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COVID-19 vaccine calculations: answers

Janice Davies

QUESTION 1

One box of Pfizer vaccine contains 195 vials. Each vial produces six vaccine doses after reconstitution. How many vaccine doses can be administered from one box of Pfizer vaccines?

- 1170

QUESTION 2

The Pfizer vaccine has a 5 day expiry date once it is removed from the deep freezer. Therefore, clinics at the PCN site are typically held for the 3 days following receipt of the vaccine. How many patients should be booked in each day?

- 390

QUESTION 3

How many vials need to be prepared each day?

- 65 vials

QUESTION 4

It is one hour before the clinic closes and there are still 30 patients due in. How many vials need to be prepared for these patients?

- 5 vials

QUESTION 5

If there are three vaccinators doing home visits in one morning and they take one 10-dose vial each, how many patients should be:

- a) Given an appointment?
- b) On the reserve list?

- a) 30
- b) 3



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