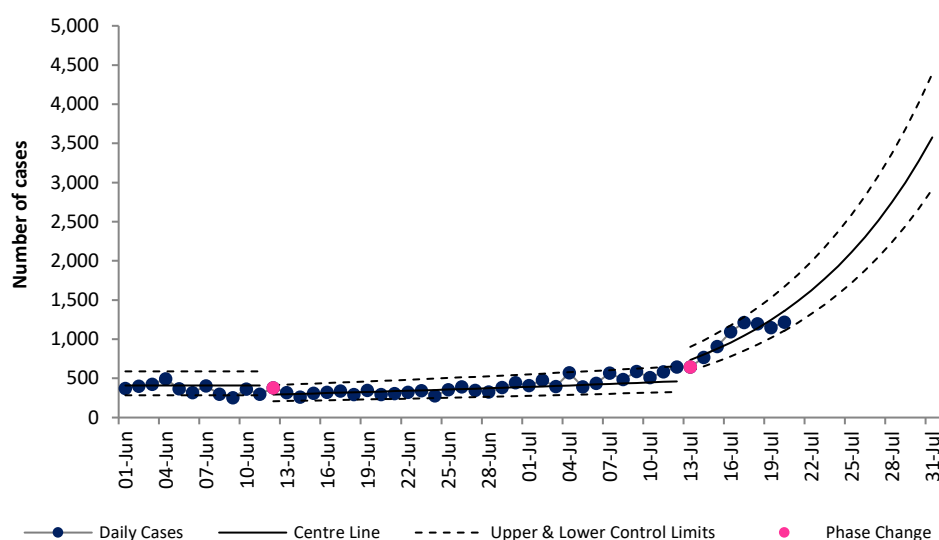


COVID-19 Data Summary, Wednesday 21st July 2021

Weekly Report on COVID-19 Statistical Process Control Charts

21 July 2021

Daily COVID-19 Reported Cases



Epoch 2: Growth in daily reported cases

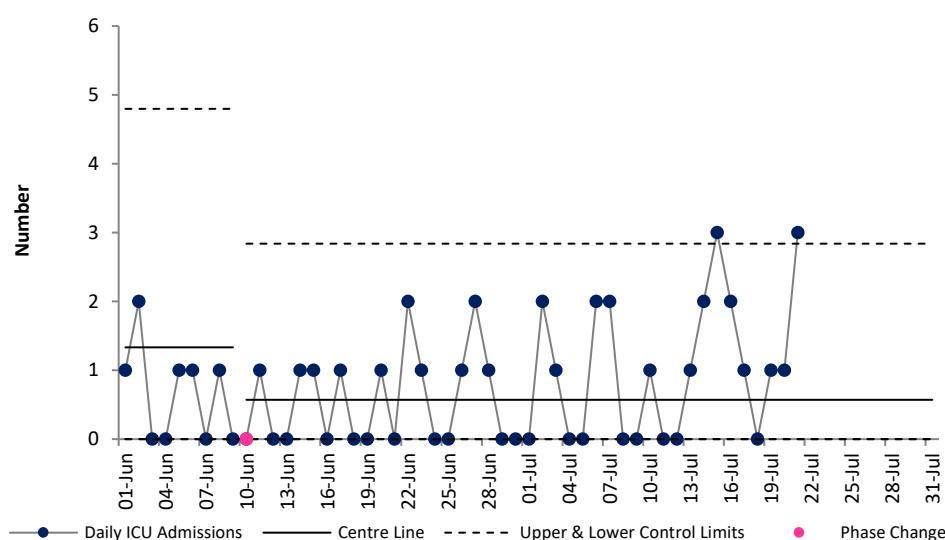
The latest data indicates that the number of new cases reported per day has been increasing (i.e. in the growth phase / Epoch 2) since 12th June after being in Epoch 3 (plateau or descent in daily cases) since 17th May.

The average number of cases per day increased from 294 on 12th June to 462 per day on 12th July.

Cases increased at faster rate from 13th July, from an average of 736 per day to 1,361 per day on 20th July.

If cases continue to grow at this rate we can expect to see an average of 3,576 cases per day by 31st July.

Daily admissions to ICU of COVID-19 positive patients



Epoch 4: Stability after descent in daily reported ICU admissions

The number of new ICU admissions per day of COVID positive patients has been trending downwards since January.

There was a signal of a reduction in the average number of new ICU admissions of COVID positive patients per day from 1.3 since 30th April to 0.6 per day since 10th June.

The number of ICU admissions remains stable since then and based on the current data we can expect to continue to see an average of 0.6 ICU admissions per day, i.e. 4 ICU admissions per week. Although ICU admissions in recent days have been higher than average, there are no statistical signals currently of a growth in ICU admissions.

Note that due to the cyber attack data on daily new hospital admissions of COVID-19 positive patients and daily notified deaths of people with COVID-19 are not currently available.

For more information on the methodology used above and the team behind the development of this SPC approach see <https://www.hse.ie/eng/about/who/qid/covid-19-qi-learning/resources-developed-to-support-the-national-covid19-response/understanding-variation-in-key-covid-19-indicators-in-ireland-using-statistical-process-control-shewhart-charts.pdf>