

TEST ACCURACY: The 2x2 Table

		Criterion		
		Normal	Abnormal	
Test results	Normal	True Negative/ Specificity	False Negative	Negative Predictive Power (NPP)
	Abnormal	False positive	True Positive/ Sensitivity	Positive Predictive Power (PPP)
		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?