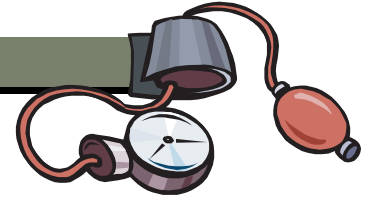


Screening in Public Health Practice

Formulas



Test result	True disease status	
	Present	Absent
Positive	True positive	False positive
Negative	False negative	True negative

Sensitivity

Measures how likely those who have a disease are to test positive on the screening test for it.

$$\frac{\text{true positives}}{\text{true positives} + \text{false negatives}}$$

Specificity

Measures how likely those who do not have a disease are to test negative on the screening test for it.

$$\frac{\text{true negatives}}{\text{true negatives} + \text{false positives}}$$

Predictive Value Positive (PV+)

Measures how likely those who are positive on the screening test for a disease really do have the disease.

$$\frac{\text{true positives}}{\text{true positives} + \text{false positives}}$$

Predictive Value Negative (PV-)

Measures how likely those who are negative on the screening test for a disease really do not have the disease.

$$\frac{\text{true negatives}}{\text{true negatives} + \text{false negatives}}$$

