Channel 4 News (12-01-21)

as of 12 January, 2,431,648 people were vaccinated

REVEAL - 2,431,648 vaccinated

- if this current rate of vaccination continues then the 13.9 million most vulnerable people - that Boris Johnson has committed to vaccinating - will all receive their first dose by 16-Mar-2021.

REVEAL - 16-Mar-2021 most vulnerable vaccinated

Modelling conducted for this programme by Professor Karl Friston of University College London suggests that if an average of 58,000 a day (or 406000 per week) vaccinations can be delivered, 12.1 M older people can be vaccinated by 1 March.

REVEAL – 12.1 M older people can be vaccinated by 1 March.

By the 31st of January daily deaths would be at xxx -
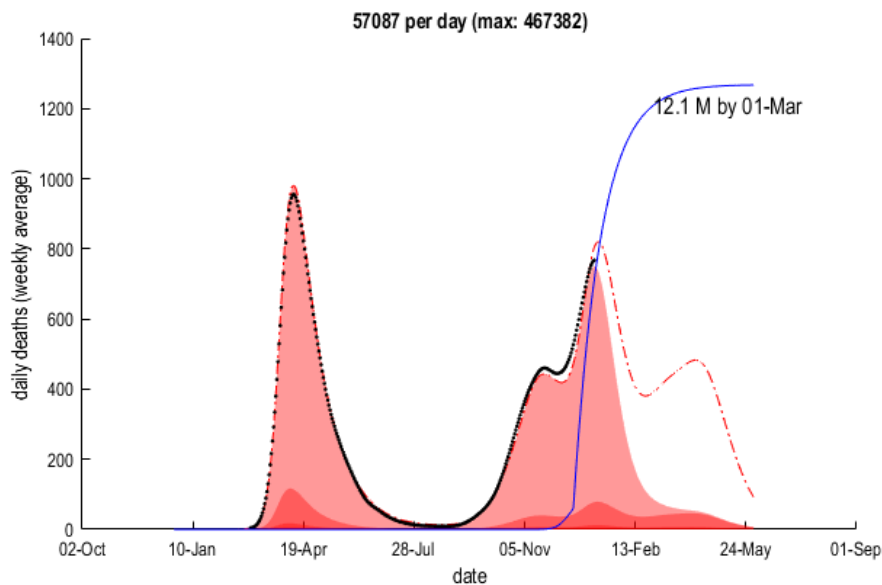
REVEAL - 31st January 296 deaths

by 15th February they would be at xxx -

REVEAL 15th February 137 deaths

by 1st of March, they would be at xxx per day.

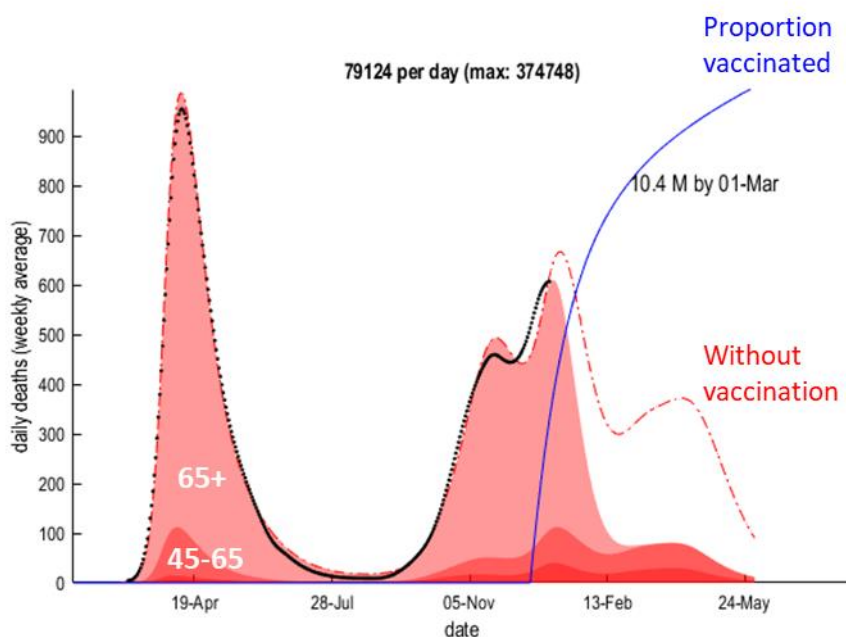REVEAL 1st March 92 deaths a day

Graphical Projections

Data sources: Download data | Coronavirus in the UK

Analysis resources: Dynamic Causal Modelling of COVID-19 (UK) (ucl.ac.uk)

Original draft (08-01-21)

In the week ending 3 January, 333,324 people were vaccinated – if this current rate of vaccination continues then the 13.9 million most vulnerable people – that Boris Johnson has committed to vaccinating – will all receive their first dose by 8th of October.

Our modelling suggests that if an average of 80,000 a day (or 554,000 per week) vaccinations can be delivered, 10.4 M older people can be vaccinated by 1 March. By the 31st of January daily deaths would be at 218 - by 15th February they would be at 95 - by 1st of March they would be at 74 per day.

This assumes the vaccines are 50% effective, precludes transmission and are delivered to vulnerable cohorts (i.e., people over the age of 65). It also assumes a rigorous but slowly relaxing lockdown. In a few weeks, data on case numbers and death rates should enable us to estimate the effectiveness of the vaccine in reducing deaths.