

We know that $\Pr[d] = 0.0004$, $\Pr[- \mid d] = 0.01$ and $\Pr[+ \mid \neg d] = 0.00022$.

By Bayes' rule, we have:

$$\begin{aligned}\Pr[d \mid +] &= \frac{\Pr[+ \mid d] \cdot \Pr[d]}{\Pr[+]} \\&= \frac{\Pr[+ \mid d] \cdot \Pr[d]}{\Pr[+ \mid d] \cdot \Pr[d] + \Pr[+ \mid \neg d] \cdot \Pr[\neg d]} \\&= \frac{0.99 \cdot 0.0004}{0.99 \cdot 0.0004 + 0.00022 \cdot 0.9996} \\&= 0.643.\end{aligned}$$

So about 1 in 3 positive results is a dud. MaterniT21 were not lying!