

P (toligonare | +ve) = P(+ve | 7disease) P (-1 disease)

P (+ve)

= 0.03 × 0.992

0.98×0.008 + 0.03 × 0.992

= 0.7915

= 79.15 %.

Pdisease | +ve) = 1 - P(disease | +ve)