

1000 people

450 Test Positive

50 Test Negative

450 Test Negative

50 Test Positive

500 sick people

500 well people

PREVALENCE MATTERS

IF 50% PREVALENCE, WITH 90% SENSITIVITY AND 90% SPECIFICITY

1000 people

500 sick people

500 well people

450 Test Positive

50 Test Negative

450 Test Negative

50 Test Positive

PPV = 90%, NPV = 90%

PREVALENCE MATTERS

IF 2% PREVALENCE, WITH 90% SENSITIVITY AND 90% SPECIFICITY