# Cases and hospital rates

The effect of the vaccine rollout can already be seen in the latest rise in Covid-19 cases. Cases and hospital admissions are both rising exponentially, but the gap between the two has never been larger since the start of the pandemic.

Public Health England has also stated that the Delta variant, which is driving this new wave of Covid-19 cases, is both more vaccine-resistant and more dangerous than the preceding Alpha variant.

However, this has not translated into a comparative rise in hospital cases to the same extent as happened in January of this year.

This shows that even as hospital admissions continue to climb, the vaccine rollout has prevented a wholesale repeat of previous, more deadly, waves.

The difference is also encouraging in that it suggests that more of the UK population receives two doses the burden on the NHS will gradually subside.

However, it’s unclear whether the vaccine rollout will be successful enough to keep the burden on the NHS to manageable levels.

Data from the Covid-19 dashboard shows that the proportion of admissions to cases was at its highest at the very start of the pandemic when there were very few treatments for Covid-19 and vaccinations were a very long way away.

The proportion then fell considerably before rising in the first few months of 2021 as the Alpha strain, which originated in Kent, became dominant in the UK.

However, since the peak of the second wave of Covid-19 the proportion of admissions to cases has consistently fallen as the vaccine rollout has gathered pace.