

Monograph On  
**DIAGNOSTIC TESTS IN STATISTICS**

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Example

		Radiologist A	
		Positive	Negative
Radiologist B	Positive	4	5
	Negative	2	6

Overall Percent Agreement =  $\frac{4 + 6}{4 + 5 + 2 + 6} \times 100 = 58.8\%$

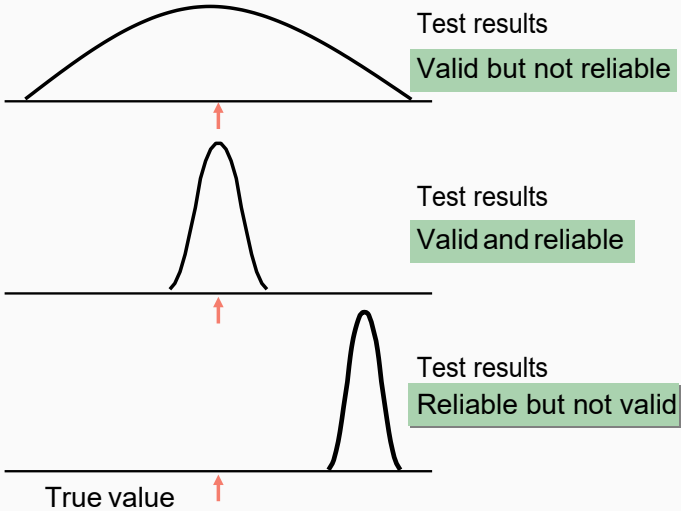
Percent Positive Agreement =  $\frac{4}{4 + 5 + 2} \times 100 = 36.4\%$

Observer or Instrument Variation:  
Overall Percent Agreement

Reading #2	Reading #1			
	Abnormal	Suspect	Doubtful	Normal
Abnormal	A	B	C	D
Suspect	E	F	G	H
Doubtful	I	J	K	L
Normal	M	N	O	P

Percent agreement =  $\frac{A+F+K+P}{\text{Total}} \times 100$

## Outcome of Test Results



## Review

- Define
  - Overall percent agreement
  - Percent positive agreement
- Contrast overall percent agreement and percent positive agreement