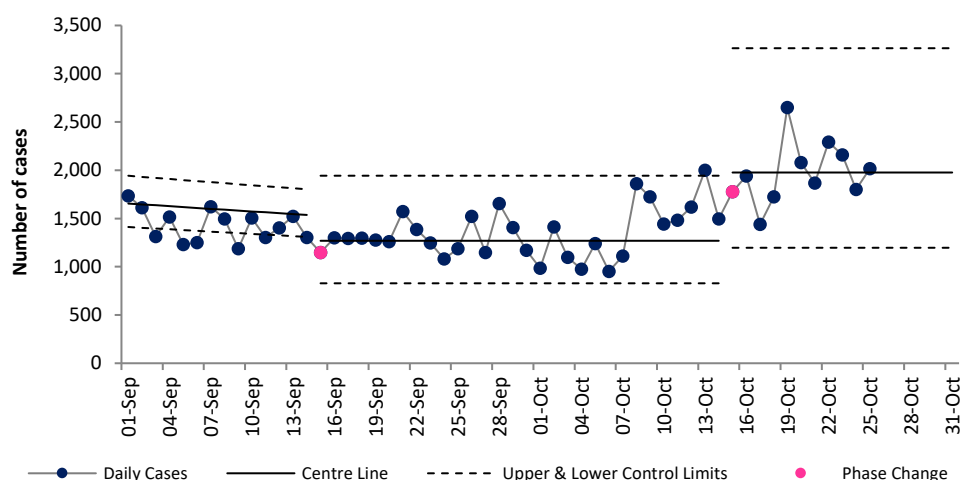


# COVID-19 Data Summary, Wednesday 27th October 2021

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

27th October 2021

### Daily COVID-19 Reported Cases



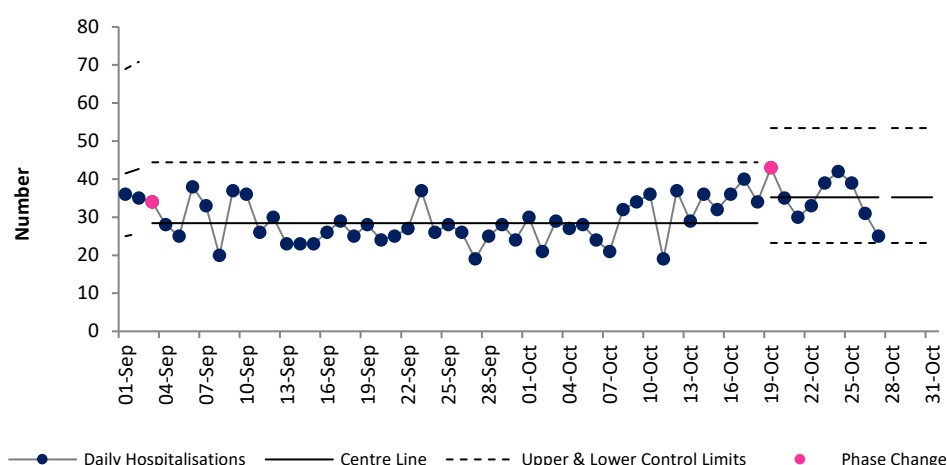
### Epoch 3: Plateau or descent in daily reported cases

The number of new cases reported per day had been increasing (i.e. in the growth phase / Epoch 2) between 12<sup>th</sup> June & 15<sup>th</sup> August. Cases then decreased (i.e. the Plateau or descent phase/ Epoch3) between 16<sup>th</sup> August and 22<sup>nd</sup> September.

**From 23<sup>rd</sup> September to 14<sup>th</sup> October cases remained in Epoch 3, stable but at a higher level. From 15<sup>th</sup> October we again see cases remaining in Epoch 3 (stability) but at a higher level again.**

Based on data up to 27<sup>th</sup> October we would expect to continue to see an average of 1,976 new cases per day.

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

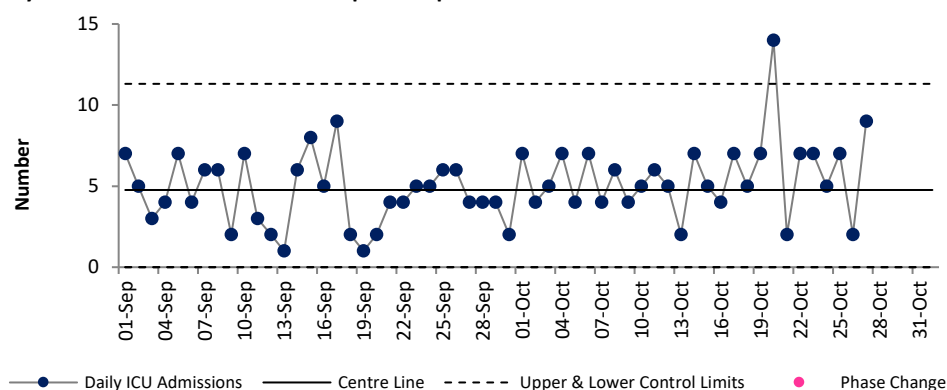


### Epoch 3: Plateau or descent in daily reported hospital admissions

The number of new hospitalisations per day of COVID positive patients had been trending upwards until 2<sup>nd</sup> September (i.e. in Epoch 2, growth phase), during which time the average increased from 16 admissions per day on 1<sup>st</sup> August to 42 admissions per day by 2<sup>nd</sup> September.

There was signal of a reduction from 3<sup>rd</sup> Sept and admissions entered Epoch 3 (plateau or descent phase). Since Oct 19<sup>th</sup> admissions have been stable but at a higher level. Based on the current data we can expect to continue to see an average of 35 hospital admissions of COVID positive patients per day.

### 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.

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 30<sup>th</sup> April to 0.6 per day since 10<sup>th</sup> June.

From 25<sup>th</sup> July to 17<sup>th</sup> August ICU admissions remained stable at a higher level than in preceding weeks (3.3 per day).

From 18<sup>th</sup> August ICU admissions remain stable but again at a higher level than preceding weeks. We can expect an average of 4.8 admissions per day. **Outlying value of 14 admissions was recorded on Oct 20<sup>th</sup>.**

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-qj-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>