

Testing for another Disease

Bivid-20 is another disease. A test for its diagnosis has been developed with the following characteristics:

- If a person **has Bivid-20**, the test is **positive** with probability **99%** (i.e., the *sensitivity* is 99%).
- If a person **does not have Bivid-20**, the test is **negative** with a probability of **99%** (i.e., the *specificity* is 99%).
- The probability that a **person** has Bivid-20 is **10%** (i.e., the *prevalence* is 10%).

Suppose the test is positive for a person, what is the probability that the person is infected with Bivid-20?

- 98%
- 92%
- 63%
- 10%

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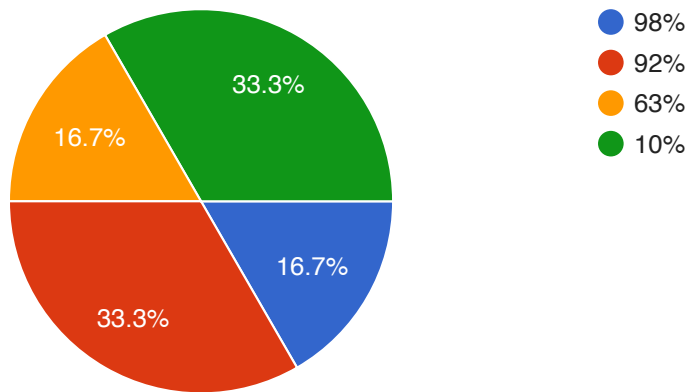
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18 responses

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