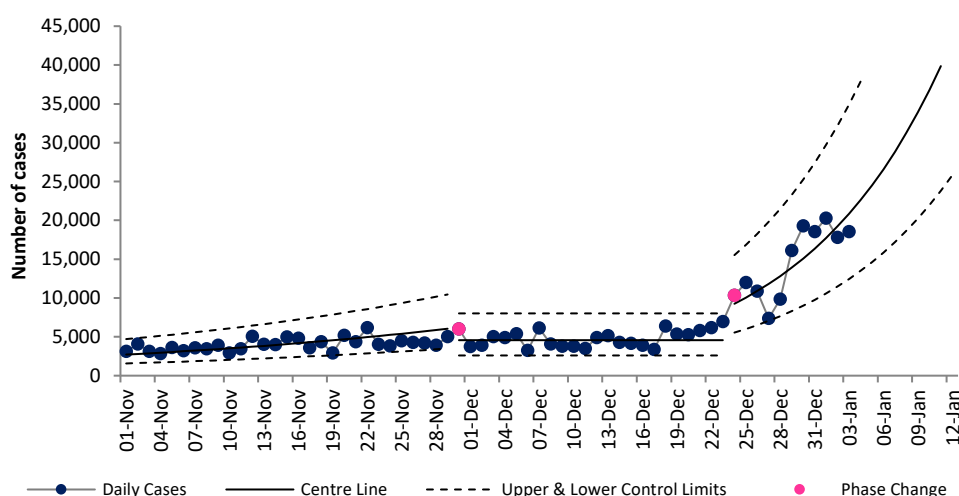


COVID-19 Data Summary, Wednesday 5th January 2022

Weekly Report on COVID-19 Statistical Process Control Charts

Daily COVID-19 Reported Cases



Epoch 2: Growth in Daily Reported Cases

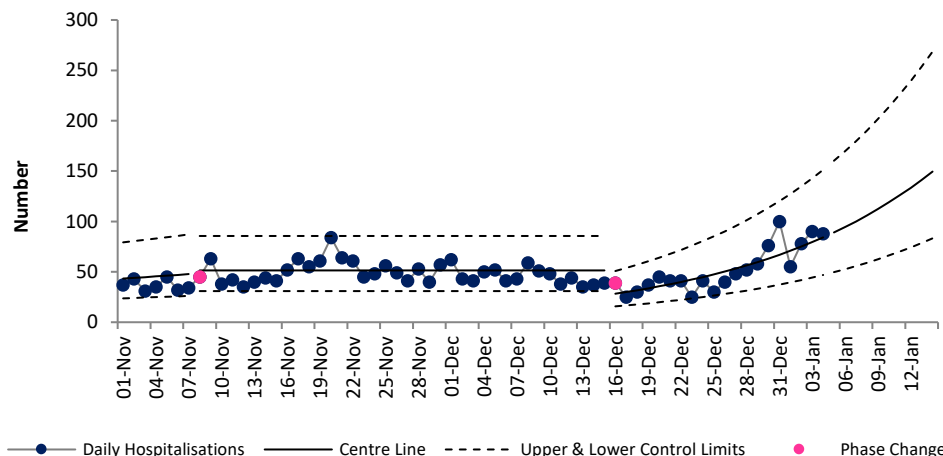
From 15th October, cases entered Epoch 2, rapid growth. During this phase both cases and the rate of growth of cases increased.

From November 30th, daily reported cases re-entered Epoch 3, plateau or decline.

From 24th Dec the number of daily cases increased rapidly and we entered epoch 2, rapid growth.

If the current rate of growth continues we would expect to see 39,858 cases on 11th January.

Daily new hospital admissions of COVID-19 positive patients



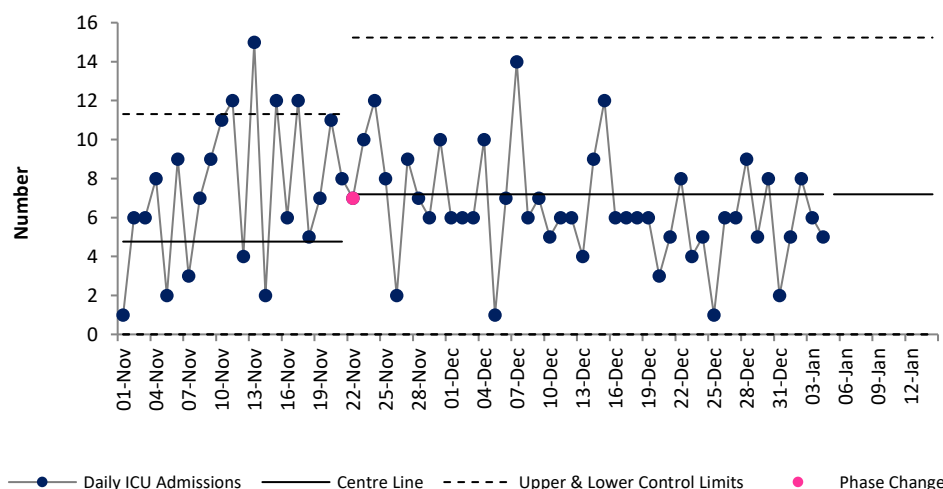
Epoch 2: Growth in Daily Reported Hospitalisations

From 20th Oct, Covid Hospitalisations remained in epoch 3 (stability/plateau) at a higher level than previously with an expected 39 daily admissions.

From 20th Nov, Covid Hospitalisations increased again to an expected level of 52 admission per day.

From 17th Dec Ireland entered epoch 2 experiencing rapid growth in daily reported hospitalisations. If this rate of growth continues, we would expect to see 150 daily admissions on 12th January.

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 had been trending downwards since January. From 18th August to 21st Nov ICU admissions remained stable but at a higher level than preceding weeks (4.8 per day).

From 22nd Nov onward expected ICU admissions increased to **7.2 per day (50 a week)**. While the absolute number of expected admissions has increased, it does not yet met the threshold for rapid growth and thus remains stable at that higher level.

Note that due to the cyber attack data on 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>