Formulas for Commonly Computed Healthcare Rates and Percentages Used on the RHIT Exam

**Average Daily Census**

\[
\text{Total service days for the unit for the period} \div \text{Total number of days in the period} \times 100
\]

**Average Length of Stay**

\[
\frac{\text{Total length of stay (discharge days)}}{\text{Total discharges (includes deaths)}} \times 100
\]

**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**

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