

### **Week 3 Assignment Observations**

Overall, all Gibraltar has the highest number of individuals (264745) who have received a first dose but not a second dose. However, when analysed by percentage difference, Saint Helena, Ascension and Tristan da Cunha has the highest percentage difference (almost 96%).

In terms of how the number of individuals who have been vaccinated has changed over time, the large dataset has been subsetting to focus on Gibraltar as a sample population.

Observations are as follows:

First vaccinations are recorded on the 11th of January 2021. Maximum uptake of first doses occurs on the 20th March 2021 (total is 94038) whilst maximum uptake of the second dose occurs on the 22nd May 2021 (total is 69619). The recommended 2 month gap between first and second dose vaccinations may account for these maximum uptakes also being two months apart.

Uptake of first vaccination dose remains steadily high throughout 2021 winter and spring months. However, in early July 2021 a noticeable drop in first vaccinations can be observed. Second vaccination uptake remains high at this time and do not begin to fall until late August and September 2021.

A possible reason for second vaccinations remaining higher for a longer duration than first vaccinations may also related to the advised 2 month recommended waiting time between first and second vaccinations.









