

**Actual Risk**

Low Risk

High Risk

Low Risk

 $n_{11}$  $n_{12}$ 

High Risk

 $n_{21}$  $n_{22}$ 

$$\text{Sensitivity} = \frac{n_{22}}{n_{22} + n_{12}}$$

$$\text{Specificity} = \frac{n_{11}}{n_{11} + n_{21}}$$