Hospital Statistical Formulas for the RHIT Exam

Average Daily Census

$$\frac{\text{Total service days for the unit for the period}}{\text{Total number of days in the period}}$$

Average Length of Stay

$$\frac{\text{Total length of stay (discharge days)}}{\text{Total discharges (includes deaths)}}$$

Percentage of Occupancy

$$\frac{\text{Total service days for a period}}{\text{Total bed count days in the period}} \times 100$$

Hospital Death Rate (Gross)

$$\frac{\text{Number of deaths of inpatients in period}}{\text{Number of discharges (including deaths)}} \times 100$$

Gross Autopsy Rate

$$\frac{\text{Total inpatient autopsies for a given period}}{\text{Total inpatient deaths for the period}} \times 100$$

Net Autopsy Rate

$$\frac{\text{Total inpatients for a given period}}{\text{Total inpatient deaths minus unautopsied coroners' or medical examiners' cases}} \times 100$$

Hospital Autopsy Rate (Adjusted)

$$\frac{\text{Total hospital autopsies}}{\text{Number of deaths of hospital patients whose bodies are available for hospital autopsy}} \times 100$$

Fetal Death Rate

$$\frac{\text{Total number of intermediate and/or late fetal deaths for a period}}{\text{Total number of live births + intermediate and late fetal deaths for the period}} \times 100$$

Neonatal Mortality Rate (Death Rate)

$$\frac{\text{Total number of newborn deaths for a period}}{\text{Total number of newborn infant discharges (including deaths) for the period}} \times 100$$

Maternal Mortality Rate (Death Rate)

$$\frac{\text{Total number of direct maternal deaths for a period}}{\text{Total number of obstetrical discharges (including deaths) for the period}} \times 100$$

Caesarean-Section Rate

$$\frac{\text{Total number of caesarian sections performed in a period}}{\text{Total number of deliveries in the period (including caesarian sections)}} \times 100$$