GLOSSARY

AGE-GROUP A period covering several years relating to the age of members of a population. Usually expressed in a range of age last birthday, for example 15-19 years. This age-group concerns all persons who have reached 15 years of age, but who have not reached twenty years. A person aged 19 years, 11 months and 29 days would be included in that age-group.

ANTENATAL EXAMINATIONS Care and examination of expecting mothers during pregnancy

BIRTHWEIGHT The first weight of the foetus or newborn obtained after birth. This weight should be measured preferably within the first hour of life before significant postnatal weight loss has occurred.

BIRTHWEIGHT (LOW) A birthweight of less than 2,500 grammes (up to, and including 2,499 grammes).

CAUSES OF DEATH All diseases, morbid conditions or injuries which either resulted in or contributed to death and the circumstances of the accident or violence which produced any such injuries.

CHILDBEARING YEARS The period of her life during which a woman can reproduce. For the purpose of international comparisons, this is arbitrarily assumed to be in the age-group 15-49 years.

DEATH The irreversible cessation of all the following (i) total cerebral function (ii) spontaneous function of the respiratory system and spontaneous function of the circulatory system.

DEATH CERTIFICATE A legal document signed by a medical practitioner indicating the morbid conditions which lead directly to death and to state any antecedent conditions giving rise to this cause.

EPIDEMIC Infections diseases occuring suddenly in numbers clearly in excess of normal expectancy.

FECUNDITY The physiological capacity to reproduce.

FERTILITY The actual reproductive performance.

FOETAL DEATH Foetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy; the death is indicated by the fact that after such separation the foetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. (W.H.O. definition). A distinction is made between early foetal death (abortion) and late foetal death (stillbirth), the dividing line being the 28th week of gestation.
GESTATIONAL AGE
The duration of gestation is measured from the first day of the last menstrual period, and is usually expressed in completed weeks. (W.H.O. definition).

LIFE EXPECTANCY
The average number of years left to a person to live, if current mortality trends were to continue. Life expectancy at birth is a much used health indicator. In most societies the expectancy for females is a few years longer than for males.

LIFE TABLES
Any of various tables describing mortality and survival data for groups of individuals at specific times or over defined intervals.

LIVE BIRTH
Live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born. (W.H.O. definition).

MORBIDITY
The measurement of illness in a population.

MORTALITY
The frequency and characteristics of deaths in a population.

NATALITY
The frequency and characteristics of births in a population.

NATURAL INCREASE
The excess of live births over deaths in a population during a given time period, usually a calendar year. In a few societies the excess is negative, that is there is a "natural decrease".

NEONATAL INTENSIVE CARE
Provision of treatment to newborns who are in critical conditions (normally after birth) necessitating life saving care.

NUPTIALITY
The frequency and characteristics of marriages in a population.

PANDEMIC
A widespread epidemic of a disease distributed or occurring widely throughout a region/country/continent or globally.

PARADONTAL DISEASES
Disease of the soft tissue surrounding the tooth.

POSTNATAL EXAMINATIONS
Examination and care of mother after delivery.

VITAL STATISTICS
Demographic data on live births, stillbirths, deaths and marriages.

FERTILITY RATES

AGE-SPECIFIC FERTILITY RATE
The number of live births to women in each of the five-year age-groups, 15-19, 20-24, ...,45-49, registered during a calendar year, divided by the estimated mid-year female population in the respective age-group, and multiplied by 1,000; expressed per 1,000 women in the relevant age-group.

CRUDE BIRTH RATE
The number of live births registered during a calendar year, divided by the estimated mid-year population, and multiplied by 1,000; expressed per 1,000 mid-year population.
<table>
<thead>
<tr>
<th><strong>GENERAL FERTILITY RATE</strong></th>
<th>The number of live births registered during a calendar year, divided by the estimated mid-year female population aged 15-49 years, and multiplied by 1,000; expressed per 1,000 women aged 15-49 years.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GROSS REPRODUCTION RATE</strong></td>
<td>The definition and modes of computation and expression of this rate are similar to those of the Total Fertility Rate, except that only children of the female sex are taken into consideration. As more often than not, in any given year, more boys than girls are born, the Gross Reproduction Rate is usually slightly less than half the Total Fertility Rate.</td>
</tr>
<tr>
<td><strong>NET REPRODUCTION RATE</strong></td>
<td>This rate is an improvement of the Gross Reproduction Rate, in that it takes into consideration the fact that some women die before reaching the end of their childbearing years, and therefore their contribution to reproduction would be less than that assumed in the computation of the Gross Reproduction Rate. The Net Reproduction Rate is therefore always less than the Gross Reproduction Rate. A Net Reproduction Rate of 1.00 denotes replacement level fertility, that is the women are having just enough daughters to &quot;replace&quot; them in the population.</td>
</tr>
<tr>
<td><strong>TOTAL FERTILITY RATE</strong></td>
<td>The average number of children that would be born alive to an average woman during her life-time if she were to be subjected during her childbearing years (15-49) to the age-specific fertility rates observed in a given calendar year. Usually computed by adding the age-specific fertility rates (in five-year age-groups, 15-19, 20-24, ..., 45-49), multiplying by five, and dividing by 1,000; expressed as a number, usually given correct to two places of decimal.</td>
</tr>
<tr>
<td><strong>MORTALITY RATES</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AGE SPECIFIC DEATH RATE</strong></td>
<td>The number of deaths for a specific age/age group divided by mid year population for this age/age group and multiplied by 10,000.</td>
</tr>
<tr>
<td><strong>CAUSE SPECIFIC DEATH RATE</strong></td>
<td>Number of deaths due to a specific disease/s divided by mid year population multiplied by 10,000</td>
</tr>
<tr>
<td><strong>CRUDE DEATH RATE</strong></td>
<td>The number of deaths registered during a calendar year, divided by the estimated mid-year population, and multiplied by 1,000; expressed per 1,000 mid-year population.</td>
</tr>
<tr>
<td><strong>INFANT MORTALITY RATE</strong></td>
<td>The number of deaths of children under the age of one year (0-364 days) registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.</td>
</tr>
</tbody>
</table>
| **NEONATAL MORTALITY**      | The number of deaths of children under the age of four weeks (0-
### Mortality Rates

**Rate**

The number of deaths of children under the age of one week, (0-6 days) registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.

**Early Neonatal Mortality Rate**

The number of deaths of children under the age of one week, (0-6 days) registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.

**Late Neonatal Mortality Rate**

The number of deaths of children aged between one week and four weeks (7-27 days) registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.

**Post-Neonatal Mortality Rate**

The number of deaths of children aged between four weeks and one year (28-364 days) registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.

**Perinatal Mortality Rate**

The sum of the number of stillbirths and the number of deaths of children under the age of one week (0-6 days) registered during a calendar year, divided by the sum of the number of live births and the number of stillbirths registered during the same year, and multiplied by 1,000; expressed per 1,000 total live births and stillbirths. Sometimes the Perinatal Mortality Rate is expressed per 1,000 live births, in which case the divisor in the computation is the number of live births only.

**Child (or Early Childhood) Mortality Rate**

The number of deaths of children aged between one year and five years (1-4 years) registered during a calendar year, divided by the estimated mid-year population aged between one year and five years (1-4 years), and multiplied by 1,000; expressed per thousand mid-year population aged between one year and five years (1-4 years).

**Under Five Mortality Rate**

The number of deaths of children aged under five years (0-4 years) registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.

**Maternal Mortality Ratio**

The number of (female) deaths ascribed to complications of pregnancy, childbirth and the puerperium registered during a calendar year, divided by the number of live births registered during the same year, and multiplied by 1,000; expressed per 1,000 live births.

### Morbidity Rates

**Incidence Rate**

The number of new cases of a disease registered (or notified) during a given year, divided by the estimated mid-year population, and multiplied by 10 raised to the power of a convenient digit, which depends upon the frequency of the particular disease. For example, in the Island of Mauritius, in 2002, the incidence rate of pulmonary tuberculosis was 8.9 new cases per 100,000 mid-year population.
PREVALENCE RATE
The number of persons suffering from a particular disease at a
given point in time, usually 30th June or 31st December of a given
year, divided by the estimated population at the same point in time,
and multiplied by 10 raised to the power of a convenient digit,
which depends upon the frequency of the particular disease.
Difficult to compute on a regular basis through lack of disease
registers. The prevalence rates of specific diseases are occasionally
estimated by means of population based surveys.

OTHER RATES
BED OCCUPANCY RATE
The percentage of the sum of all occupied beds days divided by the
sum of all available bed days.

CRUDE MARRIAGE RATE
The number of persons civilly married during a calendar year,
divided by the estimated mid-year population, and multiplied by
1,000; expressed per 1,000 mid-year population.

STILLBIRTH (OR LATE
FOetal MORTALITY) RATE
The number of stillbirths registered during a calendar year, divided
by the sum of the number of live births and the number of
stillbirths registered during the same year, and multiplied by 1,000;
expressed per 1,000 total live births and stillbirths.

ABBREVIATIONS PERTAINING TO VACCINES
B.C.G   Bacille Calmette-Guerin (tuberculosis)
D.P.T   Diphtheria, Pertussis (whooping cough) and Tetanus
H.I.B   Haemophilus Influenzae Type B
O.P.V   Oral Polio Vaccine
HEP.B   Hepatitis B
M.M.R   Measles, Mumps and Rubella
D.T    Diphtheria and Tetanus
T.T    Tetanus Toxoid