



SUMMARY INFORMATION

92,680

Total laboratory completed tests for COVID-19

28

COVID-19 confirmed Inpatients

3,625

Total Beds

71,348

Individuals with a laboratory completed test for COVID-19

1,443

COVID-19 confirmed Discharges

2,733

Total Beds Occupied

4,870

Individuals with a Positive lab completed test for COVID-19

98

ICU Beds

75%

Occupancy %

259

Positive lab completed tests per 100k population

2

ICU COVID-19 suspected / confirmed

47

Active COVID-19 Care Home Outbreaks

545

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

36

ICU Available

106

Closed COVID-19 Care Home Outbreaks



COVID-19 Testing Overview

92,680

Total Lab Completed Tests

71,348

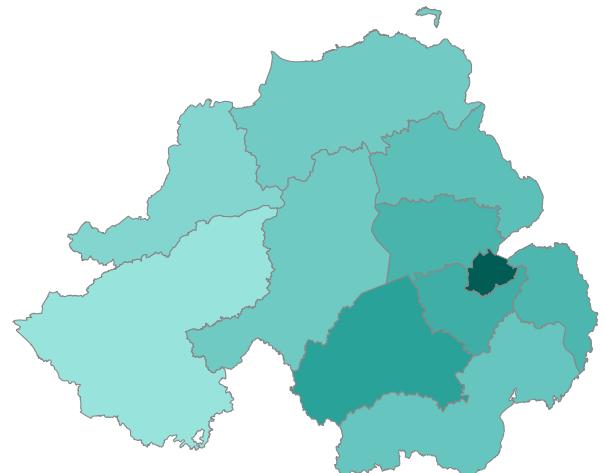
Individuals Lab Completed Tests

4,870

Individuals Positive Lab Test

259

Positive Tests per 100,000-pop



Breakdown of Individuals with a Laboratory Completed Test by Local Government District

Local Government District	Individuals Tested	Individuals Tested Positive	Individuals Tested Negative	Indeterminate Tests	Positive Tests per 100k pop
Antrim and Newtownabbey	5,065	412	4,652	1	289
Ards and North Down	6,115	395	5,716	4	246
Armagh City, Banbridge and Craigavon	8,199	541	7,654	4	253
Belfast	14,496	1,325	13,163	8	388
Causeway Coast and Glens	4,470	250	4,216	4	173
Derry City and Strabane	4,747	177	4,566	4	117
Fermanagh and Omagh	3,325	86	3,237	2	74
Lisburn and Castlereagh	5,809	453	5,353	3	312
Mid and East Antrim	4,344	334	4,010	0	241
Mid Ulster	4,739	257	4,482	0	174
Newry, Mourne and Down	6,252	293	5,957	2	163
Not Known	3,787	347	3,430	10	
Total	71,348	4,870	66,436	42	259

Note 1: Local Government Districts assigned as 'Not Known' refer to individuals with insufficient address / postcode details.

Testing for the SARS-COV2 Virus in NI is currently being carried out by (i) **HSC Trust Labs** and (ii) **National Testing Centres**; although, information on the outcome of completed laboratory tests is ONLY available for HSC Trust Labs at this time. *Refer to notes for further detail.*

i. HSC Trust Labs - Cumulative Number of Completed Laboratory Tests

19 June 2020

91,555

Total Lab Tests

70,548

Individuals Tested

4,866

Individuals Tested Positive

20 June 2020

92,680

Total Lab Tests

71,348

Individuals Tested

4,870

Individuals Tested Positive

Daily Change

1,125

Total Lab Tests

800

Individuals Tested

4

Individuals Tested Positive

ii. National Testing Centres - Cumulative Number of Samples Taken (Date Sample Taken)

19 June 2020

32,028

Samples Taken

20 June 2020

32,185

Samples Taken

IMPORTANT NOTE:

Data from National Testing Centres refers only to the number of persons who have had samples / swabs taken at the SSE Arena, City of Derry Rugby Club, Craigavon Test Centre, St. Angelo Airfield Enniskillen and the mobile testing unit . These sample are sent to the laboratories for analysis and will be reported as a laboratory completed test in due course. They should NOT be added to the **Completed** laboratory results presented above.

Daily Change

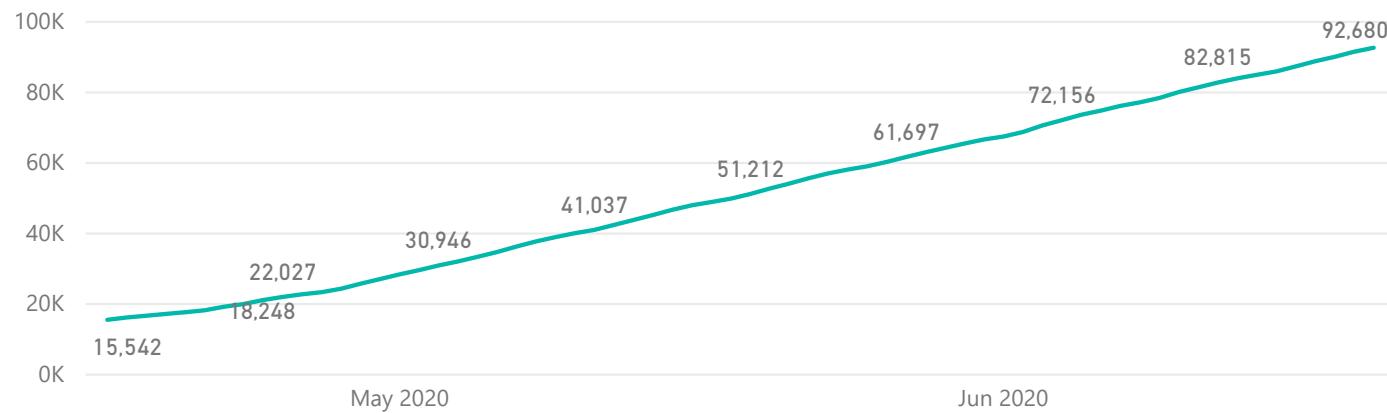
157

Samples Taken



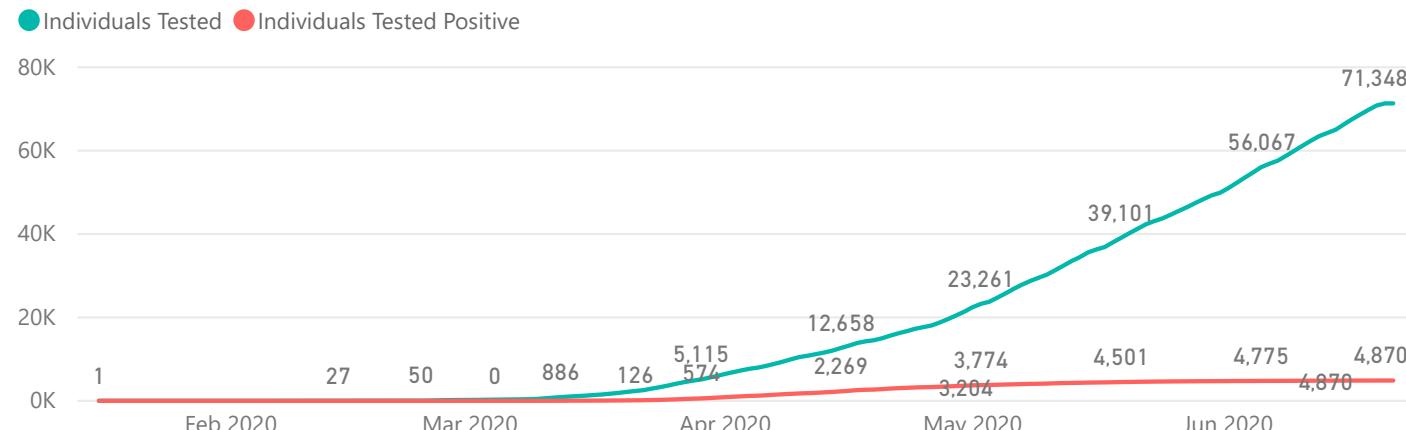
The information below shows the total number of laboratory completed tests for SARS-COV2 Virus at 9am on the date presented. The total number of tests will include each laboratory completed test, i.e. if an individual had more than one test for the SARS-COV2 Virus, each laboratory completed test will be included.

Cumulative Total of Laboratory Completed Tests by Date of Laboratory Test



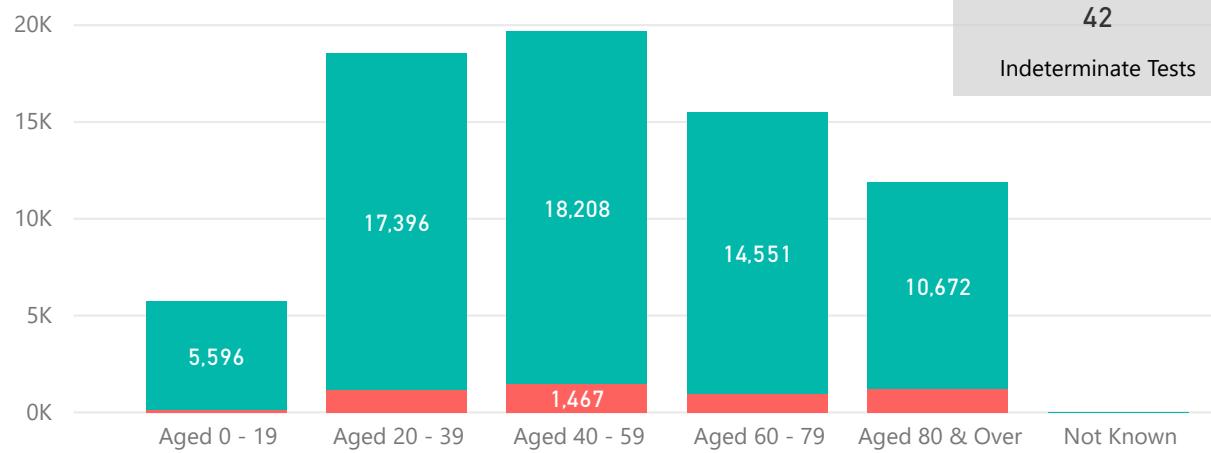
The cumulative number of individuals with a laboratory completed test is presented below by the date on which the specimen (sample / swab) had been taken at a testing location, and not the date the labortory test was completed. If an individual has been tested more than once, only the first laboratory completed positive result will be counted, with all other laboratory completed test results excluded, regardless of when the test took place.

Cumulative Individuals with Laboratory Completed Test for SARS-COV2 Virus by Date of Specimen



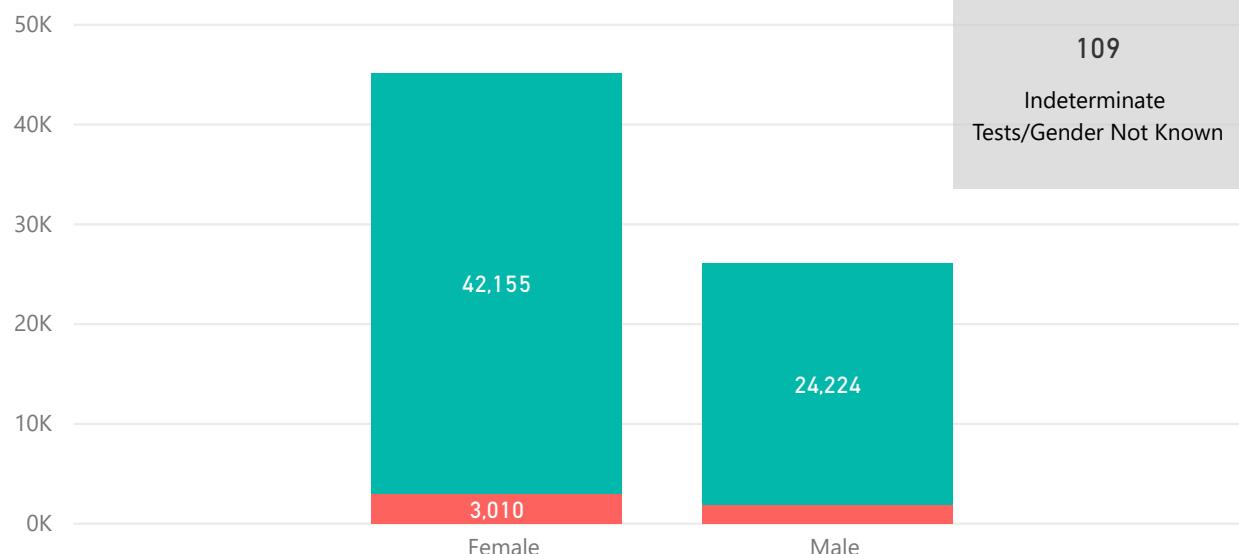
Individuals with a Laboratory Completed Test for SARS-COV2 Virus by Age Group

● Individuals Tested Positive ● Individuals Tested Negative



Individuals with a Laboratory Completed Test for SARS-COV2 Virus by Gender

● Individuals Testing Positive ● Individuals Testing Negative

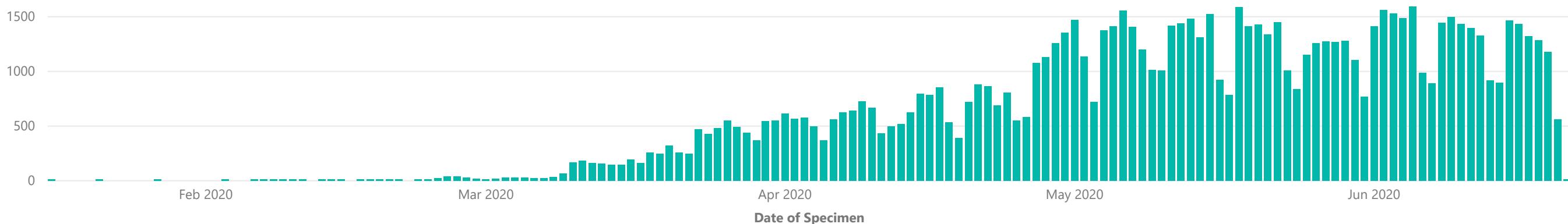




COVID-19 Testing Trend Analysis

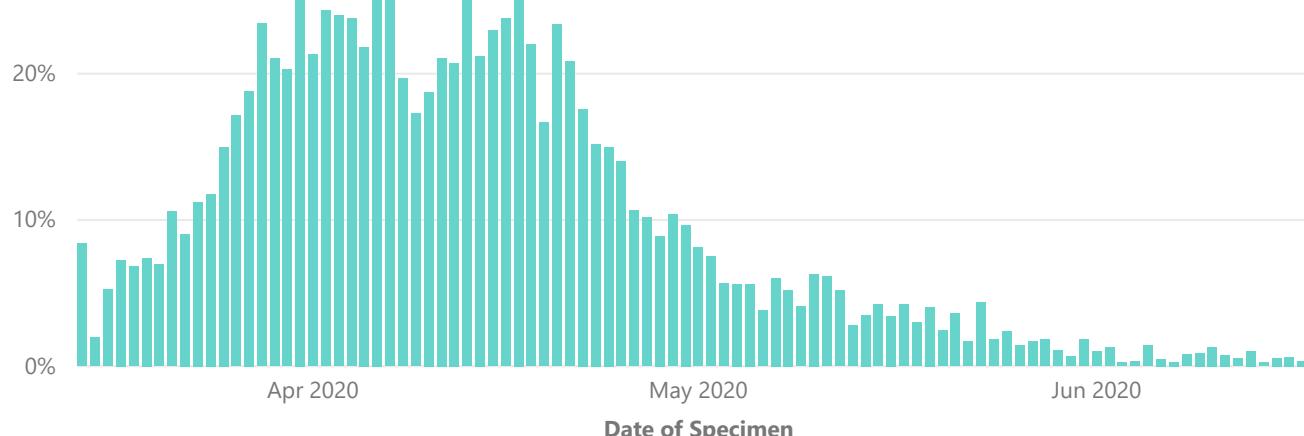
Information below refers to the number of laboratory completed tests by the date on which the specimen (sample / swab) had been taken at a testing location, and not the date the laboratory test was completed. Whilst this gives the most accurate analysis of how cases progress over time it does mean that 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



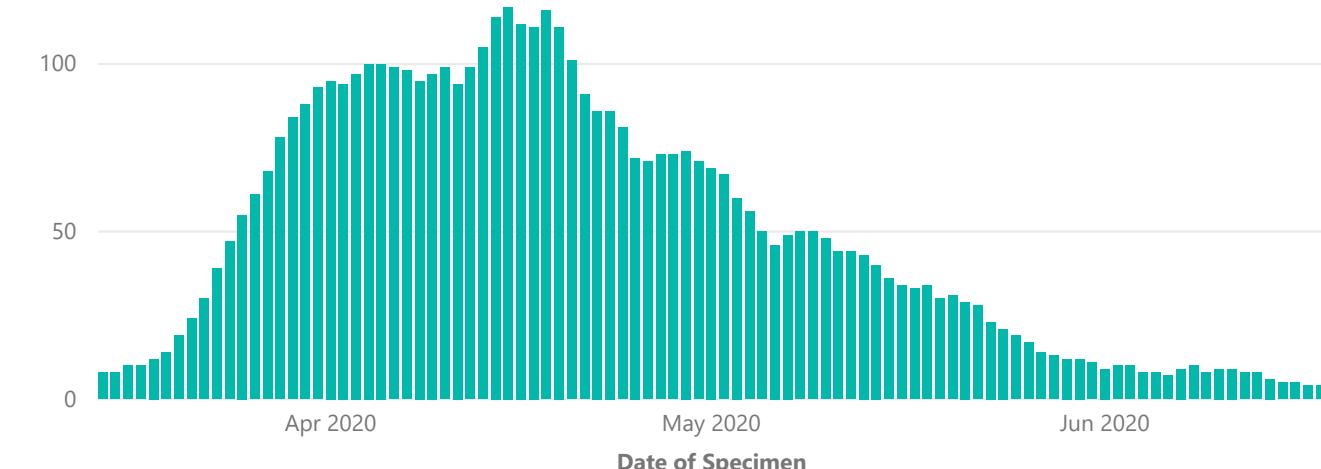
Information below shows the percentage of laboratory completed tests which were identified as positive by the date on which the specimen (sample / swab) had been taken at a testing location.

Proportion of Laboratory Completed Tests Identified as Positive by Date of Specimen



Information is presented below on the 7-day rolling average of individuals with a positive laboratory completed test, by the date on which the specimen (sample / swab) had been taken at a testing location.

7 Day Rolling Average (mean) of Individuals with Positive Laboratory Completed Tests by Date of Specimen





COVID-19 Death Details

Current Reporting Period = 10:00 on 20 June 2020 - 10:00 on 21 June 2020

Breakdown of Deaths During Current Reporting Period

545

Cumulative COVID-19 Deaths reported up to 10:00am on 21 June 2020

545

Deaths previously reported up to 10:00am on 20 June 2020

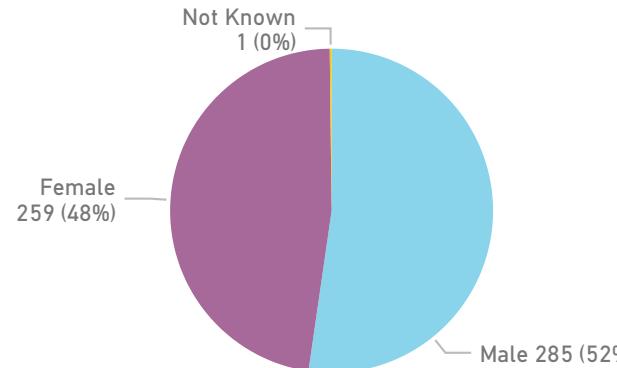
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Deaths reported and occurring within current reporting period

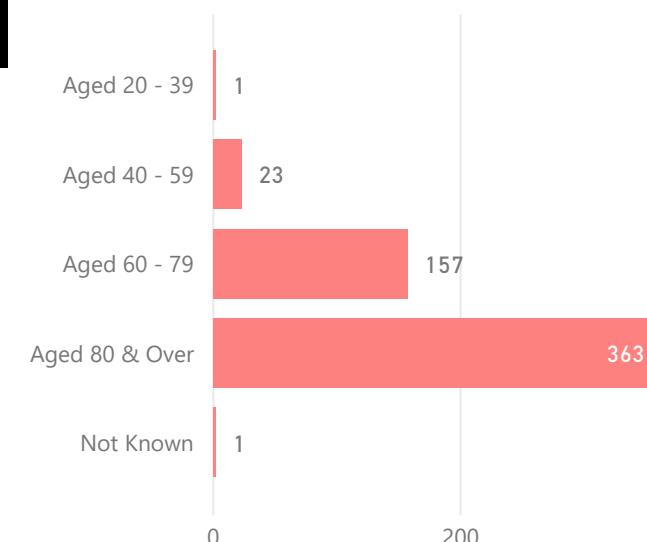
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Deaths reported, but not occurring within current reporting period

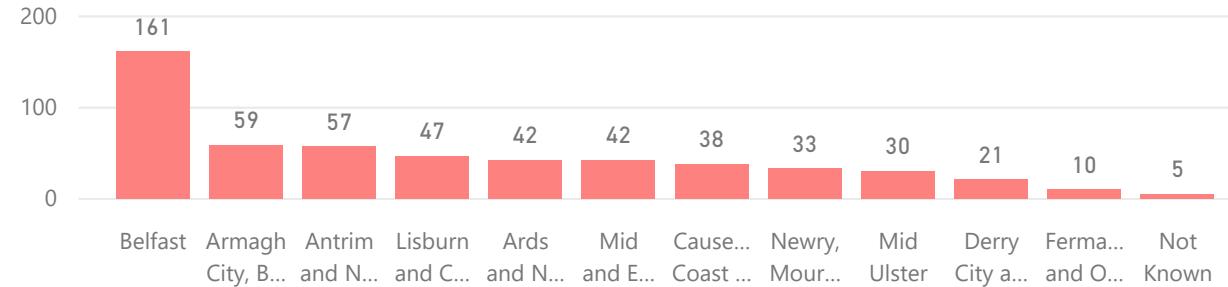
COVID-19 Deaths by Gender



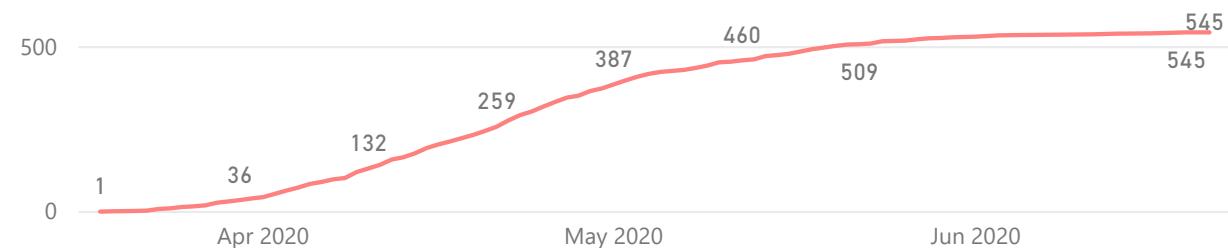
COVID-19 Deaths by Age Group



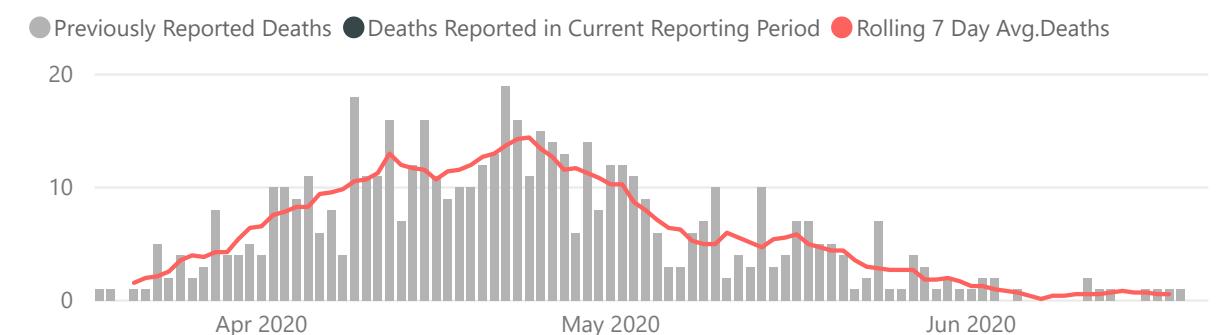
COVID-19 Deaths by Local Government District



Cumulative COVID-19 Deaths by Date of Death



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

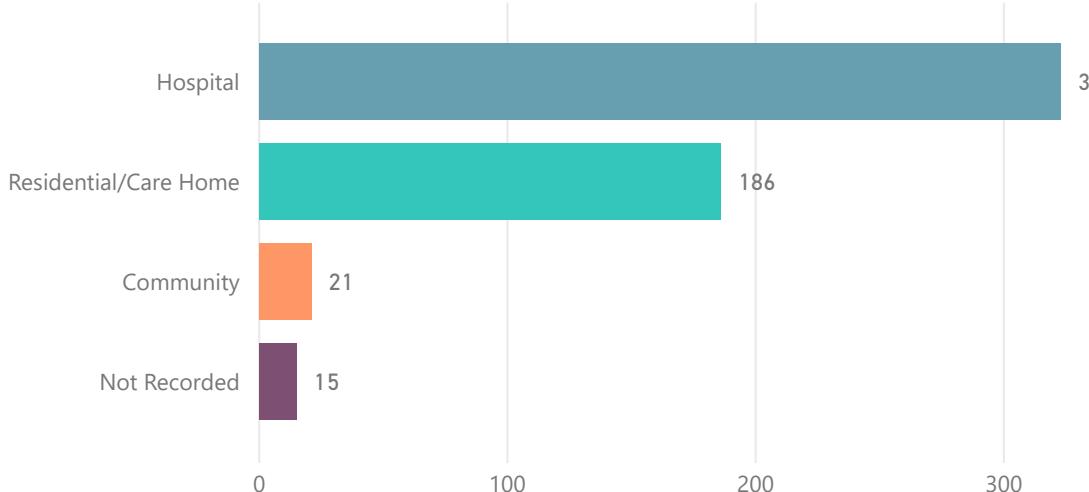
Note 2: Current Reporting Period = 10:00 on 20 June 2020 - 10:00 on 21 June 2020



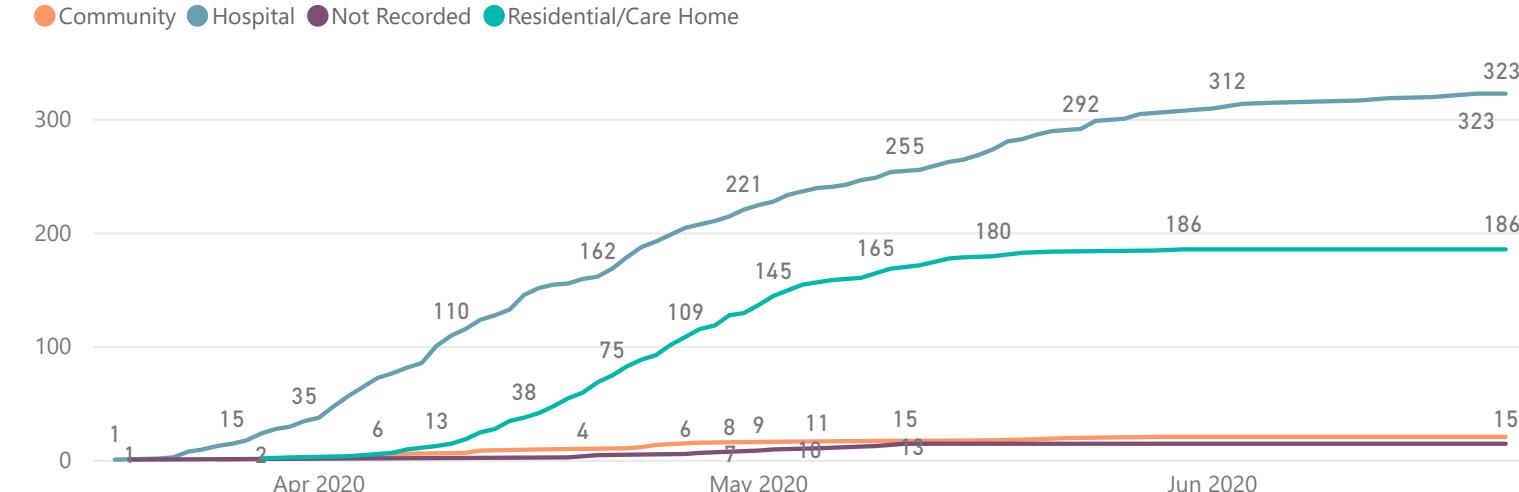
COVID-19 Deaths by Setting

Current Reporting Period = 10:00 on 20 June 2020 - 10:00 on 21 June 2020

COVID-19 Deaths by Setting

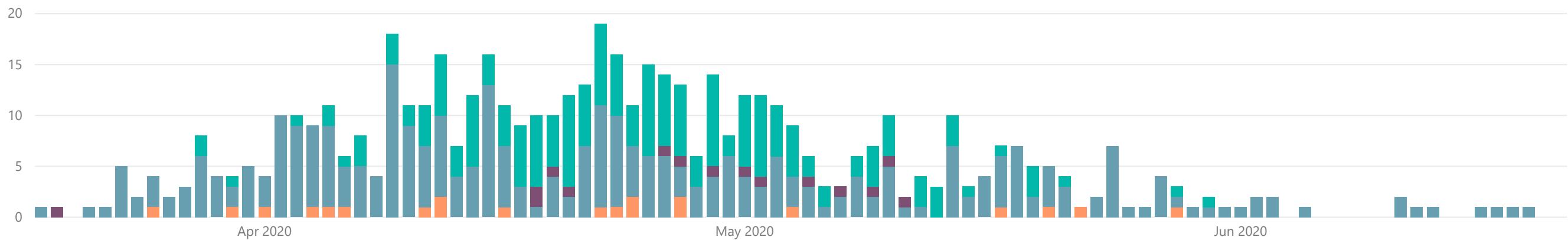


Cumulative COVID-19 Deaths by Date of Death and Setting



COVID-19 Daily Deaths by Date of Death and Setting

Community Hospital Not Recorded Residential/Care Home



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

1,482

Admissions

1,443

Discharged

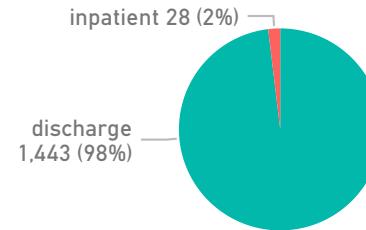
28

Inpatients

18

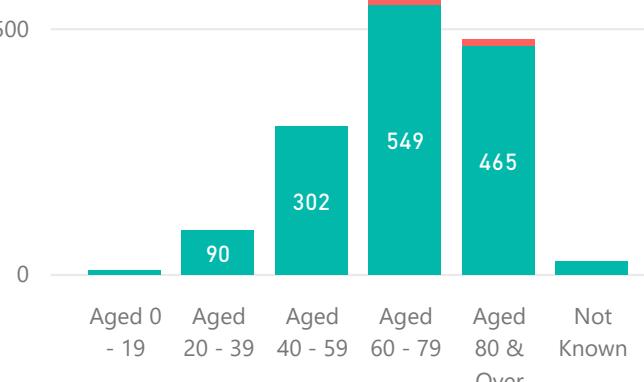
Hospitals

COVID-19 Admissions by Patient Status



COVID-19 Admissions by Age Group & Patient Status

Admission St... ● discharge ● inpatient



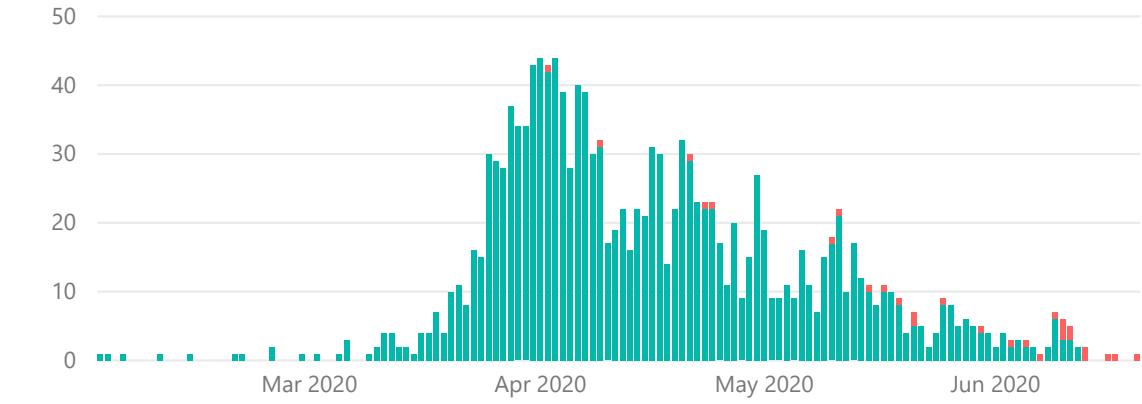
COVID-19 Admissions by Trust & Patient Status

Admission Status ● discharge ● inpatient

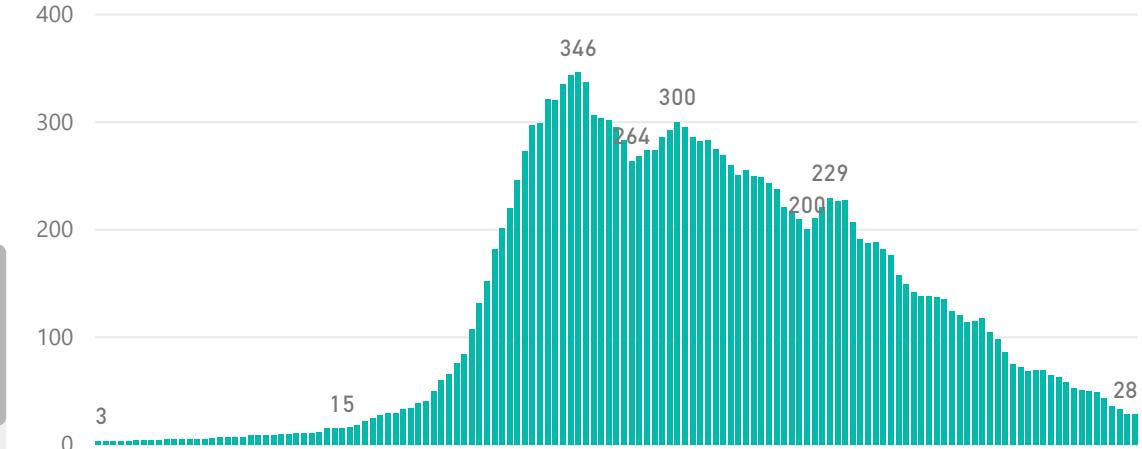


COVID-19 Admissions by Admission Date & Patient Status

Admission Status ● discharge ● inpatient



Confirmed COVID-19 Midnight Occupancy by Date

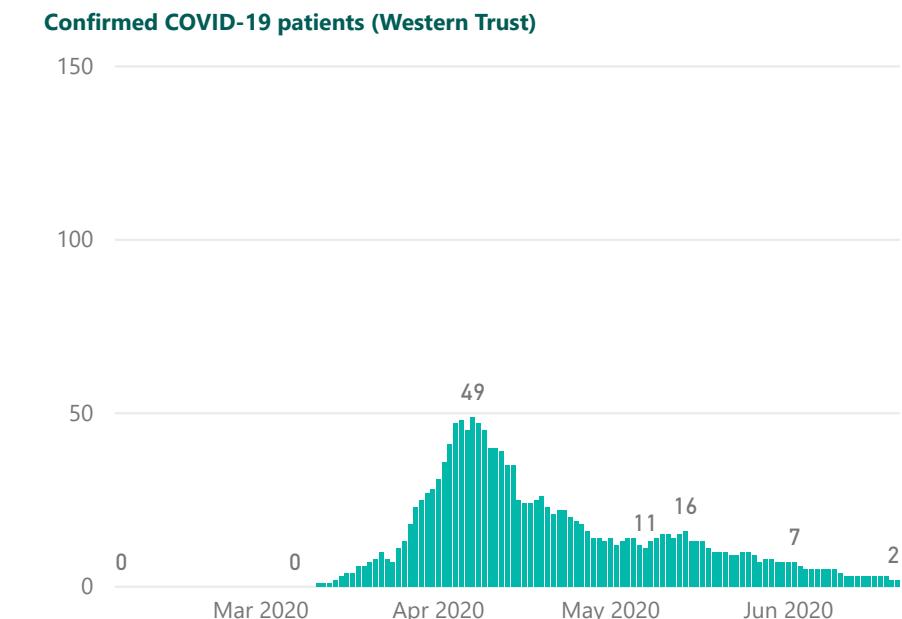
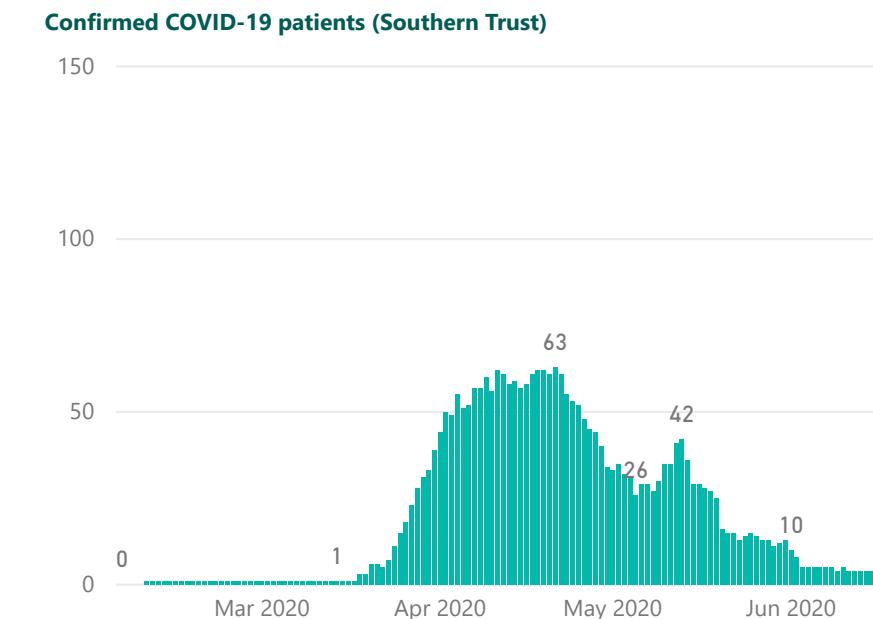
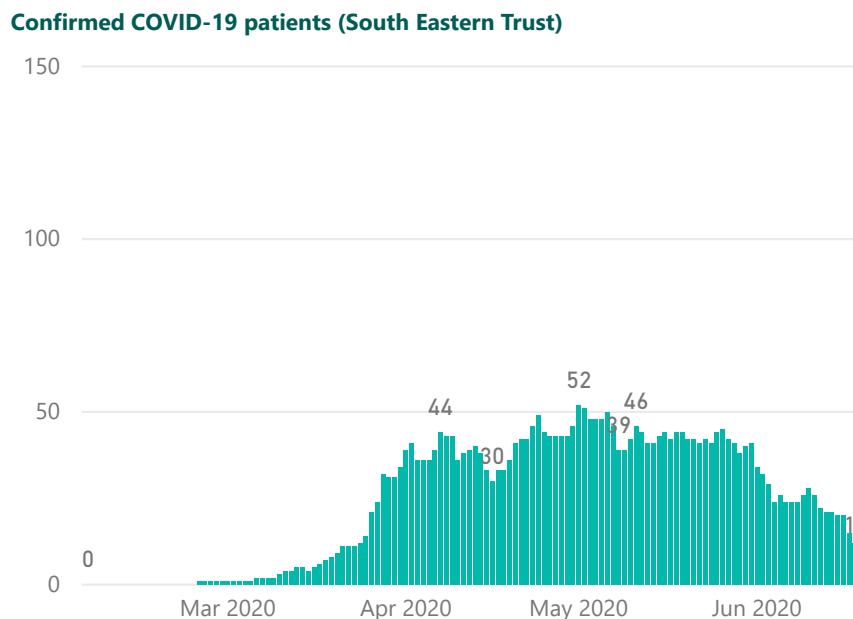
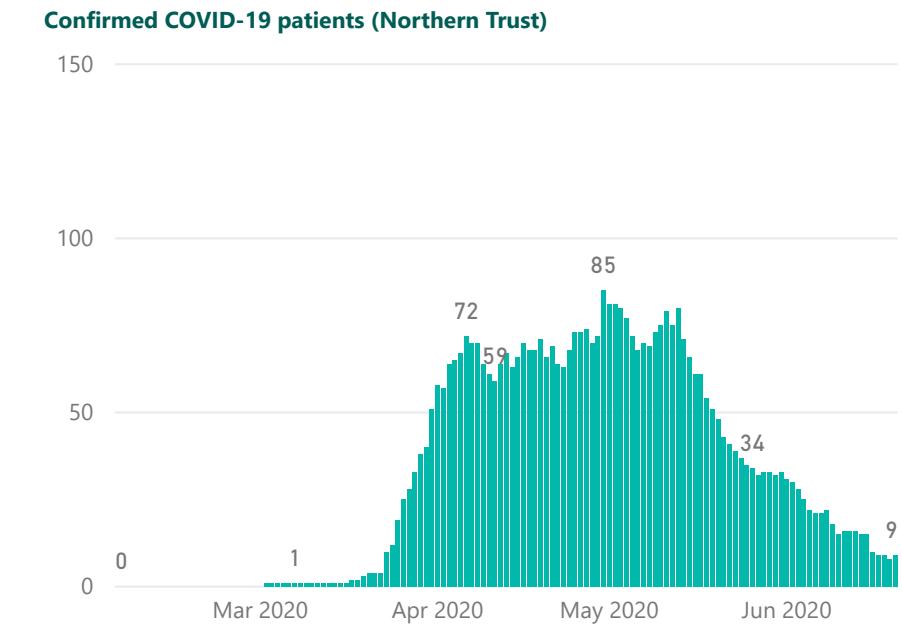
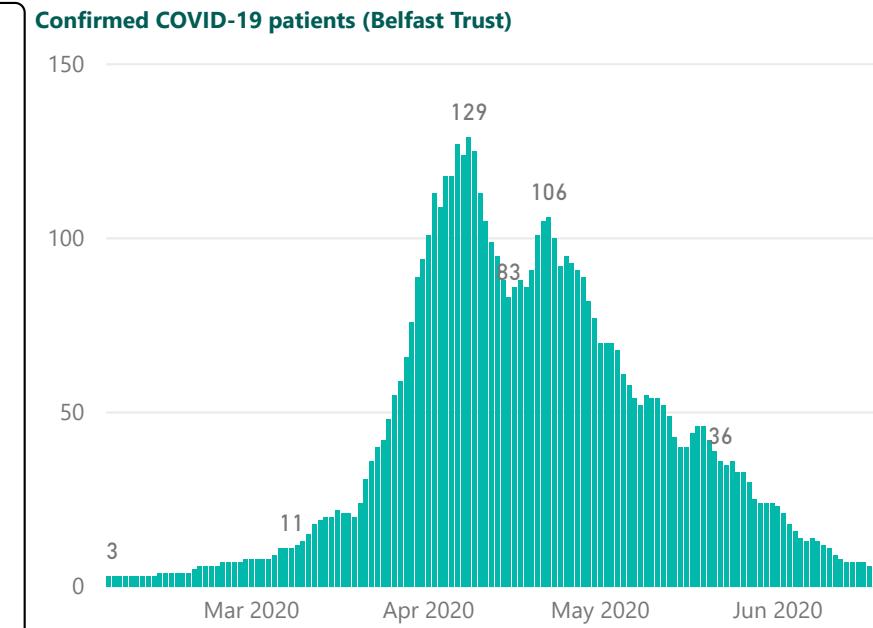
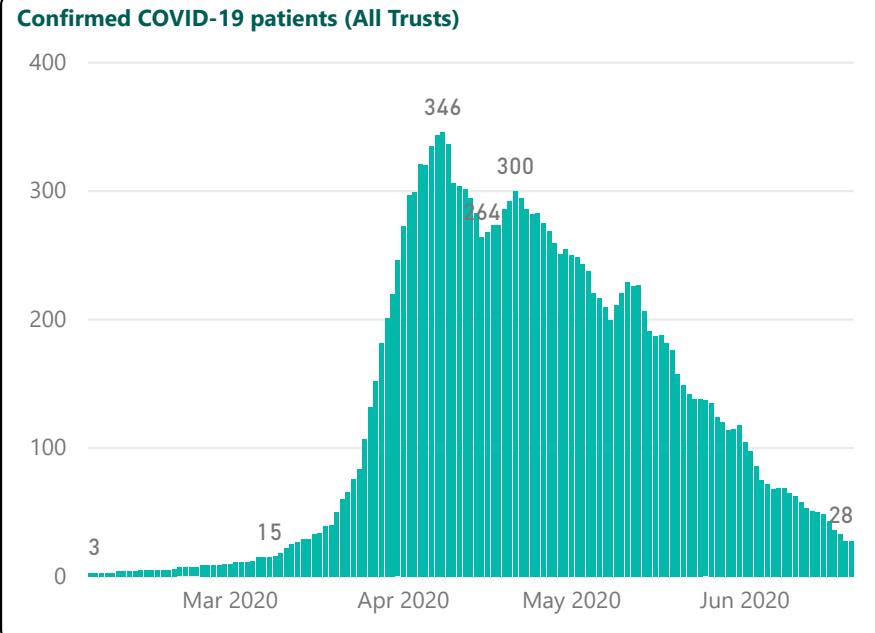


Note 1: Discharges include: discharge under medical grounds, self-discharge or death

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 fluctuate



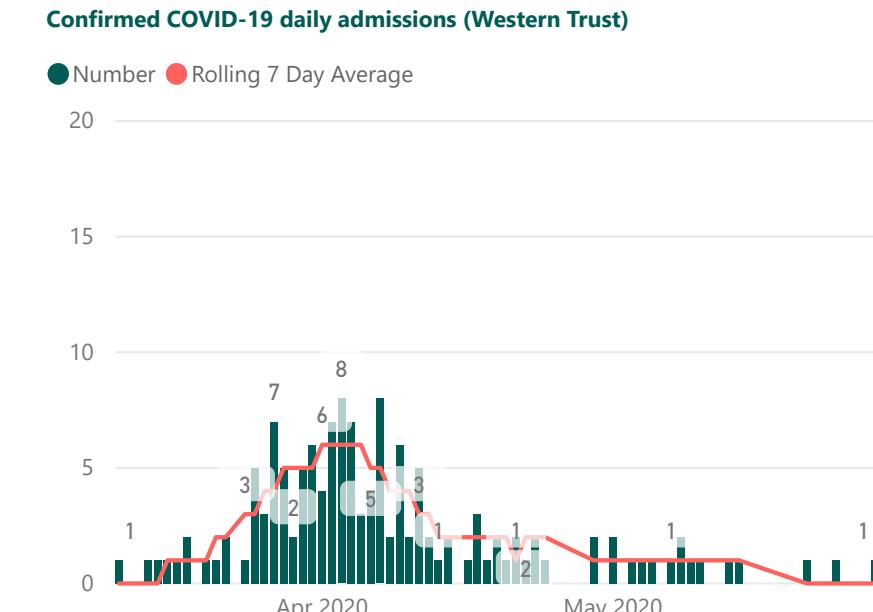
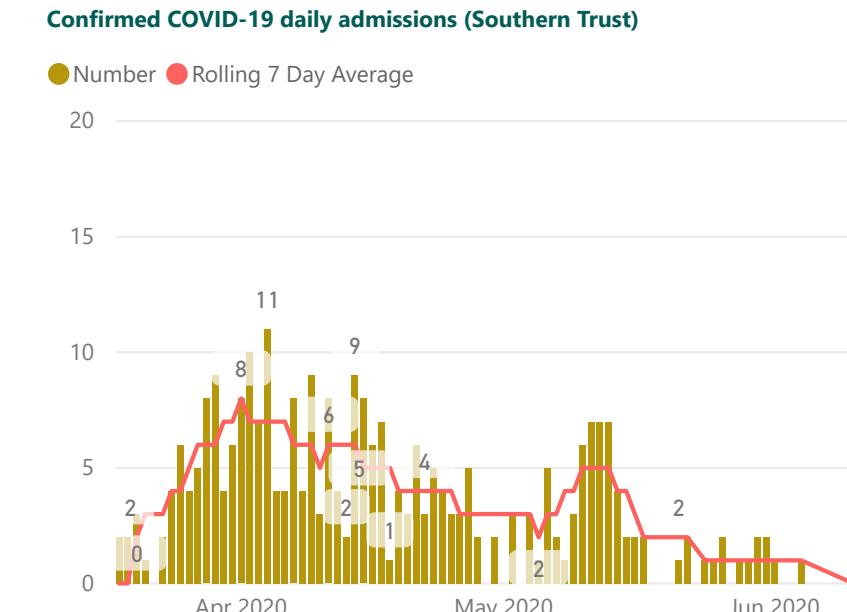
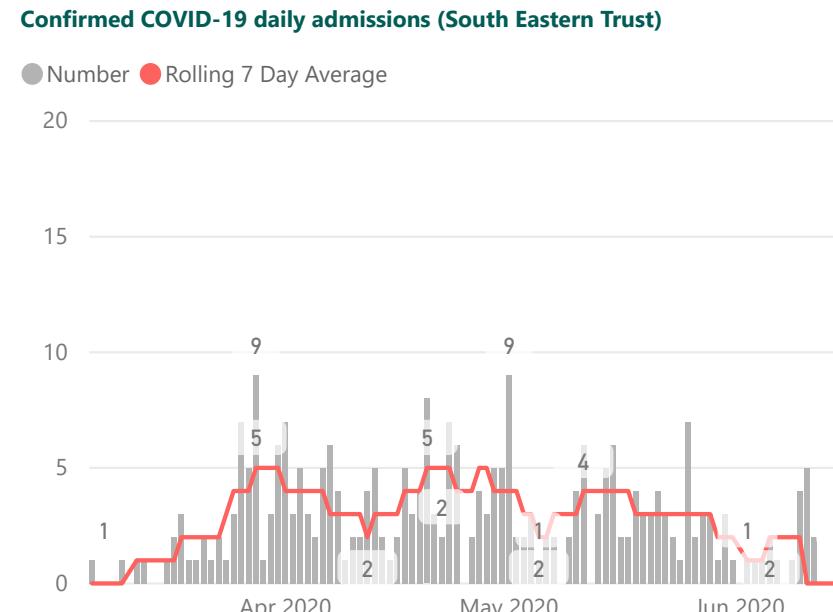
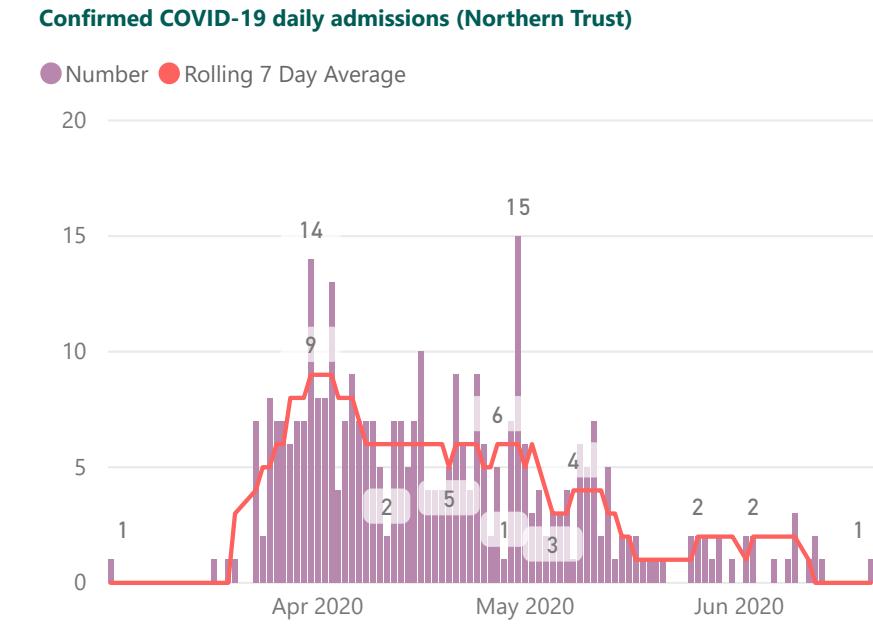
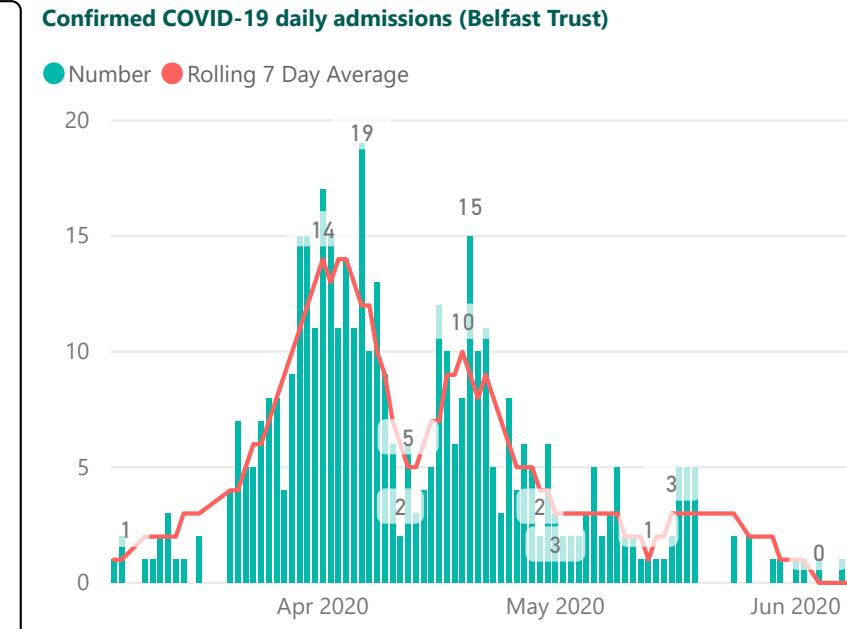
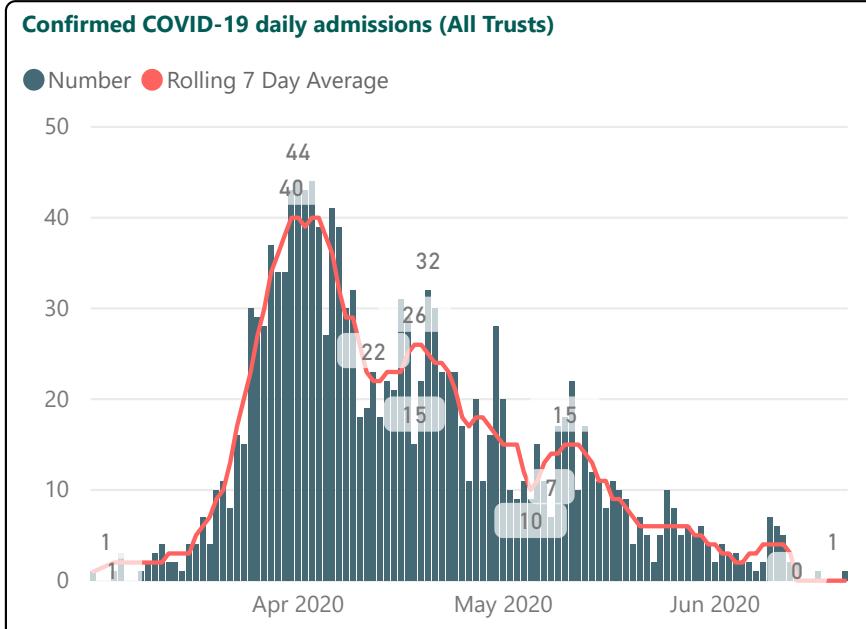
Confirmed COVID-19 Inpatients by HSC Trust





Confirmed COVID-19 Daily Admissions by HSC Trust

Breakdown of daily admissions with confirmed COVID-19



ICU Bed Occupancy

98

Total ICU Beds

2

Covid-19 Occupied

60

Other ICU Occupied

36

Unoccupied Beds

26

Total Ventilated Patients

2

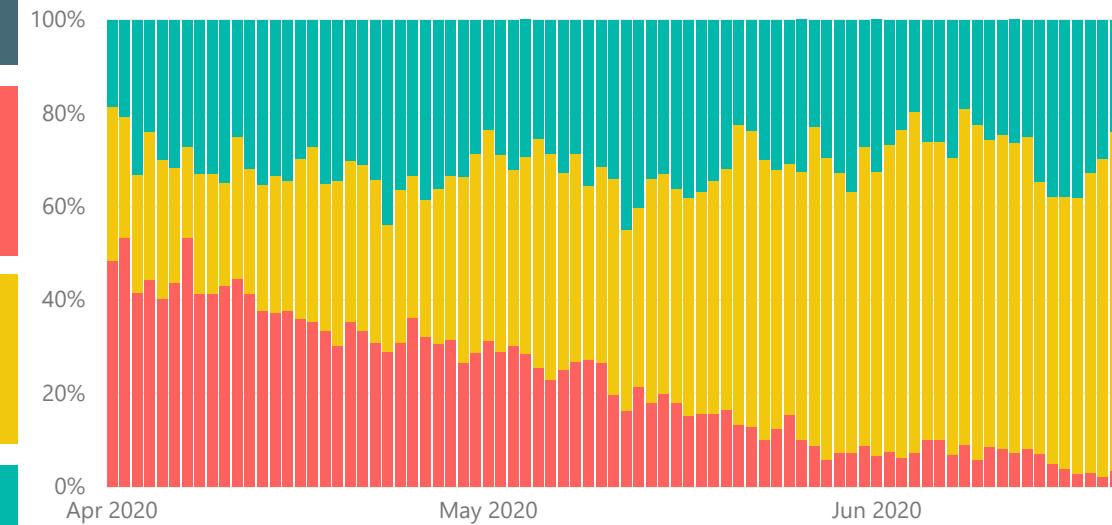
Covid-19 Ventilated

24

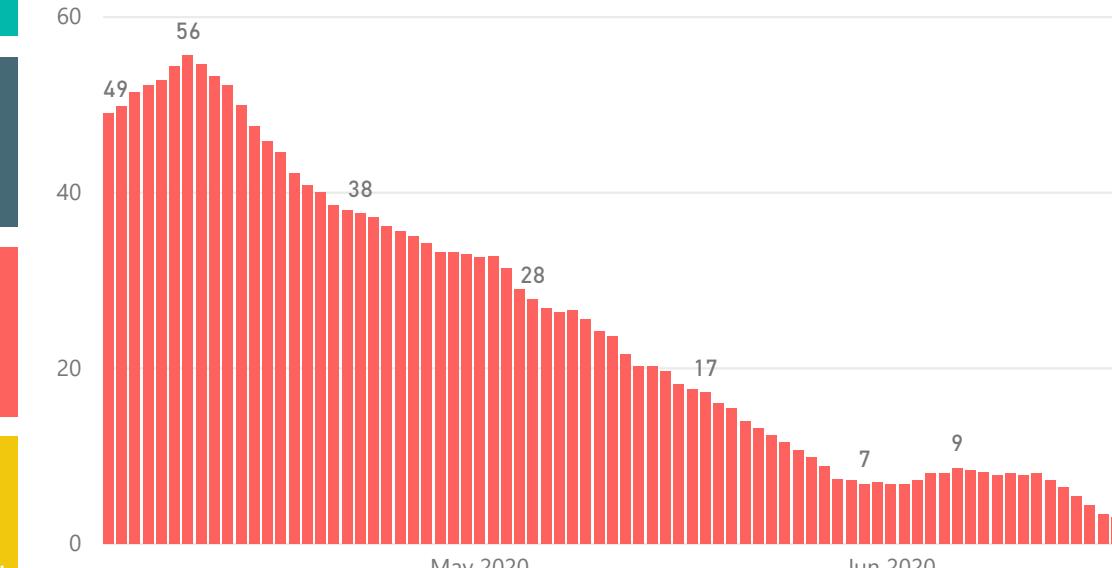
Non Covid-19 Ventilated

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

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

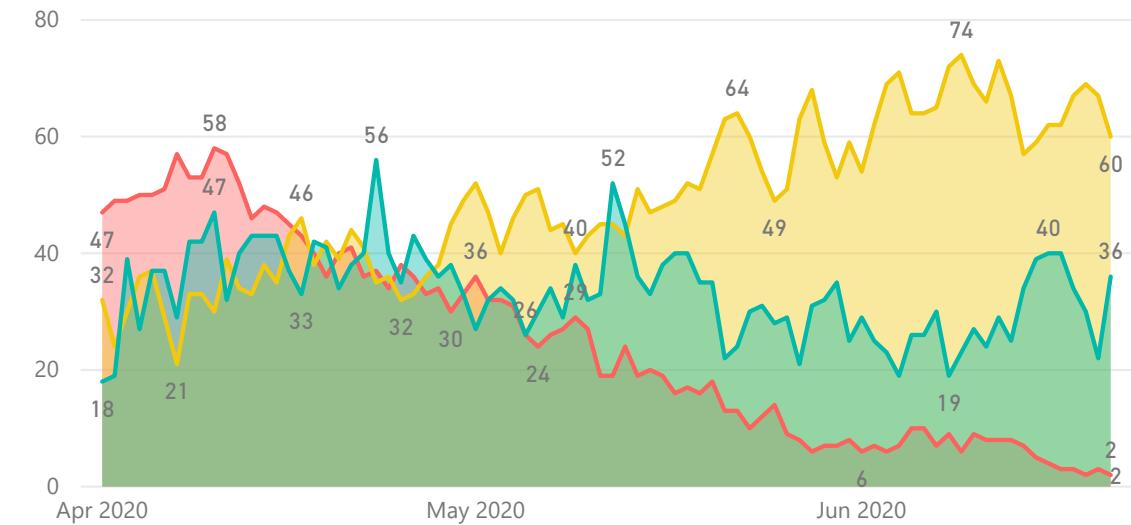


Covid-19 ICU Bed Occupancy : 5 Day Rolling Average



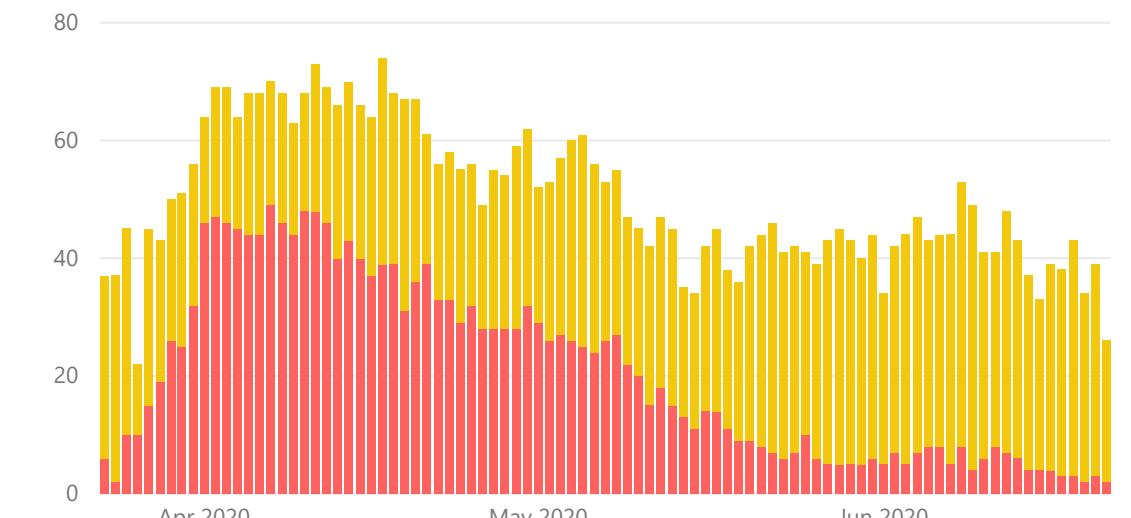
Number of ICU Beds Covid-19 Occupied, Other Occupied and Unoccupied

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



Covid-19 Ventilated Patients and Other Ventilated Patients

● Covid-19 Ventilated Patients ● Other Ventilated Patients



General Beds Occupancy

3,625

Total Beds Available

75%

% Beds Occupied

2,733

Total Occupied Beds

285

Covid-19 Occupied Beds

2,448

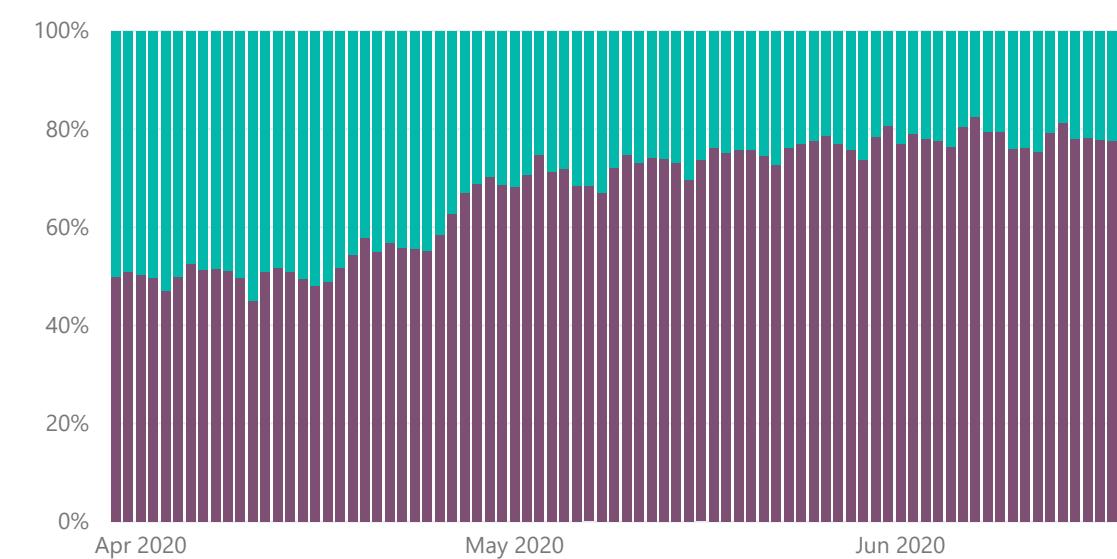
Other Occupied Beds

892

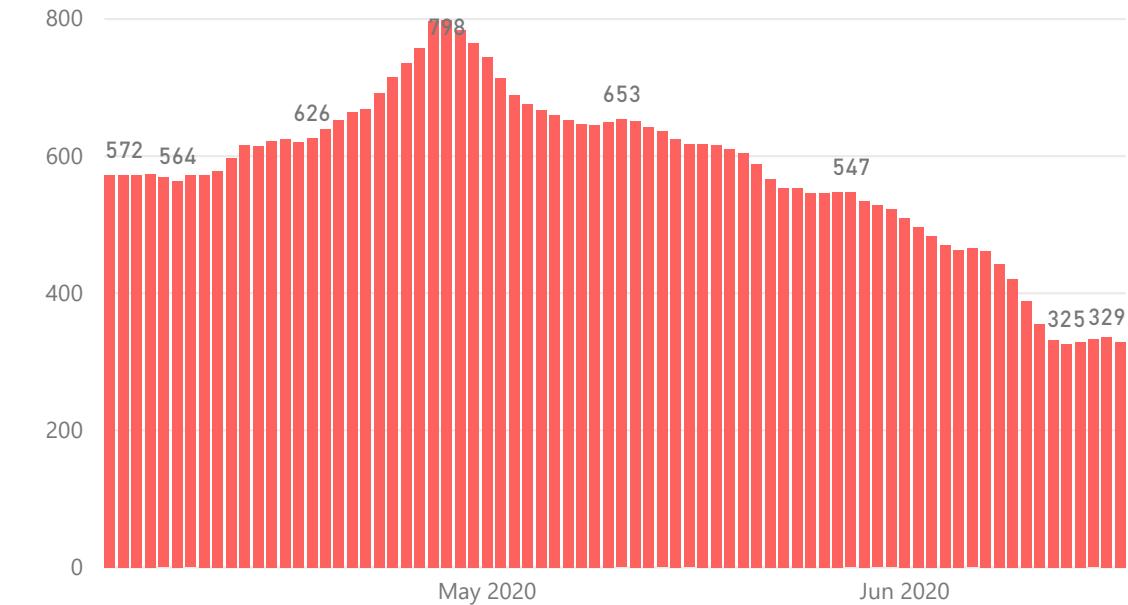
Unoccupied Beds

General Bed Occupancy - % Occupied and Unoccupied

Total Occupied Beds Unoccupied Beds

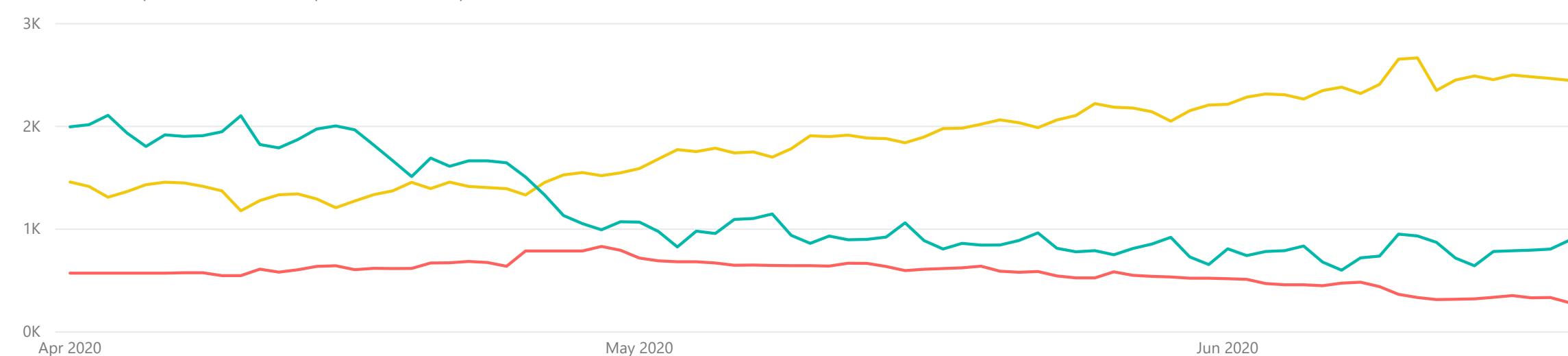


Covid-19 General Bed Occupancy : 5 Day Rolling Average by Date



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

172

Total Acute Respiratory Outbreaks

47

Confirmed COVID-19

19

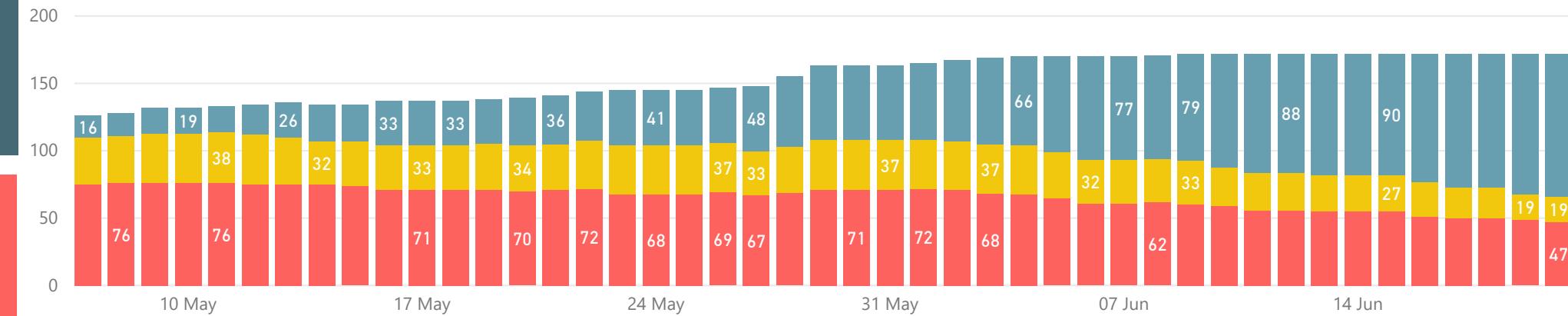
Suspected COVID-19

106

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.

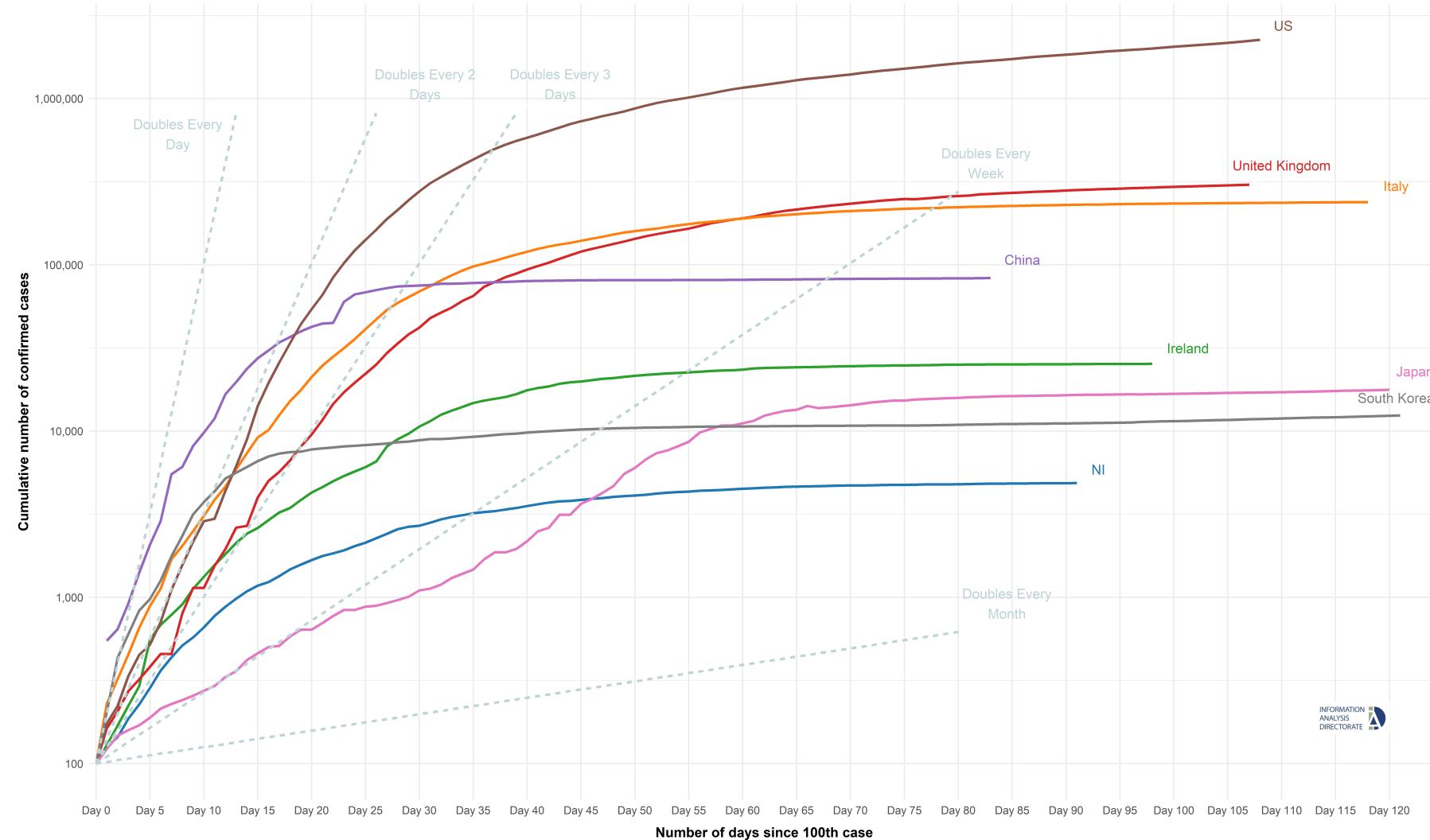
Declaring the End of an Outbreak/outbreak closed

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

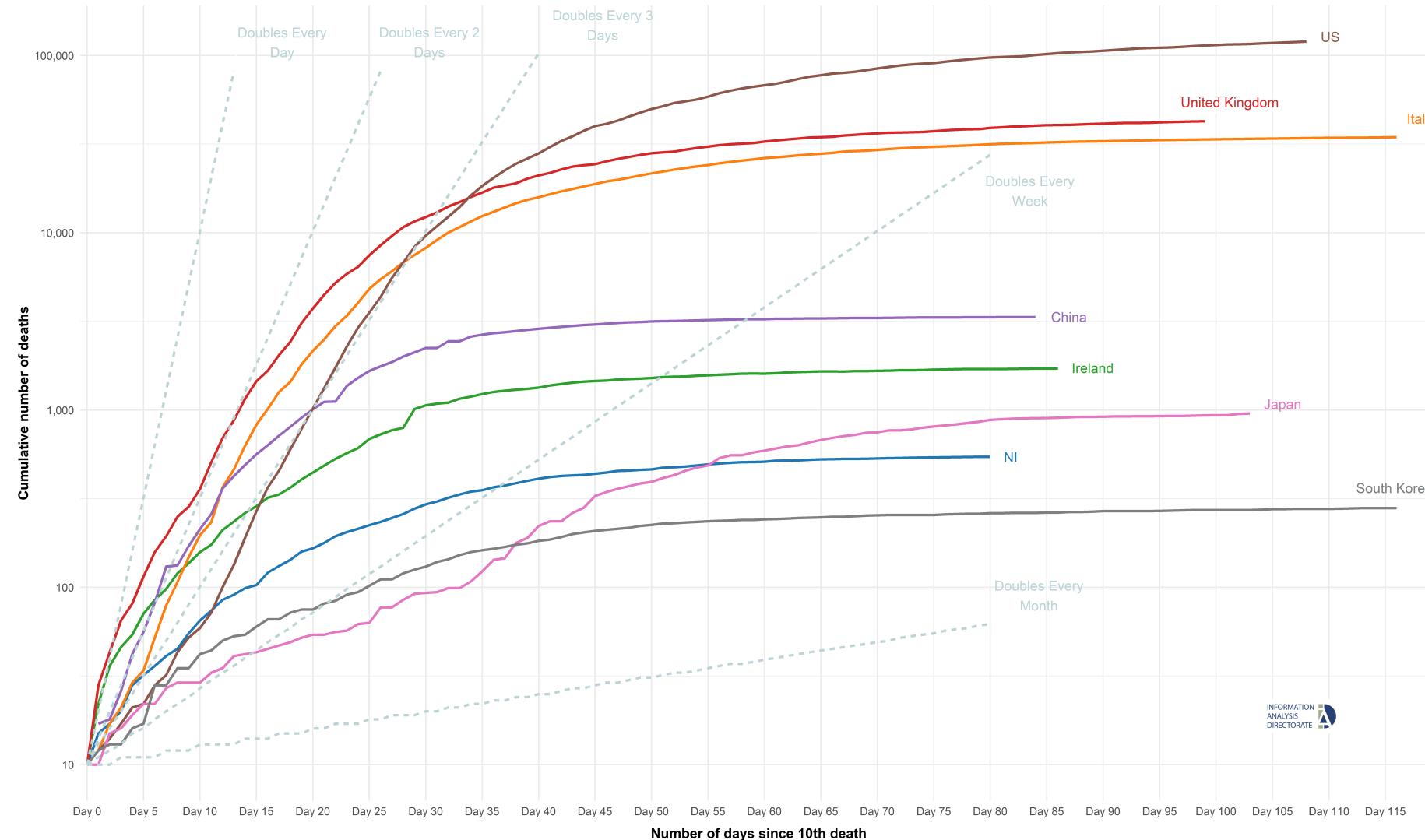
The chart below presents the cumulative number of confirmed cases of coronavirus (COVID-19) after the 100th case. The 100th case for all countries are aligned by calculating the first time the cumulative number of positive cases was greater than or equal to 100 and rounding down to exactly 100. Data 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 **slower rate** (601.1 days) over the last 5 days compared with the doubling rate in the 5 days before that (407.6 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	601.1	407.6	↑ 193.5	28	41	↓ -13
Ireland	1657.5	973.3	↑ 684.2	53	90	↓ -37
United Kingdom	166.8	152.0	↑ 14.8	6,265	6,727	↓ -462
Italy	836.6	536.8	↑ 299.8	985	1,527	↓ -542
China	1816.7	1757.9	↑ 58.8	159	164	↓ -5
Japan	213.1	204.5	↑ 8.6	286	293	↓ -7
United States	53.6	62.9	↓ -9.3	141,093	113,324	↑ 27,769
Germany	219.4	559.0	↓ -339.6	2,988	1,160	↑ 1,828
France	280.1	299.3	↓ -19.2	2,419	2,237	↑ 182
Spain	464.3	460.8	↑ 3.5	1,829	1,829	↑ 0
South Korea	160.1	200.8	↓ -40.7	266	208	↑ 58

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

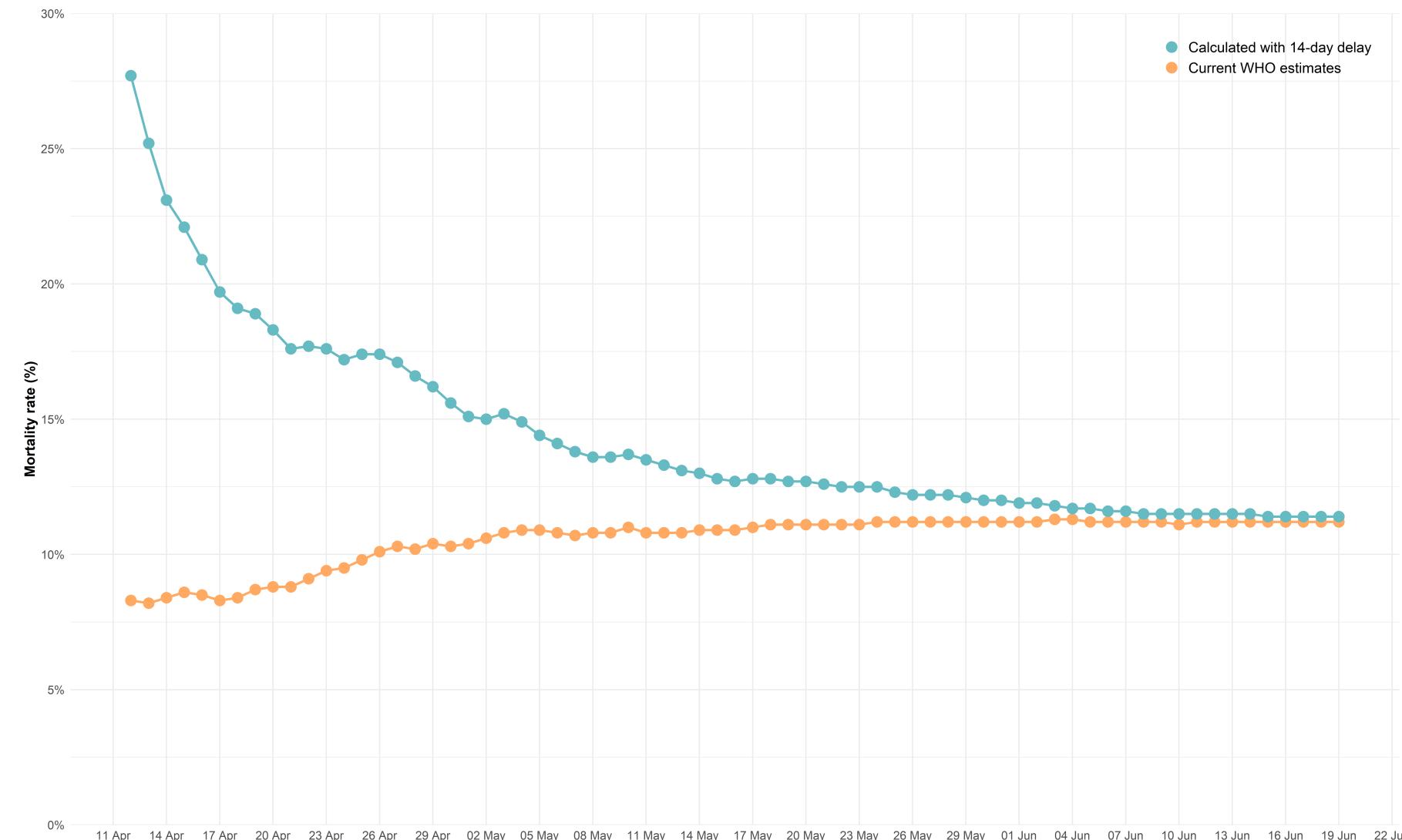
Data updated: ¹ Sunday 21 June 2020

Please note: ^a United Kingdom data includes Northern Ireland



14 Day Mortality Lag

Mortality rate estimates are often based on the number of deaths relative to 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 currently reported by DoH refers ONLY to the number of laboratory completed tests for the SARS-COV2 virus at 9am each day 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 Testing Centres

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; although, information on the outcome of samples (swabs) taken at these National Testing Centres is not presented in this dashboard. Samples taken at National Testing Centres will be sent to laboratories for analysis and will be reported as a laboratory completed test in due course. They should NOT be added to the **Completed** laboratory results presented above.

Currently, the National Testing Centres in NI are located at the following sites: the SSE Arena, City of Derry Rugby Club and Craigavon Test Centre.

DATA PROVISION

Daily extracts based on laboratory completed tests completed and authorised by each HSC laboratory are provided to the DoH at 9am, and refer to the position at the end of the previous working day. Data on authorised completed laboratory results for the Regional Virus Laboratory are provided via a secure data link at 12 midday and 18:30pm each day, whilst data on authorised completed laboratory results for the remaining laboratories (Altnagelvin, Craigavon Area and Antrim) are available to download from the Regional Data Warehouse at 4am each day.

DATA QUALITY

Data is currently provided by the 4 HSC laboratories in two separate ways; (i) a data extract from RVL Belfast, and (ii) a data extract for Antrim, Craigavon Area and Altnagelvin laboratories via the Regional Data Warehouse.

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.

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 09:30 am one day previous until 09:30 am on the day of reporting). Deaths submitted by HSC Trusts after 9:30am 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. Updates are available for access by DoH via secure file transfer by 10.45am each day.

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.

Admission / 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 with suspected or 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 final 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. A conference call is held between CCANI staff and Trust staff to gather this information at 9.30am each morning.

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 Covid-19 patients, the total number occupied and the number 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 of these patients have suspected or

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
- Deputy Chief Medical Officer