

Central Lancashire Online Knowledge (CLoK)

Title	COVID-19 vaccine calculations
Type	Article
URL	https://clock.uclan.ac.uk/id/eprint/37210/
DOI	10.12968/jprp.2021.3.3.106
Date	2021
Citation	Davies, Janice Anne (2021) COVID-19 vaccine calculations. Journal of Prescribing Practice, 3 (3). p. 106. ISSN 2631-8385
Creators	Davies, Janice Anne

It is advisable to refer to the publisher's version if you intend to cite from the work.
10.12968/jprp.2021.3.3.106

For information about Research at UCLan please go to <http://www.uclan.ac.uk/research/>

All outputs in CLoK are protected by Intellectual Property Rights law, including Copyright law. Copyright, IPR and Moral Rights for the works on this site are retained by the individual authors and/or other copyright owners. Terms and conditions for use of this material are defined in the <http://clock.uclan.ac.uk/policies/>

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



Adobe Stock / onephoto

© 2021 MA Healthcare Ltd