OCC	291,126
BENGUET	318,441	MINDORO OR	572,035
IFUGAO	157,549	PALAWAN	458,033
KALINGA APAYAO	216,648	QUEZON	1,274,995
MT. PROVINCE	121,281	RIZAL	1,067,535
		ROMBLON	238,642
BAGUIO CITY	195,390	BATANGAS CITY	195,186
<b><u>REGION 1</u></b>	<b><u>3,742,170</u></b>	CAVITE CITY	93,811
ILOCOS NORTE	396,053	LIPA CITY	170,367
ILOCOS SUR	544,618	LUCENA CITY	159,701
LA UNION	576,160	PUERTO PRINCESA CITY	95,876
PANGASINAN	1,875,698	SAN PABLO CITY	169,780
		TAGAYTAY CITY	25,384
DAGUPAN CITY	129,631	TRECE MARTIRES CITY	18,108
LAOAG CITY	88,572	<b><u>REGION 5</u></b>	<b><u>4,051,837</u></b>
SAN CARLOS CITY	131,438	ALBAY	804,541
<b><u>REGION 2</u></b>	<b><u>2,436,756</u></b>	CAMARINES NORTE	415,276
BATANES	16,063	CAMARINES SUR	1,131,109
CAGAYAN	862,272	CATANDUANES	193,097
ISABELA	1,126,720	MASBATE	608,419
NUEVA VIZCAYA	312,775	SORSOGON	532,939
QUIRINO	118,926	IRIGA CITY	89,436
<b><u>REGION 3</u></b>	<b><u>6,526,418</u></b>	LEGASPI CITY	127,125
BATAAN	444,063	NAGA CITY	149,895
BULACAN	1,586,727	<b><u>REGION 6</u></b>	<b><u>5,617,965</u></b>
NUEVA ECIJA	1,055,045	AKLAN	395,183
PAMPANGA	1,373,558	ANTIQUE	424,065
TARLAC	907,585	CAPIZ	466,745
ZAMBALES	391,482	ILOILO	1,523,986
		NEGROS OCC.	1,429,355
ANGELES CITY	245,872	BACOLOD CITY	387,655

TABLE 2

**ESTIMATED POPULATION  
BY HEALTH REGION, PROVINCE AND CITY  
PHILIPPINES  
1991**

AREA	POPULATION	AREA	POPULATION
BAGO CITY	127,535	DAPITAN CITY	60,790
CADIZ CITY	120,782	DIPOLOG CITY	83,694
ILOILO CITY	329,304	PAGADIAN CITY	111,023
LA CARLOTA CITY	59,544	ZAMBOANGA CITY	451,556
ROXAS CITY	143,972		
SAN CARLOS CITY	111,895	<b>REGION 10</b>	<b>3,657,039</b>
SILAY CITY	97,944		
<b>REGION 7</b>	<b>4,798,165</b>	AGUSAN DEL NORTE	248,037
		AGUSAN DEL SUR	457,282
BOHOL	932,574	BUKIDNON	880,929
CEBU	1,597,126	CAMIGUIN	67,269
NEGROS OR	766,480	MISAMIS OCC.	243,525
SIQUIJOR	75,985	MISAMIS OR	453,656
		SURIGAO DEL NORTE	329,968
BAIS CITY	62,452	BUTUAN CITY	241,028
CANLAON CITY	39,576	CAGAYAN DE ORO	356,056
CEBU CITY	627,418	GINGOOG CITY	83,863
DANAO CITY	78,057	OROQUIETA CITY	53,829
DUMAGUETE CITY	83,847	OZAMIS CITY	94,941
LAPU-LAPU CITY	157,172	SURIGAO CITY	103,154
MANDAWE CITY	192,015	TANGUB CITY	43,502
TAGBILARAN CITY	59,025		
TOLEDO CITY	126,438	<b>REGION 11</b>	<b>4,653,816</b>
<b>REGION 8</b>	<b>3,142,464</b>	COTABATO SOUTH	851,683
		DAVAO ORIENTAL	405,162
LEYTE DEL NORTE	1,261,278	DAVAO DEL NORTE	1,113,935
LEYTE DEL SUR	330,861	DAVAO DEL SUR	657,142
EASTERN SAMAR	334,324	SURIGAO DEL SUR	463,551
NORTHERN SAMAR	387,178		
WESTERN SAMAR	428,355	DAVAO CITY	891,321
		GEN. SANTOS CITY	271,022
CALBAYOG CITY	118,654	<b>REGION 12</b>	<b>3,451,644</b>
ORMOC CITY	136,131		
TACLOBAN CITY	145,683	LANAO DEL NORTE	416,007
<b>REGION 9</b>	<b>3,291,009</b>	LANAO DEL SUR	578,460
		MAGUINDANAO	690,301
BASILAN	244,793	NORTH COTABATO	823,751
SULU	502,578	SULTAN KUDARAT	461,441
TAWI-TAWI	228,247		
ZAMB. DEL NORTE	545,592	COTABATO CITY	138,257
ZAMB. DEL SUR	1,062,736	ILIGAN CITY	236,044
		MARAWI CITY	107,383



TABLE 3

**ESTIMATED POPULATION**  
**No. & Percentage Distribution, By Age & Sex**  
**PHILIPPINES**  
**1991**

AGE GROUP	POPULATION			PERCENTAGE DISTRIBUTION		
	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES
<b>ALL AGES</b>	<b>31,973,356</b>	<b>31,647,316</b>	<b>63,620,672</b>	<b>50.3</b>	<b>49.7</b>	<b>100.0</b>
Under 1 yr.	953,550	910,421	1,863,971	1.5	1.4	2.9
1 - 4 yrs.	3,519,185	3,337,321	6,856,506	5.5	5.3	10.8
5 - 9 yrs.	4,249,169	4,053,303	8,302,472	6.7	6.4	13.1
10 - 14 yrs.	3,914,156	3,728,989	7,643,145	6.1	5.9	12.0
15 - 19 yrs.	3,458,044	3,272,408	6,730,452	5.4	5.1	10.5
20 - 24 yrs.	3,048,454	2,963,327	6,011,781	4.8	4.7	9.5
25 - 29 yrs.	2,588,258	2,717,895	5,306,153	4.1	4.3	8.4
30 - 34 yrs.	2,211,894	2,389,447	4,601,341	3.5	3.7	7.2
35 - 39 yrs.	1,888,682	1,936,582	3,825,264	3.0	3.0	6.0
40 - 44 yrs.	1,505,673	1,479,519	2,985,192	2.4	2.3	4.7
45 - 49 yrs.	1,198,278	1,178,047	2,376,325	1.9	1.8	3.7
50 - 54 yrs.	982,747	990,450	1,973,197	1.5	1.6	3.1
55 - 59 yrs.	766,303	799,696	1,565,999	1.2	1.2	2.4
60 - 64 yrs.	589,792	637,721	1,227,513	0.9	1.0	1.9
65 - 69 yrs.	431,531	485,624	917,155	0.7	0.8	1.5
70 yrs. & Over	667,640	766,566	1,434,206	1.1	1.2	2.3

# ESTIMATED POPULATION BY AGE AND SEX PHILIPPINES, 1991

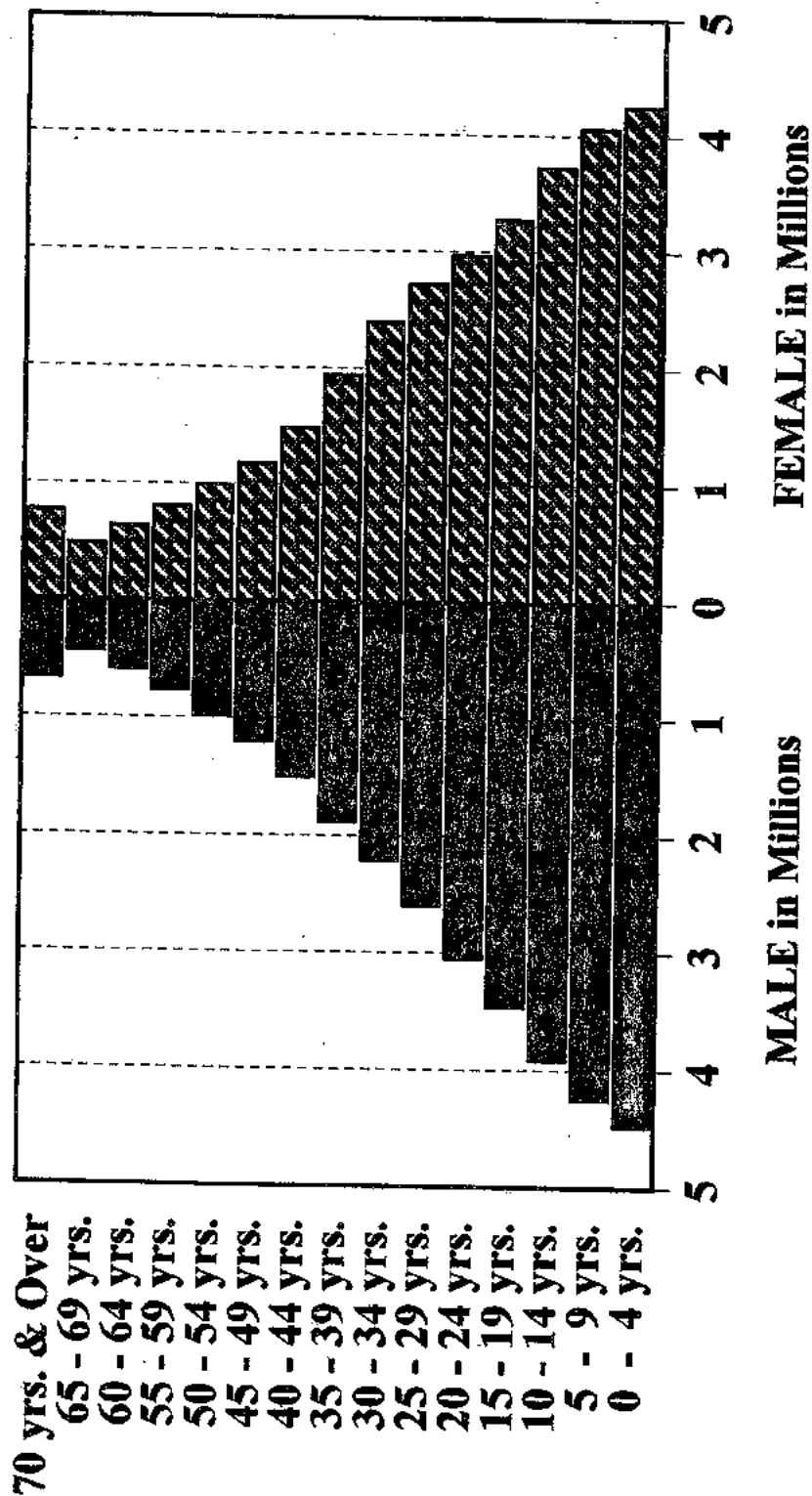


Fig. 3

TABLE 4

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

**No. & Rate  
PHILIPPINES, 1941 - 1991**

YEAR	BIRTHS		DEATHS		DEATHS UNDER 1 YR.		MATERNAL DEATHS		FETAL DEATHS	
	Number	Rate*	Number	Rate*	Number	Rate**	Number	Rate**	Number	Rate**
1991	1,643,296	25.8	298,063	4.7	34,332	20.9	1,144	0.7	10,776	6.6
1990	1,631,069	26.3	313,890	5.1	39,633	24.3	1,307	0.8	11,915	7.3
1989	1,565,254	26.0	325,621	5.4	43,026	27.5	1,579	1.0	11,423	7.3
1988	1,565,372	26.7	325,098	5.5	47,187	30.1	1,745	1.1	10,641	6.8
1987	1,582,469	27.6	335,254	5.8	50,803	32.1	1,611	1.0	10,515	6.6
1986	1,493,995	26.7	326,749	5.8	52,263	35.0	1,573	1.1	8,400	5.6
1985	1,437,154	26.3	334,663	6.1	54,613	38.0	1,489	1.0	8,948	6.2
1984	1,478,205	27.8	313,359	5.9	56,897	38.5	1,379	0.9	11,884	8.0
1983	1,506,356	29.0	327,260	6.3	64,267	42.7	1,502	1.0	14,780	9.8
1982	1,474,491	29.0	308,758	6.1	61,665	41.8	1,425	1.0	13,465	9.1
1981	1,461,204	29.5	301,117	6.1	64,415	44.1	1,542	1.1	13,343	9.1
1980	1,456,860	30.2	298,006	6.2	65,700	45.1	1,607	1.1	13,965	9.6
1979	1,429,814	30.7	206,427	6.6	71,772	50.2	1,635	1.1	14,586	10.2
1978	1,387,588	30.5	297,034	6.5	73,640	53.1	1,734	1.2	14,365	10.4
1977	1,344,836	29.9	308,904	6.9	76,330	56.8	1,909	1.4	14,589	10.8
1976	1,314,860	30.1	299,861	6.9	74,792	56.9	1,862	1.4	14,865	11.3
1975	1,223,837	28.8	271,136	6.4	65,263	53.3	1,753	1.4	13,764	11.2
1974	1,081,073	26.1	283,975	6.8	63,491	58.7	1,690	1.6	13,451	12.4
1973	1,049,290	26.1	283,475	7.0	67,881	64.7	1,488	1.4	10,808	10.3
1972	968,385	24.8	285,761	7.3	65,719	67.9	1,379	1.4	13,577	14.0
1971	963,749	25.4	250,139	6.6	59,730	62.0	1,261	1.3	12,969	13.5
1970	1,008,504	27.4	248,251	6.7	59,774	59.3	1,950	1.9	7,384	7.3
1969	1,015,784	27.3	255,785	6.9	65,142	64.1	2,047	2.0	7,290	7.2
1968	961,646	26.8	253,841	7.1	62,994	65.5	1,979	2.1	6,855	7.1
1967	911,872	26.3	241,548	7.0	59,448	65.2	1,822	2.0	7,468	8.2
1966	908,826	27.1	240,865	7.2	59,810	65.8	1,829	2.0	6,166	6.8
1965	871,715	27.0	241,305	7.5	59,733	68.5	1,757	2.0	6,143	7.0
1964	880,871	28.2	214,904	6.9	54,174	61.5	1,031	1.2	6,696	7.6
1963	851,459	28.2	215,743	7.1	56,700	66.6	1,783	2.1	7,026	8.3
1962	832,204	28.4	213,439	7.3	56,365	67.7	1,944	2.3	7,424	8.9
1961	782,857	27.6	213,587	7.5	56,663	72.4	2,023	2.6	8,800	11.2
1960	810,904	29.6	212,688	6.6	59,301	73.1	1,981	2.4	10,262	12.7
1959	809,086	30.0	197,423	7.3	58,610	72.4	2,114	2.6	10,167	12.6
1958	766,562	29.4	218,186	8.4	61,335	80.0	2,235	2.9	9,012	11.8
1957	748,331	29.6	241,469	9.5	69,592	93.0	1,963	2.6	8,967	12.0
1956	757,794	30.9	219,719	9.0	63,583	83.9	2,241	3.0	***	—
1955	734,761	30.9	219,798	9.0	61,958	84.3	2,339	3.2	***	—
1954	702,662	30.5	217,650	9.5	66,175	94.2	2,214	3.2	***	—
1953	661,939	29.7	239,988	10.8	69,729	105.3	2,397	3.6	***	—
1952	648,725	30.0	241,020	11.1	65,883	101.6	2,511	3.9	***	—
1951	637,264	30.4	237,937	11.4	67,209	105.5	2,645	4.2	***	—
1950	642,472	31.6	226,505	11.1	65,273	101.6	2,406	3.7	***	—
1949	609,138	30.9	231,151	11.8	66,114	108.5	1,818	3.0	***	—
1948	602,415	31.5	234,467	12.7	68,897	114.4	2,468	4.1	***	—
1947	572,226	30.5	238,527	12.7	63,809	111.5	2,425	4.2	***	—
1946	533,283	28.9	278,546	15.1	66,902	125.5	***	—	***	—
1945-1941	***	—	***	—	***	—	***	—	***	—

\* Per 1,000 Population

\*\* Per 1,000 Livebirths

\*\*\* No data available.

# CRUDE BIRTH AND DEATH RATES

Rate per 1,000 Population

PHILIPPINES, 1941-1991

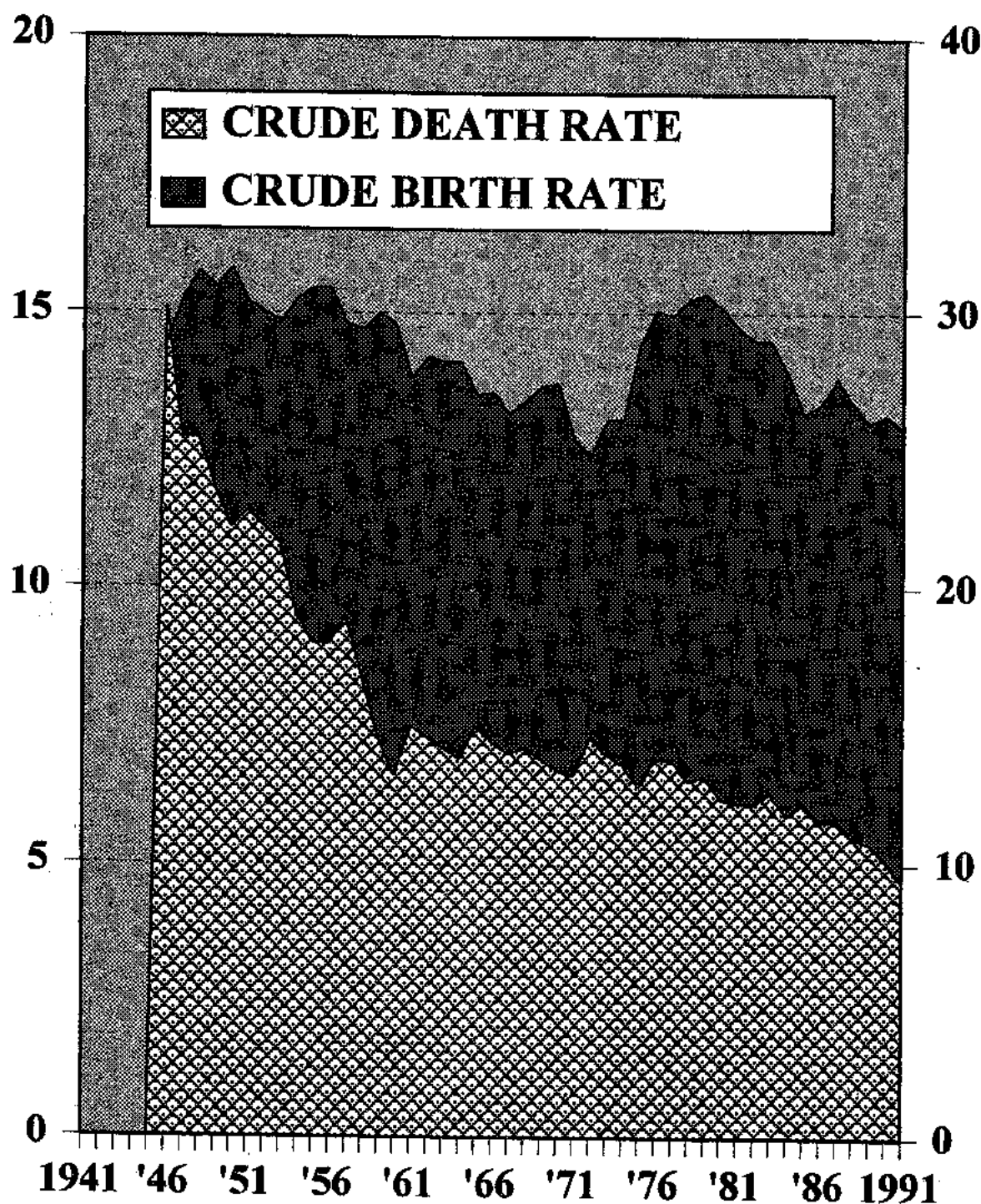


Fig. 4

# INFANT AND MATERNAL DEATH RATES

Rate per 1,000 Livebirths

PHILIPPINES, 1941-1991

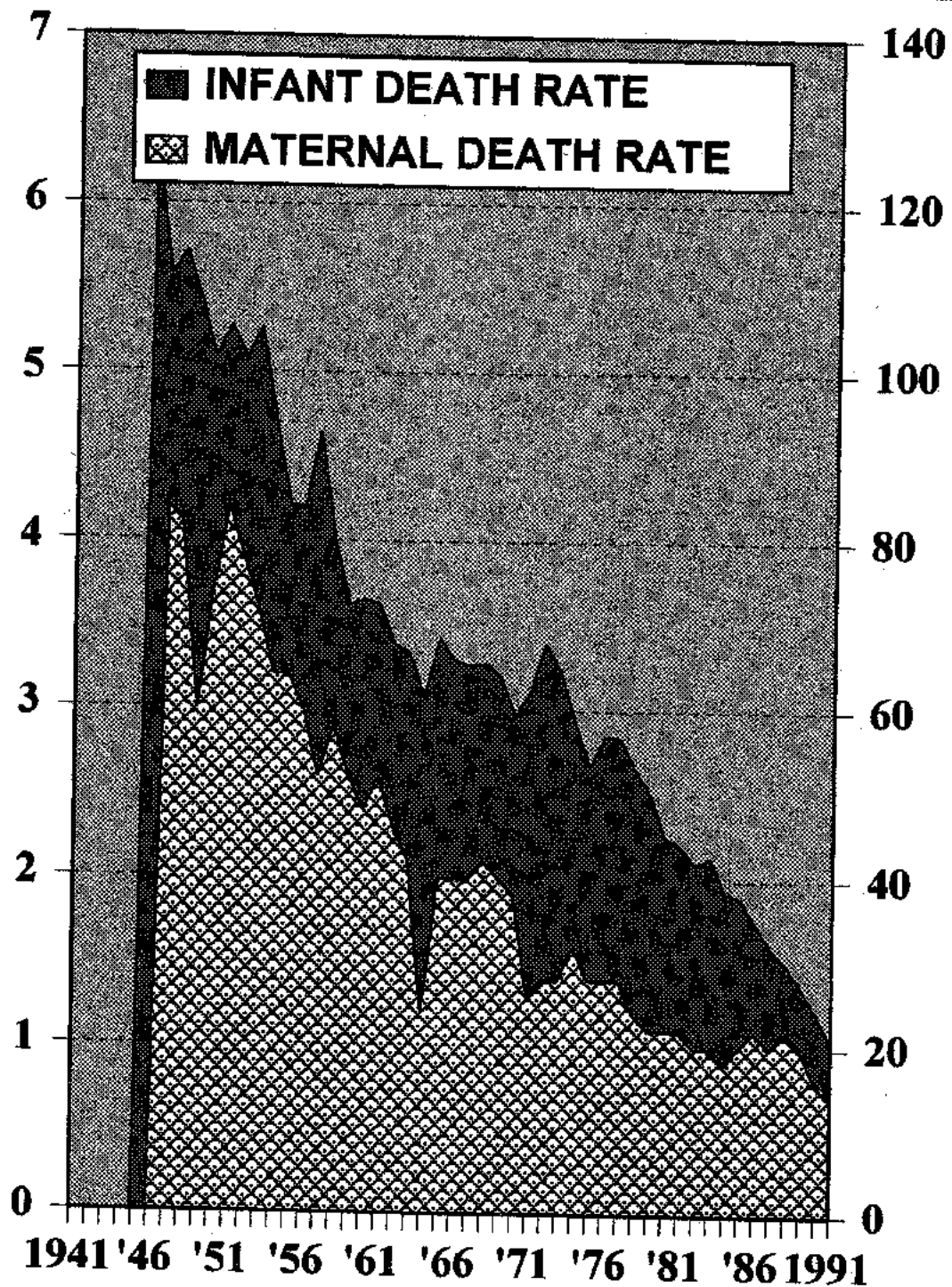


Fig. 5

TABLE 5

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

**No. & Rate  
PHILIPPINES**

**1991**

14

AREA	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>PHILIPPINES</b>	<b>1,643,296</b>	<b>25.8</b>	<b>298,063</b>	<b>4.7</b>	<b>34,332</b>	<b>20.9</b>	<b>10,776</b>	<b>6.6</b>	<b>1,144</b>	<b>0.7</b>
<b>NAT.CAP. REGION</b>	<b>288,535</b>	<b>34.8</b>	<b>50,643</b>	<b>6.1</b>	<b>7,248</b>	<b>25.1</b>	<b>2,782</b>	<b>9.6</b>	<b>122</b>	<b>0.4</b>
1ST DIST MANILA	103,689	39.8	16,279	6.3	2,756	26.6	1,357	13.1	36	0.3
2ND DIST. MUN	34,720	35.1	6,045	6.1	841	24.2	348	10.0	20	0.6
QUEZON CITY	57,137	32.7	12,790	7.3	1,691	29.6	287	5.0	24	0.4
3RD DIST. MUN.	19,181	23.9	3,283	4.1	439	22.9	56	2.9	11	0.6
CALOOCAN CITY	19,793	24.3	3,795	4.7	528	26.7	213	10.8	15	0.8
4TH DIST. MUN.	44,372	46.5	6,544	6.9	827	18.6	411	9.3	12	0.3
PASAY CITY	9,652	25.4	1,907	5.0	238	24.7	110	11.4	4	0.4
<b>C.A.R.</b>	<b>29,878</b>	<b>24.8</b>	<b>3,925</b>	<b>3.3</b>	<b>406</b>	<b>13.6</b>	<b>60</b>	<b>2.0</b>	<b>18</b>	<b>0.6</b>
ABRA	3,846	19.9	753	3.9	79	20.5	5	1.3	4	1.0
BENGUET	8,836	27.7	1,822	5.7	194	22.0	36	4.1	6	0.7
IFUGAO	3,190	20.2	359	2.3	48	15.0	9	2.8	4	1.3
KALINGA-APAYAO	4,092	18.9	556	2.6	40	9.8	0	0.0	2	0.5
MT. PROVINCE	2,847	23.5	435	3.6	45	15.8	4	1.4	2	0.7
BAGUIO CITY	7,067	36.2	0	-	0	-	6	0.8	0	-
<b>REGION 1</b>	<b>98,392</b>	<b>26.3</b>	<b>23,227</b>	<b>6.2</b>	<b>2,476</b>	<b>25.2</b>	<b>709</b>	<b>7.2</b>	<b>46</b>	<b>0.5</b>
ILOCOS NORTE	8,801	22.2	2,595	6.6	215	24.4	78	8.9	4	0.5
ILOCOS SUR	11,785	21.6	3,381	6.2	307	26.1	71	6.0	3	0.3
LA UNION	15,899	27.6	3,676	6.4	380	23.9	113	7.1	11	0.7
PANGASINAN	48,962	26.1	10,578	5.6	1,209	24.7	277	5.7	20	0.4
DAGUPAN CITY	6,193	47.8	1,452	11.2	236	38.1	119	19.2	7	1.1
LAOAG CITY	2,068	23.3	732	8.3	57	27.6	26	12.6	0	-
SAN CARLOS CITY	4,684	35.6	813	6.2	72	15.4	25	5.3	1	0.2
<b>REGION 2</b>	<b>66,329</b>	<b>27.2</b>	<b>11,649</b>	<b>4.8</b>	<b>1,543</b>	<b>23.3</b>	<b>112</b>	<b>1.7</b>	<b>60</b>	<b>0.9</b>
BATANES	365	22.7	100	6.2	10	27.4	0	-	1	2.7
CAGAYAN	23,036	26.7	4,836	5.6	650	28.2	79	3.4	25	1.1
ISABELA	31,484	27.9	5,012	4.4	652	20.7	0	-	28	0.9
NUEVA VIZCAYA	8,114	25.9	1,261	4.0	148	18.2	30	3.7	5	0.6
QUIRINO	3,330	28.0	440	3.7	83	24.9	3	0.9	1	0.3
<b>REGION 3</b>	<b>176,801</b>	<b>27.1</b>	<b>30,641</b>	<b>4.7</b>	<b>3,090</b>	<b>17.5</b>	<b>1,066</b>	<b>6.0</b>	<b>75</b>	<b>0.4</b>
BATAAN	12,557	28.3	1,907	4.3	187	14.9	76	6.1	2	0.2
BULACAN	42,020	26.5	8,327	5.2	910	21.7	426	10.1	14	0.3
NUEVA ECIJA	24,836	23.5	4,473	4.2	493	19.9	80	3.2	12	0.5
PAMPANGA	38,961	28.4	5,607	4.1	454	11.7	84	2.2	13	0.3
TARLAC	25,755	28.4	4,713	5.2	463	18.0	175	6.8	8	0.3
ZAMBALES	9,239	23.6	1,668	4.3	146	15.8	67	7.3	4	0.4

TABLE 5

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

**No. & Rate  
PHILIPPINES**

**1991**

A R E A	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
ANGELES CITY	7,161	29.1	1,148	4.7	120	16.8	64	8.9	3	0.4
CABANATUAN CITY	6,867	34.6	1,275	6.4	94	13.7	0	0.0	9	1.3
OLONGAPO CITY	6,300	31.5	1,012	5.1	145	23.0	69	11.0	10	1.6
PALAYAN CITY	496	22.4	0	-	0	-	0	-	0	-
SAN JOSE CITY	2,609	25.8	511	5.1	78	29.9	25	9.6	0	-
<b>REGION 4</b>	<b>233,207</b>	<b>26.6</b>	<b>40,808</b>	<b>4.7</b>	<b>5,029</b>	<b>21.6</b>	<b>2,144</b>	<b>9.2</b>	<b>162</b>	<b>0.7</b>
AURORA	4,409	30.0	633	4.3	103	23.4	26	5.9	4	0.9
BATANGAS	31,277	26.3	5,733	4.8	558	17.8	214	6.8	8	0.3
CAVITE	24,662	22.4	5,438	4.9	593	24.0	215	8.7	19	0.8
LAGUNA	32,842	25.4	4,476	3.5	456	13.9	292	8.9	14	0.4
MARINDUQUE	5,889	31.0	1,266	6.7	199	33.8	103	17.5	9	1.5
MINDORO OCC	7,596	26.1	1,033	3.5	126	16.6	28	3.7	16	2.1
MINDORO OR	16,750	29.3	2,629	4.6	373	22.3	209	12.5	3	0.2
PALAWAN	9,390	20.5	1,025	2.2	115	12.2	26	2.8	15	1.6
QUEZON	35,985	28.2	7,146	5.6	1,015	28.2	315	8.8	35	1.0
RIZAL	27,267	25.5	4,198	3.9	533	19.5	319	11.7	8	0.3
ROMBLON	6,262	26.2	1,280	5.4	164	26.2	41	6.5	10	1.6
BATANGAS CITY	5,608	28.7	1,034	5.3	124	22.1	74	13.2	6	1.1
CAVITE CITY	477	5.1	113	1.2	15	31.4	34	71.3	1	2.1
LIPA CITY	7,985	46.9	1,271	7.5	161	20.2	65	8.1	3	0.4
LUCENA CITY	6,766	42.4	1,469	9.2	203	30.0	76	11.2	4	0.6
PUERTO PRINCESA	2,902	30.3	434	4.5	48	16.5	4	1.4	1	0.3
SAN PABLO CITY	5,947	35.0	1,244	7.3	159	26.7	62	10.4	5	0.8
TAGAYTAY CITY	1,193	47.0	386	15.2	84	70.4	0	-	1	0.8
TRECE MARTIRES	0	-	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>112,713</b>	<b>27.8</b>	<b>21,417</b>	<b>5.3</b>	<b>2,480</b>	<b>22.0</b>	<b>643</b>	<b>5.7</b>	<b>113</b>	<b>1.0</b>
ALBAY	24,867	30.9	4,408	5.5	465	18.7	159	6.4	11	0.4
CAMARINES NORTE	12,234	29.5	2,737	6.6	450	36.8	125	10.2	19	1.6
CAMARINES SUR	32,872	29.1	5,406	4.8	637	19.4	155	4.7	42	1.3
CATANDUANES	5,761	29.8	1,222	6.3	132	22.9	48	8.3	6	1.0
MASBATE	7,648	12.6	1,717	2.8	199	26.0	24	3.1	9	1.2
SORSOGON	15,585	29.2	3,287	6.2	356	22.8	73	4.7	20	1.3
IRIGA CITY	2,632	29.4	498	5.6	57	21.7	11	4.2	2	0.8
LEGASPI CITY	4,061	31.9	988	7.8	90	22.2	31	7.6	2	0.5
NAGA CITY	7,053	47.1	1,154	7.7	94	13.3	17	2.4	2	0.3
<b>REGION 6</b>	<b>114,565</b>	<b>20.4</b>	<b>29,690</b>	<b>5.3</b>	<b>2,674</b>	<b>23.3</b>	<b>648</b>	<b>5.7</b>	<b>102</b>	<b>0.9</b>
AKLAN	8,916	22.6	2,534	6.4	244	27.4	41	4.6	7	0.8
ANTIQUE	8,624	20.3	2,761	6.5	317	36.8	65	7.5	12	1.4
CAPIZ	9,511	20.4	2,190	4.7	237	24.9	39	4.1	9	0.9
ILOILO	28,192	18.5	7,392	4.9	667	23.7	173	6.1	26	0.9
NEGROS OCC.	27,582	19.3	5,735	4.0	540	19.6	108	3.9	23	0.8



TABLE 5

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

**No. & Rate  
PHILIPPINES  
1991**

AREA	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
BACOLOD CITY	8,174	21.1	3,283	8.5	205	25.1	79	9.7	9	1.1
BAGO CITY	1,544	12.1	620	4.9	56	36.3	17	11.0	1	0.6
CADIZ CITY	2,594	21.5	409	3.4	24	9.3	6	2.3	1	0.4
ILOILO CITY	8,661	26.3	2,343	7.1	158	18.2	76	8.8	6	0.7
LA CARLOTA CITY	956	16.1	337	5.7	24	25.1	5	5.2	0	-
ROXAS CITY	3,875	26.9	779	5.4	87	22.5	2	0.5	4	1.0
SAN CARLOS CITY	2,530	22.6	662	5.9	68	26.9	19	7.5	3	1.2
SILAY CITY	3,406	34.8	645	6.6	47	13.8	18	5.3	1	0.3
<b>REGION 7</b>	<b>136,959</b>	<b>28.5</b>	<b>24,877</b>	<b>5.2</b>	<b>2,780</b>	<b>20.3</b>	<b>934</b>	<b>6.8</b>	<b>115</b>	<b>0.8</b>
BOHOL	22,962	24.6	5,126	5.5	669	29.1	139	6.1	15	0.7
CEBU	42,241	26.4	7,737	4.8	920	21.8	254	6.0	37	0.9
NEGROS OR	18,401	24.0	2,309	3.0	199	10.8	28	1.5	13	0.7
SIQUJOR	1,827	24.0	661	8.7	45	24.6	9	4.9	3	1.6
BAIS CITY	1,642	26.3	235	3.8	15	9.1	8	4.9	4	2.4
CANLAON CITY	903	22.8	0	-	0	-	0	-	0	-
CEBU CITY	26,655	42.5	5,358	8.5	584	21.9	306	11.5	25	0.9
DANAO CITY	2,400	30.7	451	5.8	58	24.2	24	10.0	0	-
DUMAGUETE CITY	3,813	45.5	1,052	12.5	95	24.9	38	10.0	10	2.6
LAPU-LAPU CITY	4,812	30.6	393	2.5	62	12.9	47	9.8	0	-
MANDAWE CITY	4,406	22.9	444	2.3	50	11.3	49	11.1	2	0.5
TAGBILARAN CITY	3,090	52.4	610	10.3	30	9.7	10	3.2	3	1.0
TOLEDO CITY	3,807	30.1	501	4.0	53	13.9	22	5.8	3	0.8
<b>REGION 8</b>	<b>57,022</b>	<b>18.1</b>	<b>15,361</b>	<b>4.9</b>	<b>1,401</b>	<b>24.6</b>	<b>237</b>	<b>4.2</b>	<b>81</b>	<b>1.4</b>
LEYTE DEL NORTE	27,636	21.9	6,699	5.3	716	25.9	126	4.6	30	1.1
LEYTE DEL SUR	8,422	25.5	2,141	6.5	228	27.1	64	7.6	7	0.8
EASTERN SAMAR	3,890	11.6	764	2.3	21	5.4	0	-	7	1.8
NORTHERN SAMAR	4,822	12.5	1,682	4.3	145	30.1	7	1.5	15	3.1
WESTERN SAMAR	3,235	7.6	971	2.3	72	22.3	5	1.5	9	2.8
CALBAYOG CITY	1,372	11.6	578	4.9	47	34.3	5	3.6	6	4.4
ORMOC CITY	3,626	26.6	1,686	12.4	91	25.1	0	-	4	1.1
TACLOBAN CITY	4,019	27.6	840	5.8	81	20.2	30	7.5	3	0.7
<b>REGION 9</b>	<b>62,594</b>	<b>19.0</b>	<b>7,955</b>	<b>2.4</b>	<b>1,062</b>	<b>17.0</b>	<b>281</b>	<b>4.5</b>	<b>49</b>	<b>0.8</b>
BASILAN	1,719	7.0	512	2.1	36	20.9	6	3.5	3	1.7
SULU	2,091	4.2	526	1.0	106	50.7	25	12.0	4	1.9
TAWI-TAWI	519	2.3	59	0.3	3	5.8	0	-	1	1.9
ZAMB. DEL NORTE	12,616	23.1	1,525	2.8	189	15.0	10	0.8	18	1.4
ZAMB. DEL SUR	26,266	24.7	2,266	2.1	268	10.2	46	1.8	17	0.6

TABLE 5

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

**No. & Rate  
PHILIPPINES  
1991**

A R E A	BIRTHS		TOTAL DEATHS		DEATHS UNDER 1 YR.		FETAL DEATHS		MATERNAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
DAPITAN CITY	1,917	31.5	366	6.0	50	26.1	20	10.4	2	1.0
DIPOLOG CITY	2,644	31.6	536	6.4	85	32.1	0	—	2	0.8
PAGADIAN CITY	3,560	32.1	541	4.9	75	21.1	29	8.1	0	—
ZAMBOANGA CITY	11,262	24.9	1624	3.6	250	22.2	145	12.9	2	0.2
<b>REGION 10</b>	<b>97,268</b>	<b>26.6</b>	<b>14,927</b>	<b>4.1</b>	<b>1743</b>	<b>17.9</b>	<b>434</b>	<b>4.5</b>	<b>84</b>	<b>0.9</b>
AGUSAN DEL NORTE	6,077	24.5	889	3.6	101	16.6	30	4.9	7	1.2
AGUSAN DEL SUR	10,618	23.2	980	2.1	99	9.3	12	1.1	2	0.2
BUKIDNON	25,165	28.6	1,969	2.2	291	11.6	122	4.8	24	1.0
CAMIGUIN	1,815	27.0	418	6.2	39	21.5	24	13.2	2	1.1
MISAMIS OCC.	5,513	22.6	1,121	4.6	106	19.2	4	0.7	3	0.5
MISAMIS OR.	11,684	25.8	1,956	4.3	223	19.1	58	5.0	7	0.6
SURIGAO DEL NORTE	6,061	18.4	1,308	4.0	140	23.1	13	2.1	11	1.8
BUTUAN CITY	6,491	26.9	1,478	6.1	192	29.6	57	8.8	9	1.4
CAGAYAN DE ORO	12,940	36.3	2,216	6.2	254	19.6	9	0.7	6	0.5
GINGOOG CITY	2,036	24.3	475	5.7	65	31.9	31	15.2	3	1.5
OROQUIETA CITY	1,699	31.6	492	9.1	41	24.1	11	6.5	3	1.8
OZAMIS CITY	2,906	30.6	681	7.2	89	30.6	25	8.6	3	1.0
SURIGAO CITY	3,180	30.8	696	6.7	71	22.3	10	3.1	4	1.3
TANGUB CITY	1,083	24.9	248	5.7	32	29.5	28	25.9	0	—
<b>REGION 11</b>	<b>119,439</b>	<b>25.7</b>	<b>17,340</b>	<b>3.7</b>	<b>1,831</b>	<b>15.3</b>	<b>535</b>	<b>4.5</b>	<b>94</b>	<b>0.8</b>
COTABATO SOUTH	19,730	23.2	2,562	3.0	220	11.2	45	2.3	13	0.7
DAVAO ORIENTAL	8,192	20.2	1,089	2.7	115	14.0	22	2.7	9	1.1
DAVAO DEL NORTE	31,707	28.5	4,027	3.6	567	17.9	145	4.6	28	0.9
DAVAO DEL SUR	14,180	21.6	1,953	3.0	164	11.6	53	3.7	19	1.3
SURIGAO DEL SUR	11,250	24.3	2,006	4.3	289	25.7	69	6.1	14	1.2
DAVAO CITY	25,379	28.5	4,176	4.7	283	11.2	105	4.1	10	0.4
GEN. SANTOS CITY	9,001	33.2	1,527	5.6	193	21.4	96	10.7	1	0.1
<b>REGION 12</b>	<b>49,594</b>	<b>14.4</b>	<b>5,603</b>	<b>1.6</b>	<b>569</b>	<b>11.5</b>	<b>191</b>	<b>3.9</b>	<b>23</b>	<b>0.5</b>
NORTH COTABATO	16,414	39.5	304	0.7	8	0.5	3	0.2	1	0.1
LANAO DEL NORTE	8,989	15.5	1,122	1.9	113	12.6	43	4.8	6	0.7
LANAO DEL SUR	1,154	1.7	109	0.2	2	1.7	0	—	1	0.9
MAGUINDANAO	2,321	2.8	489	0.6	6	2.6	0	—	1	0.4
SULTAN KUDARAT	9,099	19.7	1,199	2.6	102	11.2	16	1.8	6	0.7
COTABATO CITY	3,042	22.0	734	5.3	67	22.0	20	6.6	1	0.3
ILIGAN CITY	7,863	33.3	1,543	6.5	263	33.4	109	13.9	7	0.9
MARAWI CITY	712	6.6	103	1.0	8	11.2	0	—	0	—

TABLE 6

## LIVEBIRTHS, DEATHS, INFANT, MATERNAL &amp; FETAL DEATHS

18

## BY MONTH OF OCCURRENCE

No. &amp; Percent Distribution

PHILIPPINES

1991

MONTH	BIRTHS		DEATHS		INFANT DEATHS		MATERNAL DEATHS		FETAL DEATHS	
	No.	%	No.	%	No.	%	No.	%	No.	%
JANUARY	138,277	8.4	27,071	9.1	3,116	9.1	90	7.9	957	8.9
FEBRUARY	115,874	7.1	22,961	7.7	2,612	7.6	91	8.0	828	7.7
MARCH	129,335	7.9	24,769	8.3	2,611	7.6	97	8.5	848	7.9
APRIL	130,887	8.0	23,846	8.0	2,657	8.4	107	9.4	837	7.8
MAY	136,488	8.3	24,861	8.3	2,877	7.9	85	7.4	971	9.0
JUNE	129,461	7.9	23,934	8.0	2,721	8.9	89	7.8	846	7.9
JULY	133,976	8.2	24,607	8.3	3,061	9.0	98	8.6	949	8.8
AUGUST	135,259	8.2	25,152	8.4	3,100	9.1	96	8.4	903	8.4
SEPTEMBER	147,620	9.0	25,471	8.5	3,123	8.8	84	7.3	977	9.1
OCTOBER	151,919	9.2	25,887	8.7	3,025	8.3	107	9.4	986	9.1
NOVEMBER	146,031	8.9	25,519	8.6	2,838	7.5	101	8.8	915	8.5
DECEMBER	148,169	9.0	23,985	8.0	2,591	100.0	99	8.7	759	7.0
TOTAL	1,643,296	100.0	298,063	100.0	34,332	192.3	1,144	100.0	10,776	100.0

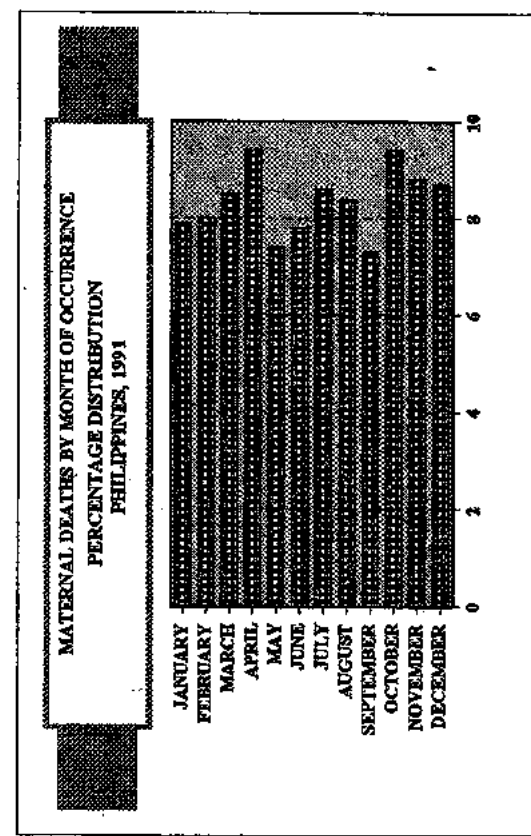
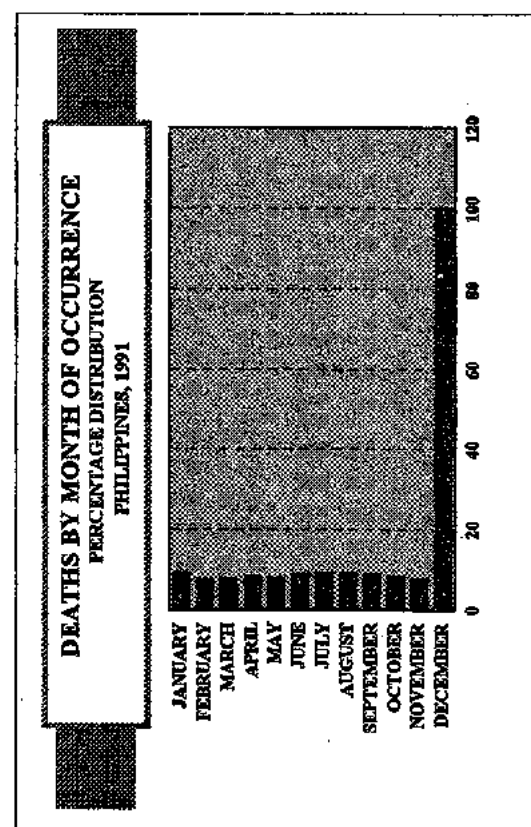
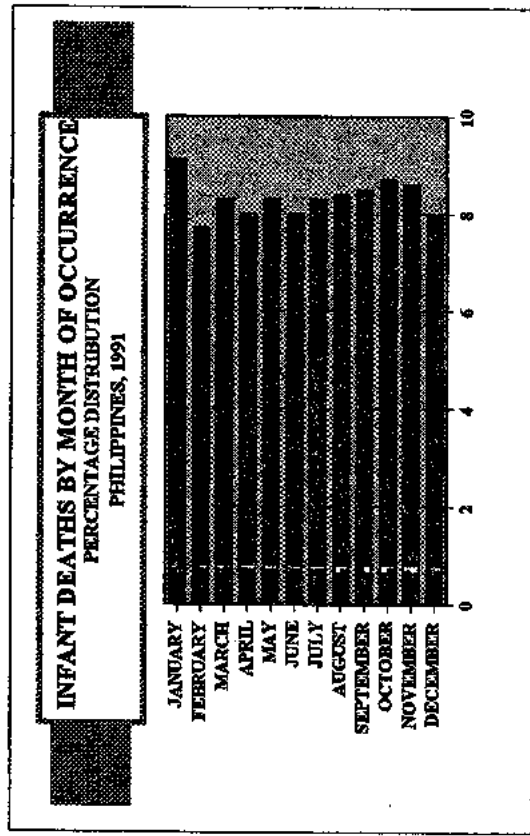
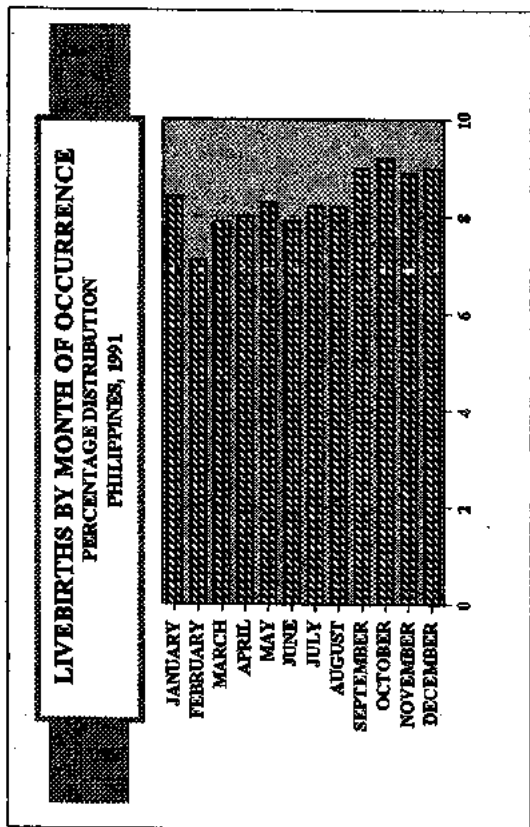


Fig. 6

TABLE 7

**TOTAL LIVEBIRTHS, FEMALE POPULATION (15-49 YEARS)  
& FERTILITY RATE BY HEALTH REGION  
PHILIPPINES  
1991**

AREA	TOTAL LIVEBIRTHS	FEMALE POPULATION (15 - 49 Years)	FERTILITY RATE
<b><u>PHILIPPINES</u></b>	<b><u>1,643,296</u></b>	<b><u>15,937,225</u></b>	<b><u>103.1</u></b>
NAT. CAP. REGION	288,535	2,470,270	116.8
C.A.R.	29,878	254,996	117.2
REGION 1	98,392	844,673	116.5
REGION 2	66,329	701,238	94.6
REGION 3	176,801	1,641,534	107.7
REGION 4	233,207	2,071,839	112.6
REGION 5	112,713	1,004,045	112.3
REGION 6	114,565	1,386,538	82.6
REGION 7	136,959	1,179,355	116.1
REGION 8	57,022	796,861	71.6
REGION 9	62,594	844,673	74.1
REGION 10	97,268	892,485	109.0
REGION 11	119,439	1,115,606	107.1
REGION 12	49,594	733,112	67.6

# FERTILITY RATE BY REGION

## PHILIPPINES

### 1991

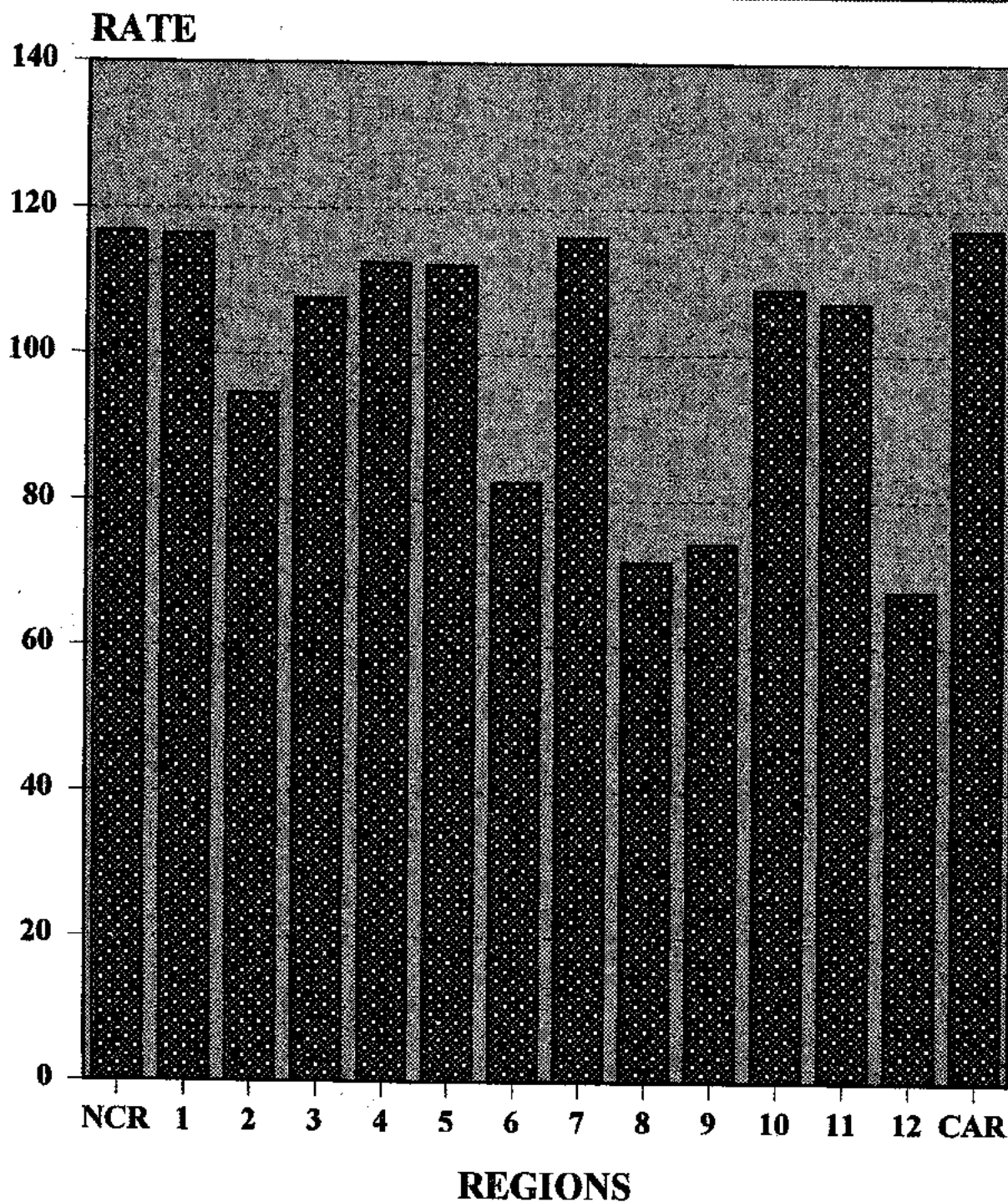


Fig. 7

## NATALITY STATISTICS

All birth statistics tabulated and presented in this report are based on information received by the office of the Civil Registrar General from all Local Civil Registrars throughout the country.

The Crude Birth Rate (CBR), which indicates the state of population growth in the country showed a declining trend from 1981 to 1991 except in 1986 and 1987 when it registered a minimal increase of 0.40 and 0.90 per 1,000 population, respectively. The average rate from 1981 to 1991 was 27.3 per 1,000 population. In 1990 crude birth rate stood at 25.8 per 1,000 population. Table 4 shows the number of births in the period 1981-1991. In 1981, livebirths reached 1,461,204 indicating a rate of 29.5 births per 1,000 population while in 1991, a total of 1,543,296 births were registered with a corresponding rate of 25.8. In Table 5, National Capital Region posted relatively high birth rate of 288,535 with a rate of 34.8, Region 12 registered the lowest 49,594 with a rate of 14.4.

The increase in sex ratio as shown in Table 8 revealed an increasing proportion of male births. There were 855,879 male births in 1991 against 787,417 female births or a sex ratio of 108 males to 100 females.

In 1991, the Philippines posted a daily average of 4,502.2 livebirths. By month, October posted the highest daily average of 5,063.9 or 9.2% followed by December with 4,938.9 of 9.0% as shown in Table 6. The lowest was February with 7.1%. The number and percent distribution of livebirths by age of mother is presented in Table 11. Mothers aged 20-29 consistently delivered the highest number of livebirths from 1984 to 1991. For 1991, this age group registered a total of 954,558 livebirths representing 58.1% of the total livebirths for all age groups. For mothers below 15 years of age, 225 cases (6.01%) of livebirths were registered. Table 10 presents the registered number of livebirths by sex and region. National Capital Region recorded the highest number of livebirths from 1981 to 1991 registering 281,817 in 1991 followed by Region 4 with 226,957 registered livebirths. Region 12 remained at the bottom line registering 46,091.

**BIRTH BY ATTENDANT** - Of the total births registered for 1991 (1,643,296), 974,536 (59.3%) had the benefit of medical attendance as shown in Tables 9 & 10. Of these medically attended 169,639 (27.8%) were delivered by physicians, 16,346 (0.9%) by nurses, and 501,072 (30.5%) by midwives. The National Capital Region registered the highest medically attended deliveries (91.9%) while Region 5 had the lowest medically attended deliveries (37.3%).

**BIRTHS BY AGE OF MOTHER AND NUMBER OF LIVING ISSUES** - Living issues refer to the children born alive and are still living at the time of the last delivery of the mother. Excluded from this category were children born alive but died before the delivery of the latest child. Table 12 shows the number of living issues relative to the age of the mother. Generally, the number of living issues increase as the age group of mother increases.



GENERAL FERTILITY RATE - Fertility is a demographic phenomenon greatly responsible for setting population trends. The fertility rate of a country is measured in terms of total number of livebirths per 1,000 female population of child bearing age (15-49). In 1991, the female population of such group numbered 15,937,225 while the total livebirths registered was 1,643,296. The fertility rate is 103.1 which is lower by 1.8% than that of the previous year which was 104.9.

TABLE 8

**LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY**  
**PHILIPPINES**  
**1991**

AREA	POPULATION	MALE	FEMALE
<b><u>PHILIPPINES</u></b>	<b><u>1,643,296</u></b>	<b><u>855,879</u></b>	<b><u>787,417</u></b>
<b><u>NAT. CAP. REGION</u></b>	<b><u>288,535</u></b>	<b><u>150,420</u></b>	<b><u>138,115</u></b>
1ST DIST. MANILA	103,680	53,850	49,830
2ND DIST. MUN.	34,720	18,227	16,493
QUEZON CITY	57,137	29,912	27,225
3RD DIST. MUN.	19,181	10,062	9,119
CALOOCAN CITY	19,793	10,222	9,571
4TH DIST. MUN.	44,372	23,157	21,215
PASAY CITY	9,652	4,990	4,662
<b><u>C.A.R.</u></b>	<b><u>29,878</u></b>	<b><u>15,552</u></b>	<b><u>14,326</u></b>
ABRA	3,846	1,978	1,868
BENGUET	8,836	4,691	4,145
IFUGAO	3,190	1,653	1,537
KALINGA-APAYAO	4,092	2,159	1,933
MT. PROVINCE	2,847	1,497	1,350
BAGUIO CITY	7,067	3,574	3,493
<b><u>REGION 1</u></b>	<b><u>98,392</u></b>	<b><u>52,561</u></b>	<b><u>45,831</u></b>
ILOCOS NORTE	8,801	4,620	4,181
ILOCOS SUR	11,785	6,150	5,635
LA UNION	15,899	8,307	7,592
PANGASINAN	48,962	25,854	23,108
DAGUPAN CITY	6,193	3,278	2,915
LAOAG CITY	2,068	1,086	982
SAN CARLOS CITY	4,684	3,266	1,418
<b><u>REGION 2</u></b>	<b><u>66,329</u></b>	<b><u>35,097</u></b>	<b><u>31,232</u></b>
BATANES	365	193	172
CAGAYAN	23,036	12,012	11,024
ISABELA	31,484	16,970	14,514
QUIRINO	3,330	1,751	1,579
NUEVA VIZCAYA	8,114	4,171	3,943
<b><u>REGION 3</u></b>	<b><u>176,801</u></b>	<b><u>92,272</u></b>	<b><u>84,529</u></b>
BATAAN	12,557	6,468	6,089
BULACAN	42,020	21,838	20,182
NUEVA ECLJA	24,836	13,026	11,810
PAMPANGA	38,961	20,405	18,556
TARLAC	25,755	13,391	12,364
ZAMBALES	9,239	4,780	4,459

TABLE 8

**LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	BOTH SEXES	MALE	FEMALE
ANGELES CITY	7,161	3,749	3,412
CABANATUAN CITY	6,867	3,653	3,214
OLONGAPO CITY	6,300	3,329	2,971
PALAYAN CITY	496	252	244
SAN JOSE CITY	2,609	1,381	1,228
<b><u>REGION 4</u></b>	<b><u>233,207</u></b>	<b><u>121,348</u></b>	<b><u>111,859</u></b>
AURORA	4,409	2,292	2,117
BATANGAS	31,277	16,155	15,122
CAVITE	24,662	12,804	11,858
LAGUNA	32,842	17,148	15,694
MARINDUQUE	5,889	3,073	2,816
MINDORO OCC.	7,596	3,869	3,727
MINDORO OR.	16,750	8,661	8,089
PALAWAN	9,390	4,840	4,550
QUEZON	35,985	18,686	17,299
RIZAL	27,267	14,235	13,032
ROMBLON	6,262	3,270	2,992
BATANGAS CITY	5,608	2,960	2,648
CAVITE CITY	477	254	223
LIPA CITY	7,985	4,198	3,787
LUCENA CITY	6,766	3,609	3,157
PUERTO PRINCESA CITY	2,902	1,516	1,386
SAN PABLO CITY	5,947	3,114	2,833
TAGAYTAY CITY	1,193	664	529
TRECE MARTIRES CITY	0	0	0
<b><u>REGION 5</u></b>	<b><u>112,713</u></b>	<b><u>58,557</u></b>	<b><u>54,156</u></b>
ALBAY	24,867	13,000	11,867
CAMARINES NORTE	12,234	6,229	6,005
CAMARINES SUR	32,872	17,074	15,798
CATANDUANES	5,761	2,970	2,791
MASBATE	7,648	3,981	3,667
SORSOGON	15,585	8,075	7,510
IRIGA CITY	2,632	1,371	1,261
LEGASPI CITY	4,061	2,153	1,908
NAGA CITY	7,053	3,704	3,349
<b><u>REGION 6</u></b>	<b><u>114,565</u></b>	<b><u>59,253</u></b>	<b><u>55,312</u></b>
AKLAN	8,916	4,675	4,241
ANTIQUE	8,624	4,490	4,134
CAPIZ	9,511	4,899	4,612
ILOILO	28,192	14,576	13,616
NEGROS OCC.	27,582	14,272	13,310

TABLE 8

**LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	BOTH SEXES	MALE	FEMALE
BACOLOD CITY	8,174	4,206	3,968
BAGO CITY	1,544	811	733
CADIZ CITY	2,594	1,323	1,271
ILOILO CITY	8,661	4,445	4,216
LA CARLOTA CITY	956	502	454
ROXAS CITY	3,875	1,929	1,946
SAN CARLOS CITY	2,530	1,344	1,186
SILAY CITY	3,406	1,781	1,625
<b><u>REGION 7</u></b>	<b><u>136,959</u></b>	<b><u>71,131</u></b>	<b><u>65,828</u></b>
BOHOL	22,962	11,965	10,997
CEBU	42,241	21,610	20,631
NEGROS OR	18,401	9,468	8,933
SIQUIJOR	1,827	937	890
BAIS CITY	1,642	890	752
CANLAON CITY	903	475	428
CEBU CITY	26,655	13,987	12,668
DANAO CITY	2,400	1,235	1,165
DUMAGUETE CITY	3,813	2,018	1,795
LAPU-LAPU CITY	4,812	2,566	2,246
MANDAWE CITY	4,406	2,387	2,019
TAGBILARAN CITY	3,090	1,635	1,455
TOLEDO CITY	3,807	1,958	1,849
<b><u>REGION 8</u></b>	<b><u>57,022</u></b>	<b><u>29,577</u></b>	<b><u>27,445</u></b>
LEYTE DEL NORTE	27,636	14,377	13,259
LEYTE DEL SUR	8,422	4,435	3,987
EASTERN SAMAR	3,890	1,983	1,907
NORTHERN SAMAR	4,822	2,506	2,316
WESTERN SAMAR	3,235	1,673	1,562
CALBAYOG CITY	1,372	683	689
ORMOC CITY	3,626	1,842	1,784
TACLOBAN CITY	4,019	2,078	1,941
<b><u>REGION 9</u></b>	<b><u>62,594</u></b>	<b><u>32,390</u></b>	<b><u>30,204</u></b>
BASILAN	1,719	911	808
SULU	2,091	1,069	1,022
TAWI-TAWI	519	269	250
ZAMB. DEL NORTE	12,616	6,423	6,193
ZAMB. DEL SUR	26,266	13,683	12,583

TABLE 8

**LIVEBIRTHS BY SEX & HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	BOTH SEXES	MALE	FEMALE
DAPITAN CITY	1,917	1,008	909
DIPOLOG CITY	2,644	1,358	1,286
PAGADIAN CITY	3,560	1,865	1,695
ZAMBOANGA CITY	11,262	5,804	5,458
<b>REGION 10</b>	<b>97,268</b>	<b>50,092</b>	<b>47,176</b>
AGUSAN DEL NORTE	6,077	3,129	2,948
AGUSAN DEL SUR	10,618	5,412	5,206
BUKIDNON	25,165	12,935	12,230
CAMIGUIN	1,815	953	862
MISAMIS OCC.	5,513	2,798	2,715
MISAMIS OR.	11,684	6,067	5,617
SURIGAO DEL NORTE	6,061	3,122	2,939
BUTUAN CITY	6,491	3,335	3,156
CAGAYAN DE ORO	12,940	6,674	6,266
GINGOOG CITY	2,036	1,090	946
OROQUIETA CITY	1,699	877	822
OZAMIS CITY	2,906	1,558	1,348
SURIGAO CITY	3,180	1,559	1,621
TANGUB CITY	1,083	583	500
<b>REGION 11</b>	<b>119,439</b>	<b>61,885</b>	<b>57,554</b>
COTABATO SOUTH	19,730	10,140	9,590
DAVAO ORIENTAL	8,192	4,232	3,960
DAVAO DEL NORTE	31,707	16,339	15,368
DAVAO DEL SUR	14,180	7,202	6,978
SURIGAO DEL SUR	11,250	5,811	5,439
DAVAO CITY	25,379	13,342	12,037
GEN. SANTOS CITY	9,001	4,819	4,182
<b>REGION 12</b>	<b>49,594</b>	<b>25,744</b>	<b>23,850</b>
NORTH COTABATO	16,414	8,376	8,038
LANAO DEL NORTE	8,989	4,767	4,222
LANAO DEL SUR	1,154	584	570
MAGUINDANAO	2,321	1,235	1,086
SULTAN KUDARAT	9,099	4,708	4,391
COTABATO CITY	3,042	1,571	1,471
ILIGAN CITY	7,863	4,117	3,746
MARAWI CITY	712	386	326

TABLE 9

**FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	BIRTHS ATTENDED BY				
		M.D.	Nurses	Midwives	Dead Midwives	Others
<b>PHILIPPINES</b>	<b>1,643,296</b>	<b>27.8 457,118</b>	<b>1.0 16,346</b>	<b>36.5 501,072</b>	<b>39.2 644,933</b>	<b>1.9 23,827</b>
<b>NAT. CAP. REGION</b>	<b>288,535</b>	<b>169,639</b>	<b>2,722</b>	<b>84,374</b>	<b>29,565</b>	<b>2,235</b>
1ST DIST. MANILA	103,680	86,283	104	15,901	772	620
2ND DIST. MUN.	34,720	19,632	318	11,540	2,939	291
QUEZON CITY	57,137	32,243	247	16,277	7,792	578
3RD DIST. MUN.	19,181	4,309	413	10,677	3,459	323
CALOOCAN CITY	19,793	6,035	164	7,231	6,217	146
4TH DIST. MUN.	44,372	15,200	840	20,952	7,164	216
PASAY CITY	9,652	5,937	636	1,796	1,222	61
<b>C.A.R.</b>	<b>29,878</b>	<b>11,214</b>	<b>779</b>	<b>5,962</b>	<b>4,427</b>	<b>7,496</b>
ABRA	3,846	724	42	917	2,000	163
BENGUET	8,836	2,477	497	2,191	364	3,307
IFUGAO	3,190	497	78	527	433	1,655
KALINGA-APAYAO	4,092	479	95	1,292	1,405	821
MT. PROVINCE	2,847	662	36	767	109	1,273
BAGUIO CITY	7,067	6,375	31	268	116	277
<b>REGION 1</b>	<b>98,392</b>	<b>18,514</b>	<b>1,159</b>	<b>47,897</b>	<b>29,896</b>	<b>926</b>
ILOCOS NORTE	8,801	1,421	142	5,703	1,186	349
ILOCOS SUR	11,785	1,608	172	5,324	4,308	373
LA UNION	15,899	4,394	89	7,712	3,680	24
PANGASINAN	48,962	3,554	660	26,475	18,116	157
DAGUPAN CITY	6,193	3,730	16	1,131	1,309	7
LAOAG CITY	2,068	649	76	966	365	12
SAN CARLOS CITY	4,684	3,158	4	586	932	4
<b>REGION 2</b>	<b>66,329</b>	<b>5,222</b>	<b>666</b>	<b>23,380</b>	<b>34,883</b>	<b>2,178</b>
BATANES	365	85	14	255	11	0
CAGAYAN	23,036	1,321	211	7,202	14,067	235
ISABELA	31,484	2,346	345	12,055	15,987	751
NUEVA VIZCAYA	8,114	1,258	57	3,073	2,675	1,051
QUIRINO	3,330	212	39	795	2,143	141
<b>REGION 3</b>	<b>176,801</b>	<b>63,334</b>	<b>1,725</b>	<b>71,575</b>	<b>39,048</b>	<b>1,119</b>
BATAAN	12,557	4,697	104	6,559	1,161	36
BULACAN	42,020	14,609	343	19,508	6,987	573
NUEVA ECIJA	24,836	1,885	308	13,215	9,373	55
PAMPANGA	38,961	19,586	168	12,884	6,101	222
TARLAC	25,755	8,158	375	9,587	7,584	51
ZAMBALES	9,239	2,333	148	3,688	3,044	26

TABLE 9

**FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	MED	BIRTHS ATTENDED BY			
			Male	Female	Male	Female
ANGELES CITY	7,161	3,393	105	2,274	1,270	119
CABANATUAN CITY	6,867	5,052	21	709	1,060	25
OLONGAPO CITY	6,300	3,016	69	1,971	1,242	2
PALAYAN CITY	496	24	7	132	332	1
SAN JOSE CITY	2,609	581	77	1,048	894	9
<b>REGION 4</b>	<b>233,207</b>	<b>49,597</b>	<b>2,583</b>	<b>69,803</b>	<b>109,217</b>	<b>2,007</b>
AURORA	4,409	466	25	563	3319	36
BATANGAS	31,277	3,602	355	13,065	14,110	145
CAVITE	24,662	7,239	472	10,754	6,119	78
LAGUNA	32,842	8,863	240	13,296	10,139	304
MARINDUQUE	5,889	472	50	1,059	4,297	11
MINDORO OCC.	7,596	594	78	1,532	5,278	114
MINDORO OR.	16,750	939	156	1,046	14,587	22
PALAWAN	9,390	402	171	1,750	6,993	74
QUEZON	35,985	3,567	407	8,089	23,202	720
RIZAL	27,267	6,076	224	12,968	7,552	447
ROMBLON	6,262	1,088	75	1,199	3,882	18
BATANGAS CITY	5,608	1,814	9	1,045	2,738	2
CAVITE CITY	477	55	14	171	237	0
LIPA CITY	7,985	4,288	8	1,629	2,052	8
LUCENA CITY	6,766	4,666	19	245	1,823	13
PUERTO PRINCESA CITY	2,902	793	198	496	1,412	3
SAN PABLO CITY	5,947	3,699	81	787	1,376	4
TAGAYTAY CITY	1,193	974	1	109	101	8
TRECE MARTIRES CITY	0	0	0	0	0	0
<b>REGION 5</b>	<b>112,713</b>	<b>13,602</b>	<b>1,062</b>	<b>25,958</b>	<b>71,350</b>	<b>741</b>
ALBAY	24,867	1,538	170	5,749	16,945	465
CAMARINES NORTE	12,234	799	473	3,418	7,532	12
CAMARINES SUR	32,872	592	226	7,860	24,118	76
CATANDUANES	5,761	1,331	17	1,207	3,198	8
MASBATE	7,648	888	25	1,654	5,005	76
SORSOGON	15,585	2,191	60	3,509	9,798	27
IRIGA CITY	2,632	129	12	984	1,507	0
LEGASPI CITY	4,061	1,526	19	839	1,624	53
NAGA CITY	7,053	4,608	60	738	1,623	24
<b>REGION 6</b>	<b>114,565</b>	<b>27,872</b>	<b>711</b>	<b>24,789</b>	<b>59,797</b>	<b>1,396</b>
AKLAN	8,916	1,420	55	2,798	4,370	276
ANTIQUE	8,624	1,073	76	2,221	5,200	54
CAPIZ	9,511	625	33	1,766	6,948	139
ILOILO	28,192	4,670	113	7,307	15,734	368
NEGROS OCC.	27,582	2,767	249	6,733	17,590	243



TABLE 9

**FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	BIRTHS ATTENDED BY:				
		Mid.	Nurse	Midwife	Trad. Midwife	Others
BACOLOD CITY	8,174	6,961	18	213	974	8
BAGO CITY	1,544	23	8	665	822	26
CADIZ CITY	2,594	180	26	629	1,736	23
ILOILO CITY	8,661	5,836	51	935	1,587	252
LA CARLOTA CITY	956	309	7	198	441	1
ROXAS CITY	3,875	1,103	9	838	1,919	6
SAN CARLOS CITY	2,530	261	65	423	1,781	0
SILAY CITY	3,406	2,644	1	63	695	3
<b>REGION 7</b>	<b>136,959</b>	<b>33,222</b>	<b>894</b>	<b>50,565</b>	<b>51,288</b>	<b>990</b>
BOHOL	22,962	1,201	135	10,932	10,623	71
CEBU	42,241	3,242	211	21,592	16,906	290
NEGROS OR	18,401	1,060	59	5,998	11,228	56
SIQUJOR	1,827	257	10	1,460	99	1
BAIS CITY	1,642	262	3	257	1,116	4
CANLAON CITY	903	5	2	317	575	4
CEBU CITY	26,655	18,502	86	3,800	4,110	157
DANAO CITY	2,400	667	29	1,004	464	236
DUMAGUETE CITY	1,827	3,276	3	153	379	2
LAPU-LAPU CITY	4,812	772	46	1,615	2,242	137
MANDAWE CITY	4,406	249	189	2,283	1,665	20
TAGBILARAN CITY	3,090	2,387	43	633	20	7
TOLEDO CITY	3,807	1,342	78	521	1,861	5
<b>REGION 8</b>	<b>57,022</b>	<b>10,967</b>	<b>629</b>	<b>13,942</b>	<b>30,319</b>	<b>1,165</b>
LEYTE DEL NORTE	27,636	2,977	314	7,537	16,114	694
LEYTE DEL SUR	8,422	1,565	124	2,352	4,115	266
EASTERN SAMAR	3,890	500	47	1,414	1,896	33
NORTHERN SAMAR	4,822	755	34	886	3,107	40
WESTERN SAMAR	3,235	358	44	915	1,826	92
CALBAYOG CITY	1,372	537	8	157	668	2
ORMOC CITY	3,626	1,132	46	351	2,079	18
TACLOBAN CITY	4,019	3,143	12	330	514	20
<b>REGION 9</b>	<b>62,594</b>	<b>8,912</b>	<b>1,524</b>	<b>20,759</b>	<b>31,119</b>	<b>280</b>
BASILAN	1,719	229	46	490	923	31
SULU	2,019	418	26	1,139	496	12
TAWI-TAWI	519	60	29	235	191	4
ZAMB. DEL NORTE	12,616	451	93	4,122	7,923	27
ZAMB. DEL SUR	26,266	807	852	8,883	15,560	164

TABLE 9

**FREQUENCY DISTRIBUTION OF LIVEBIRTHS BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	M.D.	BIRTHS ATTENDED BY:			
			Nurse	Midwife	Trad. Midwife	Others
DAPITAN CITY	1,917	887	0	338	691	1
DIPOLOG CITY	2,644	1,138	3	602	890	11
PAGADIAN CITY	3,560	854	10	1,151	1,545	0
ZAMBOANGA CITY	11,262	4,068	465	3,799	2,900	30
<b>REGION 10</b>	<b>97,268</b>	<b>16,675</b>	<b>826</b>	<b>20,933</b>	<b>57,207</b>	<b>1,627</b>
AGUSAN DEL NORTE	6,077	481	150	2,030	3,387	29
AGUSAN DEL SUR	10,618	649	234	1,978	7,721	36
BUKIDNON	25,165	2,736	147	4,914	16,508	860
CAMIGUIN	1,815	323	10	960	521	1
MISAMIS OCC.	5,513	252	30	1,929	3,277	25
MISAMIS OR.	11,684	448	49	4,273	6,883	31
SURIGAO DEL NORTE	6,061	409	42	1,035	4,565	10
BUTUAN CITY	6,491	2,009	13	556	3,909	4
CAGAYAN DE ORO	12,940	5,553	120	1,780	4,869	618
GINGOOG CITY	2,036	424	1	451	1,158	2
OROQUIETA CITY	1,699	760	0	487	452	0
OZAMIS CITY	2,906	1,101	10	210	1,582	3
SURIGAO CITY	3,180	1,325	19	153	1,676	7
TANGUB CITY	1,083	205	1	177	699	1
<b>REGION 11</b>	<b>119,439</b>	<b>20,968</b>	<b>730</b>	<b>24,199</b>	<b>72,756</b>	<b>786</b>
COTABATO SOUTH	19,730	1,492	73	5,309	12,579	277
DAVAO ORIENTAL	8,192	650	19	1,554	5,963	6
DAVAO DEL NORTE	31,707	3,605	207	5,941	21,737	217
DAVAO DEL SUR	14,180	1,648	60	2,653	9,751	68
SURIGAO DEL SUR	11,250	1,654	51	2,324	7,085	136
DAVAO CITY	25,379	10,181	104	4,644	10,384	66
GEN. SANTOS CITY	9,001	1,738	216	1,774	5,257	16
<b>REGION 12</b>	<b>49,594</b>	<b>7,380</b>	<b>336</b>	<b>16,936</b>	<b>24,061</b>	<b>881</b>
NORTH COTABATO	16,414	921	92	3,295	11,813	293
LANAO DEL NORTE	8,989	792	51	5,459	2,547	140
LANAO DEL SUR	1,154	40	32	456	624	2
MAGUINDANAO	2,321	47	17	882	1,358	17
SULTAN KUDARAT	9,099	527	55	3,672	4,657	188
COTABATO CITY	3,042	1,344	43	797	647	211
ILIGAN CITY	7,863	3,359	23	2,206	2,248	27
MARAWI CITY	712	350	23	169	167	3

TABLE 10

**PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

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AREA	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY				
		M.D.	Nurse	Midwife	Trad. Midwife	Others
<b>PHILIPPINES</b>	<b>1,631,069</b>	<b>28.0</b>	<b>1.0</b>	<b>30.7</b>	<b>39.5</b>	<b>1.5</b>
<b>NAT. CAP. REGION</b>	<b>281,817</b>	<b>60.2</b>	<b>1.0</b>	<b>29.9</b>	<b>10.5</b>	<b>0.8</b>
1ST DIST. MANILA	101,830	84.7	0.1	15.6	0.8	0.6
2ND DIST. MUN.	33,390	58.8	1.0	34.6	8.8	0.9
QUEZON CITY	56,039	57.5	0.4	29.0	13.9	1.0
3RD DIST. MUN.	18,612	23.2	2.2	57.4	18.6	1.7
CALOOCAN CITY	18,700	32.3	0.9	38.7	33.2	0.8
4TH DIST. MUN.	43,563	34.9	1.9	48.1	16.4	0.5
PASAY CITY	9,683	61.3	6.6	18.5	12.6	0.6
<b>C.A.R.</b>	<b>29,059</b>	<b>38.6</b>	<b>2.7</b>	<b>20.5</b>	<b>15.2</b>	<b>25.8</b>
ABRA	3,042	23.8	1.4	30.1	65.7	5.4
BENGUET	9,171	27.0	5.4	23.9	4.0	36.1
IFUGAO	3,107	16.0	2.5	17.0	13.9	53.3
KALINGA-APAYAO	4,107	11.7	2.3	31.5	34.2	20.0
MT. PROVINCE	2,769	23.9	1.3	27.7	3.9	46.0
BAGUIO CITY	6,863	92.9	0.5	3.9	1.7	4.0
<b>REGION 1</b>	<b>98,092</b>	<b>18.9</b>	<b>1.2</b>	<b>48.8</b>	<b>30.5</b>	<b>0.9</b>
ILOCOS NORTE	8,901	16.0	1.6	64.1	13.3	3.9
ILOCOS SUR	12,050	13.3	1.4	44.2	35.8	3.1
LA UNION	15,095	29.1	0.6	51.1	24.4	0.2
PANGASINAN	48,908	7.3	1.3	54.1	37.0	0.3
DAGUPAN CITY	6,778	55.0	0.2	16.7	19.3	0.1
LAOAG CITY	2,036	31.9	3.7	47.4	17.9	0.6
SAN CARLOS CITY	4,324	73.0	0.1	13.6	21.6	0.1
<b>REGION 2</b>	<b>66,163</b>	<b>7.9</b>	<b>1.0</b>	<b>35.3</b>	<b>52.7</b>	<b>3.3</b>
BATANES	394	21.6	3.6	64.7	2.8	0.0
CAGAYAN	23,146	5.7	0.9	31.1	60.8	1.0
ISABELA	31,618	7.4	1.1	38.1	50.6	2.4
NUEVA VIZCAYA	7,902	15.9	0.7	38.9	33.9	13.3
QUIRINO	3,103	6.8	1.3	25.6	69.1	4.5
<b>REGION 3</b>	<b>179,158</b>	<b>35.4</b>	<b>1.0</b>	<b>40.0</b>	<b>21.8</b>	<b>0.6</b>
BATAAN	12,475	37.7	0.8	52.6	9.3	0.3
BULACAN	42,422	34.4	0.8	46.0	16.5	1.4
NUEVA ECJA	24,562	7.7	1.3	53.8	38.2	0.2
PAMPANGA	38,390	51.0	0.4	33.6	15.9	0.6
TARLAC	25,983	31.4	1.4	36.9	29.2	0.2
ZAMBALES	9,932	23.5	1.5	37.1	30.6	0.3

**PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY				
		M.D.	Nurse	Midwife	Free Midwife	Others
ANGELES CITY	8,624	39.3	1.2	26.4	14.7	1.4
CABANATUAN CITY	6,880	73.4	0.3	10.3	15.4	0.4
OLONGAPO CITY	6,773	44.5	1.0	29.1	18.3	0.0
PALAYAN CITY	550	4.4	1.3	24.0	60.4	0.2
SAN JOSE CITY	2,567	22.6	3.0	40.8	34.8	0.4
<b>REGION 4</b>	<b>226,957</b>	<b>21.9</b>	<b>1.1</b>	<b>30.8</b>	<b>48.1</b>	<b>0.9</b>
AURORA	4,400	10.6	0.6	12.8	75.4	0.8
BATANGAS	30,778	11.7	1.2	42.4	45.8	0.5
CAVITE	20,094	36.0	2.3	53.5	30.5	0.4
LAGUNA	31,616	28.0	0.8	42.1	32.1	1.0
MARINDUQUE	5,686	8.3	0.9	18.6	75.6	0.2
MINDORO OCC.	7,426	8.0	1.1	20.6	71.1	1.5
MINDORO OR.	16,381	5.7	1.0	6.4	89.0	0.1
PALAWAN	9,007	4.5	1.9	19.4	77.6	0.8
QUEZON	35,907	9.9	1.1	22.5	64.6	2.0
RIZAL	25,973	23.4	0.9	49.9	29.1	1.7
ROMBLON	6,402	17.0	1.2	18.7	60.6	0.3
BATANGAS CITY	7,668	23.7	0.1	13.6	35.7	0.0
CAVITE CITY	3,054	1.8	0.5	5.6	7.8	0.0
LIPA CITY	5,432	78.9	0.1	30.0	37.8	0.1
LUCENA CITY	6,603	70.7	0.3	3.7	27.6	0.2
PUERTO PRINCESA CITY	2,820	28.1	7.0	17.6	50.1	0.1
SAN PABLO CITY	5,874	63.0	1.4	13.4	23.4	0.1
TAGAYTAY CITY	524	185.9	0.2	20.8	19.3	1.5
TRECE MARTIRES CITY	1,312	0.0	0.0	0.0	0.0	0.0
<b>REGION 5</b>	<b>109,151</b>	<b>12.5</b>	<b>1.0</b>	<b>23.8</b>	<b>65.4</b>	<b>0.7</b>
ALBAY	24,459	6.3	0.7	23.5	69.3	1.9
CAMARINES NORTE	12,103	6.6	3.9	28.2	62.2	0.1
CAMARINES SUR	32,167	1.8	0.7	24.4	75.0	0.2
CATANDUANES	5,514	24.1	0.3	21.9	58.0	0.1
MASBATE	7,504	11.8	0.3	22.0	66.7	1.0
SORSOGON	14,203	15.4	0.4	24.7	69.0	0.2
IRIGA CITY	2,437	5.3	0.5	40.4	61.8	0.0
LEGASPI CITY	3,870	39.4	0.5	21.7	42.0	1.4
NAGA CITY	6,894	66.8	0.9	10.7	23.5	0.3
<b>REGION 6</b>	<b>115,915</b>	<b>24.0</b>	<b>0.6</b>	<b>21.4</b>	<b>51.6</b>	<b>1.2</b>
AKLAN	9,006	15.8	0.6	31.1	48.5	3.1
ANTIQUE	8,830	12.2	0.9	25.2	58.9	0.6
CAPIZ	9,511	6.6	0.3	18.6	73.1	1.5
ILOILO	29,159	16.0	0.4	25.1	54.0	1.3
NEGROS OCC.	27,455	10.1	0.9	24.5	64.1	0.9

TABLE 10

**PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY:				
		M.D.	Nurse	Midwife	Traditional Midwife	Other
BACOLOD CITY	8,235	84.5	0.2	2.6	11.8	0.1
BAGO CITY	1,735	1.3	0.5	38.3	47.4	1.5
CADIZ CITY	2,454	7.3	1.1	25.6	70.7	0.9
ILOILO CITY	9,349	62.4	0.5	10.0	17.0	2.7
LA CARLOTA CITY	925	33.4	0.8	21.4	47.7	0.1
ROXAS CITY	3,641	30.3	0.2	23.0	52.7	0.2
SAN CARLOS CITY	2,562	10.2	2.5	16.5	69.5	0.0
SILAY CITY	3,053	86.6	0.0	2.1	22.8	0.1
<b>REGION 7</b>	<b>140,231</b>	<b>23.7</b>	<b>0.6</b>	<b>36.1</b>	<b>36.6</b>	<b>0.7</b>
BOHOL	23,877	5.0	0.6	45.8	44.5	0.3
CEBU	43,606	7.4	0.5	49.5	38.8	0.7
NEGROS OR	18,467	5.7	0.3	32.5	60.8	0.3
SIQUIJOR	1,959	13.1	0.5	74.5	5.1	0.1
BAIS CITY	1,647	15.9	0.2	15.6	67.8	0.2
CANLAON CITY	1,051	0.5	0.2	30.2	54.7	0.4
CEBU CITY	27,278	67.8	0.3	13.9	15.1	0.6
DANAO CITY	2,430	27.4	1.2	41.3	19.1	9.7
DUMAGUETE CITY	4,038	81.1	0.1	3.8	9.4	0.0
LAPU-LAPU CITY	4,758	16.2	1.0	33.9	47.1	2.9
MANDAWE CITY	4,309	5.8	4.4	53.0	38.6	0.5
TAGBILARAN CITY	2,863	83.4	1.5	22.1	0.7	0.2
TOLEDO CITY	3,948	34.0	2.0	13.2	47.1	0.1
<b>REGION 8</b>	<b>57,857</b>	<b>19.0</b>	<b>1.1</b>	<b>24.1</b>	<b>52.4</b>	<b>2.0</b>
LEYTE DEL NORTE	27,510	10.8	1.1	27.4	58.6	2.5
LEYTE DEL SUR	9,078	17.2	1.4	25.9	45.3	2.9
EASTERN SAMAR	4,142	12.1	1.1	34.1	45.8	0.8
NORTHERN SAMAR	4,306	17.5	0.8	20.6	72.2	0.9
WESTERN SAMAR	3,496	10.2	1.3	26.2	52.2	2.6
CALBAYOG CITY	1,506	35.7	0.5	10.4	44.4	0.1
ORMOC CITY	4,031	28.1	1.1	8.7	51.6	0.4
TACLOBAN CITY	3,788	83.0	0.3	8.7	13.6	0.5
<b>REGION 9</b>	<b>61,761</b>	<b>14.4</b>	<b>2.5</b>	<b>33.6</b>	<b>50.4</b>	<b>0.5</b>
BASILAN	2,803	8.2	1.6	17.5	32.9	1.1
SULU	1,579	26.5	1.6	72.1	31.4	0.8
TAWI-TAWI	418	14.4	6.9	56.2	45.7	1.0
ZAMB. DEL NORTE	12,321	3.7	0.8	33.5	64.3	0.2
ZAMB. DEL SUR	26,328	3.1	3.2	33.7	59.1	0.6

TABLE 10

**PERCENTAGE DISTRIBUTION OF LIVEBIRTHS, BY ATTENDANCE  
BY HEALTH REGION, PROVINCE & CITY  
PHILIPPINES  
1991**

AREA	TOTAL BIRTHS	PERCENT OF BIRTHS ATTENDED BY				
		M.D.	Nurse	Midwife	Traditional Midwife	Others
DAPITAN CITY	1,911	46.4	0.0	17.7	36.2	0.1
DIPOLOG CITY	2,562	44.4	0.1	23.5	34.7	0.4
PAGADIAN CITY	3,401	25.1	0.3	33.8	45.4	0.0
ZAMBOANGA CITY	10,438	39.0	4.5	36.4	27.8	0.3
<b>REGION 10</b>	<b>99,920</b>	<b>16.7</b>	<b>0.8</b>	<b>20.9</b>	<b>57.3</b>	<b>1.6</b>
AGUSAN DEL NORTE	6,397	7.5	2.3	31.7	52.9	0.5
AGUSAN DEL SUR	10,932	5.9	2.1	18.1	70.6	0.3
BUKIDNON	26,011	10.5	0.6	18.9	63.5	3.3
CAMIGUIN	1,843	17.5	0.5	52.1	28.3	0.1
MISAMIS OCC.	5,612	4.5	0.5	34.4	58.4	0.4
MISAMIS OR.	12,420	3.6	0.4	34.4	55.4	0.2
SURIGAO DEL NORTE	6,446	6.3	0.7	16.1	70.8	0.2
BUTUAN CITY	6,575	30.6	0.2	8.5	59.5	0.1
CAGAYAN DE ORO	12,325	45.1	1.0	14.4	39.5	5.0
GINGOOG CITY	2,182	19.4	0.0	20.7	53.1	0.1
OROQUIETA CITY	1,713	44.4	-	28.4	26.4	0.0
OZAMIS CITY	3,025	36.4	0.3	6.9	52.3	0.1
SURIGAO CITY	3,345	39.6	0.6	4.6	50.1	0.2
TANGUB CITY	1,094	18.7	0.1	16.2	63.9	0.1
<b>REGION 11</b>	<b>119,997</b>	<b>17.5</b>	<b>0.6</b>	<b>20.2</b>	<b>60.6</b>	<b>0.7</b>
COTABATO SOUTH	20,042	7.4	0.4	26.5	62.8	1.4
DAVAO ORIENTAL	8,124	8.0	0.2	19.1	73.4	0.1
DAVAO DEL NORTE	32,123	11.2	0.6	18.5	67.7	0.7
DAVAO DEL SUR	14,297	11.5	0.4	18.6	68.2	0.5
SURIGAO DEL SUR	11,827	14.0	0.4	19.6	59.9	1.1
DAVAO CITY	24,774	41.1	0.4	18.7	41.9	0.3
GEN. SANTOS CITY	8,810	19.7	2.5	20.1	59.7	0.2
<b>REGION 12</b>	<b>46,091</b>	<b>16.0</b>	<b>0.7</b>	<b>36.7</b>	<b>52.2</b>	<b>1.9</b>
NORTH COTABATO	13,133	7.0	0.7	25.1	89.9	2.2
LANAO DEL NORTE	8,697	9.1	0.6	62.8	29.3	1.6
LANAO DEL SUR	1,186	3.4	2.7	38.4	52.6	0.2
MAGUINDANAO	2,369	2.0	0.7	37.2	57.3	0.7
SULTAN KUDARAT	9,090	5.8	0.6	40.4	51.2	2.1
COTABATO CITY	3,081	43.6	1.4	25.9	21.0	6.8
ILIGAN CITY	7,936	42.3	0.3	27.8	28.3	0.3
MARAWI CITY	599	58.4	3.8	28.2	27.9	0.5

# BIRTHS BY ATTENDANCE

## PHILIPPINES, 1991

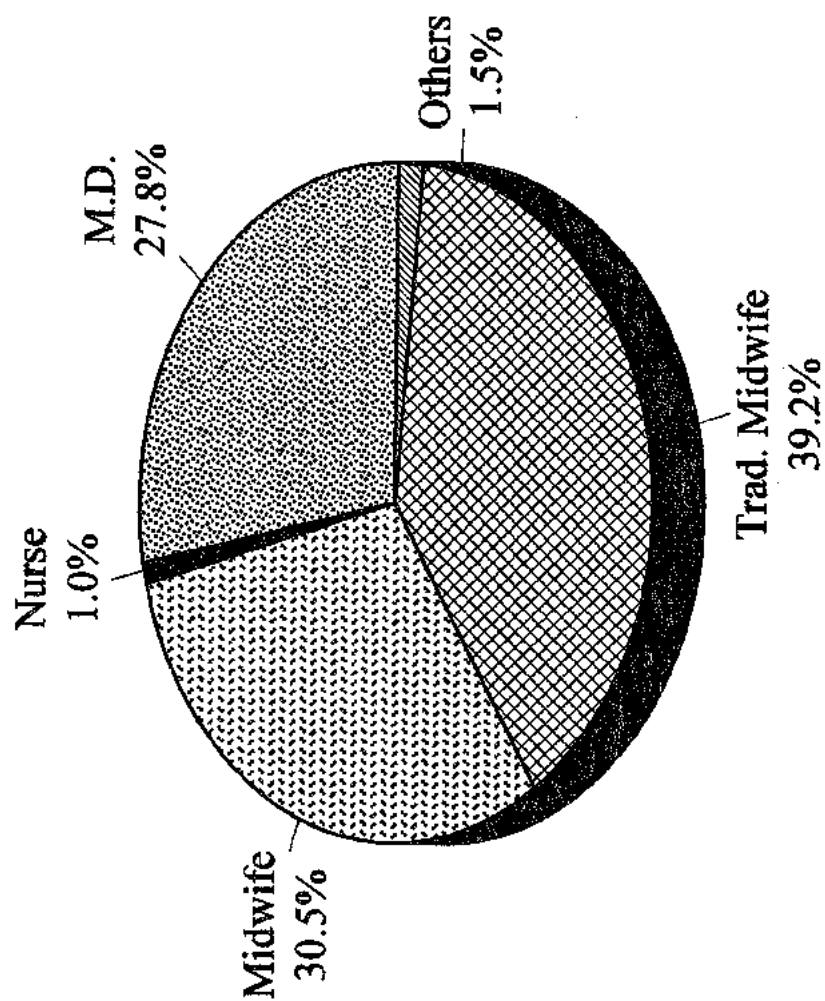


Fig. 8

TABLE 11

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**LIVEBIRTHS BY AGE OF MOTHER & BY SEX**  
**PHILIPPINES**  
**1991**

AGE OF MOTHER	BOTH SEXES NUMBER	PERCENT AGE DISTRIBUTION	MALE NUMBER	FEMALE NUMBER
ALL AGES	1,643,296	100.0	855,879	787,417
Under 15 years	225	0.01	115	110
15 - 19 years	105,526	6.4	54,704	50,822
20 - 24 years	474,239	28.9	247,517	226,722
25 - 29 years	480,319	29.2	250,409	229,910
30 - 34 years	319,753	19.5	166,997	152,756
35 - 39 years	179,296	10.9	92,705	86,591
40 - 44 years	60,352	3.7	31,309	29,043
45 - 49 years	8,630	0.5	4,396	4,234
50 years & Over	1,107	0.1	574	533
Not Stated	13,849	0.8	7,153	6,696



# LIVEBIRTHS BY AGE OF MOTHER & BY SEX PHILIPPINES, 1991

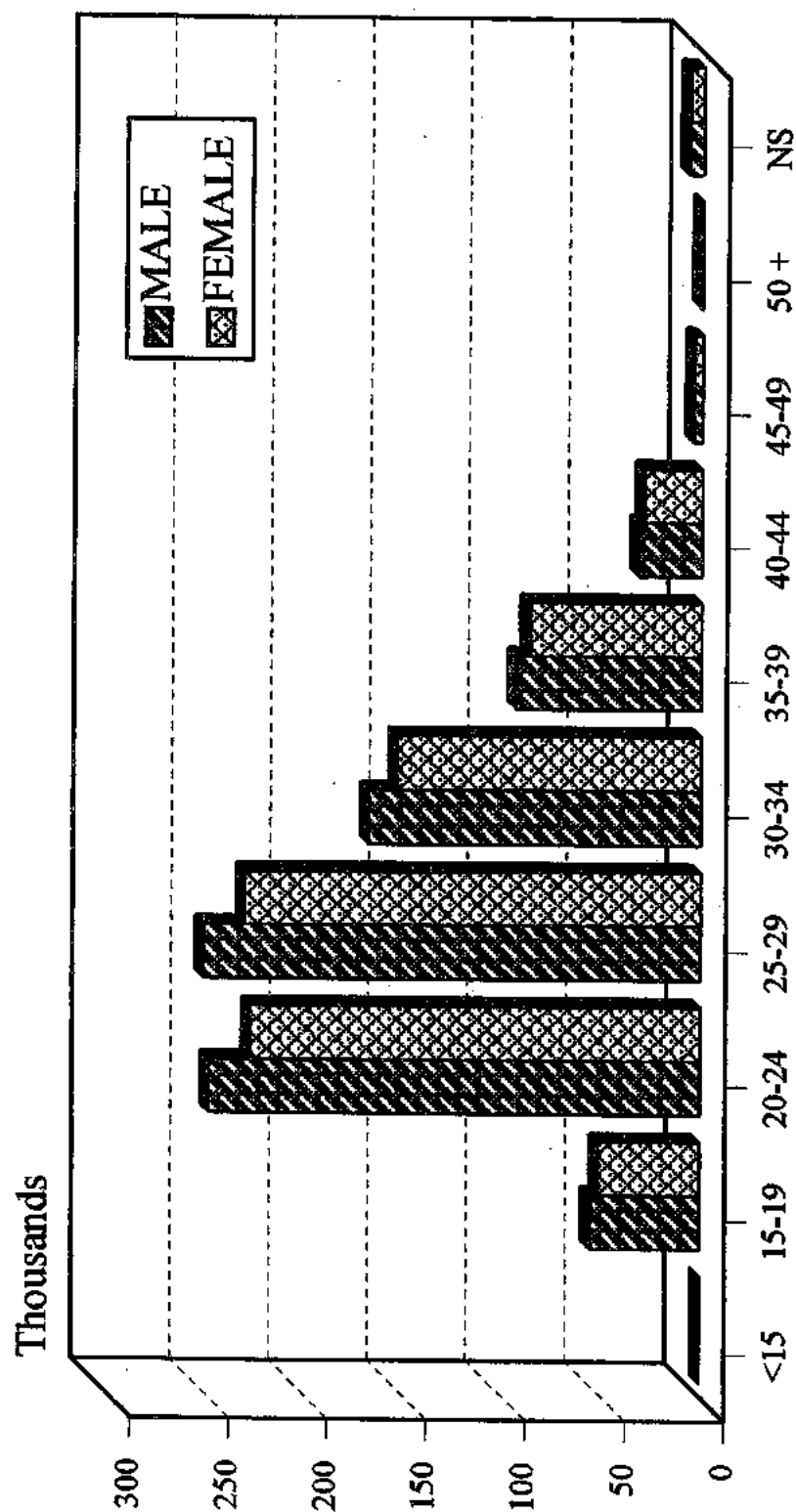


Fig. 9

TABLE 12

**LIVEBIRTHS BY AGE OF MOTHER & NUMBER OF LIVING ISSUES  
PHILIPPINES  
1991**

AGE OF MOTHER (In Years)	TOTAL	NUMBER OF LIVING ISSUES				
		1	2	3	4	5
<b>ALL AGES</b>	<b>1,643,296</b>	<b>458,197</b>	<b>367,576</b>	<b>284,914</b>	<b>193,536</b>	<b>123,569</b>
Under 15 years	225	225	0	0	0	0
15 - 19 years	105,526	82,385	18,467	2,522	273	75
20 - 24 years	474,239	212,258	156,463	75,733	22,970	4,746
25 - 29 years	480,319	108,220	121,832	114,695	77,676	36,892
30 - 34 years	319,753	36,304	49,952	62,759	58,646	47,332
35 - 39 years	179,296	11,610	15,419	22,791	26,229	26,120
40 - 44 years	60,352	2,843	2,925	4,236	5,864	6,748
45 - 49 years	8,630	518	365	443	679	821
50 years & Over	1,107	83	85	86	95	107
Not Stated	13,849	3,751	2,068	1,649	1,104	728

**LIVEBIRTHS BY AGE OF MOTHER & NUMBER OF LIVING ISSUES  
PHILIPPINES  
1991**

AGE OF MOTHER (In Years)	NUMBER OF LIVING ISSUES					
	6	7	8	9	10 & OVER	NOT STATED
<b>ALL AGES</b>	<b>80,222</b>	<b>51,541</b>	<b>32,192</b>	<b>18,823</b>	<b>8,367</b>	<b>24,359</b>
Under 15 years	0	0	0	0	0	0
15 - 19 years	0	0	0	0	0	1,804
20 - 24 years	1,027	354	127	56	26	479
25 - 29 years	13,211	3,722	997	258	85	2,731
30 - 34 years	32,740	18,107	7,816	2,756	751	2,590
35 - 39 years	24,224	20,476	14,847	8,874	3,523	5,183
40 - 44 years	7,456	7,368	7,102	5,823	3,363	6,624
45 - 49 years	901	1,053	981	846	529	1,494
50 years & Over	122	141	124	92	39	133
Not Stated	541	320	198	118	51	3,321

## NOTIFIABLE DISEASES STATISTICS

Statistics on notifiable diseases presented and analyzed in this report were collected from the Weekly Report of Notifiable Diseases (W-1b), received weekly from all provincial and city health office throughout the country.

In accordance with Act 3753 (Law on Reporting of Notifiable Diseases), the Department of Health issued the following list of notifiable diseases in 1984, namely; Accidents, AIDS/HIV infection, Bronchitis, Cholera, Chickenpox, Dengue H-fever, Diarrhea, 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 1991 are shown in Table 13 and Figure 10, of these diseases, three (3) are Respiratory Diseases, namely; Bronchitis, Pneumonias, and Tuberculosis which occupied second, fourth, and fifth positions. One is Gastro-intestinal namely; Diarrheal Diseases which ranked first with a total of 984,725 cases or 1676.9 per 100,000 population. Three are Viral Diseases - Influenza, Varicella and Measles which occupied third, ninth and tenth places with a total of 462,915 or 788.3 per 100,000 population, 42,864 or 73.0 per 100,000 population and 35,173 or 59.9 per 100,000 population respectively. One is parasitic - Malaria which is in the eight position with a total of 43,200 or 73.6 per 100,000 population. The last two diseases are Accidents with 63,001 cases or 107.3 per 100,000 population, Diseases of the Heart with 57,530 cases or 98.0 per 100,000 population.

REGIONAL MORBIDITY DIFFERENTIALS - The notifiable diseases were evenly distributed throughout the country with a few exceptions. There are large variations in morbidity rates by type of morbid condition among regions. Morbidity differentials for certain endemic areas such as malaria and schistosomiasis show that malaria is concentrated in Cagayan Valley and in some regions of Mindanao while schistosomiasis is concentrated in Eastern Visayas and in the four Mindanao regions. As shown in Table 15, practically the same disease problems were present in the 14 regions in the country.

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**5-YEAR AVERAGE (1986-1990) & 1991**

CAUSE	5-Year Average (1986-1990)		1991	
	NUMBER	RATE	NUMBER	RATE
1. DIARRHEAL DISEASES (002-009)	3,424,655	6281.0	999,725	1702.5
2. BRONCHITIS (466)	3,879,246	7114.7	891,662	1518.5
3. INFLUENZA (487)	2,787,850	5113.1	462,915	788.3
4. PNEUMONIAS (480-486)	1,043,256	1913.4	275,513	469.2
5. TUBERCULOSIS ALL FORMS (010-018;137)	847,959	1555.2	123,291	210.0
6. ACCIDENTS (800-999;E800-E949)	615,130	1128.2	63,001	107.3
7. DISEASES OF THE HEART (390-398;402-404;410-429)	432,452	793.1	57,530	98.0
8. MALARIA (084)	558,668	1024.6	43,200	73.6
9. VARICELLA (052)	36,332	66.6	42,864	73.0
10. MEASLES (055)	323,506	593.3	35,173	59.9

# **MORBIDITY: TEN (10) LEADING CAUSES** **Rate per 100,000 Population** **Phils., 5 Yr. Ave.(1986-1990) & 1991**

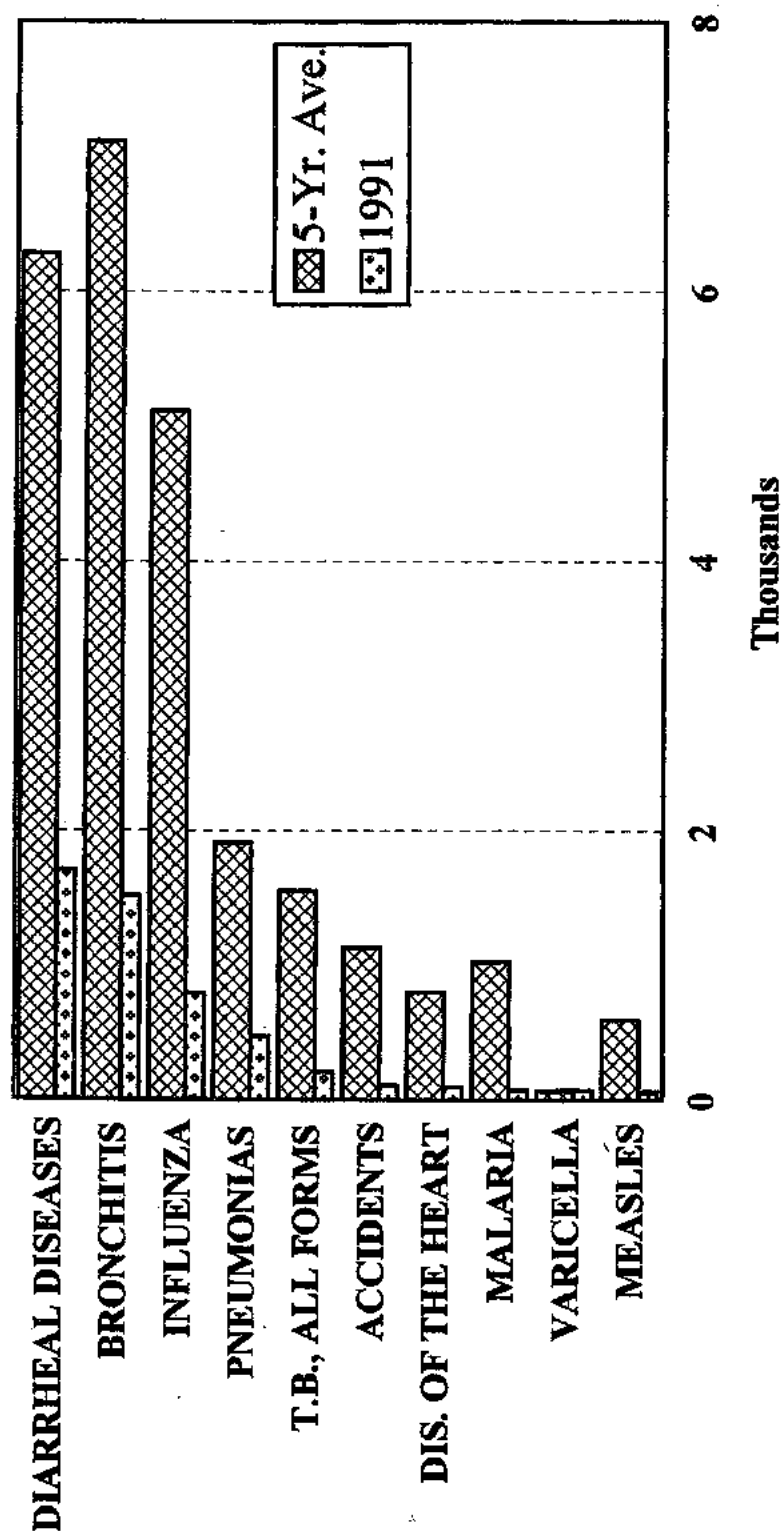


Fig. 10

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	NATIONAL CAPITAL REGION	
	NUMBER	RATE
1. DIARRHEAS	58,487	705.1
2. BRONCHITIS	52,650	634.7
3. PNEUMONIAS	24,957	300.9
4. T.B. ALL FORMS	14,575	175.7
5. INFLUENZA	13,539	163.2
6. MALIGNANT NEOPLASMS	7,787	93.9
7. DIS. OF THE HEART	4,783	57.7
8. MEASLES	4,382	52.8
9. VARICELLA	3,049	36.8
10. INFECTIOUS HEPATITIS	1,821	22.0

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	CORDILLERA AUTONOMOUS REGION	
	NUMBER	RATE
1. BRONCHITIS	34,793	2892.5
2. DIARRHEAS	27,099	2252.9
3. INFLUENZA	13,871	1153.2
4. PNEUMONIAS	12,585	1046.3
5. VARICELLA	1,858	154.5
6. DISEASES OF THE HEART	1,554	129.2
7. T.B. ALL FORMS	1,536	127.7
8. MEASLES	798	66.3
9. MALIGNANT NEOPLASMS	597	49.6
10. INFECTIOUS HEPATITIS	486	40.4

TABLE 14

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 1	
	NUMBER	RATE
1. DIARRHEAS	36,655	979.5
2. BRONCHITIS	20,508	548.0
3. INFLUENZA	16,451	439.6
4. PNEUMONIAS	12,869	343.9
5. T.B. ALL FORMS	5,756	153.8
6. DISEASES OF THE HEART	4,620	123.5
7. MALIGNANT NEOPLASMS	2,590	69.2
8. ACCIDENTS	1,765	47.2
9. TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INFECTIONS	1,240	33.1
10. MEASLES	1,045	27.9

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 2	
	NUMBER	RATE
1. BRONCHITIS	60,764	2493.6
2. INFLUENZA	43,203	1773.0
3. DIARRHEAS	36,747	1508.0
4. PNEUMONIAS	13,904	570.6
5. MALARIA	8,567	351.6
6. T.B. ALL FORMS	7,000	287.3
7. DISEASES OF THE HEART	2,939	120.6
8. ACCIDENTS	2,507	102.9
9. VARICELLA	1,567	64.3
10. MEASLES	1,483	60.9

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 3	
	NUMBER	RATE
1. DIARRHEAS	233,990	3585.3
2. BRONCHITIS	70,737	1083.9
3. INFLUENZA	24,020	368.0
4. PNEUMONIAS	9,823	150.5
5. T.B. ALL FORMS	6,386	97.8
6. MALIGNANT NEOPLASMS	4,001	61.3
7. DISEASES OF THE HEART	3,572	54.7
8. VARICELLA	3,481	53.3
9. MEASLES	2,925	44.8
10. GONOCOCCAL INFECTIONS	977	15.0

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 4	
	NUMBER	RATE
1. DIARRHEAS	55,596	635.1
2. BRONCHITIS	41,907	478.8
3. INFLUENZA	32,349	369.6
4. PNEUMONIAS	17,348	198.2
5. MALARIA	15,446	176.5
6. T.B. ALL FORMS	15,402	176.0
7. DISEASES OF THE HEART	12,154	138.9
8. ACCIDENTS	7,960	90.9
9. MALIGNANT NEOPLASMS	4,517	51.6
10. VARICELLA	3,731	42.6



TABLE 14

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 3	
	NUMBER	RATE
1. BRONCHITIS	82,983	2048.0
2. INFLUENZA	70,025	1728.2
3. DIARRHEAS	61,090	1507.7
4. PNEUMONIAS	35,665	880.2
5. T.B. ALL FORMS	19,866	490.3
6. DISEASES OF THE HEART	6,454	159.3
7. MEASLES	5,134	126.7
8. VARICELLA	4,081	100.7
9. MALARIA	1,917	47.3
10. MALIGNANT NEOPLASMS	1,622	40.0

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 8	
	NUMBER	RATE
1. BRONCHITIS	85,669	1524.9
2. DIARRHEAS	70,840	1261.0
3. INFLUENZA	36,538	650.4
4. PNEUMONIAS	20,979	373.4
5. T.B. ALL FORMS	12,465	221.9
6. VARICELLA	5,079	90.4
7. DISEASES OF THE HEART	4,888	87.0
8. MALIGNANT NEOPLASMS	3,096	55.1
9. TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA	2,284	40.7
10. MEASLES	2,229	39.7

TABLE 14

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**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 7	
	NUMBER	RATE
1. DIARRHEAS	90,673	1889.7
2. BRONCHITIS	42,997	896.1
3. INFLUENZA	27,668	576.6
4. PNEUMONIAS	14,071	293.3
5. T.B. ALL FORMS	8,218	171.3
6. ACCIDENTS	7,792	162.4
7. DISEASES OF THE HEART	5,708	119.0
8. MALIGNANT NEOPLASMS	3,327	69.3
9. MEASLES	2,328	48.5
10. H-FEVER	1,355	28.2

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 8	
	NUMBER	RATE
1. BRONCHITIS	72,469	2306.1
2. DIARRHEAS	51,277	1631.7
3. PNEUMONIAS	25,875	823.4
4. INFLUENZA	22,138	704.5
5. ACCIDENTS	11,100	353.2
6. T.B. ALL FORMS	6,697	213.1
7. SHISTOSOMIASIS	4,871	155.0
8. DISEASES OF THE HEART	3,460	110.1
9. MEASLES	3,140	99.9
10. VARICELLA	2,460	78.3

TABLE 14

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 10	
	NUMBER	RATE
1. INFLUENZA	71,288	2166.1
2. DIARRHEAS	68,770	2089.6
3. BRONCHITIS	68,748	2089.0
4. PNEUMONIAS	30,327	921.5
5. ACCIDENTS	5,875	178.5
6. MALARIA	4,889	148.6
7. VARICELLA	2,733	83.0
8. MEASLES	2,025	61.5
9. T.B. ALL FORMS	1,979	60.1
10. DIS. OF THE HEART	1,118	34.0

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 10	
	NUMBER	RATE
1. BRONCHITIS	94,101	2022.0
2. DIARRHEAS	58,376	1254.4
3. INFLUENZA	23,915	513.9
4. PNEUMONIAS	21,650	465.2
5. T.B. ALL FORMS	10,640	228.6
6. ACCIDENTS	6,579	141.4
7. SCHISTOSOMIASIS	4,859	104.4
8. VARICELLA	3,978	85.5
9. MEASLES	2,643	56.8
10. MALARIA	2,613	56.1

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION II	
	NUMBER	RATE
1. BRONCHITIS	119,621	3271.0
2. DIARRHEAS	64,398	1760.9
3. INFLUENZA	39,689	1085.3
4. PNEUMONIAS	20,550	561.9
5. SCHISTOSOMIASIS	14,062	384.5
6. ACCIDENTS	9,538	260.8
7. T.B. ALL FORMS	9,065	247.9
8. MALARIA	5,779	158.0
9. VARICELLA	3,531	96.6
10. DISEASES OF THE HEART	2,239	61.2

**MORBIDITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Population**  
**PHILIPPINES**  
**1991**

CAUSES	REGION 12	
	NUMBER	RATE
1. DIARRHEAS	70,727	2049.1
2. BRONCHITIS	35,274	1021.9
3. INFLUENZA	31,803	921.4
4. PNEUMONIAS	11,028	319.5
5. VARICELLA	4,904	142.1
6. ACCIDENTS	4,585	132.8
7. T.B. ALL FORMS	3,706	107.4
8. MEASLES	3,100	89.8
9. MALARIA	2,870	83.1
10. DISEASES OF THE HEART	1,825	52.9

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INF. (102-002)				DIARRHEAS (102-002)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>13,844</b>	<b>21.8</b>	<b>1,080</b>	<b>1.7</b>	<b>984,713</b>	<b>1547.8</b>	<b>4,317</b>	<b>6.8</b>
<b>NAT. CAP. REGION</b>	<b>1,435</b>	<b>17.3</b>	<b>129</b>	<b>1.6</b>	<b>58,487</b>	<b>705.1</b>	<b>502</b>	<b>6.1</b>
1ST DIST. MANILA	650	25.0	38	1.5	15,558	597.6	80	3.1
2ND DIST. MUN.	31	3.1	21	2.1	5,331	538.5	67	6.8
QUEZON CITY	538	30.8	48	2.7	13,082	748.7	114	6.5
3RD DIST. MUN.	17	2.1	5	0.6	13,002	1617.8	41	5.1
CALOOCAN CITY	25	3.1	2	0.2	5,834	715.1	61	7.5
4TH DIST. MUN.	74	7.7	13	1.4	2,031	212.7	120	12.6
PASAY CITY	100	26.3	2	0.5	3,649	959.6	19	5.0
<b>C.A.R.</b>	<b>434</b>	<b>36.1</b>	<b>10</b>	<b>0.8</b>	<b>27,099</b>	<b>2252.9</b>	<b>46</b>	<b>3.8</b>
ABRA	4	2.1	1	0.5	4,623	2388.6	6	3.1
BENGUET	247	77.6	7	2.2	7,912	2484.6	25	7.9
IFUGAO	68	43.2	0	-	3,985	2529.4	3	1.9
KALINGA-APAYAO	21	9.7	1	0.5	5,216	2407.6	4	1.8
MT. PROVINCE	15	12.4	1	0.8	4,339	3577.6	8	6.6
BAGUIO CITY	79	40.4	0	0.0	1,024	524.1	0	0.0
<b>REGION 1</b>	<b>1,240</b>	<b>33.1</b>	<b>112</b>	<b>3.0</b>	<b>36,655</b>	<b>979.5</b>	<b>195</b>	<b>5.2</b>
ILOCOS NORTE	33	8.3	16	4.0	3,877	978.9	16	4.0
ILOCOS SUR	237	43.5	13	2.4	6,523	1197.7	19	3.5
LA UNION	564	97.9	26	4.5	6,859	1190.5	23	4.0
PANGASINAN	320	17.1	49	2.6	15,262	813.7	94	5.0
DAGUPAN CITY	68	52.5	7	0.0	895	690.4	27	20.8
LAOAG CITY	2	2.3	0	1.1	1,744	1969.0	6	6.8
SAN CARLOS CITY	16	12.2	1	-	1,495	1137.4	10	7.6
<b>REGION 2</b>	<b>67</b>	<b>2.7</b>	<b>27</b>	<b>1.1</b>	<b>36,747</b>	<b>1508.0</b>	<b>149</b>	<b>6.1</b>
BATANES	0	-	0	-	830	5167.2	0	-
CAGAYAN	25	2.9	8	0.9	1,749	202.8	66	7.7
ISABELA	9	0.8	3	0.3	22,021	1954.4	70	6.2
NUEVA VIZCAYA	28	9.0	16	5.1	10,531	3367.0	8	2.6
QUIRINO	5	4.2	0	-	1,616	1358.8	5	4.2
<b>REGION 3</b>	<b>285</b>	<b>4.4</b>	<b>48</b>	<b>0.7</b>	<b>233,990</b>	<b>3585.3</b>	<b>316</b>	<b>4.8</b>
BATAAN	48	10.8	0	0.0	121,149	27281.9	19	4.3
BULACAN	92	5.8	24	1.5	35,898	2262.4	90	5.7
NUEVA ECJA	47	4.5	4	0.4	19,541	1861.6	23	2.2
PAMPANGA	13	0.9	4	0.3	21,539	1568.1	71	5.2
TARLAC	34	3.7	7	0.8	16,388	1805.7	50	5.5
ZAMBALES	4	1.0	1	0.3	10,054	2568.2	21	5.4

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA (100-000)				DIARRHEAS (100-000)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	28	11.4	0	-	3,784	1539.0	5	2.0
CABANATUAN CITY	7	3.5	2	1.0	3,166	1593.6	12	6.0
OLONGAPO CITY	10	5.0	5	2.5	892	445.6	16	8.0
PALAYAN CITY	0	0.0	0	-	539	2438.8	0	-
SAN JOSE CITY	2	2.0	1	-	940	929.3	9	8.9
<b>REGION 4</b>	<b>941</b>	<b>10.8</b>	<b>115</b>	<b>1.3</b>	<b>55,596</b>	<b>635.1</b>	<b>568</b>	<b>6.5</b>
AURORA	1	0.7	0	-	834	568.0	16	10.9
BATANGAS	74	6.2	8	0.7	2,804	235.8	30	2.5
CAVITE	7	0.6	4	0.4	4,177	379.1	59	5.4
LAGUNA	20	1.5	7	0.5	440	34.0	41	3.2
MARINDUQUE	12	6.3	4	2.1	2,622	1381.6	33	17.4
MINDORO OCC.	19	6.5	5	1.7	2,814	966.6	22	7.6
MINDORO OR.	33	5.8	9	1.6	3,565	623.2	50	8.7
PALAWAN	12	2.6	1	0.2	7,018	1532.2	28	6.1
QUEZON	98	7.7	22	1.7	9,624	754.8	133	10.4
RIZAL	233	21.8	13	1.2	7,481	700.8	79	7.4
ROMBLON	330	138.3	20	8.4	6,600	2765.6	16	6.7
BATANGAS CITY	14	7.2	5	2.6	1,308	670.1	8	4.1
CAVITE CITY	9	9.6	0	-	1,082	1153.4	2	2.1
LIPA CITY	17	10.0	3	1.8	967	567.6	1	0.6
LUCENA CITY	15	9.4	3	1.9	942	589.9	31	19.4
PUERTO PRINCESA CITY	26	27.1	6	6.3	607	633.1	5	5.2
SAN PABLO CITY	18	10.6	4	2.4	1,760	1036.6	8	4.7
TAGAYTAY CITY	3	11.8	1	3.9	772	3041.3	6	23.6
TRECE MARTIRES CITY	0	-	0	-	179	988.5	0	-
<b>REGION 5</b>	<b>1,384</b>	<b>34.2</b>	<b>69</b>	<b>1.7</b>	<b>61,090</b>	<b>1507.7</b>	<b>297</b>	<b>7.3</b>
ALBAY	74	9.2	14	1.7	15,163	1884.7	44	5.5
CAMARINES NORTE	11	2.6	2	0.5	3,952	951.7	58	14.0
CAMARINES SUR	431	38.1	6	0.5	22,916	2026.0	80	7.1
CATANDUANES	7	3.6	4	2.1	1,543	799.1	15	7.8
MASBATE	754	123.9	23	3.8	8,645	1420.9	43	7.1
SORSOGON	27	5.1	10	1.9	5,722	1073.7	41	7.7
IRIGA CITY	9	10.1	3	3.4	235	262.8	0	-
LEGASPI CITY	68	53.5	5	3.9	895	704.0	6	4.7
NAGA CITY	3	2.0	2	1.3	2,019	1346.9	10	6.7
<b>REGION 6</b>	<b>2,284</b>	<b>40.7</b>	<b>142</b>	<b>2.5</b>	<b>70,840</b>	<b>1261.0</b>	<b>512</b>	<b>9.1</b>
AKLAN	403	102.0	6	1.5	9,494	2402.4	38	9.6
ANTIQUE	159	37.5	14	3.3	7,618	1796.4	35	8.3
CAPIZ	487	104.3	5	1.1	13,132	2813.5	22	4.7
ILOILO	124	8.1	22	1.4	10,607	696.0	104	6.8
NEGROS OCC.	678	47.4	37	2.6	20,998	1469.1	156	10.9

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLA INE (002-003)				DIARRHEAS (004-009)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	164	42.3	14	3.6	1,585	408.9	49	12.6
BAGO CITY	13	10.2	1	0.8	1,453	1139.3	12	9.4
CADIZ CITY	65	53.8	2	1.7	1473	1219.6	10	8.3
ILOILO CITY	100	30.4	20	6.1	1,271	386.0	12	3.6
LA CARLOTA CITY	44	73.9	0	-	964	1619.0	5	8.4
ROXAS CITY	10	6.9	3	2.1	627	435.5	10	6.9
SAN CARLOS CITY	25	22.3	17	15.2	1,480	1322.7	38	34.0
SILAY CITY	12	12.3	1	1.0	138	140.9	21	21.4
<b>REGION 7</b>	<b>1,064</b>	<b>22.2</b>	<b>103</b>	<b>2.1</b>	<b>90,671</b>	<b>1889.7</b>	<b>375</b>	<b>7.8</b>
BOHOL	278	29.8	25	2.7	18,511	1984.9	90	9.7
CEBU	89	5.6	24	1.5	17,560	1099.5	102	6.4
NEGROS OR	256	33.4	22	2.9	22,891	2986.5	65	8.5
SIQUIJOR	22	29.0	3	3.9	2,611	3436.2	11	14.5
BAIS CITY	16	25.6	3	4.8	167	267.4	2	3.2
CANLAON CITY	0	-	0	-	2,227	5627.1	0	-
CEBU CITY	183	29.2	7	1.1	13,192	2102.6	45	7.2
DANAO CITY	12	15.4	3	3.8	648	830.2	7	9.0
DUMAGUETE CITY	68	81.1	11	13.1	190	226.6	18	21.5
LAPU-LAPU CITY	5	3.2	1	0.6	2,340	1488.8	4	2.5
MANDAWE CITY	3	1.6	1	0.5	5,493	2860.7	13	6.8
TAGBILARAN CITY	34	57.6	3	5.1	1,237	2095.7	7	11.9
TOLEDO CITY	98	77.5	0	-	3,604	2850.4	11	8.7
<b>REGION 8</b>	<b>714</b>	<b>22.7</b>	<b>76</b>	<b>2.4</b>	<b>51,277</b>	<b>1631.7</b>	<b>248</b>	<b>7.9</b>
LEYTE DEL NORTE	178	14.1	18	1.4	19,015	1507.6	80	6.3
LEYTE DEL SUR	10	3.0	2	0.6	9,838	2973.5	35	10.6
EASTERN SAMAR	5	1.5	1	0.3	8,582	2567.0	12	3.6
NORTHERN SAMAR	93	24.0	27	7.0	6,524	1685.0	49	12.7
WESTERN SAMAR	236	55.1	13	3.0	3,198	746.6	24	5.6
CALBAYOG CITY	155	130.6	6	5.1	2,693	2269.6	20	16.9
ORMOC CITY	13	9.5	7	5.1	687	504.7	15	11.0
TACLOBAN CITY	24	16.5	2	1.4	740	508.0	13	8.9
<b>REGION 9</b>	<b>951</b>	<b>28.9</b>	<b>90</b>	<b>2.7</b>	<b>68,770</b>	<b>2089.6</b>	<b>201</b>	<b>6.1</b>
BASILAN	31	12.7	7	2.9	3,412	1393.8	7	2.9
SULU	23	4.6	11	2.2	3,587	713.7	19	3.8
TAWI-TAWI	6	2.6	0	-	1,025	449.1	1	0.4
ZAMB. DEL NORTE	363	66.5	23	4.2	14,335	2627.4	50	9.2
ZAMB. DEL SUR	194	18.3	31	2.9	41,002	3858.2	62	5.8

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	TYPHOID & PARATYPHOID FEVER & OTHER SALMONELLAE (002-003)				DIARRHEAS (004-009)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	10	16.5	1	1.6	1,072	1763.4	7	11.5
DIPOLOG CITY	47	56.2	3	3.6	1,115	1332.2	16	19.1
PAGADIAN CITY	31	27.9	10	9.0	1,966	1770.8	20	18.0
ZAMBOANGA CITY	246	54.5	4	0.9	1,256	278.1	19	4.2
<b>REGION 10</b>	<b>1,322</b>	<b>36.1</b>	<b>53</b>	<b>1.4</b>	<b>58,366</b>	<b>1596.0</b>	<b>385</b>	<b>10.5</b>
AGUSAN DEL NORTE	54	21.8	1	0.4	2,009	810.0	30	12.1
AGUSAN DEL SUR	81	17.7	4	0.9	7,667	1676.6	23	5.0
BUKIDNON	338	38.4	7	0.8	18,340	2081.9	61	6.9
CAMIGUIN	12	17.8	0	-	1,244	1849.3	3	4.5
MISAMIS OCC.	46	18.9	1	0.4	4,674	1919.3	17	7.0
MISAMIS OR.	13	2.9	3	0.7	6,810	1501.1	64	14.1
SURIGAO DEL NORTE	80	24.2	4	1.2	5,120	1551.7	29	8.8
BUTUAN CITY	215	89.2	8	3.3	4,635	1923.0	56	23.2
CAGAYAN DE ORO	250	70.2	6	1.7	3,030	851.0	40	11.2
GINGOOG CITY	7	8.3	1	1.2	2,247	2679.4	18	21.5
OROQUIETA CITY	44	81.7	5	9.3	994	1846.6	10	18.6
OZAMIS CITY	72	75.8	9	9.5	506	533.0	9	9.5
SURIGAO CITY	29	28.1	2	1.9	913	885.1	13	12.6
TANGUB CITY	81	186.2	2	4.6	177	406.9	12	27.6
<b>REGION 11</b>	<b>1,019</b>	<b>21.9</b>	<b>53</b>	<b>1.1</b>	<b>64,398</b>	<b>1383.8</b>	<b>384</b>	<b>8.3</b>
COTABATO SOUTH	100	11.7	7	0.8	20,178	2369.2	48	5.6
DAVAO ORIENTAL	101	24.9	11	2.7	4,500	1110.7	78	19.3
DAVAO DEL NORTE	90	8.1	2	0.2	3,616	324.6	30	2.7
DAVAO DEL SUR	55	8.4	10	1.5	13,280	2020.9	27	4.1
SURIGAO DEL SUR	272	58.7	6	1.3	14,723	3176.1	98	21.1
DAVAO CITY	330	37.0	7	0.8	5,058	567.5	41	4.6
GEN. SANTOS CITY	71	26.2	10	3.7	3,043	1122.8	62	22.9
<b>REGION 12</b>	<b>704</b>	<b>20.4</b>	<b>53</b>	<b>1.5</b>	<b>70,727</b>	<b>2049.1</b>	<b>139</b>	<b>4.0</b>
NORTH COTABATO	125	30.0	3	0.7	9,429	2266.5	8	1.9
LANAO DEL NORTE	112	19.4	20	3.5	5,779	999.0	40	6.9
LANAO DEL SUR	115	16.7	3	0.4	12,790	1852.8	3	0.4
MAGUINDANAO	63	7.6	4	0.5	27,113	3291.4	13	1.6
SULTAN KUDARAT	30	6.5	4	0.9	7,929	1718.3	27	5.9
COTABATO CITY	94	68.0	5	3.6	3,050	2206.0	9	6.5
ILIGAN CITY	144	61.0	11	4.7	3,665	1552.7	39	16.5
MARAWI CITY	21	19.6	3	2.8	972	905.2	0	-



TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
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AREA	TUBERCULOSIS OTHER FORMS (01-012-014-015-016)				T.B. MENINGITIS (017)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>123,291</b>	<b>193.8</b>	<b>22,814</b>	<b>35.9</b>	<b>1,490</b>	<b>2.3</b>	<b>0</b>	<b>—</b>
<b>NAT. CAP. REGION</b>	<b>14,575</b>	<b>175.7</b>	<b>3,653</b>	<b>44.0</b>	<b>125</b>	<b>1.5</b>	<b>0</b>	<b>—</b>
1ST DIST. MANILA	4,510	173.2	998	38.3	76	2.9	0	—
2ND DIST. MUN.	2,126	214.8	379	38.3	5	0.5	0	—
QUEZON CITY	1,704	97.5	1,159	66.3	24	1.4	0	—
3RD DIST. MUN.	1,486	184.9	315	39.2	5	0.6	0	—
CALOOCAN CITY	2,148	263.3	318	39.0	0	—	0	—
4TH DIST. MUN.	1,993	208.7	404	42.3	0	—	0	—
PASAY CITY	608	159.9	80	21.0	15	3.9	0	—
<b>C.A.R.</b>	<b>1,536</b>	<b>127.7</b>	<b>167</b>	<b>13.9</b>	<b>33</b>	<b>2.7</b>	<b>0</b>	<b>—</b>
ABRA	236	121.9	48	24.8	11	5.7	0	—
BENGUET	128	40.2	60	18.8	1	0.3	0	—
IFUGAO	522	331.3	19	12.1	10	6.3	0	—
KALINGA-APAYAO	551	254.3	28	12.9	10	4.6	0	—
MT. PROVINCE	27	22.3	12	9.9	0	—	0	—
BAGUIO CITY	72	36.8	0	—	1	0.5	0	—
<b>REGION 1</b>	<b>5,756</b>	<b>153.8</b>	<b>1,517</b>	<b>40.5</b>	<b>52</b>	<b>1.4</b>	<b>0</b>	<b>—</b>
ILOCOS NORTE	421	106.3	147	37.1	6	1.5	0	—
ILOCOS SUR	893	164.0	169	31.0	6	1.1	0	—
LA UNION	419	72.7	206	35.8	16	2.8	0	—
PANGASINAN	3,120	166.3	835	44.5	10	0.5	0	—
DAGUPAN CITY	534	411.9	76	58.6	5	3.9	0	—
LAOAG CITY	178	201.0	32	36.1	3	3.4	0	—
SAN CARLOS CITY	191	145.3	52	39.6	6	4.6	0	—
<b>REGION 2</b>	<b>7,000</b>	<b>287.3</b>	<b>727</b>	<b>29.8</b>	<b>49</b>	<b>2.0</b>	<b>0</b>	<b>—</b>
BATANES	100	622.5	4	24.9	0	—	0	—
CAGAYAN	3,682	427.0	327	37.9	22	2.6	0	—
ISABELA	2,068	183.5	323	28.7	0	—	0	—
NUEVA VIZCAYA	834	266.6	33	16.9	0	—	0	—
QUIRINO	316	265.7	20	16.8	27	22.7	0	—
<b>REGION 3</b>	<b>6,386</b>	<b>97.8</b>	<b>2,560</b>	<b>39.2</b>	<b>33</b>	<b>0.5</b>	<b>0</b>	<b>—</b>
BATAAN	1,385	311.9	208	46.8	6	1.4	0	—
BULACAN	1,513	95.4	690	43.5	2	0.1	0	—
NUEVA ECUIJA	501	47.5	378	35.8	4	0.4	0	—
PAMPANGA	510	37.1	441	32.1	0	—	0	—
TARLAC	409	45.1	386	42.5	12	1.3	0	—
ZAMBALES	287	73.3	146	37.3	0	—	0	—

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	TUBERCULOSIS OTHER FORMS (101-102-014-015-135)				T.B. MENINGITIS (103)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	528	214.7	85	34.6	6	2.4	0	-
CABANATUAN CITY	212	106.7	103	51.8	0	-	0	-
OLONGAPO CITY	918	458.6	104	52.0	0	-	0	-
PALAYAN CITY	11	49.8	0	-	0	-	0	-
SAN JOSE CITY	112	110.7	19	18.8	3	3.0	0	-
<b>REGION 4</b>	<b>15,402</b>	<b>176.0</b>	<b>3,039</b>	<b>34.7</b>	<b>135</b>	<b>1.5</b>	<b>0</b>	<b>-</b>
AURORA	71	48.4	57	38.8	0	-	0	-
BATANGAS	2,978	250.4	293	24.6	0	-	0	-
CAVITE	2,719	246.8	319	29.0	0	-	0	-
LAGUNA	1,408	108.7	502	38.8	37	2.9	0	-
MARINDUQUE	515	271.4	92	48.5	0	-	0	-
MINDORO OCC.	191	65.6	89	30.6	0	-	0	-
MINDORO OR.	485	84.8	181	31.6	3	0.5	0	-
PALAWAN	393	85.8	81	17.7	3	0.7	0	-
QUEZON	3,564	279.5	589	46.2	65	5.1	0	-
RIZAL	657	61.5	371	34.8	12	1.1	0	-
ROMBLON	747	313.0	142	59.5	0	-	0	-
BATANGAS CITY	225	115.3	36	18.4	0	-	0	-
CAVITE CITY	128	136.4	5	5.3	0	-	0	-
LIPA CITY	296	173.7	72	42.3	2	1.2	0	-
LUCENA CITY	201	125.9	84	52.6	0	-	0	-
PUERTO PRINCESA CITY	227	236.8	29	30.2	0	-	0	-
SAN PABLO CITY	415	244.4	57	33.6	13	7.7	0	-
TAGAYTAY CITY	128	504.3	40	157.6	0	-	0	-
TRECE MARTIRES CITY	54	298.2	0	-	0	-	0	-
<b>REGION 5</b>	<b>19,866</b>	<b>490.3</b>	<b>2,090</b>	<b>51.6</b>	<b>274</b>	<b>6.8</b>	<b>0</b>	<b>-</b>
ALBAY	3,652	453.9	433	53.8	21	2.6	0	-
CAMARINES NORTE	3,339	804.0	211	50.8	44	10.6	0	-
CAMARINES SUR	8,357	738.8	620	54.8	115	10.2	0	-
CATANDUANES	495	256.3	154	79.8	12	6.2	0	-
MASBATE	2,225	365.7	165	27.1	56	9.2	0	-
SORSOGON	841	157.8	271	50.9	11	2.1	0	-
IRIGA CITY	79	88.3	27	30.2	0	-	0	-
LEGASPI CITY	534	420.1	58	45.6	5	3.9	0	-
NAGA CITY	344	229.5	151	100.7	10	6.7	0	-
<b>REGION 6</b>	<b>12,465</b>	<b>221.9</b>	<b>3,161</b>	<b>56.3</b>	<b>130</b>	<b>2.3</b>	<b>0</b>	<b>-</b>
AKLAN	1,445	365.7	233	59.0	10	2.5	0	-
ANTIQUE	1,377	324.7	340	80.2	20	4.7	0	-
CAPIZ	1,222	261.8	149	31.9	1	0.2	0	-
ILOILO	1,613	105.8	750	49.2	19	1.2	0	-
NEGROS OCC.	3,109	217.5	774	54.2	41	2.9	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	DIPHTHERIA, POLIO, OTHER FORMS				T.B. MENINGITIS			
	1990-01-01-01-31-91		1991-01-01-01-31-91		1991-01-01-01-31-91		1991-01-01-01-31-91	
	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	1,323	341.3	392	101.1	0	-	0	-
BAGO CITY	130	101.9	86	67.4	0	-	0	-
CADIZ CITY	656	543.1	50	41.4	15	12.4	0	-
ILOILO CITY	404	122.7	138	41.9	2	0.6	0	-
LA CARLOTA CITY	244	409.8	48	80.6	1	1.7	0	-
ROXAS CITY	392	272.3	64	44.5	10	6.9	0	-
SAN CARLOS CITY	381	340.5	50	44.7	0	-	0	-
SILAY CITY	169	172.5	87	88.8	11	11.2	0	-
<b>REGION 7</b>	<b>8,218</b>	<b>171.3</b>	<b>1,351</b>	<b>28.2</b>	<b>156</b>	<b>3.3</b>	<b>0</b>	<b>-</b>
BOHOL	615	65.9	344	36.9	25	2.7	0	-
CEBU	2,725	170.6	270	16.9	34	2.1	0	-
NEGROS OR	1,252	163.3	167	21.8	27	3.5	0	-
SIQUIJOR	375	493.5	64	84.2	44	57.9	0	-
BAIS CITY	251	401.9	28	44.8	0	-	0	-
CANLAON CITY	1,315	3322.7	0	-	0	-	0	-
CEBU CITY	861	137.2	313	49.9	11	1.8	0	-
DANAO CITY	26	33.3	10	12.8	0	-	0	-
DUMAGUETE CITY	109	130.0	60	71.6	2	2.4	0	-
LAPU-LAPU CITY	38	24.2	13	8.3	9	5.7	0	-
MANDAWE CITY	414	215.6	20	10.4	0	-	0	-
TAGBILARAN CITY	209	354.1	49	83.0	4	6.8	0	-
TOLEDO CITY	28	22.1	13	10.3	0	-	0	-
<b>REGION 8</b>	<b>6,697</b>	<b>213.1</b>	<b>1,151</b>	<b>36.6</b>	<b>132</b>	<b>4.2</b>	<b>0</b>	<b>-</b>
LEYTE DEL NORTE	2,963	234.9	538	42.7	41	3.3	0	-
LEYTE DEL SUR	813	245.7	192	58.0	3	0.9	0	-
EASTERN SAMAR	538	160.9	61	18.2	4	1.2	0	-
NORTHERN SAMAR	1,314	339.4	122	31.5	65	16.8	0	-
WESTERN SAMAR	127	29.6	76	17.7	8	1.9	0	-
CALBAYOG CITY	304	256.2	66	55.6	7	5.9	0	-
ORMOC CITY	240	176.3	60	44.1	2	1.5	0	-
TACLOBAN CITY	398	273.2	36	24.7	2	1.4	0	-
<b>REGION 9</b>	<b>1,979</b>	<b>60.1</b>	<b>528</b>	<b>16.0</b>	<b>111</b>	<b>3.4</b>	<b>0</b>	<b>-</b>
BASILAN	143	58.4	41	16.7	0	-	0	-
SULU	146	29.1	31	6.2	0	-	0	-
TAWI-TAWI	219	95.9	3	1.3	0	-	0	-
ZAMB. DEL NORTE	521	95.5	101	18.5	75	13.7	0	-
ZAMB. DEL SUR	40	3.8	149	14.0	26	2.4	0	-

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	TUBERCULOSIS, OTHER FORMS (001-012, 014-08, 197)				TIF MENINGITIS (013)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	74	121.7	30	49.4	0	-	0	-
DIPOLOG CITY	263	314.2	25	29.9	6	7.2	0	-
PAGADIAN CITY	162	145.9	33	29.7	0	-	0	-
ZAMBOANGA CITY	411	91.0	115	25.5	4	0.9	0	-
<b>REGION 10</b>	<b>10,640</b>	<b>290.9</b>	<b>978</b>	<b>26.7</b>	<b>132</b>	<b>3.6</b>	<b>0</b>	<b>-</b>
AGUSAN DEL NORTE	881	355.2	67	27.0	0	-	0	-
AGUSAN DEL SUR	288	63.0	57	12.5	0	-	0	-
BUKIDNON	4,210	477.9	116	13.2	33	3.7	0	-
CAMIGUIN	120	178.4	33	49.1	0	-	0	-
MISAMIS OCC.	272	111.7	76	31.2	2	0.8	0	-
MISAMIS OR.	895	197.3	137	30.2	3	0.7	0	-
SURIGAO DEL NORTE	1,150	348.5	130	39.4	27	8.2	0	-
BUTUAN CITY	445	184.6	77	31.9	32	13.3	0	-
CAGAYAN DE ORO	650	182.6	113	31.7	10	2.8	0	-
GINGOOG CITY	341	406.6	29	34.6	2	2.4	0	-
OROQUIETA CITY	833	1547.5	31	57.6	23	42.7	0	-
OZAMIS CITY	401	422.4	46	48.5	0	-	0	-
SURIGAO CITY	114	110.5	56	54.3	0	-	0	-
TANGUB CITY	40	91.9	10	23.0	0	-	0	-
<b>REGION 11</b>	<b>9,065</b>	<b>194.8</b>	<b>1,297</b>	<b>27.9</b>	<b>81</b>	<b>1.7</b>	<b>0</b>	<b>-</b>
COTABATO SOUTH	1,128	132.4	196	23.0	43	5.0	0	-
DAVAO ORIENTAL	268	66.1	277	68.4	14	3.5	0	-
DAVAO DEL NORTE	1,407	126.3	56	5.0	1	0.1	0	-
DAVAO DEL SUR	541	82.3	135	20.5	4	0.6	0	-
SURIGAO DEL SUR	1,320	284.8	165	35.6	19	4.1	0	-
DAVAO CITY	4,127	463.0	311	34.9	0	-	0	-
GEN. SANTOS CITY	274	101.1	157	57.9	0	-	0	-
<b>REGION 12</b>	<b>3,706</b>	<b>107.4</b>	<b>595</b>	<b>17.2</b>	<b>47</b>	<b>1.4</b>	<b>0</b>	<b>-</b>
NORTH COTABATO	375	90.1	33	7.9	2	0.5	0	-
LANAO DEL NORTE	257	44.4	113	19.5	0	-	0	-
LANAO DEL SUR	1,063	154.0	15	2.2	10	1.4	0	-
MAGUINDANAO	304	36.9	39	4.7	2	0.2	0	-
SULTAN KUDARAT	675	146.3	121	26.2	16	3.5	0	-
COTABATO CITY	598	432.5	134	96.9	12	8.7	0	-
ILIGAN CITY	340	144.0	135	57.2	5	2.1	0	-
MARAWI CITY	94	87.5	5	4.7	0	-	0	-

TABLE 15

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

No. & Rate/100,000 Pop.

**PHILIPPINES**

1991

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AREA	DIPHTHERIA				DIPHTHERIA			
	CASES	RATE	DEATHS	RATE	CASES	RATE	DEATHS	RATE
<b>PHILIPPINES</b>	<b>2,028</b>	<b>3.2</b>	<b>65</b>	<b>0.1</b>	<b>1,029</b>	<b>1.6</b>	<b>62</b>	<b>0.097</b>
<b>NAT. CAP. REGION</b>	<b>122</b>	<b>1.5</b>	<b>17</b>	<b>0.2</b>	<b>212</b>	<b>2.6</b>	<b>19</b>	<b>0.2</b>
1ST DIST. MANILA	54	2.1	3	0.1	153	6.0	16	0.6
2ND DIST. MUN.	13	1.3	0	-	0	-	0	-
QUEZON CITY	28	1.6	0	-	48	2.7	1	0.1
3RD DIST. MUN.	0	-	0	-	0	-	0	-
CALOOCAN CITY	22	2.7	14	1.7	5	0.6	1	0.1
4TH DIST. MUN.	0	-	0	-	4	0.4	1	0.1
PASAY CITY	5	1.3	0	-	0	-	0	-
<b>C.A.R.</b>	<b>64</b>	<b>5.3</b>	<b>1</b>	<b>0.1</b>	<b>63</b>	<b>5.2</b>	<b>1</b>	<b>0.1</b>
ABRA	31	16.0	0	-	20	10.3	1	0.5
BENGUET	12	3.8	1	0.3	26	8.2	0	-
IFUGAO	5	3.2	0	-	11	7.0	0	-
KALINGA-APAYAO	5	2.3	0	-	5	2.3	0	-
MT. PROVINCE	11	9.1	0	-	0	-	0	-
BAGUIO CITY	0	-	0	-	1	0.5	0	-
<b>REGION 1</b>	<b>202</b>	<b>5.4</b>	<b>11</b>	<b>0.3</b>	<b>18</b>	<b>0.5</b>	<b>6</b>	<b>0.2</b>
ILOCOS NORTE	12	3.0	1	0.3	0	-	0	-
ILOCOS SUR	18	3.3	4	0.7	4	0.7	0	-
LA UNION	5	0.9	1	0.2	2	0.3	1	0.2
PANGASINAN	156	8.3	5	0.3	7	0.4	3	0.2
DAGUPAN CITY	0	-	0	-	4	3.1	2	1.5
LAOAG CITY	0	-	0	-	1	1.1	0	-
SAN CARLOS CITY	11	8.4	0	-	0	-	0	-
<b>REGION 2</b>	<b>385</b>	<b>15.8</b>	<b>5</b>	<b>0.2</b>	<b>21</b>	<b>0.9</b>	<b>3</b>	<b>0.1</b>
BATANES	47	292.6	0	-	0	-	0	-
CAGAYAN	273	31.7	3	0.3	16	1.9	1	0.1
ISABELA	0	-	0	-	0	-	0	-
NUEVA VIZCAYA	55	17.6	1	0.3	5	1.6	2	0.6
QUIRINO	10	8.4	1	0.8	0	-	0	-
<b>REGION 3</b>	<b>133</b>	<b>2.0</b>	<b>8</b>	<b>0.1</b>	<b>52</b>	<b>0.8</b>	<b>5</b>	<b>0.08</b>
BATAAN	0	-	0	-	2	0.5	0	-
BULACAN	12	0.8	1	0.1	10	0.6	0	-
NUEVA ECJA	49	4.6	4	0.4	3	0.3	1	0.1
PAMPANGA	17	1.2	1	0.1	21	1.5	2	0.1
TARLAC	14	1.5	1	0.1	9	1.0	1	0.1
ZAMBALES	17	4.3	1	0.3	2	0.5	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	DIPHTHERIA (1991)				DIPHTHERIA (1992)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	21	8.5	0	-	0	-	0	-
CABANATUAN CITY	0	-	0	-	2	1.0	1	0.5
OLONGAPO CITY	3	1.5	0	-	3	1.5	0	-
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	0	-	0	-	0	-	0	-
<b>REGION 4</b>	<b>328</b>	<b>3.7</b>	<b>5</b>	<b>0.1</b>	<b>146</b>	<b>1.7</b>	<b>7</b>	<b>0.1</b>
AURORA	17	11.6	1	0.7	0	-	0	-
BATANGAS	0	-	0	-	0	-	0	-
CAVITE	4	0.4	1	0.1	8	0.7	1	0.1
LAGUNA	9	0.7	0	-	7	0.5	0	-
MARINDUQUE	108	56.9	0	-	0	-	0	-
MINDORO OCC.	2	0.7	0	-	2	0.7	0	-
MINDORO OR.	70	12.2	0	-	0	-	0	-
PALAWAN	10	2.2	1	0.2	0	-	0	-
QUEZON	67	5.3	2	0.2	14	1.1	2	0.2
RIZAL	1	0.1	0	-	13	1.2	3	0.3
ROMBLON	11	4.6	0	-	0	-	0	-
BATANGAS CITY	0	-	0	-	100	51.2	0	-
CAVITE CITY	4	4.3	0	-	0	-	0	-
LIPA CITY	0	-	0	-	2	1.2	1	0.6
LUCENA CITY	0	-	0	-	0	-	0	-
PUERTO PRINCESA CITY	11	11.5	0	-	0	-	0	-
SAN PABLO CITY	14	8.2	0	-	0	-	0	-
TAGAYTAY CITY	0	0.0	0	-	0	-	0	-
TRECE MARTIRES CITY	0	0.0	0	-	0	-	0	-
<b>REGION 5</b>	<b>95</b>	<b>2.3</b>	<b>0</b>	<b>-</b>	<b>23</b>	<b>0.6</b>	<b>2</b>	<b>0.05</b>
ALBAY	0	-	0	-	0	-	0	-
CAMARINES NORTE	48	11.6	0	-	0	-	0	-
CAMARINES SUR	24	2.1	0	-	6	0.5	0	-
CATANDUANES	5	2.6	0	-	0	-	0	-
MASBATE	18	3.0	0	-	1	0.2	0	-
SORSOGON	0	-	0	-	0	-	0	-
IRIGA CITY	0	-	0	-	0	-	0	-
LEGASPI CITY	0	-	0	-	4	3.1	0	-
NAGA CITY	0	-	0	-	12	8.0	2	1.3
<b>REGION 6</b>	<b>140</b>	<b>2.5</b>	<b>10</b>	<b>0.2</b>	<b>73</b>	<b>1.3</b>	<b>6</b>	<b>0.1</b>
AKLAN	7	1.8	0	-	5	1.3	1	0.3
ANTIQUE	2	0.5	0	-	4	0.9	1	0.2
CAPIZ	3	0.6	1	0.2	1	0.2	0	-
ILOILO	22	1.4	9	0.6	30	2.0	1	0.1
NEGROS OCC.	8	0.6	0	-	14	1.0	1	0.1

TABLE 15

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

No. & Rate/100,000 Pop.

**PHILIPPINES**

1991

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AREA	REGION 7				REGION 8				REGION 9			
	CASES		DEATHS		CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	88	22.7	0	-	9	2.3	1	0.3				
BAGO CITY	0	-	0	-	0	-	0	-				
CADIZ CITY	0	-	0	-	8	6.6	0	-				
ILOILO CITY	0	-	0	-	0	-	0	-				
LA CARLOTA CITY	0	-	0	-	0	-	0	-				
ROXAS CITY	7	4.9	0	-	2	1.4	1	0.7				
SAN CARLOS CITY	0	0.0	0	-	0	-	0	-				
SILAY CITY	3	3.1	0	-	0	-	0	-				
<b>REGION 7</b>	<b>140</b>	<b>2.9</b>	<b>1</b>	<b>0.02</b>	<b>30</b>	<b>0.6</b>	<b>2</b>	<b>0.04</b>				
BOHOL	1	0.1	0	-	4	0.4	1	0.1				
CEBU	23	1.4	0	-	7	0.4	0	-				
NEGROS OR	45	5.9	0	-	3	0.4	0	-				
SIQUIJOR	0	-	0	-	0	-	0	-				
BAIS CITY	3	4.8	0	-	0	-	0	-				
CANLAON CITY	0	-	0	-	0	-	0	-				
CEBU CITY	16	2.6	0	-	0	-	0	-				
DANAO CITY	0	-	0	-	0	-	0	-				
DUMAGUETE CITY	42	50.1	1	1.2	4	4.8	0	-				
LAPU-LAPU CITY	0	-	0	-	7	4.5	0	-				
MANDAWE CITY	7	3.6	0	-	0	-	0	-				
TAGBILARAN CITY	3	5.1	0	-	5	8.5	1	1.7				
TOLEDO CITY	0	-	0	-	0	-	0	-				
<b>REGION 8</b>	<b>77</b>	<b>2.5</b>	<b>5</b>	<b>0.2</b>	<b>143</b>	<b>4.6</b>	<b>0</b>	<b>-</b>				
LEYTE DEL NORTE	35	2.8	2	0.2	1	0.1	0	-				
LEYTE DEL SUR	24	7.3	0	-	0	-	0	-				
EASTERN SAMAR	9	2.7	0	-	66	19.7	0	-				
NORTHERN SAMAR	2	0.5	2	0.5	23	5.9	0	-				
WESTERN SAMAR	0	-	0	-	22	5.1	0	-				
CALBAYOG CITY	0	-	0	-	2	1.7	0	-				
ORMOC CITY	0	-	0	-	29	21.3	0	-				
TACLOBAN CITY	7	4.8	1	0.7	0	-	0	-				
<b>REGION 9</b>	<b>145</b>	<b>4.4</b>	<b>2</b>	<b>0.1</b>	<b>16</b>	<b>0.5</b>	<b>4</b>	<b>0.1</b>				
BASILAN	0	-	0	-	0	-	0	-				
SULU	17	3.4	0	-	1	0.2	1	0.2				
TAWI-TAWI	0	-	0	-	6	2.6	0	-				
ZAMB. DEL NORTE	31	5.7	0	-	2	0.4	1	0.2				
ZAMB. DEL SUR	37	3.5	1	0.1	4	0.4	1	0.1				

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	DIPHTHERIA (030)				DIPHTHERIA (032)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	2	3.3	1	1.6	0	-	0	-
DIPOLOG CITY	24	28.7	0	-	0	-	0	-
PAGADIAN CITY	0	-	0	-	0	-	0	-
ZAMBOANGA CITY	34	7.5	0	-	3	0.7	1	0.2
<b>REGION 10</b>	<b>79</b>	<b>2.2</b>	<b>0</b>	<b>-</b>	<b>76</b>	<b>2.1</b>	<b>3</b>	<b>0.1</b>
AGUSAN DEL NORTE	0	-	0	-	1	0.4	0	-
AGUSAN DEL SUR	2	0.4	0	-	2	0.4	0	-
BUKIDNON	43	4.9	0	-	14	1.6	1	0.1
CAMIGUIN	0	-	0	-	0	-	0	-
MISAMIS OCC.	1	0.4	0	-	7	2.9	0	-
MISAMIS OR.	15	3.3	0	-	16	3.5	0	-
SURIGAO DEL NORTE	12	3.6	0	-	9	2.7	0	-
BUTUAN CITY	0	-	0	-	6	2.5	0	-
CAGAYAN DE ORO	0	-	0	-	4	1.1	2	0.6
GINGOOG CITY	4	4.8	0	-	0	-	0	-
OROQUIETA CITY	1	1.9	0	-	10	18.6	0	-
OZAMIS CITY	1	1.1	0	-	0	-	0	-
SURIGAO CITY	0	-	0	-	0	-	0	-
TANGUB CITY	0	-	0	-	7	16.1	0	-
<b>REGION 11</b>	<b>37</b>	<b>0.8</b>	<b>2</b>	<b>0.04</b>	<b>89</b>	<b>1.9</b>	<b>3</b>	<b>0.1</b>
COTABATO SOUTH	8	0.9	0	-	0	-	0	-
DAVAO ORIENTAL	10	2.5	1	0.2	2	0.5	1	0.2
DAVAO DEL NORTE	1	0.1	0	-	20	1.8	0	-
DAVAO DEL SUR	12	1.8	1	0.2	0	-	0	-
SURIGAO DEL SUR	6	1.3	0	-	39	8.4	0	-
DAVAO CITY	0	-	0	-	19	2.1	1	0.1
GEN. SANTOS CITY	0	-	0	-	9	3.3	1	0.4
<b>REGION 12</b>	<b>81</b>	<b>2.3</b>	<b>1</b>	<b>0.03</b>	<b>67</b>	<b>1.9</b>	<b>1</b>	<b>0.03</b>
NORTH COTABATO	0	-	0	-	2	0.5	0	-
LANAO DEL NORTE	7	1.2	1	0.2	4	0.7	1	0.2
LANAO DEL SUR	0	-	0	-	0	-	0	-
MAGUINDANAO	3	0.4	0	-	30	3.6	0	-
SULTAN KUDARAT	55	11.9	0	-	0	-	0	-
COTABATO CITY	0	-	0	-	8	5.8	0	-
ILIGAN CITY	14	5.9	0	-	20	8.5	0	-
MARAWI CITY	2	1.9	0	-	3	2.8	0	-



TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

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AREA	WHOOPING COUGH (1991)				DIPHTHERIA (1991)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>4,829</b>	<b>7.6</b>	<b>9</b>	<b>0.01</b>	<b>2,412</b>	<b>3.8</b>	<b>1,022</b>	<b>1.6</b>
<b>NAT. CAP. REGION</b>	<b>427</b>	<b>5.1</b>	<b>1</b>	<b>0.01</b>	<b>257</b>	<b>3.1</b>	<b>127</b>	<b>1.5</b>
1ST DIST. MANILA	236	9.1	1	0.04	162	6.2	94	3.6
2ND DIST. MUN.	22	2.2	0	-	22	2.2	5	0.5
QUEZON CITY	167	9.6	0	-	6	0.3	5	0.3
3RD DIST. MUN.	0	-	0	-	25	3.1	6	0.7
CALOOCAN CITY	0	-	0	-	12	1.5	3	0.4
4TH DIST. MUN.	0	-	0	-	20	2.1	11	1.2
PASAY CITY	2	0.5	0	-	10	2.6	3	0.8
<b>C.A.R.</b>	<b>85</b>	<b>7.1</b>	<b>0</b>	<b>-</b>	<b>40</b>	<b>3.3</b>	<b>13</b>	<b>1.1</b>
ABRA	26	13.4	0	-	2	1.0	1	0.5
BENGUET	1	0.3	0	-	14	4.4	5	1.6
IFUGAO	29	18.4	0	-	13	8.3	3	1.9
KALINGA-APAYAO	29	13.4	0	-	11	5.1	4	1.8
MT. PROVINCE	0	-	0	-	0	-	0	-
BAGUIO CITY	0	-	0	-	0	-	0	-
<b>REGION 1</b>	<b>97</b>	<b>2.6</b>	<b>2</b>	<b>0.1</b>	<b>171</b>	<b>4.6</b>	<b>79</b>	<b>2.1</b>
ILOCOS NORTE	0	-	0	-	12	3.0	8	2.0
ILOCOS SUR	71	13.0	1	0.2	39	7.2	10	1.8
LA UNION	1	0.2	0	-	27	4.7	8	1.4
PANGASINAN	13	0.7	0	-	48	2.6	27	1.4
DAGUPAN CITY	10	7.7	1	0.8	31	23.9	17	13.1
LAOAG CITY	2	2.3	0	-	6	6.8	3	3.4
SAN CARLOS CITY	0	-	0	-	8	6.1	6	4.6
<b>REGION 2</b>	<b>70</b>	<b>2.9</b>	<b>0</b>	<b>-</b>	<b>143</b>	<b>5.9</b>	<b>47</b>	<b>1.9</b>
BATANES	0	-	0	-	0	-	0	0.0
CAGAYAN	64	7.4	0	-	85	9.9	14	1.6
ISABELA	0	-	0	-	30	2.7	18	1.6
NUEVA VIZCAYA	0	-	0	-	6	1.9	3	1.0
QUIRINO	6	5.0	0	-	22	18.5	12	10.1
<b>REGION 3</b>	<b>883</b>	<b>13.5</b>	<b>0</b>	<b>-</b>	<b>131</b>	<b>2.0</b>	<b>46</b>	<b>0.7</b>
BATAAN	0	-	0	-	9	2.0	1	0.2
BULACAN	15	0.9	0	-	13	0.8	12	0.8
NUEVA ECUIA	0	-	0	-	16	1.5	5	0.5
PAMPANGA	2	0.1	0	-	22	1.6	9	0.7
TARLAC	9	1.0	0	-	39	4.3	9	1.0
ZAMBALES	0	-	0	-	4	1.0	1	0.3

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	WHOPPING COUGH (93)				DIPHTHERIA (97)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	840	341.6	0	-	3	1.2	0	-
CABANATUAN CITY	14	7.0	0	-	14	7.0	5	2.5
OLONGAPO CITY	2	1.0	0	-	6	3.0	2	1.0
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	1	1.0	0	-	5	4.9	2	2.0
<b>REGION 4</b>	<b>1324</b>	<b>15.1</b>	<b>2</b>	<b>0.02</b>	<b>241</b>	<b>2.8</b>	<b>102</b>	<b>1.2</b>
AURORA	0	-	0	-	12	8.2	5	3.4
BATANGAS	0	-	0	-	18	1.5	6	0.5
CAVITE	0	-	0	-	17	1.5	8	0.7
LAGUNA	0	-	0	-	37	2.9	7	0.5
MARINDUQUE	7	3.7	0	-	3	1.6	1	0.5
MINDORO OCC.	3	1.0	0	-	7	2.4	3	1.0
MINDORO OR.	6	1.0	0	-	20	3.5	10	1.7
PALAWAN	49	10.7	0	-	14	3.1	5	1.1
QUEZON	203	15.9	0	-	34	2.7	21	1.6
RIZAL	0	-	0	-	10	0.9	3	0.3
ROMBLON	4	1.7	2	0.84	5	2.1	2	0.8
BATANGAS CITY	1,049	537.4	0	-	8	4.1	3	1.5
CAVITE CITY	0	-	0	-	0	0.0	0	-
LIPA CITY	0	-	0	-	11	6.5	6	3.5
LUCENA CITY	0	-	0	-	26	16.3	12	7.5
PUERTO PRINCESA CITY	0	-	0	-	9	9.4	4	4.2
SAN PABLO CITY	3	1.8	0	-	7	4.1	5	2.9
TAGAYTAY CITY	0	-	0	-	3	11.8	1	3.9
TRECE MARTIRES CITY	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>764</b>	<b>18.9</b>	<b>0</b>	<b>-</b>	<b>186</b>	<b>4.6</b>	<b>86</b>	<b>2.1</b>
ALBAY	0	-	0	-	20	2.5	16	2.0
CAMARINES NORTE	0	-	0	-	31	7.5	9	2.2
CAMARINES SUR	456	40.3	0	-	53	4.7	33	2.9
CATANDUANES	0	-	0	-	14	7.3	3	1.6
MASBATE	308	50.6	0	-	15	2.5	6	1.0
SORSOGON	0	-	0	-	14	2.6	6	1.1
IRIGA CITY	0	-	0	-	12	13.4	2	2.2
LEGASPI CITY	0	-	0	-	14	11.0	6	4.7
NAGA CITY	0	-	0	-	13	8.7	5	3.3
<b>REGION 6</b>	<b>191</b>	<b>3.4</b>	<b>1</b>	<b>0.02</b>	<b>244</b>	<b>4.3</b>	<b>105</b>	<b>1.9</b>
AKLAN	10	2.5	0	-	22	5.6	4	1.0
ANTIQUE	116	27.4	1	0.24	16	3.8	6	1.4
CAPIZ	0	-	0	-	20	4.3	8	1.7
ILOILO	10	0.7	0	-	42	2.8	21	1.4
NEGROS OCC.	0	-	0	-	53	3.7	18	1.3

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	WHOPPING COUGH				TETANUS			
	(1991)		(1991)		(1991)		(1991)	
	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	0	-	0	-	31	8.0	24	6.2
BAGO CITY	0	-	0	-	0	-	0	-
CADIZ CITY	0	-	0	-	11	9.1	1	0.8
ILOILO CITY	5	1.5	0	-	18	5.5	9	2.7
LA CARLOTA CITY	42	70.5	0	-	1	1.7	0	-
ROXAS CITY	8	5.6	0	-	17	11.8	7	4.9
SAN CARLOS CITY	0	-	0	-	4	3.6	2	1.8
SILAY CITY	0	-	0	-	9	9.2	5	5.1
<b>REGION 7</b>	<b>133</b>	<b>2.8</b>	<b>1</b>	<b>0.02</b>	<b>158</b>	<b>3.3</b>	<b>85</b>	<b>1.8</b>
BOHOL	0	-	0	-	21	2.3	12	1.3
CEBU	52	3.3	0	-	30	1.9	28	1.8
NEGROS OR	56	7.3	1	0.1	19	2.5	3	0.4
SIQUJOR	0	-	0	-	1	1.3	0	-
BAIS CITY	12	19.2	0	-	8	12.8	4	6.4
CANLAON CITY	0	-	0	-	0	0.0	0	-
CEBU CITY	0	-	0	-	53	8.4	23	3.7
DANAO CITY	0	-	0	-	1	1.3	0	-
DUMAGUETE CITY	5	6.0	0	-	16	19.1	6	7.2
LAPU-LAPU CITY	0	-	0	-	2	1.3	2	1.3
MANDAWE CITY	8	4.2	0	-	0	-	2	1.0
TAGBILARAN CITY	0	-	0	-	5	8.5	3	5.1
TOLEDO CITY	0	-	0	-	2	1.6	2	1.6
<b>REGION 8</b>	<b>351</b>	<b>11.2</b>	<b>0</b>	<b>-</b>	<b>98</b>	<b>3.1</b>	<b>37</b>	<b>1.2</b>
LEYTE DEL NORTE	50	4.0	0	-	32	2.5	19	1.5
LEYTE DEL SUR	231	69.8	0	-	15	4.5	3	0.9
EASTERN SAMAR	37	11.1	0	-	1	0.3	1	0.3
NORTHERN SAMAR	3	0.8	0	-	25	6.5	3	0.8
WESTERN SAMAR	13	3.0	0	-	7	1.6	3	0.7
CALBAYOG CITY	11	9.3	0	-	8	6.7	2	1.7
ORMOC CITY	0	-	0	-	7	5.1	4	2.9
TACLOBAN CITY	6	4.1	0	-	3	2.1	2	1.4
<b>REGION 9</b>	<b>106</b>	<b>3.2</b>	<b>0</b>	<b>-</b>	<b>178</b>	<b>5.4</b>	<b>77</b>	<b>2.3</b>
BASILAN	0	-	0	-	3	1.2	1	0.4
SULU	2	0.4	0	-	30	6.0	18	3.6
TAWI-TAWI	0	-	0	-	7	3.1	0	-
ZAMB. DEL NORTE	35	6.4	0	-	11	2.0	8	1.5
ZAMB. DEL SUR	67	6.3	0	-	58	5.5	27	2.5

TABLE 15

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

No. & Rate/100,000 Pop.

**PHILIPPINES**

1991

AREA	MELIARIA				TYPHUS			
	(033)		(033)		(033)		(033)	
	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	0	-	0	-	0	-	0	-
DIPOLOG CITY	2	2.4	0	-	7	8.4	3	3.6
PAGADIAN CITY	0	-	0	-	20	18.0	12	10.8
ZAMBOANGA CITY	0	-	0	-	42	9.3	8	1.8
<b>REGION 10</b>	<b>196</b>	<b>5.4</b>	<b>1</b>	<b>0.03</b>	<b>269</b>	<b>7.4</b>	<b>65</b>	<b>1.8</b>
AGUSAN DEL NORTE	0	-	0	-	10	4.0	2	0.8
AGUSAN DEL SUR	39	8.5	0	-	13	2.8	5	1.1
BUKIDNON	48	5.4	0	-	119	13.5	12	1.4
CAMIGUIN	0	-	0	-	3	4.5	2	3.0
MISAMIS OCC.	10	4.1	0	-	7	2.9	2	0.8
MISAMIS OR.	10	2.2	0	-	9	2.0	3	0.7
SURIGAO DEL NORTE	9	2.7	1	0.3	1	0.3	1	0.3
BUTUAN CITY	9	3.7	0	-	30	12.4	11	4.6
CAGAYAN DE ORO	3	0.8	0	-	42	11.8	12	3.4
GINGOOG CITY	11	13.1	0	-	3	3.6	2	2.4
OROQUIETA CITY	34	63.2	0	-	6	11.1	3	5.6
OZAMIS CITY	0	-	0	-	11	11.6	1	1.1
SURIGAO CITY	23	22.3	0	-	8	7.8	6	5.8
TANGUB CITY	0	-	0	-	7	16.1	3	6.9
<b>REGION 11</b>	<b>54</b>	<b>1.2</b>	<b>1</b>	<b>0.02</b>	<b>183</b>	<b>3.9</b>	<b>107</b>	<b>2.3</b>
COTABATO SOUTH	11	1.3	1	0.1	20	2.3	19	2.2
DAVAO ORIENTAL	1	0.2	0	-	40	9.9	29	7.2
DAVAO DEL NORTE	3	0.3	0	-	9	0.8	6	0.5
DAVAO DEL SUR	0	-	0	-	14	2.1	9	1.4
SURIGAO DEL SUR	39	8.4	0	-	9	1.9	7	1.5
DAVAO CITY	0	-	0	-	81	9.1	31	3.5
GEN. SANTOS CITY	0	-	0	-	10	3.7	6	2.2
<b>REGION 12</b>	<b>148</b>	<b>4.3</b>	<b>0</b>	<b>-</b>	<b>113</b>	<b>3.3</b>	<b>46</b>	<b>1.3</b>
NORTH COTABATO	3	0.7	0	-	5	1.2	2	0.5
LANAO DEL NORTE	61	10.5	0	-	21	3.6	12	2.1
LANAO DEL SUR	0	-	0	-	8	1.2	0	-
MAGUINDANAO	9	1.1	0	-	6	0.7	3	0.4
SULTAN KUDARAT	0	-	0	-	12	2.6	9	2.0
COTABATO CITY	0	-	0	-	23	16.6	5	3.6
ILIGAN CITY	32	13.6	0	-	24	10.2	15	6.4
MARAWI CITY	43	40.0	0	-	14	13.0	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	ACUTE POLIOMYELITIS (1981-1989)				VARICELLA (1983)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>362</b>	<b>/0.6</b>	<b>14</b>	<b>/0.02</b>	<b>42,909</b>	<b>67.4</b>	<b>12</b>	<b>0.02</b>
<b>NAT. CAP. REGION</b>	<b>72</b>	<b>0.9</b>	<b>1</b>	<b>0.01</b>	<b>3,049</b>	<b>36.8</b>	<b>1</b>	<b>0.01</b>
1ST DIST. MANILA	62	2.4	0	-	824	31.7	1	0.04
2ND DIST. MUN.	4	0.4	1	0.1	296	29.9	0	-
QUEZON CITY	6	0.3	0	-	711	40.7	0	-
3RD DIST. MUN.	0	-	0	-	867	107.9	0	-
CALOOCAN CITY	0	-	0	-	207	25.4	0	-
4TH DIST. MUN.	0	-	0	-	0	-	0	-
PASAY CITY	0	-	0	-	144	37.9	0	-
<b>C.A.R.</b>	<b>22</b>	<b>/1.8</b>	<b>0</b>	<b>-</b>	<b>1,858</b>	<b>154.5</b>	<b>1</b>	<b>0.1</b>
ABRA	0	-	0	-	244	126.1	0	-
BENGUET	0	-	0	-	500	157.0	1	0.3
IFUGAO	22	14.0	0	-	210	133.3	0	-
KALINGA-APAYAO	0	-	0	-	233	107.5	0	-
MT. PROVINCE	0	-	0	-	564	465.0	0	-
BAGUIO CITY	0	-	0	-	107	54.8	0	-
<b>REGION 1</b>	<b>14</b>	<b>0.4</b>	<b>3</b>	<b>0.1</b>	<b>990</b>	<b>26.5</b>	<b>1</b>	<b>0.03</b>
ILOCOS NORTE	0	-	0	-	100	25.2	0	-
ILOCOS SUR	0	-	0	-	155	28.5	0	-
LA UNION	0	-	0	-	349	60.6	0	-
PANGASINAN	14	0.7	3	0.2	285	15.2	1	0.1
DAGUPAN CITY	0	-	0	-	39	30.1	0	-
LAOAG CITY	0	-	0	-	49	55.3	0	-
SAN CARLOS CITY	0	-	0	-	13	9.9	0	-
<b>REGION 2</b>	<b>5</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>1,567</b>	<b>64.3</b>	<b>0</b>	<b>-</b>
BATANES	0	-	0	-	23	143.2	0	-
CAGAYAN	5	0.6	0	-	348	40.4	0	-
ISABELA	0	-	0	-	1,100	97.6	0	-
NUEVA VIZCAYA	0	-	0	-	49	15.7	0	-
QUIRINO	0	-	0	-	47	39.5	0	-
<b>REGION 3</b>	<b>8</b>	<b>0.1</b>	<b>1</b>	<b>0.02</b>	<b>3,481</b>	<b>53.3</b>	<b>0</b>	<b>-</b>
BATAAN	1	0.2	0	-	378	85.1	0	-
BULACAN	1	0.1	0	-	1,001	63.1	0	-
NUEVA ECUIA	0	-	0	-	492	46.6	0	-
PAMPANGA	0	-	0	-	412	30.0	0	-
TARLAC	0	-	0	-	725	79.9	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	ACTUE POLIOMYELITIS				VARICELLA			
	(1991-1992)		(1991-1992)		(1991-1992)		(1991-1992)	
	CASES NUMBER	RATE	DEATHS NUMBER	RATE	CASES NUMBER	RATE	DEATHS NUMBER	RATE
ANGELES CITY	1	0.4	0	-	152	61.8	0	-
CABANATUAN CITY	0	-	0	0.0	63	31.7	0	-
OLONGAPO CITY	0	-	0	0.0	40	20.0	0	-
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	0	-	0	-	13	12.9	0	-
<b>REGION 4</b>	<b>14</b>	<b>0.2</b>	<b>2</b>	<b>0.02</b>	<b>3,731</b>	<b>42.6</b>	<b>3</b>	<b>0.03</b>
AURORA	0	-	0	-	118	80.4	0	-
BATANGAS	0	-	0	-	108	9.1	0	-
CAVITE	0	-	0	-	216	19.6	0	-
LAGUNA	0	-	0	-	522	40.3	0	-
MARINDUQUE	0	-	0	-	161	84.8	0	-
MINDORO OCC.	0	-	0	-	261	89.7	0	-
MINDORO OR.	0	-	0	-	96	16.8	0	-
PALAWAN	4	0.9	1	0.2	326	71.2	0	-
QUEZON	10	0.8	1	0.1	225	17.6	1	0.1
RIZAL	0	-	0	-	738	69.1	1	0.1
ROMBLON	0	-	0	-	218	91.4	0	-
BATANGAS CITY	0	-	0	-	40	20.5	0	-
CAVITE CITY	0	-	0	-	74	78.9	0	-
LIPA CITY	0	-	0	-	448	263.0	0	-
LUCENA CITY	0	-	0	-	49	30.7	0	-
PUERTO PRINCESA CITY	0	-	0	-	40	41.7	0	-
SAN PABLO CITY	0	-	0	-	81	47.7	1	0.6
TAGAYTAY CITY	0	-	0	-	10	39.4	0	-
TRECE MARTIRES CITY	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>23</b>	<b>0.6</b>	<b>2</b>	<b>0.05</b>	<b>4,081</b>	<b>100.7</b>	<b>1</b>	<b>0.02</b>
ALBAY	0	-	0	-	704	87.5	0	-
CAMARINES NORTE	0	-	0	-	253	60.9	0	-
CAMARINES SUR	3	0.3	1	0.1	1,724	152.4	1	0.1
CATANDUANES	0	-	0	-	38	19.7	0	-
MASBATE	7	1.2	0	-	609	100.1	0	-
SORSOGON	13	2.4	1	0.2	696	130.6	0	-
IRIGA CITY	0	-	0	-	5	5.6	0	-
LEGASPI CITY	0	-	0	-	39	30.7	0	-
NAGA CITY	0	-	0	-	13	8.7	0	-
<b>REGION 6</b>	<b>16</b>	<b>0.3</b>	<b>3</b>	<b>0.1</b>	<b>5,079</b>	<b>90.4</b>	<b>1</b>	<b>0.02</b>
AKLAN	3	0.8	1	0.3	485	122.7	0	-
ANTIQUE	3	0.7	1	0.2	593	139.8	0	-
CAPIZ	0	-	0	-	494	105.8	0	-
ILOILO	3	0.2	1	0.1	426	28.0	1	0.1
NEGROS OCC.	0	-	0	-	1,276	89.3	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	ACUTE POLYOMYELITIS (045-148)				VARICELLA (052)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	6	1.5	0	-	1,276	329.2	0	-
BAGO CITY	0	-	0	-	81	63.5	0	-
CADIZ CITY	0	-	0	-	58	48.0	0	-
ILOILO CITY	1	0.3	0	-	50	15.2	0	-
LA CARLOTA CITY	0	-	0	-	113	189.8	0	-
ROXAS CITY	0	-	0	-	38	26.4	0	-
SAN CARLOS CITY	0	-	0	-	179	160.0	0	-
SILAY CITY	0	-	0	-	10	10.2	0	-
<b>REGION 7</b>	<b>15</b>	<b>0.3</b>	<b>0</b>	<b>-</b>	<b>1,467</b>	<b>30.6</b>	<b>2</b>	<b>0.04</b>
BOHOL	2	0.2	0	-	126	13.5	0	-
CEBU	5	0.3	0	-	43	2.7	2	0.1
NEGROS OR	3	0.4	0	-	671	87.5	0	-
SIQUIJOR	0	-	0	-	19	25.0	0	-
BAIS CITY	5	8.0	0	-	15	24.0	0	-
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	0	-	0	-	207	33.0	0	-
DANAO CITY	0	-	0	-	32	41.0	0	-
DUMAGUETE CITY	0	-	0	-	30	35.8	0	-
LAPU-LAPU CITY	0	-	0	-	0	-	0	-
MANDAWE CITY	0	-	0	-	86	44.8	0	-
TAGBILARAN CITY	0	-	0	-	50	84.7	0	-
TOLEDO CITY	0	-	0	-	188	148.7	0	-
<b>REGION 8</b>	<b>2</b>	<b>0.1</b>	<b>1</b>	<b>0.0</b>	<b>2,460</b>	<b>78.3</b>	<b>1</b>	<b>0.03</b>
LEYTE DEL NORTE	0	-	0	-	724	57.4	0	-
LEYTE DEL SUR	0	-	0	-	130	39.3	1	0.3
EASTERN SAMAR	2	0.6	1	0.3	480	143.6	0	-
NORTHERN SAMAR	0	-	0	-	642	165.8	0	-
WESTERN SAMAR	0	-	0	-	315	73.5	0	-
CALBAYOG CITY	0	-	0	-	147	123.9	0	-
ORMOC CITY	0	-	0	-	5	3.7	0	-
TACLOBAN CITY	0	-	0	-	17	11.7	0	-
<b>REGION 9</b>	<b>12</b>	<b>0.4</b>	<b>0</b>	<b>-</b>	<b>2,733</b>	<b>83.0</b>	<b>1</b>	<b>0.03</b>
BASILAN	0	-	0	-	59	24.1	0	-
SULU	0	-	0	-	32	6.4	0	-
TAWI-TAWI	0	-	0	-	38	16.6	0	-
ZAMB. DEL NORTE	0	-	0	-	721	132.2	0	-
ZAMB. DEL SUR	0	-	0	-	1,536	144.5	1	0.1

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	AGUSAN DEL NORTE				VARIGLIA			
	1991 (26)		1991 (27)		1991 (28)		1991 (29)	
	CASES NUMBER	RATE	DEATHS NUMBER	RATE	CASES NUMBER	RATE	DEATHS NUMBER	RATE
DAPTAN CITY	0	-	0	-	79	130.0	0	-
DIPOLOG CITY	0	-	0	-	81	96.8	0	-
PAGADIAN CITY	12	10.8	0	-	173	155.8	0	-
ZAMBOANGA CITY	0	-	0	-	14	3.1	0	-
<b>REGION 10</b>	<b>151</b>	<b>4.1</b>	<b>0</b>	<b>-</b>	<b>3,978</b>	<b>108.8</b>	<b>0</b>	<b>-</b>
AGUSAN DEL NORTE	0	-	0	-	218	87.9	0	-
AGUSAN DEL SUR	10	2.2	0	-	759	166.0	0	-
BUKIDNON	25	2.8	0	-	1,014	115.1	0	-
CAMIGUIN	0	-	0	-	73	108.5	0	-
MISAMIS OCC.	6	2.5	0	-	203	83.4	0	-
MISAMIS OR.	0	-	0	-	665	146.6	0	-
SURIGAO DEL NORTE	79	23.9	0	-	321	97.3	0	-
BUTUAN CITY	2	0.8	0	-	312	129.4	0	-
CAGAYAN DE ORO	2	0.6	0	-	62	17.4	0	-
GINGOOG CITY	0	-	0	-	35	41.7	0	-
OROQUIETA CITY	2	3.7	0	-	77	143.0	0	-
OZAMIS CITY	0	-	0	-	72	75.8	0	-
SURIGAO CITY	24	23.3	0	-	151	146.4	0	-
TANGUB CITY	1	2.3	0	-	16	36.8	0	-
<b>REGION 11</b>	<b>4</b>	<b>0.1</b>	<b>0</b>	<b>-</b>	<b>3,531</b>	<b>75.9</b>	<b>0</b>	<b>-</b>
COTABATO SOUTH	4	0.5	0	-	926	108.7	0	-
DAVAO ORIENTAL	0	-	0	-	364	89.8	0	-
DAVAO DEL NORTE	0	-	0	-	396	35.5	0	-
DAVAO DEL SUR	0	-	0	-	684	104.1	0	-
SURIGAO DEL SUR	0	-	0	-	958	206.7	0	-
DAVAO CITY	0	-	0	-	10	1.1	0	-
GEN. SANTOS CITY	0	-	0	-	193	71.2	0	-
<b>REGION 12</b>	<b>4</b>	<b>0.1</b>	<b>1</b>	<b>0.03</b>	<b>4,904</b>	<b>142.1</b>	<b>0</b>	<b>-</b>
NORTH COTABATO	0	-	0	-	632	151.9	0	-
LANAO DEL NORTE	4	0.7	1	0.2	410	70.9	0	-
LANAO DEL SUR	0	-	0	-	609	88.2	0	-
MAGUINDANAO	0	-	0	-	1,761	213.8	0	-
SULTAN KUDARAT	0	-	0	-	898	194.6	0	-
COTABATO CITY	0	-	0	-	98	70.9	0	-
ILIGAN CITY	0	-	0	-	496	210.1	0	-
MARAWI CITY	0	-	0	-	0	-	0	-



TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
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AREA	MEASLES (1991)				H. TYPH (1991-1992)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>35,582</b>	<b>55.9</b>	<b>2,228</b>	<b>3.5</b>	<b>11,317</b>	<b>17.8</b>	<b>401</b>	<b>0.6</b>
<b>NAT. CAP. REGION</b>	<b>4,382</b>	<b>52.8</b>	<b>534</b>	<b>6.4</b>	<b>1,316</b>	<b>15.9</b>	<b>118</b>	<b>1.4</b>
1ST DIST. MANILA	1,787	68.6	125	4.8	618	23.7	41	1.6
2ND DIST. MUN.	429	43.3	56	5.7	39	3.9	6	0.6
QUEZON CITY	833	47.7	116	6.6	286	16.4	39	2.2
3RD DIST. MUN.	507	63.1	52	6.5	30	3.7	4	0.5
CALOOCAN CITY	355	43.5	71	8.7	12	1.5	4	0.5
4TH DIST. MUN.	300	31.4	103	10.8	43	4.5	17	1.8
PASAY CITY	171	45.0	11	2.9	288	75.7	7	1.8
<b>C.A.R.</b>	<b>798</b>	<b>66.3</b>	<b>6</b>	<b>0.5</b>	<b>27</b>	<b>2.2</b>	<b>1</b>	<b>0.1</b>
ABRA	299	154.5	2	1.0	4	2.1	0	-
BENGUET	80	25.1	0	-	0	-	0	-
IFUGAO	96	60.9	1	0.6	5	3.2	0	-
KALINGA-APAYAO	96	44.3	3	1.4	18	8.3	1	0.5
MT. PROVINCE	218	179.7	0	-	0	-	0	-
BAGUIO CITY	9	4.6	0	-	0	-	0	-
<b>REGION 1</b>	<b>1,045</b>	<b>27.9</b>	<b>100</b>	<b>2.7</b>	<b>286</b>	<b>7.6</b>	<b>23</b>	<b>0.6</b>
ILOCOS NORTE	96	24.2	3	0.8	38	9.6	1	0.3
ILOCOS SUR	151	27.7	2	0.4	39	7.2	2	0.4
LA UNION	258	44.8	8	1.4	34	5.9	3	0.5
PANGASINAN	379	20.2	60	3.2	41	2.2	6	0.3
DAGUPAN CITY	121	93.3	22	17.0	82	63.3	10	7.7
LAOAG CITY	25	28.2	1	1.1	3	3.4	1	1.1
SAN CARLOS CITY	15	11.4	4	3.0	49	37.3	0	-
<b>REGION 2</b>	<b>1,483</b>	<b>60.9</b>	<b>51</b>	<b>2.1</b>	<b>132</b>	<b>5.4</b>	<b>16</b>	<b>0.7</b>
BATANES	9	56.0	0	-	95	591.4	0	-
CAGAYAN	691	80.1	18	2.1	17	2.0	11	1.3
ISABELA	575	51.0	25	2.2	16	1.4	5	0.4
NUEVA VIZCAYA	91	29.1	4	1.3	0	-	0	-
QUIRINO	117	98.4	4	3.4	4	3.4	0	-
<b>REGION 3</b>	<b>2,925</b>	<b>44.8</b>	<b>267</b>	<b>4.1</b>	<b>632</b>	<b>9.7</b>	<b>31</b>	<b>0.5</b>
BATAAN	234	52.7	12	2.7	74	16.7	2	0.5
BULACAN	992	62.5	72	4.5	171	10.8	7	0.4
NUEVA ECUIJA	146	13.8	6	0.6	2	0.2	1	0.1
PAMPANGA	274	19.9	75	5.5	17	1.2	3	0.2
TARLAC	595	65.6	44	4.8	34	3.7	3	0.3
ZAMBALES	179	43.0	11	2.8	0	2.3	5	1.3

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	HEALTH REGION I (001-002)				HEALTH REGION II (003-004)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	322	131.0	8	3.3	172	70.0	2	0.8
CABANATUAN CITY	55	27.7	11	5.5	5	2.5	2	1.0
OLONGAPO CITY	120	59.9	25	12.5	138	68.9	4	2.0
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	15	14.8	3	3.0	10	9.9	2	2.0
<b>REGION 4</b>	<b>2,488</b>	<b>28.4</b>	<b>288</b>	<b>3.3</b>	<b>196</b>	<b>2.2</b>	<b>43</b>	<b>0.5</b>
AURORA	11	7.5	2	1.4	0	-	0	-
BATANGAS	144	12.1	12	1.0	13	1.1	3	0.3
CAVITE	177	16.1	46	4.2	32	2.9	7	0.6
LAGUNA	148	11.4	29	2.2	46	3.6	2	0.2
MARINDUQUE	149	78.5	3	1.6	0	-	0	-
MINDORO OCC.	77	26.4	11	3.8	17	5.8	0	-
MINDORO OR.	106	18.5	16	2.8	6	1.0	1	0.2
PALAWAN	182	39.7	5	1.1	0	-	0	-
QUEZON	247	19.4	53	4.2	16	1.3	4	0.3
RIZAL	383	35.9	48	4.5	37	3.5	15	1.4
ROMBLON	101	42.3	4	1.7	0	-	0	-
BATANGAS CITY	291	149.1	4	2.0	10	5.1	5	2.6
CAVITE CITY	16	17.1	0	-	0	-	0	-
LIPA CITY	289	169.6	3	1.8	0	-	0	-
LUCENA CITY	77	48.2	34	21.3	11	6.9	4	2.5
PUERTO PRINCESA CITY	15	15.6	1	1.0	0	0.0	0	-
SAN PABLO CITY	46	27.1	2	1.2	3	1.8	0	-
TAGAYTAY CITY	29	114.2	15	59.1	5	19.7	2	7.9
TRECE MARTIRES CITY	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>5,134</b>	<b>126.7</b>	<b>213</b>	<b>5.3</b>	<b>118</b>	<b>2.9</b>	<b>10</b>	<b>0.2</b>
ALBAY	280	34.8	28	3.5	12	1.5	1	0.1
CAMARINES NORTE	280	67.4	36	8.7	6	1.4	0	-
CAMARINES SUR	2,392	211.5	51	4.5	32	2.8	4	0.4
CATANDUANES	138	71.5	21	10.9	3	1.6	1	0.5
MASBATE	1,470	241.6	30	4.9	23	3.8	1	0.2
SORSOGON	469	88.0	22	4.1	0	-	0	-
IRIGA CITY	9	10.1	1	1.1	4	4.5	1	1.1
LEGASPI CITY	21	16.5	6	4.7	2	1.6	2	1.6
NAGA CITY	75	50.0	18	12.0	36	24.0	0	-
<b>REGION 6</b>	<b>2,229</b>	<b>39.7</b>	<b>119</b>	<b>2.1</b>	<b>1,312</b>	<b>23.4</b>	<b>34</b>	<b>0.6</b>
AKLAN	257	65.0	8	2.0	51	12.9	2	0.5
ANTIQUE	200	47.2	9	2.1	11	2.6	0	-
CAPIZ	235	50.3	2	0.4	106	22.7	0	-
ILOILO	128	8.4	14	0.9	157	10.3	5	0.3
NEGROS OCC.	849	59.4	18	1.3	15	1.0	7	0.5

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	MEASLES (005)				D. FEVER (061+063)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	150	38.7	42	10.8	629	162.3	8	2.1
BAGO CITY	94	73.7	5	3.9	7	5.5	0	-
CADIZ CITY	96	79.5	4	3.3	3	2.5	0	-
ILOILO CITY	126	38.3	6	1.8	86	26.1	8	2.4
LA CARLOTA CITY	18	30.2	0	-	209	351.0	1	1.7
ROXAS CITY	39	27.1	4	2.8	33	22.9	2	1.4
SAN CARLOS CITY	10	8.9	1	0.9	3	2.7	0	-
SILAY CITY	27	27.6	6	6.1	2	2.0	1	1.0
<b>REGION 7</b>	<b>2,328</b>	<b>48.5</b>	<b>83</b>	<b>1.7</b>	<b>1,355</b>	<b>28.2</b>	<b>27</b>	<b>0.6</b>
BOHOL	159	17.0	12	1.3	34	3.6	3	0.3
CEBU	820	51.3	24	1.5	54	3.4	4	0.3
NEGROS OR	571	74.5	1	0.1	32	4.2	2	0.3
SIQUIJOR	15	19.7	0	-	7	9.2	0	-
BAIS CITY	34	54.4	0	-	4	6.4	1	1.6
CANLAON CITY	0	0.0	0	-	0	-	0	-
CEBU CITY	277	44.1	29	4.6	611	97.4	11	1.8
DANAO CITY	5	6.4	1	1.3	6	7.7	0	-
DUMAGUETE CITY	45	53.7	4	4.8	37	44.1	2	2.4
LAPU-LAPU CITY	104	66.2	1	0.6	407	259.0	0	-
MANDAWE CITY	14	7.3	4	2.1	10	5.2	1	0.5
TAGBILARAN CITY	60	101.7	0	-	19	32.2	1	1.7
TOLEDO CITY	224	177.2	7	5.5	134	106.0	2	1.6
<b>REGION 8</b>	<b>3,140</b>	<b>99.9</b>	<b>200</b>	<b>6.4</b>	<b>2,255</b>	<b>71.8</b>	<b>14</b>	<b>0.4</b>
LEYTE DEL NORTE	1,231	97.6	80	6.3	47	3.7	2	0.2
LEYTE DEL SUR	321	97.0	4	1.2	2,040	616.6	6	1.8
EASTERN SAMAR	341	102.0	1	0.3	49	14.7	3	0.9
NORTHERN SAMAR	267	69.0	31	8.0	17	4.4	3	0.8
WESTERN SAMAR	686	160.1	27	6.3	65	15.2	0	-
CALBAYOG CITY	200	168.6	25	21.1	0	-	0	-
ORMOC CITY	17	12.5	6	4.4	8	5.9	0	-
TACLOBAN CITY	77	52.9	26	17.8	29	19.9	0	-
<b>REGION 9</b>	<b>2,025</b>	<b>61.5</b>	<b>81</b>	<b>2.5</b>	<b>197</b>	<b>6.0</b>	<b>10</b>	<b>0.3</b>
BASILAN	169	69.0	1	0.4	13	5.3	2	0.8
SULU	39	7.8	1	0.2	0	-	0	-
TAWI-TAWI	18	7.9	0	-	1	0.4	0	-
ZAMB. DEL NORTE	229	42.0	15	2.7	1	0.2	0	-
ZAMB. DEL SUR	1,342	126.3	32	3.0	14	1.3	5	0.5

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	REGION 10				REGION 11			
	CITIES		CITIES		CITIES		CITIES	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	2	3.3	1	1.6	0	-	0	-
DIPOLOG CITY	6	7.2	3	3.6	23	27.5	0	-
PAGADIAN CITY	74	66.7	17	15.3	8	7.2	2	1.8
ZAMBOANGA CITY	146	32.3	11	2.4	137	30.3	1	0.2
<b>REGION 10</b>	<b>2,643</b>	<b>72.3</b>	<b>127</b>	<b>3.5</b>	<b>923</b>	<b>25.2</b>	<b>31</b>	<b>0.8</b>
AGUSAN DEL NORTE	81	32.7	11	4.4	5	2.0	1	0.4
AGUSAN DEL SUR	430	94.0	14	3.1	57	12.5	0	-
BUKIDNON	1,029	116.8	26	3.0	404	45.9	7	0.8
CAMIGUIN	8	11.9	0	-	12	17.8	0	-
MISAMIS OCC.	140	57.5	2	0.8	31	12.7	1	0.4
MISAMIS OR.	185	40.8	16	3.5	23	5.1	1	0.2
SURIGAO DEL NORTE	210	63.6	14	4.2	63	19.1	3	0.9
BUTUAN CITY	229	95.0	17	7.1	86	35.7	4	1.7
CAGAYAN DE ORO	167	46.9	13	3.7	215	60.4	3	0.8
GINGOOG CITY	40	47.7	0	-	2	2.4	1	1.2
OROQUIETA CITY	55	102.2	1	1.9	9	16.7	4	7.4
OZAMIS CITY	35	36.9	6	6.3	9	9.5	3	3.2
SURIGAO CITY	21	20.4	2	1.9	7	6.8	3	2.9
TANGUB CITY	13	29.9	5	11.5	0	-	0	-
<b>REGION 11</b>	<b>1,862</b>	<b>40.0</b>	<b>103</b>	<b>2.2</b>	<b>2,135</b>	<b>45.9</b>	<b>28</b>	<b>0.6</b>
COTABATO SOUTH	285	33.5	23	2.7	185	21.7	2	0.2
DAVAO ORIENTAL	163	40.2	24	5.9	7	1.7	3	0.7
DAVAO DEL NORTE	127	11.4	3	0.3	12	1.1	3	0.3
DAVAO DEL SUR	407	61.9	2	0.3	36	5.5	5	0.8
SURIGAO DEL SUR	424	91.5	13	2.8	34	7.3	9	1.9
DAVAO CITY	409	45.9	24	2.7	1,797	201.6	5	0.6
GEN. SANTOS CITY	47	17.3	14	5.2	64	23.6	1	0.4
<b>REGION 12</b>	<b>3,100</b>	<b>89.8</b>	<b>56</b>	<b>1.6</b>	<b>433</b>	<b>12.5</b>	<b>15</b>	<b>0.4</b>
NORTH COTABATO	508	122.1	0	-	23	5.5	2	0.5
LANAO DEL NORTE	299	51.7	16	2.8	6	1.0	2	0.3
LANAO DEL SUR	410	59.4	1	0.1	1	0.1	0	-
MAGUINDANAO	748	90.8	2	0.2	109	13.2	0	-
SULTAN KUDARAT	346	75.0	8	1.7	5	1.1	2	0.4
COTABATO CITY	282	204.0	3	2.2	248	179.4	6	4.3
ILIGAN CITY	435	184.3	22	9.3	36	15.3	3	1.3
MARAWI CITY	72	67.0	4	3.7	5	4.7	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

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AREA	INFECTION/HEPATITIS				MALARIA			
	(1991)		(1991)		(1991)		(1991)	
	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS	CASES	DEATHS
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>12,972</b>	<b>20.4</b>	<b>772</b>	<b>1.2</b>	<b>48,761</b>	<b>76.6</b>	<b>924</b>	<b>1.5</b>
<b>NAT. CAP. REGION</b>	<b>1,821</b>	<b>22.0</b>	<b>152</b>	<b>1.8</b>	<b>200</b>	<b>2.4</b>	<b>34</b>	<b>0.4</b>
1ST DIST. MANILA	508	19.5	59	2.3	54	2.1	18	0.7
2ND DIST. MUN.	124	12.5	17	1.7	5	0.5	2	0.2
QUEZON CITY	439	25.1	25	1.4	96	5.5	8	0.5
3RD DIST. MUN.	247	30.7	12	1.5	2	0.2	1	0.1
CALOOCAN CITY	183	22.4	17	2.1	35	4.3	3	0.4
4TH DIST. MUN.	242	25.3	18	1.9	4	0.4	2	0.2
PASAY CITY	78	20.5	4	1.1	4	1.1	0	-
<b>C.A.R.</b>	<b>486</b>	<b>40.4</b>	<b>11</b>	<b>0.9</b>	<b>5,617</b>	<b>467.0</b>	<b>32</b>	<b>2.7</b>
ABRA	21	10.9	3	1.6	33	17.1	2	1.0
BENGUET	100	31.4	6	1.9	4	1.3	2	0.6
IFUGAO	144	91.4	2	1.3	2,003	1271.4	5	3.2
KALINGA-APAYAO	162	74.8	0	-	2,379	1098.1	23	10.6
MT. PROVINCE	10	8.2	0	-	1,198	987.8	0	-
BAGUIO CITY	49	25.1	0	0.0	0	0.0	0	0.0
<b>REGION 1</b>	<b>851</b>	<b>22.7</b>	<b>54</b>	<b>1.4</b>	<b>161</b>	<b>4.3</b>	<b>10</b>	<b>0.3</b>
ILOCOS NORTE	101	25.5	6	1.5	82	20.7	4	1.0
ILOCOS SUR	137	25.2	9	1.7	14	2.6	1	0.2
LA UNION	162	28.1	6	1.0	6	1.0	0	-
PANGASINAN	397	21.2	21	1.1	46	2.5	2	0.1
DAGUPAN CITY	31	23.9	4	3.1	12	9.3	3	2.3
LAOAG CITY	9	10.2	3	3.4	1	1.1	0	-
SAN CARLOS CITY	14	10.7	5	3.8	0	-	0	-
<b>REGION 2</b>	<b>436</b>	<b>17.9</b>	<b>36</b>	<b>1.5</b>	<b>8,567</b>	<b>351.6</b>	<b>178</b>	<b>7.3</b>
BATANES	0	-	0	-	30	186.8	0	-
CAGAYAN	279	32.4	10	1.2	5,997	695.5	74	8.6
ISABELA	66	5.9	12	1.1	853	75.7	85	7.5
NUEVA VIZCAYA	29	9.3	11	3.5	55	17.6	14	4.5
QUIRINO	62	52.1	3	2.5	1,632	1372.3	5	4.2
<b>REGION 3</b>	<b>696</b>	<b>10.7</b>	<b>59</b>	<b>0.9</b>	<b>514</b>	<b>7.9</b>	<b>30</b>	<b>0.5</b>
BATAAN	81	18.2	3	0.7	66	14.9	2	0.5
BULACAN	176	11.1	21	1.3	103	6.5	6	0.4
NUEVA ECIJA	74	7.0	11	1.0	46	4.4	7	0.7
PAMPANGA	27	2.0	4	0.3	0	-	0	-
TARLAC	123	13.6	11	1.2	5	0.6	1	0.1
ZAMBALES	45	11.5	2	0.5	230	58.8	5	1.3

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	INFECTION BERA DISEASES				MALARIA			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	126	51.2	1	0.4	1	0.4	0	-
CABANATUAN CITY	9	4.5	1	0.5	3	1.5	1	0.5
OLONGAPO CITY	13	6.5	5	2.5	51	25.5	6	3.0
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	22	21.8	0	-	9	8.9	2	2.0
<b>REGION 4</b>	<b>1,086</b>	<b>12.4</b>	<b>100</b>	<b>1.1</b>	<b>15,446</b>	<b>176.5</b>	<b>199</b>	<b>2.3</b>
AURORA	4	2.7	3	2.0	282	192.1	10	6.8
BATANGAS	325	27.3	6	0.5	89	7.5	3	0.3
CAVITE	20	1.8	8	0.7	12	1.1	2	0.2
LAGUNA	89	6.9	10	0.8	190	14.7	5	0.4
MARINDUQUE	59	31.1	7	3.7	48	25.3	0	-
MINDORO OCC.	24	8.2	2	0.7	84	28.9	22	7.6
MINDORO OR.	18	3.1	8	1.4	312	54.5	6	1.0
PALAWAN	54	11.8	2	0.4	7,198	1571.5	85	18.6
QUEZON	155	12.2	22	1.7	3,930	308.2	29	2.3
RIZAL	33	3.1	7	0.7	36	3.4	8	0.7
ROMBLON	161	67.5	10	4.2	89	37.3	1	0.4
BATANGAS CITY	3	1.5	1	0.5	3	1.5	1	0.5
CAVITE CITY	13	13.9	2	2.1	0	-	0	-
LIPA CITY	17	10.0	4	2.3	0	-	0	-
LUCENA CITY	12	7.5	3	1.9	11	6.9	3	1.9
PUERTO PRINCESA CITY	74	77.2	3	3.1	3,158	3293.8	23	-
SAN PABLO CITY	25	14.7	2	1.2	0	-	0	-
TAGAYTAY CITY	0	-	0	-	2	7.9	1	-
TRECE MARTIRES CITY	0	-	0	-	2	11.0	0	-
<b>REGION 5</b>	<b>1,083</b>	<b>26.7</b>	<b>47</b>	<b>1.2</b>	<b>1,917</b>	<b>47.3</b>	<b>25</b>	<b>0.6</b>
ALBAY	255	31.7	5	0.6	4	0.5	0	-
CAMARINES NORTE	32	7.7	16	3.9	1,008	242.7	16	3.9
CAMARINES SUR	277	24.5	11	1.0	848	75.0	2	0.2
CATANDUANES	11	5.7	3	1.6	0	-	0	-
MASBATE	455	74.8	5	0.8	10	1.6	0	-
SORSOGON	41	7.7	5	0.9	17	3.2	6	1.1
IRIGA CITY	0	-	0	-	0	-	0	-
LEGASPI CITY	3	2.4	0	-	0	-	0	-
NAGA CITY	9	6.0	2	1.3	30	20.0	1	0.7
<b>REGION 6</b>	<b>1,677</b>	<b>29.9</b>	<b>83</b>	<b>1.5</b>	<b>25</b>	<b>0.4</b>	<b>2</b>	<b>0.04</b>
AKLAN	379	95.9	7	1.8	0	-	0	-
ANTIQUE	174	41.0	7	1.7	9	2.1	1	0.2
CAPIZ	181	38.8	3	0.6	0	-	0	-
ILOILO	349	22.9	21	1.4	1	0.1	0	-
NEGROS OCC.	201	14.1	18	1.3	15	1.0	1	0.1

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	DIPHTHERIA				MALARIA			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	91	23.5	7	1.8	0	-	0	-
BAGO CITY	3	2.4	2	1.6	0	-	0	-
CADIZ CITY	25	20.7	0	-	0	-	0	-
ILOILO CITY	186	56.5	7	2.1	0	-	0	-
LA CARLOTA CITY	10	16.8	0	-	0	-	0	-
ROXAS CITY	56	38.9	4	2.8	0	-	0	-
SAN CARLOS CITY	9	8.0	5	4.5	0	-	0	-
SILAY CITY	13	13.3	2	2.0	0	-	0	-
<b>REGION 7</b>	<b>651</b>	<b>13.6</b>	<b>41</b>	<b>0.9</b>	<b>136</b>	<b>2.8</b>	<b>8</b>	<b>0.2</b>
BOHOL	65	7.0	7	0.8	4	0.4	1	0.1
CEBU	293	18.3	4	0.3	11	0.7	1	0.1
NEGROS OR	30	3.9	8	1.0	102	13.3	0	-
SIGUIJOR	41	54.0	4	5.3	0	-	0	-
BAIS CITY	21	33.6	0	-	0	-	0	-
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	122	19.4	11	1.8	10	1.6	5	0.8
DANAO CITY	8	10.2	1	1.3	0	-	0	-
DUMAGUETE CITY	30	35.8	3	3.6	4	4.8	1	1.2
LAPU-LAPU CITY	0	-	0	-	0	-	0	-
MANDAWE CITY	6	3.1	2	1.0	0	-	0	-
TAGBILARAN CITY	27	45.7	0	-	5	8.5	0	-
TOLEDO CITY	8	6.3	1	0.8	0	-	0	-
<b>REGION 8</b>	<b>608</b>	<b>19.3</b>	<b>25</b>	<b>0.8</b>	<b>27</b>	<b>0.9</b>	<b>1</b>	<b>0.03</b>
LEYTE DEL NORTE	371	29.4	18	1.4	2	0.2	0	-
LEYTE DEL SUR	90	27.2	0	-	5	1.5	0	-
EASTERN SAMAR	2	0.6	1	0.3	12	3.6	0	-
NORTHERN SAMAR	50	12.9	5	1.3	1	0.3	0	-
WESTERN SAMAR	9	2.1	0	-	6	1.4	0	-
CALBAYOG CITY	37	31.2	0	-	0	-	0	-
ORMOC CITY	15	11.0	1	0.7	0	-	0	-
TACLOBAN CITY	34	23.3	0	-	1	0.7	1	0.7
<b>REGION 9</b>	<b>721</b>	<b>21.9</b>	<b>41</b>	<b>1.2</b>	<b>4,889</b>	<b>148.6</b>	<b>87</b>	<b>2.6</b>
BASILAN	0	-	0	-	71	29.0	10	4.1
SULU	14	2.8	6	1.2	1,157	230.2	22	4.4
TAWI-TAWI	2	0.9	0	-	29	12.7	5	2.2
ZAMB. DEL NORTE	67	12.3	6	1.1	119	21.8	22	4.0
ZAMB. DEL SUR	489	46.0	14	1.3	2,361	222.2	16	1.5

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	INFECTIONIOUS DISEASES (1991)				MALARIA (1991)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	20	32.9	0	-	84	138.2	3	4.9
DIPOLOG CITY	13	15.5	2	2.4	9	10.8	0	-
PAGADIAN CITY	42	37.8	3	2.7	7	6.3	2	1.8
ZAMBOANGA CITY	74	16.4	10	2.2	1,052	233.0	7	1.6
<b>REGION 10</b>	<b>1,527</b>	<b>41.8</b>	<b>47</b>	<b>1.3</b>	<b>2,613</b>	<b>71.5</b>	<b>129</b>	<b>3.5</b>
AGUSAN DEL NORTE	40	16.1	2	0.8	147	59.3	17	6.9
AGUSAN DEL SUR	192	42.0	4	0.9	826	180.6	26	5.7
BUKIDNON	309	35.1	7	0.8	578	65.6	11	1.2
CAMIGUIN	66	98.1	0	-	9	13.4	1	1.5
MISAMIS OCC.	72	29.6	3	1.2	16	6.6	3	1.2
MISAMIS OR.	165	36.4	4	0.9	44	9.7	6	1.3
SURIGAO DEL NORTE	230	69.7	1	0.3	77	23.3	2	0.6
BUTUAN CITY	154	63.9	13	5.4	484	200.8	35	14.5
CAGAYAN DE ORO	131	36.8	2	0.6	30	8.4	9	2.5
GINGOOG CITY	11	13.1	2	2.4	271	323.1	16	19.1
OROQUIETA CITY	50	92.9	1	1.9	1	1.9	0	-
OZAMIS CITY	23	24.2	3	3.2	0	-	0	-
SURIGAO CITY	73	70.8	4	3.9	130	126.0	3	2.9
TANGUB CITY	11	25.3	1	2.3	0	-	0	-
<b>REGION 11</b>	<b>1,051</b>	<b>22.6</b>	<b>61</b>	<b>1.3</b>	<b>5,779</b>	<b>124.2</b>	<b>149</b>	<b>3.2</b>
COTABATO SOUTH	239	28.1	9	1.1	226	26.5	6	0.7
DAVAO ORIENTAL	17	4.2	17	4.2	3,975	981.1	52	12.8
DAVAO DEL NORTE	78	7.0	2	0.2	160	14.4	8	0.7
DAVAO DEL SUR	92	14.0	6	0.9	156	23.7	5	0.8
SURIGAO DEL SUR	424	91.5	4	0.9	1,042	224.8	41	8.8
DAVAO CITY	193	21.7	20	2.2	202	22.7	30	3.4
GEN. SANTOS CITY	8	3.0	3	1.1	18	6.6	7	2.6
<b>REGION 12</b>	<b>278</b>	<b>8.1</b>	<b>15</b>	<b>0.4</b>	<b>2,870</b>	<b>83.1</b>	<b>40</b>	<b>1.2</b>
NORTH COTABATO	51	12.3	2	0.5	49	11.8	1	0.2
LANAO DEL NORTE	87	15.0	3	0.5	42	7.3	7	1.2
LANAO DEL SUR	31	4.5	0	-	165	23.9	4	0.6
MAGUINDANAO	1	0.1	0	-	7	0.8	3	0.4
SULTAN KUDARAT	28	6.1	5	1.1	2,515	545.0	9	2.0
COTABATO CITY	32	23.1	0	-	50	36.2	6	4.3
ILIGAN CITY	40	16.9	5	2.1	37	15.7	10	4.2
MARAWI CITY	8	7.4	0	-	5	4.7	0	-



TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
 No. & Rate/100,000 Pop.  
**PHILIPPINES**  
 1991

78

AREA	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>232</b>	<b>0.4</b>	<b>2</b>	<b>0.003</b>	<b>4,112</b>	<b>6.5</b>	<b>2</b>	<b>0.003</b>
<b>NAT. CAP. REGION</b>	<b>4</b>	<b>0.05</b>	<b>1</b>	<b>0.01</b>	<b>323</b>	<b>3.9</b>	<b>0</b>	<b>—</b>
1ST DIST. MANILA	0	—	0	—	112	4.3	0	—
2ND DIST. MUN.	0	—	0	—	8	0.8	0	—
QUEZON CITY	1	0.1	0	—	119	6.8	0	—
3RD DIST. MUN.	0	—	0	—	79	9.8	0	—
CALOOCAN CITY	0	—	0	—	3	0.4	0	—
4TH DIST. MUN.	3	0.3	1	0.1	0	—	0	—
PASAY CITY	0	—	0	—	2	0.5	0	—
<b>C.A.R.</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>200</b>	<b>16.6</b>	<b>0</b>	<b>—</b>
ABRA	0	—	0	—	30	15.5	0	—
BENGUET	0	—	0	—	0	0.0	0	—
IFUGAO	0	—	0	—	23	14.6	0	—
KALINGA-APAYAO	0	—	0	—	3	1.4	0	—
MT. PROVINCE	0	—	0	—	0	—	0	—
BAGUIO CITY	0	—	0	—	144	73.7	0	—
<b>REGION 1</b>	<b>4</b>	<b>0.1</b>	<b>0</b>	<b>—</b>	<b>6</b>	<b>0.2</b>	<b>0</b>	<b>—</b>
ILOCOS NORTE	0	—	0	—	1	0.3	0	—
ILOCOS SUR	0	—	0	—	0	—	0	—
LA UNION	4	0.7	0	—	0	—	0	—
PANGASINAN	0	—	0	—	5	0.3	0	—
DAGUPAN CITY	0	—	0	—	0	—	0	—
LAOAG CITY	0	—	0	—	0	—	0	—
SAN CARLOS CITY	0	—	0	—	0	—	0	—
<b>REGION 2</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>17</b>	<b>0.7</b>	<b>0</b>	<b>—</b>
BATANES	0	—	0	—	0	—	0	—
CAGAYAN	0	—	0	—	0	—	0	—
ISABELA	0	—	0	—	0	—	0	—
NUEVA VIZCAYA	0	—	0	—	17	5.4	0	—
QUIRINO	0	—	0	—	0	—	0	—
<b>REGION 3</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>977</b>	<b>15.0</b>	<b>0</b>	<b>—</b>
BATAAN	0	—	0	—	0	—	0	—
BULACAN	0	—	0	—	2	0.1	0	—
NUEVA ECJA	0	—	0	—	0	—	0	—
PAMPANGA	0	—	0	—	0	—	0	—
TARLAC	0	—	0	—	2	0.2	0	—
ZAMBALES	0	—	0	—	6	1.5	0	—

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	0	-	0	-	247	100.5	0	-
CABANATUAN CITY	0	-	0	-	0	-	0	-
OLONGAPO CITY	0	-	0	-	720	359.7	0	-
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	0	-	0	-	0	-	0	-
<b>REGION 4</b>	<b>71</b>	<b>0.8</b>	<b>0</b>	<b>-</b>	<b>156</b>	<b>1.8</b>	<b>2</b>	<b>0.02</b>
AURORA	0	-	0	-	0	-	0	-
BATANGAS	0	-	0	-	12	1.0	1	0.1
CAVITE	0	-	0	-	1	0.1	0	-
LAGUNA	50	3.9	0	-	7	0.5	1	0.1
MARINDUQUE	0	-	0	-	0	-	0	-
MINDORO OCC.	0	-	0	-	0	-	0	-
MINDORO OR.	0	-	0	-	2	0.3	0	-
PALAWAN	4	0.9	0	-	98	-	0	-
QUEZON	5	0.4	0	-	25	2.0	0	-
RIZAL	0	-	0	-	10	0.9	0	-
ROMBLON	0	-	0	-	0	-	0	-
BATANGAS CITY	12	6.1	0	-	0	-	0	-
CAVITE CITY	0	-	0	-	0	-	0	-
LIPA CITY	0	-	0	-	0	-	0	-
LUCENA CITY	0	-	0	-	0	-	0	-
PUERTO PRINCESA CITY	0	-	0	-	1	1.0	0	-
SAN PABLO CITY	0	-	0	-	0	-	0	-
TAGAYTAY CITY	0	-	0	-	0	-	0	-
TRECE MARTIRES CITY	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>-</b>	<b>19</b>	<b>0.5</b>	<b>0</b>	<b>-</b>
ALBAY	0	-	0	-	1	0.1	0	-
CAMARINES NORTE	0	-	0	-	0	-	0	-
CAMARINES SUR	0	-	0	-	7	0.6	0	-
CATANDUANES	0	-	0	-	0	-	0	-
MASBATE	0	-	0	-	11	1.8	0	-
SORSOGON	0	-	0	-	0	-	0	-
IRIGA CITY	0	-	0	-	0	-	0	-
LEGASPI CITY	0	-	0	-	0	-	0	-
NAGA CITY	0	-	0	-	0	-	0	-
<b>REGION 6</b>	<b>55</b>	<b>1.0</b>	<b>0</b>	<b>-</b>	<b>1,543</b>	<b>27.5</b>	<b>0</b>	<b>-</b>
AKLAN	0	-	0	-	1	0.3	0	-
ANTIQUÉ	5	1.2	0	-	3	0.7	0	-
CAPIZ	0	-	0	-	0	-	0	-
ILOILO	0	-	0	-	0	-	0	-
NEGROS OCC.	0	-	0	-	0	-	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	SYPHILIS (1990-1991)				GONOCOCCAL INFECTION (1991)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	30	7.7	0	-	343	88.5	0	-
BAGO CITY	0	-	0	-	0	-	0	-
CADIZ CITY	0	-	0	-	0	-	0	-
ILOILO CITY	18	5.5	0	-	621	188.6	0	-
LA CARLOTA CITY	0	-	0	-	0	-	0	-
ROXAS CITY	2	1.4	0	-	575	399.4	0	-
SAN CARLOS CITY	0	-	0	-	0	-	0	-
SILAY CITY	0	-	0	-	0	-	0	-
<b>REGION 7</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>33</b>	<b>0.7</b>	<b>0</b>	<b>-</b>
BOHOL	0	-	0	-	0	-	0	-
CEBU	0	-	0	-	15	0.9	0	-
NEGROS OR	0	-	0	-	6	0.8	0	-
SIQUIJOR	0	-	0	-	0	-	0	-
BAIS CITY	0	-	0	-	0	-	0	-
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	0	-	0	-	0	-	0	-
DANAO CITY	0	-	0	-	0	-	0	-
DUMAGUETE CITY	0	-	0	-	12	14.3	0	-
LAPU-LAPU CITY	0	-	0	-	0	-	0	-
MANDAWE CITY	0	-	0	-	0	-	0	-
TAGBILARAN CITY	0	-	0	-	0	-	0	-
TOLEDO CITY	0	-	0	-	0	-	0	-
<b>REGION 8</b>	<b>4</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>29</b>	<b>0.9</b>	<b>0</b>	<b>-</b>
LEYTE DEL NORTE	2	0.2	0	-	8	0.6	0	-
LEYTE DEL SUR	0	-	0	-	1	0.3	0	-
EASTERN SAMAR	0	-	0	-	1	0.3	0	-
NORTHERN SAMAR	0	-	0	-	0	-	0	-
WESTERN SAMAR	0	-	0	-	0	-	0	-
CALBAYOG CITY	0	-	0	-	0	-	0	-
ORMOC CITY	2	1.5	0	-	18	13.2	0	-
TACLOBAN CITY	0	-	0	-	1	0.7	0	-
<b>REGION 9</b>	<b>8</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>413</b>	<b>12.5</b>	<b>0</b>	<b>-</b>
BASILAN	0	-	0	-	0	-	0	-
SULU	0	-	0	-	0	-	0	-
TAWI-TAWI	0	-	0	-	0	-	0	-
ZAMB. DEL NORTE	0	-	0	-	0	-	0	-
ZAMB. DEL SUR	0	-	0	-	124	11.7	0	-

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPTAN CITY	0	-	0	-	0	-	0	-
DIPOLOG CITY	0	-	0	-	22	26.3	0	-
PAGADIAN CITY	0	-	0	-	128	115.3	0	-
ZAMBOANGA CITY	8	1.8	0	-	139	30.8	0	-
<b>REGION 10</b>	<b>13</b>	<b>0.4</b>	<b>1</b>	<b>0.03</b>	<b>4</b>	<b>0.1</b>	<b>0</b>	<b>-</b>
AGUSAN DEL NORTE	0	-	0	-	0	-	0	-
AGUSAN DEL SUR	2	0.4	0	-	0	-	0	-
BUKIDNON	0	-	0	-	0	-	0	-
CAMIGUIN	0	-	0	-	0	-	0	-
MISAMIS OCC.	0	-	0	-	0	-	0	-
MISAMIS OR.	0	-	0	-	0	-	0	-
SURIGAO DEL NORTE	10	3.0	1	0.3	2	0.6	0	-
BUTUAN CITY	0	-	0	-	2	0.8	0	-
CAGAYAN DE ORO	1	0.3	0	-	0	-	0	-
GINGOOG CITY	0	-	0	-	0	-	0	-
OROQUIETA CITY	0	-	0	-	0	-	0	-
OZAMIS CITY	0	-	0	-	0	-	0	-
SURIGAO CITY	0	-	0	-	0	-	0	-
TANGUB CITY	0	-	0	-	0	-	0	-
<b>REGION 11</b>	<b>72</b>	<b>1.5</b>	<b>0</b>	<b>-</b>	<b>386</b>	<b>8.3</b>	<b>0</b>	<b>-</b>
COTABATO SOUTH	0	-	0	-	0	-	0	-
DAVAO ORIENTAL	0	-	0	-	0	-	0	-
DAVAO DEL NORTE	72	6.5	0	-	87	7.8	0	-
DAVAO DEL SUR	0	-	0	-	0	-	0	-
SURIGAO DEL SUR	0	-	0	-	299	64.5	0	-
DAVAO CITY	0	-	0	-	0	-	0	-
GEN. SANTOS CITY	0	-	0	-	0	-	0	-
<b>REGION 12</b>	<b>1</b>	<b>0.03</b>	<b>0</b>	<b>-</b>	<b>6</b>	<b>0.2</b>	<b>0</b>	<b>-</b>
NORTH COTABATO	0	-	0	-	0	-	0	-
LANAO DEL NORTE	0	-	0	-	0	-	0	-
LANAO DEL SUR	0	-	0	-	0	-	0	-
MAGUINDANAO	0	-	0	-	0	-	0	-
SULTAN KUDARAT	0	-	0	-	0	-	0	-
COTABATO CITY	0	-	0	-	6	4.3	0	-
ILIGAN CITY	1	0.4	0	-	0	-	0	-
MARAWI CITY	0	-	0	-	0	-	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

82

AREA	SCHISTOSOMIASIS (120)				FILARIASIS (123)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>26,702</b>	<b>42.0</b>	<b>249</b>	<b>0.4</b>	<b>1,026</b>	<b>1.6</b>	<b>2</b>	<b>0.003</b>
<b>NAT. CAP. REGION</b>	<b>39</b>	<b>0.5</b>	<b>7</b>	<b>0.1</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
1ST DIST. MANILA	8	0.3	3	0.1	0	—	0	—
2ND DIST. MUN.	11	1.1	2	0.2	0	—	0	—
QUEZON CITY	14	0.8	1	0.1	0	—	0	—
3RD DIST. MUN.	0	—	0	—	0	—	0	—
CALOOCAN CITY	6	0.7	1	0.1	0	—	0	—
4TH DIST. MUN.	0	—	0	—	0	—	0	—
PASAY CITY	0	—	0	—	0	—	0	—
<b>C.A.R.</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>2</b>	<b>0.2</b>	<b>0</b>	<b>—</b>
ABRA	0	—	0	—	2	1.0	0	—
BENGUET	0	—	0	—	0	—	0	—
IFUGAO	0	—	0	—	0	—	0	—
KALINGA-APAYAO	0	—	0	—	0	—	0	—
MT. PROVINCE	0	—	0	—	0	—	0	—
BAGUIO CITY	0	—	0	—	0	—	0	—
<b>REGION 1</b>	<b>19</b>	<b>0.5</b>	<b>8</b>	<b>0.2</b>	<b>1</b>	<b>0.03</b>	<b>0</b>	<b>—</b>
ILOCOS NORTE	6	1.5	1	0.3	0	—	0	—
ILOCOS SUR	5	0.9	3	0.6	1	0.2	0	—
LA UNION	0	—	0	0.0	0	—	0	—
PANGASINAN	8	0.4	4	0.2	0	—	0	—
DAGUPAN CITY	0	—	0	—	0	—	0	—
LAOAG CITY	0	—	0	—	0	—	0	—
SAN CARLOS CITY	0	—	0	—	0	—	0	—
<b>REGION 2</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>26</b>	<b>1.1</b>	<b>0</b>	<b>—</b>
BATANES	0	—	0	—	0	—	0	—
CAGAYAN	0	—	0	—	0	—	0	—
ISABELA	0	—	0	—	0	—	0	—
NUEVA VIZCAYA	0	—	0	—	0	—	0	—
QUIRINO	0	—	0	—	26	21.9	0	—
<b>REGION 3</b>	<b>4</b>	<b>0.1</b>	<b>2</b>	<b>0.03</b>	<b>13</b>	<b>0.2</b>	<b>1</b>	<b>0.02</b>
BATAAN	0	—	0	—	0	—	0	—
BULACAN	1	0.1	1	0.1	2	0.1	0	—
NUEVA ECUIA	0	—	0	—	3	0.3	1	0.1
PAMPANGA	3	0.2	1	0.1	2	0.1	0	—
TARLAC	0	—	0	—	1	0.1	0	—
ZAMBALES	0	—	0	—	0	—	0	—

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	SCHISTOSOMIASIS (128)				MILARIASIS (25)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	0	-	0	-	5	2.0	0	-
CABANATUAN CITY	0	-	0	-	0	-	0	-
OLONGAPO CITY	0	-	0	-	0	-	0	-
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	0	-	0	-	0	-	0	-
<b>REGION 4</b>	<b>1,127</b>	<b>12.9</b>	<b>7</b>	<b>0.1</b>	<b>73</b>	<b>0.8</b>	<b>0</b>	<b>-</b>
AURORA	0	-	0	-	0	-	0	-
BATANGAS	0	-	0	-	0	-	0	-
CAVITE	4	0.4	2	0.2	0	-	0	-
LAGUNA	4	0.3	1	0.1	0	-	0	-
MARINDUQUE	0	-	0	-	69	36.4	0	-
MINDORO OCC.	0	-	0	-	0	-	0	-
MINDORO OR.	1,112	194.4	3	0.5	0	-	0	-
PALAWAN	0	-	0	-	0	-	0	-
QUEZON	2	0.2	1	0.1	0	-	0	-
RIZAL	0	-	0	-	0	-	0	-
ROMBLON	0	-	0	-	0	-	0	-
BATANGAS CITY	5	2.6	0	-	4	2.0	0	-
CAVITE CITY	0	-	0	-	0	-	0	-
LIPA CITY	0	-	0	-	0	-	0	-
LUCENA CITY	0	-	0	-	0	-	0	-
PUERTO PRINCESA CITY	0	-	0	-	0	-	0	-
SAN PABLO CITY	0	-	0	-	0	-	0	-
TAGAYTAY CITY	0	-	0	-	0	-	0	-
TRECE MARTIRES CITY	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>16</b>	<b>0.4</b>	<b>6</b>	<b>0.1</b>	<b>275</b>	<b>6.8</b>	<b>0</b>	<b>-</b>
ALBAY	0	-	0	-	1	0.1	0	-
CAMARINES NORTE	0	-	0	-	0	-	0	-
CAMARINES SUR	3	0.3	2	0.2	0	-	0	-
CATANDUANES	1	0.5	1	0.5	5	2.6	0	-
MASBATE	0	-	0	-	0	-	0	-
SORSOGON	12	2.3	3	0.6	264	49.5	0	-
IRIGA CITY	0	-	0	-	0	-	0	-
LEGASPI CITY	0	-	0	-	0	-	0	-
NAGA CITY	0	-	0	-	5	3.3	0	-
<b>REGION 6</b>	<b>43</b>	<b>0.8</b>	<b>19</b>	<b>0.3</b>	<b>1</b>	<b>0.02</b>	<b>0</b>	<b>-</b>
AKLAN	27	6.8	16	4.0	0	-	0	-
ANTIQUE	2	0.5	1	0.2	1	0.2	0	-
CAPIZ	0	-	0	-	0	-	0	-
ILOILO	0	-	0	-	0	-	0	-
NEGROS OCC.	2	0.1	1	0.1	0	-	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**BY HEALTH REGION, PROVINCE & CITY**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

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AREA	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	1	0.3	1	0.3	0	-	0	-
BAGO CITY	0	-	0	-	0	-	0	-
CADIZ CITY	0	-	0	-	0	-	0	-
ILOILO CITY	0	-	0	-	0	-	0	-
LA CARLOTA CITY	0	-	0	-	0	-	0	-
ROXAS CITY	11	7.6	0	-	0	-	0	-
SAN CARLOS CITY	0	-	0	-	0	-	0	-
SILAY CITY	0	-	0	-	0	-	0	-
<b>REGION 7</b>	<b>33</b>	<b>0.7</b>	<b>16</b>	<b>0.3</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
BOHOL	5	0.5	1	0.1	0	-	0	-
CEBU	6	0.4	1	0.1	0	-	0	-
NEGROS OR	22	2.9	14	1.8	0	-	0	-
SIQUIJOR	0	-	0	-	0	-	0	-
BAIS CITY	0	-	0	-	0	-	0	-
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	0	-	0	-	0	-	0	-
DANAO CITY	0	-	0	-	0	-	0	-
DUMAGUETE CITY	0	-	0	-	0	-	0	-
LAPU-LAPU CITY	0	-	0	-	0	-	0	-
MANDAWE CITY	0	-	0	-	0	-	0	-
TAGBILARAN CITY	0	-	0	-	0	-	0	-
TOLEDO CITY	0	-	0	-	0	-	0	-
<b>REGION 8</b>	<b>4,871</b>	<b>155.0</b>	<b>79</b>	<b>2.5</b>	<b>32</b>	<b>1.0</b>	<b>0</b>	<b>-</b>
LEYTE DEL NORTE	4,424	350.8	49	3.9	1	0.1	0	-
LEYTE DEL SUR	0	-	0	-	0	-	0	-
EASTERN SAMAR	50	15.0	2	0.6	4	1.2	0	-
NORTHERN SAMAR	372	96.1	15	3.9	7	1.8	0	-
WESTERN SAMAR	11	2.6	4	0.9	1	0.2	0	-
CALBAYOG CITY	4	3.4	2	1.7	19	16.0	0	-
ORMOC CITY	0	-	0	-	0	-	0	-
TACLOBAN CITY	10	6.9	7	4.8	0	-	0	-
<b>REGION 9</b>	<b>663</b>	<b>20.1</b>	<b>6</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
BASILAN	0	-	0	-	0	-	0	-
SULU	0	-	0	-	0	-	0	-
TAWI-TAWI	0	-	0	-	0	-	0	-
ZAMB. DEL NORTE	9	1.6	1	0.2	0	-	0	-
ZAMB. DEL SUR	648	61.0	3	0.3	0	-	0	-

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	0	-	0	-	0	-	0	-
DIPOLOG CITY	6	7.2	2	2.4	0	-	0	-
PAGADIAN CITY	0	-	0	-	0	-	0	-
ZAMBOANGA CITY	0	-	0	-	0	-	0	-
<b>REGION 10</b>	<b>4,859</b>	<b>132.9</b>	<b>34</b>	<b>0.9</b>	<b>71</b>	<b>1.9</b>	<b>0</b>	<b>-</b>
AGUSAN DEL NORTE	100	40.3	6	2.4	0	-	0	-
AGUSAN DEL SUR	903	197.5	5	1.1	3	0.7	0	-
BUKIDNON	1,064	120.8	4	0.5	4	0.5	0	-
CAMIGUIN	0	-	0	-	1	1.5	0	-
MISAMIS OCC.	2	0.8	0	-	46	18.9	0	-
MISAMIS OR.	5	1.1	1	0.2	9	2.0	0	-
SURIGAO DEL NORTE	2,633	798.0	1	0.3	1	0.3	0	-
BUTUAN CITY	31	12.9	10	4.1	7	2.9	0	-
CAGAYAN DE ORO	2	0.6	1	0.3	0	-	0	-
GINGOOG CITY	0	-	0	-	0	-	0	-
OROQUIETA CITY	0	-	0	-	0	-	0	-
OZAMIS CITY	0	-	0	-	0	-	0	-
SURIGAO CITY	105	101.8	0	-	0	-	0	-
TANGUB CITY	14	32.2	6	13.8	0	-	0	-
<b>REGION 11</b>	<b>14,062</b>	<b>302.2</b>	<b>35</b>	<b>0.8</b>	<b>477</b>	<b>10.2</b>	<b>1</b>	<b>0.02</b>
COTABATO SOUTH	968	113.7	2	0.2	36	4.2	0	-
DAVAO ORIENTAL	12,966	3200.2	18	4.4	1	0.2	0	-
DAVAO DEL NORTE	31	2.8	2	0.2	69	6.2	0	-
DAVAO DEL SUR	2	0.3	1	0.2	312	47.5	0	-
SURIGAO DEL SUR	9	1.9	4	0.9	1	0.2	0	-
DAVAO CITY	83	9.3	7	0.8	58	6.5	1	0.1
GEN. SANTOS CITY	3	1.1	1	0.4	0	-	0	-
<b>REGION 12</b>	<b>966</b>	<b>28.0</b>	<b>30</b>	<b>0.9</b>	<b>55</b>	<b>1.6</b>	<b>0</b>	<b>-</b>
NORTH COTABATO	199	47.8	5	1.2	0	-	0	-
LANAO DEL NORTE	176	30.4	20	3.5	0	-	0	-
LANAO DEL SUR	0	-	0	-	7	1.0	0	-
MAGUINDANAO	0	-	0	-	44	5.3	0	-
SULTAN KUDARAT	387	127.2	2	0.4	0	-	0	-
COTABATO CITY	1	0.7	2	1.4	4	2.9	0	-
ILIGAN CITY	3	1.3	1	0.4	0	-	0	-
MARAWI CITY	0	-	0	-	0	-	0	-



**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (393-398, 402-404, 429)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>34,584</b>	<b>54.4</b>	<b>22,307</b>	<b>35.1</b>	<b>63,815</b>	<b>100.3</b>	<b>8,100</b>	<b>12.7</b>
<b>NAT. CAP. REGION</b>	<b>7,787</b>	<b>93.9</b>	<b>4,603</b>	<b>55.5</b>	<b>4,483</b>	<b>54.0</b>	<b>1,781</b>	<b>21.5</b>
1ST DIST. MANILA	2,418	92.9	1,506	57.8	1,471	56.5	521	20.0
2ND DIST. MUN.	901	91.0	537	54.2	508	51.3	266	26.9
QUEZON CITY	2,045	117.0	1,188	68.0	1,365	78.1	463	26.5
3RD DIST. MUN.	710	88.3	293	36.5	326	40.6	98	12.2
CALOOCAN CITY	411	50.4	284	34.8	175	21.5	91	11.2
4TH DIST. MUN.	986	103.3	640	67.0	381	39.9	275	28.8
PASAY CITY	316	83.1	155	40.8	257	67.6	67	17.6
<b>C.A.R.</b>	<b>517</b>	<b>43.0</b>	<b>266</b>	<b>22.1</b>	<b>1,554</b>	<b>129.2</b>	<b>128</b>	<b>10.6</b>
ABRA	51	26.4	38	19.6	269	139.0	34	17.6
BENGUET	335	105.2	162	50.9	406	127.5	59	18.5
IFUGAO	39	24.8	23	14.6	224	142.2	7	4.4
KALINGA-APAYAO	42	19.4	18	8.3	251	115.9	13	6.0
MT. PROVINCE	37	30.5	25	20.6	367	302.6	15	12.4
BAGUIO CITY	13	6.7	0	-	37	18.9	0	-
<b>REGION 1</b>	<b>2,590</b>	<b>69.2</b>	<b>1,554</b>	<b>41.5</b>	<b>4,620</b>	<b>123.5</b>	<b>618</b>	<b>16.5</b>
ILOCOS NORTE	313	79.0	186	47.0	808	204.0	124	31.3
ILOCOS SUR	409	75.1	233	42.8	609	111.8	79	14.5
LA UNION	250	43.4	199	34.5	579	100.5	98	17.0
PANGASINAN	1,124	59.9	730	38.9	2,089	111.4	242	12.9
DAGUPAN CITY	220	169.7	88	67.9	65	50.1	35	27.0
LAOAG CITY	150	169.4	63	71.1	327	369.2	28	31.6
SAN CARLOS CITY	124	94.3	55	41.8	143	108.8	12	9.1
<b>REGION 2</b>	<b>1,173</b>	<b>48.1</b>	<b>632</b>	<b>25.9</b>	<b>2,939</b>	<b>120.6</b>	<b>362</b>	<b>14.9</b>
BATANES	29	180.5	4	24.9	46	286.4	3	18.7
CAGAYAN	475	55.1	233	27.0	1,242	144.0	117	13.6
ISABELA	464	41.2	273	24.2	557	49.4	209	18.5
NUEVA VIZCAYA	157	50.2	95	30.4	728	232.8	21	6.7
QUIRINO	48	40.4	27	22.7	366	307.8	12	10.1
<b>REGION 3</b>	<b>4,001</b>	<b>61.3</b>	<b>2,901</b>	<b>44.5</b>	<b>3,572</b>	<b>54.7</b>	<b>997</b>	<b>15.3</b>
BATAAN	316	71.2	195	43.9	279	62.8	40	9.0
BULACAN	906	57.1	766	48.3	433	27.3	267	16.8
NUEVA ECIJA	673	63.8	467	44.3	999	94.7	250	23.7
PAMPANGA	849	61.8	604	44.0	259	18.9	155	11.3
TARLAC	517	57.0	410	45.2	467	51.5	139	15.3
ZAMBALES	277	70.8	148	37.8	118	30.1	63	16.1

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (391-402/404-429)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	124	50.4	104	42.3	876	356.3	7	2.8
CABANATUAN CITY	190	95.6	90	45.3	37	18.6	32	16.1
OLONGAPO CITY	109	54.5	85	42.5	57	28.5	31	15.5
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	40	39.5	32	31.6	47	46.5	13	12.9
<b>REGION 4</b>	<b>4,514</b>	<b>51.6</b>	<b>3,115</b>	<b>35.6</b>	<b>12,494</b>	<b>142.7</b>	<b>1,067</b>	<b>12.2</b>
AURORA	38	25.9	26	17.7	48	32.7	13	8.9
BATANGAS	792	66.6	599	50.4	541	45.5	141	11.9
CAVITE	683	62.0	533	48.4	742	67.3	116	10.5
LAGUNA	615	47.5	359	27.7	2,390	184.6	194	15.0
MARINDUQUE	146	76.9	97	51.1	202	106.4	27	14.2
MINDORO OCC.	90	30.9	66	22.7	174	59.8	21	7.2
MINDORO OR.	273	47.7	180	31.5	400	69.9	64	11.2
PALAWAN	119	26.0	45	9.8	102	22.3	23	5.0
QUEZON	552	43.3	392	30.7	5,631	441.6	189	14.8
RIZAL	391	36.6	326	30.5	363	34.0	105	9.8
ROMBLON	98	41.1	81	33.9	764	320.1	37	15.5
BATANGAS CITY	150	76.8	72	36.9	336	172.1	16	8.2
CAVITE CITY	54	57.6	13	13.9	16	17.1	1	1.1
LIPA CITY	171	100.4	111	65.2	102	59.9	67	39.3
LUCENA CITY	120	75.1	81	50.7	50	31.3	26	16.3
PUERTO PRINCESA CITY	64	66.8	35	36.5	14	14.6	6	6.3
SAN PABLO CITY	107	63.0	81	47.7	251	147.8	12	7.1
TAGAYTAY CITY	31	122.1	18	70.9	279	1099.1	9	35.5
TRECE MARTIRES CITY	20	110.4	0	-	89	491.5	0	-
<b>REGION 5</b>	<b>1,622</b>	<b>40.0</b>	<b>1,036</b>	<b>25.6</b>	<b>6,556</b>	<b>161.8</b>	<b>625</b>	<b>15.4</b>
ALBAY	304	37.8	182	22.6	1,165	144.8	117	14.5
CAMARINES NORTE	154	37.1	110	26.5	835	201.1	185	44.5
CAMARINES SUR	430	38.0	251	22.2	3,358	296.9	111	9.8
CATANDUANES	82	42.5	58	30.0	93	48.2	19	9.8
MASBATE	166	27.3	128	21.0	405	66.6	30	4.9
SORSOGON	273	51.2	155	29.1	422	79.2	62	11.6
IRIGA CITY	44	49.2	28	31.3	54	60.4	3	3.4
LEGASPI CITY	80	62.9	52	40.9	65	51.1	22	17.3
NAGA CITY	89	59.4	72	48.0	159	106.1	76	50.7
<b>REGION 6</b>	<b>3,096</b>	<b>55.1</b>	<b>2,127</b>	<b>37.9</b>	<b>10,581</b>	<b>188.3</b>	<b>722</b>	<b>12.9</b>
AKLAN	318	80.5	177	44.8	1,527	386.4	43	10.9
ANTIQUE	208	49.0	140	33.0	542	127.8	35	8.3
CAPIZ	325	69.6	182	39.0	259	55.5	52	11.1
ILOILO	817	53.6	506	33.2	6,281	412.1	250	16.4
NEGROS OCC.	490	34.3	402	28.1	749	52.4	114	8.0

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

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AREA	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (293-402,404,429)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	331	85.4	289	74.6	128	33.0	85	21.9
BAGO CITY	60	47.0	39	30.6	40	-	10	7.8
CADIZ CITY	49	40.6	34	28.1	158	130.8	16	13.2
ILOILO CITY	229	69.5	188	57.1	535	162.5	77	23.4
LA CARLOTA CITY	47	78.9	30	50.4	30	50.4	3	5.0
ROXAS CITY	96	66.7	62	43.1	250	173.6	20	13.9
SAN CARLOS CITY	68	60.8	41	36.6	41	36.6	1	0.9
SILAY CITY	58	59.2	37	37.8	41	41.9	16	16.3
<b>REGION 7</b>	<b>3,327</b>	<b>69.3</b>	<b>2,285</b>	<b>47.6</b>	<b>5,768</b>	<b>120.2</b>	<b>602</b>	<b>12.5</b>
BOHOL	427	45.8	352	37.7	615	65.9	100	10.7
CEBU	1,130	70.8	740	46.3	2,690	168.4	218	13.6
NEGROS OR	288	37.6	213	27.8	1,527	199.2	32	4.2
SIQUIJOR	107	140.8	72	94.8	63	82.9	6	7.9
BAIS CITY	39	62.4	24	38.4	77	123.3	1	1.6
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	709	113.0	568	90.5	200	31.9	121	19.3
DANAO CITY	78	99.9	57	73.0	80	102.5	60	76.9
DUMAGUETE CITY	160	190.8	100	119.3	212	252.8	24	28.6
LAPU-LAPU CITY	123	78.3	31	19.7	106	67.4	1	0.6
MANDAWE CITY	82	42.7	55	28.6	61	31.8	7	3.6
TAGBILARAN CITY	130	220.2	45	76.2	127	215.2	25	42.4
TOLEDO CITY	54	42.7	28	22.1	10	7.9	7	5.5
<b>REGION 8</b>	<b>1,198</b>	<b>38.1</b>	<b>730</b>	<b>23.2</b>	<b>3,560</b>	<b>113.3</b>	<b>307</b>	<b>9.8</b>
LEYTE DEL NORTE	549	43.5	323	25.6	1,793	142.2	122	9.7
LEYTE DEL SUR	246	74.4	149	45.0	186	56.2	54	16.3
EASTERN SAMAR	51	15.3	35	10.5	477	142.7	27	8.1
NORTHERN SAMAR	110	28.4	70	18.1	147	38.0	42	10.8
WESTERN SAMAR	71	16.6	37	8.6	104	24.3	16	3.7
CALBAYOG CITY	38	32.0	20	16.9	208	175.3	4	3.4
ORMOC CITY	76	55.8	60	44.1	297	218.2	19	14.0
TACLOBAN CITY	57	39.1	36	24.7	348	238.9	23	15.8
<b>REGION 9</b>	<b>728</b>	<b>22.1</b>	<b>442</b>	<b>13.4</b>	<b>1,168</b>	<b>35.5</b>	<b>115</b>	<b>3.5</b>
BASILAN	74	30.2	24	9.8	14	5.7	10	4.1
SULU	33	6.6	16	3.2	26	5.2	8	1.6
TAWI-TAWI	10	4.4	3	1.3	48	21.0	0	-
ZAMB. DEL NORTE	130	23.8	93	17.0	67	12.3	11	2.0
ZAMB. DEL SUR	148	13.9	102	9.6	507	47.7	20	1.9

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	MALIGNANT NEOPLASMS (140-239)				DISEASES OF THE HEART (393-398;402-404;419)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	48	79.0	38	62.5	9	14.8	6	9.9
DIPOLOG CITY	70	83.6	45	53.8	36	43.0	11	13.1
PAGADIAN CITY	41	36.9	24	21.6	22	19.8	11	9.9
ZAMBOANGA CITY	174	38.5	97	21.5	439	97.2	38	8.4
<b>REGION 10</b>	<b>1,510</b>	<b>41.3</b>	<b>1,036</b>	<b>28.3</b>	<b>2,256</b>	<b>61.7</b>	<b>321</b>	<b>8.8</b>
AGUSAN DEL NORTE	84	33.9	66	26.6	86	34.7	23	9.3
AGUSAN DEL SUR	68	14.9	46	10.1	153	33.5	9	2.0
BUKIDNON	121	13.7	95	10.8	518	58.8	34	3.9
CAMIGUIN	70	104.1	40	59.5	61	90.7	11	16.4
MISAMIS OCC.	191	78.4	96	39.4	46	18.9	22	9.0
MISAMIS OR.	221	48.7	150	33.1	303	66.8	60	13.2
SURIGAO DEL NORTE	130	39.4	98	29.7	199	60.3	41	12.4
BUTUAN CITY	103	42.7	79	32.8	324	134.4	31	12.9
CAGAYAN DE ORO	211	59.3	165	46.3	74	20.8	45	12.6
GINGOOG CITY	51	60.8	36	42.9	268	319.6	10	11.9
OROQUIETA CITY	71	131.9	46	85.5	153	284.2	6	11.1
OZAMIS CITY	62	65.3	50	52.7	20	21.1	7	7.4
SURIGAO CITY	79	76.6	48	46.5	36	34.9	18	17.4
TANGUB CITY	48	110.3	21	48.3	15	34.5	4	9.2
<b>REGION 11</b>	<b>1,961</b>	<b>42.1</b>	<b>1,288</b>	<b>27.7</b>	<b>2,439</b>	<b>52.4</b>	<b>381</b>	<b>8.2</b>
COTABATO SOUTH	242	28.4	183	21.5	341	40.0	65	7.6
DAVAO ORIENTAL	314	77.5	252	62.2	138	34.1	72	17.8
DAVAO DEL NORTE	87	7.8	57	5.1	140	12.6	15	1.3
DAVAO DEL SUR	224	34.1	129	19.6	152	23.1	84	12.8
SURIGAO DEL SUR	192	41.4	104	22.4	480	103.5	20	4.3
DAVAO CITY	709	79.5	448	50.3	1,059	118.8	58	6.5
GEN. SANTOS CITY	193	71.2	115	42.4	129	47.6	67	24.7
<b>REGION 12</b>	<b>560</b>	<b>16.2</b>	<b>292</b>	<b>8.5</b>	<b>1,825</b>	<b>52.9</b>	<b>74</b>	<b>2.1</b>
NORTH COTABATO	80	19.2	21	5.0	80	19.2	2	0.5
LANAO DEL NORTE	122	21.1	60	10.4	93	16.1	12	2.1
LANAO DEL SUR	20	2.9	1	0.1	550	79.7	2	0.3
MAGUINDANAO	43	5.2	13	1.6	111	13.5	9	1.1
SULTAN KUDARAT	105	22.8	70	15.2	238	51.6	18	3.9
COTABATO CITY	51	36.9	30	21.7	275	198.9	10	7.2
ILIGAN CITY	118	50.0	92	39.0	399	169.0	19	8.0
MARAWI CITY	21	19.6	5	4.7	79	73.6	2	1.9

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
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PHILIPPINES  
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AREA	BRONCHITIS (460-465)				PNEUMONIAS (480-485)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b><u>PHILIPPINES</u></b>	<b><u>891,662</u></b>	<b><u>1401.5</u></b>	<b><u>562</u></b>	<b><u>0.9</u></b>	<b><u>275,513</u></b>	<b><u>433.1</u></b>	<b><u>36,705</u></b>	<b><u>57.7</u></b>
<b><u>NAT. CAP. REGION</u></b>	<b><u>52,650</u></b>	<b><u>634.7</u></b>	<b><u>30</u></b>	<b><u>0.4</u></b>	<b><u>24,957</u></b>	<b><u>300.9</u></b>	<b><u>6,640</u></b>	<b><u>80.0</u></b>
1ST DIST. MANILA	9,640	370.3	3	0.1	3,037	116.7	2,249	86.4
2ND DIST. MUN.	8,020	810.1	14	1.4	4,168	421.0	649	65.6
QUEZON CITY	9,459	541.3	5	0.3	6,761	386.9	1,637	93.7
3RD DIST. MUN.	9,258	1152.0	1	0.1	1,483	184.5	486	60.5
CALOOCAN CITY	6,453	791.0	7	0.9	696	85.3	763	93.5
4TH DIST. MUN.	8,624	903.1	0	-	1,120	117.3	647	67.8
PASAY CITY	1,196	314.5	0	-	7,692	2022.9	209	55.0
<b><u>C.A.R.</u></b>	<b><u>34,793</u></b>	<b><u>2892.5</u></b>	<b><u>2</u></b>	<b><u>0.2</u></b>	<b><u>12,585</u></b>	<b><u>1046.3</u></b>	<b><u>436</u></b>	<b><u>36.2</u></b>
ABRA	6,537	3377.5	1	0.5	1,418	732.6	146	75.4
BENGUET	6,208	1949.5	1	0.3	1,256	394.4	133	41.8
IFUGAO	6,680	4240.0	0	-	3,447	2187.9	27	17.1
KALINGA-APAYAO	7,487	3455.8	0	-	3,437	1586.4	47	21.7
MT. PROVINCE	5,073	4182.8	0	-	1,737	1432.2	83	68.4
BAGUIO CITY	2,808	1437.1	0	-	1,290	660.2	0	-
<b><u>REGION 1</u></b>	<b><u>30,508</u></b>	<b><u>815.2</u></b>	<b><u>56</u></b>	<b><u>1.5</u></b>	<b><u>16,451</u></b>	<b><u>439.6</u></b>	<b><u>3,134</u></b>	<b><u>83.7</u></b>
ILOCOS NORTE	4,200	1060.5	5	1.3	1,322	333.8	197	49.7
ILOCOS SUR	4,073	747.9	11	2.0	1,050	192.8	318	58.4
LA UNION	7,805	1354.7	6	1.0	6,706	1163.9	418	72.5
PANGASINAN	13,054	696.0	32	1.7	5,848	311.8	1,920	102.4
DAGUPAN CITY	646	498.3	0	-	797	614.8	165	127.3
LAOAG CITY	13	14.7	2	2.3	123	138.9	49	55.3
SAN CARLOS CITY	717	545.5	0	-	605	460.3	67	51.0
<b><u>REGION 2</u></b>	<b><u>60,764</u></b>	<b><u>2493.6</u></b>	<b><u>55</u></b>	<b><u>2.3</u></b>	<b><u>13,904</u></b>	<b><u>570.6</u></b>	<b><u>1,620</u></b>	<b><u>66.5</u></b>
BATANES	553	-	0	-	405	2521.3	20	124.5
CAGAYAN	12,855	1490.8	34	3.9	2,792	323.8	630	73.1
ISABELA	27,396	2431.5	18	1.6	5,063	449.4	744	66.0
NUEVA VIZCAYA	18,642	5960.2	1	0.3	3,466	1108.1	165	52.8
QUIRINO	1,318	1108.3	2	1.7	2,178	1831.4	61	51.3
<b><u>REGION 3</u></b>	<b><u>70,737</u></b>	<b><u>1083.9</u></b>	<b><u>19</u></b>	<b><u>0.3</u></b>	<b><u>9,823</u></b>	<b><u>150.5</u></b>	<b><u>2,802</u></b>	<b><u>42.9</u></b>
BATAAN	6,457	1454.1	1	0.2	597	134.4	152	34.2
BULACAN	15,254	961.3	6	0.4	1,653	104.2	662	41.7
NUEVA ECUIJA	11,882	1126.2	1	0.1	2,624	248.7	445	42.2
PAMPANGA	8,139	592.5	5	0.4	1,034	75.3	348	25.3
TARLAC	12,539	1381.6	2	0.2	2,177	239.9	597	65.8
ZAMBALES	5,659	1445.5	1	0.3	767	195.9	230	58.8

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
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AREA	BRONCHITIS (460-466)				PNEUMONIAS (480-486)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	4,558	1853.8	0	—	606	246.5	110	44.7
CABANATUAN CITY	4,429	2229.3	0	—	40	20.1	96	48.3
OLONGAPO CITY	702	350.7	2	1.0	165	82.4	75	37.5
PALAYAN CITY	0	—	0	—	0	—	0	—
SAN JOSE CITY	1,118	1105.3	1	1.0	160	158.2	87	86.0
<b>REGION 4</b>	<b>41,907</b>	<b>478.8</b>	<b>101</b>	<b>1.2</b>	<b>17,348</b>	<b>198.2</b>	<b>4,100</b>	<b>46.8</b>
AURORA	538	366.4	0	—	158	107.6	62	42.2
BATANGAS	1,250	105.1	3	0.3	2,164	182.0	546	45.9
CAVITE	2,181	198.0	10	0.9	1,254	113.8	623	56.5
LAGUNA	7,989	616.9	8	0.6	1,340	103.5	294	22.7
MARINDUQUE	773	407.3	8	4.2	240	126.5	122	64.3
MINDORO OCC.	873	299.9	0	—	617	211.9	113	38.8
MINDORO OR.	3,379	590.7	19	3.3	1,727	301.9	277	48.4
PALAWAN	3,664	799.9	2	0.4	1,881	410.7	84	18.3
QUEZON	3,579	280.7	27	2.1	4,261	334.2	914	71.7
RIZAL	8,336	780.9	6	0.6	1,272	119.2	525	49.2
ROMBLON	3,443	1442.7	7	2.9	1,152	482.7	132	55.3
BATANGAS CITY	241	123.5	0	—	262	134.2	126	64.6
CAVITE CITY	2,740	2920.8	2	2.1	261	278.2	8	8.5
LIPA CITY	205	120.3	0	—	94	55.2	58	34.0
LUCENA CITY	332	207.9	4	2.5	149	93.3	105	65.7
PUERTO PRINCESA CITY	554	577.8	2	2.1	197	205.5	24	25.0
SAN PABLO CITY	998	587.8	3	1.8	97	57.1	48	28.3
TAGAYTAY CITY	724	2852.2	0	—	125	492.4	39	153.6
TRECE MARTIRES CITY	108	596.4	0	—	97	535.7	0	—
<b>REGION 5</b>	<b>82,983</b>	<b>2048.0</b>	<b>56</b>	<b>1.4</b>	<b>35,665</b>	<b>880.2</b>	<b>3,064</b>	<b>75.6</b>
ALBAY	17,906	2225.6	7	0.9	8,575	1065.8	676	84.0
CAMARINES NORTE	11,020	2653.7	5	1.2	2,620	630.9	479	—
CAMARINES SUR	25,673	2269.7	20	1.8	13,885	1227.6	838	74.1
CATANDUANES	809	419.0	3	1.6	445	230.5	224	116.0
MASBATE	17,743	2916.2	8	1.3	5,604	921.1	227	37.3
SORSOGON	9,127	1712.6	5	0.9	3,286	616.6	410	76.9
IRIGA CITY	25	28.0	7	7.8	40	44.7	30	33.5
LEGASPI CITY	646	508.2	0	—	797	626.9	71	55.9
NAGA CITY	34	22.7	1	0.7	413	275.5	109	72.7
<b>REGION 6</b>	<b>85,669</b>	<b>1524.9</b>	<b>49</b>	<b>0.9</b>	<b>20,979</b>	<b>373.4</b>	<b>3,870</b>	<b>68.9</b>
AKLAN	6,895	1744.8	11	2.8	1,195	302.4	250	63.3
ANTIQUE	7,430	1752.1	1	0.2	1,843	434.6	576	135.8
CAPIZ	15,004	3214.6	1	0.2	5,306	1136.8	400	85.7
ILOILO	13,293	872.3	9	0.6	4,834	317.2	1,127	74.0
NEGROS OCC.	25,560	1788.2	5	0.3	3,399	237.8	725	50.7

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
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AREA	BRONCHITIS (460-466)				PNEUMONIAS (480-486)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	2,040	526.2	3	0.8	284	73.3	204	52.6
BAGO CITY	303	237.6	0	0.0	312	244.6	113	88.6
CADIZ CITY	1,892	1566.5	0	0.0	968	801.4	38	31.5
ILOILO CITY	7,915	2403.6	1	0.3	1,429	433.9	167	50.7
LA CARLOTA CITY	2,503	4203.6	2	3.4	845	1419.1	42	70.5
ROXAS CITY	1,343	932.8	0	0.0	253	175.7	59	41.0
SAN CARLOS CITY	937	837.4	16	14.3	138	123.3	73	65.2
SILAY CITY	554	565.6	0	-	173	176.6	96	98.0
<b>REGION 7</b>	<b>42,997</b>	<b>896.1</b>	<b>51</b>	<b>1.1</b>	<b>14,071</b>	<b>293.3</b>	<b>3,066</b>	<b>63.9</b>
BOHOL	10,758	1153.6	15	1.6	2,856	306.2	680	72.9
CEBU	5,178	324.2	16	1.0	4,945	309.6	1,042	65.2
NEGROS OR	12,337	1609.6	5	0.7	785	102.4	345	45.0
SIQUIJOR	853	1122.6	0	0.0	316	415.9	97	127.7
BAIS CITY	400	640.5	0	0.0	201	321.8	32	51.2
CANLAON CITY	1,485	3752.3	0	0.0	120	303.2	0	0.0
CEBU CITY	8,035	1280.6	14	2.2	1,250	199.2	488	77.8
DANAO CITY	14	17.9	0	0.0	160	205.0	53	67.9
DUMAGUETE CITY	449	535.5	1	1.2	338	403.1	88	105.0
LAPU-LAPU CITY	753	479.1	0	0.0	556	353.8	55	35.0
MANDAWE CITY	1,674	871.8	0	0.0	490	255.2	45	23.4
TAGBILARAN CITY	90	152.5	0	0.0	120	203.3	47	79.6
TOLEDO CITY	971	768.0	0	0.0	1,934	1529.6	94	74.3
<b>REGION 8</b>	<b>70,910</b>	<b>2256.5</b>	<b>58</b>	<b>1.8</b>	<b>25,875</b>	<b>823.4</b>	<b>2,714</b>	<b>86.4</b>
LEYTE DEL NORTE	39,607	3140.2	43	3.4	13,781	1092.6	1,518	120.4
LEYTE DEL SUR	10,960	3312.6	7	2.1	1,629	492.4	290	87.7
EASTERN SAMAR	8,603	2573.3	0	0.0	4,405	1317.6	98	29.3
NORTHERN SAMAR	6,742	1741.3	7	1.8	2,290	591.5	289	74.6
WESTERN SAMAR	2,448	571.5	1	0.2	1,205	281.3	114	26.6
CALBAYOG CITY	452	380.9	0	0.0	244	205.6	79	66.6
ORMOC CITY	1,736	1275.2	0	0.0	361	265.2	188	138.1
TACLOBAN CITY	362	248.5	0	0.0	1,960	1345.4	138	94.7
<b>REGION 9</b>	<b>68,748</b>	<b>2089.0</b>	<b>39</b>	<b>1.2</b>	<b>30,627</b>	<b>930.6</b>	<b>868</b>	<b>26.4</b>
BASILAN	6,078	2482.9	1	0.4	1,009	412.2	21	8.6
SULU	978	194.6	0	0.0	949	188.8	80	15.9
TAWI-TAWI	1,494	654.6	0	0.0	442	193.6	2	0.9
ZAMB. DEL NORTE	3,650	669.0	24	4.4	2,990	548.0	230	42.2
ZAMB. DEL SUR	43,694	4111.5	4	0.4	22,060	2075.8	223	21.0

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
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AREA	BRONCHITIS (480-485)				PNEUMONIAS (480-486)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	3,694	6076.7	3	4.9	76	125.0	34	55.9
DIPOLOG CITY	687	820.8	6	7.2	421	503.0	48	57.4
PAGADIAN CITY	7,594	6840.0	1	0.9	1,293	1164.6	61	54.9
ZAMBOANGA CITY	879	194.7	0	-	1,387	307.2	169	37.4
<b>REGION 10</b>	<b>94,101</b>	<b>2573.1</b>	<b>17</b>	<b>0.5</b>	<b>21,650</b>	<b>592.0</b>	<b>1,929</b>	<b>52.7</b>
AGUSAN DEL NORTE	3,719	1499.4	0	-	645	260.0	144	58.1
AGUSAN DEL SUR	13,908	3041.4	3	0.7	3,604	788.1	104	22.7
BUKIDNON	28,803	3269.6	3	0.3	7,081	803.8	260	29.5
CAMIGUIN	5,855	8703.9	0	-	1,118	1662.0	52	77.3
MISAMIS OCC.	8,711	3577.0	1	0.4	1,659	681.2	175	71.9
MISAMIS OR.	10,430	2299.1	7	1.5	1,414	311.7	240	52.9
SURIGAO DEL NORTE	8,476	2568.7	1	0.3	1,621	491.3	188	57.0
BUTUAN CITY	2,645	1097.4	0	-	1,212	502.8	189	78.4
CAGAYAN DE ORO	2,151	604.1	0	-	1,389	390.1	320	89.9
GINGOOG CITY	1,541	1837.5	0	-	94	112.1	63	75.1
OROQUIETA CITY	5,105	9483.7	0	-	666	1237.3	46	85.5
OZAMIS CITY	180	189.6	2	2.1	14	14.7	60	63.2
SURIGAO CITY	2,115	2050.3	0	-	806	781.4	62	60.1
TANGUB CITY	462	1062.0	0	-	327	751.7	26	59.8
<b>REGION 11</b>	<b>119,621</b>	<b>2570.4</b>	<b>19</b>	<b>0.4</b>	<b>20,550</b>	<b>441.6</b>	<b>1,823</b>	<b>39.2</b>
COTABATO SOUTH	15,495	1819.3	2	0.2	2,329	273.5	238	27.9
DAVAO ORIENTAL	14,212	3507.7	0	-	4,204	1037.6	473	116.7
DAVAO DEL NORTE	37,412	3358.5	5	0.4	836	75.0	151	13.6
DAVAO DEL SUR	7,397	1125.6	3	0.5	1,063	161.8	226	34.4
SURIGAO DEL SUR	14,223	3068.3	5	1.1	5,604	1208.9	202	43.6
DAVAO CITY	30,388	3409.3	3	0.3	6,117	686.3	356	39.9
GEN. SANTOS CITY	494	182.3	1	0.4	397	146.5	177	65.3
<b>REGION 12</b>	<b>35,274</b>	<b>1021.9</b>	<b>10</b>	<b>0.3</b>	<b>11,028</b>	<b>319.5</b>	<b>639</b>	<b>18.5</b>
NORTH COTABATO	7,285	1751.2	0	-	1,747	419.9	16	3.8
LANAO DEL NORTE	6,710	1160.0	4	0.7	579	100.1	131	22.6
LANAO DEL SUR	6,905	1000.3	0	-	1,978	286.5	8	1.2
MAGUINDANAO	6,191	751.6	0	-	2,973	360.9	8	1.0
SULTAN KUDARAT	5,413	1173.1	1	0.2	2,028	439.5	109	23.6
COTABATO CITY	1,153	834.0	0	-	1,203	870.1	54	39.1
ILIGAN CITY	1,508	638.9	5	2.1	455	192.8	302	127.9
MARAWI CITY	109	101.5	0	-	65	60.5	11	10.2



TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
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AREA	INFLUENZA (487)				ACCIDENTS (800-999; P800-P949)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>462,915</b>	<b>727.6</b>	<b>496</b>	<b>0.8</b>	<b>63,028</b>	<b>99.1</b>	<b>123</b>	<b>0.2</b>
<b>NAT. CAP. REGION</b>	<b>13,539</b>	<b>163.2</b>	<b>50</b>	<b>0.6</b>	<b>388</b>	<b>4.7</b>	<b>37</b>	<b>0.4</b>
1ST DIST. MANILA	2,179	83.7	9	0.3	160	6.1	14	0.5
2ND DIST. MUN.	2,490	251.5	6	0.6	50	5.1	5	0.5
QUEZON CITY	1,959	112.1	0	-	44	2.5	17	1.0
3RD DIST. MUN.	1,904	236.9	3	0.4	0	-	0	-
CALOOCAN CITY	2,343	287.2	3	0.4	21	2.6	0	-
4TH DIST. MUN.	2,106	220.5	29	3.0	48	5.0	1	0.1
PASAY CITY	558	146.7	0	-	65	17.1	0	-
<b>C.A.R.</b>	<b>13,871</b>	<b>1153.2</b>	<b>1</b>	<b>0.1</b>	<b>38</b>	<b>3.2</b>	<b>8</b>	<b>0.7</b>
ABRA	5,519	2851.5	0	-	0	-	0	-
BENGUET	1,723	541.1	0	-	2	0.6	0	-
IFUGAO	1,720	1091.7	0	-	0	-	0	-
KALINGA-APAYAO	3,275	1511.7	0	-	20	9.2	1	0.5
MT. PROVINCE	1,367	1127.1	1	0.8	16	13.2	7	5.8
BAGUIO CITY	267	136.6	0	-	0	-	0	-
<b>REGION 1</b>	<b>12,869</b>	<b>343.9</b>	<b>102</b>	<b>2.7</b>	<b>1,765</b>	<b>47.2</b>	<b>5</b>	<b>0.1</b>
ILOCOS NORTE	2,543	642.1	17	4.3	1,068	269.7	0	-
ILOCOS SUR	465	85.4	4	0.7	0	-	0	-
LA UNION	2,521	437.6	4	0.7	106	18.4	0	-
PANGASINAN	6,939	369.9	59	3.1	543	28.9	5	0.3
DAGUPAN CITY	107	82.5	2	1.5	10	7.7	0	-
LAOAG CITY	22	24.8	3	3.4	34	38.4	0	-
SAN CARLOS CITY	272	206.9	13	9.9	4	3.0	0	-
<b>REGION 2</b>	<b>43,203</b>	<b>1773.0</b>	<b>5</b>	<b>0.2</b>	<b>2,507</b>	<b>102.9</b>	<b>7</b>	<b>0.3</b>
BATANES	315	1961.0	0	-	38	236.6	0	-
CAGAYAN	11,092	1286.4	4	0.5	1,681	195.0	1	0.1
ISABELA	14,492	1286.2	1	0.1	207	18.4	4	0.4
NUEVA VIZCAYA	16,026	5123.8	0	-	581	185.8	2	0.6
QUIRINO	1,278	1074.6	0	-	0	-	0	-
<b>REGION 3</b>	<b>24,020</b>	<b>368.0</b>	<b>25</b>	<b>0.4</b>	<b>273</b>	<b>4.2</b>	<b>14</b>	<b>0.2</b>
BATAAN	545	122.7	4	0.9	0	-	0	-
BULACAN	4,258	268.4	5	0.3	0	-	0	-
NUEVA ECJA	4,794	454.4	8	0.8	0	-	0	-
PAMPANGA	4,496	327.3	2	0.1	110	8.0	8	0.6
TARLAC	3,880	427.5	2	0.2	0	-	0	-
ZAMBALES	1,043	266.4	2	0.5	56	14.3	3	0.8

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	INFLUENZA (487)				ACCIDENTS (800-899 E800-E949)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	3,039	1236.0	0	-	78	31.7	1	0.4
CABANATUAN CITY	1,577	793.8	0	-	29	14.6	2	1.0
OLONGAPO CITY	173	86.4	1	0.5	0	-	0	-
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	215	212.6	1	1.0	0	-	0	-
<b>REGION 4</b>	<b>32,349</b>	<b>369.6</b>	<b>48</b>	<b>0.5</b>	<b>7,960</b>	<b>90.9</b>	<b>10</b>	<b>0.1</b>
AURORA	213	145.1	2	1.4	215	146.4	6	4.1
BATANGAS	149	12.5	5	0.4	0	-	0	-
CAVITE	1,959	177.8	4	0.4	0	-	0	-
LAGUNA	7,280	562.2	5	0.4	3,585	276.8	0	-
MARINDUQUE	567	298.8	5	2.6	0	-	0	-
MINDORO OCC.	776	266.6	3	1.0	0	-	0	-
MINDORO OR.	3,210	561.2	5	0.9	0	-	0	-
PALAWAN	4,050	884.2	1	0.2	28	6.1	0	-
QUEZON	3,684	288.9	11	0.9	2,653	208.1	2	0.2
RIZAL	3,567	334.1	4	0.4	0	-	0	-
ROMBLON	3,437	1440.2	2	0.8	1,103	462.2	2	0.8
BATANGAS CITY	2,080	1065.7	0	-	0	-	0	-
CAVITE CITY	88	93.8	0	-	0	-	0	-
LIPA CITY	68	39.9	0	-	0	-	0	-
LUCENA CITY	18	11.3	1	0.6	0	-	0	-
PUERTO PRINCESA CITY	188	196.1	0	-	0	-	0	-
SAN PABLO CITY	832	490.0	0	-	376	221.5	0	-
TAGAYTAY CITY	126	496.4	0	-	0	-	0	-
TRECE MARTIRES CITY	57	314.8	0	-	0	-	0	-
<b>REGION 5</b>	<b>70,025</b>	<b>1728.2</b>	<b>45</b>	<b>1.1</b>	<b>185</b>	<b>4.6</b>	<b>4</b>	<b>0.1</b>
ALBAY	10,883	1352.7	8	1.0	47	5.8	1	0.1
CAMARINES NORTE	2,065	497.3	0	-	0	-	0	-
CAMARINES SUR	39,556	3497.1	13	1.1	20	1.8	1	0.1
CATANDUANES	945	489.4	2	1.0	0	-	0	-
MASBATE	10,484	1723.2	2	0.3	0	-	0	-
SORSOGON	5,640	1058.3	15	2.8	41	7.7	2	0.4
IRIGA CITY	276	308.6	4	4.5	36	40.3	0	-
LEGASPI CITY	107	84.2	0	0.0	10	7.9	0	-
NAGA CITY	69	46.0	1	0.7	31	20.7	0	-
<b>REGION 6</b>	<b>36,538</b>	<b>650.4</b>	<b>148</b>	<b>2.6</b>	<b>4,416</b>	<b>78.6</b>	<b>6</b>	<b>0.1</b>
AKLAN	2,887	730.5	16	4.0	122	30.9	2	0.5
ANTIQUE	2,626	619.2	12	2.8	75	17.7	3	0.7
CAPIZ	8,651	1853.5	6	1.3	0	-	0	-
ILOILO	7,583	497.6	10	0.7	6	0.4	0	-
NEGROS OCC.	13,085	915.4	55	3.8	3,943	275.9	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

96

AREA	INFLUENZA (487)				ACCIDENTS (800-999;E800-E949)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	823	212.3	29	7.5	69	17.8	1	0.3
BAGO CITY	2	1.6	0	-	45	35.3	0	-
CADIZ CITY	198	163.9	0	-	35	29.0	0	-
ILOILO CITY	262	79.6	11	3.3	0	-	0	-
LA CARLOTA CITY	89	149.5	0	-	13	21.8	0	-
ROXAS CITY	80	55.6	1	0.7	78	54.2	0	-
SAN CARLOS CITY	39	34.9	5	4.5	0	-	0	-
SILAY CITY	213	217.5	3	3.1	30	30.6	0	-
<b>REGION 7</b>	<b>27,668</b>	<b>576.6</b>	<b>12</b>	<b>0.3</b>	<b>7,819</b>	<b>163.0</b>	<b>2</b>	<b>0.04</b>
BOHOL	2,523	270.5	5	0.5	889	95.3	0	-
CEBU	1,373	86.0	3	0.2	3,972	248.7	0	-
NEGROS OR	21,390	2790.7	0	-	2,730	356.2	0	-
SIQUIJOR	75	98.7	0	-	0	-	0	-
BAIS CITY	47	75.3	0	-	31	49.6	0	-
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	570	90.8	3	0.5	0	-	0	-
DANAO CITY	6	7.7	0	-	41	52.5	1	1.3
DUMAGUETE CITY	29	34.6	1	1.2	110	131.2	0	-
LAPU-LAPU CITY	101	64.3	0	-	38	24.2	0	-
MANDAWE CITY	559	291.1	0	-	0	-	0	-
TAGBILARAN CITY	0	-	0	-	8	13.6	1	1.7
TOLEDO CITY	995	786.9	0	-	0	-	0	-
<b>REGION 8</b>	<b>22,138</b>	<b>704.5</b>	<b>45</b>	<b>1.4</b>	<b>11,100</b>	<b>353.2</b>	<b>10</b>	<b>0.3</b>
LEYTE DEL NORTE	7,324	580.7	32	2.5	3,625	287.4	2	0.2
LEYTE DEL SUR	3,562	1076.6	1	0.3	968	292.6	0	-
EASTERN SAMAR	6,580	1968.2	6	1.8	670	200.4	2	0.6
NORTHERN SAMAR	2,177	562.3	5	1.3	2,177	562.3	4	1.0
WESTERN SAMAR	1,501	350.4	1	0.2	3,373	787.4	0	-
CALBAYOG CITY	724	610.2	0	-	50	42.1	0	-
ORMOC CITY	240	176.3	0	-	92	67.6	1	0.7
TACLOBAN CITY	30	20.6	0	-	145	99.5	1	0.7
<b>REGION 9</b>	<b>71,288</b>	<b>2166.1</b>	<b>0</b>	<b>-</b>	<b>5,875</b>	<b>178.5</b>	<b>6</b>	<b>0.2</b>
BASILAN	1,456	594.8	0	-	150	61.3	1	0.4
SULU	3,536	703.6	0	-	715	142.3	0	-
TAWI-TAWI	230	100.8	0	-	120	52.6	0	-
ZAMB. DEL NORTE	21,516	3943.6	0	-	676	123.9	0	-
ZAMB. DEL SUR	40,019	3765.7	0	-	3,811	358.6	5	0.5

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	INFLUENZA (487)				ACCIDENTS (800-999,000-1,000)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	1,304	2145.1	0	-	60	98.7	0	-
DIPOLOG CITY	963	1150.6	0	-	42	50.2	0	-
PAGADIAN CITY	2,020	1819.4	0	-	111	100.0	0	-
ZAMBOANGA CITY	244	54.0	0	-	190	42.1	0	-
<b>REGION 10</b>	<b>23,915</b>	<b>653.9</b>	<b>7</b>	<b>0.2</b>	<b>6,579</b>	<b>179.9</b>	<b>2</b>	<b>0.1</b>
AGUSAN DEL NORTE	253	102.0	0	-	845	340.7	0	-
AGUSAN DEL SUR	3,516	768.9	0	-	205	44.8	0	-
BUKIDNON	1,510	171.4	1	0.1	1,230	139.6	1	0.1
CAMIGUIN	1,356	2015.8	0	-	93	138.3	1	1.5
MISAMIS OCC.	4,594	1886.5	0	-	550	225.8	0	-
MISAMIS OR.	2,795	616.1	1	0.2	340	74.9	0	-
SURIGAO DEL NORTE	5,606	1699.0	1	0.3	237	71.8	0	-
BUTUAN CITY	546	226.5	0	-	430	178.4	0	-
CAGAYAN DE ORO	378	106.2	0	-	2,110	592.6	0	-
GINGOOG CITY	1,585	1890.0	0	-	107	127.6	0	-
OROQUIETA CITY	920	1709.1	0	-	182	338.1	0	-
OZAMIS CITY	26	27.4	0	-	53	55.8	0	-
SURIGAO CITY	613	594.3	0	-	57	55.3	0	-
TANGUB CITY	217	498.8	4	9.2	140	321.8	0	-
<b>REGION 11</b>	<b>39,689</b>	<b>852.8</b>	<b>7</b>	<b>0.2</b>	<b>9,538</b>	<b>205.0</b>	<b>11</b>	<b>0.2</b>
COTABATO SOUTH	3,039	356.8	0	-	1,108	130.1	1	0.1
DAVAO ORIENTAL	11,271	2781.9	1	0.2	612	151.1	0	-
DAVAO DEL NORTE	4,183	375.5	0	0.0	1,101	98.8	0	-
DAVAO DEL SUR	14,106	2146.6	0	0.0	2,530	385.0	1	0.2
SURIGAO DEL SUR	3,665	790.6	6	1.3	1,237	266.9	0	-
DAVAO CITY	3,175	356.2	0	-	2,570	288.3	9	1.0
GEN. SANTOS CITY	250	92.2	0	-	380	140.2	0	-
<b>REGION 12</b>	<b>31,803</b>	<b>921.4</b>	<b>1</b>	<b>0.03</b>	<b>4,585</b>	<b>132.8</b>	<b>1</b>	<b>0.03</b>
NORTH COTABATO	1,524	366.3	0	-	192	46.2	0	-
LANAO DEL NORTE	5,766	996.8	0	-	501	86.6	1	0.2
LANAO DEL SUR	10,320	1495.0	0	-	935	135.4	0	-
MAGUINDANAO	9,362	1136.5	0	-	1,098	133.3	0	-
SULTAN KUDARAT	4,205	911.3	1	0.2	173	37.5	0	-
COTABATO CITY	179	129.5	0	-	78	56.4	0	-
ILIGAN CITY	328	139.0	0	-	1,550	656.7	0	-
MARAWI CITY	119	110.8	0	-	58	54.0	0	-

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	CHOLERA (001)				AIDS (217.19)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
<b>PHILIPPINES</b>	<b>1,263</b>	<b>2.0</b>	<b>97</b>	<b>0.2</b>	<b>71</b>	<b>0.1</b>	<b>0</b>	<b>0.00</b>
<b>NAT. CAP. REGION</b>	<b>54</b>	<b>0.7</b>	<b>19</b>	<b>0.2</b>	<b>52</b>	<b>0.6</b>	<b>0</b>	<b>-</b>
1ST DIST. MANILA	16	0.6	4	0.2	**	**	0	-
2ND DIST. MUN.	8	0.8	6	0.6	**	**	0	-
QUEZON CITY	2	0.1	0	-	**	**	0	-
3RD DIST. MUN.	11	1.4	1	0.1	**	**	0	-
CALOOCAN CITY	2	0.2	0	-	**	**	0	-
4TH DIST. MUN.	14	1.5	8	0.8	**	**	0	-
PASAY CITY	1	0.3	0	-	**	**	0	-
<b>C.A.R.</b>	<b>28</b>	<b>2.3</b>	<b>2</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
ABRA	0	-	0	-	0	-	0	-
BENGUET	2	0.6	1	0.3	0	-	0	-
IFUGAO	7	4.4	0	-	0	-	0	-
KALINGA-APAYAO	19	8.8	1	0.5	0	-	0	-
MT. PROVINCE	0	-	0	-	0	-	0	-
BAGUIO CITY	0	-	0	-	0	-	0	-
<b>REGION 1</b>	<b>27</b>	<b>0.7</b>	<b>7</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
ILOCOS NORTE	0	-	0	-	0	-	0	-
ILOCOS SUR	0	-	0	-	0	-	0	-
LA UNION	15	2.6	1	0.2	0	-	0	-
PANGASINAN	12	0.6	6	0.3	0	-	0	-
DAGUPAN CITY	0	-	0	-	0	-	0	-
LAOAG CITY	0	-	0	-	0	-	0	-
SAN CARLOS CITY	0	-	0	-	0	-	0	-
<b>REGION 2</b>	<b>30</b>	<b>1.2</b>	<b>4</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
BATANES	0	-	0	-	0	-	0	-
CAGAYAN	8	0.9	3	0.3	0	-	0	-
ISABELA	5	0.4	1	0.1	0	-	0	-
NUEVA VIZCAYA	0	-	0	-	0	-	0	-
QUIRINO	17	14.3	0	-	0	-	0	-
<b>REGION 3</b>	<b>82</b>	<b>1.3</b>	<b>6</b>	<b>0.1</b>	<b>11</b>	<b>0.2</b>	<b>0</b>	<b>0.00</b>
BATAAN	6	1.4	0	-	0	-	0	-
BULACAN	6	0.4	3	0.2	0	-	0	-
NUEVA ECJA	0	-	0	-	0	-	0	-
PAMPANGA	31	2.3	2	0.1	3	0.2	0	-
TARLAC	3	0.3	1	0.1	0	-	0	-
ZAMBALES	7	1.8	0	-	8	2.0	0	-

\* 11 Cases of AIDS Unknown

\*\* 52 Cases of AIDS in NCR has no breakdown

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	CHOLERA (001)				AIDS (217.19)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ANGELES CITY	29	11.8	0	-	0	-	0	-
CABANATUAN CITY	0	-	0	-	0	-	0	-
OLONGAPO CITY	0	-	0	-	0	-	0	-
PALAYAN CITY	0	-	0	-	0	-	0	-
SAN JOSE CITY	0	-	0	-	0	-	0	-
<b>REGION 4</b>	<b>47</b>	<b>0.5</b>	<b>8</b>	<b>0.1</b>	<b>2</b>	<b>0.02</b>	<b>0</b>	<b>-</b>
AURORA	1	0.7	0	-	0	-	0	-
BATANGAS	0	-	0	-	0	-	0	-
CAVITE	5	0.5	2	0.2	0	-	0	-
LAGUNA	4	0.3	1	0.1	0	-	0	-
MARINDUQUE	0	-	0	-	0	-	0	-
MINDORO OCC.	10	3.4	0	-	0	-	0	-
MINDORO OR.	9	1.6	1	0.2	0	-	0	-
PALAWAN	0	-	0	-	0	-	0	-
QUEZON	7	0.5	2	0.2	0	-	0	-
RIZAL	6	0.6	0	-	2	0.2	0	-
ROMBLON	3	1.3	1	0.4	0	-	0	-
BATANGAS CITY	2	1.0	1	0.5	0	-	0	-
CAVITE CITY	0	-	0	-	0	-	0	-
LIPA CITY	0	-	0	-	0	-	0	-
LUCENA CITY	0	-	0	-	0	-	0	-
PUERTO PRINCESA CITY	0	-	0	-	0	-	0	-
SAN PABLO CITY	0	-	0	-	0	-	0	-
TAGAYTAY CITY	0	-	0	-	0	-	0	-
TRECE MARTIRES CITY	0	-	0	-	0	-	0	-
<b>REGION 5</b>	<b>35</b>	<b>0.9</b>	<b>3</b>	<b>0.1</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
ALBAY	0	-	0	-	0	-	0	-
CAMARINES NORTE	17	4.1	0	-	0	-	0	-
CAMARINES SUR	0	-	0	-	0	-	0	-
CATANDUANES	0	-	0	-	0	-	0	-
MASBATE	13	2.1	2	0.3	0	-	0	-
SORSOGON	5	0.9	1	0.2	0	-	0	-
IRIGA CITY	0	-	0	-	0	-	0	-
LEGASPI CITY	0	-	0	-	0	-	0	-
NAGA CITY	0	-	0	-	0	-	0	-
<b>REGION 6</b>	<b>102</b>	<b>1.8</b>	<b>12</b>	<b>0.2</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
AKLAN	17	4.3	3	0.8	0	-	0	-
ANTIQUE	31	7.3	1	0.2	0	-	0	-
CAPIZ	0	-	0	-	0	-	0	-
ILOILO	12	0.8	1	0.1	0	-	0	-
NEGROS OCC.	6	0.4	2	0.1	0	-	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

100

AREA	CHOLERA (00)				AIDS (217.19)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
BACOLOD CITY	0	-	0	-	0	-	0	-
BAGO CITY	0	-	0	-	0	-	0	-
CADIZ CITY	3	2.5	1	0.8	0	-	0	-
ILOILO CITY	20	6.1	0	-	0	-	0	-
LA CARLOTA CITY	0	-	0	-	0	-	0	-
ROXAS CITY	5	3.5	1	0.7	0	-	0	-
SAN CARLOS CITY	8	7.1	3	2.7	0	-	0	-
SILAY CITY	0	-	0	-	0	-	0	-
<b>REGION 7</b>	<b>78</b>	<b>1.6</b>	<b>9</b>	<b>0.2</b>	<b>2</b>	<b>0.04</b>	<b>0</b>	<b>-</b>
BOHOL	9	1.0	3	0.3	0	-	0	-
CEBU	3	0.2	1	0.1	1	0.1	0	-
NEGROS OR	0	-	0	-	1	0.1	0	-
SIQUIJOR	3	3.9	1	1.3	0	-	0	-
BALIS CITY	0	-	0	-	0	-	0	-
CANLAON CITY	0	-	0	-	0	-	0	-
CEBU CITY	63	10.0	4	0.6	0	-	0	-
DANAO CITY	0	-	0	-	0	-	0	-
DUMAGUETE CITY	0	-	0	-	0	-	0	-
LAPU-LAPU CITY	0	-	0	-	0	-	0	-
MANDAWE CITY	0	-	0	-	0	-	0	-
TAGBILARAN CITY	0	-	0	-	0	-	0	-
TOLEDO CITY	0	-	0	-	0	-	0	-
<b>REGION 8</b>	<b>227</b>	<b>7.2</b>	<b>3</b>	<b>0.1</b>	<b>1</b>	<b>0.03</b>	<b>0</b>	<b>-</b>
LEYTE DEL NORTE	4	0.3	1	0.1	0	-	0	-
LEYTE DEL SUR	23	7.0	0	-	1	0.3	0	-
EASTERN SAMAR	38	11.4	0	-	0	-	0	-
NORTHERN SAMAR	75	19.4	1	0.3	0	-	0	-
WESTERN SAMAR	73	17.0	1	0.2	0	-	0	-
CALBAYOG CITY	13	11.0	0	-	0	-	0	-
ORMOC CITY	1	0.7	0	-	0	-	0	-
TACLOBAN CITY	0	-	0	-	0	-	0	-
<b>REGION 9</b>	<b>34</b>	<b>1.0</b>	<b>7</b>	<b>0.2</b>	<b>2</b>	<b>0.1</b>	<b>0</b>	<b>-</b>
BASILAN	7	2.9	1	0.4	0	-	0	-
SULU	6	1.2	1	0.2	0	-	0	-
TAWI-TAWI	0	-	0	-	0	-	0	-
ZAMB. DEL NORTE	2	0.4	1	0.2	1	0.2	0	-
ZAMB. DEL SUR	9	0.8	2	0.2	1	0.1	0	-

TABLE 15

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS  
BY HEALTH REGION, PROVINCE & CITY  
No. & Rate/100,000 Pop.  
PHILIPPINES  
1991**

AREA	CHOLERA (001)				AIDS (217.10)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
DAPITAN CITY	3	4.9	1	1.6	0	-	0	-
DIPOLOG CITY	0	-	0	-	0	-	0	-
PAGADIAN CITY	5	4.5	1	0.9	0	-	0	-
ZAMBOANGA CITY	2	0.4	0	-	0	-	0	-
<b>REGION 10</b>	<b>245</b>	<b>6.7</b>	<b>8</b>	<b>0.2</b>	<b>1</b>	<b>0.03</b>	<b>0</b>	<b>-</b>
AGUSAN DEL NORTE	7	2.8	2	0.8	0	-	0	-
AGUSAN DEL SUR	16	3.5	1	0.2	0	-	0	-
BUKIDNON	83	9.4	5	0.6	0	-	0	-
CAMIGUIN	20	29.7	0	-	0	-	0	-
MISAMIS OCC.	41	16.8	0	-	0	-	0	-
MISAMIS OR.	11	2.4	0	-	0	-	0	-
SURIGAO DEL NORTE	42	12.7	0	-	0	-	0	-
BUTUAN CITY	19	7.9	0	-	0	-	0	-
CAGAYAN DE ORO	1	0.3	0	-	1	0.3	0	-
GINGOOG CITY	0	0.0	0	-	0	-	0	-
OROQUIETA CITY	5	-	0	-	0	-	0	-
OZAMIS CITY	0	-	0	-	0	-	0	-
SURIGAO CITY	0	-	0	-	0	-	0	-
TANGUB CITY	0	-	0	-	0	-	0	-
<b>REGION 11</b>	<b>58</b>	<b>1.2</b>	<b>5</b>	<b>0.1</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
COTABATO SOUTH	9	1.1	1	0.1	0	-	0	-
DAVAO ORIENTAL	12	3.0	2	0.5	0	-	0	-
DAVAO DEL NORTE	10	0.9	1	0.1	0	-	0	-
DAVAO DEL SUR	9	1.4	0	-	0	-	0	-
SURIGAO DEL SUR	16	3.5	0	-	0	-	0	-
DAVAO CITY	2	0.2	1	0.1	0	-	0	-
GEN. SANTOS CITY	0	0.0	0	-	0	-	0	-
<b>REGION 12</b>	<b>216</b>	<b>6.3</b>	<b>4</b>	<b>0.1</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>
NORTH COTABATO	1	0.2	1	0.2	0	-	0	-
LANAO DEL NORTE	11	1.9	1	0.2	0	-	0	-
LANAO DEL SUR	10	1.4	1	0.1	0	-	0	-
MAGUINDANAO	122	14.8	0	-	0	-	0	-
SULTAN KUDARAT	2	0.4	0	-	0	-	0	-
COTABATO CITY	53	38.3	0	-	0	-	0	-
ILIGAN CITY	8	3.4	0	-	0	-	0	-
MARAWI CITY	9	8.4	1	0.9	0	-	0	-



**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971-1991**

YEAR	TYPHOID AND PARATYPHOID FEVER AND OTHER SALMONELLA INFECTIONS (002 - 003)			
	CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE
1991	13,844	21.8	1,076	1.7
1990	15,720	25.3	1,045	1.7
1989	17,794	29.6	1,233	2.1
1988	15,830	27.0	1,356	2.3
1987	15,290	26.7	1,121	2.0
1986	13,764	24.6	1,024	1.8
1985	15,706	28.7	1,071	2.0
1984	10,073	18.9	831	1.6
1983	5,420	10.5	697	1.4
1982	5,282	10.3	596	1.2
1981	4,300	8.7	676	1.4
1980	3,222	6.7	629	1.3
1979	3,525	7.6	656	1.4
1978	3,542	7.8	792	1.7
1977	4,333	9.6	768	1.7
1976	3,448	7.9	688	1.6
1975	3,101	7.3	596	1.4
1974	3,767	9.1	572	1.4
1973	4,878	12.1	587	1.5
1972	4,495	11.5	542	1.4
1971	1,417	3.7	371	1.0

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971-1991**

YEAR	DIARRHEAS (004-009)				TUBERCULOSIS, ALL FORMS (010-018-137)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	984,713	1547.8	4,552	7.2	123,281	193.8	22,814	35.9
1990	927,860	1495.4	6,396	10.3	152,688	246.1	24,307	39.2
1989	741,733	1234.2	6,893	11.5	206,508	343.6	26,300	43.8
1988	624,355	1063.3	9,155	15.6	183,113	311.8	27,020	46.0
1987	591,858	1031.9	9,468	16.5	163,740	285.5	28,697	50.0
1986	538,849	962.2	9,815	17.5	153,129	273.4	30,604	54.6
1985	522,762	956.2	11,516	21.1	151,028	276.3	31,650	57.9
1984	551,560	1036.9	11,553	21.7	151,867	285.5	27,320	51.4
1983	275,068	535.2	15,090	29.4	106,300	206.8	28,580	55.6
1982	221,191	430.7	12,735	24.8	104,715	203.9	28,309	55.1
1981	239,117	482.7	16,196	32.7	116,182	234.5	27,317	55.1
1980	199,574	413.1	13,492	27.9	112,307	232.4	28,790	59.6
1979	217,155	466.2	16,683	35.8	108,813	233.6	28,221	60.6
1978	210,608	462.6	15,717	34.5	118,587	260.5	28,398	62.4
1977	209,040	464.5	18,041	40.1	107,108	238.0	31,805	70.7
1976	299,579	684.7	15,529	35.5	148,057	338.4	31,386	71.7
1975	202,472	476.2	11,818	27.8	133,537	314.1	29,436	69.2
1974	245,813	592.9	15,182	36.6	142,250	343.1	31,031	74.9
1973	277,108	689.0	18,106	45.0	137,106	340.9	26,011	64.7
1972	258,282	661.6	17,167	44.0	137,038	351.0	29,784	76.3
1971	135,127	356.0	12,237	32.2	127,942	337.1	26,021	68.6

YEAR	LEPROSY (030)				DIPHTHERIA (032)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	2,028	3.2	68	0.1	1,028	1.6	62	0.1
1990	2,827	4.6	65	0.1	921	1.5	115	0.2
1989	4,228	7.0	95	0.2	1,297	2.2	117	0.2
1988	1,661	2.8	86	0.1	1,202	2.0	186	0.3
1987	1,766	3.1	63	0.1	1,443	2.5	245	0.4
1986	1,815	3.2	81	0.1	1,630	2.9	261	0.5
1985	2,090	3.8	124	0.2	1,669	3.1	316	0.6
1984	1,798	3.4	68	0.1	1,968	3.7	337	0.6
1983	1,153	2.2	89	0.2	1,812	3.5	491	1.0
1982	997	1.9	107	0.2	2,140	4.2	524	1.0
1981	958	1.9	123	0.2	819	1.7	504	1.0
1980	886	1.8	137	0.3	1,910	4.0	414	0.9
1979	690	1.5	131	0.3	1,044	2.2	546	1.2
1978	489	1.1	137	0.3	1,389	3.1	455	1.0
1977	504	1.1	137	0.3	2,888	6.4	562	1.2
1976	614	1.4	122	0.3	3,371	7.7	641	1.5
1975	504	1.2	97	0.2	1,770	4.2	601	1.4
1974	624	1.5	97	0.2	2,884	7.0	519	1.3
1973	484	1.2	65	0.2	3,379	8.4	661	1.6
1972	616	1.6	97	0.2	3,342	8.6	616	1.6
1971	691	1.8	74	0.2	1,877	4.9	505	1.3

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971-1991**

YEAR	WHOOPING COUGH (033)				TETANUS (037)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	4,829	7.6	9	0.01	2,312	3.6	1,022	1.6
1990	4,135	6.7	9	0.01	2,286	3.7	989	1.6
1989	9,466	15.8	12	0.02	3,102	5.2	1,040	1.7
1988	7,814	13.3	14	0.02	3,199	5.4	1,069	1.8
1987	8,856	15.4	26	0.05	2,910	5.1	1,026	1.8
1986	16,139	28.8	31	0.1	3,381	6.0	1,034	1.8
1985	19,628	35.9	45	0.1	3,474	6.4	1,033	1.9
1984	21,479	40.4	51	0.1	3,353	6.3	924	1.7
1983	17,380	33.8	68	0.1	2,912	5.7	941	1.8
1982	15,879	30.9	80	0.2	2,441	4.8	967	1.9
1981	19,178	38.7	57	0.1	2,242	4.5	913	1.8
1980	19,844	41.1	98	0.2	3,080	6.4	1,004	2.1
1979	21,254	45.6	157	0.3	2,905	6.2	1,226	2.6
1978	15,243	33.5	80	0.2	4,236	9.3	3,471	7.6
1977	21,403	47.6	111	0.2	5,539	12.3	3,791	8.4
1976	27,442	62.7	117	0.3	4,745	10.8	4,114	9.4
1975	28,231	66.4	81	0.2	4,575	10.8	4,244	10.0
1974	22,042	53.2	58	0.1	4,516	10.9	3,794	9.2
1973	20,210	50.2	46	0.1	4,483	11.1	3,614	9.0
1972	26,311	67.4	62	0.2	4,679	12.0	3,640	9.3
1971	24,269	63.9	52	0.1	3,945	10.4	3,183	8.4

YEAR	ACUTE POLIOMYELITIS (045-138)				VARICELLA (052)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	362	0.6	14	0.02	42,909	67.4	12	0.02
1990	98	0.2	23	0.04	33,177	53.5	20	0.03
1989	335	0.6	32	0.1	16,931	28.2	23	0.04
1988	344	0.6	40	0.1	6,767	11.5	12	0.02
1987	327	0.6	43	0.1	6,336	11.0	15	0.03
1986	375	0.7	45	0.1	3,121	5.6	4	0.007
1985	557	1.0	61	0.1	3,844	7.0	10	0.02
1984	428	0.8	66	0.1	3,409	6.4	11	0.02
1983	355	0.7	94	0.2	1,850	3.6	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	2.4	20	0.04
1980	432	0.9	201	0.4	1,112	2.3	23	0.05
1979	1,054	2.3	353	0.8	1,028	2.2	34	0.1
1978	835	1.8	185	0.4	1,261	2.8	38	0.1
1977	1,454	3.2	357	0.8	1,171	2.6	45	0.1
1976	805	1.8	196	0.4	2,226	5.1	52	0.1
1975	793	1.9	165	0.4	1,408	3.3	33	0.1
1974	916	2.2	195	0.5	1,977	4.8	37	0.1
1973	854	2.1	254	0.6	2,309	5.7	36	0.1
1972	914	2.3	169	0.4	1,878	4.8	35	0.1
1971	883	2.3	170	0.4	2,061	5.4	40	0.1

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971-1991**

YEAR	MEASLES (055)				H- FEVER (061-065)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	35,582	55.9	2,228	3.5	11,317	17.8	401	0.6
1990	42,938	69.2	3,499	5.6	4,836	7.8	363	0.6
1989	68,496	114.0	6,734	11.2	2,240	3.7	199	0.3
1988	70,801	120.6	7,775	13.2	2,821	4.8	300	0.5
1987	81,896	142.8	12,431	21.7	1,696	3.0	243	0.4
1986	59,375	106.0	6,249	11.2	1,623	2.9	191	0.3
1985	62,959	115.2	8,043	14.7	2,096	3.8	210	0.4
1984	75,290	141.5	7,987	15.0	2,514	4.7	103	0.2
1983	43,684	85.0	9,286	18.1	1,684	3.3	305	0.6
1982	35,989	70.1	7,136	13.9	816	1.6	192	0.4
1981	27,031	54.6	6,951	14.0	324	0.7	112	0.2
1980	26,765	55.4	5,191	10.7	627	1.3	103	0.2
1979	29,230	62.8	5,607	12.0	438	0.9	18	0.04
1978	27,842	61.2	5,605	12.3	358	0.8	213	0.5
1977	27,694	61.5	5,293	11.8	729	1.6	224	0.5
1976	29,901	68.3	5,060	11.6	575	1.3	174	0.4
1975	28,198	66.3	3,632	8.5	716	1.7	170	0.4
1974	22,999	55.5	3,533	8.5	665	1.6	153	0.4
1973	28,568	71.0	4,866	12.1	710	1.8	214	0.5
1972	15,451	39.6	2,078	5.3	1,570	4.0	83	0.2
1971	26,492	69.8	3,264	8.6	438	1.2	34	0.1

YEAR	INFECTIOUS HEPATITIS (070)				MALARIA (084)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	12,972	20.4	401	0.6	48,761	76.6	924	1.5
1990	14,709	23.7	936	1.5	73,625	118.7	913	1.5
1989	14,761	24.6	850	1.4	125,114	208.2	989	1.6
1988	16,125	27.5	825	1.4	114,679	195.3	1,176	2.0
1987	16,084	28.0	817	1.4	121,097	211.1	1,226	2.1
1986	14,523	25.9	728	1.3	124,153	221.7	1,156	2.1
1985	16,022	29.3	607	1.1	121,975	223.1	1,166	2.1
1984	15,320	28.8	625	1.2	107,485	202.1	923	1.7
1983	9,549	18.6	653	1.3	55,019	107.0	1,086	2.1
1982	8,615	16.8	739	1.4	40,496	78.9	985	1.9
1981	9,943	20.1	660	1.3	44,118	89.1	1,071	2.2
1980	9,578	19.8	828	1.7	39,678	82.1	1,091	2.3
1979	8,850	19.0	750	1.6	31,779	68.2	1,142	2.5
1978	7,172	15.8	813	1.8	35,353	77.7	1,077	2.4
1977	7,392	16.4	761	1.7	29,955	66.6	974	2.2
1976	6,815	15.6	772	1.8	35,553	81.3	997	2.3
1975	4,410	10.4	649	1.5	27,077	63.7	1,018	2.4
1974	5,977	14.4	635	1.5	27,420	66.1	938	2.3
1973	6,752	16.8	548	1.4	31,999	79.6	845	2.1
1972	4,789	12.3	398	1.0	27,090	69.4	656	1.7
1971	3,568	9.4	304	0.8	25,338	66.8	547	1.4

TABLE 16

**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971-1991**

YEAR	SYPHILIS (090-097)				GONOCOCCAL INFECTION (098)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	232	0.4	2	0.003	4,112	6.5	2	0.003
1990	151	0.2	3	0.005	6,374	10.3	0	-
1989	99	0.2	9	0.01	8,635	14.4	0	-
1988	99	0.2	9	0.02	8,342	14.2	0	-
1987	62	0.1	9	0.02	11,361	19.8	0	-
1986	69	0.1	8	0.01	11,731	20.9	0	-
1985	91	0.2	9	0.02	15,329	28.0	0	-
1984	201	0.4	42	0.08	13,806	26.0	0	-
1983	102	0.2	16	0.03	13,359	26.0	5	0.01
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	-
1980	83	0.2	9	0.02	6,786	14.0	0	-
1979	94	0.2	26	0.06	9,288	19.9	0	-
1978	60	0.1	16	0.04	8,423	18.5	0	-
1977	84	0.2	29	0.06	9,879	22.0	1	0.002
1976	71	0.2	23	0.05	9,174	21.0	2	0.005
1975	33	0.1	14	0.03	8,165	19.2	1	0.002
1974	45	0.1	17	0.04	17,147	41.4	0	-
1973	49	0.1	25	0.06	12,600	31.3	0	-
1972	94	0.2	76	0.2	10,406	26.7	0	-
1971	71	0.2	69	0.2	10,815	28.5	10	0.03

YEAR	SCHISTOSOMIASIS (120)				FILARIASIS (125)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	26,702	42.0	249	0.4	1,026	1.6	2	0.003
1990	14,781	23.8	272	0.4	286	0.5	1	0.002
1989	25,699	42.8	273	0.5	188	0.3	1	0.002
1988	12,273	20.9	301	0.5	290	0.5	0	-
1987	13,892	24.2	288	0.5	351	0.6	0	-
1986	11,074	19.8	281	0.5	300	0.5	1	0.002
1985	9,764	17.9	416	0.8	259	0.5	2	0.004
1984	4,388	8.2	416	0.8	493	0.9	2	0.004
1983	3,454	6.7	452	0.9	74	0.1	5	0.01
1982	3,801	7.4	426	0.8	77	0.1	4	0.008
1981	3,009	6.1	398	0.8	28	0.1	4	0.008
1980	2,686	5.6	426	0.9	30	0.1	4	0.008
1979	2,923	6.3	452	1.0	6	0.01	3	0.006
1978	4,216	9.3	496	1.1	6	0.01	4	0.009
1977	3,802	8.4	588	1.3	9	0.02	0	-
1976	5,094	11.6	642	1.5	62	0.1	5	0.01
1975	2,643	6.2	523	1.2	30	0.1	4	0.009
1974	3,482	8.4	535	1.3	226	0.5	0	-
1973	3,094	7.7	494	1.2	70	0.2	2	0.005
1972	2,816	7.2	472	1.2	21	0.1	4	0.01
1971	4,005	10.6	395	1.0	308	0.8	3	0.008

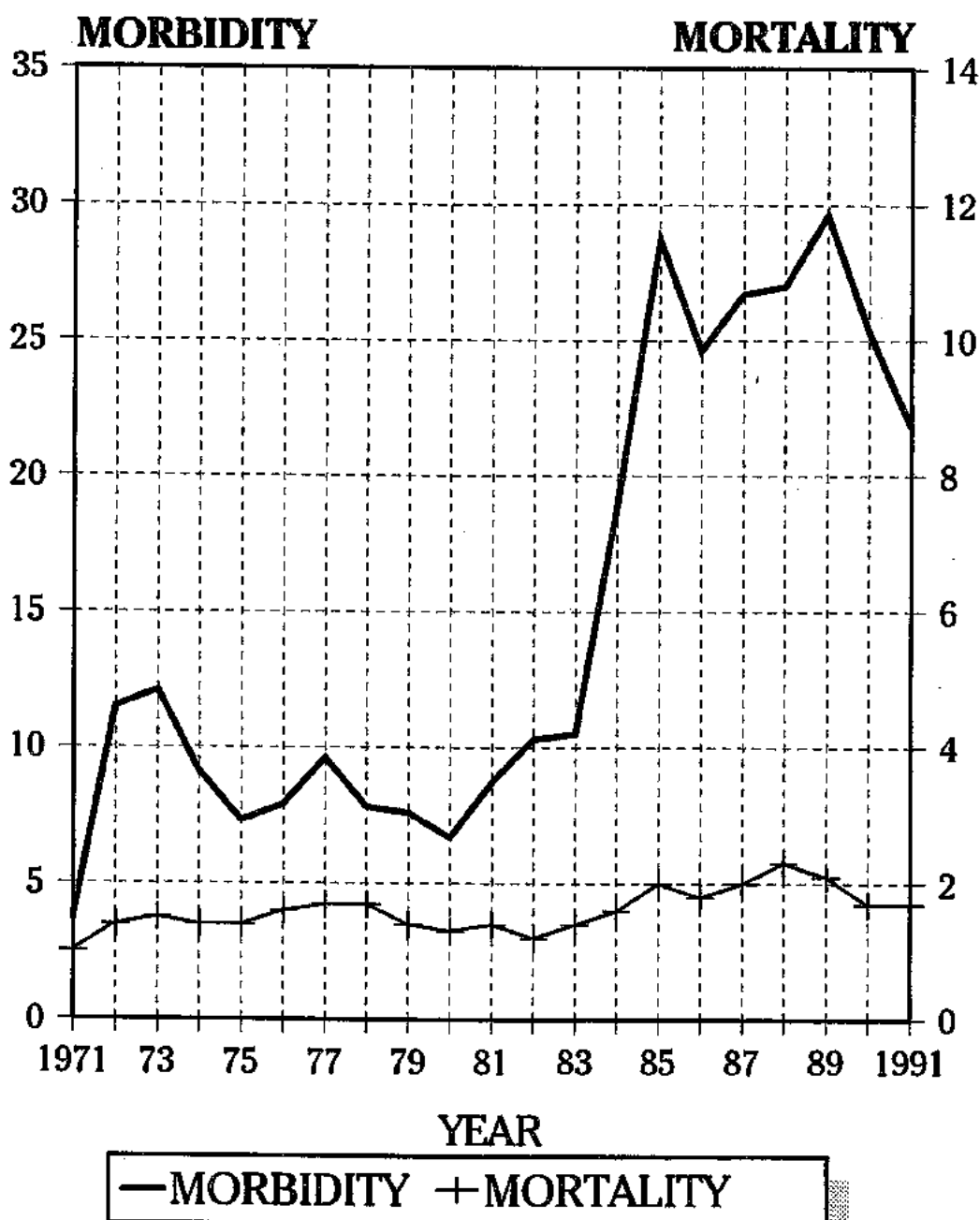
**NOTIFIABLE DISEASES: REPORTED CASES & DEATHS**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971-1991**

YEAR	MALIGNANT NEOPLASMS (140-239)				BRONCHITIS (466)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	34,584	54.4	22,307	35.1	891,562	1401.4	562	0.9
1990	33,702	54.3	21,979	35.4	980,557	1580.3	1,008	1.6
1989	33,777	56.2	21,933	36.5	893,550	1486.8	1,105	1.8
1988	28,940	49.3	21,184	36.1	759,511	1293.4	1,438	2.4
1987	27,195	47.4	20,367	35.5	642,777	1120.7	1,814	3.2
1986	26,985	48.2	18,395	32.8	602,851	1076.4	1,985	3.5
1985	24,270	44.4	18,143	33.2	586,427	1072.7	2,078	3.8
1984	24,191	45.5	17,700	33.3	606,880	1140.9	1,764	3.3
1983	25,838	50.3	17,997	35.0	352,447	685.7	2,052	4.0
1982	26,867	52.3	16,832	32.8	280,431	546.0	2,250	4.4
1981	24,777	50.0	16,059	32.4	220,698	445.5	1,476	3.0
1980	28,905	59.8	16,019	33.2	206,469	427.3	2,756	5.7
1979	20,213	43.4	15,449	33.2	219,527	471.3	3,219	6.9
1978	19,565	43.0	14,182	31.1	207,426	455.6	5,929	13.0
1977	20,730	46.1	13,977	31.1	180,259	400.5	6,347	14.1
1976	13,439	30.7	13,173	30.1	199,034	454.9	7,142	16.3
1975	12,531	29.5	12,498	29.4	*	*	*	*
1974	12,757	30.8	12,469	30.1	*	*	*	*
1973	11,556	28.7	11,491	28.6	338,062	840.6	8,782	21.8
1972	10,490	26.9	10,268	26.3	335,439	859.2	9,250	23.7
1971	9,606	25.3	9,480	25.0	317,651	836.8	8,199	21.6

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

YEAR	PNEUMONIAS (480-486)				INFLUENZA (487)			
	CASES		DEATHS		CASES		DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	275,513	433.1	36,705	57.7	462,915	727.6	496	0.8
1990	235,947	380.3	41,181	66.4	544,768	878.0	605	1.0
1989	232,056	386.1	43,268	72.0	773,802	1287.6	770	1.3
1988	201,902	343.8	47,444	80.8	576,404	981.6	791	1.3
1987	183,143	319.3	52,700	91.9	495,161	863.3	1,151	2.0
1986	190,208	339.6	50,621	90.4	397,715	710.2	1,221	2.2
1985	205,387	375.7	52,888	96.7	447,550	818.7	1,400	2.6
1984	193,594	363.9	45,971	86.4	453,926	853.4	1,150	2.2
1983	123,420	240.1	48,650	94.7	253,534	493.3	1,215	2.4
1982	106,563	207.5	45,373	88.3	226,237	440.5	1,297	2.5
1981	123,154	248.6	43,164	87.1	251,200	507.1	2,715	5.5
1980	117,270	242.7	45,209	93.6	202,884	419.9	1,913	4.0
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
1977	104,074	231.2	47,302	105.1	276,399	614.1	2,859	6.4
1976	111,767	255.5	47,105	107.7	263,118	601.4	2,781	6.4
1975	96,961	228.1	43,349	102.0	246,057	578.7	2,172	5.1
1974	93,050	224.4	45,910	110.7	297,474	717.5	2,945	7.1
1973	93,569	232.6	48,058	119.5	319,955	795.5	2,361	5.9
1972	95,717	245.2	48,831	125.1	395,185	1012.3	3,266	8.4
1971	87,953	231.7	40,526	106.8	193,910	510.8	1,814	4.8

**TYPHOID & PARATYPHOID & OTHER SAL. INF.**  
**MORBIDITY & MORTALITY TRENDS**  
Rate per 100,000 Pop., Phils., 1971-1991



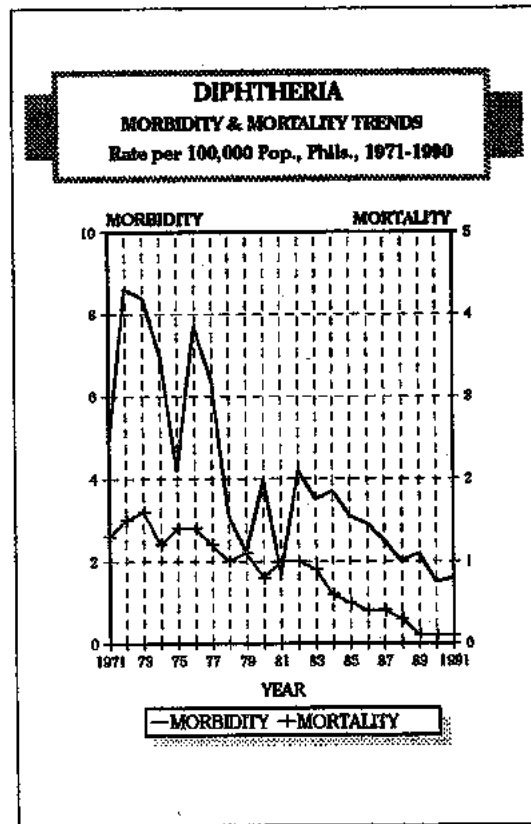
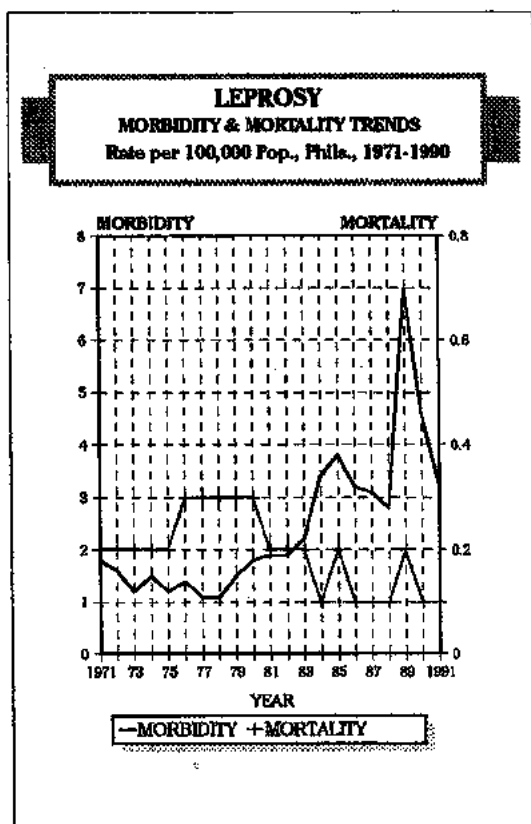
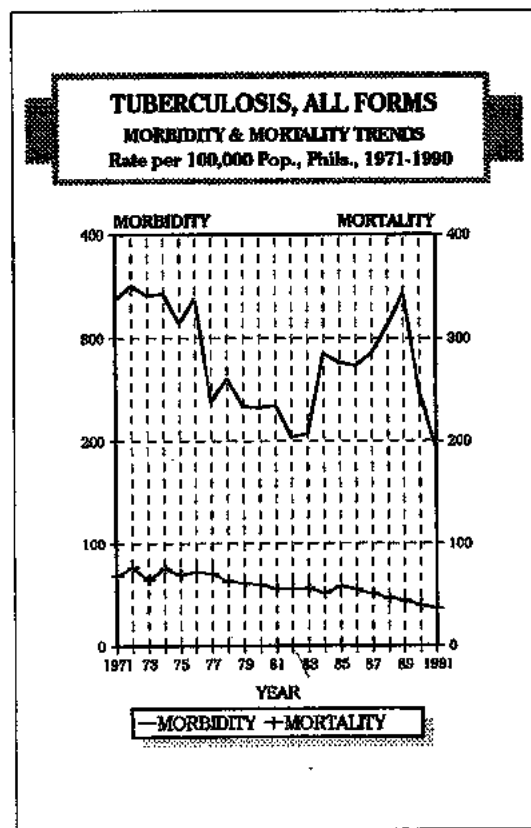
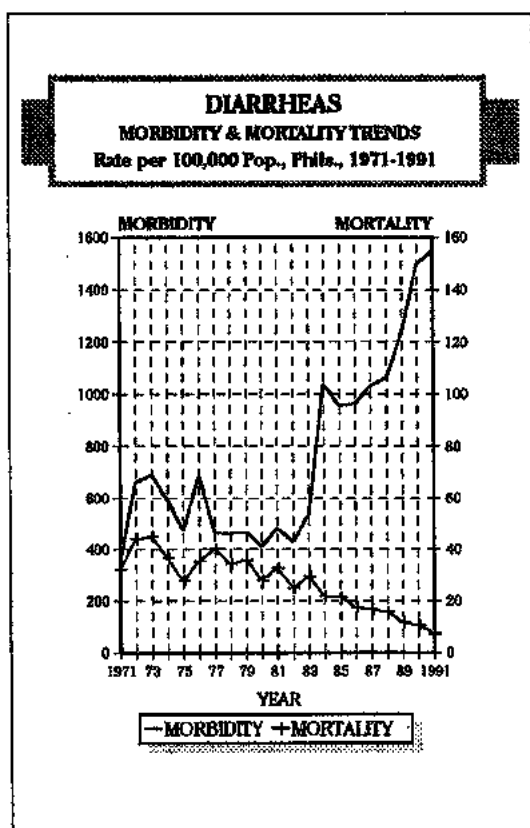


Fig. 12



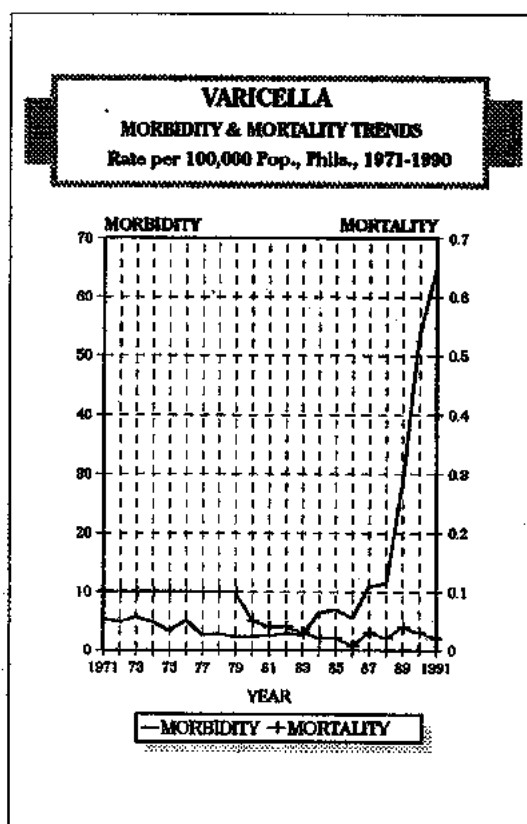
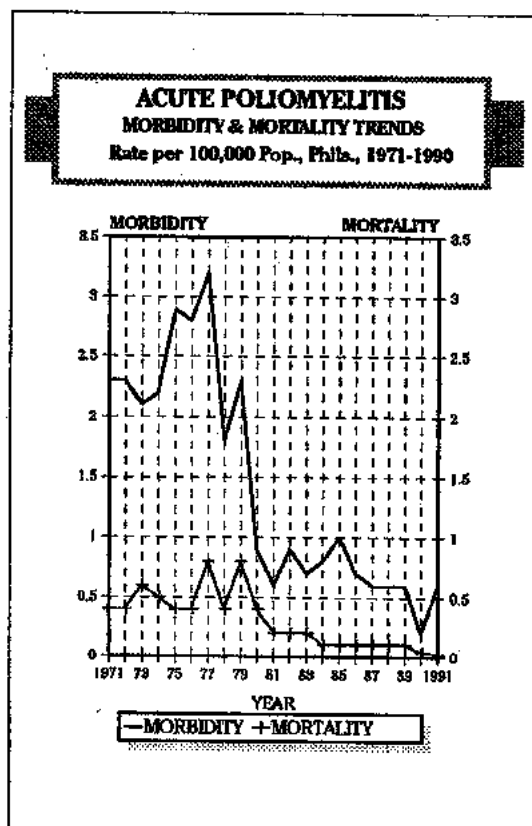
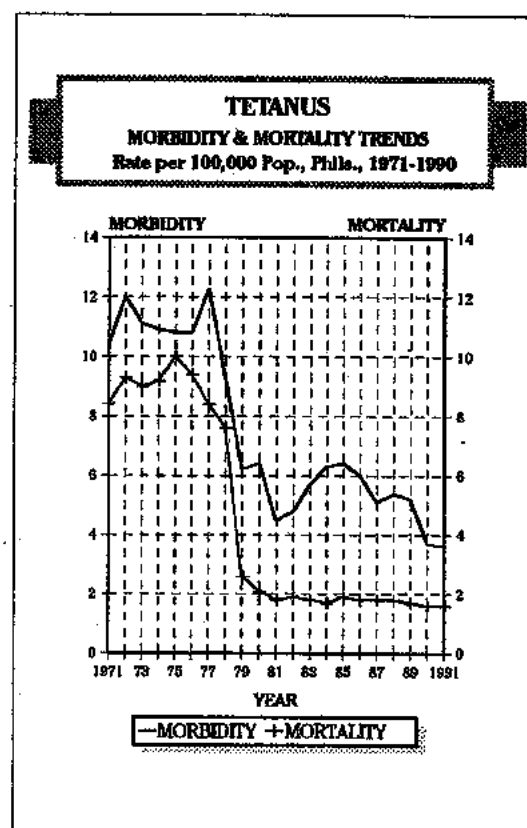
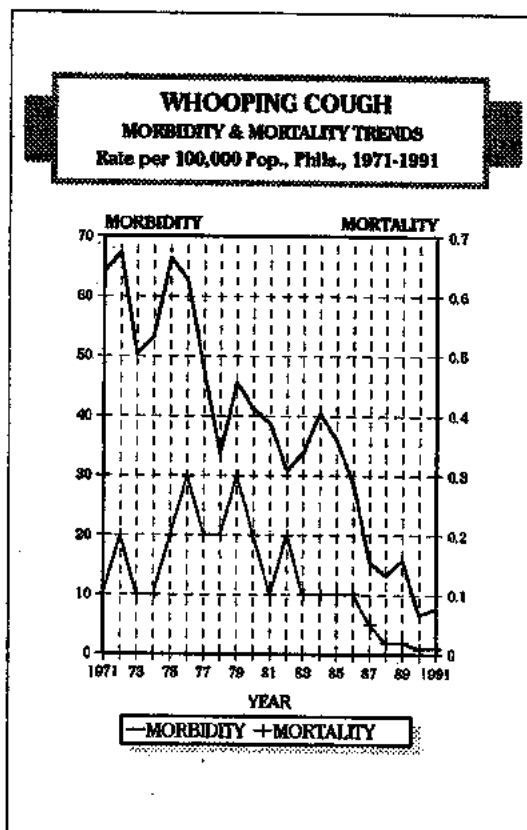
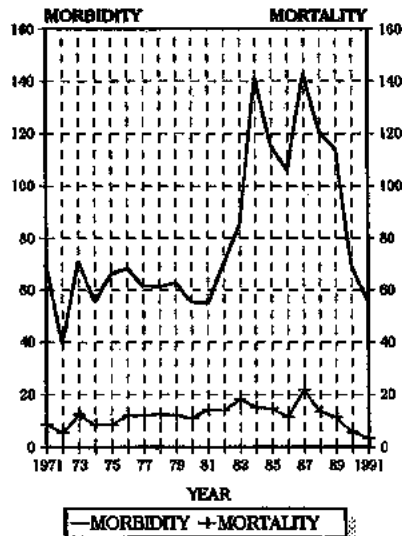


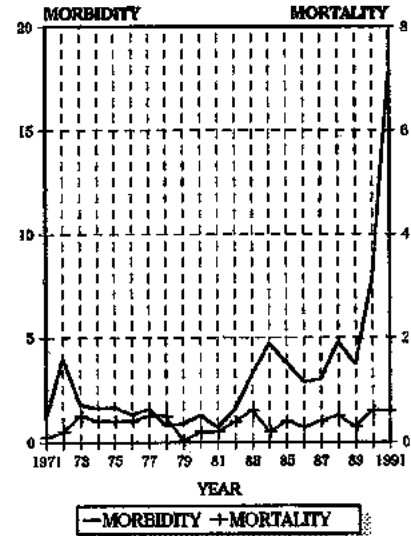
Fig. 13

**MEASLES**

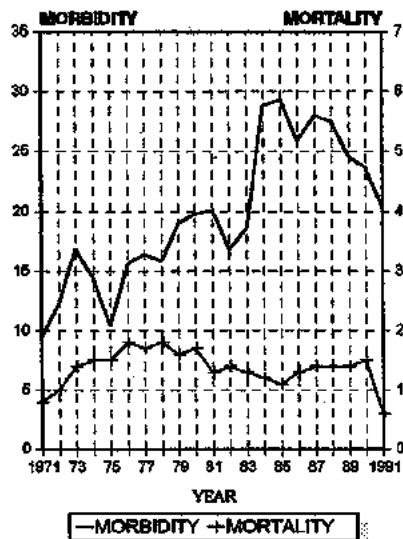
**MORBIDITY & MORTALITY TRENDS**  
Rate per 100,000 Pop., Phila., 1971-1991

**H-FEVER**

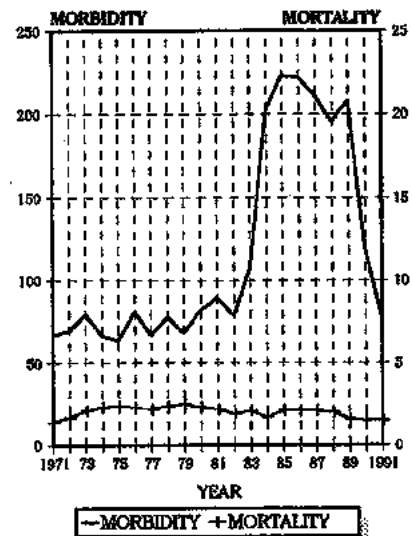
**MORBIDITY & MORTALITY TRENDS**  
Rate per 100,000 Pop., Phila., 1971-1990

**INFECTIOUS HEPATITIS**

**MORBIDITY & MORTALITY TRENDS**  
Rate per 100,000 Pop., Phila., 1971-1990

**MALARIA**

**MORBIDITY & MORTALITY TRENDS**  
Rate per 100,000 Pop., Phila., 1971-1990



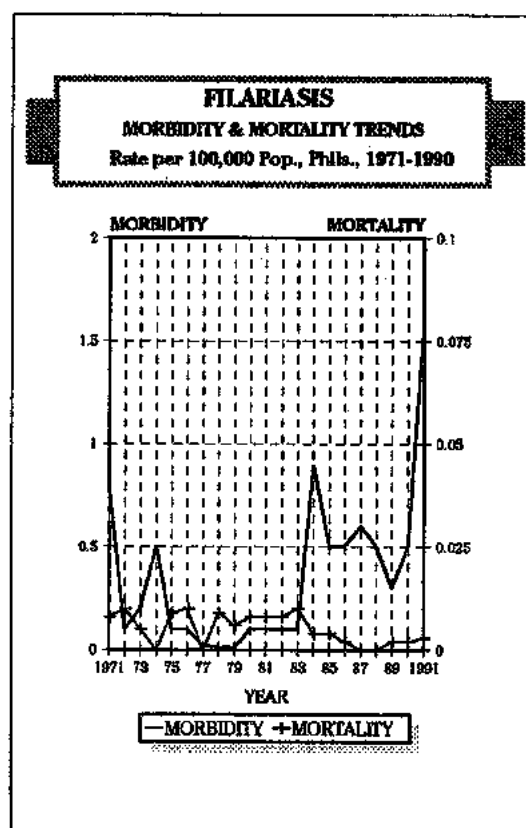
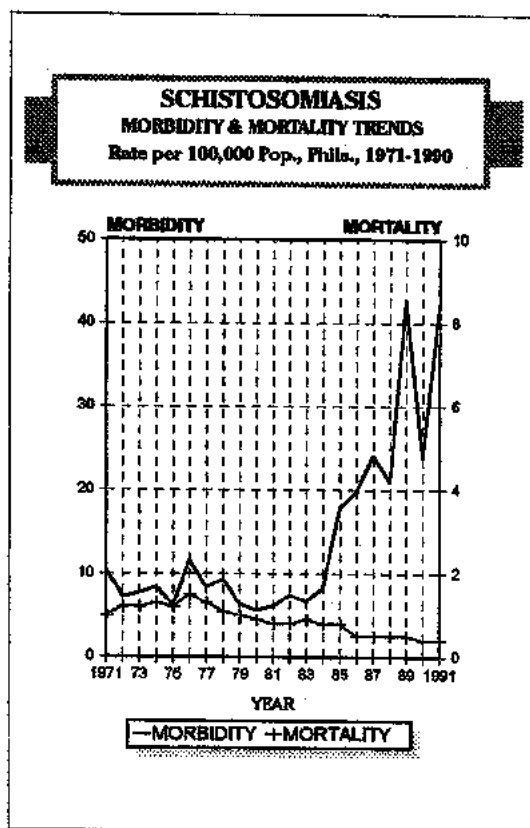
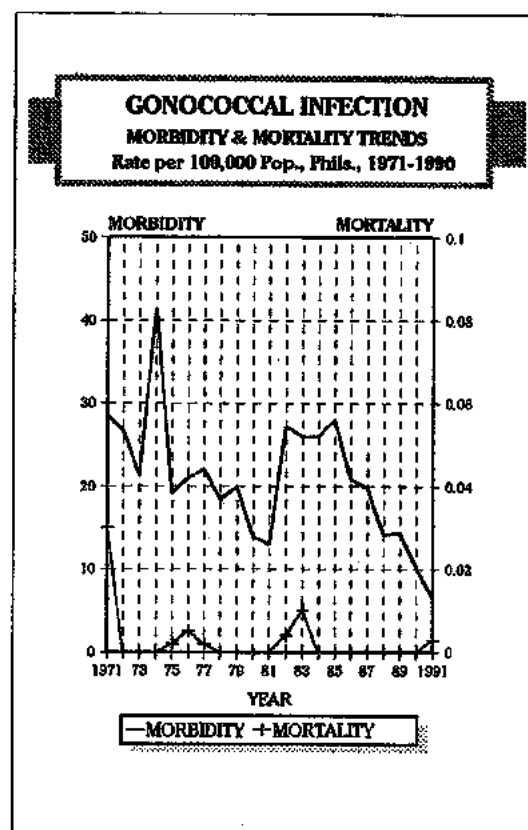
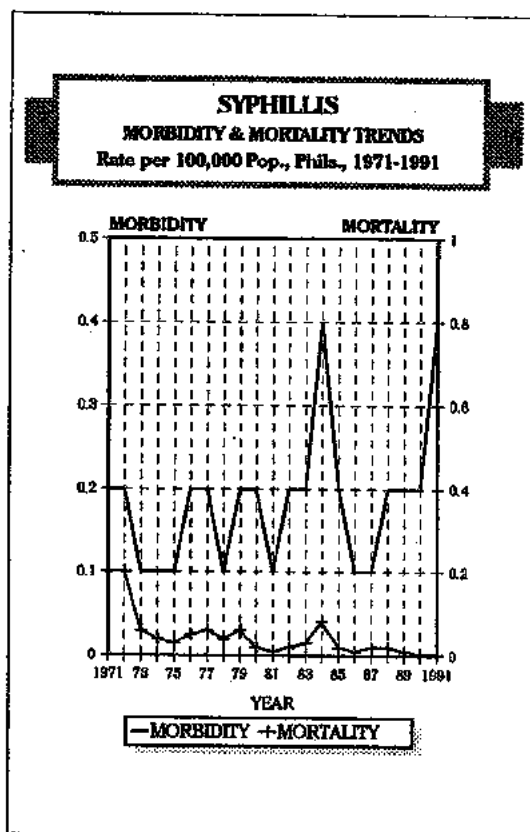


Fig 15

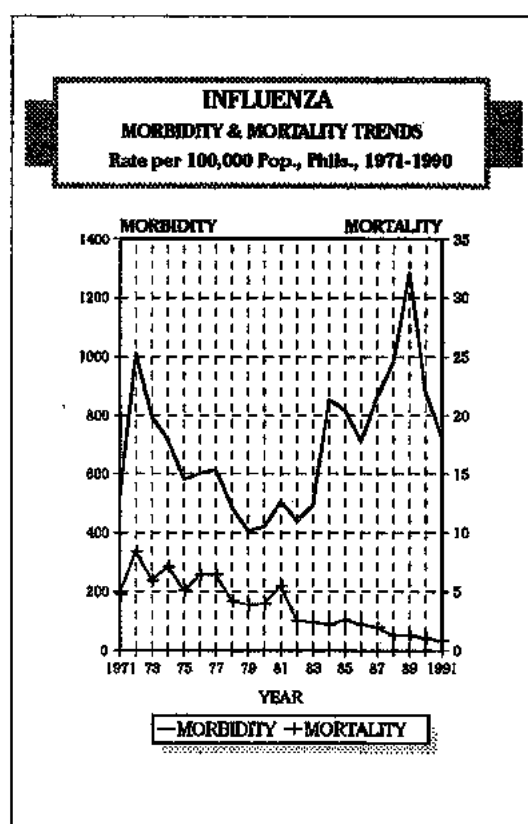
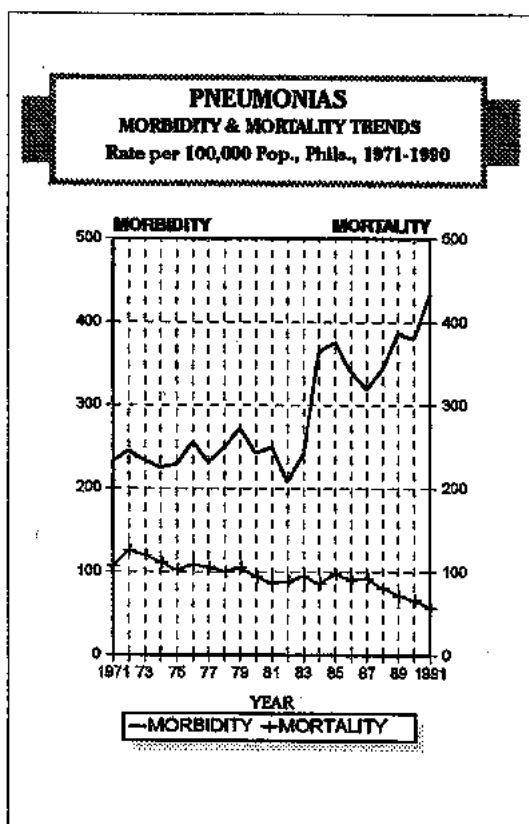
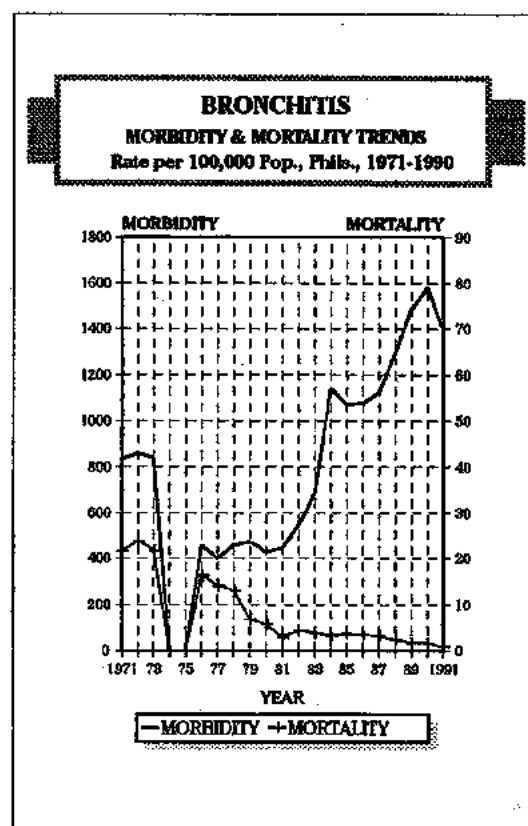
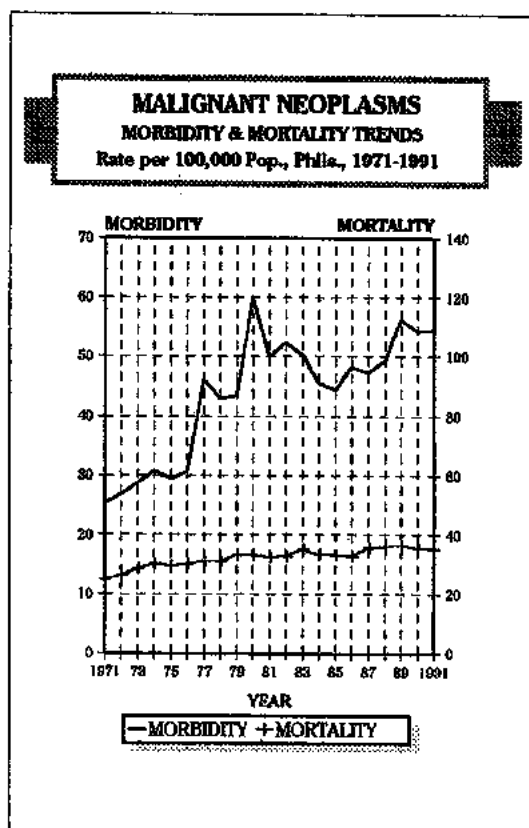


Fig. 16

## MORTALITY STATISTICS

Mortality refers to deaths as a component of population change. It is believed to reduce population than contribute to its growth. Demographic studies reveal that in countries undergoing rapid population increase, it is mainly 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 seventies to the early part of the eighties, thus attributing an increasing birth rate for the country's fast population growth.

The statistical information in this report is based on data compiled 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.

Total deaths registered for 1991 was 298,063 representing a crude death rate of 4.8 per 1,000 population which is lower than that of the previous year 1990 by 0.3 or 5.1%. The state of health is also of interest in the study of mortality. The ten (10) leading causes of deaths in 1991 are presented in Table 20. Since 1990, Diseases of the Heart came out to be the no. 1 cause of death. For 1991 there were 46,381 deaths from diseases of the heart representing 15.6% of total deaths. Pneumonia came second with 36,705 deaths representing 12.3% of total deaths. Also included in the top ten are Diseases of the Vascular System, Tuberculosis all forms, Malignant Neoplasms, Accidents Septicemia, Diarrheal Diseases, Nephritis, Nephrotic Syndrome and Nephrosis and lastly, Respiratory Conditions of Fetus and Newborn.

**GENERAL MORTALITY TRENDS** - Significant progress has been achieved in reducing mortality in the Philippines from 1981 to 1991. Life expectancy at birth rose from 61.9 in 1981 to 64.9 in 1991. Table 4 and Figure 4 show the trend of crude death rate for the country from 1981 to 1991. There is a marked decline in the rate from 6.1 to 4.7 per 1,000 population. The crude death rate in the country for the past 10 years is characterized by the general downward trend with slight troughs from 1938 to 1940 and 1950 to 1958. Death rates by age tend to be very high at infancy and early childhood, then decline sharply by age 10 years remaining low over a broad age range, then begin to climb at around age 40 years and accelerate beyond 50 years and over. Table 17 shows that there is a lesser chance of survival during infancy than in subsequent years of childhood and young adulthood. In 1991 a total of 34,332 deaths under 1 year of age was recorded accounting for 11.5% of the total deaths for the year. Age group 1-4 registered a 6.1% decline from the 7.6% in 1990. Death at the ages 70 years and over also figured prominently comprising 29.8 percent or a total of 887,723 deaths for 1991.

In 1991, there were 177,819 male deaths and 120,244 female deaths. these figures represent 59.7% and 40.3% of all deaths respectively. The mortality rate for males was 5.7 per 1,000 male population while that of female was 3.9 per 1,000 female population. The death sex ratio is 1.5 male death to 1.0 female death or there were 150 male deaths for every 100 female death.

## INFANT MORTALITY

The Infant Mortality Rate (IMR) specifically measures the risk of dying among infants less than one year of age. Data for 1991 showed that there were 34,332 registered deaths. Infant death was observed to be declining annually during the period 1981-1991 from a high 64,415 in 1984 to 34,332 in 1991. Likewise, pneumonia continued to be the leading cause of death among infants numbering 8,149 or 23.7 percent of the total deaths for the year.

The ten leading causes of death under 1 year are shown in Table 28. For the past several years, pneumonia caused the most number of infant deaths. There was a significant decrease in measles deaths with only 501 registered deaths representing 1.1% of infant deaths. The intensified immunization campaign of DOH could be a good reason for this decline in deaths caused by measles. Table 5 shows infant mortality rates for different health regions, provinces and cities. Region 8 had the highest rate of 24.6 per 1,000 livebirths while Region 12 had the lowest (11.5). Among the provinces, Sulu registered the highest infant death rate of 50.7 while North Cotabato reported the lowest rate of 0.5 per 1,000 livebirths which maybe due to under reporting. Of the cities, Tagaytay City had the highest rate of 70.4 per 1,000 livebirths while Bais City had the lowest rate of 9.1 per 1,000 livebirths.

**INFANT MORTALITY BY AGE** - Of the total 34,332 infant deaths registered in 1991, 17,068 deaths were under 28 days (Neonatal deaths) with a rate of 10.4 per 1,000 livebirths and 17,264 deaths were 28 days to under 1 year (post-neonatal deaths) with a rate of 10.5 per 1,000 livebirths. These represent 49.7% and 50.3% of the total infant deaths respectively. Deaths in the age group of 0-6 days (early neonatal) totalled 13,232 representing 77.5% of all neonatal deaths, while the age group 21-27 days recorded the least with 707 deaths representing 4.1% of all neonatal deaths. Of the post-neonatal deaths, those of age 28-59 days had the highest percentage (9.8%) of the total infant deaths. As in the past, there were more male deaths under 1 year of age than females. There were 20,087 male deaths as compared to 14,245 female deaths.

## MATERNAL MORTALITY

Maternal Mortality Rate (MMR) measures mortality among pregnant mothers especially within 42 weeks of termination of pregnancy except those from accidental or incidental causes. In 1991, there were 1,144 maternal deaths registered with a rate of 0.7 per 1,000 livebirths. This rate is slightly lower than that of the previous year (0.8).

**MATERNAL MORTALITY BY CAUSE** - The two major causes of maternal mortality are Post partum Hemorrhage and Hypertension complicating pregnancy, childbirth and puerperium with 386 representing 33.7% of all maternal deaths and 290 deaths representing 25.3% of all maternal deaths.

**TREND OF MATERNAL MORTALITY** - A declining trend in maternal mortality is noted from 1981-1991. The lowest rate recorded is 0.7 per 1,000 livebirths for 1991.

Table 5 shows that among the health regions, Region 8 registered the highest maternal mortality rate of 1.4 per 1,000 livebirths while the lowest were recorded in the National Capital Region (0.4) and Region 3 (0.4). Among the provinces, North Cotabato registered the lowest rate of 0.1 per 1,000 livebirths.

### FETAL DEATHS

Fetal Mortality Rate is a measure of the risk of foetal death or of foetal wastage. It includes abortions, miscarriages and stillbirths. Data for 1991 as shown in Table 35 reported 10,776 fetal deaths with a rate of 6.6 per 1,000 livebirths. The two major causes of reported fetal deaths are Complications of placenta cord and membranes with 2,307 fetal deaths and Disorders relating to short gestation with 1271 fetal deaths. These represent 21.4 percent and 11.8 percent of all fetal deaths respectively. Other and ill-defined conditions originating in the perinatal period registered 4,866 fetal deaths representing 45.2 percent of fetal deaths.

The highest number of fetal deaths was reported in the National Capital Region with 2,782 or 25.8 percent of all fetal mortality while CAR registered the lowest, 60 or 0.5 percent.

Table 31 presents fetal deaths by attendance, of the 10,776 fetal deaths, 6,935 were medically attended broken down as follows: by physicians 6,433 or 59.7%, by nurse 25 or 0.2%, by midwife 477 or 4.4%.

TABLE 17

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**MORTALITY: ALL CAUSES BY AGE & SEX**  
**No. & Rate/1,000 Pop. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AGE		MALE		FEMALE		TOTAL	
	Number	Rate	Number	Rate	Number	Rate	%
<u>ALL AGES</u>	<u>177,819</u>	<u>5.7</u>	<u>120,244</u>	<u>3.9</u>	<u>298,063</u>	<u>4.8</u>	<u>100.0</u>
Under 1 year	20,087	21.6	14,245	16.0	34,332	18.9	11.5
1 - 4 yrs.	9,857	2.9	8,212	2.5	18,069	2.7	6.1
5 - 9 yrs.	4,360	1.1	3,154	0.8	7,514	0.9	2.5
10 - 14 yrs.	2,867	0.8	2,206	0.6	5,073	0.7	1.7
15 - 19 yrs.	4,137	1.2	2,325	0.7	6,462	1.0	2.2
20 - 24 yrs.	6,964	2.3	2,747	1.0	9,711	1.7	3.3
25 - 29 yrs.	7,643	3.0	3,134	1.2	10,777	2.1	3.6
30 - 34 yrs.	7,657	3.5	3,358	1.4	11,015	2.5	3.7
35 - 39 yrs.	7,943	4.3	3,741	2.0	11,684	3.1	3.9
40 - 44 yrs.	8,150	5.5	3,813	2.6	11,963	4.1	4.0
45 - 49 yrs.	8,739	7.5	4,066	3.5	12,805	5.5	4.3
50 - 54 yrs.	9,996	10.4	5,063	5.2	15,059	7.8	5.1
55 - 59 yrs.	10,834	14.5	5,516	7.1	16,350	10.7	5.5
60 - 64 yrs.	11,966	20.8	6,878	11.1	18,844	15.7	6.3
65 - 69 yrs.	11,862	28.2	7,805	16.5	19,667	22.0	6.6
70 yrs. & Over	44,745	68.7	43,978	58.8	88,723	63.4	29.8
Not Stated	12	0.003	3	0.001	15	0.002	0.005



# MORTALITY: ALL CAUSES BY AGE

Rate per 1,000 Population

PHILIPPINES, 1991

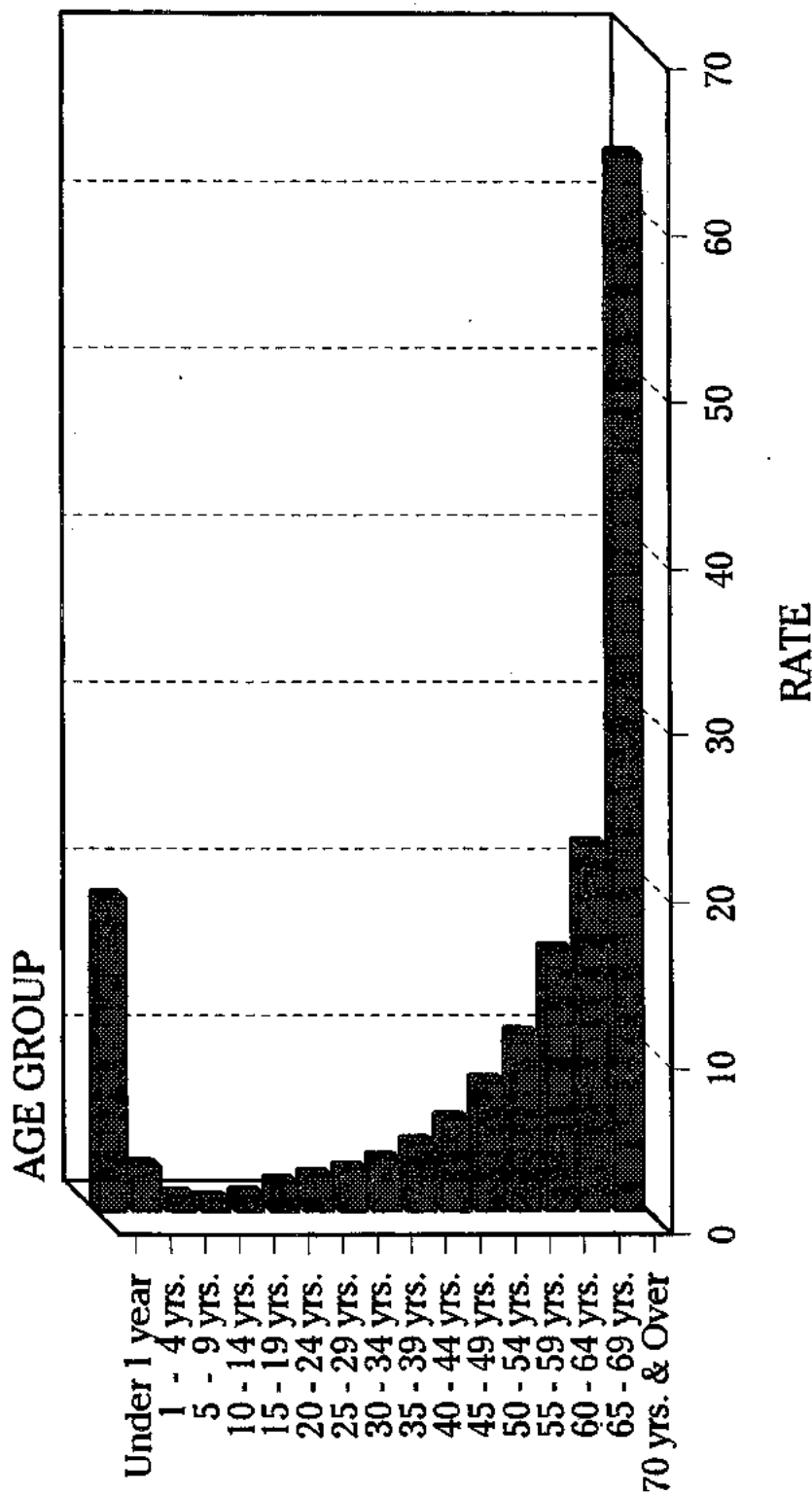


Fig. 17

TABLE 18

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**MORTALITY: ALL CAUSES BY SEX & HEALTH REGION**  
**No. & Rate/1,000 Pop. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AREA	NUMBER OF DEATHS			RATE	% OF TOTAL DEATHS
	MALE	FEMALE	BOTH SEXES		
PHILIPPINES	177,819	120,244	298,063	4.7	100.0
NAT. CAP. REGION	30,678	19,965	50,643	6.1	17.0
C.A.R.	2,496	1,429	3,925	3.3	1.3
REGION 1	13,105	10,122	23,227	6.2	7.8
REGION 2	7,117	4,532	11,649	4.8	3.9
REGION 3	17,937	12,704	30,641	4.7	10.3
REGION 4	24,396	16,412	40,808	4.7	13.7
REGION 5	12,627	8,790	21,417	5.3	7.2
REGION 6	17,658	12,032	29,690	5.3	10.0
REGION 7	14,082	10,795	24,877	5.2	8.3
REGION 8	8,859	6,502	15,361	4.9	5.2
REGION 9	5,028	2,927	7,955	2.4	2.7
REGION 10	9,115	5,812	14,927	4.1	5.0
REGION 11	10,994	6,346	17,340	3.7	5.8
REGION 12	3,727	1,876	5,603	1.6	1.9

**MORTALITY: ALL CAUSES BY HEALTH REGION  
PERCENTAGE DISTRIBUTION  
PHILIPPINES, 1991**

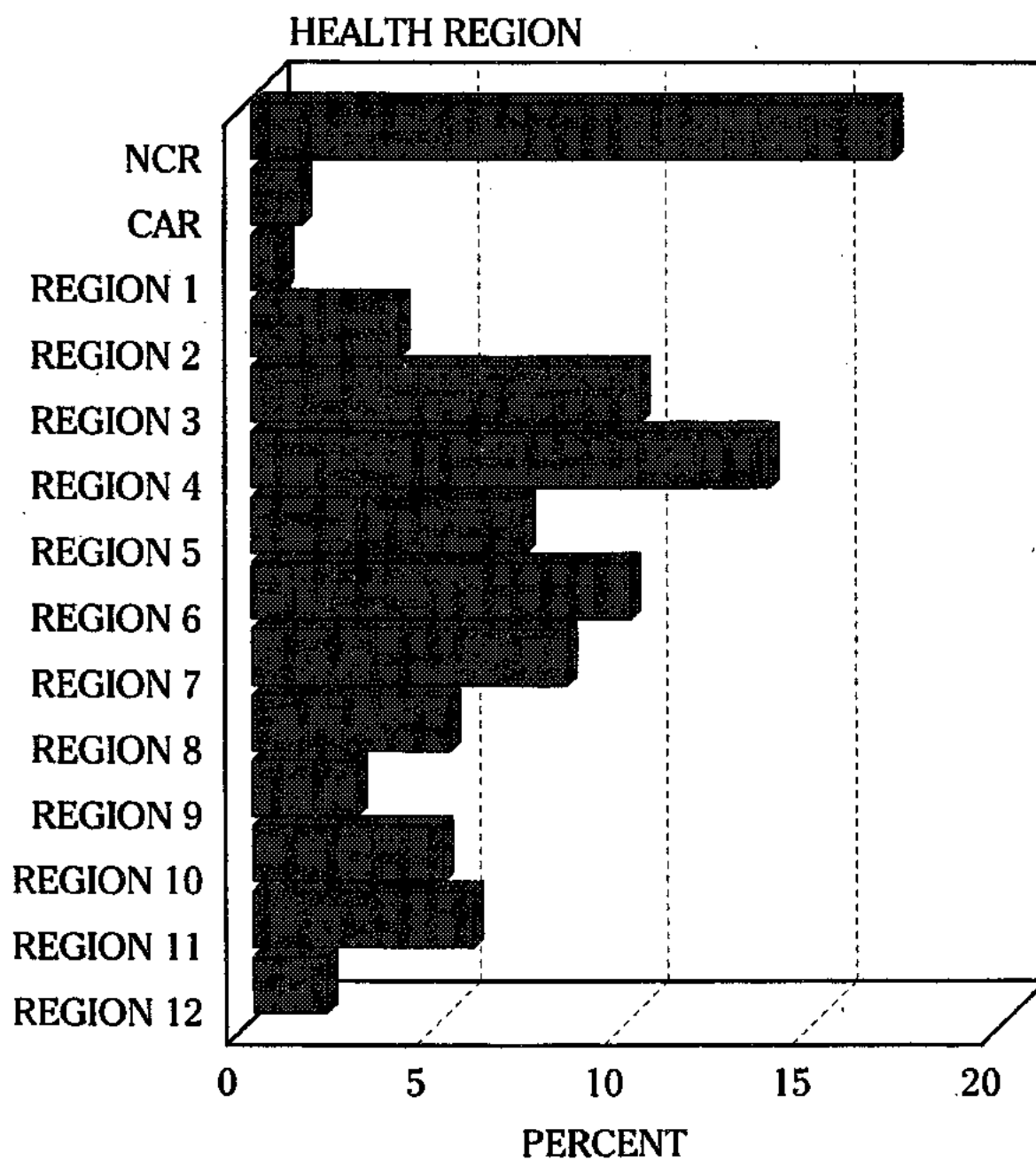


Fig. 18

TABLE 19

**MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION**

No. &amp; Percentage Distribution

**PHILIPPINES**

1991

AGE GROUP	NATIONAL CAPITAL REGION (METRO MANILA)			
	MALE	FEMALE	BOTH SEXES	PERCENT
<b>ALL AGES</b>	<b>30,678</b>	<b>19,965</b>	<b>50,643</b>	<b>100.0</b>
Under 1 year	4,235	3,013	7,248	14.3
1 - 4 yrs.	1,559	1,315	2,874	5.7
5 - 9 yrs.	548	439	987	1.9
10 - 14 yrs.	358	261	619	1.2
15 - 19 yrs.	678	383	1,061	2.1
20 - 24 yrs.	1,490	501	1,991	3.9
25 - 29 yrs.	1,641	598	2,239	4.4
30 - 34 yrs.	1,573	603	2,176	4.3
35 - 39 yrs.	1,584	683	2,267	4.5
40 - 44 yrs.	1,558	717	2,275	4.5
45 - 49 yrs.	1,572	754	2,326	4.6
50 - 54 yrs.	1,774	910	2,684	5.3
55 - 59 yrs.	1,875	1,022	2,897	5.7
60 - 64 yrs.	2,188	1,192	3,380	6.7
65 - 69 yrs.	2,092	1,386	3,478	6.9
70 yrs. & Over	5,952	6,188	12,140	24.0
Not Stated	1	0	1	0.002

AGE GROUP	CORDILLERA AUTONOMOUS REGION (C.A.R.)			
	MALE	FEMALE	BOTH SEXES	PERCENT
<b>ALL AGES</b>	<b>2,496</b>	<b>1,429</b>	<b>3,925</b>	<b>100.0</b>
Under 1 year	242	164	406	10.3
1 - 4 yrs.	83	60	143	3.6
5 - 9 yrs.	44	27	71	1.8
10 - 14 yrs.	44	35	79	2.0
15 - 19 yrs.	72	40	112	2.9
20 - 24 yrs.	152	37	189	4.8
25 - 29 yrs.	154	40	194	4.9
30 - 34 yrs.	136	40	176	4.5
35 - 39 yrs.	120	55	175	4.5
40 - 44 yrs.	110	46	156	4.0
45 - 49 yrs.	124	47	171	4.4
50 - 54 yrs.	139	64	203	5.2
55 - 59 yrs.	132	77	209	5.3
60 - 64 yrs.	179	84	263	6.7
65 - 69 yrs.	154	102	256	6.5
70 yrs. & Over	610	511	1,121	28.6
Not Stated	1	0	1	0.03

TABLE 19

**MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AGE GROUP	REGION 1 CAGAYAN VALLEY				REGION 2 CAGAYAN VALLEY			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
<b>ALL AGES</b>	<b>13,105</b>	<b>10,122</b>	<b>23,227</b>	<b>100.0</b>	<b>7,117</b>	<b>4,532</b>	<b>11,649</b>	<b>100.0</b>
Under 1 year	1,485	991	2,476	10.7	926	617	1,543	13.2
1 - 4 yrs.	575	468	1,043	4.5	370	294	664	5.7
5 - 9 yrs.	260	211	471	2.0	168	118	286	2.5
10 - 14 yrs.	183	150	333	1.4	134	109	243	2.1
15 - 19 yrs.	245	138	383	1.6	170	95	265	2.3
20 - 24 yrs.	369	149	518	2.2	292	120	412	3.5
25 - 29 yrs.	433	195	628	2.7	327	133	460	3.9
30 - 34 yrs.	466	203	669	2.9	297	139	436	3.7
35 - 39 yrs.	468	245	713	3.1	318	145	463	4.0
40 - 44 yrs.	555	310	865	3.7	334	155	489	4.2
45 - 49 yrs.	644	306	950	4.1	337	127	464	4.0
50 - 54 yrs.	732	350	1,082	4.7	418	207	625	5.4
55 - 59 yrs.	777	335	1,112	4.8	427	223	650	5.6
60 - 64 yrs.	809	528	1,337	5.8	457	246	703	6.0
65 - 69 yrs.	854	608	1,462	6.3	479	275	754	6.5
70 yrs. & Over	4,250	4,935	9,185	39.5	1,662	1,529	3,191	27.4
Not Stated	0	0	0	0.0	1	0	1	0.01

AGE GROUP	REGION 3 CENTRAL LUZON				REGION 4 SOUTHERN TAGALOG			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
<b>ALL AGES</b>	<b>17,937</b>	<b>12,704</b>	<b>30,641</b>	<b>100.0</b>	<b>24,396</b>	<b>16,412</b>	<b>40,808</b>	<b>100.0</b>
Under 1 year	1,758	1,332	3,090	10.1	2,946	2,083	5,029	12.3
1 - 4 yrs.	852	748	1,600	5.2	1,440	1,187	2,627	6.4
5 - 9 yrs.	346	279	625	2.0	620	437	1,057	2.6
10 - 14 yrs.	271	215	486	1.6	354	287	641	1.6
15 - 19 yrs.	390	204	594	1.9	522	314	836	2.0
20 - 24 yrs.	603	275	878	2.9	941	385	1,326	3.2
25 - 29 yrs.	717	304	1,021	3.3	964	399	1,363	3.3
30 - 34 yrs.	634	328	962	3.1	1,011	447	1,458	3.6
35 - 39 yrs.	668	389	1,057	3.4	1,083	501	1,584	3.9
40 - 44 yrs.	793	393	1,186	3.9	1,112	462	1,574	3.9
45 - 49 yrs.	850	461	1,311	4.3	1,156	553	1,709	4.2
50 - 54 yrs.	1,024	550	1,574	5.1	1,429	673	2,102	5.2
55 - 59 yrs.	1,180	625	1,805	5.9	1,537	729	2,266	5.6
60 - 64 yrs.	1,364	730	2,094	6.8	1,682	863	2,545	6.2
65 - 69 yrs.	1,368	829	2,197	7.2	1,620	1,089	2,709	6.6
70 yrs. & Over	5,118	5,041	10,159	33.2	5,978	6,002	11,980	29.4
Not Stated	1	1	2	0.01	1	1	2	0.005

TABLE 19

**MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AGE & SEX GROUP	REGION I NCR REGION				REGION 3 WESTERN VISAYAS			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
<b>ALL AGES</b>	<b>12,627</b>	<b>8,790</b>	<b>21,417</b>	<b>100.0</b>	<b>17,658</b>	<b>12,032</b>	<b>29,690</b>	<b>100.0</b>
Under 1 year	1,471	1,009	2,480	11.6	1,581	1,093	2,674	9.0
1 - 4 yrs.	1,057	968	2,025	9.5	870	653	1,523	5.1
5 - 9 yrs.	430	304	734	3.4	421	295	716	2.4
10 - 14 yrs.	256	197	453	2.1	275	224	499	1.7
15 - 19 yrs.	306	212	518	2.4	426	213	639	2.2
20 - 24 yrs.	413	204	617	2.9	637	226	863	2.9
25 - 29 yrs.	450	212	662	3.1	713	299	1,012	3.4
30 - 34 yrs.	459	238	697	3.3	734	294	1,028	3.5
35 - 39 yrs.	450	253	703	3.3	779	333	1,112	3.7
40 - 44 yrs.	458	231	689	3.2	800	349	1,149	3.9
45 - 49 yrs.	589	263	852	4.0	863	391	1,254	4.2
50 - 54 yrs.	667	316	983	4.6	1,028	517	1,545	5.2
55 - 59 yrs.	703	362	1,065	5.0	1,091	539	1,630	5.5
60 - 64 yrs.	829	458	1,287	6.0	1,146	700	1,846	6.2
65 - 69 yrs.	840	524	1,364	6.4	1,162	790	1,952	6.6
70 yrs. & Over	3,249	3,039	6,288	29.4	5,132	5,116	10,248	34.5
Not Stated	0	0	0	0.0	0	0	0	0.0

AGE & SEX GROUP	REGION 4 CENTRAL VISAYAS				REGION 5 EASTERN VISAYAS			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
<b>ALL AGES</b>	<b>14,082</b>	<b>10,795</b>	<b>24,877</b>	<b>100.0</b>	<b>8,859</b>	<b>6,502</b>	<b>15,361</b>	<b>100.0</b>
Under 1 year	1,590	1,190	2,780	11.2	799	602	1,401	9.1
1 - 4 yrs.	710	597	1,307	5.3	668	564	1,232	8.0
5 - 9 yrs.	320	198	518	2.1	359	280	639	4.2
10 - 14 yrs.	223	165	388	1.6	206	190	396	2.6
15 - 19 yrs.	320	166	486	2.0	246	147	393	2.6
20 - 24 yrs.	484	195	679	2.7	309	166	475	3.1
25 - 29 yrs.	449	235	684	2.7	372	169	541	3.5
30 - 34 yrs.	488	254	742	3.0	343	193	536	3.5
35 - 39 yrs.	481	302	783	3.1	340	194	534	3.5
40 - 44 yrs.	555	348	903	3.6	342	191	533	3.5
45 - 49 yrs.	639	335	974	3.9	407	214	621	4.0
50 - 54 yrs.	724	454	1,178	4.7	428	260	688	4.5
55 - 59 yrs.	797	500	1,297	5.2	505	285	790	5.1
60 - 64 yrs.	928	661	1,589	6.4	582	404	986	6.4
65 - 69 yrs.	962	722	1,684	6.8	632	422	1,054	6.9
70 yrs. & Over	4,409	4,472	8,881	35.7	2,320	2,221	4,541	29.6
Not Stated	3	1	4	0.02	1	0	1	0.01

TABLE 19

**MORTALITY: ALL CAUSES BY AGE & SEX & HEALTH REGION**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AGE GROUP	REGION 1 NORTHERN MINDANAO				REGION 10 NORTHERN MINDANAO			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
<b>ALL AGES</b>	<b>5,028</b>	<b>2,927</b>	<b>7,955</b>	<b>100.0</b>	<b>9,115</b>	<b>5,812</b>	<b>14,927</b>	<b>100.0</b>
Under 1 year	623	439	1,062	13.4	1,032	711	1,743	11.7
1 - 4 yrs.	297	250	547	6.9	541	487	1,028	6.9
5 - 9 yrs.	166	106	272	3.4	309	201	510	3.4
10 - 14 yrs.	116	68	184	2.3	193	119	312	2.1
15 - 19 yrs.	133	75	208	2.6	239	118	357	2.4
20 - 24 yrs.	213	81	294	3.7	367	140	507	3.4
25 - 29 yrs.	258	104	362	4.6	416	171	587	3.9
30 - 34 yrs.	291	108	399	5.0	409	206	615	4.1
35 - 39 yrs.	288	127	415	5.2	480	200	680	4.6
40 - 44 yrs.	253	101	354	4.5	471	182	653	4.4
45 - 49 yrs.	242	97	339	4.3	459	193	652	4.4
50 - 54 yrs.	273	129	402	5.1	485	251	736	4.9
55 - 59 yrs.	305	134	439	5.5	563	293	856	5.7
60 - 64 yrs.	297	174	471	5.9	540	357	897	6.0
65 - 69 yrs.	268	165	433	5.4	542	376	918	6.1
70 yrs. & Over	1,005	769	1,774	22.3	2,069	1,807	3,876	26.0
Not Stated	0	0	0	0.0	0	0	0	0.0

AGE GROUP	REGION 11 SOUTHERN MINDANAO				REGION 2 CENTRAL MINDANAO			
	MALE	FEMALE	BOTH SEXES	%	MALE	FEMALE	BOTH SEXES	%
<b>ALL AGES</b>	<b>10,994</b>	<b>6,346</b>	<b>17,340</b>	<b>100.0</b>	<b>3,727</b>	<b>1,876</b>	<b>5,603</b>	<b>100.0</b>
Under 1 year	1,068	763	1,831	10.6	331	238	569	10.2
1 - 4 yrs.	616	435	1,051	6.1	219	186	405	7.2
5 - 9 yrs.	266	185	451	2.6	103	74	177	3.2
10 - 14 yrs.	196	134	330	1.9	58	52	110	2.0
15 - 19 yrs.	287	178	465	2.7	103	42	145	2.6
20 - 24 yrs.	554	218	772	4.5	140	50	190	3.4
25 - 29 yrs.	571	214	785	4.5	178	61	239	4.3
30 - 34 yrs.	582	238	820	4.7	234	67	301	5.4
35 - 39 yrs.	579	241	820	4.7	305	73	378	6.7
40 - 44 yrs.	554	263	817	4.7	255	65	320	5.7
45 - 49 yrs.	598	258	856	4.9	259	67	326	5.8
50 - 54 yrs.	622	299	921	5.3	253	83	336	6.0
55 - 59 yrs.	716	297	1,013	5.8	226	95	321	5.7
60 - 64 yrs.	737	374	1,111	6.4	228	107	335	6.0
65 - 69 yrs.	690	406	1,096	6.3	199	111	310	5.5
70 yrs. & Over	2,355	1,843	4,198	24.2	636	505	1,141	20.4
Not Stated	3	0	3	0.2	0	0	0	0.0

TABLE 20

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**MORTALITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**5-YEAR AVERAGE (1986-1990) & 1991**

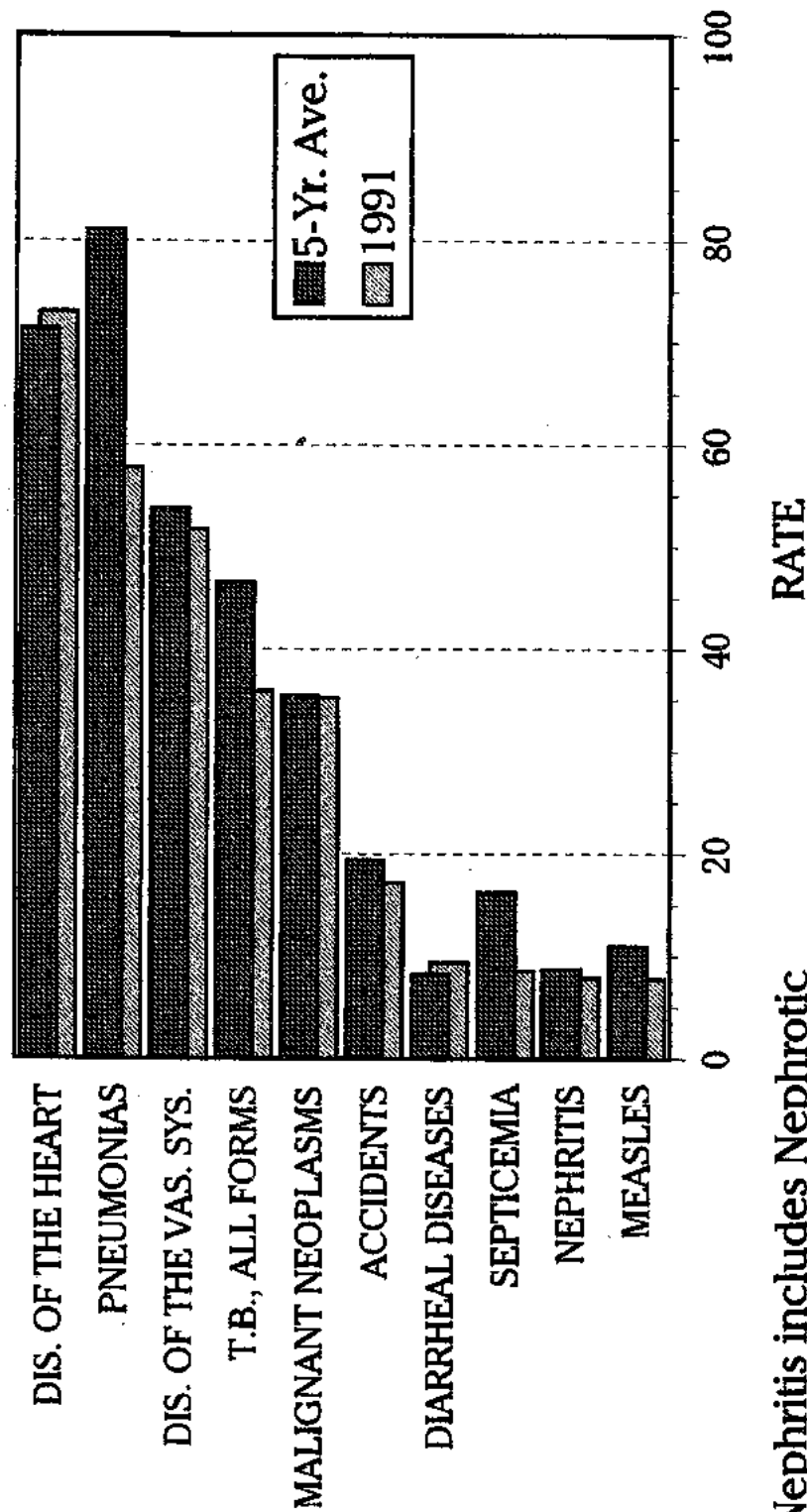
CAUSE	5-Year Average (1986-1990)		1991	
	NUMBER	RATE	NUMBER	RATE
		% OF TOTAL DEATHS		% OF TOTAL DEATHS
1. DISEASES OF THE HEART (390-398;402-404;410-429)	41,939	71.3	46,381	72.9
2. PNEUMONIAS (480-486)	47,655	81.0	36,705	57.7
3. DISEASES OF THE VASCULAR SYSTEM (401;403;405;430-438; 440-448;451-459)	31,647	53.8	32,981	51.8
4. TUBERCULOSIS, ALL FORMS (010-018;137)	27,386	46.5	22,814	35.9
5. MALIGNANT NEOPLASMS (140-239)	20,812	35.4	22,384	35.2
6. ACCIDENTS (800-999;E800-E949)	11,438	19.4	10,961	17.2
7. SEPTICEMIA (038)	4,868	8.3	5,992	9.4
8. DIARRHEAL DISEASES (001-009)	9,512	16.2	5,497	8.6
9. NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (580-589)	5,123	8.7	5,024	7.9
10. RESPIRATORY CONDITIONS OF FETUS & NEWBORN (769-771)	6,478	11.0	4,973	7.8
				1.7



# MORTALITY: TEN (10) LEADING CAUSES

Rate per 100,000 Population

Phils., 5-Yr. Ave.(1986-1990) & 1991

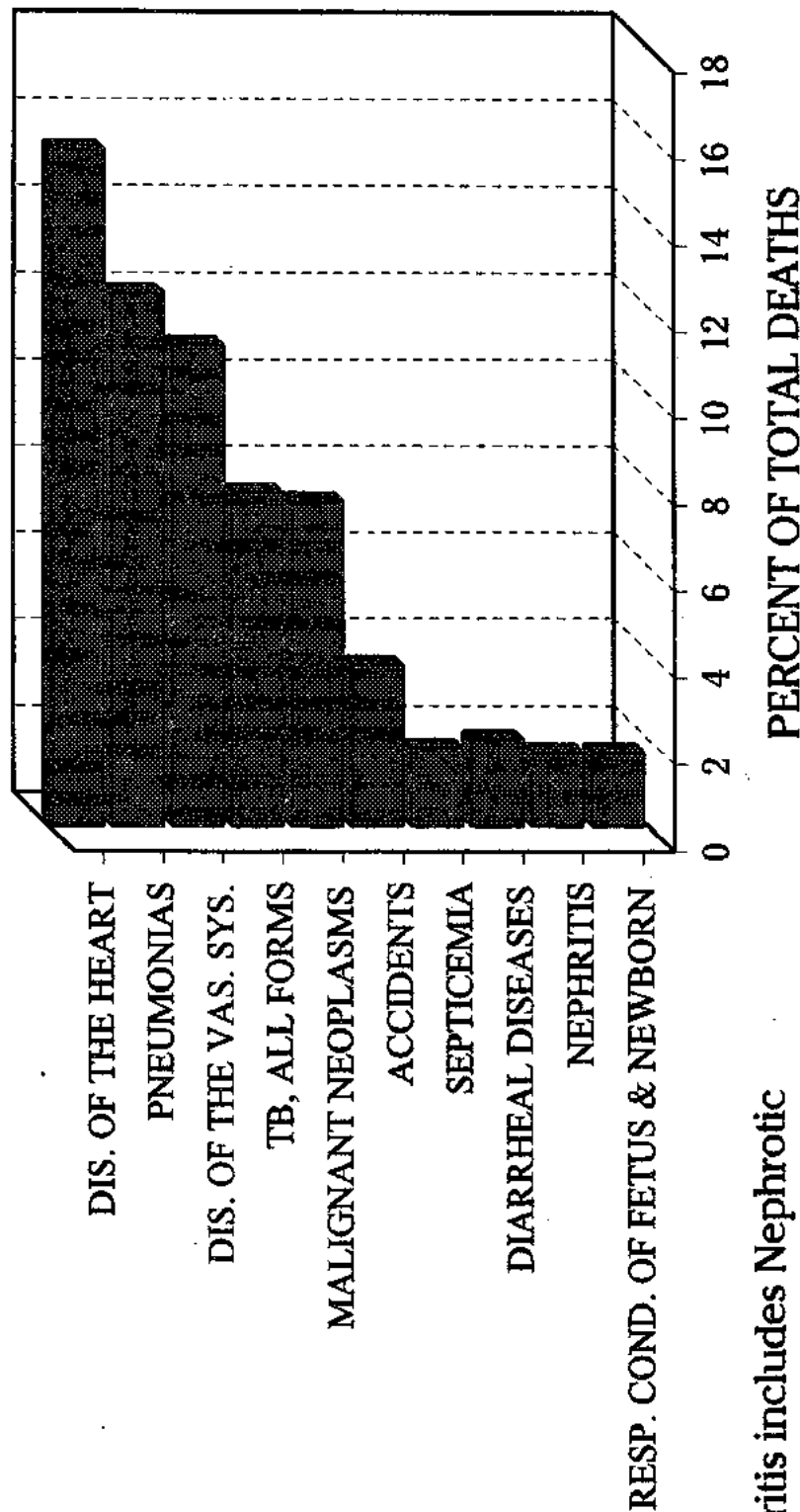


Nephritis includes Nephrotic Syndrome and Nephrosis

Fig. 19

# TOTAL MORTALITY: TEN (10) LEADING CAUSES PERCENTAGE DISTRIBUTION

PHILIPPINES, 1991



Nephritis includes Nephrotic Syndrome and Nephrosis

Fig. 20

TABLE 21

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**MORTALITY: TEN (10) LEADING CAUSES BY ATTENDANCE**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

CAUSE	TOTAL		ATTENDANCE		
	DEATHS	NUMBER	ATTENDED	NOT ATTENDED	
			PERCENT	NUMBER	PERCENT
1. DISEASES OF THE HEART	46,381	18,726	40.4	27,655	59.6
2. PNEUMONIAS	36,705	12,611	34.4	24,094	65.6
3. DISEASES OF THE VASCULAR SYSTEM	32,981	13,046	39.6	19,935	60.4
4. TUBERCULOSIS, ALL FORMS	22,814	9,002	39.5	13,812	60.5
5. MALIGNANT NEOPLASMS	22,384	9,626	43.0	12,758	57.0
6. ACCIDENTS	10,961	3,812	34.8	7,149	65.2
7. SEPTICEMIA	5,992	3,875	64.7	2,117	35.3
8. DIARRHEAL DISEASES	5,497	2,603	47.4	2,894	52.6
9. NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	5,024	2,320	46.2	2,704	53.8
10. RESPIRATORY CONDITIONS OF FETUS & NEWBORN	4,973	2,827	56.8	2,146	43.2

# **MORTALITY: LEADING CAUSES BY ATTENDANCE PERCENT DISTRIBUTION PHILIPPINES, 1991**

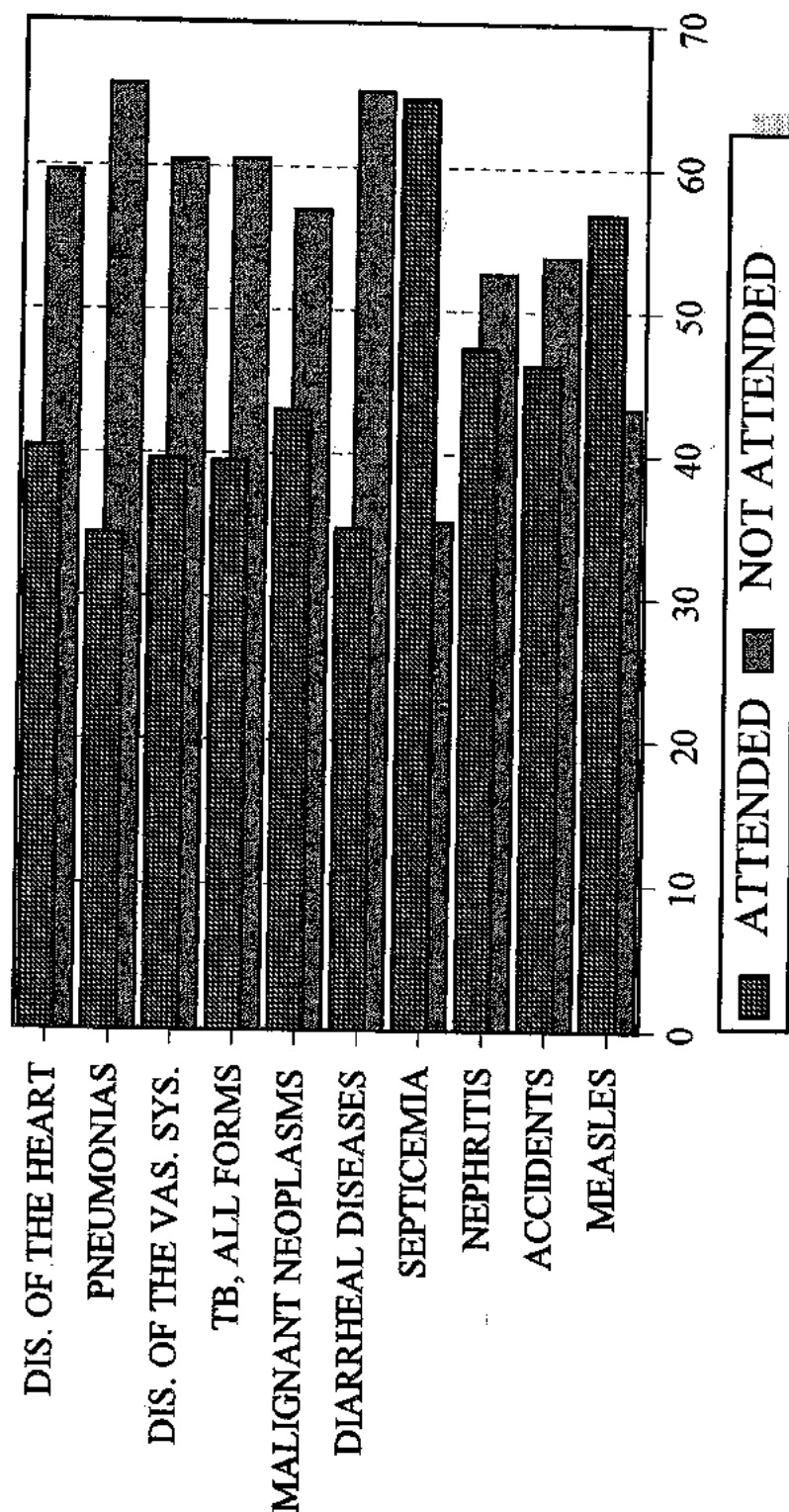
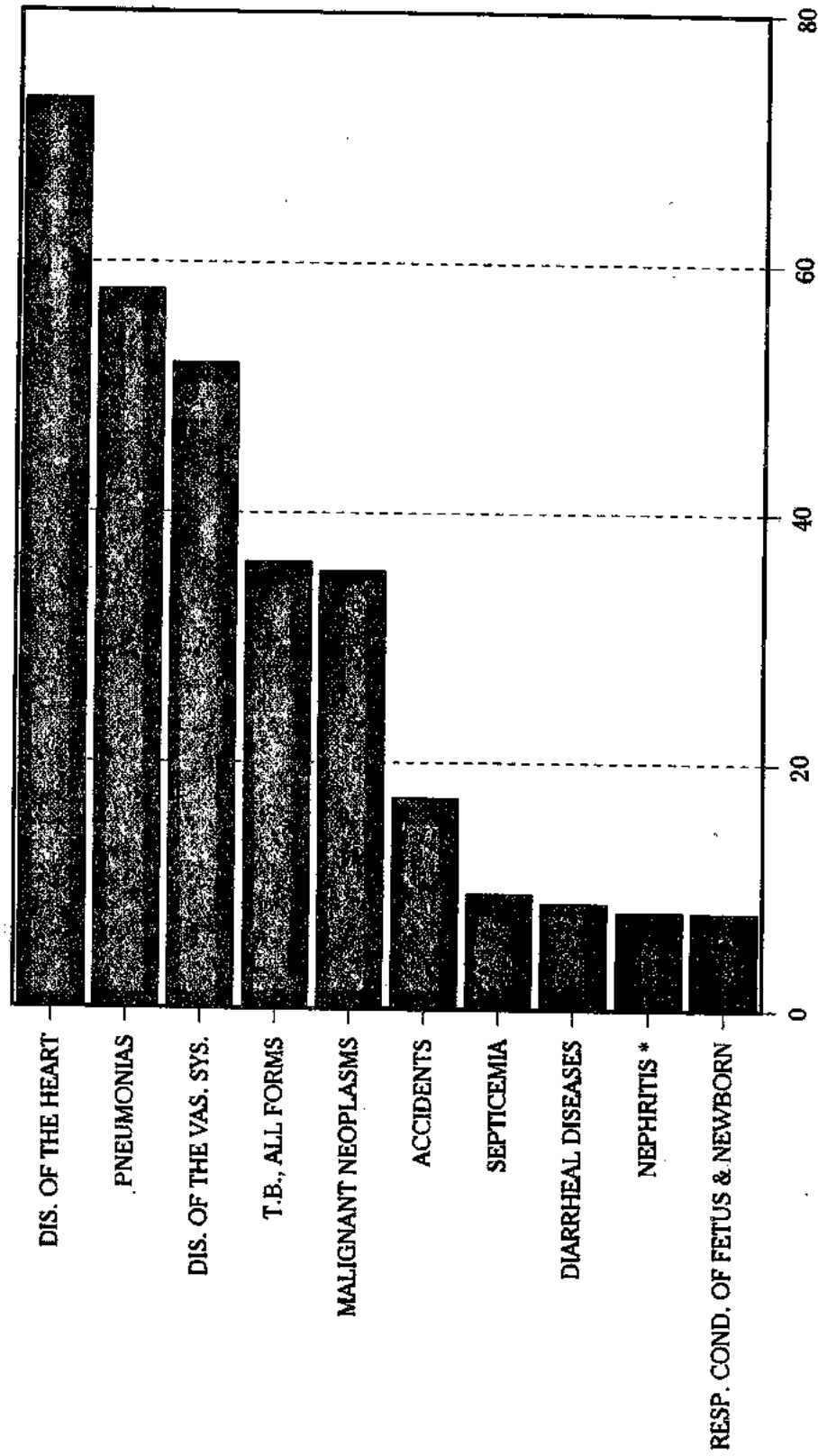


Fig. 21

# MORTALITY LEADING CAUSES

## RATE PER 100,000 POPULATION

### PHILIPPINES, 1991



\* INCLUDES NEPHROTIC SYND. & NEPHROSIS

Fig. 23

TABLE 22

**MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AREA	TOTAL DEATHS	ATTENDANCE			
		NUMBER	PERCENT	NUMBER	PERCENT
<b>PHILIPPINES</b>	<b>298,063</b>	<b>120,729</b>	<b>40.5</b>	<b>177,334</b>	<b>59.5</b>
<b>NAT. CAP. REGION</b>	<b>50,643</b>	<b>31,206</b>	<b>61.6</b>	<b>19,437</b>	<b>38.4</b>
1ST DIST. MANILA	16,279	10,438	64.1	5,841	35.9
2ND DIST. MUN.	6,045	3,477	57.5	2,568	42.5
QUEZON CITY	12,790	9,846	77.0	2,944	23.0
3RD DIST. MUN.	3,283	1,497	45.6	1,786	54.4
CALOOCAN CITY	3,795	1,712	45.1	2,083	54.9
4TH DIST. MUN.	6,544	3,207	49.0	3,337	51.0
PASAY CITY	1,907	1,029	54.0	878	46.0
<b>C.A.R.</b>	<b>3,925</b>	<b>1,589</b>	<b>40.5</b>	<b>2,336</b>	<b>59.5</b>
ABRA	753	249	33.1	504	66.9
BENGUET	1,822	947	52.0	875	48.0
IFUGAO	359	114	31.8	245	68.2
KALINGA-APAYAO	556	106	19.1	450	80.9
MT. PROVINCE	435	173	39.8	262	60.2
BAGUIO CITY	0	0	-	0	-
<b>REGION 1</b>	<b>23,227</b>	<b>7,697</b>	<b>33.1</b>	<b>15,530</b>	<b>66.9</b>
ILOCOS NORTE	2,595	901	34.7	1,694	65.3
ILOCOS SUR	3,381	1,125	33.3	2,256	66.7
LA UNION	3,676	1,390	37.8	2,286	62.2
PANGASINAN	10,578	2,801	26.5	7,777	73.5
DAGUPAN CITY	1,452	802	55.2	650	44.8
LAOAG CITY	732	375	51.2	357	48.8
SAN CARLOS CITY	813	303	37.3	510	62.7
<b>REGION 2</b>	<b>11,649</b>	<b>3,769</b>	<b>32.4</b>	<b>7,880</b>	<b>67.6</b>
BATANES	100	38	38.0	62	62.0
CAGAYAN	4,836	1,581	32.7	3,255	67.3
ISABELA	5,012	1,528	30.5	3,484	69.5
NUEVA VIZCAYA	1,261	490	38.9	771	61.1
QUIRINO	440	132	30.0	308	70.0
<b>REGION 3</b>	<b>30,641</b>	<b>13,604</b>	<b>44.4</b>	<b>17,037</b>	<b>55.6</b>
BATAAN	1,907	1,017	53.3	890	46.7
BULACAN	8,327	3,989	47.9	4,338	52.1
NUEVA ECIJA	4,473	1,809	40.4	2,664	59.6
PAMPANGA	5,607	2,496	44.5	3,111	55.5
TARLAC	4,713	1,606	34.1	3,107	65.9
ZAMBALES	1,668	475	28.5	537	32.2

**MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AREA	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
ANGELES CITY	1,148	509	44.3	639	55.7
CABANATUAN CITY	1,275	674	52.9	601	47.1
OLONGAPO CITY	1,012	475	46.9	537	53.1
PALAYAN CITY	0	0	—	0	—
SAN JOSE CITY	511	239	46.8	272	53.2
<b>REGION 4</b>	<b>40,808</b>	<b>17,533</b>	<b>43.0</b>	<b>23,275</b>	<b>57.0</b>
AURORA	633	182	28.8	451	71.2
BATANGAS	5,733	2,034	35.5	3,699	64.5
CAVITE	5,438	2,726	50.1	2,712	49.9
LAGUNA	4,476	1,802	40.3	2,674	59.7
MARINDUQUE	1,266	415	32.8	851	67.2
MINDORO OCC.	1,033	449	43.5	584	56.5
MINDORO OR.	2,629	1,113	42.3	1,516	57.7
PALAWAN	1,025	467	45.6	558	54.4
QUEZON	7,146	2,560	35.8	4,586	64.2
RIZAL	4,198	2,268	54.0	1,930	46.0
ROMBLON	1,280	472	36.9	808	63.1
BATANGAS CITY	1,034	399	38.6	635	61.4
CAVITE CITY	113	33	29.2	80	70.8
LIPA CITY	1,271	664	52.2	607	47.8
LUCENA CITY	1,469	843	57.4	626	42.6
PUERTO PRINCESA CITY	434	223	51.4	211	48.6
SAN PABLO CITY	1,244	549	44.1	695	55.9
TAGAYTAY CITY	386	334	86.5	52	13.5
TRECE MARTIRES CITY	0	0	—	0	—
<b>REGION 5</b>	<b>21,417</b>	<b>6,090</b>	<b>28.4</b>	<b>15,327</b>	<b>71.6</b>
ALBAY	4,408	1,029	23.3	3,379	76.7
CAMARINES NORTE	2,737	682	24.9	2,055	75.1
CAMARINES SUR	5,406	911	16.9	4,495	83.1
CATANDUANES	1,222	474	38.8	748	61.2
MASBATE	1,717	364	21.2	1,353	78.8
SORSOGON	3,287	1,227	37.3	2,060	62.7
IRIGA CITY	498	172	34.5	326	65.5
LEGASPI CITY	988	494	50.0	494	50.0
NAGA CITY	1,154	737	63.9	417	36.1
<b>REGION 6</b>	<b>29,690</b>	<b>10,776</b>	<b>36.3</b>	<b>18,914</b>	<b>63.7</b>
AKLAN	2,534	730	28.8	1,804	71.2
ANTIQUÉ	2,761	770	27.9	1,991	72.1
CAPIZ	2,190	383	17.5	1,807	82.5
ILOILO	7,392	2,406	32.5	4,986	67.5
NEGROS OCC.	5,735	1,565	27.3	4,170	72.7

TABLE 22

## MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE &amp; CITY

No. &amp; Percentage Distribution

PHILIPPINES

1991

AREA	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
BACOLOD CITY	3,283	2,108	64.2	1,175	35.8
BAGO CITY	620	20	3.2	600	96.8
CADIZ CITY	409	87	21.3	322	78.7
ILOILO CITY	2,343	1,540	65.7	803	34.3
LA CARLOTA CITY	337	118	35.0	219	65.0
ROXAS CITY	779	430	55.2	349	44.8
SAN CARLOS CITY	662	277	41.8	385	58.2
SILAY CITY	645	342	53.0	303	47.0
<b>REGION 7</b>	<b>24,877</b>	<b>7,641</b>	<b>30.7</b>	<b>17,236</b>	<b>69.3</b>
BOHOL	5,126	772	15.1	4,354	84.9
CEBU	7,737	1,593	20.6	6,144	79.4
NEGROS OR	2,309	581	25.2	1,728	74.8
SIQUIJOR	661	143	21.6	518	78.4
BAIS CITY	235	93	39.6	142	60.4
CANLAON CITY	0	0	-	0	-
CEBU CITY	5,358	2,914	54.4	2,444	45.6
DANAO CITY	451	119	26.4	332	73.6
DUMAGUETE CITY	1,052	750	71.3	302	28.7
LAPU-LAPU CITY	393	71	18.1	322	81.9
MANDAWE CITY	444	66	14.9	378	85.1
TAGBILARAN CITY	610	452	74.1	158	25.9
TOLEDO CITY	501	87	17.4	414	82.6
<b>REGION 8</b>	<b>15,361</b>	<b>4,036</b>	<b>26.3</b>	<b>11,325</b>	<b>73.7</b>
LEYTE DEL NORTE	6,699	1,286	19.2	5,413	80.8
LEYTE DEL SUR	2,141	635	29.7	1,506	70.3
EASTERN SAMAR	764	284	37.2	480	62.8
NORTHERN SAMAR	1,682	526	31.3	1,156	68.7
WESTERN SAMAR	971	261	26.9	710	73.1
CALBAYOG CITY	578	160	27.7	418	72.3
ORMOC CITY	1,686	492	29.2	1,194	70.8
TACLOBAN CITY	840	392	46.7	448	53.3
<b>REGION 9</b>	<b>7,955</b>	<b>3,699</b>	<b>46.5</b>	<b>4,256</b>	<b>53.5</b>
BASILAN	512	283	55.3	229	44.7
SULU	526	445	84.6	81	15.4
TAWI-TAWI	59	27	45.8	32	54.2
ZAMB. DEL NORTE	1,525	398	26.1	1,127	73.9
ZAMB. DEL SUR	2,266	1,020	45.0	1,246	55.0



**MORTALITY: BY ATTENDANCE, HEALTH REGION, PROVINCE & CITY**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

AREA	TOTAL DEATHS	ATTENDANCE			
		ATTENDED		NOT ATTENDED	
		NUMBER	PERCENT	NUMBER	PERCENT
DAPITAN CITY	336	170	50.6	196	58.3
DIPOLOG CITY	536	246	45.9	290	54.1
PAGADIAN CITY	541	313	57.9	228	42.1
ZAMBOANGA CITY	1,624	797	49.1	827	50.9
<b>REGION 10</b>	<b>14,927</b>	<b>4,854</b>	<b>32.5</b>	<b>10,073</b>	<b>67.5</b>
AGUSAN DEL NORTE	889	206	23.2	683	76.8
AGUSAN DEL SUR	980	280	28.6	700	71.4
BUKIDNON	1,969	732	37.2	1,237	62.8
CAMIGUIN	418	110	26.3	308	73.7
MISAMIS OCC.	1,121	144	12.8	977	87.2
MISAMIS OR.	1,956	348	17.8	1,608	82.2
SURIGAO DEL NORTE	1,308	197	15.1	1,111	84.9
BUTUAN CITY	1,478	604	40.9	874	59.1
CAGAYAN DE ORO	2,216	1,121	50.6	1,095	49.4
GINGOOG CITY	475	183	38.5	292	61.5
OROQUIETA CITY	492	266	54.1	226	45.9
OZAMIS CITY	681	290	42.6	391	57.4
SURIGAO CITY	696	315	45.3	381	54.7
TANGUB CITY	248	58	23.4	190	76.6
<b>REGION 11</b>	<b>17,340</b>	<b>5,968</b>	<b>34.4</b>	<b>11,372</b>	<b>65.6</b>
COTABATO SOUTH	2,562	945	36.9	1,617	63.1
DAVAO ORIENTAL	1,089	313	28.7	776	71.3
DAVAO DEL NORTE	4,027	1,364	33.9	2,663	66.1
DAVAO DEL SUR	1,953	636	32.6	1,317	67.4
SURIGAO DEL SUR	2,006	653	32.6	1,353	67.4
DAVAO CITY	4,176	1,498	35.9	2,678	64.1
GEN. SANTOS CITY	1,527	559	36.6	968	63.4
<b>REGION 12</b>	<b>5,603</b>	<b>2,267</b>	<b>40.5</b>	<b>3,336</b>	<b>59.5</b>
NORTH COTABATO	1,122	405	36.1	717	63.9
LANAO DEL NORTE	109	41	37.6	68	62.4
LANAO DEL SUR	489	120	24.5	369	75.5
MAGUINDANAO	304	104	34.2	200	65.8
SULTAN KUDARAT	1,199	509	42.5	690	57.5
COTABATO CITY	734	327	44.6	407	55.4
ILIGAN CITY	1,543	700	45.4	843	54.6
MARAWI CITY	103	61	59.2	42	40.8

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	ALL AGES			RATE
	MALE	FEMALE	BOTH SEXES	
Typhoid & Paratyphoid fevers (002)	642	427	1069	1.7
Other salmonella infections (003)	3	8	11	0.02
Shigellosis and amoebiasis (Dysentery, All Forms) (004;006)	258	185	443	0.7
Other food poisoning (Bacterial) (005)	110	57	167	0.3
Other intestinal infectious diseases (007;008)	9	4	13	0.02
Diarrheas (009)	2157	1540	3697	5.8
Tuberculosis of the respiratory system (010-012)	14383	7916	22299	35.0
Tuberculosis of meninges & CNS (013)	184	142	326	0.5
Other tuberculosis, including late effects (014-018;137)	115	74	189	0.3
Plague (020)	0	0	0	0.0
Leprosy (030)	40	28	68	0.1
Diphtheria (032)	29	33	62	0.1
Whooping cough (033)	6	3	9	0.01
Streptococcal sore throat (034)	2	2	4	0.01
Meningococcal infection (036)	82	81	163	0.3
Tetanus (037)	741	281	1022	1.6
Septicemia (038)	3352	2640	5992	9.4
All other diseases caused by bacteria (021-027;031;035;039-041)	48	33	81	0.1
Acute poliomyelitis including late effects (045;138)	11	3	14	0.02
Smallpox (050)	0	1	1	0.002
Chickenpox (052)	0	12	12	0.02
Measles (055)	1161	1067	2228	3.5
Yellow Fever (060)	0	0	0	
Dengue-hemorrhagic fever (061;065)	213	188	401	0.6
Arthropod-borne viral encephalitis including late effects (062-064;139)	23	15	38	0.1
Viral hepatitis (070)	497	275	772	1.2
Rabies (071)	308	157	465	0.7
Other viral diseases (046-049;051-054;056;057;066;072-079)	89	36	125	0.2
Malaria (084)	628	296	924	1.5
Other arthropod-borne diseases (080-083;085-088)	14	8	22	0.03
Syphilis (090-097)	1	1	2	0.003
Gonococcal Infections (098)	1	1	2	0.003

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	UNDER-5 YEARS				15-49 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Typhoid & Paratyphoid fevers	9	6	15	0.8	36	23	59	0.9
Other salmonella infections	1	1	2	0.1	0	0	0	0.0
Shigellosis and amoebiasis (Dysentery, All Forms)	64	36	100	5.4	55	51	106	1.5
Other food poisoning (Bacterial)	2	0	2	0.1	23	19	42	0.6
Other intestinal infectious diseases	3	0	3	0.2	2	1	3	0.04
Diarrheas	659	474	1133	60.8	628	499	1127	16.4
Tuberculosis of the respiratory system	0	0	0	0.0	1	0	1	0.01
Tuberculosis of meninges & CNS	13	11	24	1.3	41	34	75	1.1
Other tuberculosis, including late effects	2	0	2	0.1	1	4	5	0.1
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	0	1	1	0.1	0	0	0	0.0
Diphtheria	7	6	13	0.7	14	11	25	0.4
Whooping cough	1	1	2	0.1	1	0	1	0.01
Streptococcal sore throat	0	0	0	0.0	0	0	0	0.0
Meningococcal infection	19	10	29	1.6	24	29	53	0.8
Tetanus	113	73	186	10.0	18	29	47	0.7
Septicemia	940	616	1556	83.5	293	251	544	7.9
All other diseases caused by bacteria	15	14	29	1.6	15	6	21	0.3
Acute poliomyelitis including late effects	0	0	0	0.0	1	0	1	0.01
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	4	4	0.2	0	3	3	0.04
Measles	270	231	501	26.9	665	614	1279	18.7
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue—hemorrhagic fever	17	17	34	1.8	67	54	121	1.8
Arthropod-borne viral encephalitis including late effects	2	1	3	0.2	6	1	7	0.1
Viral hepatitis	29	21	50	2.7	20	13	33	0.5
Rabies	3	2	5	0.3	27	7	34	0.5
Other viral diseases	20	9	29	1.6	15	7	22	0.3
Malaria	12	9	21	1.1	36	22	58	0.8
Other arthropod-borne diseases	3	3	6	0.3	5	3	8	0.1
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	0-4 YEARS				15-64 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers	52	27	79	1.0	57	52	109	1.4
Other salmonella infections	0	1	1	0.01	2	1	3	0.04
Shigellosis and amoebiasis (Dysentery, All Forms)	32	16	48	0.6	13	7	20	0.3
Other food poisoning (Bacterial)	16	10	26	0.3	7	4	11	0.1
Other intestinal infectious diseases	0	0	0	0.0	0	0	0	0.0
Diarrheas	227	112	339	4.1	46	44	90	1.2
Tuberculosis of the respiratory system	1	0	1	0.01	0	0	0	0.0
Tuberculosis of meninges & CNS	20	23	43	0.5	20	17	37	0.5
Other tuberculosis, including late effects	9	4	13	0.2	6	4	10	0.1
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	0	0	0	0.0	0	0	0	0.0
Diphtheria	4	13	17	0.2	1	2	3	0.04
Whooping cough	1	1	2	0.02	0	0	0	0.0
Streptococcal sore throat	0	0	0	0.0	0	0	0	0.0
Meningococcal infection	11	12	23	0.3	7	7	14	0.2
> Tetanus	89	29	118	1.4	75	28	103	1.3
- Septicemia	147	93	240	2.9	88	69	157	2.1
All other diseases caused by bacteria	3	3	6	0.1	0	0	0	0.0
Acute poliomyelitis including late effects	2	0	2	0.02	3	1	4	0.1
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	0	0	0.0	0	1	1	0.01
Measles	154	167	321	3.9	27	27	54	0.7
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue-hemorrhagic fever	58	72	130	1.6	24	19	43	0.6
Arthropod-borne viral encephalitis including late effects	2	4	6	0.1	0	1	1	0.01
Viral hepatitis	13	10	23	0.3	20	17	37	0.5
Rabies	54	30	84	1.0	38	18	56	0.7
Other viral diseases	4	6	10	0.1	6	1	7	0.1
Malaria	25	20	45	0.5	25	20	45	0.6
Other arthropod-borne diseases	2	0	2	0.02	1	0	1	0.01
Syphilis	0	0	0	0.0	1	0	1	0.01
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-19 YEARS				20-24 YEARS			
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Typhoid & Paratyphoid fevers	68	55	123	1.8	72	49	121	2.0
Other salmonella infections	0	1	1	0.01	0	1	1	0.02
Shigellosis and amoebiasis (Dysentery, All Forms)	6	5	11	0.2	8	5	13	0.2
Other food poisoning (Bacterial)	4	2	6	0.1	4	0	4	0.1
Other intestinal infectious diseases	0	0	0	0.0	0	0	0	0.0
Diarrheas	32	22	54	0.8	27	24	51	0.8
Tuberculosis of the respiratory system	257	195	452	6.7	320	201	521	8.7
Tuberculosis of meninges & CNS	9	9	18	0.3	10	6	16	0.3
Other tuberculosis, including late effects	11	4	15	0.2	4	3	7	0.1
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	0	1	1	0.01	0	2	2	0.03
Diphtheria	0	0	0	0.0	1	0	1	0.02
Whooping cough	1	0	1	0.01	0	0	0	0.0
Streptococcal sore throat	1	0	1	0.01	0	1	1	0.02
Meningococcal infection	4	5	9	0.1	5	3	8	0.1
Tetanus	59	12	71	1.1	53	10	63	1.0
Septicemia	110	95	205	3.0	115	112	227	3.8
All other diseases caused by bacteria	1	0	1	0.01	1	0	1	0.02
Acute poliomyelitis including late effects	1	0	1	0.01	1	0	1	0.02
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	1	1	0.01	0	0	0	0.0
Measles	7	9	16	0.2	15	3	18	0.3
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue-hemorrhagic fever	16	8	24	0.4	7	3	10	0.2
Arthropod-borne viral encephalitis including late effects	1	2	3	0.04	3	1	4	0.1
Viral hepatitis	24	7	31	0.5	30	18	48	0.8
Rabies	26	5	31	0.5	9	5	14	0.2
Other viral diseases	5	0	5	0.1	4	2	6	0.1
Malaria	31	30	61	0.9	44	28	72	1.2
Other arthropod-borne diseases	0	0	0	0.0	0	0	0	0.0
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	25-29 YEARS				30-34 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers	59	43	102	1.9	50	30	80	1.7
Other salmonella infections	0	0	0	0.0	0	0	0	0.0
Shigellosis and amoebiasis (Dysentery, All Forms)	5	2	7	0.1	1	1	2	0.04
Other food poisoning (Bacterial)	3	4	7	0.1	7	2	9	0.2
Other intestinal infectious diseases	0	0	0	0.0	1	0	1	0.02
Diarrheas	24	21	45	0.8	31	19	50	1.1
Tuberculosis of the respiratory system	462	314	776	14.6	653	369	1022	22.2
Tuberculosis of meninges & CNS	15	7	22	0.4	7	8	15	0.3
Other tuberculosis, including late effects	5	3	8	0.2	6	7	13	0.3
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	3	1	4	0.1	1	1	2	0.04
Diphtheria	1	0	1	0.02	0	0	0	0.0
Whooping cough	0	0	0	0.0	0	0	0	0.0
Streptococcal sore throat	0	0	0	0.0	0	0	0	0.0
Meningococcal infection	2	1	3	0.1	3	1	4	0.09
Tetanus	52	9	61	1.1	32	6	38	0.8
Septicemia	122	123	245	4.6	110	85	195	4.2
All other diseases caused by bacteria	2	0	2	0.04	1	1	2	0.04
Acute poliomyelitis including late effects	2	1	3	0.1	0	1	1	0.02
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	0	0	0.0	0	0	0	0.0
Measles	6	4	10	0.2	3	0	3	0.1
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue-hemorrhagic fever	3	2	5	0.1	4	2	6	0.1
Arthropod-borne viral encephalitis including late effects	2	1	3	0.1	2	0	2	0.04
Viral hepatitis	28	18	46	0.9	39	17	56	1.2
Rabies	18	11	29	0.5	19	8	27	0.6
Other viral diseases	3	3	6	0.1	3	1	4	0.09
Malaria	53	24	77	1.5	71	24	95	2.1
Other arthropod-borne diseases	0	0	0	0.0	1	0	1	0.02
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	5 - 14 YEARS				15 - 44 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers	54	23	77	2.0	28	30	58	1.9
Other salmonella infections	0	1	1	0.03	0	0	0	0.0
Shigellosis and amoebiasis (Dysentery, All Forms)	2	5	7	0.2	2	2	4	0.1
Other food poisoning (Bacterial)	9	3	12	0.3	7	2	9	0.3
Other intestinal infectious diseases	0	0	0	0.0	0	0	0	0.0
Diarrheas	42	28	70	1.8	34	13	47	1.6
Tuberculosis of the respiratory system	820	425	1245	32.5	942	448	1390	46.6
Tuberculosis of meninges & CNS	6	8	14	0.4	10	6	16	0.5
Other tuberculosis, including late effects	3	7	10	0.3	3	4	7	0.2
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	3	2	5	0.1	2	0	2	0.07
Diphtheria	0	0	0	0.0	0	0	0	0.0
Whooping cough	0	0	0	0.0	0	0	0	0.0
Streptococcal sore throat	0	0	0	0.0	0	0	0	0.0
Meningococcal infection	0	6	6	0.2	0	1	1	0.0
Tetanus	34	11	45	1.2	25	9	34	1.1
Septicemia	108	108	216	5.6	119	81	200	6.7
All other diseases caused by bacteria	1	2	3	0.1	2	0	2	0.1
Acute poliomyelitis including late effects	0	0	0	0.0	0	0	0	0.0
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	0	0	0.0	0	0	0	0.0
Measles	0	0	0	0.0	0	0	0	0.0
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue--hemorrhagic fever	6	1	7	0.2	2	1	3	0.1
Arthropod--borne viral encephalitis including late effects	1	3	4	0.1	0	0	0	0.0
Viral hepatitis	46	18	64	1.7	46	15	61	2.0
Rabies	19	6	25	0.7	18	8	26	0.9
Other viral diseases	6	1	7	0.2	1	0	1	0.0
Malaria	69	22	91	2.4	57	18	75	2.5
Other arthropod--borne diseases	0	0	0	0.0	0	0	0	0.0
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-49 YEARS				50+ YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Typhoid & Paratyphoid fevers	26	13	39	1.6	38	15	53	2.7
Other salmonella infections	0	0	0	0.0	0	0	0	0.0
Shigellosis and amoebiasis (Dysentery, All Forms)	9	2	11	0.5	6	0	6	0.3
Other food poisoning (Bacterial)	6	1	7	0.3	9	0	9	0.5
Other intestinal infectious diseases	1	1	2	0.1	0	0	0	0.0
Diarrheas	34	12	46	1.9	45	19	64	3.2
Tuberculosis of the respiratory system	1173	448	1621	68.2	1364	584	1948	98.7
Tuberculosis of meninges & CNS	5	4	9	0.4	7	3	10	0.5
Other tuberculosis, including late effects	10	6	16	0.7	11	2	13	0.7
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	5	1	6	0.3	6	2	8	0.4
Diphtheria	0	1	1	0.04	0	0	0	0.0
Whooping cough	0	0	0	0.0	0	0	0	0.0
Streptococcal sore throat	0	0	0	0.0	0	0	0	0.0
Meningococcal infection	1	0	1	0.04	2	0	2	0.1
Tetanus	32	8	40	1.7	29	10	39	2.0
Septicemia	133	79	212	8.9	114	75	189	9.6
All other diseases caused by bacteria	1	1	2	0.1	1	0	1	0.1
Acute poliomyelitis including late effects	0	0	0	0.0	0	0	0	0.0
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	1	1	0.04	0	0	0	0.0
Measles	3	2	5	0.2	1	0	1	0.1
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue-hemorrhagic fever	2	2	4	0.2	1	1	2	0.1
Arthropod-borne viral encephalitis including late effects	1	0	1	0.04	1	0	1	0.1
Viral hepatitis	38	19	57	2.4	46	12	58	2.9
Rabies	15	8	23	1.0	15	9	24	1.2
Other viral diseases	2	0	2	0.1	2	2	4	0.2
Malaria	52	18	70	2.9	46	12	58	2.9
Other arthropod-borne diseases	1	0	1	0.04	0	0	0	0.0
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0



TABLE 23

**MORTALITY: 150 CAUSE—GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	45-49 YEARS				50-54 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Typhoid & Paratyphoid fevers	15	18	33	2.1	19	4	23	1.9
Other salmonella infections	0	1	1	0.1	0	0	0	0.0
Shigellosis and amoebiasis (Dysentery, All Forms)	2	3	5	0.3	14	5	19	1.5
Other food poisoning (Bacterial)	4	4	8	0.5	4	2	6	0.5
Other intestinal infectious diseases	1	0	1	0.1	1	0	1	0.1
Diarrheas	45	23	68	4.3	44	34	78	6.4
Tuberculosis of the respiratory system	1534	683	2217	141.6	1741	808	2549	207.7
Tuberculosis of meninges & CNS	5	1	6	0.4	8	3	11	0.9
Other tuberculosis, including late effects	9	3	12	0.8	9	1	10	0.8
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	2	4	6	0.4	1	0	1	0.1
Diphtheria	0	0	0	0.0	1	0	1	0.1
Whooping cough	0	0	0	0.0	0	0	0	0.0
Streptococcal sore throat	0	0	0	0.0	0	0	0	0.0
Meningococcal infection	1	4	5	0.3	1	2	3	0.2
Tetanus	22	6	28	1.8	25	13	38	3.1
Septicemia	118	95	213	13.6	137	94	231	18.8
All other diseases caused by bacteria	0	1	1	0.1	3	2	5	0.4
Acute poliomyelitis including late effects	1	0	1	0.1	0	0	0	0.0
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	1	1	0.1	0	0	0	0.0
Measles	1	0	1	0.1	0	2	2	0.2
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue—hemorrhagic fever	3	1	4	0.3	0	1	1	0.1
Arthropod—borne viral encephalitis including late effects	1	0	1	0.1	1	0	1	0.1
Viral hepatitis	38	22	60	3.8	27	21	48	3.9
Rabies	5	10	15	1.0	8	6	14	1.1
Other viral diseases	2	1	3	0.2	2	1	3	0.2
Malaria	35	14	49	3.1	22	12	34	2.8
Other arthropod—borne diseases	0	0	0	0.0	0	0	0	0.0
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	5-14 YEARS				15 YEARS & OVER			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Typhoid & Paratyphoid fevers	13	14	27	2.9	46	25	71	5.0
Other salmonella infections	0	0	0	0.0	0	1	1	0.1
Shigellosis and amoebiasis (Dysentery, All Forms)	9	8	17	1.9	30	37	67	4.7
Other food poisoning (Bacterial)	1	4	5	0.5	4	0	4	0.3
Other intestinal infectious diseases	0	0	0	0.0	0	2	2	0.1
Diarrheas	40	24	64	7.0	199	172	371	25.9
Tuberculosis of the respiratory system	1539	864	2403	262.0	3574	2577	6151	428.9
Tuberculosis of meninges & CNS	3	1	4	0.4	5	1	6	0.4
Other tuberculosis, including late effects	8	8	16	1.7	18	14	32	2.2
Plague	0	0	0	0.0	0	0	0	0.0
Leprosy	6	6	12	1.3	11	7	18	1.3
Diphtheria	0	0	0	0.0	0	0	0	0.0
Whooping cough	0	1	1	0.1	2	0	2	0.1
Streptococcal sore throat	1	0	1	0.1	0	0	0	0.0
Meningococcal infection	0	0	0	0.0	2	1	3	0.2
Tetanus	24	9	33	3.6	59	19	78	5.4
Septicemia	164	115	279	30.4	534	549	1083	75.5
All other diseases caused by bacteria	0	0	0	0.0	2	3	5	0.3
Acute poliomyelitis including late effects	0	0	0	0.0	0	0	0	0.0
Smallpox	0	0	0	0.0	0	0	0	0.0
Chickenpox	0	0	0	0.0	0	1	1	0.1
Measles	2	1	3	0.3	6	5	11	0.8
Yellow Fever	0	0	0	0.0	0	0	0	0.0
Dengue - hemorrhagic fever	0	1	1	0.1	3	3	6	0.4
Arthropod-borne viral encephalitis including late effects	0	0	0	0.0	0	1	1	0.1
Viral hepatitis	19	21	40	4.4	34	26	60	4.2
Rabies	13	7	20	2.2	21	17	38	2.6
Other viral diseases	2	0	2	0.2	12	2	14	1.0
Malaria	21	7	28	3.1	29	16	45	3.1
Other arthropod-borne diseases	0	0	0	0.0	0	0	0	0.0
Syphilis	0	0	0	0.0	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0	0	0	0	0.0

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**

No. &amp; Rate/100,000 Pop.

**PHILIPPINES**

1991

CAUSE	NOT STATED			RATE
	MALE	FEMALE	BOTH SEXES	
Typhoid & Paratyphoid fevers	0	0	0	0.0
Other salmonella infections	0	0	0	0.0
Shigellosis and amoebiasis				
(Dysentery, All Forms)	0	0	0	0.0
Other food poisoning (Bacterial)	0	0	0	0.0
Other intestinal infectious diseases	0	0	0	0.0
Diarrheas	0	0	0	0.0
Tuberculosis of the respiratory system	2	0	2	0.003
Tuberculosis of meninges & CNS	0	0	0	0.0
Other tuberculosis, including				
late effects	0	0	0	0.0
Plague	0	0	0	0.0
Leprosy	0	0	0	0.0
Diphtheria	0	0	0	0.0
Whooping cough	0	0	0	0.0
Streptococcal sore throat	0	0	0	0.0
Meningococcal infection	0	0	0	0.0
Tetanus	0	0	0	0.0
Septicemia	0	0	0	0.0
All other diseases caused by bacteria	0	0	0	0.0
Acute poliomyelitis including				
late effects	0	0	0	0.0
Smallpox	0	0	0	0.0
Chickenpox	0	0	0	0.0
Measles	0	0	0	0.0
Yellow Fever				
Dengue-hemorrhagic fever	0	0	0	0.0
Arthropod-borne viral encephalitis				
including late effects	0	0	0	0.0
Viral hepatitis	0	0	0	0.0
Rabies	0	0	0	0.0
Other viral diseases	0	0	0	0.0
Malaria	0	0	0	0.0
Other arthropod-borne diseases	0	0	0	0.0
Syphilis	0	0	0	0.0
Gonococcal Infections	0	0	0	0.0

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	ALL AGES			RATE
	MALE	FEMALE	BOTH SEXES	
Schistosomiasis (120)	167	82	249	0.4
Filariasis (125)	0	2	2	0.003
Other helminthiasis (121-124;126-129)	69	54	123	0.2
Other infectious and parasitic diseases (099;100-104;110-118;130-136)	128	60	188	0.3
Malignant neoplasms of:				
lip, oral cavity and pharynx (140-149)	733	524	1257	2.0
esophagus (150)	194	97	291	0.5
stomach (151)	757	562	1319	2.1
small intestine including duodenum (152)	43	37	80	0.1
colon (153)	229	199	428	0.7
rectum, rectosigmoid junction and anus (154)	250	210	460	0.7
larynx (161)	113	38	151	0.2
trachea, bronchus, lung and pleura (162;163)	2680	1003	3683	5.8
bone and articular cartilage (170)	580	421	1001	1.6
skin (172;173)	46	43	89	0.1
female breast (174)	0	1593	1593	2.5
cervix uteri (180)	0	364	364	0.6
uterus (179;181-182)	0	931	931	1.5
other female genital organs (183-184)	0	367	367	0.6
prostate (185)	326	0	326	0.5
other and unspecified sites (155-160;164;165;171;175;186-199)	5083	3022	8105	12.7
lymphatic tissue (200-203)	215	182	397	0.6
Leukemia (204-208)	752	713	1465	2.3
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior and of unspecified nature (210-239)	35	42	77	0.1
Diabetes mellitus (250)	1705	1971	3676	5.8
Kwashiorkor (260)	66	58	124	0.2
Nutritional marasmus (261)	53	50	103	0.2
Other protein calorie malnutrition (262)	351	313	664	1.0
Other nutritional deficiencies (263-269)	1422	1200	2622	4.1
Goiter, thyrotoxicosis, hypothyroidism and other endocrine and metabolic disorders (240-246;251-259;270-279)	1574	1262	2836	4.5
Anemias (280-285)	1147	1076	2223	3.5
Other diseases of blood-forming organs (286-289)	183	180	363	0.6

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	UNDER-5 YEARS				1-4 YEARS			
	MALE	FEMALE	BOYS	RATE	MALE	FEMALE	BOYS	RATE
Schistosomiasis	2	0	2	0.1	3	1	4	0.1
Filariasis	0	0	0	0.0	0	0	0	0.0
Other helminthiasis	2	6	8	0.4	33	26	59	0.9
Other infectious and parasitic diseases	7	7	14	0.8	21	19	40	0.6
Malignant neoplasms of:								
lip, oral cavity and pharynx	2	0	2	0.1	2	2	4	0.1
esophagus	0	0	0	0.0	0	0	0	0.0
stomach	1	2	3	0.2	2	0	2	0.03
small intestine including duodenum	0	0	0	0.0	0	0	0	0.0
colon	0	0	0	0.0	1	0	1	0.01
rectum, rectosigmoid junction and anus	0	0	0	0.0	0	0	0	0.0
larynx	0	0	0	0.0	1	0	1	0.01
trachea, bronchus, lung & pleura	6	1	7	0.4	4	5	9	0.1
bone and articular cartilage	2	1	3	0.2	3	2	5	0.1
skin	0	0	0	0.0	1	0	1	0.01
female breast	0	0	0	0.0	0	0	0	0.0
cervix uteri	0	0	0	0.0	0	0	0	0.0
uterus	0	0	0	0.0	0	0	0	0.0
other female genital organs	0	0	0	0.0	0	0	0	0.0
prostate	0	0	0	0.0	0	0	0	0.0
other and unspecified sites	24	23	47	2.5	51	41	92	1.3
lymphatic tissue	2	1	3	0.2	5	4	9	0.1
Leukemia	24	13	37	2.0	78	44	122	1.8
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	0	0	0	0.0	1	1	2	0.03
Diabetes mellitus	1	1	2	0.1	4	2	6	0.1
Kwashiorkor	17	10	27	1.4	29	29	58	0.8
Nutritional marasmus	15	6	21	1.1	18	26	44	0.6
Other protein calorie malnutrition	71	62	133	7.1	135	106	241	3.5
Other nutritional deficiencies	445	330	775	41.6	350	285	635	9.3
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	423	317	740	39.7	357	272	629	9.2
Anemias	61	34	95	5.1	70	49	119	1.7
Other diseases of blood-forming organs	46	39	85	4.6	22	18	40	0.6

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	5-9 YEARS				10-14 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Schistosomiasis	6	2	8	0.1	7	0	7	0.1
Filariasis	0	0	0	0.0	0	0	0	0.0
Other helminthiasis	21	10	31	0.4	6	1	7	0.1
Other infectious and parasitic diseases	12	8	20	0.2	4	2	6	0.1
Malignant neoplasms of:								
lip, oral cavity and pharynx	1	0	1	0.01	1	0	1	0.01
esophagus	0	0	0	0.0	1	0	1	0.01
stomach	4	1	5	0.1	1	0	1	0.01
small intestine including duodenum	1	0	1	0.01	0	0	0	0.0
colon	0	0	0	0.0	0	0	0	0.0
rectum, rectosigmoid junction and anus	1	0	1	0.01	0	0	0	0.0
larynx	0	0	0	0.0	0	0	0	0.0
trachea, bronchus, lung & pleura	3	1	4	0.05	6	4	10	0.1
bone and articular cartilage	4	4	8	0.1	17	14	31	0.4
skin	0	0	0	0.0	0	1	1	0.01
female breast	0	0	0	0.0	0	0	0	0.0
cervix uteri	0	0	0	0.0	0	4	4	0.1
uterus	0	0	0	0.0	0	1	1	0.01
other female genital organs	0	0	0	0.0	0	2	2	0.03
prostate	0	0	0	0.0	4	0	4	0.1
other and unspecified sites	41	37	78	0.9	62	31	93	1.2
lymphatic tissue	3	3	6	0.1	3	4	7	0.1
Leukemia	87	54	141	1.7	68	65	133	1.7
Benign neoplasms, carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	0	0	0	0.0	0	0	0	0.0
Diabetes mellitus	4	2	6	0.1	3	3	6	0.1
Kwashiorkor	10	3	13	0.2	0	1	1	0.01
Nutritional marasmus	6	2	8	0.1	0	1	1	0.01
Other protein calorie malnutrition	29	18	47	0.6	11	4	15	0.2
Other nutritional deficiencies	74	62	136	1.6	25	9	34	0.4
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	133	68	201	2.4	43	35	78	1.0
Anemias	41	41	82	1.0	40	35	75	1.0
Other diseases of blood-forming organs	11	12	23	0.3	17	10	27	0.4

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-44 YEARS				20-64 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Schistosomiasis	5	3	8	0.1	10	5	15	0.2
Filariasis	0	0	0	0.0	0	0	0	0.0
Other helminthiasis	1	0	1	0.01	1	0	1	0.02
Other infectious and parasitic diseases	5	1	6	0.1	4	0	4	0.1
Malignant neoplasms of:								
lip, oral cavity and pharynx	7	1	8	0.1	7	5	12	0.2
esophagus	0	0	0	0.0	1	1	2	0.03
stomach	4	2	6	0.1	10	6	16	0.3
small intestine including duodenum	0	0	0	0.0	0	0	0	0.0
colon	2	2	4	0.1	4	2	6	0.1
rectum, rectosigmoid junction and anus	2	2	4	0.1	3	3	6	0.1
larynx	0	0	0	0.0	0	2	2	0.03
trachea, bronchus, lung & pleura	12	5	17	0.3	23	7	30	0.5
bone and articular cartilage	23	22	45	0.7	23	13	36	0.6
skin	1	1	2	0.03	1	0	1	0.02
female breast	0	3	3	0.04	0	4	4	0.1
cervix uteri	0	1	1	0.01	0	5	5	0.1
uterus	0	6	6	0.1	0	17	17	0.3
other female genital organs	0	6	6	0.1	0	14	14	0.2
prostate	0	0	0	0.0	0	0	0	0.0
other and unspecified sites	81	41	122	1.8	109	72	181	3.0
lymphatic tissue	7	5	12	0.2	7	11	18	0.3
Leukemia	76	68	144	2.1	58	62	120	2.0
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	0	1	1	0.01	1	3	4	0.1
Diabetes mellitus	11	6	17	0.3	5	12	17	0.3
Kwashiorkor	0	0	0	0.0	0	0	0	0.0
Nutritional marasmus	3	0	3	0.04	0	1	1	0.02
Other protein calorie malnutrition	3	4	7	0.1	7	5	12	0.2
Other nutritional deficiencies	7	13	20	0.3	15	12	27	0.4
Goiter, thyrotoxicosis, hypo-thyroidism & other endocrine & metabolic disorders	29	10	39	0.6	27	23	50	0.8
Anemias	47	48	95	1.4	41	46	87	1.4
Other diseases of blood-forming organs	13	11	24	0.4	8	7	15	0.2

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15 - 24 YEARS				25 - 64 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Schistosomiasis	16	3	19	0.4	5	6	11	0.2
Filariasis	0	1	1	0.02	0	0	0	0.0
Other helminthiasis	1	1	2	0.04	0	0	0	0.0
Other infectious and parasitic diseases	9	0	9	0.2	5	2	7	0.2
Malignant neoplasms of:								
lip, oral cavity and pharynx	8	5	13	0.2	24	12	36	0.8
esophagus	2	0	2	0.04	1	2	3	0.1
stomach	19	19	38	0.7	20	18	38	0.8
small intestine including duodenum	0	2	2	0.04	1	0	1	0.02
colon	0	5	5	0.1	9	6	15	0.3
rectum, rectosigmoid junction and anus	4	2	6	0.1	7	8	15	0.3
larynx	0	0	0	0.0	1	2	3	0.1
trachea, bronchus, lung & pleura	28	23	51	1.0	38	22	60	1.3
bone and articular cartilage	18	17	35	0.7	20	16	36	0.8
skin	0	2	2	0.04	0	1	1	0.02
female breast	0	21	21	0.4	0	59	59	1.3
cervix uteri	0	15	15	0.3	0	17	17	0.4
uterus	0	29	29	0.5	0	59	59	1.3
other female genital organs	0	9	9	0.2	0	27	27	0.6
prostate	1	0	1	0.02	1	0	1	0.02
other and unspecified sites	124	90	214	4.0	232	122	354	7.7
lymphatic tissue	8	7	15	0.3	16	14	30	0.7
Leukemia	46	48	94	1.8	35	55	90	2.0
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	0	1	1	0.02	1	1	2	0.04
Diabetes mellitus	23	14	37	0.7	32	31	63	1.4
Kwashiorkor	0	1	1	0.02	0	0	0	0.0
Nutritional marasmus	1	0	1	0.02	0	0	0	0.0
Other protein calorie malnutrition	3	4	7	0.1	5	6	11	0.2
Other nutritional deficiencies	10	15	25	0.5	16	12	28	0.6
Goiter, thyrotoxicosis, hypo--thyroidism & other endocrine & metabolic disorders	23	31	54	1.0	31	29	60	1.3
Anemias	48	64	112	2.1	33	50	83	1.8
Other diseases of blood-forming organs	3	9	12	0.2	4	16	20	0.4



TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-44 YEARS				45-64 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Schistosomiasis	15	2	17	0.4	11	9	20	0.7
Filariasis	0	0	0	0.0	0	0	0	0.0
Other helminthiasis	0	0	0	0.0	1	0	1	0.03
Other infectious and parasitic diseases	9	2	11	0.3	9	2	11	0.4
Malignant neoplasms of:								
lip, oral cavity and pharynx	30	18	48	1.3	49	19	68	2.3
esophagus	5	4	9	0.2	9	3	12	0.4
stomach	31	22	53	1.4	37	29	66	2.2
small intestine including duodenum	2	2	4	0.1	3	2	5	0.2
colon	7	10	17	0.4	11	10	21	0.7
rectum, rectosigmoid junction and anus	10	9	19	0.5	12	8	20	0.7
larynx	1	1	2	0.1	4	1	5	0.2
trachea, bronchus, lung & pleura	68	37	105	2.7	121	52	173	5.8
bone and articular cartilage	24	22	46	1.2	43	30	73	2.4
skin	2	4	6	0.2	5	4	9	0.3
female breast	0	142	142	3.7	0	195	195	6.5
cervix uteri	0	29	29	0.8	0	41	41	1.4
uterus	0	79	79	2.1	0	66	66	2.2
other female genital organs	0	26	26	0.7	0	33	33	1.1
prostate	0	0	0	0.0	6	0	6	0.2
other and unspecified sites	321	138	459	12.0	391	195	586	19.6
lymphatic tissue	15	7	22	0.6	12	12	24	0.8
Leukemia	43	33	76	2.0	37	23	60	2.0
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	5	3	8	0.2	2	2	4	0.1
Diabetes mellitus	45	20	65	1.7	74	38	112	3.8
Kwashiorkor	0	0	0	0.0	0	0	0	0.0
Nutritional marasmus	0	0	0	0.0	0	0	0	0.0
Other protein calorie malnutrition	3	3	6	0.2	0	4	4	0.1
Other nutritional deficiencies	15	16	31	0.8	16	17	33	1.1
Goiter, thyrotoxicosis, hypo-thyroidism & other endocrine & metabolic disorders	22	26	48	1.3	35	26	61	2.0
Anemias	35	59	94	2.5	35	45	80	2.7
Other diseases of blood-forming organs	6	7	13	0.3	11	12	23	0.8

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

150

CAUSE	45-49 YEARS				50-54 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Schistosomiasis	12	7	19	0.8	11	4	15	0.8
Filariasis	0	0	0	0.0	0	0	0	0.0
Other helminthiasis	0	1	1	0.04	0	0	0	0.0
Other infectious and parasitic diseases	8	1	9	0.4	11	0	11	0.6
Malignant neoplasms of:								
lip, oral cavity and pharynx	55	25	80	3.4	81	26	107	5.4
esophagus	15	5	20	0.8	22	7	29	1.5
stomach	51	42	93	3.9	59	47	106	5.4
small intestine including duodenum	3	1	4	0.2	3	2	5	0.3
colon	17	13	30	1.3	25	15	40	2.0
rectum, rectosigmoid junction and anus	18	14	32	1.3	18	20	38	1.9
larynx	3	2	5	0.2	12	0	12	0.6
trachea, bronchus, lung & pleura	213	103	316	13.3	354	88	442	22.4
bone and articular cartilage	33	36	69	2.9	46	39	85	4.3
skin	1	3	4	0.2	6	1	7	0.4
female breast	0	238	238	10.0	0	235	235	11.9
cervix uteri	0	46	46	1.9	0	56	56	2.8
uterus	0	111	111	4.7	0	124	124	6.3
other female genital organs	0	44	44	1.9	0	43	43	2.2
prostate	3	0	3	0.1	17	0	17	0.9
other and unspecified sites	480	221	701	29.5	544	295	839	42.5
lymphatic tissue	22	10	32	1.3	27	10	37	1.9
Leukemia	31	32	63	2.7	32	38	70	3.5
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	3	2	5	0.2	5	3	8	0.4
Diabetes mellitus	114	64	178	7.5	162	119	281	14.2
Kwashiorkor	0	0	0	0.0	0	0	0	0.0
Nutritional marasmus	0	0	0	0.0	1	0	1	0.1
Other protein calorie malnutrition	2	2	4	0.2	7	1	8	0.4
Other nutritional deficiencies	14	6	20	0.8	19	16	35	1.8
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	29	19	48	2.0	31	31	62	3.1
Anemias	46	47	93	3.9	58	44	102	5.2
Other diseases of blood-forming organs	7	5	12	0.5	3	5	8	0.4

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-59 YEARS				60-64 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Schistosomiasis	17	10	27	1.7	10	1	11	0.9
Filariasis	0	0	0	0.0	0	0	0	0.0
Other helminthiasis	1	1	2	0.1	1	2	3	0.2
Other infectious and parasitic diseases	5	3	8	0.5	2	5	7	0.6
Malignant neoplasms of:								
lip, oral cavity and pharynx	80	57	137	8.7	113	75	188	15.3
esophagus	23	9	32	2.0	22	11	33	2.7
stomach	77	51	128	8.2	102	68	170	13.8
small intestine including duodenum	6	2	8	0.5	9	7	16	1.3
colon	32	18	50	3.2	35	21	56	4.6
rectum, rectosigmoid junction and anus	25	22	47	3.0	32	23	55	4.5
larynx	17	3	20	1.3	25	5	30	2.4
trachea, bronchus, lung & pleura	422	129	551	35.2	446	124	570	46.4
bone and articular cartilage	63	43	106	6.8	75	30	105	8.6
skin	5	3	8	0.5	3	5	8	0.7
female breast	0	181	181	11.6	0	151	151	12.3
cervix uteri	0	37	37	2.4	0	29	29	2.4
uterus	0	123	123	7.9	0	86	86	7.0
other female genital organs	0	47	47	3.0	0	29	29	2.4
prostate	11	0	11	0.7	33	0	33	2.7
other and unspecified sites	587	271	858	54.8	558	343	901	73.4
lymphatic tissue	22	14	36	2.3	18	15	33	2.7
Leukemia	26	45	71	4.5	25	37	62	5.1
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	2	5	7	0.4	4	6	10	0.8
Diabetes mellitus	195	196	391	25.0	225	249	474	38.6
Kwashiorkor	1	1	2	0.1	1	3	4	0.3
Nutritional marasmus	0	1	1	0.1	3	0	3	0.2
Other protein calorie malnutrition	5	7	12	0.8	3	6	9	0.7
Other nutritional deficiencies	29	16	45	2.9	44	18	62	5.1
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	30	27	57	3.6	42	38	80	6.5
Anemias	67	46	113	7.2	75	61	136	11.1
Other diseases of blood-forming organs	8	3	11	0.7	2	8	10	0.8

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	Males				Females			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Schistosomiasis	15	3	18	2.0	22	26	48	3.3
Filariasis	0	0	0	0.0	0	1	1	0.1
Other helminthiasis	0	0	0	0.0	1	6	7	0.5
Other infectious and parasitic diseases	5	2	7	0.8	12	6	18	1.3
Malignant neoplasms of:								
lip, oral cavity and pharynx	97	75	172	18.8	176	204	380	26.5
esophagus	26	14	40	4.4	67	41	108	7.5
stomach	110	63	173	18.9	229	192	421	29.4
small intestine including duodenum	6	8	14	1.5	9	11	20	1.4
colon	24	18	42	4.6	62	79	141	9.8
rectum, rectosigmoid junction and anus	39	22	61	6.7	79	77	156	10.9
larynx	13	3	16	1.7	36	19	55	3.8
trachea, bronchus, lung & pleura	372	121	493	53.8	564	281	845	58.9
bone and articular cartilage	62	38	100	10.9	124	94	218	15.2
skin	3	4	7	0.8	18	14	32	2.2
female breast	0	133	133	14.5	0	231	231	16.1
cervix uteri	0	32	32	3.5	0	52	52	3.6
uterus	0	83	83	9.0	0	147	147	10.2
other female genital organs	0	30	30	3.3	0	57	57	4.0
prostate	42	0	42	4.6	208	0	208	14.5
other and unspecified sites	479	326	805	87.8	999	776	1775	123.8
lymphatic tissue	14	19	33	3.6	34	46	80	5.6
Leukemia	29	43	72	7.9	57	53	110	7.7
Benign neoplasms carcinoma in situ, neoplasms of uncertain behavior & of unspecified nature	3	4	7	0.8	8	10	18	1.3
Diabetes mellitus	199	304	503	54.8	608	910	1518	105.8
Kwashiorkor	1	1	2	0.2	7	8	15	1.0
Nutritional marasmus	1	1	2	0.2	5	12	17	1.2
Other protein calorie malnutrition	6	7	13	1.4	61	74	135	9.4
Other nutritional deficiencies	46	37	83	9.0	297	336	633	44.1
Goiter, thyrotoxicosis, hypothyroidism & other endocrine & metabolic disorders	45	51	96	10.5	274	259	533	37.2
Anemias	83	66	149	16.2	367	341	708	49.4
Other diseases of blood-forming organs	7	3	10	1.1	15	15	30	2.1

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

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

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	ALL AGES			RATE
	MALE	FEMALE	BOTH SEXES	
Psychoses (290-299)	36	33	69	0.1
Neurotic disorders, personality disorders and other mental disorders (300-316)	191	20	211	0.3
Mental retardation (317-319)	3	4	7	0.01
Meningitis (320-322)	1223	905	2128	3.3
Epilepsy (345)	480	330	810	1.3
Other diseases of nervous system (323-326; 330-337;340-344-346-349;350;360-389)	752	561	1313	2.1
Acute rheumatic fever (390-392)	14	5	19	0.03
Chronic rheumatic heart disease (393-398)	944	1057	2001	3.1
➤ Hypertension without heart involvement (401;403;405)	7831	5561	13392	21.0
➤ Hypertension with heart involvement (402;404)	1767	1420	3187	5.0
Acute myocardial infarction (410)	9409	4945	14354	22.6
Other forms of ischaemic heart disease (411-414)	2701	2800	5501	8.6
Diseases of pulmonary circulation & other forms of heart disease (415-417;420-429)	11726	9593	21319	33.5
Cerebrovascular disease (430-438)	9715	7064	16779	26.4
Atherosclerosis (440)	928	1013	1941	3.1
Other diseases of arteries, arterioles, and capillaries (441-448)	247	183	430	0.7
Venous thrombosis and embolism (451-453)	25	22	47	0.1
Other diseases of circulatory system (454-459)	254	138	392	0.6
Acute respiratory infections, except bronchitis and bronchiolitis (460-465)	55	49	104	0.2
Acute bronchitis and bronchiolitis (466)	320	242	562	0.9
Pneumonia (480-486)	19938	16767	36705	57.7
Influenza (487)	268	229	497	0.8
Chronic obstructive pulmonary disease and allied conditions (490-496)	4958	2655	7613	12.0
Other diseases of respiratory system (470-478;500-508;510-519)	3529	3196	6725	10.6
Diseases of oral cavity, salivary glands and jaws (520-529)	17	10	27	0.04
Gastric, duodenal and peptic ulcer, sites unspecified (531-533)	3621	1662	5283	8.3
Appendicitis (540-543)	173	96	269	0.4
Hernia of abdominal cavity (550-553)	136	52	188	0.3
Chronic liver diseases & cirrhosis (571)	2295	537	2832	4.5

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	UNDER 5 YEARS				15-4 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Psychoses	2	2	4	0.2	1	1	2	0.03
Neurotic disorders, personality disorder & other mental disorders	1	1	2	0.1	1	0	1	0.01
Mental retardation	0	0	0	0.0	0	0	0	0.0
Meningitis	283	195	478	25.6	289	243	532	7.8
Epilepsy	7	7	14	0.8	23	13	36	0.5
Other diseases of nervous system	84	43	127	6.8	98	90	188	2.7
Acute rheumatic fever	0	0	0	0.0	0	0	0	0.0
Chronic rheumatic heart disease	1	0	1	0.1	37	21	58	0.8
Hypertension without heart involvement	1	1	2	0.1	2	2	4	0.1
Hypertension with heart involvement	0	0	0	0.0	0	0	0	0.0
Acute myocardial infarction	6	6	12	0.6	10	4	14	0.2
Other forms of ischaemic heart disease	6	5	11	0.6	1	2	3	0.04
Diseases of pulmonary circulation & other forms of heart disease	445	292	737	39.5	199	188	387	5.6
Cerebrovascular disease	82	48	130	7.0	37	24	61	0.9
Atherosclerosis	0	0	0	0.0	0	0	0	0.0
Other diseases of arteries, arterioles and capillaries	1	2	3	0.2	2	2	4	0.1
Venous thrombosis and embolism	0	0	0	0.0	0	1	1	0.01
Other diseases of circulatory system	5	13	18	1.0	3	7	10	0.1
Acute respiratory infections, except bronchitis and bronchitis	8	7	15	0.8	5	3	8	0.1
Acute bronchitis & bronchiolitis	155	108	263	14.1	81	82	163	2.4
Pneumonia	4663	3486	8149	437.2	4015	3473	7488	109.2
Influenza	21	15	36	1.9	24	10	34	0.5
Chronic obstructive pulmonary diseases & allied conditions	152	103	255	13.7	159	194	353	5.1
Other diseases of respiratory system	304	218	522	28.0	92	86	178	2.6
Diseases of oral cavity, salivary glands and jaws	1	3	4	0.2	2	0	2	0.03
Gastric, duodenal and peptic ulcer, sites unspecified	19	16	35	1.9	8	8	16	0.2
Appendicitis	3	1	4	0.2	6	3	9	0.1
Hernia of abdominal cavity	12	4	16	0.9	8	0	8	0.1
Chronic liver diseases & cirrhosis	8	4	12	0.6	6	3	9	0.1

TABLE 23

## MORTALITY: 150 CAUSE-GROUPS BY AGE &amp; SEX

No. &amp; Rate/100,000 Pop.

PHILIPPINES

1991

156

CAUSE	5-14 YEARS			15-64 YEARS			65+ YEARS	
	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
Psychoses	0	0	0	0.0	1	0	1	0.01
Neurotic disorders, personality disorder & other mental disorders	1	0	1	0.01	0	0	0	0.0
Mental retardation	0	0	0	0.0	0	0	0	0.0
Meningitis	159	141	300	3.6	113	83	196	2.6
Epilepsy	20	11	31	0.4	40	40	80	1.0
Other diseases of nervous system	91	64	155	1.9	60	31	91	1.2
Acute rheumatic fever	1	0	1	0.01	2	1	3	0.04
Chronic rheumatic heart disease	45	46	91	1.1	101	110	211	2.8
Hypertension without heart involvement	0	0	0	0.0	21	27	48	0.6
Hypertension with heart involvement	0	0	0	0.0	9	7	16	0.2
Acute myocardial infarction	7	3	10	0.1	11	8	19	0.2
Other forms of ischaemic heart disease	2	3	5	0.1	0	4	4	0.1
Diseases of pulmonary circulation & other forms of heart disease	128	99	227	2.7	143	141	284	3.7
Cerebrovascular disease	68	30	98	1.2	51	39	90	1.2
Atherosclerosis	0	0	0	0.0	0	0	0	0.0
Other diseases of arteries, arterioles and capillaries	0	2	2	0.02	6	5	11	0.1
Venous thrombosis and embolism	0	0	0	0.0	0	0	0	0.0
Other diseases of circulatory system	6	8	14	0.2	10	5	15	0.2
Acute respiratory infections, except bronchitis and bronchitis	1	7	8	0.1	0	1	1	0.01
Acute bronchitis & bronchiolitis	18	11	29	0.3	10	3	13	0.2
Pneumonia	1031	867	1898	22.9	347	314	661	8.6
Influenza	10	11	21	0.3	2	8	10	0.1
Chronic obstructive pulmonary diseases & allied conditions	42	42	84	1.0	27	21	48	0.6
Other diseases of respiratory system	35	31	66	0.8	32	16	48	0.6
Diseases of oral cavity, salivary glands and jaws	0	0	0	0.0	3	0	3	0.04
Gastric, duodenal and peptic ulcer, sites unspecified	17	5	22	0.3	22	15	37	0.5
Appendicitis	17	8	25	0.3	14	12	26	0.3
Hernia of abdominal cavity	2	2	4	0.05	2	1	3	0.04
Chronic liver diseases & cirrhosis	5	2	7	0.1	3	5	8	0.1



TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Psychoses	0	0	0	0.0	0	0	0	0.0
Neurotic disorders, personality disorder & other mental disorders	5	1	6	0.1	9	1	10	0.2
Mental retardation	0	1	1	0.01	0	0	0	0.0
Meningitis	88	50	138	2.1	43	34	77	1.3
Epilepsy	67	45	112	1.7	72	44	116	1.9
Other diseases of nervous system	42	27	69	1.0	51	41	92	1.5
Acute rheumatic fever	2	1	3	0.04	1	1	2	0.03
Chronic rheumatic heart disease	136	121	257	3.8	114	127	241	4.0
Hypertension without heart involvement	14	13	27	0.4	54	24	78	1.3
Hypertension with heart involvement	2	1	3	0.04	8	8	16	0.3
Acute myocardial infarction	67	32	99	1.5	200	70	270	4.5
Other forms of ischaemic heart disease	9	7	16	0.2	15	11	26	0.4
Diseases of pulmonary circulation & other forms of heart disease	258	159	417	6.2	343	231	574	9.5
Cerebrovascular disease	79	38	117	1.7	144	53	197	3.3
Atherosclerosis	0	0	0	0.0	12	4	16	0.3
Other diseases of arteries, arterioles and capillaries	4	4	8	0.1	20	10	30	0.5
Venous thrombosis and embolism	0	0	0	0.0	0	1	1	0.02
Other diseases of circulatory system	15	5	20	0.3	21	5	26	0.4
Acute respiratory infections, except bronchitis and bronchitis	0	2	2	0.03	6	3	9	0.1
Acute bronchitis & bronchiolitis	3	2	5	0.1	5	4	9	0.1
Pneumonia	262	200	462	6.9	327	221	548	9.1
Influenza	7	4	11	0.2	12	3	15	0.2
Chronic obstructive pulmonary diseases & allied conditions	44	31	75	1.1	63	55	118	2.0
Other diseases of respiratory system	37	38	75	1.1	62	37	99	1.6
Diseases of oral cavity, salivary glands and jaws	0	0	0	0.0	0	0	0	0.0
Gastric, duodenal and peptic ulcer, sites unspecified	42	23	65	1.0	77	36	113	1.9
Appendicitis	14	10	24	0.4	12	6	18	0.3
Hernia of abdominal cavity	4	2	6	0.1	0	1	1	0.02
Chronic liver diseases & cirrhosis	14	6	20	0.3	33	4	37	0.6

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-24 YEARS				25-34 YEARS			
	MALE	FEMALE	BOYS	RATE	MALE	FEMALE	BOYS	RATE
Psychoses	3	2	5	0.1	2	3	5	0.1
Neurotic disorders, personality disorder & other mental disorders	18	1	19	0.4	19	3	22	0.5
Mental retardation	0	1	1	0.02	1	0	1	0.02
Meningitis	43	26	69	1.3	31	28	59	1.3
Epilepsy	70	41	111	2.1	43	32	75	1.6
Other diseases of nervous system	27	18	45	0.8	29	23	52	1.1
Acute rheumatic fever	1	0	1	0.02	0	1	1	0.02
Chronic rheumatic heart disease	107	114	221	4.2	74	97	171	3.7
Hypertension without heart involvement	89	37	126	2.4	160	55	215	4.7
Hypertension with heart involvement	23	6	29	0.5	17	10	27	0.6
Acute myocardial infarction	304	95	399	7.5	427	137	564	12.3
Other forms of ischaemic heart disease	27	12	39	0.7	48	13	61	1.3
Diseases of pulmonary circulation & other forms of heart disease	364	290	654	12.3	396	300	696	15.1
Cerebrovascular disease	206	109	315	5.9	253	114	367	8.0
Atherosclerosis	0	3	3	0.1	1	0	1	0.02
Other diseases of arteries, arterioles and capillaries	14	16	30	0.6	10	9	19	0.4
Venous thrombosis and embolism	1	0	1	0.02	2	0	2	0.04
Other diseases of circulatory system	27	9	36	0.7	31	13	44	1.0
Acute respiratory infections, except bronchitis and bronchitis	2	1	3	0.1	2	2	4	0.1
Acute bronchitis & bronchiolitis	3	1	4	0.1	4	1	5	0.1
Pneumonia	293	234	527	9.9	295	209	504	11.0
Influenza	14	2	16	0.3	5	7	12	0.3
Chronic obstructive pulmonary diseases & allied conditions	92	66	158	3.0	105	68	173	3.8
Other diseases of respiratory system	51	39	90	1.7	62	42	104	2.3
Diseases of oral cavity, salivary glands and jaws	0	0	0	0.0	0	0	0	0.0
Gastric, duodenal and peptic ulcer, sites unspecified	112	23	135	2.5	142	58	200	4.3
Appendicitis	9	7	16	0.3	10	7	17	0.4
Hernia of abdominal cavity	5	4	9	0.2	7	0	7	0.2
Chronic liver diseases & cirrhosis	61	11	72	1.4	136	15	151	3.3

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-19 YEARS				40-49 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Psychoses	4	3	7	0.2	3	3	6	0.2
Neurotic disorders, personality disorder & other mental disorders	18	1	19	0.5	32	0	32	1.1
Mental retardation	1	2	3	0.1	0	0	0	0.0
Meningitis	31	21	52	1.4	24	18	42	1.4
Epilepsy	32	29	61	1.6	31	17	48	1.6
Other diseases of nervous system	27	22	49	1.3	27	10	37	1.2
Acute rheumatic fever	0	0	0	0.0	0	0	0	0.0
Chronic rheumatic heart disease	55	107	162	4.2	39	69	108	3.6
Hypertension without heart involvement	247	130	377	9.9	400	180	580	19.4
Hypertension with heart involvement	42	23	65	1.7	77	29	106	3.6
Acute myocardial infarction	523	169	692	18.1	665	197	862	28.9
Other forms of ischaemic heart disease	36	25	61	1.6	51	40	91	3.0
Diseases of pulmonary circulation & other forms of heart disease	407	289	696	18.2	471	319	790	26.5
Cerebrovascular disease	373	174	547	14.3	463	225	688	23.0
Atherosclerosis	4	2	6	0.2	4	5	9	0.3
Other diseases of arteries, arterioles and capillaries	22	6	28	0.7	18	7	25	0.8
Venous thrombosis and embolism	2	2	4	0.1	2	1	3	0.1
Other diseases of circulatory system	23	7	30	0.8	15	10	25	0.8
Acute respiratory infections, except bronchitis and bronchitis	0	1	1	0.03	5	0	5	0.2
Acute bronchitis & bronchiolitis	1	0	1	0.03	4	1	5	0.2
Pneumonia	294	221	515	13.5	364	197	561	18.8
Influenza	12	7	19	0.5	9	5	14	0.5
Chronic obstructive pulmonary diseases & allied conditions	116	94	210	5.5	138	111	249	8.3
Other diseases of respiratory system	63	44	107	2.8	52	46	98	3.3
Diseases of oral cavity, salivary glands and jaws	3	0	3	0.1	1	0	1	0.03
Gastric, duodenal and peptic ulcer, sites unspecified	162	62	224	5.9	192	50	242	8.1
Appendicitis	7	7	14	0.4	12	4	16	0.5
Hernia of abdominal cavity	8	2	10	0.3	12	0	12	0.4
Chronic liver diseases & cirrhosis	182	38	220	5.8	250	34	284	9.5

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
	SEXES		SEXES				SEXES	
Psychoses	4	1	5	0.2	1	2	3	0.2
Neurotic disorders, personality disorder & other mental disorders	24	1	25	1.1	18	1	19	1.0
Mental retardation	1	0	1	0.04	0	0	0	0.0
Meningitis	28	11	39	1.6	19	11	30	1.5
Epilepsy	22	14	36	1.5	15	9	24	1.2
Other diseases of nervous system	17	13	30	1.3	20	12	32	1.6
Acute rheumatic fever	0	0	0	0.0	0	0	0	0.0
Chronic rheumatic heart disease	38	51	89	3.7	26	38	64	3.2
Hypertension without heart involvement	501	259	760	32.0	708	333	1041	52.8
Hypertension with heart involvement	80	49	129	5.4	161	98	259	13.1
Acute myocardial infarction	721	242	963	40.5	869	320	1189	60.3
Other forms of ischaemic heart disease	85	30	115	4.8	91	45	136	6.9
Diseases of pulmonary circulation & other forms of heart disease	524	305	829	34.9	664	414	1078	54.6
Cerebrovascular disease	579	287	866	36.4	767	386	1153	58.4
Atherosclerosis	8	1	9	0.4	10	3	13	0.7
Other diseases of arteries, arterioles and capillaries	17	11	28	1.2	12	10	22	1.1
Venous thrombosis and embolism	2	0	2	0.1	1	1	2	0.1
Other diseases of circulatory system	12	4	16	0.7	20	3	23	1.2
Acute respiratory infections, except bronchitis and bronchitis	3	1	4	0.2	2	1	3	0.2
Acute bronchitis & bronchiolitis	0	2	2	0.1	1	1	2	0.1
Pneumonia	379	227	606	25.5	493	276	769	39.0
Influenza	12	8	20	0.8	9	11	20	1.0
Chronic obstructive pulmonary diseases & allied conditions	185	99	284	12.0	300	126	426	21.6
Other diseases of respiratory system	98	58	156	6.6	140	57	197	10.0
Diseases of oral cavity, salivary glands and jaws	1	0	1	0.04	0	0	0	0.0
Gastric, duodenal and peptic ulcer, sites unspecified	262	68	330	13.9	313	80	393	19.9
Appendicitis	14	4	18	0.8	10	5	15	0.8
Hernia of abdominal cavity	6	3	9	0.4	8	4	12	0.6
Chronic liver diseases & cirrhosis	301	43	344	14.5	299	56	355	18.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	55-59 YEARS				60-64 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Psychoses	0	2	2	0.1	0	0	0	0.0
Neurotic disorders, personality disorder & other mental disorders	16	3	19	1.2	9	0	9	0.7
Mental retardation	0	0	0	0.0	0	0	0	0.0
Meningitis	20	10	30	1.9	20	10	30	2.4
Epilepsy	8	8	16	1.0	9	2	11	0.9
Other diseases of nervous system	24	11	35	2.2	31	28	59	4.8
Acute rheumatic fever	0	0	0	0.0	0	0	0	0.0
Chronic rheumatic heart disease	19	35	54	3.4	38	27	65	5.3
Hypertension without heart involvement	819	391	1210	77.3	881	563	1444	117.6
Hypertension with heart involvement	181	89	270	17.2	219	155	374	30.5
Acute myocardial infarction	904	347	1251	79.9	1000	421	1421	115.8
Other forms of ischaemic heart disease	115	64	179	11.4	196	133	329	26.8
Diseases of pulmonary circulation & other forms of heart disease	729	449	1178	75.2	918	656	1574	128.2
Cerebrovascular disease	921	479	1400	89.4	997	599	1596	130.0
Atherosclerosis	11	3	14	0.9	36	18	54	4.4
Other diseases of arteries, arterioles and capillaries	21	9	30	1.9	18	10	28	2.3
Venous thrombosis and embolism	4	1	5	0.3	2	0	2	0.2
Other diseases of circulatory system	15	6	21	1.3	15	4	19	1.5
Acute respiratory infections, except bronchitis and bronchilitis	2	1	3	0.2	2	2	4	0.3
Acute bronchitis & bronchiolitis	3	1	4	0.3	5	0	5	0.4
Pneumonia	579	310	889	56.8	792	490	1282	104.4
Influenza	18	10	28	1.8	14	12	26	2.1
Chronic obstructive pulmonary diseases & allied conditions	418	164	582	37.2	592	235	827	67.4
Other diseases of respiratory system	170	96	266	17.0	240	132	372	30.3
Diseases of oral cavity, salivary glands and jaws	2	1	3	0.2	0	3	3	0.2
Gastric, duodenal and peptic ulcer, sites unspecified	348	122	470	30.0	388	132	520	42.4
Appendicitis	8	4	12	0.8	13	7	20	1.6
Hernia of abdominal cavity	14	4	18	1.1	11	5	16	1.3
Chronic liver diseases & cirrhosis	306	50	356	22.7	232	54	286	23.3

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	65-69 YEARS				70 YEARS & OVER			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Psychoses	3	0	3	0.3	12	14	26	1.8
Neurotic disorders, personality disorder & other mental disorders	8	2	10	1.1	12	5	17	1.2
Mental retardation	0	0	0	0.0	0	0	0	0.0
Meningitis	10	8	18	2.0	22	16	38	2.6
Epilepsy	5	3	8	0.9	15	15	30	2.1
Other diseases of nervous system	22	21	43	4.7	102	107	209	14.6
Acute rheumatic fever	0	0	0	0.0	7	1	8	0.6
Chronic rheumatic heart disease	20	22	42	4.6	94	72	166	11.6
Hypertension without heart involvement	981	678	1659	180.9	2953	2868	5821	405.9
Hypertension with heart involvement	259	179	438	47.8	689	766	1455	101.4
Acute myocardial infarction	1001	544	1545	168.5	2694	2350	5044	351.7
Other forms of ischaemic heart disease	222	153	375	40.9	1797	2253	4050	282.4
Diseases of pulmonary circulation & other forms of heart disease	1041	717	1758	191.7	4694	4744	9438	658.1
Cerebrovascular disease	1021	804	1825	199.0	3674	3655	7329	511.0
Atherosclerosis	37	32	69	7.5	805	942	1747	121.8
Other diseases of arteries, arterioles and capillaries	18	15	33	3.6	64	65	129	9.0
Venous thrombosis and embolism	3	3	6	0.7	6	12	18	1.3
Other diseases of circulatory system	15	7	22	2.4	21	32	53	3.7
Acute respiratory infections, except bronchitis and bronchilitis	3	3	6	0.7	14	14	28	2.0
Acute bronchitis & bronchiolitis	5	2	7	0.8	22	23	45	3.1
Pneumonia	850	606	1456	158.8	4953	5436	10389	724.4
Influenza	18	17	35	3.8	71	85	156	10.9
Chronic obstructive pulmonary diseases & allied conditions	674	217	891	97.1	1851	1029	2880	200.8
Other diseases of respiratory system	225	174	399	43.5	1865	2082	3947	275.2
Diseases of oral cavity, salivary glands and jaws	1	1	2	0.2	3	2	5	0.3
Gastric, duodenal and peptic ulcer, sites unspecified	379	191	570	62.1	1137	773	1910	133.2
Appendicitis	8	4	12	1.3	16	7	23	1.6
Hernia of abdominal cavity	3	10	13	1.4	34	10	44	3.1
Chronic liver diseases & cirrhosis	173	60	233	25.4	286	152	438	30.5

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	NOT STATED			
	MALE	FEMALE	BOTH SEXES	RATE
Psychoses	0	0	0	0.0
Neurotic disorders, personality disorders and other mental disorders	0	0	0	0.0
Mental retardation	0	0	0	0.0
Meningitis	0	0	0	0.0
Epilepsy	1	0	1	0.002
Other diseases of nervous system	0	0	0	0.0
Acute rheumatic fever	0	0	0	0.0
Chronic rheumatic heart disease	0	0	0	0.0
Hypertension without heart involvement	0	0	0	0.0
Hypertension with heart involvement	0	0	0	0.0
Acute myocardial infarction	0	0	0	0.0
Other forms of ischaemic heart disease	0	0	0	0.0
Diseases of pulmonary circulation & other forms of heart disease	2	0	2	0.003
Cerebrovascular disease	0	0	0	0.0
Atherosclerosis	0	0	0	0.0
Other diseases of arteries, arterioles, and capillaries	0	0	0	0.0
Venous thrombosis and embolism	0	0	0	0.0
Other diseases of circulatory system	0	0	0	0.0
Acute respiratory infections, except bronchitis and bronchiolitis	0	0	0	0.0
Acute bronchitis and bronchiolitis	0	0	0	0.0
Pneumonia	1	0	1	0.002
Influenza	0	0	0	0.0
Chronic obstructive pulmonary disease and allied conditions	1	0	1	0.002
Other diseases of respiratory system	2	0	2	0.003
Diseases of oral cavity, salivary glands and jaws	0	0	0	0.0
Gastric, duodenal and peptic ulcer, sites unspecified	1	0	1	0.002
Appendicitis	0	0	0	0.0
Hernia of abdominal cavity	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	ALL AGES			
	MALE	FEMALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract (574-576)	80	81	161	0.3
Other diseases of digestive system (530;534-537;555-570;572;573;577-579)	3085	1175	4260	6.7
Nephritis, nephrotic syndrome and nephrosis (580-589)	2895	2129	5024	7.9
Infection of kidney (590)	273	233	506	0.8
Calculus of kidney, ureter and lower urinary tract (592;594)	50	10	60	0.1
Hyperplasia of prostate (600)	34	0	34	0.1
Other diseases of genito-urinary system (591;593;595-599;601-608;610;611;614-616;617-629)	495	371	866	1.4
Pregnancy with abortive outcome (630-639)	0	114	114	0.2
Hemorrhages related to pregnancy (640;641)	0	97	97	0.2
Hypertension complicating pregnancy, childbirth and puerperium (642)	0	290	290	0.5
Postpartum hemorrhage (666)	0	386	386	0.6
Normal delivery and other complications related to pregnancy, occurring in the course of labor, delivery and puerperium (643-648;650-665;667-676)	0	257	257	0.4
Diseases of the skin and subcutaneous tissues (680-686;690-698;700-709)	155	135	290	0.5
Arthropathies, dorsopathies and rheumatism (710-729)	230	145	375	0.6
Osteopathies, chonoropathies and acquired musculoskeletal deformities (730-739)	26	15	41	0.1
Congenital Anomalies (740-759)	1496	1146	2642	4.2
Birth trauma (767)	6	4	10	0.02
Birth injury and difficult labor (768;772)	505	357	862	1.4
Respiratory conditions of fetus and newborn (769-771)	2973	2000	4973	7.8
Hemolytic diseases of fetus and newborn (773;774)	34	13	47	0.1
Hematological disorders of fetus and newborn (776)	21	3	24	0.04
Other causes of perinatal morbidity and mortality (760-763;764-766;755;777-779)	4648	3231	7879	12.4



TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**

No. &amp; Rate/100,000 Pop.

**PHILIPPINES**

1991

CAUSE	UNDER 1 YEAR				1-4 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
SEXES								
Cholelithiasis and other disorders of the biliary tract	4	5	9	0.5	0	1	1	0.01
Other diseases of digestive system	180	107	287	15.4	129	66	195	2.8
Nephritis, nephrotic syndrome and nephrosis	28	21	49	2.6	104	65	169	2.5
Infection of kidney	1	2	3	0.2	5	3	8	0.1
Calculus of kidney, ureter and lower urinary tract	0	0	0	0.0	0	0	0	0.0
Hyperplasia of prostate	0	0	0	0.0	0	0	0	0.0
Other diseases of genito-urinary system	14	8	22	1.2	10	12	22	0.3
Pregnancy with abortive outcome	0	0	0	0.0	0	0	0	0.0
Hemorrhages related to pregnancy	0	0	0	0.0	0	0	0	0.0
Hypertension complicating pregnancy, childbirth and puerperium	0	0	0	0.0	0	0	0	0.0
Postpartum hemorrhage	0	0	0	0.0	0	0	0	0.0
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	0	0	0.0	0	0	0	0.0
Diseases of the skin and subcutaneous tissues	20	17	37	2.0	8	4	12	0.2
Arthropathies, dorsopathies and rheumatism	10	7	17	0.9	1	0	1	0.01
Osteopathies, chonoropathies and acquired musculoskeletal deformities	0	1	1	0.1	0	0	0	0.0
Congenital Anomalies	1159	851	2010	107.8	168	157	325	4.7
Birth trauma	6	4	10	0.5	0	0	0	0.0
Birth injury and difficult labor	505	357	862	46.2	0	0	0	0.0
Respiratory conditions of fetus and newborn	2973	2000	4973	266.8	0	0	0	0.0
Hemolytic diseases of fetus and newborn	34	13	47	2.5	0	0	0	0.0
Hematological disorders of fetus and newborn	21	3	24	1.3	0	0	0	0.0
Other causes of perinatal morbidity and mortality	4648	3231	7879	422.7	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	5 - 9 YEARS				10 - 14 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
	SEXES				SEXES			
Cholelithiasis and other disorders of the biliary tract	1	1	2	0.02	0	2	2	0.03
Other diseases of digestive system	80	48	128	1.5	75	39	114	1.5
Nephritis, nephrotic syndrome and nephrosis	60	43	103	1.2	29	41	70	0.9
Infection of kidney	2	1	3	0.04	5	4	9	0.1
Calculus of kidney, ureter and lower urinary tract	2	0	2	0.02	0	0	0	0.0
Hyperplasia of prostate	0	0	0	0.0	0	0	0	0.0
Other diseases of genito-urinary system	6	5	11	0.1	5	6	11	0.1
Pregnancy with abortive outcome	0	0	0	0.0	0	9	9	0.1
Hemorrhages related to pregnancy	0	0	0	0.0	0	10	10	0.1
Hypertension complicating pregnancy, childbirth and puerperium	0	0	0	0.0	0	7	7	0.1
Postpartum hemorrhage	0	0	0	0.0	0	5	5	0.1
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	0	0	0.0	0	96	96	1.3
Diseases of the skin and subcutaneous tissues	4	0	4	0.05	9	6	15	0.2
Arthropathies, dorsopathies and rheumatism	0	0	0	0.0	3	1	4	0.1
Osteopathies, chonoropathies and acquired musculoskeletal deformities	1	2	3	0.04	0	2	2	0.03
Congenital Anomalies	50	41	91	1.1	40	20	60	0.8
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15 - 19 YEARS				20 - 24 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
			SEAS				SEAS	
Cholelithiasis and other disorders of the biliary tract	3	0	3	0.04	3	1	4	0.1
Other diseases of digestive system	79	42	121	1.8	273	35	308	5.1
Nephritis, nephrotic syndrome and nephrosis	61	54	115	1.7	89	69	158	2.6
Infection of kidney	5	7	12	0.2	5	5	10	0.2
Calculus of kidney, ureter and lower urinary tract	0	0	0	0.0	0	0	0	0.0
Hyperplasia of prostate	0	0	0	0.0	1	0	1	0.02
Other diseases of genito-urinary system	5	8	13	0.2	20	10	30	0.5
Pregnancy with abortive outcome	0	4	4	0.1	0	21	21	0.3
Hemorrhages related to pregnancy	0	3	3	0.04	0	9	9	0.1
Hypertension complicating pregnancy, childbirth and puerperium	0	8	8	0.1	0	24	24	0.4
Postpartum hemorrhage	0	27	27	0.4	0	60	60	1.0
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	6	6	0.1	0	25	25	0.4
Diseases of the skin and subcutaneous tissues	9	8	17	0.3	4	8	12	0.2
Arthropathies, dorsopathies and rheumatism	1	1	2	0.03	1	2	3	0.05
Osteopathies, chonoropathies and acquired musculoskeletal deformities	3	0	3	0.04	1	0	1	0.02
Congenital Anomalies	14	23	37	0.5	15	13	28	0.5
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

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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	2	3	5	0.1	4	2	6	0.1
Other diseases of digestive system	344	49	393	7.4	266	49	315	6.8
Nephritis, nephrotic syndrome and nephrosis	105	83	188	3.5	136	104	240	5.2
Infection of kidney	12	14	26	0.5	2	10	12	0.3
Calculus of kidney, ureter and lower urinary tract	0	1	1	0.02	0	0	0	0.0
Hyperplasia of prostate	0	0	0	0.0	0	0	0	0.0
Other diseases of genito-urinary system	16	16	32	0.6	11	23	34	0.7
Pregnancy with abortive outcome	0	19	19	0.4	0	24	24	0.5
Hemorrhages related to pregnancy	0	18	18	0.3	0	17	17	0.4
Hypertension complicating pregnancy, childbirth and puerperium	0	34	34	0.6	0	35	35	0.8
Postpartum hemorrhage	0	81	81	1.5	0	94	94	2.0
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	33	33	0.6	0	36	36	0.8
Diseases of the skin and subcutaneous tissues	3	10	13	0.2	3	5	8	0.2
Arthropathies, dorsopathies and rheumatism	6	3	9	0.2	4	3	7	0.2
Osteopathies, chonoropathies and acquired musculoskeletal deformities	2	0	2	0.04	2	1	3	0.1
Congenital Anomalies	11	5	16	0.3	9	5	14	0.3
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-20 YEARS				40-45 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Cholelithiasis and other disorders of the biliary tract	3	2	5	0.1	2	6	8	0.3
Other diseases of digestive system	260	57	317	8.3	211	58	269	9.0
Nephritis, nephrotic syndrome and nephrosis	121	111	232	6.1	163	106	269	9.0
Infection of kidney	14	5	19	0.5	14	13	27	0.9
Calculus of kidney, ureter and lower urinary tract	1	1	2	0.1	4	0	4	0.1
Hyperplasia of prostate	0	0	0	0.0	0	0	0	0.0
Other diseases of genito-urinary system	18	20	38	1.0	19	23	42	1.4
Pregnancy with abortive outcome	0	19	19	0.5	0	9	9	0.3
Hemorrhages related to pregnancy	0	25	25	0.7	0	11	11	0.4
Hypertension complicating pregnancy, childbirth and puerperium	0	35	35	0.9	0	23	23	0.8
Postpartum hemorrhage	0	66	66	1.7	0	41	41	1.4
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	40	40	1.0	0	11	11	0.4
Diseases of the skin and subcutaneous tissues	3	5	8	0.2	4	6	10	0.3
Arthropathies, dorsopathies and rheumatism	0	2	2	0.1	9	2	11	0.4
Osteopathies, chonoropathies and acquired musculoskeletal deformities	1	1	2	0.1	3	0	3	0.1
Congenital Anomalies	2	2	4	0.1	4	2	6	0.2
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	45 - 49 YEARS			50 - 54 YEARS				
	MALE	FEMALE	BOTH SEXES	MALE	FEMALE	BOTH SEXES	MALE	FEMALE
Cholelithiasis and other disorders of the biliary tract	7	3	10	0.4	8	5	13	0.7
Other diseases of digestive system	201	62	263	11.1	171	59	230	11.7
Nephritis, nephrotic syndrome and nephrosis	163	89	252	10.6	189	139	328	16.6
Infection of kidney	23	8	31	1.3	19	18	37	1.9
Calculus of kidney, ureter and lower urinary tract	6	0	6	0.3	8	0	8	0.4
Hyperplasia of prostate	0	0	0	0.0	0	0	0	0.0
Other diseases of genito-urinary system	24	14	38	1.6	25	22	47	2.4
Pregnancy with abortive outcome	0	5	5	0.2	0	4	4	0.2
Hemorrhages related to pregnancy	0	1	1	0.04	0	3	3	0.2
Hypertension complicating pregnancy, childbirth and puerperium	0	5	5	0.2	0	119	119	6.0
Postpartum hemorrhage	0	6	6	0.3	0	6	6	0.3
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	2	2	0.1	0	8	8	0.4
Diseases of the skin and subcutaneous tissues	3	6	9	0.4	13	6	19	1.0
Arthropathies, dorsopathies and rheumatism	3	0	3	0.1	13	7	20	1.0
Osteopathies, chonoropathies and acquired musculoskeletal deformities	1	0	1	0.04	3	0	3	0.2
Congenital Anomalies	3	3	6	0.3	3	1	4	0.2
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15 - 59 YEARS				60 - 64 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Cholelithiasis and other disorders of the biliary tract	8	7	15	1.0	6	6	12	1.0
Other diseases of digestive system	179	62	241	15.4	145	90	235	19.1
Nephritis, nephrotic syndrome and nephrosis	207	135	342	21.8	237	177	414	33.7
Infection of kidney	19	19	38	2.4	19	17	36	2.9
Calculus of kidney, ureter and lower urinary tract	9	1	10	0.6	6	2	8	0.7
Hyperplasia of prostate	1	0	1	0.1	2	0	2	0.2
Other diseases of genito-urinary system	46	23	69	4.4	43	31	74	6.0
Pregnancy with abortive outcome	0	0	0	0.0	0	0	0	0.0
Hemorrhages related to pregnancy	0	0	0	0.0	0	0	0	0.0
Hypertension complicating pregnancy, childbirth and puerperium	0	0	0	0.0	0	0	0	0.0
Postpartum hemorrhage	0	0	0	0.0	0	0	0	0.0
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	0	0	0.0	0	0	0	0.0
Diseases of the skin and subcutaneous tissues	4	1	5	0.3	10	8	18	1.5
Arthropathies, dorsopathies and rheumatism	9	2	11	0.7	8	4	12	1.0
Osteopathies, chonoropathies and acquired musculoskeletal deformities	0	0	0	0.0	1	3	4	0.3
Congenital Anomalies	2	4	6	0.4	0	1	1	0.1
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

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CAUSE	65-69 YEARS				70 YEARS & OVER			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
			SEXES				SEXES	
Cholelithiasis and other disorders of the biliary tract	7	8	15	1.6	22	29	51	3.6
Other diseases of digestive system	142	71	213	23.2	350	281	631	44.0
Nephritis, nephrotic syndrome and nephrosis	249	170	419	45.7	954	722	1676	116.9
Infection of kidney	34	23	57	6.2	91	84	175	12.2
Calculus of kidney, ureter and lower urinary tract	3	1	4	0.4	11	4	15	1.0
Hyperplasia of prostate	2	0	2	0.2	28	0	28	2.0
Other diseases of genito-urinary system	48	31	79	8.6	185	119	304	21.2
Pregnancy with abortive outcome	0	0	0	0.0	0	0	0	0.0
Hemorrhages related to pregnancy	0	0	0	0.0	0	0	0	0.0
Hypertension complicating pregnancy, childbirth and puerperium	0	0	0	0.0	0	0	0	0.0
Postpartum hemorrhage	0	0	0	0.0	0	0	0	0.0
Normal delivery and other complications related to pregnancy, occurring in the course of labor delivery & puerperium	0	0	0	0.0	0	0	0	0.0
Diseases of the skin and subcutaneous tissues	14	5	19	2.1	44	40	84	5.9
Arthropathies, dorsopathies and rheumatism	24	11	35	3.8	138	100	238	16.6
Osteopathies, chonoropathies and acquired musculoskeletal deformities	1	0	1	0.1	7	5	12	0.8
Congenital Anomalies	2	1	3	0.3	14	17	31	2.2
Birth trauma	0	0	0	0.0	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0	0	0	0	0.0
Chronic liver diseases & cirrhosis	0	0	0	0.0	0	0	0	0.0



TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	NOT STATED			RATE
	MALE	FEMALE	BOTH SEXES	
Cholelithiasis and other disorders of the biliary tract	0	0	0	0.0
Other diseases of digestive system	0	0	0	0.0
Nephritis, nephrotic syndrome and nephrosis	0	0	0	0.0
Infection of kidney	0	0	0	0.0
Calculus of kidney, ureter and lower urinary tract	0	0	0	0.0
Hyperplasia of prostate	0	0	0	0.0
Other diseases of genito-urinary system	0	0	0	0.0
Pregnancy with abortive outcome	0	0	0	0.0
Hemorrhages related to pregnancy	0	0	0	0.0
Hypertension complicating pregnancy, childbirth and puerperium	0	0	0	0.0
Postpartum hemorrhage	0	0	0	0.0
Normal delivery and other complications related to pregnancy, occurring in the course of labor, delivery and puerperium	0	0	0	0.0
Diseases of the skin and subcutaneous tissues	0	0	0	0.0
Arthropathies, dorsopathies and rheumatism	0	0	0	0.0
Osteopathies, chonoropathies and acquired musculoskeletal deformities	0	0	0	0.0
Congenital Anomalies	0	0	0	0.0
Birth trauma	0	0	0	0.0
Birth injury and difficult labor	0	0	0	0.0
Respiratory conditions of fetus and newborn	0	0	0	0.0
Hemolytic diseases of fetus and newborn	0	0	0	0.0
Hematological disorders of fetus and newborn	0	0	0	0.0
Other causes of perinatal morbidity and mortality	0	0	0	0.0

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	ALL AGES			RATE
	MALE	FEMALE	BOTH SEXES	
Senility without mention of psychoses (797)	4385	5939	10324	16.2
Symptoms, signs and ill-defined conditions (780-796;798-799)	7100	3856	10956	17.2
Fractures, dislocations, sprains and strains (800-848)	637	199	836	1.3
Intracranial injury, excluding those with skull fracture (850-854;950-957)	761	265	1026	1.6
Internal injury of chest, abdomen and pelvis (860-869)	106	34	140	0.2
Open wounds (870-887;890-897)	305	59	364	0.6
Burns (940-949)	202	157	359	0.6
Poisoning and toxic effects (960-989)	137	38	175	0.3
All others, and unspecified effects of external causes (900-939;958;959;990-999)	528	212	740	1.2
Railway accidents (E800-E807)	29	7	36	0.1
Motor vehicle traffic accidents (E810-E819)	2037	795	2832	4.5
Water and transport accidents (E830-E838)	3	2	5	0.01
Air & space transport accidents (E840-E845)	4	3	7	0.01
Other transport accidents (E820-E829;E846-E848)	5	3	8	0.01
Accidental poisoning, all kinds (E850-E869)	31	9	40	0.1
Accidental falls (E880-E888)	361	136	497	0.8
Accidents caused by fires and flames (E890-E899)	37	15	52	0.1
Accidents due to natural and environmental (E900-E909)	486	325	811	1.3
Accidents caused by submersion, suffocation and foreign bodies (E910-E915)	1629	762	2391	3.8
All other accidents, including adverse effects in therapeutic use of drugs medicaments and other biological substances, and late effects of accidental injury (E870-E876;E878;E879;E916-E949)	561	81	642	1.0
Suicide & self-inflicted injury (E950-E959)	277	138	415	0.7
Legal intervention (E970-E978)	14	1	15	0.02
Homicide and injury purposely inflicted by other persons (E960-E969)	89	4	93	0.1
Injury undetermined whether accidentally or purposely inflicted (E980-E989)	13463	1649	15112	23.8
Injury resulting from operations of war (E990-E999)	6	3	9	0.01

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	1991 YEAR				1990 YEAR			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
	SEXES		SEXES		SEXES		SEXES	
Senility w/o mention of psychoses	0	0	0	0.0	0	0	0	0.0
Symptoms, signs and ill-defined conditions	684	531	1215	65.2	434	358	792	11.6
Fractures, dislocations, sprains and strains	5	4	9	0.5	24	11	35	0.5
Intracranial injury, excluding those with skull fracture	23	11	34	1.8	20	8	28	0.4
Internal injury of chest, abdomen and pelvis	1	1	2	0.1	2	1	3	0.04
Open wounds	3	1	4	0.2	5	3	8	0.1
Burns	12	10	22	1.2	38	34	72	1.1
Poisoning and toxic effects	4	2	6	0.3	3	2	5	0.1
All others, and unspecified effects of external causes	24	11	35	1.9	19	15	34	0.5
Railway accidents	2	2	4	0.2	2	0	2	0.03
Motor vehicle traffic accidents	8	7	15	0.8	83	41	124	1.8
Water and transport accidents	0	0	0	0.0	0	0	0	0.0
Air & space transport accidents	0	0	0	0.0	0	0	0	0.0
Other transport accidents	0	0	0	0.0	0	0	0	0.0
Accidental poisoning, all kinds	0	0	0	0.0	1	1	2	0.03
Accidental falls	4	8	12	0.6	27	23	50	0.7
Accidents caused by fires & flames	2	1	3	0.2	9	4	13	0.2
Accidents due to natural and environmental	15	16	31	1.7	41	29	70	1.0
Accidents caused by submersion, suffocation & foreign bodies	33	20	53	2.8	339	225	564	8.2
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	3	0	3	0.2	13	4	17	0.2
Suicide and self-inflicted injury	0	0	0	0.0	0	0	0	0.0
Legal intervention	0	0	0	0.0	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	0	0	0	0.0	0	0	0	0.0
Injury undetermined whether accidentally or purposely inflicted	27	8	35	1.9	63	53	116	1.7
Injury resulting from operations of war	0	0	0	0.0	0	1	1	0.01

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	5-14 YEARS				15-19 YEARS			
	MALE	FEMALE	BOTH	RATE	MALE	FEMALE	BOTH	RATE
Senility w/o mention of psychoses	0	0	0	0.0	0	0	0	0.0
Symptoms, signs and ill-defined conditions	232	144	376	4.5	190	109	299	3.9
Fractures, dislocations, sprains and strains	32	21	53	0.6	34	15	49	0.6
Intracranial injury, excluding those with skull fracture	29	22	51	0.6	29	13	42	0.5
Internal injury of chest, abdomen and pelvis	8	1	9	0.1	5	2	7	0.1
Open wounds	8	4	12	0.1	9	2	11	0.1
Burns	14	18	32	0.4	8	8	16	0.2
Poisoning and toxic effects	0	1	1	0.01	2	5	7	0.1
All others, and unspecified effects of external causes	32	20	52	0.6	22	15	37	0.5
Railway accidents	2	1	3	0.04	0	0	0	0.0
Motor vehicle traffic accidents	194	128	322	3.9	127	59	186	2.4
Water and transport accidents	1	0	1	0.01	0	0	0	0.0
Air & space transport accidents	0	0	0	0.0	0	0	0	0.0
Other transport accidents	0	0	0	0.0	1	1	2	0.03
Accidental poisoning, all kinds	0	1	1	0.01	0	0	0	0.0
Accidental falls	19	11	30	0.4	25	12	37	0.5
Accidents caused by fires & flames	1	3	4	0.05	0	1	1	0.01
Accidents due to natural and environmental	64	56	120	1.4	54	35	89	1.2
Accidents caused by submersion, suffocation & foreign bodies	295	144	439	5.3	201	138	339	4.4
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	19	9	28	0.3	39	7	46	0.6
Suicide and self-inflicted injury	0	0	0	0.0	0	0	0	0.0
Legal intervention	0	0	0	0.0	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	2	1	3	0.04	2	1	3	0.04
Injury undetermined whether accidentally or purposely inflicted	76	52	128	1.5	135	70	205	2.7
Injury resulting from operations of war	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15-19 YEARS				20-24 YEARS			
	MALE	FEMALE	TOTAL	RATE	MALE	FEMALE	TOTAL	RATE
Senility w/o mention of psychoses	0	0	0	0.0	0	0	0	0.0
Symptoms, signs and ill-defined conditions	261	144	405	6.0	580	210	790	13.1
Fractures, dislocations, sprains and strains	43	10	53	0.8	73	8	81	1.3
Intracranial injury, excluding those with skull fracture	36	10	46	0.7	76	13	89	1.5
Internal injury of chest, abdomen and pelvis	8	1	9	0.1	11	6	17	0.3
Open wounds	21	2	23	0.3	29	1	30	0.5
Burns	10	9	19	0.3	18	18	36	0.6
Poisoning and toxic effects	10	3	13	0.2	11	3	14	0.2
All others, and unspecified effects of external causes	40	15	55	0.8	68	13	81	1.3
Railway accidents	1	1	2	0.0	0	0	0	0.0
Motor vehicle traffic accidents	150	43	193	2.9	239	48	287	4.8
Water and transport accidents	0	0	0	0.0	0	0	0	0.0
Air & space transport accidents	0	0	0	0.0	0	0	0	0.0
Other transport accidents	0	0	0	0.0	1	0	1	0.02
Accidental poisoning, all kinds	2	2	4	0.1	5	4	9	0.1
Accidental falls	12	1	13	0.2	16	2	18	0.3
Accidents caused by fires & flames	0	0	0	0.0	5	0	5	0.1
Accidents due to natural and environmental	46	29	75	1.1	38	25	63	1.0
Accidents caused by submersion, suffocation & foreign bodies	118	44	162	2.4	121	22	143	2.4
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	77	4	81	1.2	85	5	90	1.5
Suicide and self-inflicted injury	45	39	84	1.2	54	27	81	1.3
Legal intervention	1	1	2	0.03	4	0	4	0.1
Homicide and injury purposely inflicted by other persons	3	0	3	0.04	15	0	15	0.2
Injury undetermined whether accidentally or purposely inflicted	841	222	1063	15.8	2296	205	2501	41.6
Injury resulting from operations of war	0	0	0	0.0	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	25 - 29 YEARS				30 - 34 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Senility w/o mention of psychoses	0	0	0	0.0	0	0	0	0.0
Symptoms, signs and ill-defined conditions	654	199	853	16.1	519	195	714	15.5
Fractures, dislocations, sprains and strains	63	6	69	1.3	66	13	79	1.7
Intracranial injury, excluding those with skull fracture	72	15	87	1.6	73	9	82	1.8
Internal injury of chest, abdomen and pelvis	19	5	24	0.5	10	5	15	0.3
Open wounds	41	3	44	0.8	31	5	36	0.8
Burns	20	8	28	0.5	17	8	25	0.5
Poisoning and toxic effects	14	3	17	0.3	18	2	20	0.4
All others, and unspecified effects of external causes	55	14	69	1.3	58	7	65	1.4
Railway accidents	2	0	2	0.04	2	0	2	0.04
Motor vehicle traffic accidents	224	40	264	5.0	200	50	250	5.4
Water and transport accidents	0	0	0	0.0	0	0	0	0.0
Air & space transport accidents	1	0	1	0.02	2	0	2	0.04
Other transport accidents	1	1	2	0.04	0	0	0	0.0
Accidental poisoning, all kinds	7	1	8	0.2	7	0	7	0.2
Accidental falls	17	2	19	0.4	18	4	22	0.5
Accidents caused by fires & flames	4	0	4	0.1	0	1	1	0.02
Accidents due to natural and environmental	37	19	56	1.1	32	19	51	1.1
Accidents caused by submersion, suffocation & foreign bodies	99	26	125	2.4	95	13	108	2.3
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	76	12	88	1.7	51	9	60	1.3
Suicide and self-inflicted injury	39	15	54	1.0	26	11	37	0.8
Legal intervention	2	0	2	0.04	4	0	4	0.1
Homicide and injury purposely inflicted by other persons	19	1	20	0.4	13	0	13	0.3
Injury undetermined whether accidentally or purposely inflicted	2438	196	2634	49.6	2081	174	2255	49.0
Injury resulting from operations of war	2	0	2	0.04	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**

No. &amp; Rate/100,000 Pop.

**PHILIPPINES**

1991

CAUSE	35 - 39 YEARS				40 - 44 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Senility w/o mention of psychoses	0	0	0	0.0	0	0	0	0.0
Symptoms, signs and ill-defined conditions	569	184	753	19.7	413	148	561	18.8
Fractures, dislocations, sprains and strains	50	10	60	1.6	53	11	64	2.1
Intracranial injury, excluding those with skull fracture	74	11	85	2.2	47	11	58	1.9
Internal injury of chest, abdomen and pelvis	10	1	11	0.3	10	3	13	0.4
Open wounds	31	3	34	0.9	31	6	37	1.2
Burns	9	7	16	0.4	5	6	11	0.4
Poisoning and toxic effects	12	1	13	0.3	10	2	12	0.4
All others, and unspecified effects of external causes	29	11	40	1.0	31	10	41	1.4
Railway accidents	1	0	1	0.03	1	0	1	0.03
Motor vehicle traffic accidents	170	52	222	5.8	130	50	180	6.0
Water and transport accidents	1	0	1	0.03	0	0	0	0.0
Air & space transport accidents	1	0	1	0.03	0	3	3	0.1
Other transport accidents	0	0	0	0.0	1	0	1	0.03
Accidental poisoning, all kinds	0	0	0	0.0	3	0	3	0.1
Accidental falls	20	0	20	0.5	15	3	18	0.6
Accidents caused by fires & flames	3	0	3	0.1	3	0	3	0.1
Accidents due to natural and environmental	24	12	36	0.9	24	17	41	1.4
Accidents caused by submersion, suffocation & foreign bodies	57	20	77	2.0	50	21	71	2.4
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	54	5	59	1.5	37	2	39	1.3
Suicide and self-inflicted injury	22	11	33	0.9	29	9	38	1.3
Legal intervention	3	0	3	0.1	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	8	0	8	0.2	7	0	7	0.2
Injury undetermined whether accidentally or purposely inflicted	1727	131	1858	48.6	1219	104	1323	44.3
Injury resulting from operations of war	1	0	1	0.03	1	0	1	0.03

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	45 - 49 YEARS				50 - 54 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Senility w/o mention of psychoses	0	0	0	0.0	0	0	0	0.0
Symptoms, signs and ill-defined conditions	377	127	504	21.2	312	133	445	22.6
Fractures, dislocations, sprains and strains	28	8	36	1.5	33	11	44	2.2
Intracranial injury, excluding those with skull fracture	63	15	78	3.3	42	9	51	2.6
Internal injury of chest, abdomen and pelvis	11	3	14	0.6	1	0	1	0.1
Open wounds	29	3	32	1.3	24	5	29	1.5
Burns	11	1	12	0.5	4	2	6	0.3
Poisoning and toxic effects	16	4	20	0.8	13	1	14	0.7
All others, and unspecified effects of external causes	29	8	37	1.6	25	13	38	1.9
Railway accidents	2	0	2	0.1	0	1	1	0.1
Motor vehicle traffic accidents	114	42	156	6.6	103	44	147	7.4
Water and transport accidents	0	0	0	0.0	0	0	0	0.0
Air & space transport accidents	0	0	0	0.0	0	0	0	0.0
Other transport accidents	0	0	0	0.0	0	0	0	0.0
Accidental poisoning, all kinds	1	0	1	0.04	1	0	1	0.1
Accidental falls	26	3	29	1.2	25	4	29	1.5
Accidents caused by fires & flames	0	0	0	0.0	2	0	2	0.1
Accidents due to natural and environmental	29	11	40	1.7	12	16	28	1.4
Accidents caused by submersion, suffocation & foreign bodies	43	11	54	2.3	37	7	44	2.2
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	27	3	30	1.3	13	3	16	0.8
Suicide and self-inflicted injury	10	6	16	0.7	15	7	22	1.1
Legal intervention	0	0	0	0.0	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	6	0	6	0.3	7	0	7	0.4
Injury undetermined whether accidentally or purposely inflicted	827	94	921	38.8	599	92	691	35.0
Injury resulting from operations of war	0	1	1	0.04	0	0	0	0.0



TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	15 - 59 YEARS				60 - 64 YEARS			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Senility w/o mention of psychoses	18	9	27	1.7	51	50	101	8.2
Symptoms, signs and ill-defined conditions	309	134	443	28.3	322	135	457	37.2
Fractures, dislocations, sprains and strains	29	6	35	2.2	18	12	30	2.4
Intracranial injury, excluding those with skull fracture	38	15	53	3.4	35	22	57	4.6
Internal injury of chest, abdomen and pelvis	6	0	6	0.4	1	1	2	0.2
Open wounds	16	6	22	1.4	11	2	13	1.1
Burns	6	2	8	0.5	4	3	7	0.6
Poisoning and toxic effects	10	2	12	0.8	4	3	7	0.6
All others, and unspecified effects of external causes	16	15	31	2.0	16	4	20	1.6
Railway accidents	1	0	1	0.1	2	0	2	0.2
Motor vehicle traffic accidents	83	40	123	7.9	57	32	89	7.3
Water and transport accidents	0	0	0	0.0	0	0	0	0.0
Air & space transport accidents	0	0	0	0.0	0	0	0	0.0
Other transport accidents	0	0	0	0.0	1	0	1	0.1
Accidental poisoning, all kinds	2	0	2	0.1	0	0	0	0.0
Accidental falls	31	2	33	2.1	21	15	36	2.9
Accidents caused by fires & flames	0	0	0	0.0	0	2	2	0.2
Accidents due to natural and environmental	21	15	36	2.3	16	6	22	1.8
Accidents caused by submersion, suffocation & foreign bodies	39	13	52	3.3	29	14	43	3.5
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	20	2	22	1.4	9	4	13	1.1
Suicide and self-inflicted injury	8	3	11	0.7	9	6	15	1.2
Legal intervention	0	0	0	0.0	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	4	0	4	0.3	1	0	1	0.1
Injury undetermined whether accidentally or purposely inflicted	410	61	471	30.1	228	62	290	23.6
Injury resulting from operations of war	2	0	2	0.1	0	0	0	0.0

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1991**

CAUSE	65 - 69 YEARS				70 YEARS & OVER			
	MALE	FEMALE	BOTH SEXES	RATE	MALE	FEMALE	BOTH SEXES	RATE
Senility w/o mention of psychoses	91	74	165	18.0	4223	5805	10028	699.2
Symptoms, signs and ill-defined conditions	283	158	441	48.1	961	947	1908	133.0
Fractures, dislocations, sprains and strains	34	11	45	4.9	52	42	94	6.6
Intracranial injury, excluding those with skull fracture	28	22	50	5.5	76	59	135	9.4
Internal injury of chest, abdomen and pelvis	1	1	2	0.2	2	3	5	0.3
Open wounds	8	3	11	1.2	8	10	18	1.3
Burns	5	3	8	0.9	21	20	41	2.9
Poisoning and toxic effects	4	1	5	0.5	6	3	9	0.6
All others, and unspecified effects of external causes	11	7	18	2.0	53	34	87	6.1
Railway accidents	3	1	4	0.4	8	1	9	0.6
Motor vehicle traffic accidents	48	39	87	9.5	107	80	187	13.0
Water and transport accidents	0	0	0	0.0	1	1	2	0.1
Air & space transport accidents	0	0	0	0.0	0	0	0	0.0
Other transport accidents	0	1	1	0.1	0	1	1	0.1
Accidental poisoning, all kinds	0	0	0	0.0	2	0	2	0.1
Accidental falls	22	7	29	3.2	63	38	101	7.0
Accidents caused by fires & flames	2	0	2	0.2	6	3	9	0.6
Accidents due to natural and environmental	15	6	21	2.3	18	14	32	2.2
Accidents caused by submersion, suffocation & foreign bodies	15	13	28	3.1	58	31	89	6.2
All other accidents, including adverse effects in therapeutic use of drugs, medicaments and other biological substances, & late effects of accidental injury	9	4	13	1.4	29	8	37	2.6
Suicide and self-inflicted injury	6	3	9	1.0	14	1	15	1.0
Legal intervention	0	0	0	0.0	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	1	0	1	0.1	1	1	2	0.1
Injury undetermined whether accidentally or purposely inflicted	149	52	201	21.9	345	72	417	29.1
Injury resulting from operations of war	0	0	0	0.0	0	1	1	0.1

TABLE 23

**MORTALITY: 150 CAUSE-GROUPS BY AGE & SEX****No. & Rate/100,000 Pop.****PHILIPPINES****1991**

CAUSE	NOT STATED			RATE
	MALE	FEMALE	BOTH SEXES	
Senility without mention of psychoses	2	1	3	0.005
Symptoms, signs and ill-defined conditions	0	0	0	0.0
Fractures, dislocations, sprains and strains	0	0	0	0.0
Intracranial injury, excluding those with skull fracture	0	0	0	0.0
Internal injury of chest, abdomen and pelvis	0	0	0	0.0
Open wounds	0	0	0	0.0
Burns	0	0	0	0.0
Poisoning and toxic effects	0	0	0	0.0
All others, and unspecified effects of external causes	0	0	0	0.0
Railway accidents	0	0	0	0.0
Motor vehicle traffic accidents	0	0	0	0.0
Water and transport accidents	0	0	0	0.0
Air & space transport accidents	0	0	0	0.0
Other transport accidents	0	0	0	0.0
Accidental poisoning, all kinds	0	0	0	0.0
Accidental falls	0	0	0	0.0
Accidents caused by fires and flames	0	0	0	0.0
Accidents due to natural and environmental	0	0	0	0.0
Accidents caused by submersion, suffocation and foreign bodies	0	0	0	0.0
All other accidents, including adverse effects in therapeutic use of drugs medicaments and other biological substances, and late effects of accidental injury	0	0	0	0.0
Suicide & self-inflicted injury	0	0	0	0.0
Legal intervention	0	0	0	0.0
Homicide and injury purposely inflicted by other persons	0	0	0	0.0
Injury undetermined whether accidentally or purposely inflicted	2	0	2	0.003
Injury resulting from operations of war	0	0	0	0.0

TABLE 24

**MORTALITY: 17 CAUSE GROUPS**  
**No. & Rate/100,000 Pop. & Percent Distribution**  
**PHILIPPINES**  
**1991**

CAUSE GROUP	MALE	FEMALE	BOTH SEXES	RATE/100,000 POP.	% OF TOTAL DEATHS
<b>TOTAL DEATHS FROM ALL CAUSES</b>	<b>177,819</b>	<b>120,244</b>	<b>298,063</b>	<b>507.58</b>	<b>100.0</b>
Infective and parasitic diseases (001-136)	25,527	15,753	41,280	70.3	13.8
Neoplasms (140-239)	12,036	10,348	22,384	38.1	7.5
Endocrine, Nutritional and Metabolic Diseases (250-279)	5,171	4,854	10,025	17.1	3.4
Diseases of Blood and Blood Forming Organs (280-289)	1,330	1,256	2,586	4.4	0.9
Mental Disorder (290-319)	230	57	287	0.49	0.096
Diseases of the Nervous System and Sense Organs (320-389)	2,455	1,796	4,251	7.2	1.4
Diseases of Circulatory System (390-459)	45,561	33,801	79,362	135.2	26.6
Diseases of the Respiratory System (460-519)	29,068	23,138	52,206	88.9	17.5
Diseases of Digestive System (520-579)	9,407	3,613	13,020	22.2	4.4
Diseases of Genito-Urinary System (580-629)	3,747	2,743	6,490	11.1	2.2
Complication of pregnancy and the puerperium (630-676)	0	1,144	1,144	1.9	0.4
Diseases of the skin and subcutaneous tissues (680-709)	155	135	290	0.5	0.1
Diseases of musculoskeletal system and connective tissue (710-739)	256	160	416	0.7	0.1
Congenital Anomalies (740-759)	1,496	1,146	2,642	4.5	0.9
Certain causes of perinatal morbidity and mortality (760-779)	8,187	5,608	13,795	23.5	4.6
Symptoms and ill-defined conditions (780-799)	11,485	9,795	21,280	36.2	7.1
Accidents, poisoning and violence (External Causes) (800-999; E800-E999)	21,708	4,897	26,605	45.3	8.9

TABLE 25

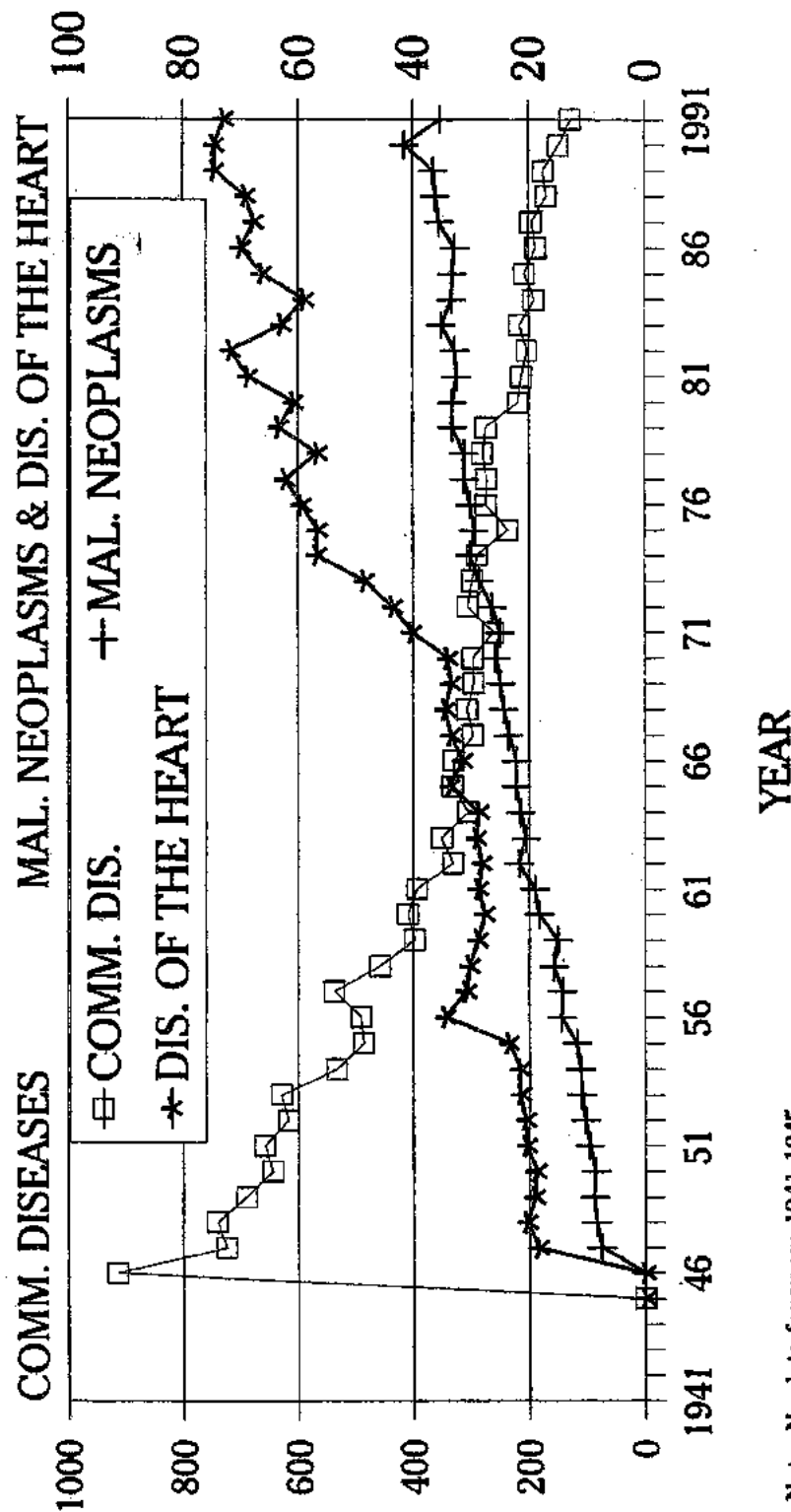
**MORTALITY: COMMUNICABLE DISEASES: MALIGNANT NEOPLASMS  
AND DISEASES OF THE HEART**  
No. & Rate/100,000 Pop.  
**PHILIPPINES**  
1941-1991

YEAR	COMMUNICABLE DISEASES		MALIGNANT NEOPLASMS		DISEASES OF THE HEART	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1991	80,513	126.6	22,384	35.2	46,381	72.9
1990	91,349	147.2	25,738	41.5	46,272	74.6
1989	104,525	173.9	21,933	36.5	44,856	74.6
1988	98,997	168.6	21,184	36.1	40,566	69.1
1987	111,383	194.2	20,367	35.5	38,840	67.7
1986	104,792	187.1	18,395	32.8	39,163	69.9
1985	112,998	206.7	18,143	33.2	36,242	66.3
1984	101,119	190.1	17,700	33.3	31,347	58.9
1983	110,513	215.0	17,997	35.0	32,320	62.9
1982	103,868	202.2	16,832	32.8	36,819	71.7
1981	104,740	211.4	16,059	32.4	34,055	68.7
1980	105,281	217.9	16,019	33.2	29,355	60.8
1979	127,453	273.6	15,449	33.2	29,473	63.3
1978	127,413	279.9	14,158	31.1	25,768	56.6
1977	122,266	271.7	13,977	31.1	28,006	62.2
1976	119,738	273.7	13,173	30.1	25,988	59.4
1975	100,299	235.9	12,493	29.4	24,060	56.6
1974	119,394	288.0	12,469	30.1	23,522	56.7
1973	119,737	297.7	11,490	28.6	19,474	48.4
1972	119,268	305.5	10,268	26.3	16,971	43.5
1971	99,239	261.4	9,480	25.0	15,277	40.2
1970	109,103	296.1	9,485	25.7	12,531	34.0
1969	109,649	295.1	9,256	24.9	12,423	33.4
1968	110,024	306.6	8,712	24.3	12,347	34.4
1967	104,149	295.9	8,229	23.4	11,739	33.4
1966	110,046	328.7	7,382	22.1	10,514	31.4
1965	107,043	330.9	7,186	22.2	10,854	33.6
1964	95,308	304.8	6,658	21.3	8,930	28.6
1963	105,999	350.5	6,198	20.5	8,769	29.0
1962	96,715	330.6	6,347	21.7	8,209	28.1
1961	111,273	333.0	5,392	19.0	8,112	28.7
1960	112,075	408.9	4,982	18.2	7,558	28.8
1959	106,814	396.7	4,026	15.0	7,887	30.2
1958	119,451	457.7	4,100	15.7	7,797	30.8
1957	135,829	537.0	3,582	14.2	8,423	34.4
1956	120,223	490.4	3,528	14.4	5,559	23.4
1955	115,284	485.3	2,786	11.7	4,942	21.5
1954	122,671	532.8	2,550	11.1	4,769	21.4
1953	140,241	628.4	2,404	10.8	4,430	20.5
	133,308	616.4	2,201	10.2	4,282	20.4
			1,085	9.5	3,222	18.7

# MORTALITY TREND: COMMUNICABLE DISEASES

## MAL. NEOPLASMS, DISEASES OF THE HEART

RATE/100,000 POP., PHILIPPINES, 1941-91



Note: No data for years 1941-1945  
1946 for mal. neo. & dis. of the heart

Fig. 22

**MORTALITY: TEN (10) LEADING CAUSES**  
**No. & Rate/100,000 Pop.**  
**PHILIPPINES**  
**1971, 1981 and 1991**

CAUSE	1971	
	NUMBER	RATE
1. DISEASES OF THE HEART	46,381	72.9
2. PNEUMONIAS	36,705	57.7
3. DISEASES OF THE VASCULAR SYSTEM	32,981	51.8
4. TUBERCULOSIS, ALL FORMS	22,814	35.9
5. MALIGNANT NEOPLASMS	22,384	35.2
6. ACCIDENTS	10,961	17.2
7. SEPTICEMIA	5,992	9.4
8. DIARRHEAL DISEASES	5,497	8.6
9. NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	5,024	7.9
10. RESPIRATORY CONDITIONS OF FETUS & NEWBORN	4,973	7.8

CAUSE	1981	
	NUMBER	RATE
1. PNEUMONIAS	43,164	87.1
2. DISEASES OF THE HEART	34,055	68.7
3. TUBERCULOSIS, ALL FORMS	27,317	55.1
4. DISEASES OF THE VASCULAR SYSTEM	21,116	42.6
5. DIARRHEAS	16,196	32.7
6. MALIGNANT NEOPLASMS	16,059	32.4
7. ACCIDENTS	9,519	19.2
8. MEASLES	6,951	14.0
9. AVITAMINOSIS & OTHER NUTRITIONAL DEFICIENCY	6,863	13.9
10. NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	4,445	9.0

CAUSE	1991	
	NUMBER	RATE
1. PNEUMONIAS	40,526	106.8
2. TUBERCULOSIS, ALL FORMS	26,021	68.6
3. DISEASES OF THE HEART	15,277	40.2
4. ILL-DEFINED DISEASES PECULIAR TO EARLY INFANCY	14,865	39.2
5. ACCIDENTS	14,446	38.1
6. GASTROENTERITIS AND COLITIS	12,237	32.2
7. DISEASES OF VASCULAR SYSTEM	11,365	29.9
8. AVITAMINOSIS & OTHER NUTRITIONAL DEFICIENCY	10,374	27.3
9. MALIGNANT NEOPLASMS	9,480	25.0
10. BRONCHITIS	8,199	21.6

1991		CAUSE
NUMBER	RATE	
46,381	75.9	1. DISEASES OF THE HEART
36,707	57.7	2. PNEUMONIAS
32,981	51.8	3. DISEASES OF THE VASCULAR SYSTEM

46,381	75.9	1. DISEASES OF THE HEART
36,707	57.7	2. PNEUMONIAS
32,981	51.8	3. DISEASES OF THE VASCULAR SYSTEM

MORTALITY: TEN (10) LEADING CAUSES  
No. & Rate/100 Pop.  
PHILIPPINES  
1971, 1981 and 1991

1991		CAUSE
NUMBER	RATE	
46,381	75.9	1. DISEASES OF THE HEART
36,707	57.7	2. PNEUMONIAS
32,981	51.8	3. DISEASES OF THE VASCULAR SYSTEM

46,381	75.9	1. DISEASES OF THE HEART
36,707	57.7	2. PNEUMONIAS
32,981	51.8	3. DISEASES OF THE VASCULAR SYSTEM

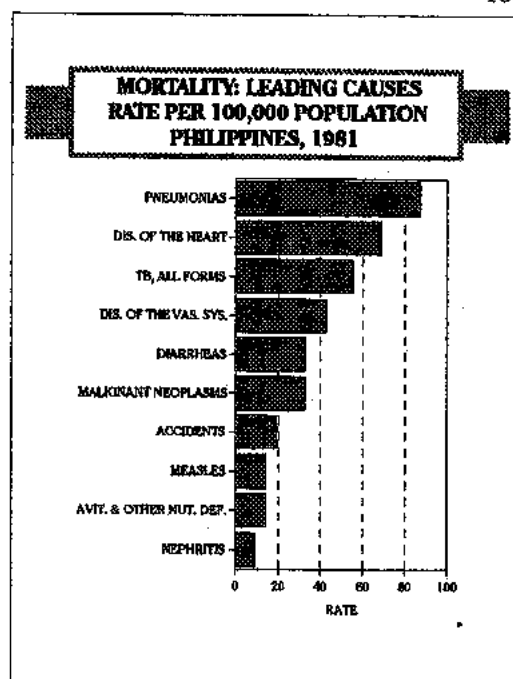
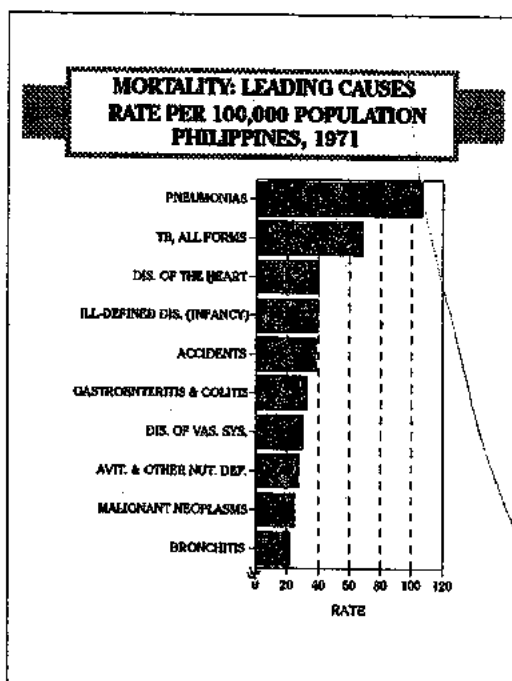
MORTALITY: TEN (10) LEADING CAUSES  
No. & Rate/100 Pop.  
PHILIPPINES  
1971, 1981 and 1991

1991		CAUSE
NUMBER	RATE	
46,381	75.9	1. DISEASES OF THE HEART
36,707	57.7	2. PNEUMONIAS
32,981	51.8	3. DISEASES OF THE VASCULAR SYSTEM

TABLE 30

TABLE 30





**MORTALITY LEADING CAUSES**  
RATE PER 100,000 POPULATION  
PHILIPPINES, 1991

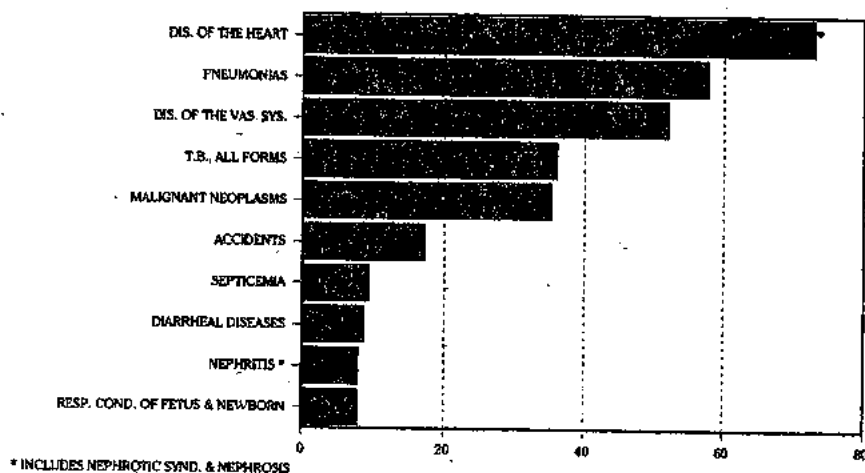


Fig. 23

TABLE 27

**INFANT MORTALITY: BY SMALLER AGE GROUPS**  
**No. & Rate/1000 l.b. & Percentage Distribution**  
**PHILIPPINES**  
**5--YEAR AVERAGE (1986-1990) & 1991**

AGE	5--YEAR AVERAGE (1986-1990)				1991			
	NUMBER	RATE PER 1000 l.b.	% OF NEON- NATAL DEATHS	% OF INFANT DEATHS	NUMBER	RATE PER 1000 l.b.	% OF NEON- NATAL DEATHS	% OF INFANT DEATHS
<b>Under 1 Year</b>	<b>46,583</b>	<b>29.2</b>		<b>100.0</b>	<b>34,332</b>	<b>20.9</b>		<b>100.0</b>
<b>Under 28 Days</b>	<b>20,480</b>	<b>12.8</b>	<b>100.0</b>	<b>44.0</b>	<b>17,068</b>	<b>10.4</b>	<b>100.0</b>	<b>49.7</b>
0 - 6 Days	15,461	9.7	75.5	33.2	13,232	8.1	77.5	38.5
7 - 13 Days	2,865	1.8	14.0	6.2	2,126	1.3	12.5	6.2
14 - 20 Days	1,222	0.8	6.0	2.6	1,003	0.6	5.9	2.9
21 - 27 Days	932	0.6	4.6	2.0	707	0.4	4.1	2.1
<b>28 Days to     Under 1 year</b>	<b>26,103</b>	<b>16.3</b>		<b>56.0</b>	<b>17,264</b>	<b>10.5</b>		<b>50.3</b>
28 - 59 Days	4,248	2.7		9.1	3,358	2.0		9.8
2 Months	2,512	1.6		5.4	2,052	1.2		6.0
3 Months	1,934	1.2		4.2	1,404	0.9		4.1
4 Months	1,799	1.1		3.9	1,243	0.8		3.6
5 Months	1,767	1.1		3.8	1,147	0.7		3.3
6 Months	2,053	1.3		4.4	1,331	0.8		3.9
7 Months	2,228	1.4		4.8	1,426	0.9		4.2
8 Months	2,391	1.5		5.1	1,333	0.8		3.9
9 Months	2,216	1.4		4.8	1,298	0.8		3.8
10 Months	1,773	1.1		3.8	938	0.6		2.7
11 Months	3,182	2.0		6.8	1,734	1.1		5.1

# **INFANT DEATHS BY SMALLER AGE GROUPS PERCENTAGE DISTRIBUTION PHILIPPINES, 1991**

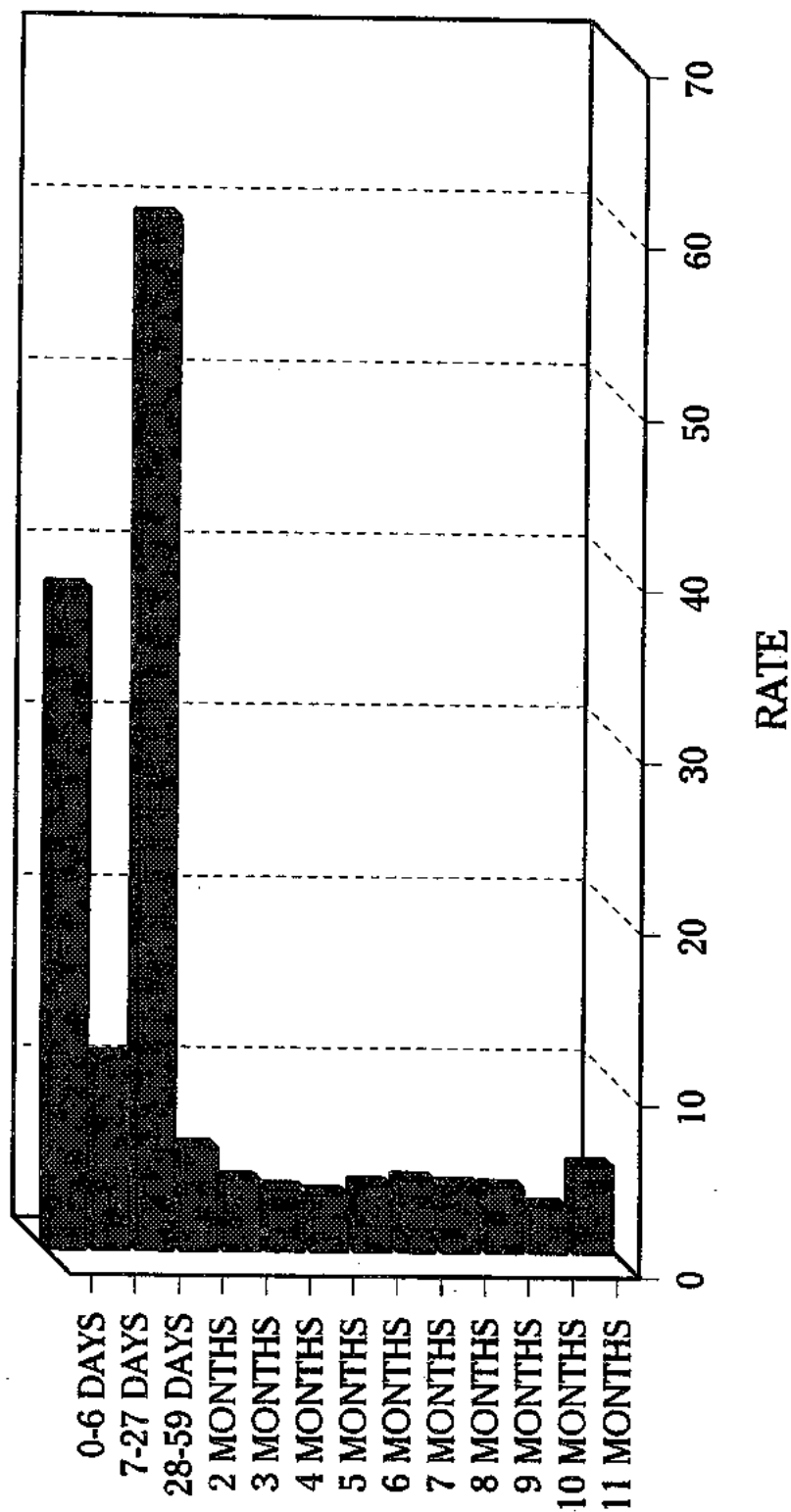


Fig. 24

# INFANT MORTALITY

NEONATAL & POST NEONATAL DEATH RATE  
RATE/1,000 LIVEBIRTHS, PHILS., 1981-1991

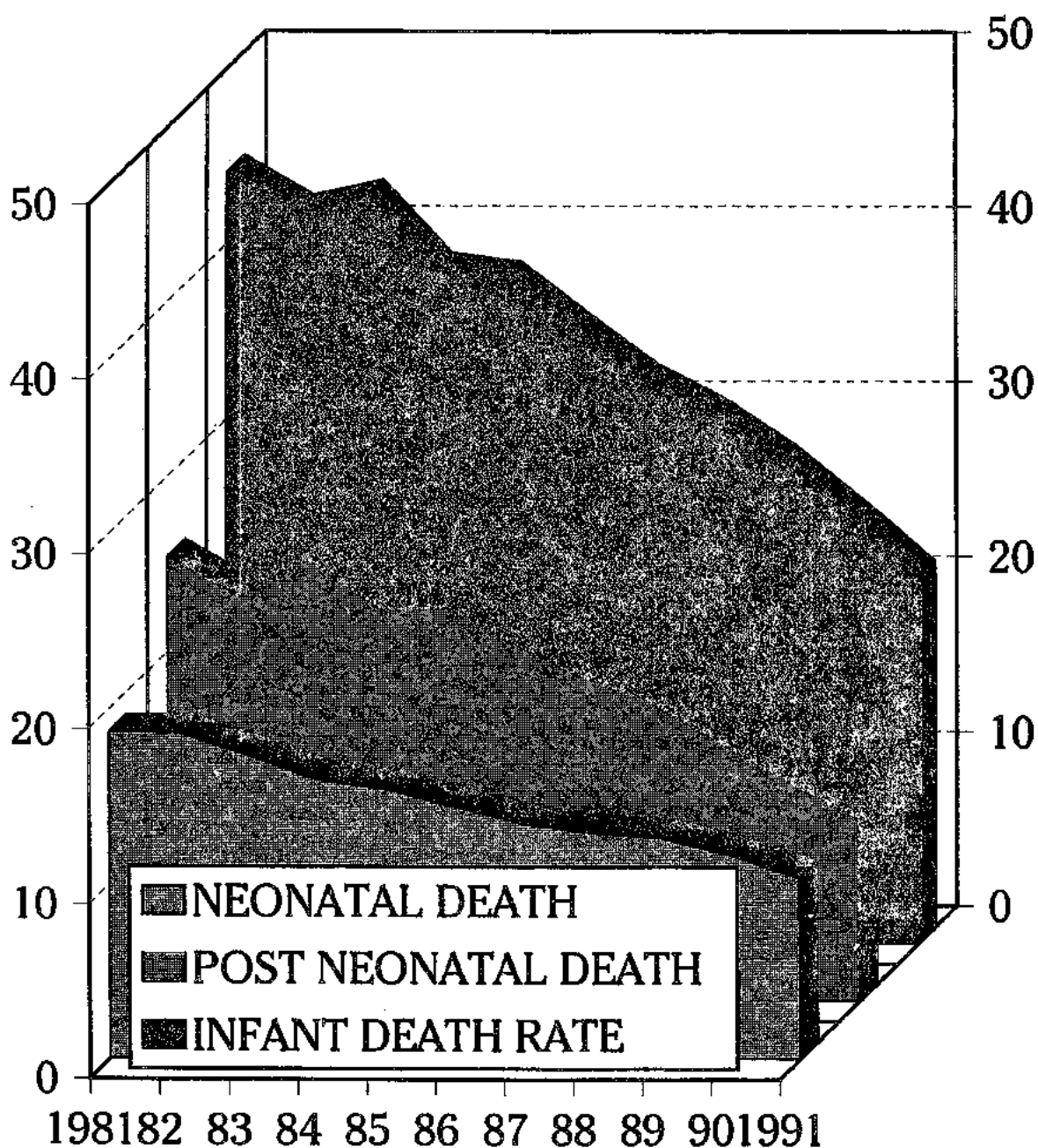


Fig. 25

**INFANT MORTALITY: TEN (10) LEADING CAUSES**  
**No. & Rate/1000 l.b. & Percentage Distribution**  
**PHILIPPINES**  
**5--YEAR AVERAGE (1986-1990) & 1991**

CAUSE	5--YEAR AVERAGE (1986-1990)			1991		
	NUMBER	RATE PER 1000 l.b.	% OF INFANT DEATHS	NUMBER	RATE PER 1000 l.b.	% OF INFANT DEATHS
1. PNEUMONIAS (480-486) /	12,206	7.8	26.2	8,149	5.0	17.5
2. RESPIRATORY CONDITIONS OF FETUS AND NEWBORN (740-759)	6,478	4.1	13.9	4,973	3.0	10.7
3. CONGENITAL ANOMALIES (740-759)	2,173	1.4	4.7	2,010	1.2	4.3
4. SEPTICEMIA (038) /	1,217	0.8	2.6	1,556	0.9	3.3
5. DIARRHEAL DISEASES / (001,002,003,004,006 005,007,008,009)	2732	1.7	5.9	1,270	0.8	2.7
6. AVITAMINOSES AND OTHER NUTRITIONAL DEFECIENCY (260-269)	1655	1.1	3.6	956	0.6	2.1
7. BIRTH INJURY & DIFF. LABOR (768,772)	1308	0.8	2.8	862	0.5	1.9
8. GOITER THYROTOXICOSIS HYPOTHYROIDISM & OTHER ENDOCTRINE & METABOLIC DISEASES ( 240-246;251 -259;270-279)	931	0.6	2.0	740	0.5	1.6
9. DISEASES OF PULMONARY CIRCULATION (415-417; 420-429)	718	0.5	1.5	737	0.4	1.6
10. MEASLES (055) /	1433	0.9	3.1	501	0.3	1.1

# **INFANT MORTALITY: LEADING CAUSES** **RATE PER 1,000 LIVEBIRTHS** **PHILS., 5 YR. AVE. (1986-1990) & 1991**

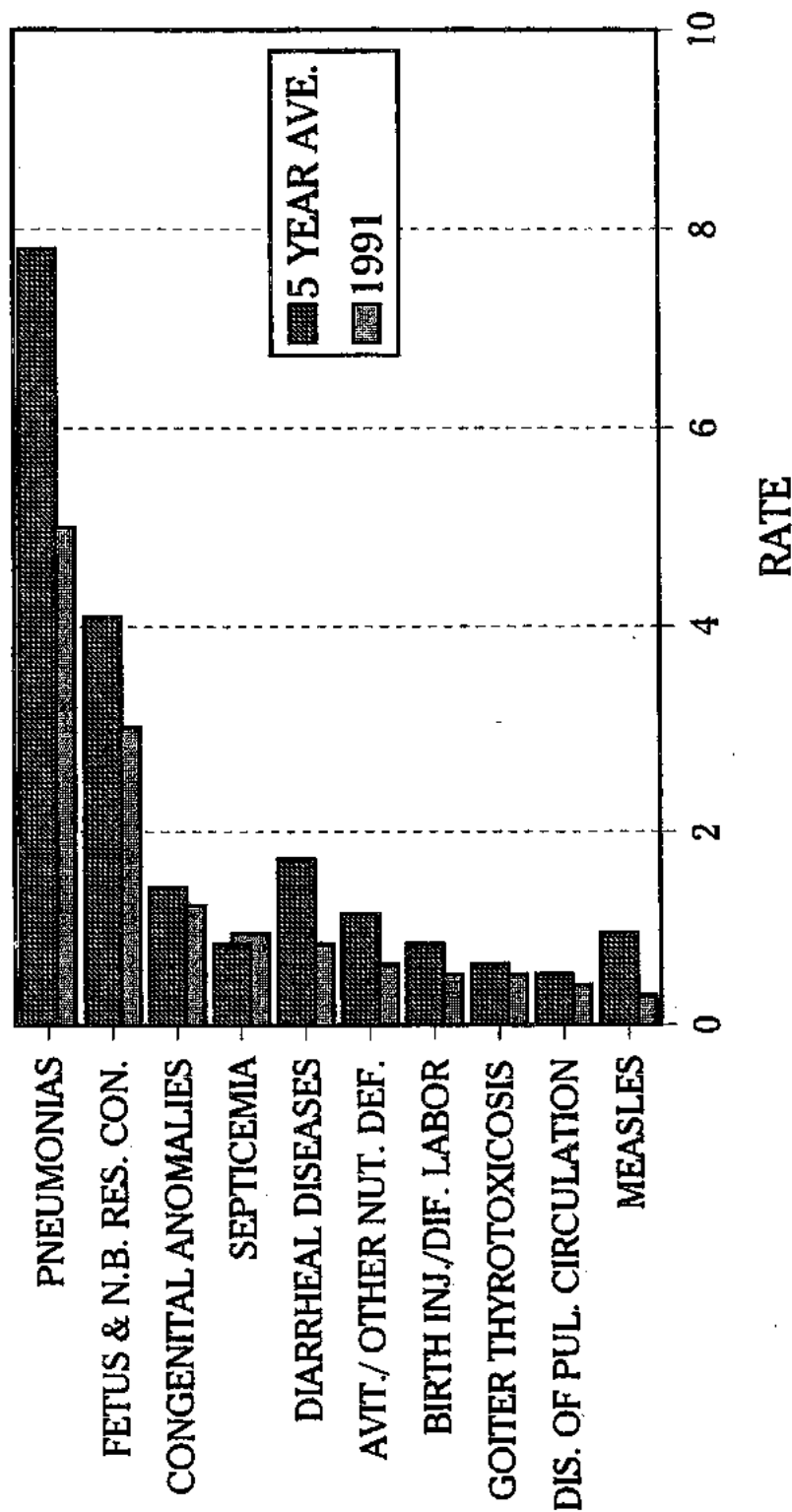


Fig. 26

TABLE 29

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**MATERNAL MORTALITY: BY MAIN CAUSE**  
**No. & Rate/1000 l.b. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

CAUSE	1991		
	NUMBER	RATE	PERCENT
<b><u>TOTAL</u></b>	<b><u>1,144</u></b>	<b><u>0.7</u></b>	<b><u>100.0</u></b>
Postpartum Hemorrhage (666)	386	0.2	33.7
Hypertension complicating pregnancy, childbirth and puerperium (642)	290	0.2	25.3
Normal Delivery and Other complications related to pregnancy occurring in the course of labor, delivery and Puerperium (642-648;650-665;667-676)	257	0.2	22.5
Pregnancy with abortive outcome (630-639)	114	0.1	10.0
Hemorrhages related to pregnancy (640;641)	97	0.1	8.5

# **MATERNAL DEATHS BY MAIN CAUSE PERCENTAGE DISTRIBUTION PHILIPPINES, 1991**

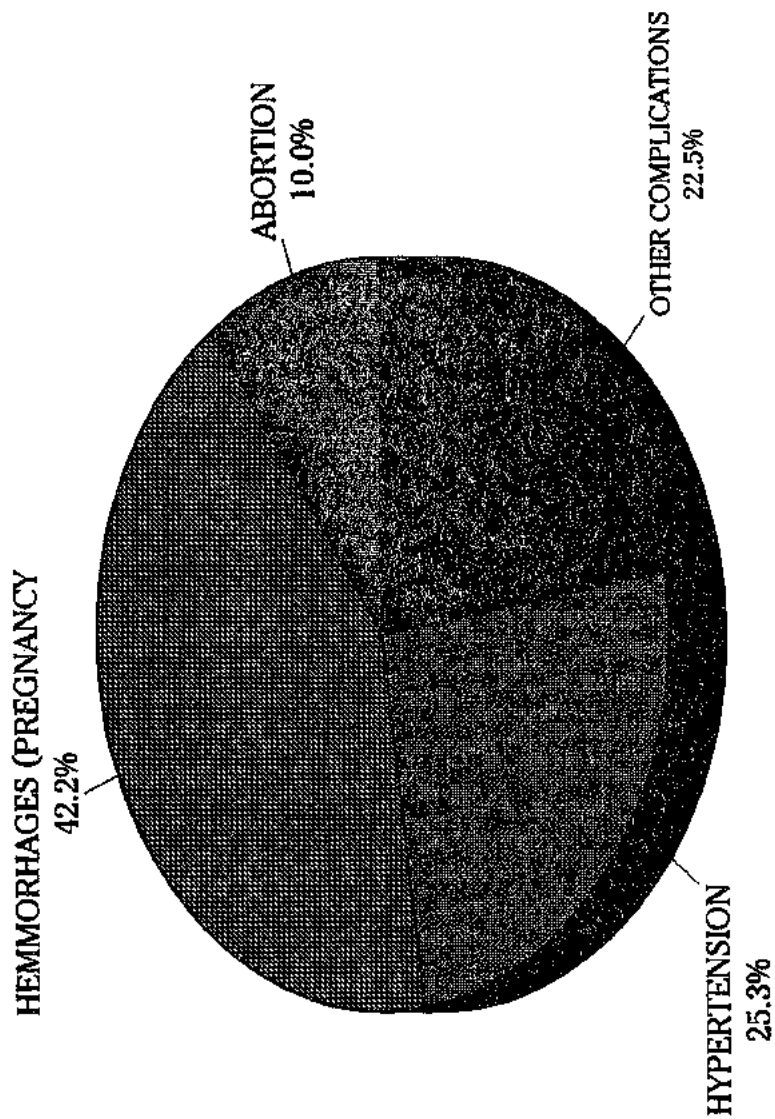


Fig. 27



TABLE 30

196

**MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION****No. & Rate/1000 l.b. & Percentage Distribution****PHILIPPINES****1991**

REGION	AGE DISTRIBUTION					
	TOTAL			UNDER 15 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
<b>PHILIPPINES</b>	<b>1,144</b>	<b>0.7</b>	<b>100.0</b>	<b>127</b>	<b>564.4</b>	<b>100.0</b>
NAT. CAP. REGION	122	0.4	10.7	22	97.8	17.3
C.A.R.	18	0.6	1.6	3	13.3	2.4
REGION 1	46	0.5	4.0	6	26.7	4.7
REGION 2	60	0.9	5.2	5	22.2	3.9
REGION 3	75	0.4	6.6	19	84.4	15.0
REGION 4	162	0.7	14.2	24	106.7	18.9
REGION 5	113	1.0	9.9	5	22.2	3.9
REGION 6	102	0.9	8.9	12	53.3	9.4
REGION 7	115	0.8	10.1	10	44.4	7.9
REGION 8	81	1.4	7.1	3	13.3	2.4
REGION 9	49	0.8	4.3	4	17.8	3.1
REGION 10	84	0.9	7.3	4	17.8	3.1
REGION 11	94	0.8	8.2	6	26.7	4.7
REGION 12	23	0.5	2.0	4	17.8	3.1

\*Rate According to corresponding Age-Group.

TABLE 30

**MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION**  
**No. & l.b. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

REGION	AGE DISTRIBUTION					
	15 - 19 YEARS			20 - 24 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
<b>PHILIPPINES</b>	<b>48</b>	<b>0.5</b>	<b>100.0</b>	<b>139</b>	<b>0.3</b>	<b>100.0</b>
NAT. CAP. REGION	6	0.1	12.5	13	0.03	9.4
C.A.R.	0	0.0	0.0	1	0.002	0.7
REGION 1	0	0.0	0.0	2	0.004	1.4
REGION 2	5	0.05	10.4	7	0.01	5.0
REGION 3	5	0.05	10.4	9	0.02	6.5
REGION 4	8	0.1	16.7	23	0.05	16.5
REGION 5	4	0.04	8.3	20	0.04	14.4
REGION 6	2	0.02	4.2	17	0.04	12.2
REGION 7	4	0.04	8.3	11	0.02	7.9
REGION 8	1	0.01	2.1	11	0.02	7.9
REGION 9	2	0.02	4.2	3	0.01	2.2
REGION 10	1	0.01	2.1	9	0.02	6.5
REGION 11	10	0.1	20.8	12	0.03	8.6
REGION 12	0	0.0	0.0	1	0.002	0.7

\*Rate According to corresponding Age-Group.

TABLE 30

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**MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION**  
**No. & I.b. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

REGION	AGE DISTRIBUTION					
	25 - 29 YEARS			30 - 34 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
<b><u>PHILIPPINES</u></b>	<b><u>185</u></b>	<b><u>0.4</u></b>	<b><u>100.0</u></b>	<b><u>206</u></b>	<b><u>0.6</u></b>	<b><u>100.0</u></b>
NAT. CAP. REGION	17	0.04	9.2	27	0.1	13.1
C.A.R.	6	0.01	3.2	1	0.003	0.5
REGION 1	7	0.01	3.8	10	0.03	4.9
REGION 2	9	0.02	4.9	8	0.03	3.9
REGION 3	10	0.02	5.4	9	0.03	4.4
REGION 4	23	0.05	12.4	22	0.1	10.7
REGION 5	19	0.04	10.3	25	0.1	12.1
REGION 6	22	0.05	11.9	16	0.1	7.8
REGION 7	14	0.03	7.6	20	0.1	9.7
REGION 8	11	0.02	5.9	19	0.1	9.2
REGION 9	18	0.04	9.7	6	0.02	2.9
REGION 10	13	0.03	7.0	20	0.1	9.7
REGION 11	12	0.02	6.5	18	0.1	8.7
REGION 12	4	0.01	2.2	5	0.02	2.4

\*Rate According to corresponding Age - Group.

TABLE 30

**MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION**

No. &amp; 1.b. &amp; Percentage Distribution

**PHILIPPINES**

1991

REGION	AGE DISTRIBUTION					
	15 - 39 YEARS			40 - 44 YEARS		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
<b>PHILIPPINES</b>	<b>185</b>	<b>1.0</b>	<b>100.0</b>	<b>95</b>	<b>1.6</b>	<b>100.0</b>
NAT. CAP. REGION	11	0.1	5.9	3	0.05	3.2
C.A.R.	4	0.02	2.2	2	0.03	2.1
REGION 1	8	0.04	4.3	5	0.1	5.3
REGION 2	12	0.1	6.5	3	0.05	3.2
REGION 3	9	0.1	4.9	3	0.05	3.2
REGION 4	23	0.1	12.4	13	0.2	13.7
REGION 5	18	0.1	9.7	9	0.1	9.5
REGION 6	16	0.1	8.6	8	0.1	8.4
REGION 7	23	0.1	12.4	11	0.2	11.6
REGION 8	21	0.1	11.4	9	0.1	9.5
REGION 9	7	0.04	3.8	6	0.1	6.3
REGION 10	15	0.1	8.1	14	0.2	14.7
REGION 11	15	0.1	8.1	7	0.1	7.4
REGION 12	3	0.02	1.6	2	0.03	2.1

\*Rate According to corresponding Age-Group.

TABLE 30

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**MATERNAL MORTALITY: BY AGE GROUP & HEALTH REGION**  
**No. & I.b. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

REGION	AGE DISTRIBUTION					
	45 - 49 YEARS			50 YEARS & OVER		
	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
<b>PHILIPPINES</b>	<b>19</b>	<b>2.2</b>	<b>100.0</b>	<b>140</b>	<b>126.5</b>	<b>100.0</b>
NAT. CAP. REGION	1	0.1	5.3	22	19.9	15.7
C.A.R.	0	0.0	0.0	1	0.9	0.7
REGION 1	3	0.3	15.8	5	4.5	3.6
REGION 2	0	0.0	0.0	11	9.9	7.9
REGION 3	1	0.1	5.3	10	9.0	7.1
REGION 4	2	0.2	10.5	24	21.7	17.1
REGION 5	0	0.0	0.0	13	11.7	9.3
REGION 6	4	0.5	21.1	5	4.5	3.6
REGION 7	0	0.0	0.0	22	19.9	15.7
REGION 8	3	0.3	15.8	3	2.7	2.1
REGION 9	0	0.0	0.0	3	2.7	2.1
REGION 10	3	0.3	15.8	5	4.5	3.6
REGION 11	1	0.1	5.3	13	11.7	9.3
REGION 12	1	0.1	5.3	3	2.7	2.1

\*Rate According to corresponding Age - Group.

TABLE 31

**FETAL MORTALITY BY ATTENDANCE & BY CAUSE  
PHILIPPINES  
1991**

CAUSE	Total Fetal Deaths	ATTENDANT				
		Physi- cian	Nurse	Mid- wife	Traditio- nal Birth Attendant (Allog)	Others
Fetus affected by maternal conditions which may be unrelated to present pregnancy (760)	110	90	1	0	2	17
Fetus affected by maternal complications of pregnancy (761)	57	41	0	0	0	16
Fetus affected by complications of placenta, cord and membranes (762)	2307	1812	3	34	49	409
Fetus affected by other complications of labour and delivery (763)	99	43	0	11	8	37
Slow fetal growth and fetal malnutrition (764)	354	259	3	8	9	75
Disorders relating to short gestation and unspecified low birth weight (765)	1271	592	6	100	120	453
Disorders relating to long gestation and high birth weight (766)	268	165	1	22	22	58
Birth trauma (767)	4	1	0	0	1	2
Intrauterine hypoxia and birth asphyxia (768)	947	538	1	46	103	259
Respiratory distress syndrome (769)	53	11	0	11	11	20
Other respiratory conditions of						

TABLE 31

**FETAL MORTALITY BY ATTENDANCE & BY CAUSE  
PHILIPPINES  
1991**

CAUSE	ATTENDANT					
	Total Fetal Deaths	Physician	Nurse	MM-wife	Traditional Birth Attendant (dilat)	Others
Infections specific to the perinatal period (771)	80	51	0	7	4	18
Fetal haemorrhage (772)	5	3	0	0	1	1
Haemolytic diseases of fetus due to isoimmunization (773)	5	1	0	0	1	3
Other perinatal jaundice (774)	42	29	1	0	3	9
Endocrine and metabolic disturbances specific to the fetus (775)	84	36	0	9	9	30
Haematological disorders of fetus (776)	157	139	2	3	1	12
Perinatal disorders of digestive system (777)	14	11	0	1	1	1
Conditions involving the integument and temperature regulations of fetus (778)	12	7	0	0	1	4
Other and ill-defined conditions originating in the perinatal period (779)	4866	2596	7	219	365	1679
<b>TOTAL - Number</b>	<b>10,776</b>	<b>6,433</b>	<b>25</b>	<b>477</b>	<b>718</b>	<b>3,123</b>
<b>- Percent</b>	<b>100.0</b>	<b>59.7</b>	<b>0.2</b>	<b>4.4</b>	<b>6.7</b>	<b>29.0</b>

# **FETAL DEATHS BY MEDICAL ATTENDANCE PERCENTAGE DISTRIBUTION PHILIPPINES, 1991**

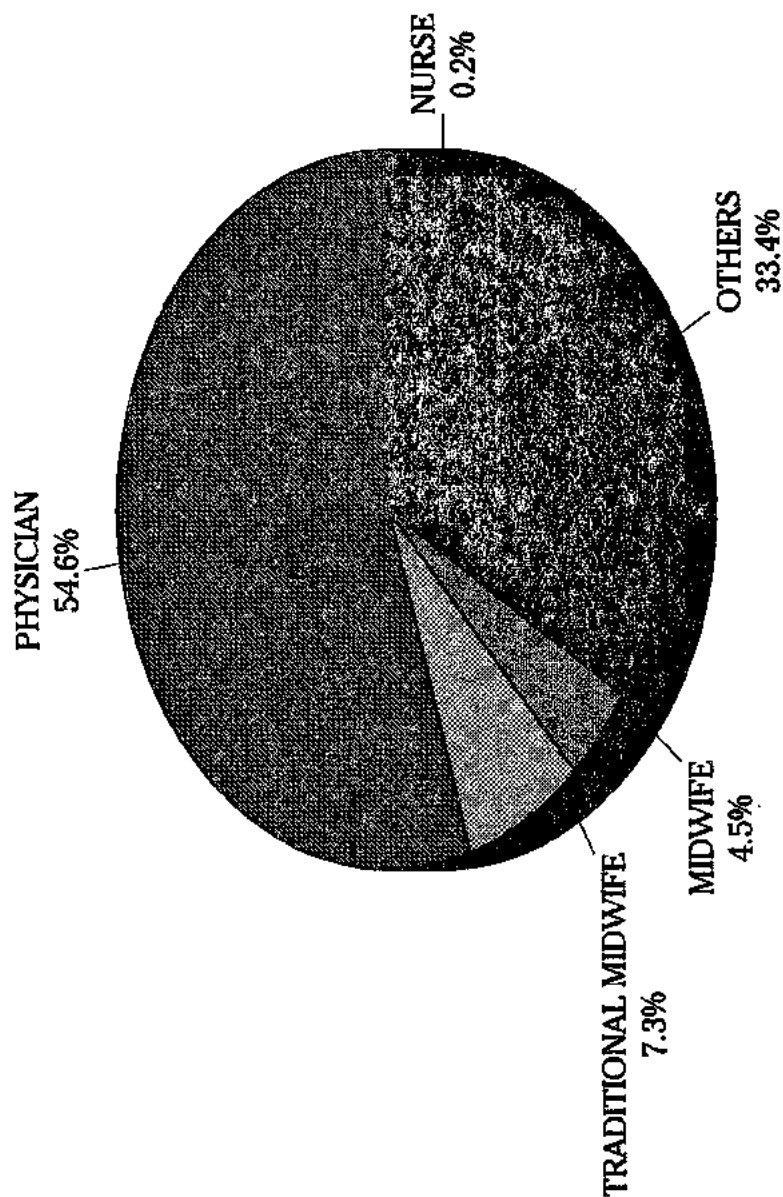


Fig. 28



**FETAL MORTALITY BY CAUSE & BIRTH WEIGHT**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

[illegible]

TABLE 32

**FETAL MORTALITY BY CAUSE & BIRTH WEIGHT**

No. &amp; Percentage Distribution

**PHILIPPINES**

1991

CAUSE	Total Fetal Deaths	1000 & below grams		1001 to 1500 grams		1501 to 2000 grams		2001 to 2500 grams		2501 to 3000 grams	
		No.	%	No.	%	No.	%	No.	%	No.	%
Infections specific to the perinatal period (771)	80	2	2.5	1	1.3	2	2.5	7	8.8	2	2.5
Fetal haemorrhage (772)	5	0	—	0	—	0	—	0	—	1	20.0
Haemolytic diseases of fetus due to isoimmunization (762)	5	0	—	0	—	0	—	0	—	1	20.0
Other perinatal jaundice (774)	42	1	2.4	2	4.8	3	7.1	2	4.8	1	2.4
Endocrine and metabolic disturbances specific to the fetus (775)	84	1	1.2	5	6.0	9	10.7	10	11.9	9	10.7
Haematological disorders of fetus (776)	157	11	7.0	3	1.9	9	5.7	18	11.5	8	5.1
Perinatal disorders of digestive system (777)	14	1	7.1	2	14.3	0	—	0	—	1	7.1
Conditions involving the integument and temperature regulations of fetus (778)	12	2	16.7	0	—	1	8.3	1	8.3	1	8.3
Other and ill-defined conditions originating in the perinatal period (779)	4,866	143	2.9	201	4.1	208	4.3	319	6.6	346	7.1
<b>TOTAL</b>	<b>10,776</b>	<b>551</b>	<b>5.1</b>	<b>635</b>	<b>5.9</b>	<b>669</b>	<b>6.2</b>	<b>853</b>	<b>7.9</b>	<b>854</b>	<b>7.9</b>

TABLE 32

## FETAL MORTALITY BY CAUSE &amp; BIRTH WEIGHT

No. &amp; Percentage Distribution

PHILIPPINES

1991

CAUSE	9001 to 3500 grams		3501 to 4000 grams		4001 to 4500 grams		4501 to 5000 grams		5001 to above 5000 grams		Nat. States	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Fetus affected by maternal conditions which may be unrelated to present pregnancy (760)	5	4.5	4	3.6	0	—	0	—	0	—	36	32.7
Fetus affected by maternal complications of pregnancy (761)	3	5.3	4	7.0	2	3.5	0	—	0	—	22	38.6
Fetus affected by complications of placenta, cord and membranes (762)	154	6.7	55	2.4	17	0.7	11	0.5	4	0.2	893	38.7
Fetus affected by other complications of labour and delivery (763)	17	17.2	7	7.1	3	3.0	4	4.0	0	—	44	44.4
Slow fetal growth and fetal malnutrition (764)	2	0.6	12	3.4	5	1.4	1	0.3	0	—	124	35.0
Disorders relating to short gestation and unspecified low birth weight (765)	33	2.6	20	1.6	9	0.7	4	0.3	4	0.3	794	62.5
Disorders relating to long gestation and high birth weight (766)	49	18.3	23	8.6	10	3.7	5	1.9	0	—	116	43.3
Birth trauma (767)	0	—	0	—	0	—	0	—	0	—	4	100.0
Intrauterine hypoxia and birth asphyxia (768)	75	7.9	39	4.1	14	1.5	8	0.8	6	0.6	529	55.9
Respiratory distress syndrome (769)	5	9.4	0	—	3	5.7	0	—	0	—	36	67.9
Other respiratory conditions of fetus (770)	2	4.9	3	7.3	0	—	1	2.4	0	—	24	58.5

TABLE 32

**FETAL MORTALITY BY CAUSE & BIRTH WEIGHT**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

CAUSE	3001 to 3500 grams		3501 to 4000 grams		4001 to 4500 grams		4501 to 5000 grams		5001 to above grams		Not Stated	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Infections specific to the perinatal period (771)	5	6.3	7	8.8	3	3.8	0	—	0	—	51	63.8
Fetal haemorrhage (772)	0	—	0	—	0	—	0	—	0	—	4	80.0
Haemolytic diseases of fetus due to isoimmunization (762)	0	—	1	20.0	0	—	0	—	0	—	3	60.0
Other perinatal jaundice (774)	3	7.1	0	—	1	2.4	2	4.8	0	—	27	64.3
Endocrine and metabolic disturbances specific to the fetus (775)	4	4.8	5	6.0	3	3.6	0	—	0	—	38	45.2
Haematological disorders of fetus (776)	5	3.2	3	1.9	1	0.6	0	—	1	0.6	98	62.4
Perinatal disorders of digestive system (777)	2	14.3	1	7.1	1	7.1	0	—	0	—	6	42.9
Conditions involving the integument and temperature regulations of fetus (778)	3	25.0	0	—	1	8.3	0	—	0	—	3	25.0
Other and ill-defined conditions originating in the perinatal period (779)	288	2.7	167	1.5	59	0.5	26	0.2	20	0.2	3,089	28.7
<b>TOTAL</b>	<b>675</b>	<b>6.3</b>	<b>351</b>	<b>3.3</b>	<b>132</b>	<b>1.2</b>	<b>62</b>	<b>0.6</b>	<b>35</b>	<b>0.3</b>	<b>5,941</b>	<b>55.1</b>

TABLE 33

208

**LATE FETAL DEATHS BY AGE OF MOTHER & BIRTH ORDER**  
**PHILIPPINES**  
**1991**

BIRTH ORDER	TOTAL BIRTHS	Late Fetal Deaths	Rate	AGE OF MOTHER										Not Stated
				15-19	20-24	25-29	30-34	35-39	40-44	45 & Over				
First	445,937	768	1.7	1	96	281	228	90	45	12	15	0		
Second	357,724	581	1.6	0	19	173	178	120	73	13	5	0		
Third	278,678	447	1.6	0	2	64	154	122	77	25	3	0		
Fourth	193,379	353	1.8	0	1	26	104	120	68	20	14	0		
Fifth	126,032	266	2.1	0	1	20	64	66	80	25	10	0		
Sixth	83,688	230	2.7	0	0	9	28	59	90	29	15	0		
Seventh	55,836	132	2.4	0	0	5	11	45	43	25	3	0		
Eight	36,349	89	2.4	0	0	1	6	20	37	23	2	0		
Ninth	22,458	99	4.4	0	0	1	4	19	39	25	11	0		
Tenth & Over	14,814	1,375	92.8	0	0	616	338	185	115	50	71	0		
Not Stated	28,401	105	3.7	0	7	19	37	17	11	6	8	0		
TOTAL	1,643,296	4,445	2.7	1	126	1,215	1,152	863	678	253	157	0		

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

TABLE 34

**FETAL DEATHS BY AGE OF MOTHER & BIRTH ORDER  
PHILIPPINES  
1991**

BIRTH ORDER	TOTAL FETAL DEATHS	AGE OF MOTHER (YEARS)				
		Less than 15	15-19	20-24	25-29	30-34
First	1,502	7	196	526	426	194
Second	1,193	0	44	363	372	219
Third	937	0	13	154	337	228
Fourth	781	0	5	74	261	242
Fifth	529	0	1	35	125	148
Sixth	455	0	0	16	71	127
Seventh	256	0	0	7	27	80
Eight	193	0	0	4	14	39
Ninth	212	0	0	3	7	37
Tenth & Over	4,439	0	0	1536	819	459
Not Stated	280	0	17	50	74	52
Total Fetal Death	10,776	7	276	2,768	2,533	1,825
Percent	100.0	0.1	2.6	25.7	23.5	16.9
Rate*	6.6	31.1	2.6	5.8	5.3	5.7
Total Livebirths by Age of Mother	1,643,296	225	105,526	474,239	480,319	319,753

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

TABLE 34

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**FETAL DEATHS BY AGE OF MOTHER & BIRTH ORDER**  
**PHILIPPINES**  
**1991**

BIRTH ORDER	AGE OF MOTHER (YEARS)			
	35-39	40-44	45 and Over	Not Stated
First	76	34	43	0
Second	125	29	41	0
Third	135	47	23	0
Fourth	133	37	29	0
Fifth	148	50	22	0
Sixth	150	58	33	0
Seventh	86	44	11	0
Eight	72	50	14	0
Ninth	82	64	19	0
Tenth & Over	288	126	1211	0
Not Stated	29	12	46	0
Total Fetal Death	1,324	551	1,492	0
Percent	100.0	41.6	112.7	0.0
Rate*	7.4	9.1	153.2	0.0
Total Livebirths by Age of Mother	179,296	60,352	9,737	13,849

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

# **FETAL DEATHS BY AGE OF MOTHER**

## **Rate per 1,000 Livebirths**

### **PHILIPPINES, 1991**

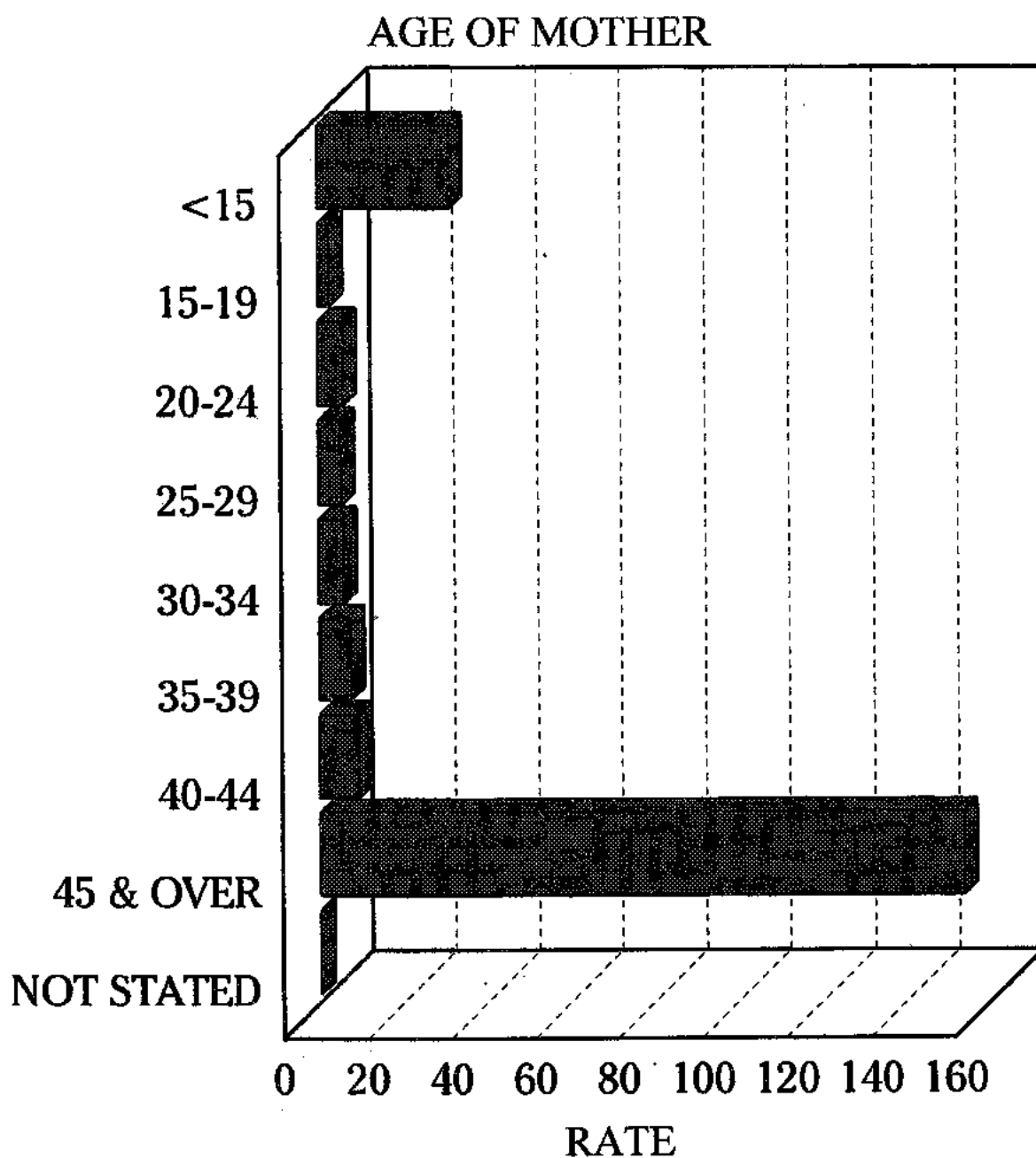


Fig. 29



TABLE 35

**FETAL DEATHS BY CAUSE**  
**No. & Percentage Distribution**  
**PHILIPPINES**  
**1991**

CAUSE	Number	Percentage of Fetal Deaths
Fetus affected by maternal conditions which may be unrelated to present pregnancy (760)	110	1.02
Fetus affected by maternal complications of pregnancy (761)	57	0.53
Fetus affected by complications of placenta, cord and membranes (762)	2,307	21.43
Fetus affected by other complications of labour and delivery (763)	99	0.92
Slow fetal growth and fetal malnutrition (764)	354	3.29
Disorders relating to short gestations and unspecified low birth weight (765)	1,271	11.80
Disorders relating to long gestations and high birth weight (766)	268	2.49
Birth trauma (767)	4	0.04
Intrauterine hypoxia and asphyxia (768)	947	8.79
Respiratory distress syndrome (769)	53	0.49
Other respiratory conditions of fetus (770)	31	0.29
Infections specific to the perinatal period (771)	80	0.74
Fetal haemorrhage (772)	5	0.05
Haemolytic disease of fetus due to isoimmunization (773)	5	0.05
Other perinatal jaundice (774)	42	0.39
Endocrine and metabolic disturbances specific to the fetus (775)	84	0.78
Haematological disorders of fetus (776)	157	1.46
Perinatal disorders of digestive system (777)	14	0.13
Conditions involving the integument and temperature regulation of fetus (778)	12	0.11
Other and ill-defined conditions originating in the perinatal period (779)	4,866	45.20
<b>TOTAL</b>	<b>10,766</b>	<b>100.00</b>