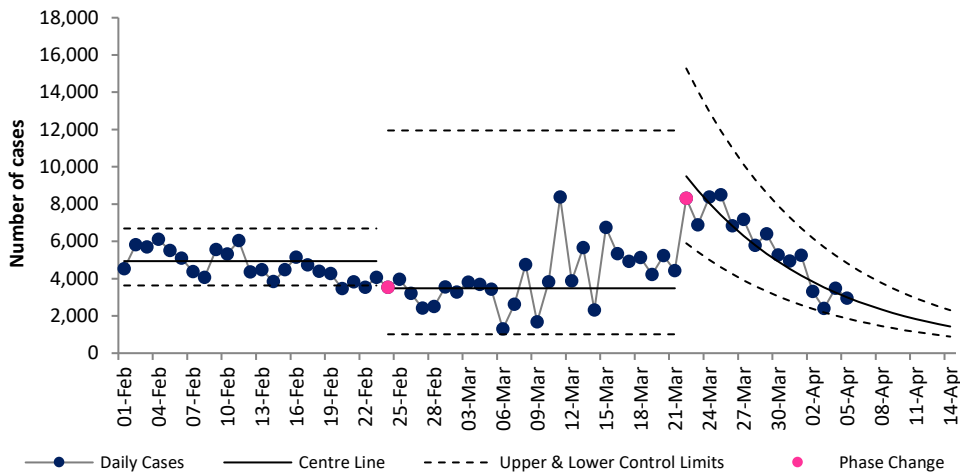


# COVID-19 Data Summary, Wednesday 6<sup>th</sup> April 2022

## Weekly Report on COVID-19 Statistical Process Control Charts

6<sup>th</sup> April 2022

**Daily COVID-19 Reported Cases**



**Epoch 3: Plateau or Descent in Daily Reported Cases**

**From 24<sup>th</sup> Dec** the number of daily cases increased rapidly and we entered Epoch 2, rapid growth.

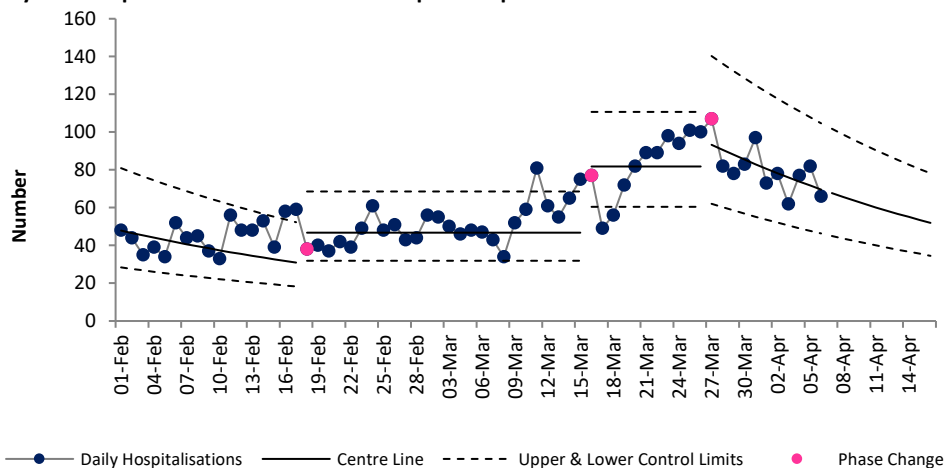
**On 14<sup>th</sup> January** we entered Epoch 3 (plateau or descent in daily reported cases). On 24<sup>th</sup> January we entered a plateau with 4,955 daily cases expected. From 24<sup>th</sup> Feb we entered a plateau at a lower level with 3,107 daily cases expected.

**From 22<sup>nd</sup> Mar** we entered a decent from a higher level.

**Based on current data we would expect 1431 cases on April 14<sup>th</sup>.**

Note: This data is based on positive PCR tests only and does not include positive antigen tests. There was a change in policy on 14<sup>th</sup> January with people aged 4-39 years no longer requiring a confirmatory PCR after a positive antigen test and from 28<sup>th</sup> Feb the requirement to get a PCR test was removed for most people, with the exception of certain groups.

**Daily new hospital admissions of COVID-19 positive patients**



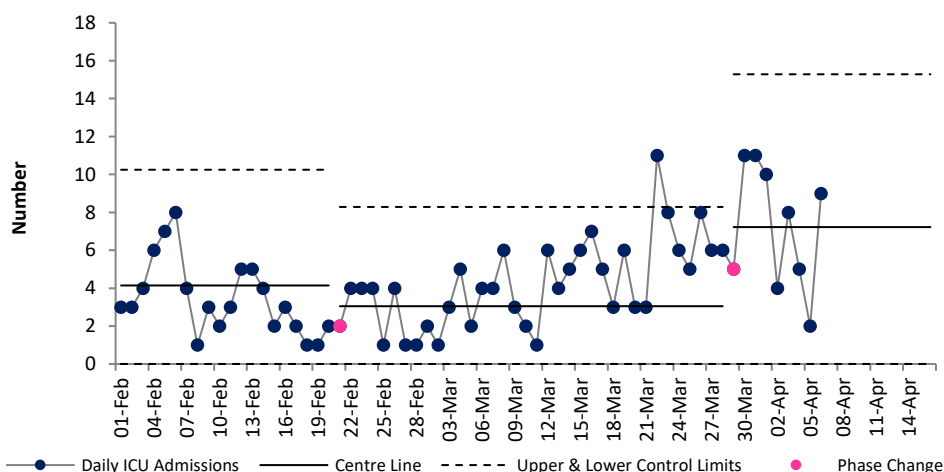
**Epoch 3: Plateau or descent in Daily Hospitalisations**

**From 17<sup>th</sup> Dec 2021** Ireland entered epoch 2 experiencing rapid growth in daily hospital admissions until 13<sup>th</sup> January. From 14<sup>th</sup> January we returned to Epoch 3 (plateau or descent in daily hospital admissions), and admissions trended downwards.

On 18<sup>th</sup> February we moved to a plateau with an expected average of 47 daily admissions. **On 16<sup>th</sup> March we entered a plateau at higher rate (82 expected daily admissions)**

**On 27<sup>th</sup> March** we entered a decent with 52 admissions expected on 14<sup>th</sup> April.

**Daily admissions to ICU of COVID-19 positive patients**



**Epoch 4: Stability after descent in daily reported ICU admissions**

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

From 22<sup>nd</sup> Nov 2021 to 27<sup>th</sup> Jan 2022 ICU admissions increased to 7.2 per day. From the 28<sup>th</sup> Jan to 20<sup>th</sup> Feb they decreased to 4.1 per day, then From 21<sup>st</sup> Feb to 28<sup>th</sup> Mar they decreased further to 3 per day.

**From the 29<sup>th</sup> March** the average number of expected ICU admissions increased to 7.2 per day (51 per week).

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>