Sensitivity

This is the ability of a test to correctly identify individuals with a a particular condition

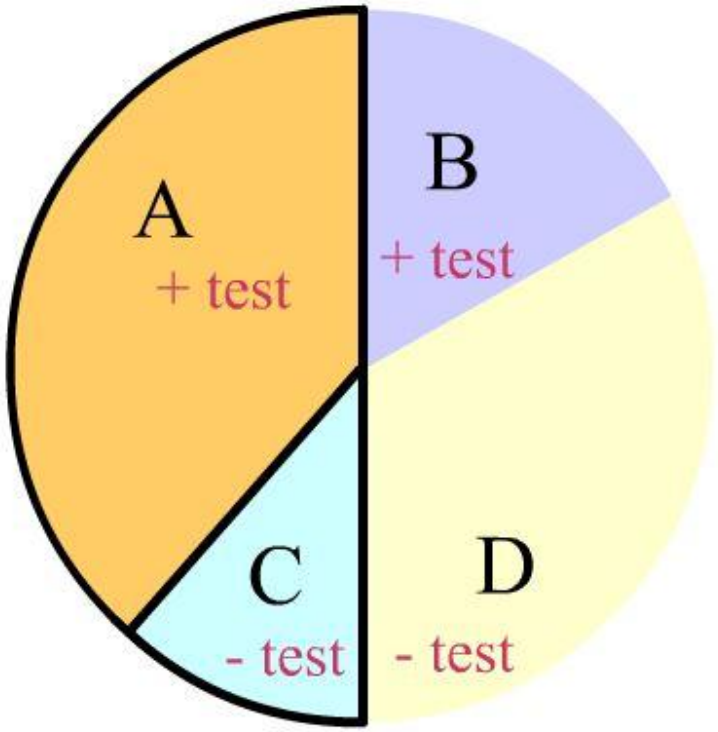
The Two by Two Table

	With Disease	No Disease	Total
+ Test	A	B	A + B
- Test	C	D	C + D
Total	A + C	B + D	A +B + C + D

The results of a diagnostic or screening test are presented and compared against the "gold standard" or "true" results

100 patients tested for condition

A: 40 patients test + and have condition
B: 20 patients test + without condition
C: 10 patients test - and have condition
D: 30 patients test - without condition



Sensitivity = A / A + C
= 40 / 50
= 0.8

The proportion of patients with the condition who test positive

Also called true positive rate;
not dependent on condition prevalence

100 patients tested for condition

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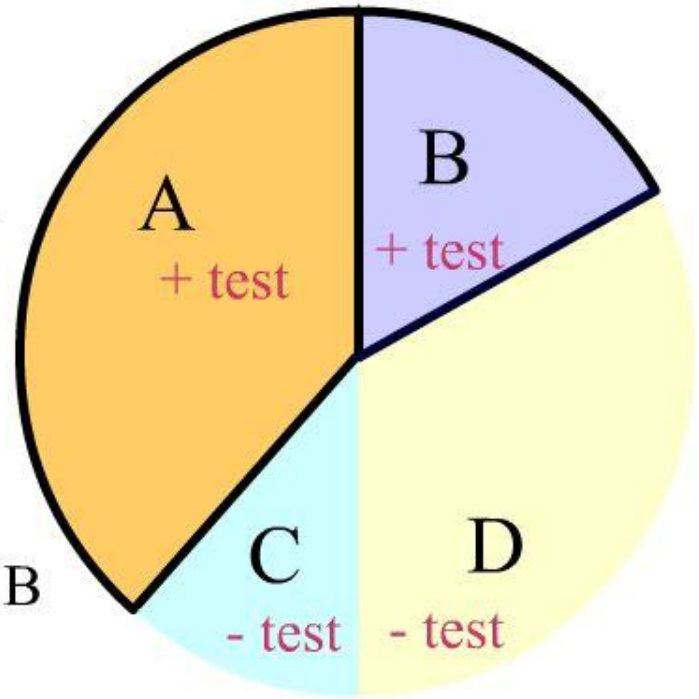

Positive predictive value = A / A + B
= 40 / 60
= 0.67

The proportion of patients with a positive test who have the condition

It is dependent on condition prevalence