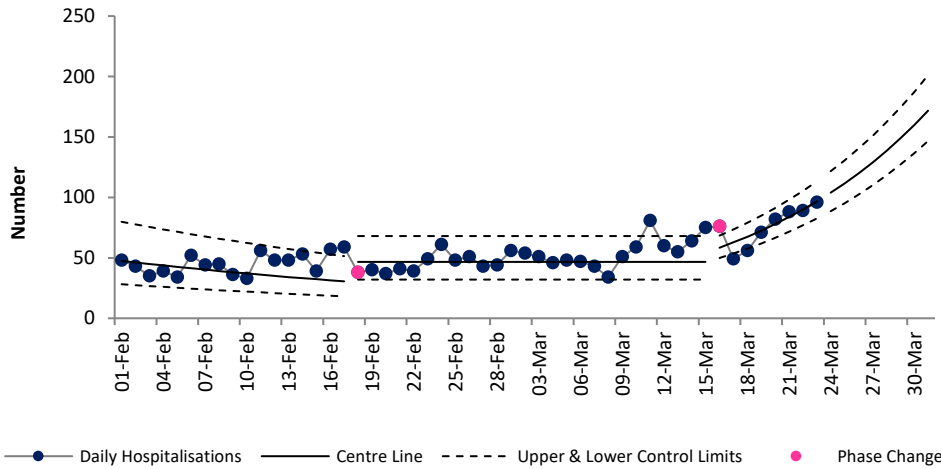


COVID-19 Data Summary, Wednesday 23rd March 2022

Weekly Report on COVID-19 Statistical Process Control Charts

23rd March 2022

Daily new hospital admissions of COVID-19 positive patients



Epoch 2: Growth in Daily Hospitalisations

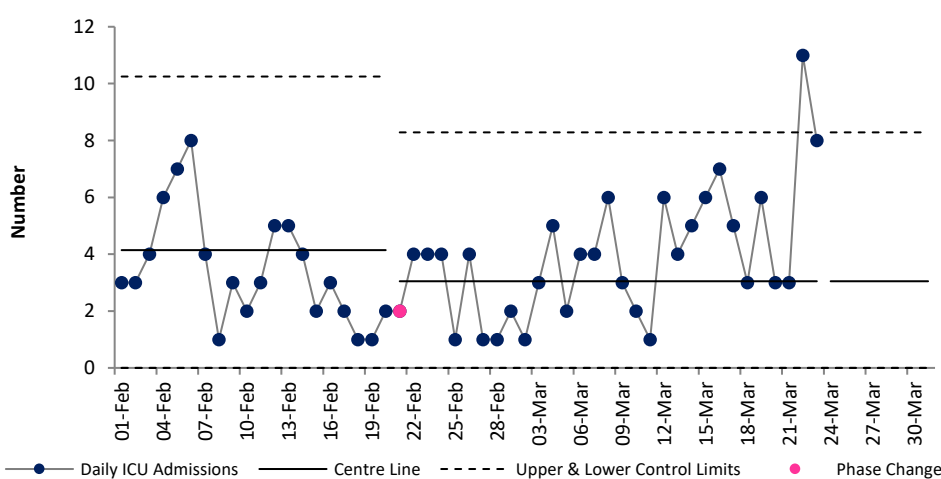
From 17th Dec 2021 Ireland entered epoch 2 experiencing rapid growth in daily hospital admissions.

The number of daily hospital admissions continued to increase and remained in the rapid growth phase until 13th January. From 14th January we returned to Epoch 3 (plateau or descent in daily hospital admissions), and admissions trended downwards.

On 18th February we returned to a plateau with an expected average of 47 daily admissions (329 a week).

On March 16th we entered a phase of rapid growth. Based on this data we would expect 172 admissions on 30th March.

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 2021. From 18th August to 21st Nov 2021 ICU admissions remained stable but a higher level than preceding weeks (4.8 per day).

From 22nd Nov 2021 to 27th Jan 2022 ICU admissions increased to 7.2 per day (50 a week).

From the 28th Jan to 20th Feb the average number of expected ICU admissions decreased to 4.1 per day (30 a week).

From 21st Feb the average number of expected ICU admissions stabilised at a lower rate of 3 per day (21 a week).

11 admissions to ICU on 22nd March was higher than expected.

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>