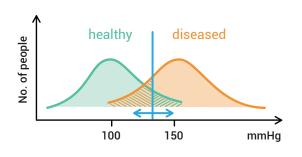


Sensitivity and specificity



In clinical medicine tests are made to separate diseased from healthy individuals.

Validity

V

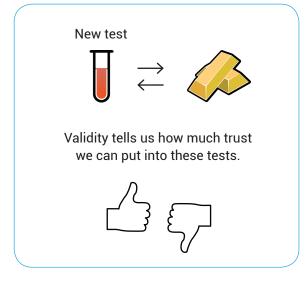
7

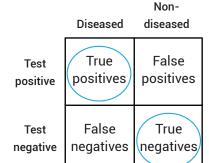
Sensitivity

Proportion of diseased people correctly classified.

Specificity

Proportion of nondiseased people correctly classified. If the test is able to correctly classify a large proportion of people as diseased or healthy it has a high validity.

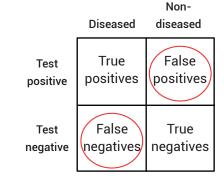


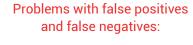


Sensitivity =
$$\frac{\text{True positives}}{\text{Total diseased}} \times 100$$

Specificity = $\frac{\text{True negatives}}{\text{Total non-}} \times 100$

diseased







Invasive tests Dollars Fear Label



