



halvia · research deck

Faster answers for respiratory infections

Point-of-care multiplex PCR in the emergency
department: a pilot evaluation for the
infection and acute medicine teams.

SAMPLE DECK · ILLUSTRATIVE DATA

Can a 30-minute test change decisions at the front door?

~24 h

to a laboratory PCR result in this example, while the patient waits for a bed decision.

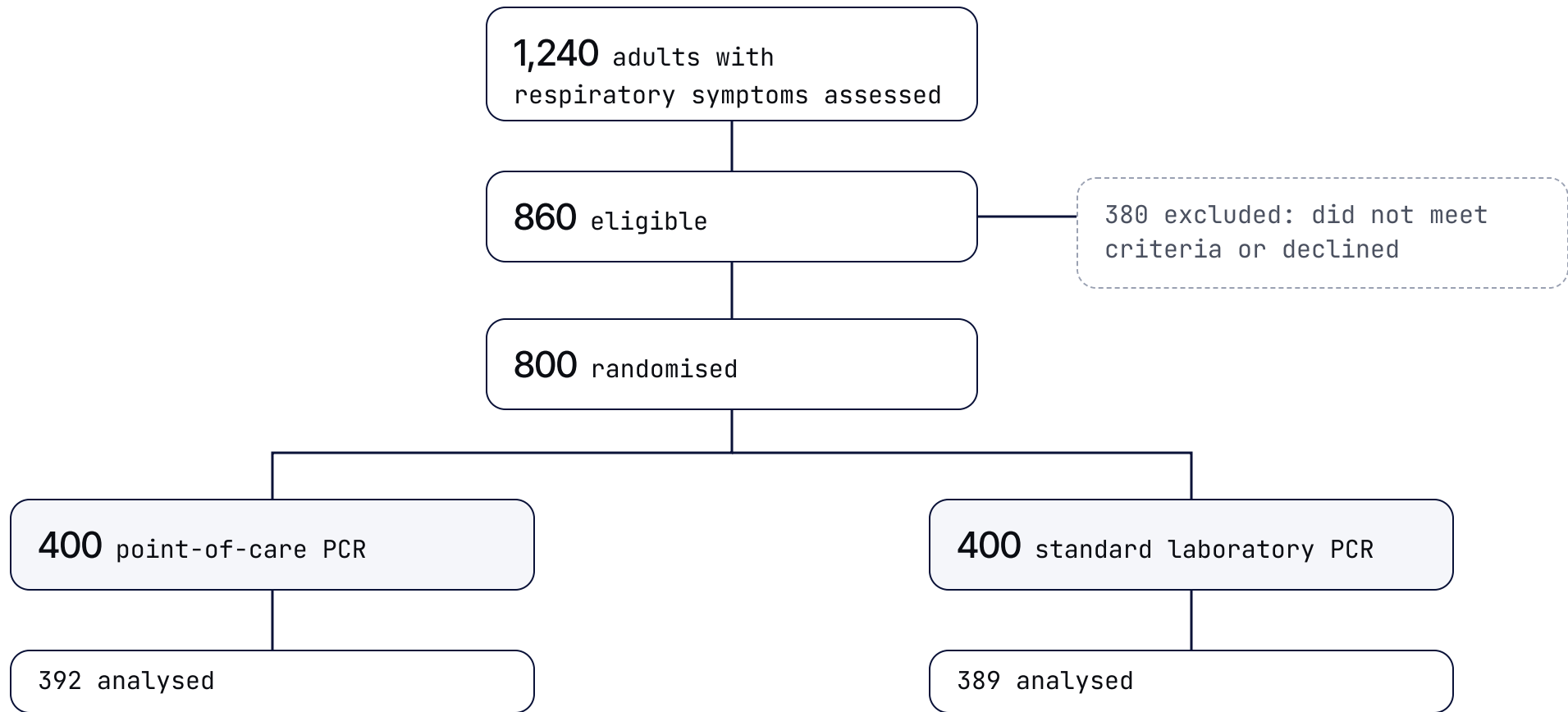
1 in 3

side-room beds held for patients who turn out not to need isolation.

2 of 3

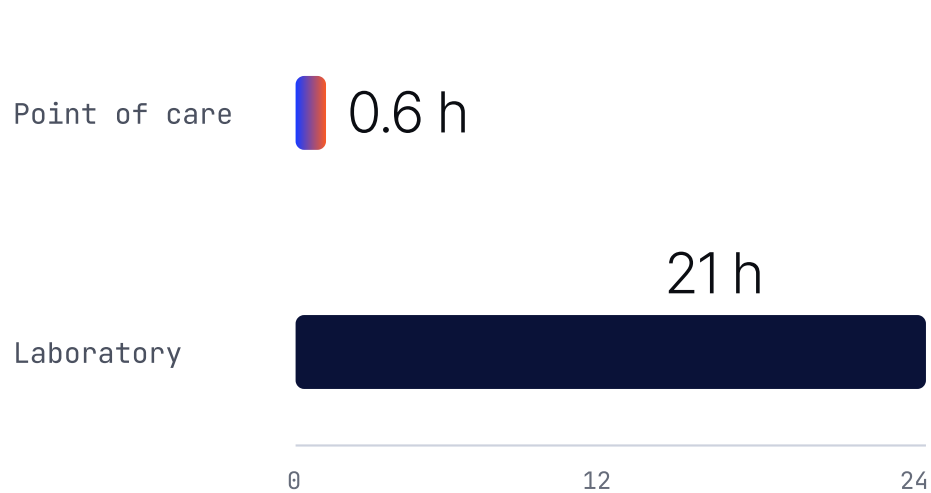
patients started on antibiotics before the cause of infection is known.

Who took part

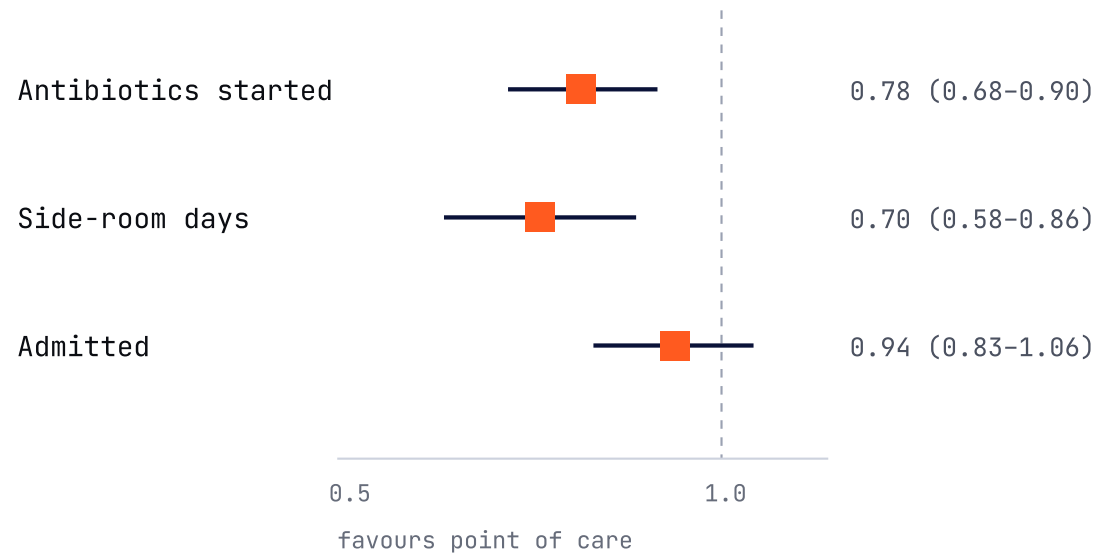


Results in under an hour, and fewer unnecessary antibiotics

MEDIAN TIME TO RESULT (HOURS)



EFFECT ON OUTCOMES • RISK RATIO (95% CI)



Three things for the department to decide

- 1 Faster results freed side rooms sooner, but didn't change admissions on their own.
- 2 The antibiotic effect depended on clinicians seeing the result before prescribing.
- 3 A wider rollout needs a plan for staffing the test outside working hours.

For discussion

Do we extend the pilot to the acute medical unit, and who owns the result pathway?



Research that's easy to present, and easy to act on

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