

## **Topics for Examination for MPH entrance**

Research study designs

Biases in observational studies

Confounding, effect modification

Ascertaining cause of disease in observational studies

Sample size in conducting observational studies

Descriptive statistics used in observational studies

Comparing two means and two proportions

Analysis of variance

Estimating Incidence/mortality rates

Burden of cancer and other non-communicable diseases

Risk factors for cancer and other chronic diseases

Risk, ratios and odds ratios

Primary prevention of cancer and other non communicable diseases.

Cancer screening, estimation of sensitivity, specificity etc.

Estimating survival

Social dimension of health

Public Health in developing countries