

What is a Rapid Review?

Rapid reviews help us find out if a specific scientific question has been studied and if the results of all the studies we find are similar enough that we can be feel certain that we have a reliable answer.

The scientific questions we asked:

How long does COVID-19 vaccine protection last against the Omicron variant?

STEP 1 INVENTORY

Find at all the studies that might give us answers to our question (based on their title and summary)

We found 17,012

STEP 2 GOOD FIT

Review the studies we found to make sure the question they are asking is a good match with ours.

We ended up with 1,390

STEP 3 APPLES AND ORANGES

Review those that are a good fit to find out if they are comparable to each other.

We ended up with 80

- Same type of people (age and health)
- Same vaccines
- Same way to test results
- Same timeframe to test results
- Same way to report results

STEP 4 QUALITY CONTROL

Review the ones that are comparable to find those that tried to answer the question in a way that is reliable.

We ended up with 75

- People in the study were truly comparable
- Results were measured and analysed properly
- All necessary information was available
- All steps were fully completed
- Conclusions made were well-founded

STEP 5 TIPPING THE SCALE

When we find that **at least 4** comparable and reliable studies show similar results we can say that we seem to have an answer, but cannot say we are sure about it yet.

We keep looking in order to answer our question with more certainty.

At this stage, it looks like...
The added protection a booster can give seems to fall well under 50% after 5 months.

STEP 6 CERTAINTY

When we find that **at least 10** comparable and reliable studies show similar results, we can say that we are quite sure that we found an answer to our question.

How long does COVID-19 vaccine protection last against the Omicron variant?

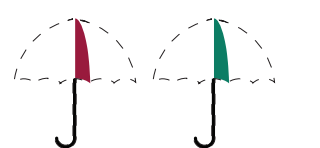
Here's what we found out.

**LEVEL OF PROTECTION
1 MONTH AFTER
FULL VACCINATION**



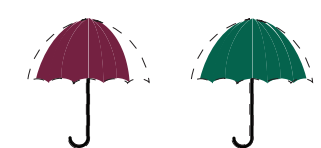
61% INFECTION **79%** HOSPITALIZATION

**LEVEL OF PROTECTION
10 MONTHS AFTER
FULL VACCINATION**



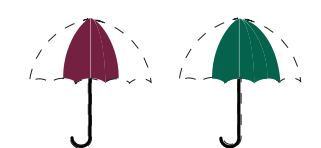
8% INFECTION **8%** HOSPITALIZATION

**LEVEL OF PROTECTION
1 MONTH AFTER
BOOSTER SHOT**



67% INFECTION **92%** HOSPITALIZATION

**LEVEL OF PROTECTION
4 MONTHS AFTER
BOOSTER SHOT**



42% INFECTION **50%** HOSPITALIZATION