

## Change to Reporting Frequency

Please note that information on deaths on the COVID-19 dashboard will be updated at weekends from Saturday 26th September.

## Daily Dashboard Data

Please note that the Dashboard data file is available to download daily at <https://www.health-ni.gov.uk/articles/covid-19-daily-dashboard-updates>

## Recent Dashboard Updates

From 3rd September an additional page was added on laboratory completed tests by LGD during the most recent and previous 7 days, and a breakdown of positive tests by age group and LGD.

From 26th August information on admissions and discharges within the last 7 and 14 days has been added to page 10 of the dashboard



## SUMMARY INFORMATION:

**474,425**

Total laboratory completed tests for COVID-19  
(Pillar 1 & 2)

**335,641**

Individuals with a lab completed test for COVID-19 (Pillar 1 & 2)

**10,542**

Individuals with Positive lab completed test (Pillar 1 & 2)

**560**

Positive lab completed tests per 100k population (Pillar 1 & 2)

**578**

Total number of deaths reported up to end of current reporting period

**46**

COVID-19 confirmed Inpatients

**1,663**

COVID-19 confirmed Discharges

**95**

ICU Beds

**5**

ICU COVID-19 confirmed

**15**

ICU Available

**3,672**

Total Beds

**3,134**

Total Beds Occupied

**85%**

Occupancy %

**27**

Active COVID-19 Care Home Outbreaks

**201**

Closed COVID-19 Care Home Outbreaks

# COVID-19 Testing Overview

COVID-19 Testing Overview Updated at midnight on 25 September 2020



**IMPORTANT NOTE:** Information below refers ONLY to Laboratory Completed Tests for the SARS-COV2 Virus in NI carried out at both (i) **HSC Trust Labs (Pillar 1)** and (ii) **National Initiative (Pillar 2)**. Laboratory completed tests for the National Initiative is provisional and may be subject to revision. They include samples taken at Regional Testing Centres, Mobile Testing Units and home testing kits from 29th April 2020. Data on Pillar 2 Laboratory Completed tests prior to 29th April 2020 will be reported in due course.

## Total Tests

**474,425**

Includes tests carried out by both HSC Labs and National Initiative

## Individuals Tested

**335,641**

Includes tests carried out by both HSC Labs and National Initiative

## Individuals Tested Positive

**10,542**

Includes tests carried out by both HSC Labs and National Initiative

## Individuals Tested Positive in last 7 days

**1,396**

Includes tests carried out by both HSC Labs and National Initiative

## i. Pillar 1 - HSC Trust Laboratory Completed Tests

**25 September 2020**
**209,551**

Total Lab Tests

**137,915**

Individuals Tested

**5,438**

Individuals Tested Positive

### Daily Change

**1,494**

Total Lab Tests

**546**

Individuals Tested

**9**

Individuals Tested Positive

## ii. Pillar 2- National Initiative Laboratory Completed Tests (From 29th April onwards)

**25 September 2020**
**264,874**

Total Lab Tests

**197,726**

Individuals Tested

**5,104**

Individuals

### Daily Change

**7,170**

Total Lab Tests

**4,480**

Individuals Tested

**310**

Individuals Tested Positive

## Total Laboratory Completed Tests (Pillar 1 & 2)

**25 September 2020**
**474,425**

Total Lab Tests

**335,641**

Individuals Tested

**10,542**

Individuals Tested Positive

### Daily Change

**8,664**

Total Lab Tests

**5,026**

Individuals Tested

**319**

Individuals Tested Positive

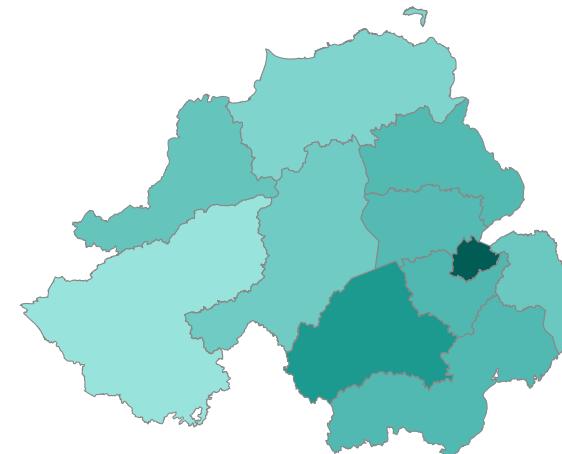
**NOTES:** Information on Individuals with a laboratory completed test has been revised to ensure that those individuals tested in both Pillar 1 and Pillar 2 are counted ONLY ONCE.



# COVID-19 Testing by LGD

Individuals with laboratory completed tests for the SARS-COV2 Virus in NI refers to both (i) **HSC Trust Labs** and (ii) **National Testing Centres** and is presented below by Local Government District. It is important to note that Local Government Districts assigned as 'Not Known' refer to individuals with insufficient address / postcode details.

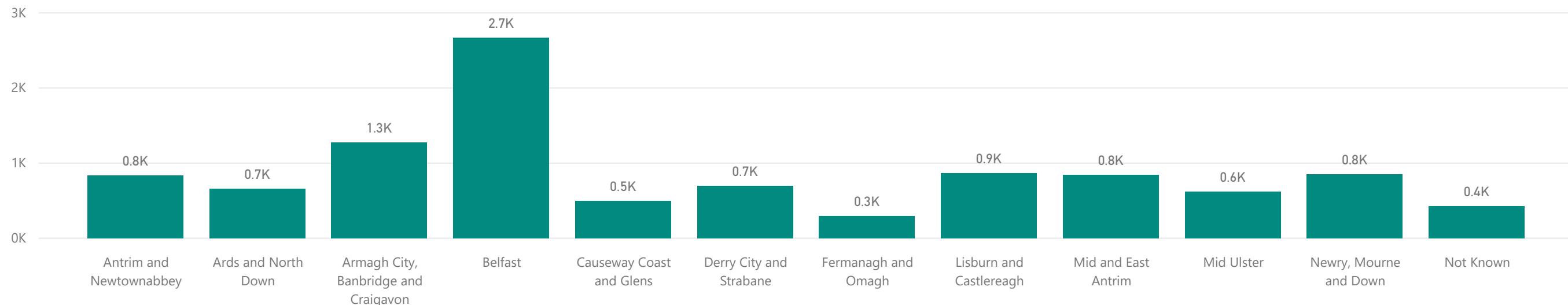
## Individuals with a Laboratory Completed Positive Test (Pillar 1 & 2) for SARS-COV2 Virus by Local Government District



## Breakdown of Individuals with a Laboratory Completed Test (Pillar 1 & 2) by Local Government District

Local Government District	Total Individuals Tested	Individuals Tested Positive	Individuals Tested Negative	Individuals with Indeterminate Result	Positive Tests per 100k population
Antrim and Newtownabbey	25,748	836	24,910	2	586
Ards and North Down	26,226	661	25,562	3	411
Armagh City, Banbridge and Craigavon	37,641	1,275	36,364	2	597
Belfast	67,220	2,673	64,538	9	783
Causeway Coast and Glens	21,333	496	20,835	2	344
Derry City and Strabane	25,912	700	25,208	4	465
Fermanagh and Omagh	17,757	294	17,460	3	252
Lisburn and Castlereagh	26,900	869	26,027	4	599
Mid and East Antrim	22,772	841	21,930	1	607
Mid Ulster	22,102	620	21,482	0	420
Newry, Mourne and Down	33,275	849	32,423	3	471
Not Known	8,755	428	8,318	9	
<b>Total</b>	<b>335,641</b>	<b>10,542</b>	<b>325,057</b>	<b>42</b>	<b>560</b>

## Individuals with a Positive Laboratory Completed Test (Pillar 1 & 2) by Local Government District

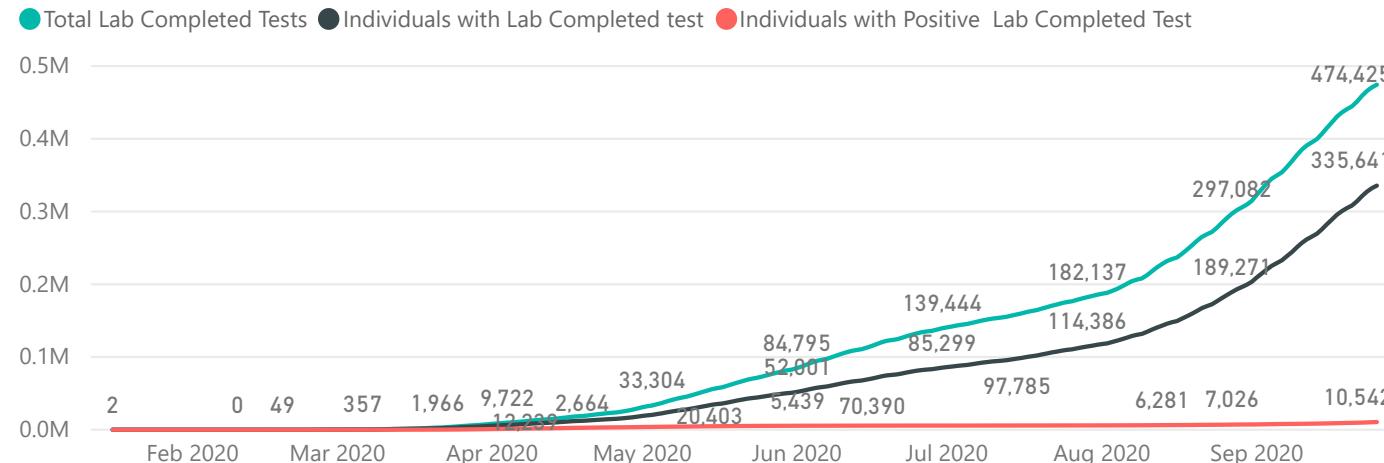




## COVID-19 Testing Details

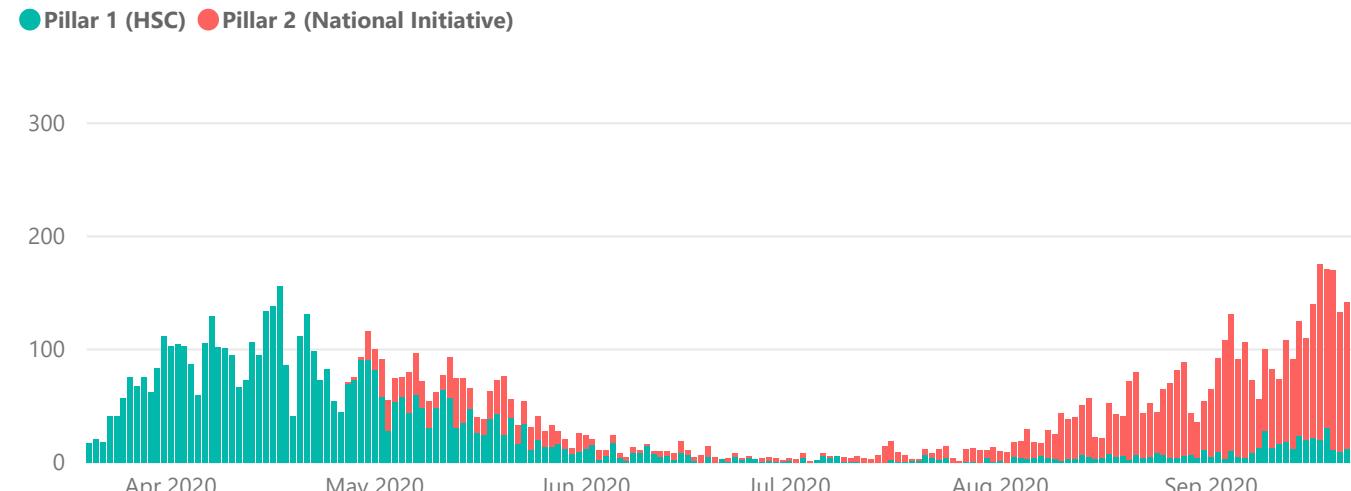
Information below shows (i) the total number of lab completed tests, (ii) individuals with a lab completed test, and (iii) individuals with a positive lab completed test for [both HSC & National Initiative](#).

### **Cumulative Total of Laboratory Completed Tests by Date of Laboratory Test (Pillar 1 & 2)**



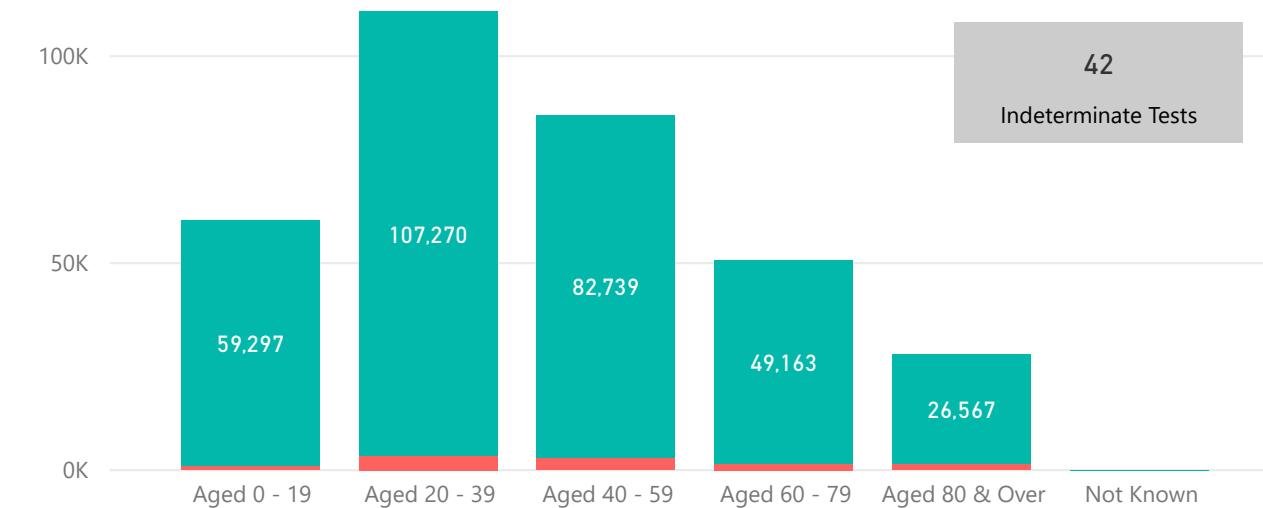
Information below refers to individuals with a positive lab completed test in **both HSC & National Initiative** and is presented below by the date the specimen (sample / swab) had been taken at a testing location, and not the date the laboratory test was completed.

**Individuals with Positive Laboratory Completed Test by Pillar and Date of Specimen**



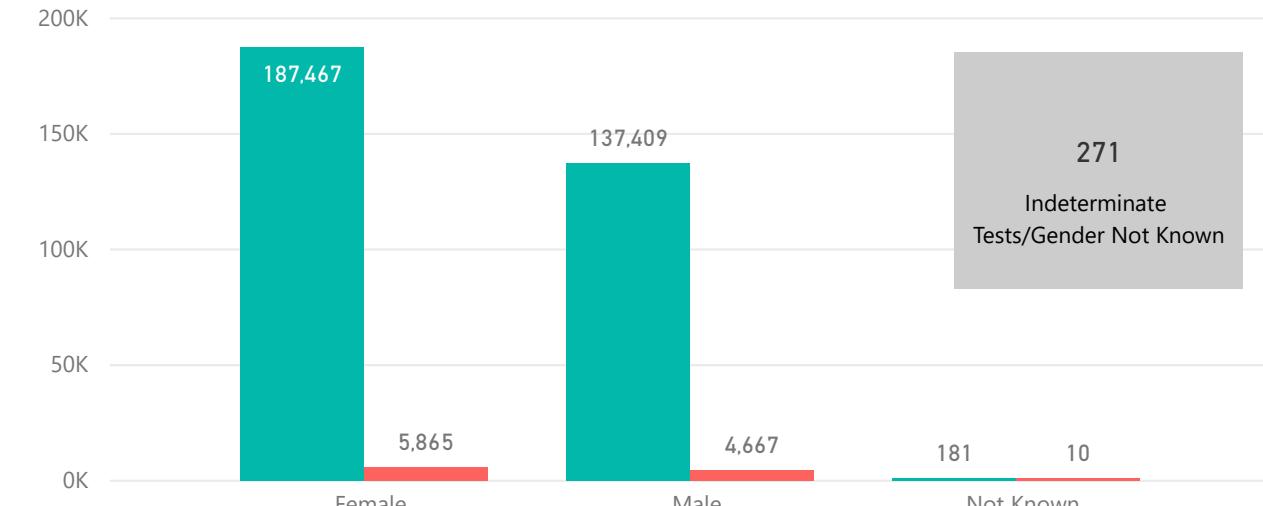
## **Age Group of Individuals with a Laboratory Completed Test (Pillar 1 & 2)**

● Individuals Tested Positive ● Individuals Tested Negative



## **Gender of Individuals with a Laboratory Completed Test (Pillar 1 & 2)**

● Individuals Tested Negative ● Individuals Tested Positive



# COVID-19 Testing in Last 7 Days

COVID-19 Testing Details Updated at midnight on 25 September 2020


 Information below refers to the number of individuals with a positive laboratory completed test during the **last 7 days** (19 Sept - 25 Sept 2020) compared with the **previous 7 days** (12 Sept - 18 Sept 2020).

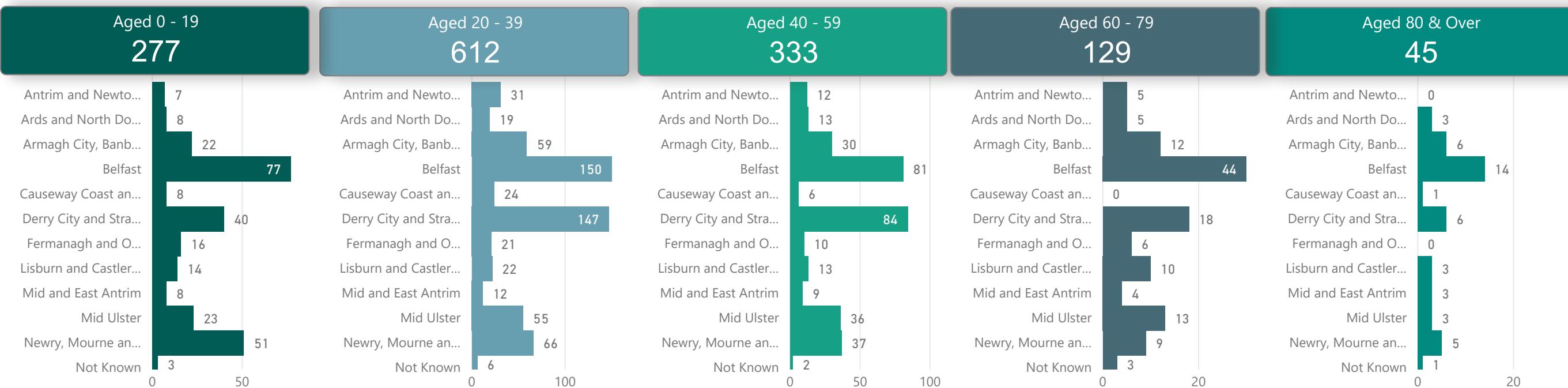
## Laboratory Completed Tests during Last 7 Days (19 - 25 September 2020) by LGD

Local Government District	+ve Cases Last 7 Days	Last 7 Day Rate per 100K	Individuals Tested Last 7 Days
Antrim and Newtownabbey	55	38.6	2,427
Ards and North Down	48	29.8	2,211
Armagh City, Banbridge and Cra... i...	129	60.4	3,758
Belfast	366	107.3	6,625
Causeway Coast and Glens	39	27.0	1,650
Derry City and Strabane	295	195.8	4,170
Fermanagh and Omagh	53	45.4	2,283
Lisburn and Castlereagh	62	42.7	2,394
Mid and East Antrim	36	26.0	1,568
Mid Ulster	130	88.1	2,506
Newry, Mourne and Down	168	93.2	4,665
Not Known	15		822
<b>Total</b>	<b>1,396</b>	<b>74.2</b>	<b>35,079</b>

## Laboratory Completed Tests during Previous 7 Days (12 - 18 September 2020) by LGD

Local Government District	+ve Cases Previous 7 Days	Previous 7 Day Rate per 100K	Individ. Tested in Previous 7 Days
Antrim and Newtownabbey	60	42.1	2,835
Ards and North Down	77	47.9	3,333
Armagh City, Banbridge and Cra... i...	145	67.9	4,297
Belfast	241	70.6	8,172
Causeway Coast and Glens	12	8.3	2,048
Derry City and Strabane	88	58.4	3,372
Fermanagh and Omagh	31	26.5	2,091
Lisburn and Castlereagh	72	49.6	3,126
Mid and East Antrim	58	41.8	2,511
Mid Ulster	26	17.6	2,382
Newry, Mourne and Down	95	52.7	3,848
Not Known	15		722
<b>Total</b>	<b>920</b>	<b>48.9</b>	<b>38,737</b>

## Positive Laboratory Completed Tests during the last 7 days (19 September - 25 September 2020) by LGD

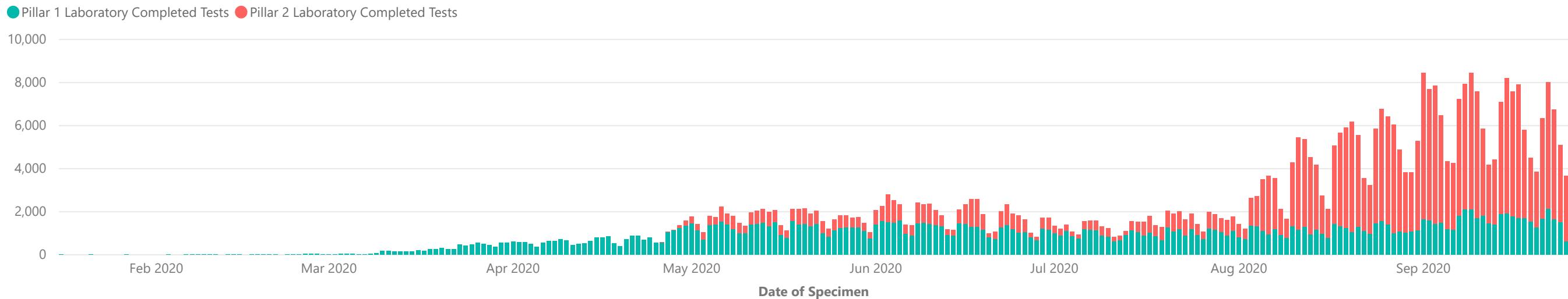




# COVID-19 Testing Trend Analysis

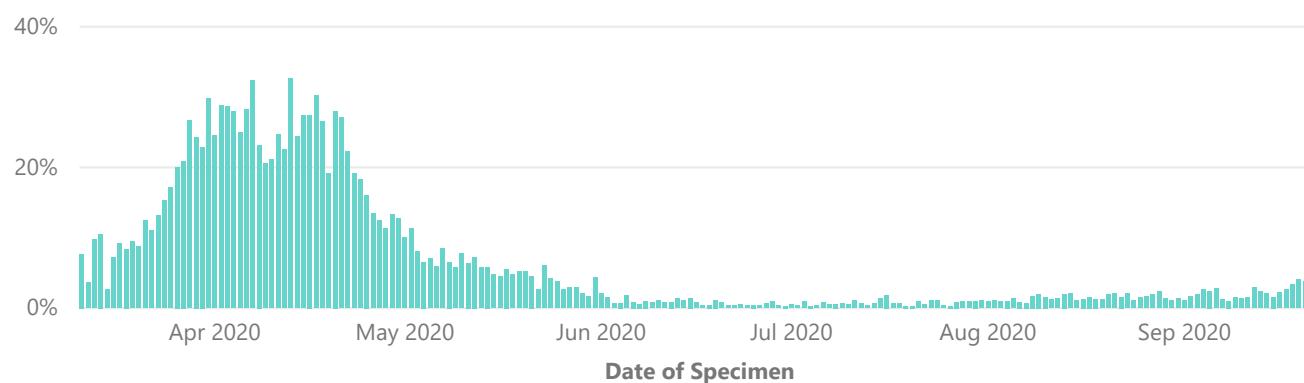
Information below refers to the number of laboratory completed tests (**Both HSC & National Initiative**) by the date on which the specimen (sample / swab) had been taken at a testing location, and not the date the laboratory test was completed. Whilst this gives the most accurate analysis of how cases progress over time it does mean that the latest days' figures are usually incomplete, so it shouldn't be seen as a sudden large drop in cases.

## Laboratory Completed Tests by Date of Specimen (Pillar 1 & 2)



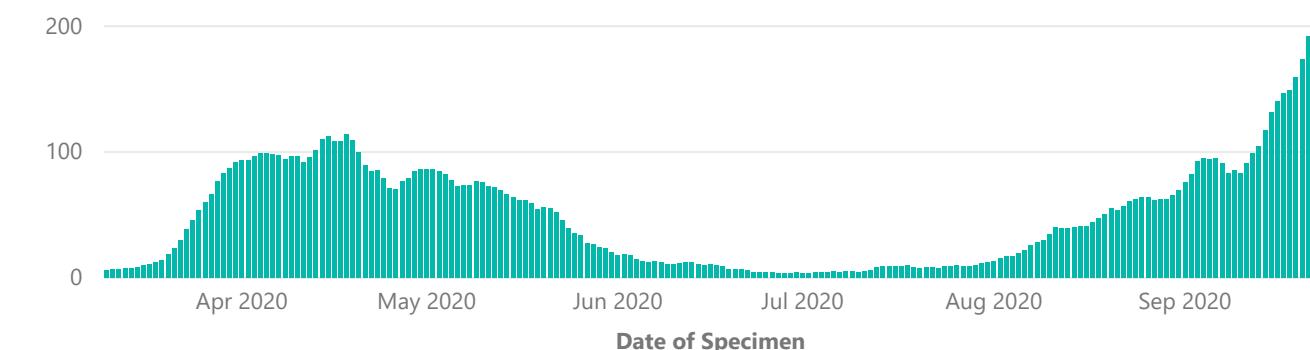
Information below shows the percentage of laboratory completed tests (**Both HSC & National Initiative**) which were identified as positive by the date the specimen (sample / swab) was taken at a testing location.

## Proportion of Laboratory Completed Tests Identified as Positive by Date of Specimen (Pillar 1 & 2)



Information is presented below on the 7-day rolling average of individuals with a positive laboratory completed test (**Both HSC & National Initiative**), by the date specimen (sample / swab) was taken at a testing location.

## 7 Day Rolling Average (mean) of Individuals with Positive Laboratory Completed Tests by Date of Specimen (Pillar 1 & 2)



**NOTE:** Data is not yet available for the National Initiative between 4th - 28th April 2020 and this has resulted in a slight dip in the charts above between 19th - 29th April 2020.



## Breakdown of Deaths During Current Reporting Period

**578**

COVID-19 Deaths reported up to 10:00am on 26 Sept 2020

**577**

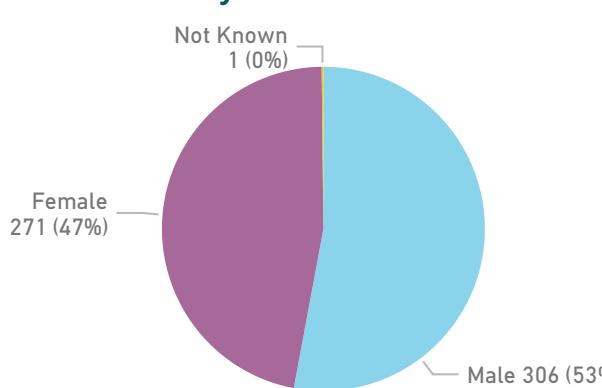
COVID-19 Deaths previously reported up to 10:00am on 25 Sept 2020

**1**

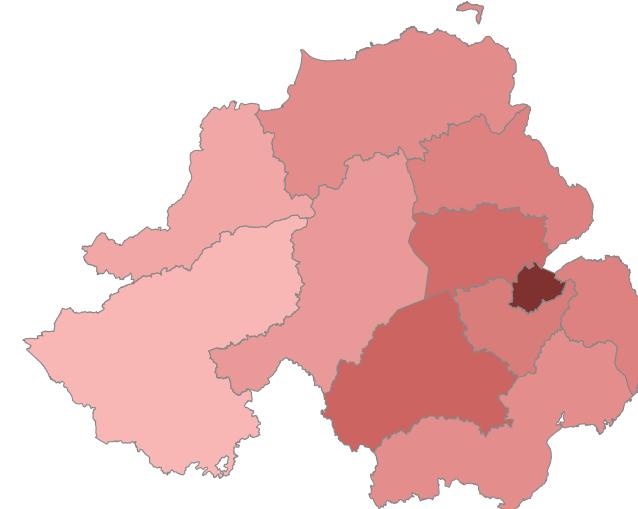
Deaths reported and occurring within current reporting period

**0**

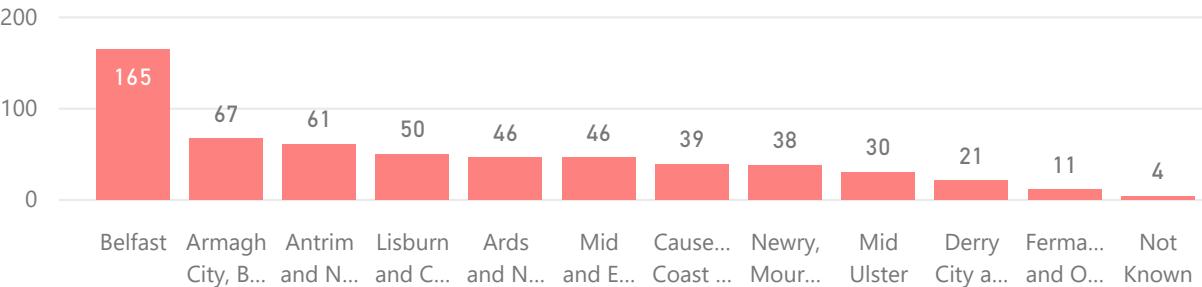
## COVID-19 Deaths by Gender



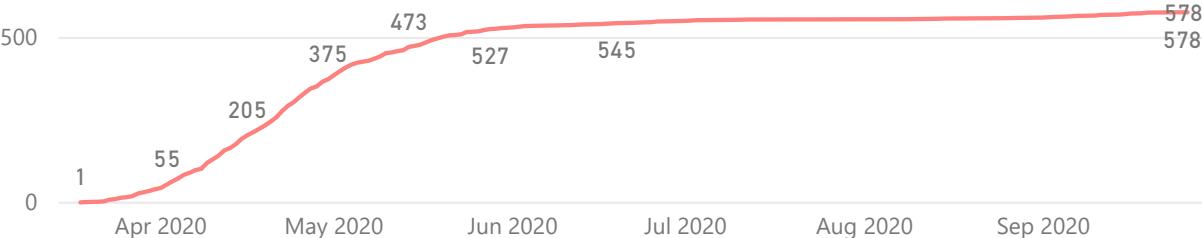
## COVID-19 Deaths by Local Government District



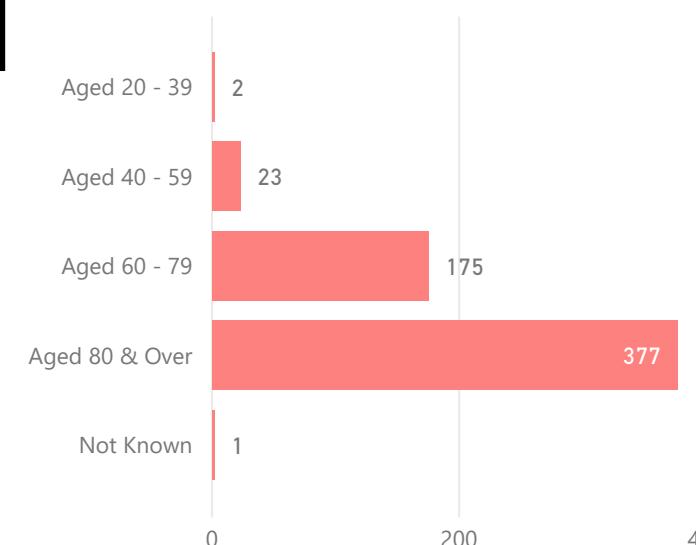
## COVID-19 Deaths by Local Government District



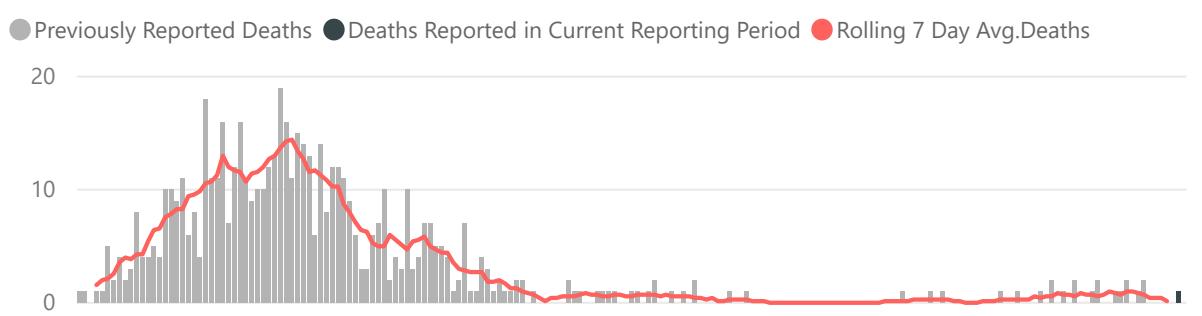
## Cumulative COVID-19 Deaths by Date of Death



## COVID-19 Deaths by Age Group



## Previously Reported Deaths and Deaths in Current Reporting Period by Date of Death

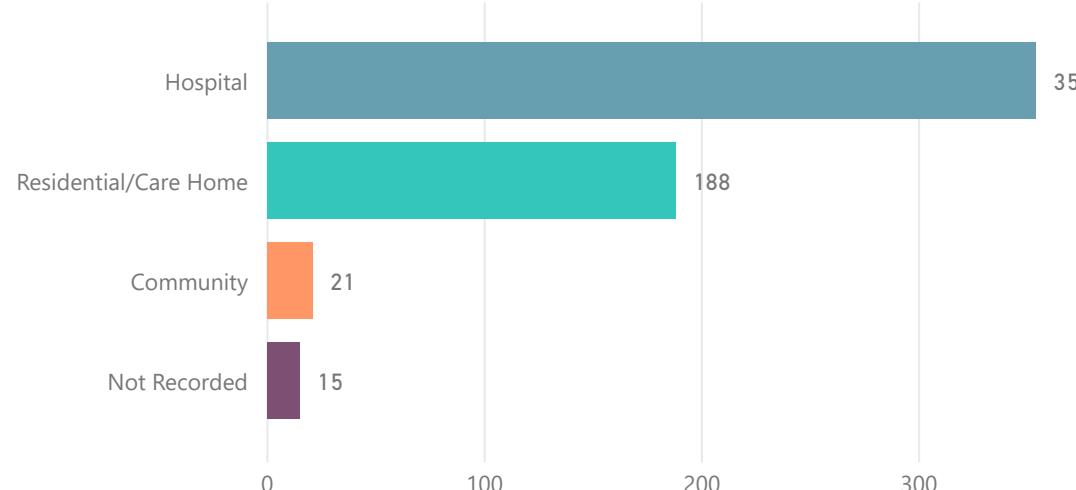


**Note 1:** Deaths in current reporting period include deaths which will have occurred in that period, along with deaths which have only been reported within that period. For example, A death may occur on Thursday 30th April but not be reported until Saturday 2nd May

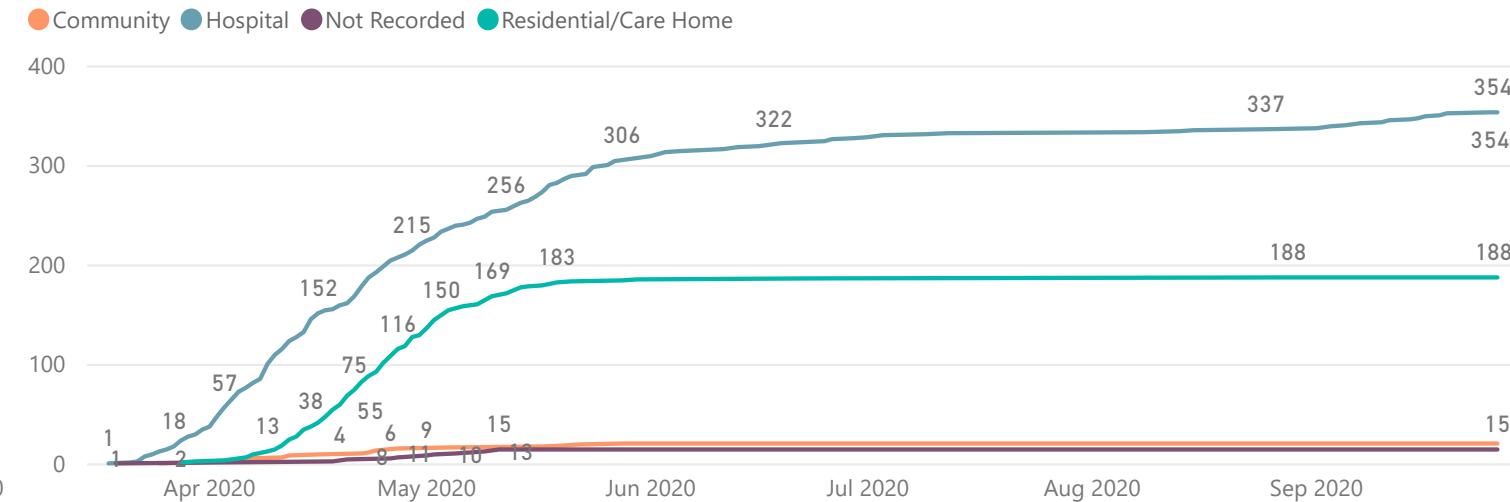
**Note 2:** Current Reporting Period = 10:00 on 25 September 2020 - 10:00 on 26 September 2020



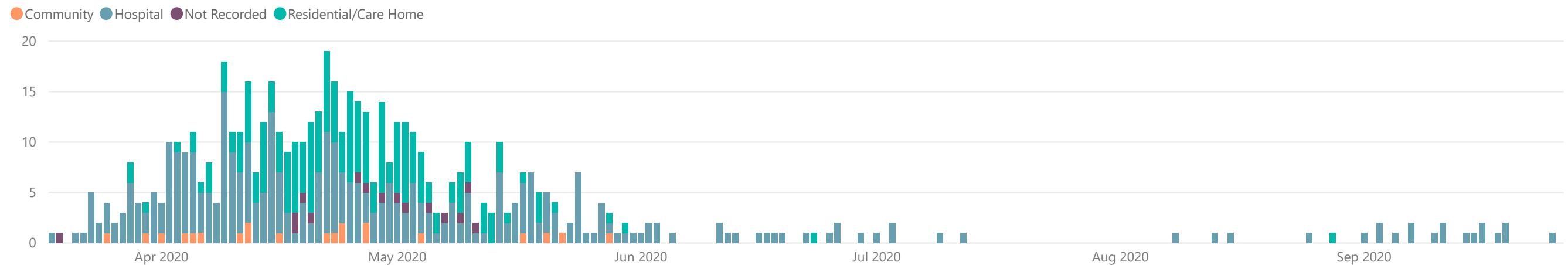
## COVID-19 Deaths by Setting



## Cumulative COVID-19 Deaths by Date of Death and Setting



## COVID-19 Daily Deaths by Date of Death and Setting



**Note:** The Community setting includes deaths recorded as occurring in Community, Hospice and Other settings. Information displayed reflects deaths reported to the PHA up to the end of the current reporting period, and includes individuals who have had a positive test for COVID-19 and died within 28 days, whether or not COVID-19 was the cause of death. A broader picture on COVID-19 fatalities is provided in the weekly NISRA bulletin which details deaths across hospital and community settings. NISRA figures are derived from the formal process of death registration and may include cases where the doctor completing the death certificate diagnosed suspected cases of COVID-19.



## Confirmed COVID-19 Admissions

NOTE: Hospital Admissions include only confirmed COVID-19

**1,727**  
Admissions

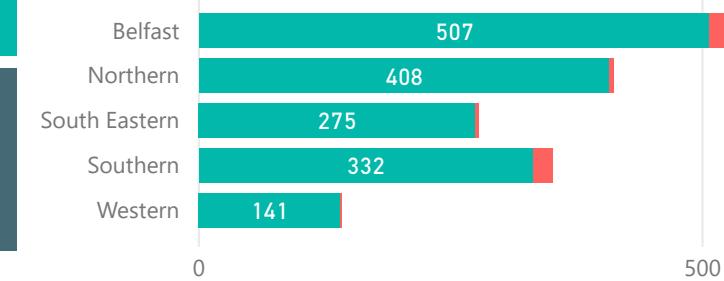
**46**  
Inpatients

**1,663**  
Discharged

**19**  
Hospitals

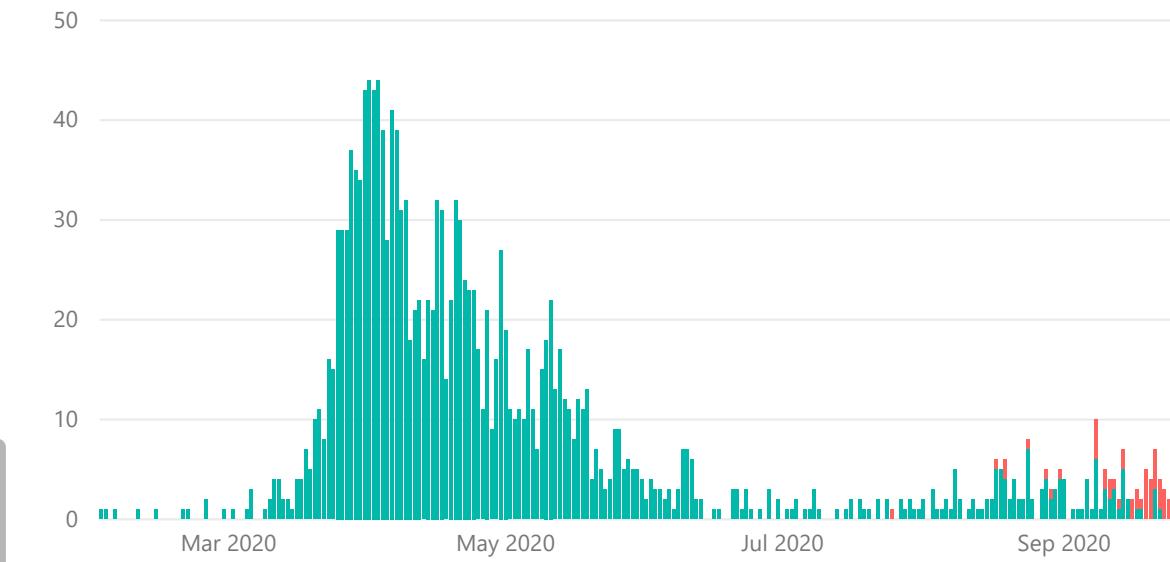
### COVID-19 Admissions by Trust & Patient Status

Admission Status • discharge • inpatient



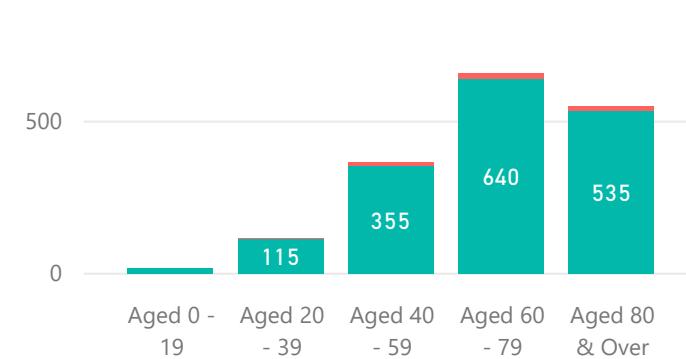
### COVID-19 Admissions by Admission Date & Patient Status

Admission Status • discharge • inpatient



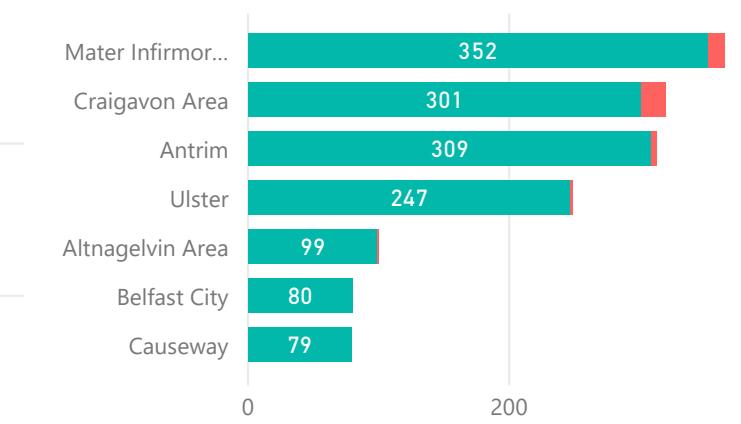
### COVID-19 Admissions by Age Group & Patient Status

Admission St... • discharge • inpatient



### COVID-19 Admissions by Hospital & Patient Status

Admission Status • discharge • inpatient



### COVID-19 Admissions, Discharges & Inpatients at Midnight for the Last 7 Days

Date	Admissions	Discharged	Inpatients
18 September 2020	1,701	1,645	40
19 September 2020	1,706	1,648	41
20 September 2020	1,710	1,648	45
21 September 2020	1,717	1,652	48
22 September 2020	1,722	1,654	51
23 September 2020	1,725	1,659	49
24 September 2020	1,727	1,663	46

Note 1: Discharges include: discharge under medical grounds, self-discharge or death

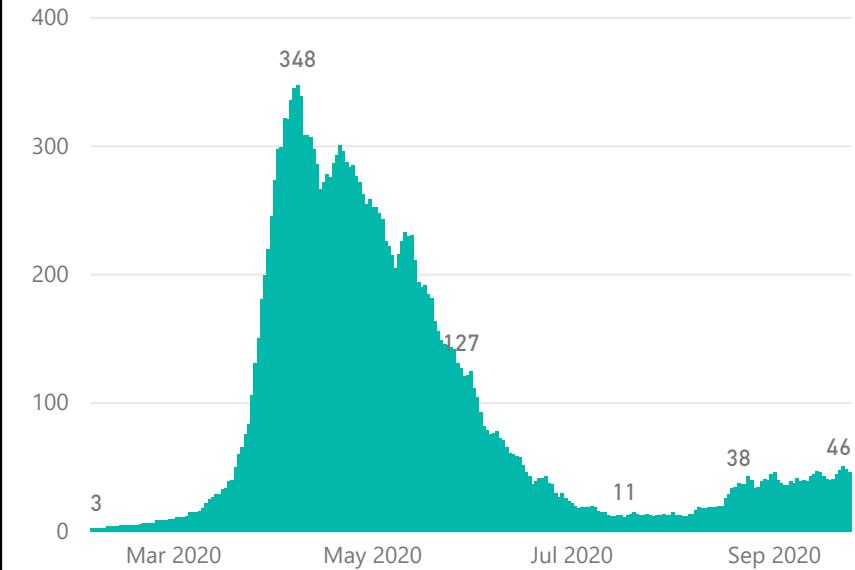
Note 2: Admissions data is sourced from a live administrative system which is continually being amended and updated, as such previous days' admission data may be revised.

HSC Trust	Admissions in Last 7 Days	Discharges in Last 7 Days	Admissions in Last 14 Days	Discharges in Last 14 Days
Belfast	17	11	25	21
Northern	2	3	6	5
South Eastern	2	0	3	1
Southern	6	7	16	17
Western	1	0	2	1
<b>Total</b>	<b>28</b>	<b>21</b>	<b>52</b>	<b>45</b>

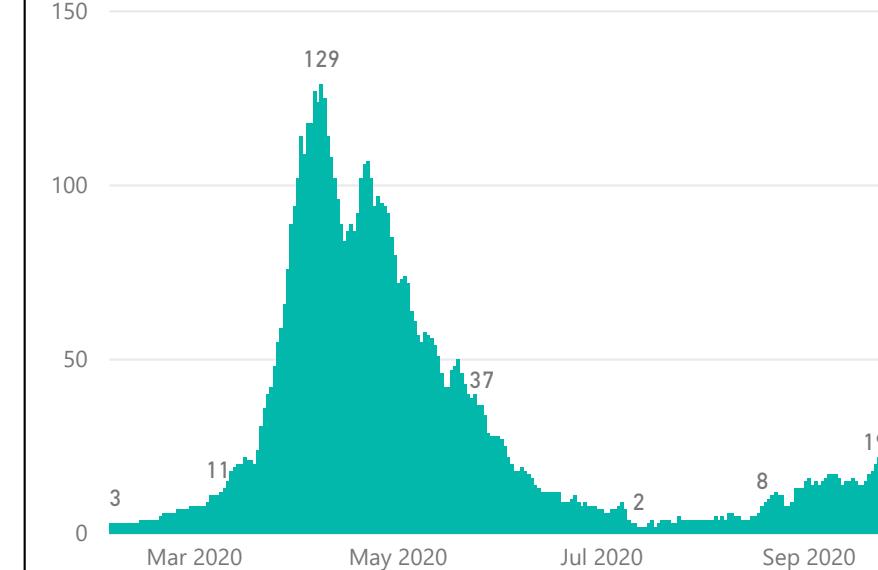


## Confirmed COVID-19 Inpatients by HSC Trust

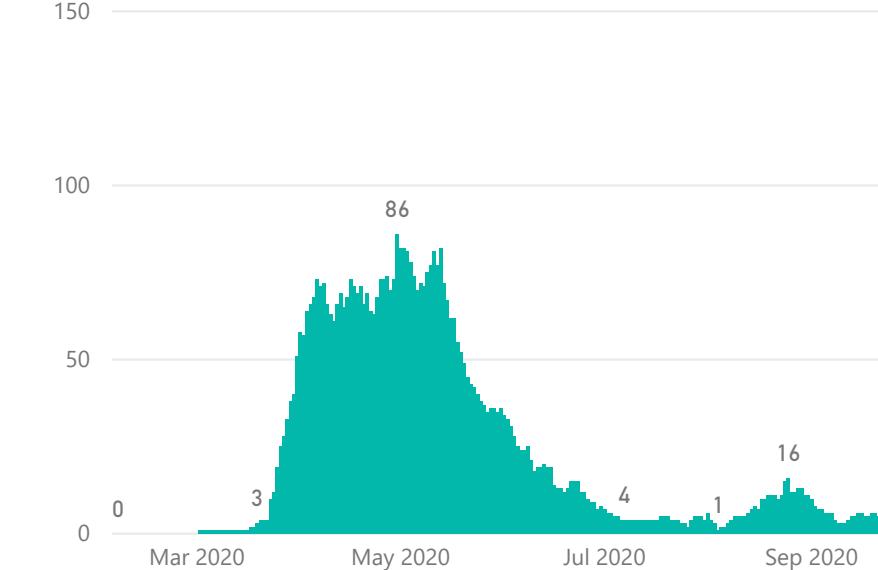
**Confirmed COVID-19 patients (All Trusts)**



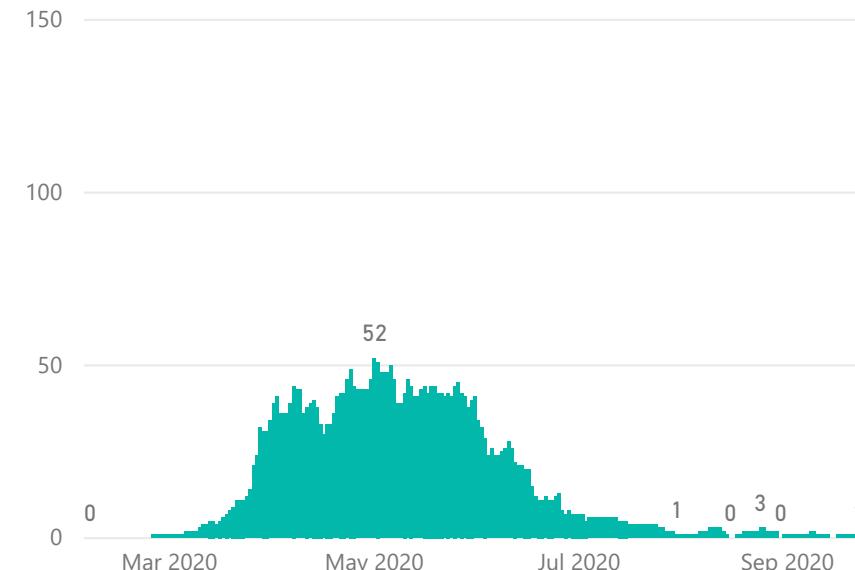
**Confirmed COVID-19 patients (Belfast Trust)**



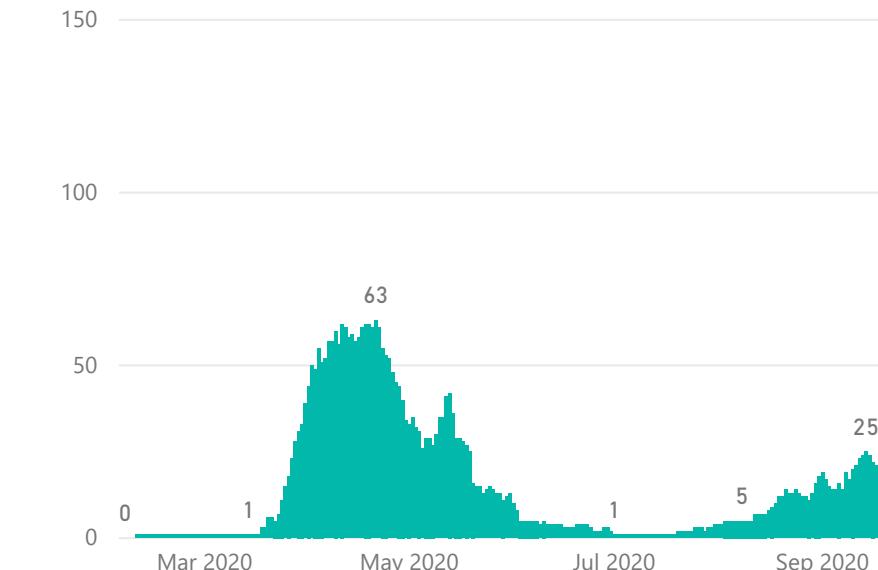
**Confirmed COVID-19 patients (Northern Trust)**



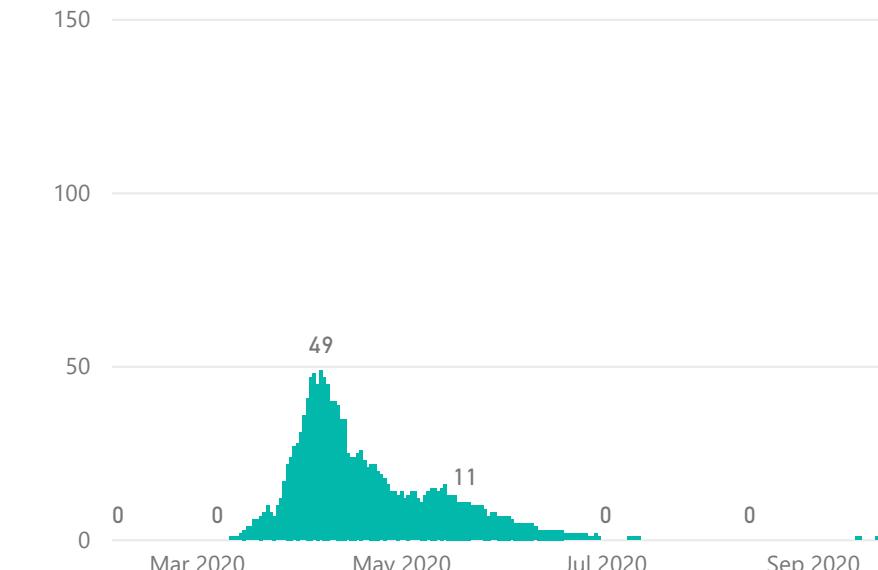
**Confirmed COVID-19 patients (South Eastern Trust)**



**Confirmed COVID-19 patients (Southern Trust)**



**Confirmed COVID-19 patients (Western Trust)**

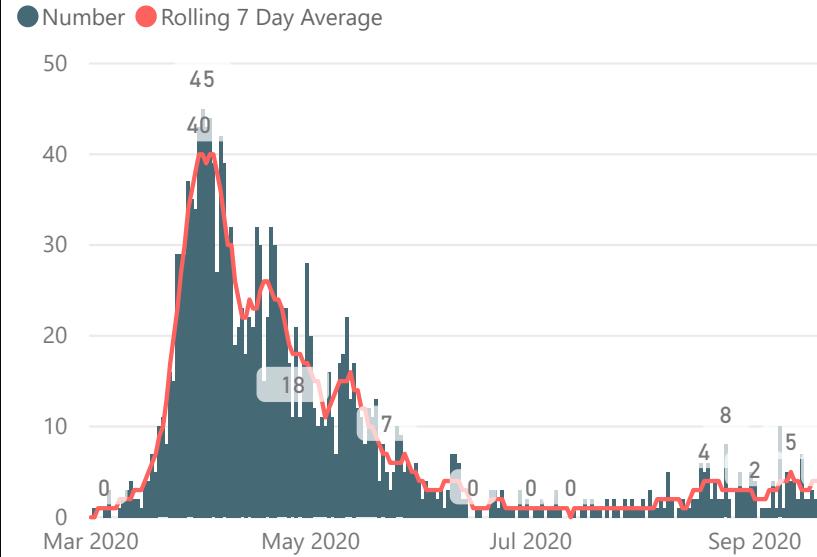




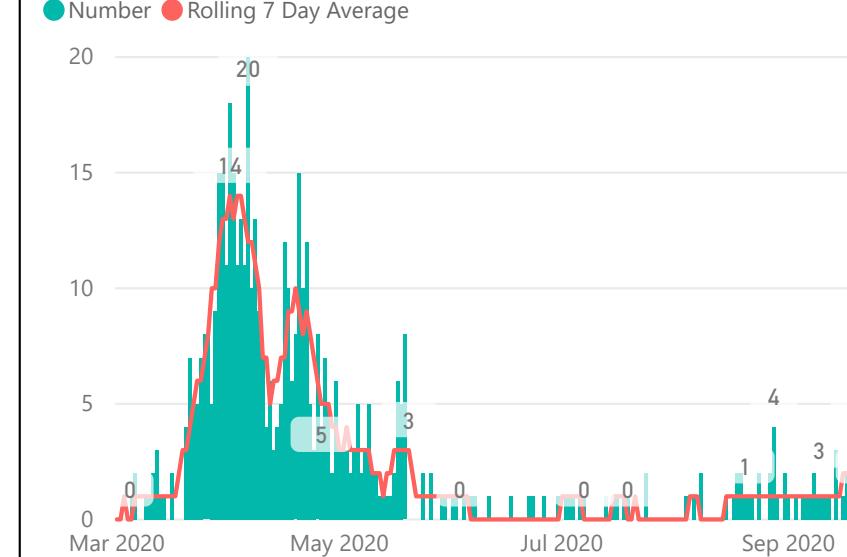
# Confirmed COVID-19 Daily Admissions by HSC Trust

Breakdown of daily admissions with confirmed COVID-19

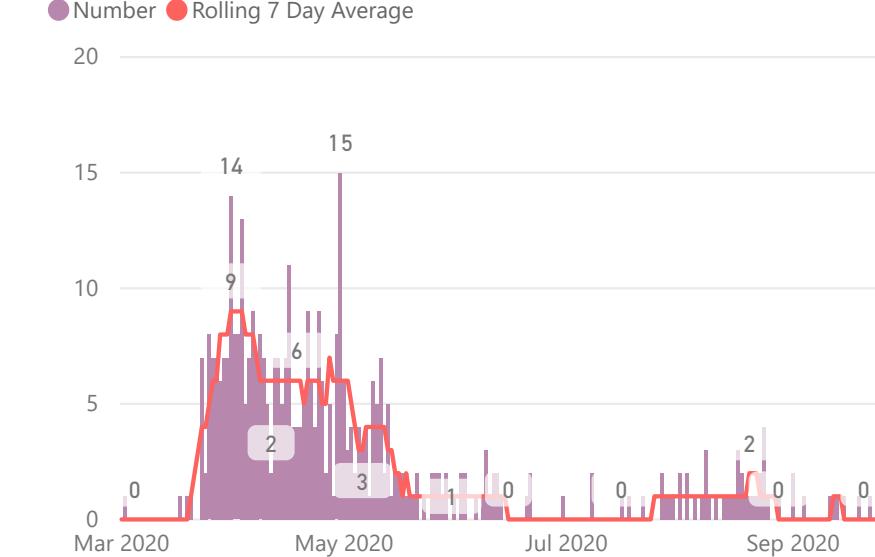
**Confirmed COVID-19 daily admissions (All Trusts)**



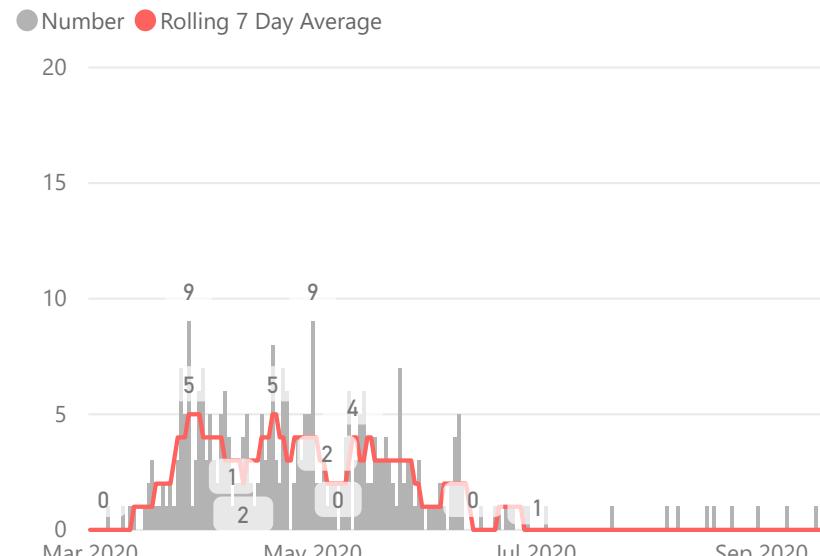
**Confirmed COVID-19 daily admissions (Belfast Trust)**



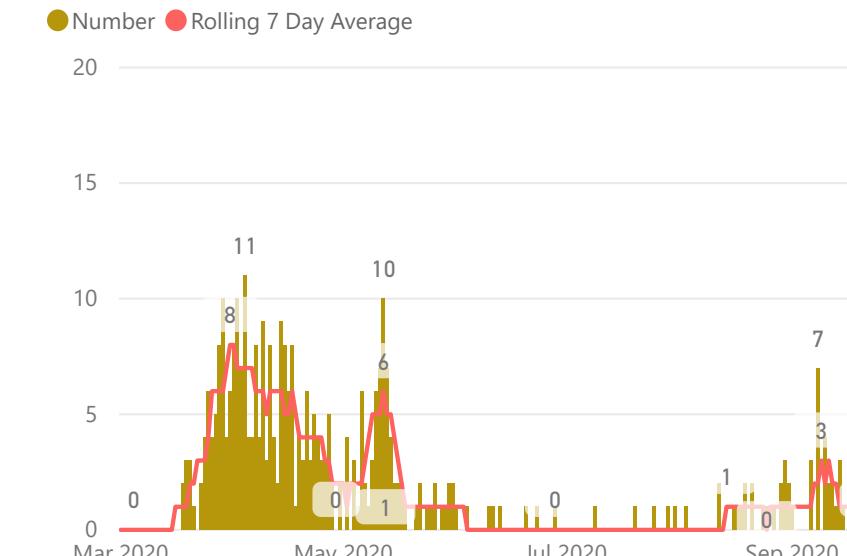
**Confirmed COVID-19 daily admissions (Northern Trust)**



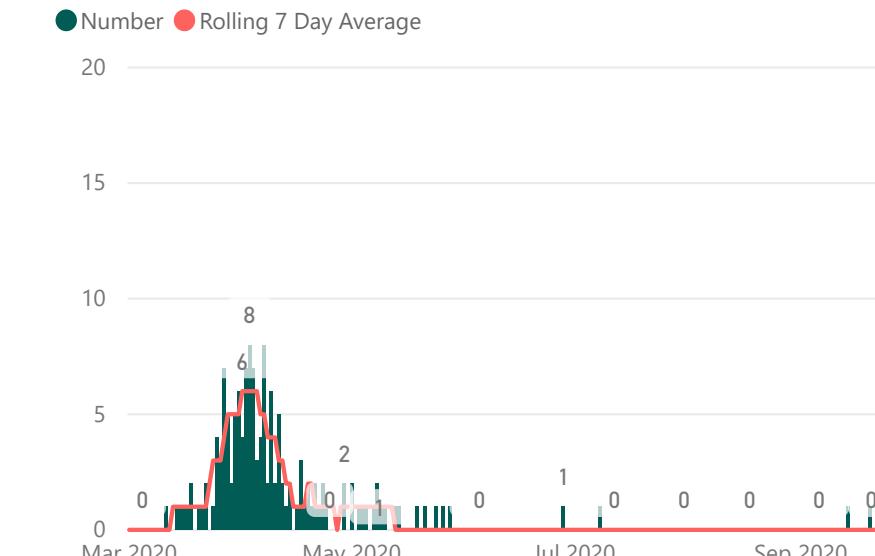
**Confirmed COVID-19 daily admissions (South Eastern Trust)**



**Confirmed COVID-19 daily admissions (Southern Trust)**



**Confirmed COVID-19 daily admissions (Western Trust)**



# ICU Bed Occupancy

**95**

Total ICU Beds

**5**

ICU Covid Occupied

**75**

Other ICU Occupied

**15**

Unoccupied Beds

**46**

Total Ventilated Patients

**5**

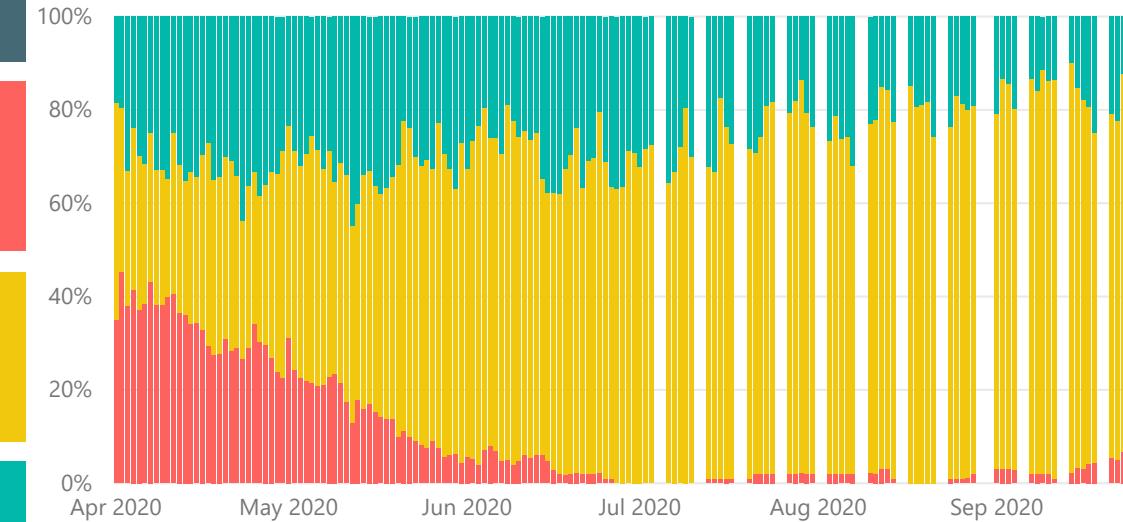
Covid-19 Ventilated

**41**

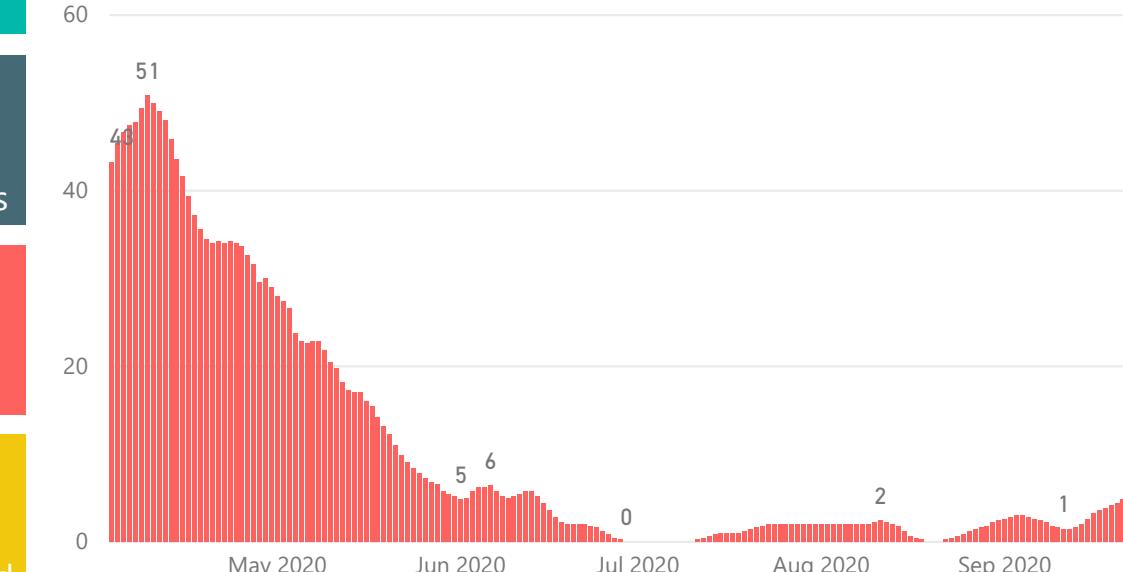
Non Covid-19 Ventilated

## % of ICU Beds Covid-19 Occupied, Other Occupied and Unoccupied

● Covid-19 ICU Occupied ● Other ICU Occupied ● ICU Unoccupied

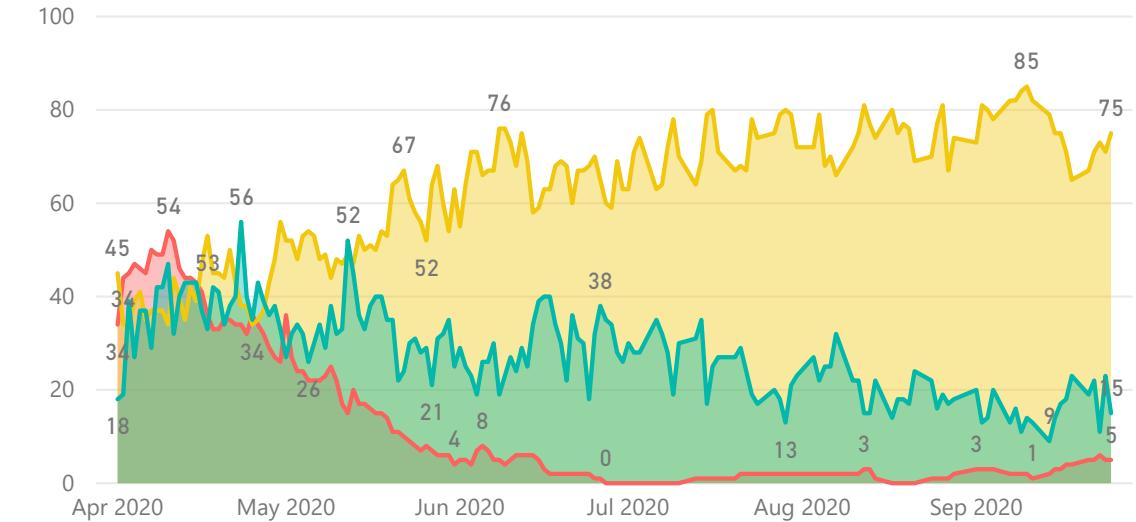


## Covid-19 ICU Bed Occupancy : 5 Day Rolling Average



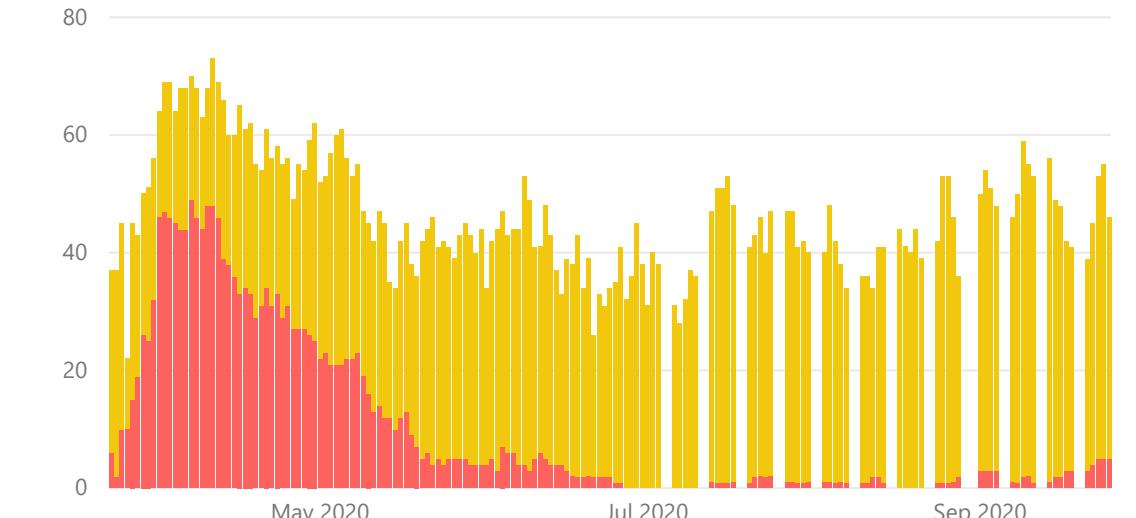
## Number of ICU Beds Covid-19 Occupied, Other Occupied and Unoccupied

● Covid-19 ICU Occupied ● Other ICU Occupied ● ICU Unoccupied



## Covid-19 Ventilated Patients and Other Ventilated Patients

● Covid-19 Ventilated Patients ● Other Ventilated Patients





# General Beds Occupancy

**3,672**

Beds Available

**85%**

% Beds Occupied

**3,134**

Total Occupied Beds

**44**

Covid-19 Occupied Beds

**3,090**

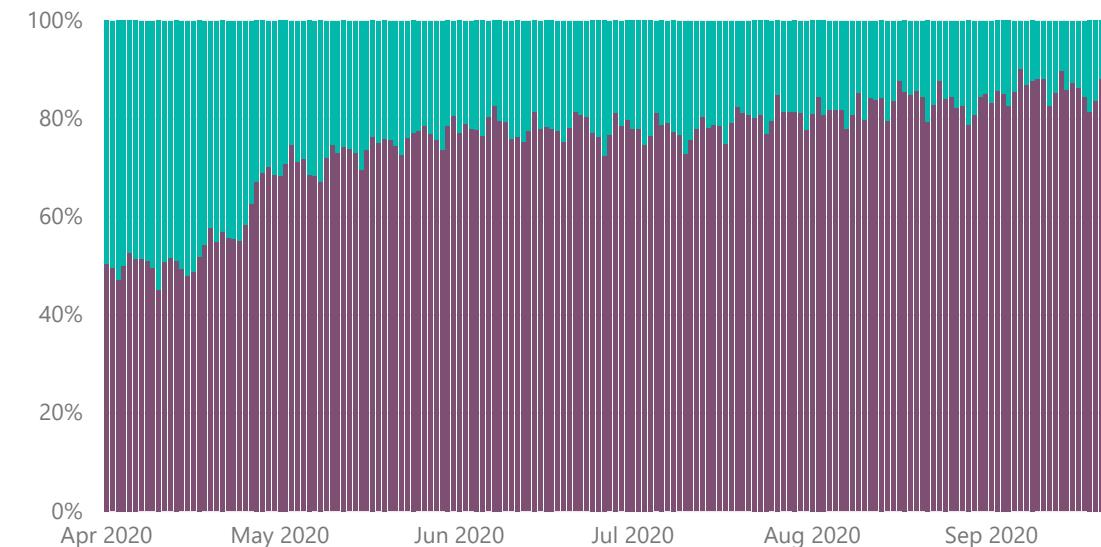
Other Occupied Beds

**538**

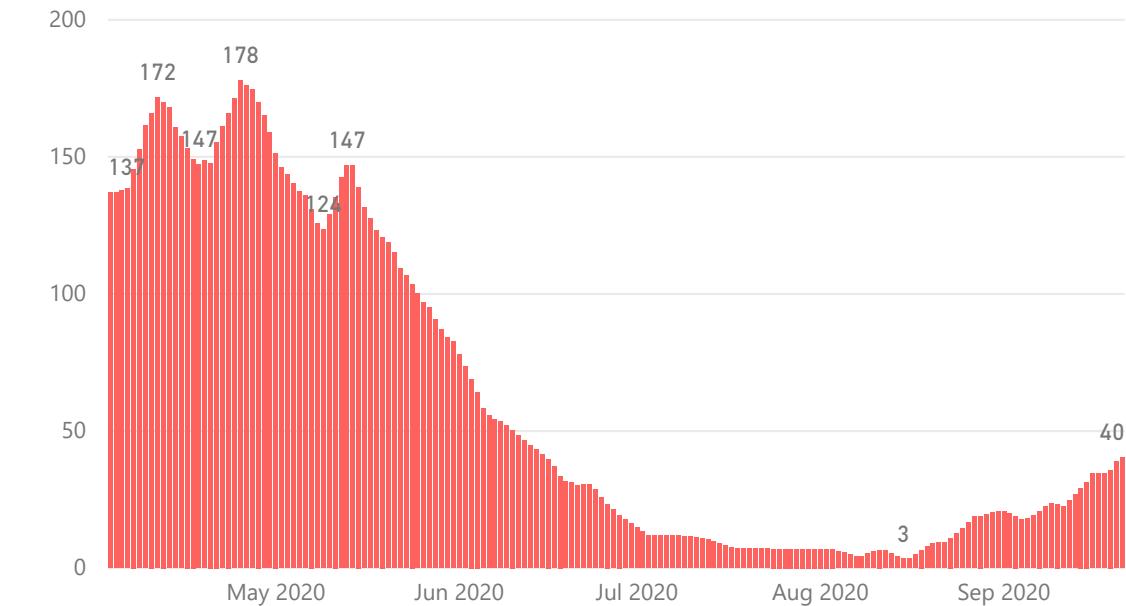
Unoccupied Beds

## General Bed Occupancy - % Occupied and Unoccupied

● Total Occupied Beds ● Unoccupied Beds

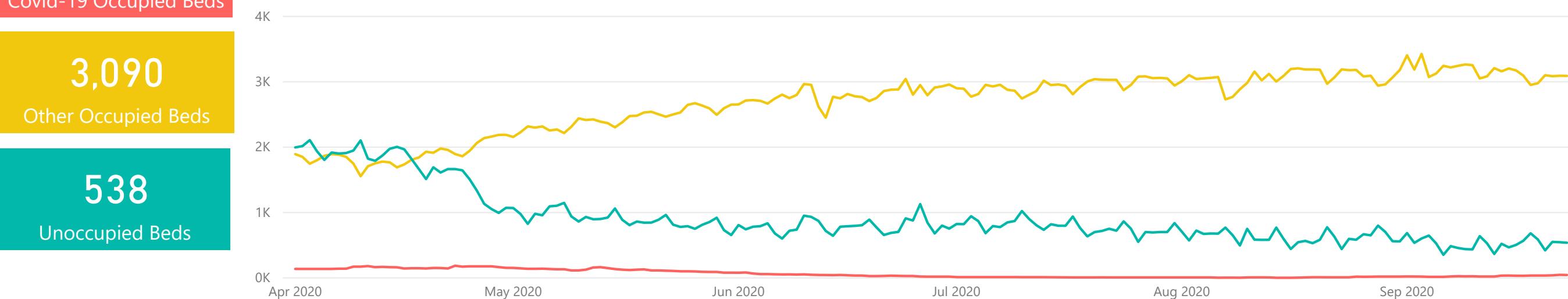


## Covid-19 General Bed Occupancy : 5 Day Rolling Average by Date



## General Bed Occupancy - Covid-19 Occupied, Non Covid-19 Occupied and Unoccupied Beds

● Covid-19 Occupied Beds ● Other Occupied Beds ● Unoccupied Beds





# COVID-19 Care Home Outbreaks

**240**

Total Acute Respiratory Outbreaks

**27**

Confirmed COVID-19

**12**

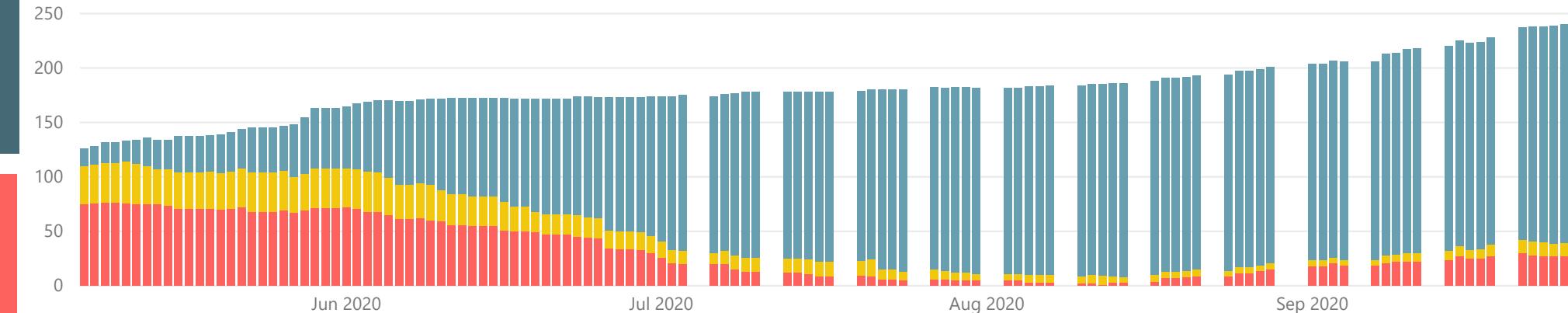
Suspected COVID-19

**201**

Closed COVID-19 Outbreaks

## Confirmed COVID-19, Suspected COVID-19 and Closed COVID-19 Outbreaks by Reporting Date

● Confirmed COVID-19 ● Suspected COVID-19 ● Closed COVID-19 Outbreaks



## Key Definitions

### Suspected case of COVID-19\*

Any resident (or staff) with symptoms of COVID-19 (high temperature or new continuous cough), or new onset of influenza like illness or worsening shortness of breath.

\*Symptoms may be more nuanced in older people with co-morbidities in care homes who may present with Flu Like Illness (FLI), respiratory illness, new onset confusion, reduced alertness, reduced mobility, or diarrhoea and sometimes do not develop fever. This may be true for COVID-19, so such changes should alert staff to the possibility of new COVID infection

### Confirmed case of COVID-19

Any resident (or staff) with laboratory confirmed diagnosis of COVID-19.

### Outbreak definition

Two or more cases in a facility which meet the case definition of a possible or confirmed case of COVID-19, within a 14-day period among either residents or staff in the care home **Note:** In a situation where a care home is reporting one possible case, the duty room in PHA will arrange for a swab to be undertaken for the symptomatic patient. If the test results for the single case is positive or any additional cases are reported during the monitoring period than further testing is advised for all staff and residents in line with the new guidance for testing.

### Declaring the End of an Outbreak/outbreak closed

An outbreak can be declared over when there are no new cases for 14 days after symptom onset of most recent case.



## COVID-19 Doubling Case Rate

The chart below presents the cumulative number of confirmed cases of coronavirus (COVID-19) after the 100th case. The 100th case for all countries are aligned by calculating the first time the cumulative number of positive cases was greater than or equal to 100 and rounding down to exactly 100. Data is not available for China before their 500th case. Confirmed cases in Northern Ireland refers to individuals with a positive lab completed test.





# COVID-19 Death Doubling Rate

The chart below presents the cumulative number of deaths after the 10th death, where the deceased has had a positive test for COVID-19 and died within 28 days, whether or not COVID-19 was the cause of death. The 10th death for all countries are aligned by calculating the first time the number of deaths was greater than or equal to 10 and rounding down to exactly 10.





## COVID-19 Doubling Case Rate (last 5 days)

The table below compares doubling times of **confirmed cases** in the last five days with the doubling time in the five days before; as well as the number of confirmed cases in the last five days with the number of confirmed cases in the five days before that. The 'change' column compares whether cases doubled **faster** or **slower** or remained about the same; or if countries reported **more** or **less** or about the same number of cases.

The number of confirmed cases in Northern Ireland is doubling at a **faster rate** (37.9 days) over the last 5 days compared with the doubling rate in the 5 days before that (40.0 days). Confirmed cases in Northern Ireland refers to individuals with a positive lab completed test.

Country	Doubling Time (in Days)			Confirmed Cases		
	Last 5 Days	5 Days Before That	Change	Last 5 Days	5 Days Before That	Change
Northern Ireland	37.9	40.0	⬇ -2	893	775	↑ 118
Ireland	79.2	82.0	⬇ -2.8	1,456	1,346	↑ 110
United Kingdom	54.0	68.8	⬇ -14.8	26,044	19,290	↑ 6,754
Italy	134.3	129.9	↑ 4.4	7,754	7,808	⬇ -54
China	6878.8	3838.7	↑ 3040.1	43	77	⬇ -34
Japan	150.9	97.5	↑ 53.4	1,828	2,748	⬇ -920
United States	113.7	107.6	↑ 6.1	209,539	214,467	⬇ -4,928
Germany	114.1	95.7	↑ 18.4	8,414	9,710	⬇ -1,296
France	25.3	37.1	⬇ -11.8	68,675	41,744	↑ 26,931
Spain	36.3	46.1	⬇ -9.8	64,169	46,310	↑ 17,859
South Korea	167.6	134.6	↑ 33	480	584	⬇ -104

Source: Information & Analysis Directorate | Department of Health | Johns Hopkins CSSE

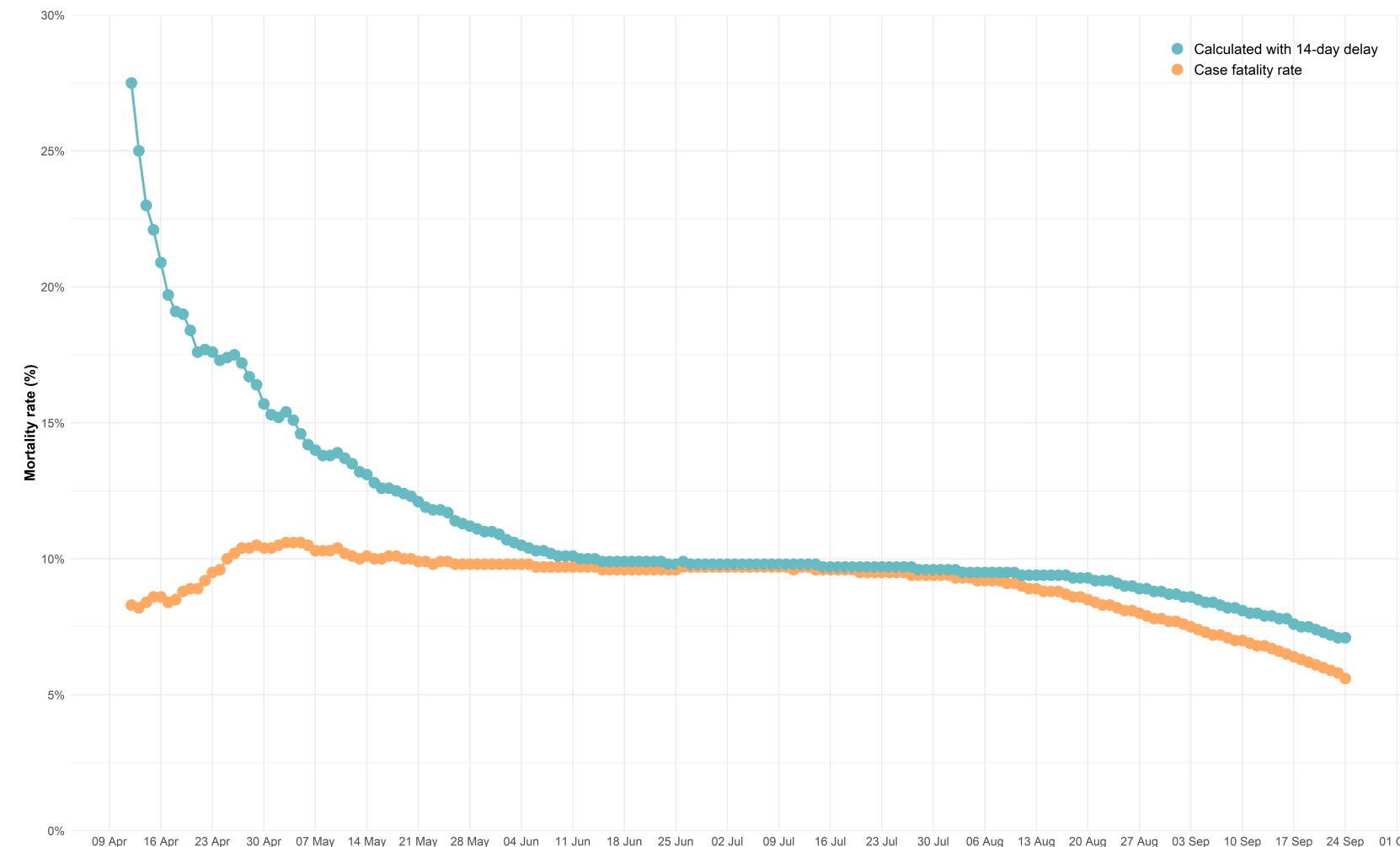
Data updated: <sup>1</sup> Friday 25 September 2020

Please note: <sup>a</sup> United Kingdom data includes Northern Ireland



## 14 Day Mortality Lag

Case fatality rates (CFR) are based on the number of deaths divided by the number of confirmed cases, however, this isn't representative of the actual death rate, as patients who die on any particular day were infected much earlier. In other words, current deaths belong to the same group of patients that were infected sometime in the past. The maximum incubation period for COVID-19 is assumed to be up to 14 days, therefore the chart below recalculates mortality by dividing the number of cumulative deaths at a specific date by the number of confirmed COVID-19 cases 14 days before.



# TECHNICAL GUIDANCE ON LABORATORY TESTS



COVID-19 cases are identified by taking specimens from people at testing centres across Northern Ireland and sending these specimens to laboratories to be tested. If the test is positive, this is a referred to as a Laboratory Completed Test. The information reported by DoH from 24th June 2020 refers to the number of laboratory completed tests for the SARS-COV2 virus carried out at (i) HSC Laboratories (Pillar 1) and (ii) National Initiative (Pillar 2) at 9am each day.

Prior to 24th June 2020 information on laboratory completed tests was only reported for the 4 HSC Trust laboratories listed below.

- Regional Virus Laboratory (Belfast);
- Antrim Testing Laboratory (commenced 23/03/2020);
- Craigavon Area Testing Laboratory (commenced 28/03/2020); and,
- Altnagelvin Area Testing Laboratory (commenced 03/04/2020).

Prior to testing commencing at Antrim, Craigavon Area and Altnagelvin, all laboratory completed tests for the SARS-COV2 virus in Northern Ireland were carried out by the Regional Virus Laboratory in Belfast.

## National Initiative

Alongside testing by HSC Trust laboratories, there is a programme of testing for the SARS-COV2 virus being carried out at National Testing Centres (mainly for Health Care / Key Workers) by appointment only. Information on laboratory completed tests for the National Initiative are available from 28th April 2020; although, we are waiting for additional data to be provided for the period 4th April - 28th April. Information refers to samples / specimens taken at regional testing centres (below), mobile testing units, and by patients in their own homes.

## DATA PROVISION

Data on laboratory completed tests completed and authorised by each HSC laboratory and the National Initiative are refreshed in the Regional Data Warehouse at 4am each day and refer to the position at the end of the previous working day. DoH extract this information at 9am each day..

## DATA QUALITY

Quality assurance of this data is undertaken by the DoH using a combination of automated and semi-automated programmes, with manual checking both before and post processing. Data from each source are merged and duplicate reports are generated to identify any duplicate test records based on 'Specimen Number' (RVL) or 'Ascension Number' for other laboratories. Duplicate tests are then removed from the data at this stage.

Data quality issues around completeness of Health Care Number, Date of Birth, and Postcode have limited our ability to identify both duplicate tests and individuals tested. However, this has improved over recent weeks and the information from the start of February 2020 is refreshed each day to take account of this.

It is also important to note that the information being reported by the DoH are derived from data extracts of LIVE Laboratory systems, and may therefore be revised or updated in subsequent data extracts. These revisions may improve issues around the completeness of the recording of the key variables above, but they may also provide information on additional tests for an individual that produced a positive laboratory

# TECHNICAL GUIDANCE ON COVID-19 DEATHS



Death extracts are provided daily to the DOH detailing the count of deaths reported to the PHA where the deceased has had a positive test for COVID-19 and died within 28 days, whether or not COVID-19 was the cause of death. PHA sources include reports by healthcare workers (e.g. HSC Trusts, GPs) and information from local laboratory reports. Local Government Districts are defined by the deceased's residential setting. Interpretation of the figures should take into account that totals by date of death, particularly for recent prior days, are likely to be updated in future releases.

## DATA QUALITY

Data is refreshed each day to include any deaths that have been reported during the current reporting period (from 10.00 am one day previous until 10.00 am on the day of reporting). Deaths submitted by HSC Trusts after 10.00am will be reported in the Daily COVID report for the following day. There may also be deaths reported to the PHA a number of days after the death occurred. Data will be refreshed and revisions to previous reported figures by date of death will be provided in the latest report.

## DATA REPORTED

Data is reported in the following ways:

- Total number of deaths reported up to the end of the current reporting period
- Total number of deaths reported in the current reporting period
- Total number of deaths reported up to the end of the current reporting period, split by Local Government District (LGD)
- Total number of deaths reported up to the end of the current reporting period, split by Gender
- Total number of deaths reported up to the end of the current reporting period, split by Age Group
- Daily updated counts of deaths reported split by date of death

# TECHNICAL GUIDANCE ON COVID-19 ADMISSIONS



The Patient Administrative System (PAS) is a patient level administrative data source that provides information on patient care delivered by health and social care hospitals in Northern Ireland. Data from PAS are routinely uploaded to the Regional Data Warehouse, which is managed by the Business Service Organisation (BSO).

## DATA QUALITY

A daily download is taken at 08:30 from the Admissions and Discharges universe of the Regional Data Warehouse reflecting admissions as of midnight prior to the download date. Patients admitted with confirmed COVID-19 are identified using the specific Method of Admission Code (CC) or Specialty Code (COVC). Method of Admission codes are only used for non-elective patients only.

Information is constantly being revised as records are updated by HSC Trusts and therefore figures for historical dates may change. When technical issues arise or errors in the data are discovered, the HSCB email to inform DOH.

## ADMISSIONS / DISCHARGES

A patient may be admitted more than once, for example:

- Admitted on two or more separate occasions
- Admitted to hospital A within one HSC Trust and later transferred and admitted to hospital B *in a different HSC Trust*. The admission to hospital B will be recorded as a new admission.

Consequently, patients may also be discharged more than once and these discharges will be included in the discharge total.

## INTERNAL TRANSFERS

If a patient confirmed COVID-19 is transferred between hospitals within the same HSC Trust they are admitted using the CC Method of Admission Code. The Method of Discharge is recorded as ID – Internal Discharge.

The Belfast Trust identifies confirmed COVID-19 patients by using the specialty code (COVC). Any internal transfers will be admitted using the IA Method of Admission Code.

Internal transfers are not counted as new admissions and only the first admission record will be counted for these patients.

## INPATIENTS / HOSPITALISATIONS

Number of people currently in hospital with confirmed COVID-19 at midnight, taking into account new admissions and subtracting deaths and discharges.

# TECHNICAL GUIDANCE ON BED CAPACITY



The Department sources data on Intensive Care Units from the CCANI network each day. CCANNI provide the data to the Department as excel spreadsheets, providing the ICU and ventilation position for each Intensive Care Unit as of the morning of reporting. The ICU capacity presented includes additional surge capacity available on the day of reporting. The spreadsheets includes for each Unit (including Paediatric and Cardiac ICU):

- the number of available ICU beds;
- the number of beds occupied by Covid-19 confirmed patients;
- the number of beds occupied by Covid-19 suspected patients; and
- the total number of beds occupied.

The Department sources data on General Beds Occupancy from the Health and Social Care Board (HSCB) each day. Trusts are required to submit information on the number of beds occupied, available and closed within each of their hospital sites to the HSCB at 10.30am each morning to reflect data from the previous day. Within this return, Trusts provide the total bed complement of the hospital site, the number of beds closed, the number occupied by confirmed Covid-19 patients, suspected covid-19 patients, the total number occupied and the number of beds still available.

## DATA QUALITY

Quality assurance of this data is undertaken by the DoH using a combination of automated and semi-automated programmes, with manual checking both before and post processing. When occupancy data is received into the Department, a member of staff checks that the figures presented in both files appear complete. Any discrepancies are raised with the data supplier to seek clarification or revision. Data files are then appended to relevant 'master' files which contain a record of previous returns. Sense checks are undertaken to ensure internal consistency and clarification is sought from the supplier if data looks missing or erroneous. Data for ICU is reported based on the date that the CCANNI network collated the information and data for general beds is based on the occupancy position on the day prior to reporting.

Given that the information is collated from teams in each Trust responsible for the management of ICU beds, it is believed to be an accurate reflection of ICU capacity on any given day. It presents a static picture at a point in time and is not revised retrospectively unless an error is discovered in the data or a change to the methodology used to produce the information is required. Any such changes will be alerted to users.

General beds occupancy is derived from a live Patient Administration System and is subject to revision as patient records are updated. Data provided by HSCB is re-run for three consecutive days for each day of reporting to capture any updates to the Patient Administration System, however the data presented within this Dashboard is based on the initial run date of the data and therefore doesn't include updates made to PAS on subsequent days.

Both data sources are considered to be management information and are therefore provisional and subject to revision.

## DATA REPORTING

Information provided by the CCANNI network and HSCB enables the Department to report on the number of patients occupying ICU and general beds each day, how many patients are ventilated, how many of these patients have suspected or confirmed Covid-19 and how many beds are still available across the region. Charts are presented to show the daily occupancy levels as well as 5 day rolling averages which help to smooth the variations in daily data. From Wednesday 24th June onwards all general and ICU beds data displayed on this dashboard refer to confirmed covid-19 patients only. Prior to 13th April 2020 ventilator

# DASHBOARD UPDATES



## DATE ANNOUNCED      CHANGE TO DASHBOARD

08 May 2020	From 8th May Admissions and Inpatient numbers will be broken down into confirmed and suspected COVID-19 cases.
11 May 2020	From 11th May additional charts on a rolling 5 day average occupancy rate in G&A / ICU Beds are now available.
13 May 2020	From 13th May, information on the rate of positive lab completed tests per 100,000 population has been included.
28 May 2020	From 28th May information on COVID-19 death settings and historical trend analysis of COVID-19 care home outbreaks have been added to the dashboard.
01 June 2020	From 1st June, additional pages have been added for COVID-19 testing trend analysis (7 day rolling average of positive tests & percentage of all tests identified as positive) and additional information on COVID-19 admissions. Ongoing validation of admissions data has resulted in revised figures being published from 1st June.
09 June 2020	From 10th June 2020 data on suspected COVID-19 patient admissions and inpatients will be removed from the dashboard and reporting will focus on confirmed cases only.
12 June 2020	From 15th June 2020, information will be presented on the numbers of ventilated COVID / Non-COVID patients. We will also include a breakdown of COVID / Non COVID general bed occupancy.
23 June 2020	From 25th June all beds and ventilation data will focus on confirmed COVID-19 cases only.
23 June 2020	From 26th June reporting will commence on the outcomes of laboratory completed tests at National Testing Centres.
26 June 2020	Change to Reporting Frequency-From week commencing 29th June the COVID-19 dashboard will no longer be updated at weekends.
06 July 2020	From 6th July a page detailing deaths reported on the Saturday and Sunday of each weekend will be added. This will be updated each Monday on the dashboard.
26 August 2020	From 26th August information on admissions and discharges within the last 7 and 14 days has been added to page 10 of the dashboard.
03 September 2020	From 2nd September an additional page was added on laboratory completed tests by LGD during the most recent and previous 7 days, and a breakdown of positive tests by age group and LGD.

## Pre-Release Access List:



### COVID-19 Statistical Dashboard

For this statistical publication the following Department of Health officials may receive up to 24 hour pre-release access to the data (statistical staff producing this release are not included):

- Minister
- Special Adviser to the Minister
- Permanent Secretary
- Chief Medical Officer
- Chief Nursing Officer
- Deputy Secretary (2)
- Director of Communications
- Director of COVID-19 Response
- Deputy Chief Medical Officer