

Accuracy

Accuracy is a measure of the agreement/closeness of a measured value to the true/actual value. With respect to diagnostic accuracy measures, the area under the receiver operating characteristic (ROC) curve can be used as a measure of the accuracy of a diagnostic test.

Negative predictive value

Negative predictive value, with respect to diagnostic testing, is a conditional probability describing the proportion of patients with a negative test that are free of the target disease. Negative predictive value of a diagnostic test is calculated as a ratio: true negative value/(true negative value + false negative value).

Positive predictive value

Positive predictive value, with respect to diagnostic testing, is a conditional probability describing the proportion of patients with a positive test that are positive for the target disease. Positive predictive value of a diagnostic test is calculated as a ratio: true positive value/(true positive value + false positive value).

Precision

Precision is a measure of the reproducibility of a measurement. Precision represents the closeness of agreement between independent measurements, and is commonly expressed as a coefficient of variation or standard deviation.

Receiver operator characteristic

Receiver operator characteristic (ROC) is a graphical plot that highlights a binary classifier system's performance amidst varying discrimination thresholds. Plotting the true positive rate against the false positive rate at several threshold settings will result in the generation of an ROC plot.

Sensitivity

Sensitivity is also known as "true positive rate," and is a statistical measure of the performance of a binary classification test, which measures the percentage of actual positive outcomes/end points that are correctly identified as being a positive outcome/end point, hence the "true positive rate."

Specificity

Specificity is also known as "true negative rate," and is a statistical measure of the performance of a binary classification test, which measures the percentage of actual negative outcomes/end points that are correctly identified as being a negative outcome/end point, hence the "true negative rate."