

Measures of Frequency

$$\textbf{Risk} = \frac{\# \text{ new cases}}{\text{total } \# \text{ individuals at risk}}$$

$$\textbf{Rate} = \frac{\# \text{ new cases}}{\text{total person-time at risk}}$$

incidence over given period of time. The cases are individuals who change in status over the specified time period.

$$\textbf{Odds} = \frac{\# \text{ individuals with health outcome}}{\# \text{ individuals without health outcome}}$$

$$\textbf{Prevalance} = \frac{\# \text{ affected individuals}}{\text{total } \# \text{ of individuals in population}}$$

Risk Ratio