



COLLEGE OF NURSING
UNIVERSITY OF THE PHILIPPINES
MANILA



NURSING 119
Vital and Health Statistics Worksheet

The following data were taken from the Region 7 Center for Health Development:

Total population	56,004,130
Crude birth rate	26.7/1000
Crude death rate	5.8/1000
Swaroop's index	44.5%
Infant mortality rate	35/1000
General fertility rate	116.3/1000
Proportionate mortality rate, diseases of the heart	10.5%
Number of cases, diseases of the heart	78,516

A. Based on the data above, answer the following questions:

1. Which among the data above is the most sensitive index of the health status of Western Visayas? What is the formula of this indicator? What is this health indicator equal to in Western Visayas?
2. Which of the above data is a specific fertility rate? Why?
3. What indicator will you use if you want to show how deadly diseases of the heart is in Western Visayas? What is the formula and what is this health indicator equal to in the region?
4. How many live births were there in West Visayas? How many deaths?
5. What is the most sensitive indicator of the standards of health care? What is this indicator equal to in Western Visayas?
6. What is the prevalence rate of heart diseases in the region?
7. If you are going to compute for the specific mortality rate of diabetes among females past reproductive age in the region, what should be the ideal denominator to use?
8. How many infant deaths were there in Western Visayas?

B. Interpret the following vital statistics about measles:

1. Proportionate Mortality Rate = 50%
2. Case Fatality Rate = 50%
3. Cause-Specific Mortality Rate, 0-6 years, males = 50%
4. Cause-of-Death Rate = 50/1000
5. Prevalence Rate = 50/1000

C. What is the appropriate vital and health statistic measure for the following:

1. Death occurring in 10% of cases of leptospirosis
2. 32 people dying in the Philippines each year
3. Infant deaths less than 28 days among children 0-6
4. Number of births among women of reproductive age
5. Number of children born to a woman over her lifetime