

Accuracy Terms

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TEST ACCURACY: The 2x2 Table

		Criterion		Normal
		Abnormal	Normal	
Test results (NPP)	Normal Negative Predictive	True Negative/ Specificity	False Negative	Power Predictive Power (PPP)
	Abnormal Positive	False positive	True Positive/ Sensitivity	
		Total Normals	Total Abnormals	Total in Sample

Specificity = True Negative/ Total Normals: Identification of those without the condition

Sensitivity = True positives/Total Abnormals: Identification of those with the condition

False Negative = 1-Sensitivity: How many with the condition does the test misidentify?

False Positive = 1-Specificity : How many without the condition does misidentify?

Hit rate = True Negatives + True Positives/Total in Sample: Overall accuracy

Base rate = Total Abnormals/Total in Sample: How often does the condition occur?

Positive Predictive Power (also Positive Predictive Value) = True test Positives/Total test

Positives: Given the Base Rate, how useful is the test in identifying true positives?

Negative Predictive Power (also Negative Predictive Value) = True test Negatives/Total test

Negatives: Given the Base Rate, how useful is the test in identifying true negatives?