

# Daily COVID-19 Surveillance Bulletin

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## PHA Health Protection Respiratory Surveillance Team

Date generated: 30/03/2020

**Version 2.3 - Data correct to 30/03/2020 at 09:58**

COVID-19 is the disease name and SARS-COV2 is the virus name.

### **New reports since yesterday**

**<sup>1</sup>Number of laboratory confirmed COVID-19 cases: 123**

**<sup>2</sup>Number of Trust deaths associated with COVID-19: 1**

**<sup>3</sup>Number of individuals tested for SARS-COV2 Virus: 513\***

### **Summary to date**

**<sup>1</sup>Cumulative number of laboratory confirmed COVID-19 cases: 533**

**<sup>2</sup>Cumulative number of Trust deaths associated with COVID-19: 22**

**<sup>3</sup>Number of Individuals tested for SARS-COV2 Virus: 5,541**

Tests were initially conducted by the Regional Virology Laboratory (RVL) Belfast for all of Northern Ireland. On 30/03/2020, laboratory testing data from the NHST (testing started 23/03/2020) and from the SHST (testing started 28/03/2020) are now included in the figures.

## Definitions

### <sup>1</sup> Laboratory confirmed COVID-19 cases

A laboratory confirmed COVID-19 case is an individual that:

- has clinical evidence of COVID Disease<sup>1</sup>
- has a positive laboratory result for SARS-COV2

*Source of data:* laboratory reports from Regional Virus Laboratory, NHSCT (testing started 23/03/2020) and SHSCT (testing started 28/03/2020).

Please note:

- This number refers to individuals NOT number of test performed by laboratory. An individual may have more than one test for clinical purposes
- number refers to newly reported individuals and includes individuals tested in the previous few days
- a laboratory confirmed case will predominantly include patients admitted to a HSC Trust acute hospital but as the testing strategy is rolled out it may change to include those with clinical disease that are also tested in the community (e.g. health care workers)

### <sup>2</sup> Trust Deaths associated with COVID-19

Death of an individual that was:

- admitted to HSC Trust acute hospital
- with a positive result for SARS-COV2 within the previous 28 days of death
- reported by HSC Trust Chief Executive Office

*Source of data:* clinician reports from HSC Trust Chief Executive Offices

Please note, this number refer to individuals who have died within 28 days of first positive result, whether or not COVID-19 was the cause of death. Data correct up to 09:15 on morning of the report

### <sup>3</sup> Individuals tested for SARS-COV2 virus

An individual is tested if they meet the case definition for testing (as above).

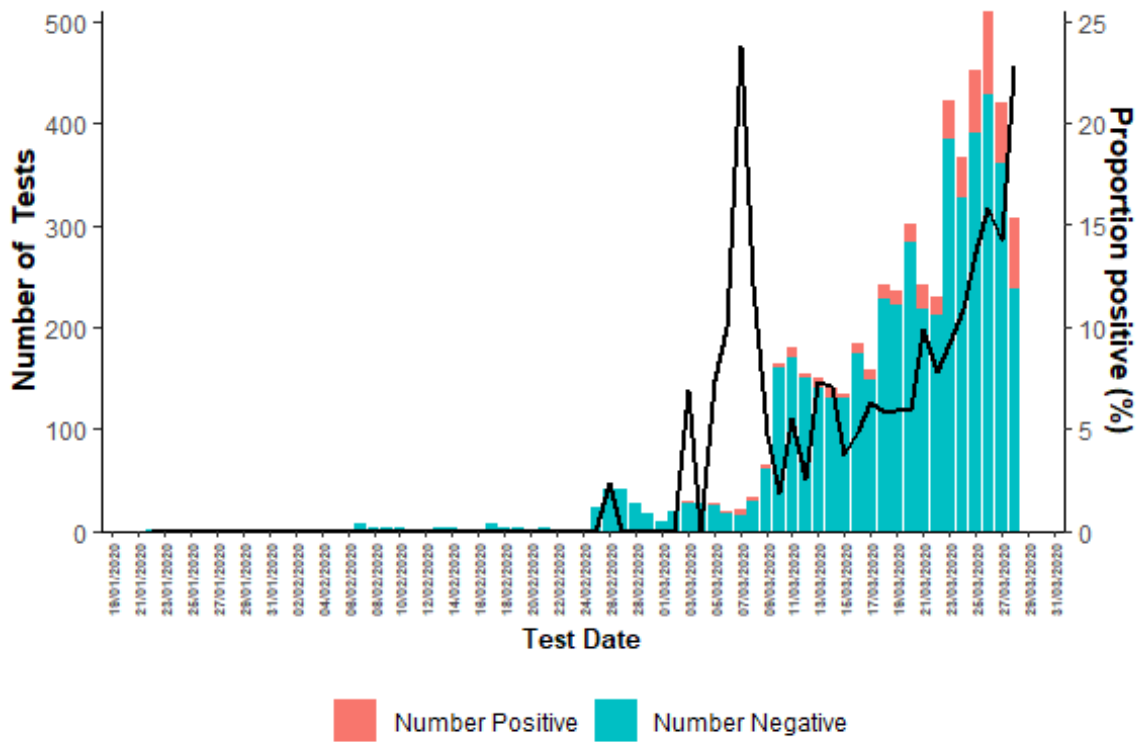
*Source of data:* laboratory reports from Regional Virus Laboratory, NHSCT (testing started 23/03/2020) and SHSCT (testing started 28/03/2020)

Please note, this number refer to individuals NOT number of test performed by laboratory. An individual may have more than one test for clinical purposes. The number of reported tests completed in the previous day.

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<sup>1</sup>Clinical evidence of COVID Disease is clinical or radiological evidence of pneumonia OR acute respiratory distress syndrome OR influenza like illness

## 1. Surveillance of SARS-CoV-2 (coronavirus) Laboratory Testing



**Figure 1: Number of SARS-CoV-2 tests and positivity rate, by test date, Northern Ireland**

The bars in figure 1 outline the number of laboratory tests undertaken by test date and the line outlines the proportion of daily tests that are positive for SARS-CoV-2 (coronavirus). Data shown to 28 March as not all samples taken yesterday have been processed.

**Table 1 Total completed tests by Health and Social Care Trust, Northern Ireland**

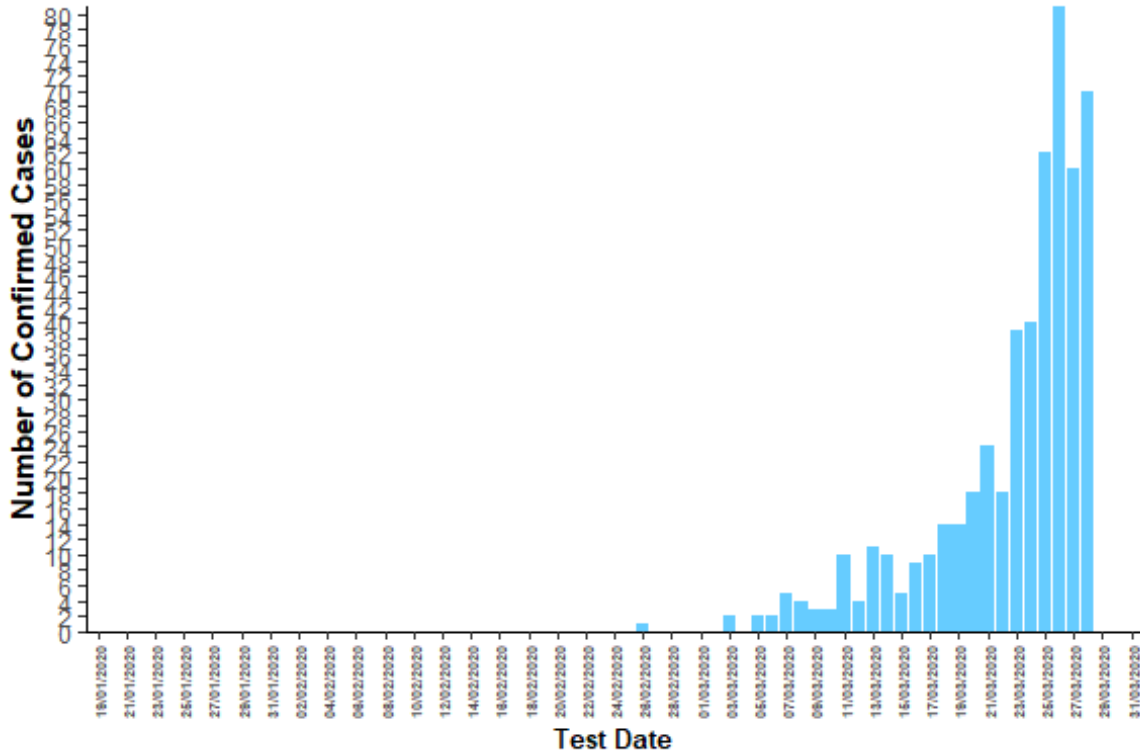
Trust	Number of Total Tests
BHSCT	2138
SEHSCT	1227
NHSCT	586
SHSCT	891
WHSCT	516
NIAS	56
Other	123
Unknown	4
<b>Total</b>	<b>5541</b>

Table 1 describes the distribution of tests according to where the specimen was taken. Other includes tests conducted by Public Health England (prior to introduction of local testing), and also includes testing from pathology services, GPs and hospices.

**Table 2 SARS-COV2 test outcome, in Northern Ireland**

COVID-19 Testing indicator	Number
Number of Individuals tested for SARS-COV2 Virus	5541
Number of Individuals testing positive for SARS-COV2 Virus	533
Number of Individuals testing negative for SARS-COV2 Virus	4995
Number of Individuals with indeterminate result for SARS-COV2 Virus	13

## 2. Surveillance of Laboratory Confirmed COVID-19 Cases



**Figure 2: Daily number of new confirmed cases of COVID-19 by test date**

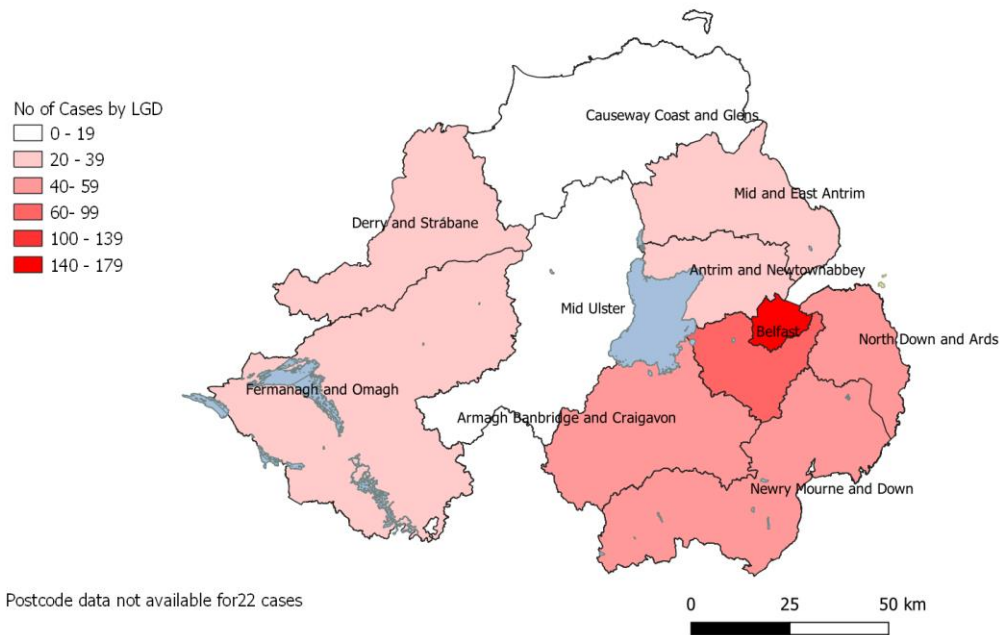
Figure 2 outlines the number of laboratory confirmed cases by test date. Data shown to 28 March as not all samples taken yesterday have been processed.

The first laboratory confirmed case of COVID-19 was reported on the 25 February 2020 (test date 24 February). As of 30 March, there have been a total of 533 cases.

**Table 2 Age and gender characteristics for positive COVID-19 cases**

Case Characteristics		Number	(%)
Age	0 to 44	175	33%
	45 to 69	195	37%
	70+	163	31%
Sex	F	261	49%
	M	272	51%

**Number of laboratory confirmed cases of COVID-19 by Local Government District**



**Figure 3: Location of confirmed COVID-19 cases by Local Government District (LGD) in Northern Ireland**

Figure 3 outlines the geographical distribution of confirmed COVID-19 cases across Northern Ireland.

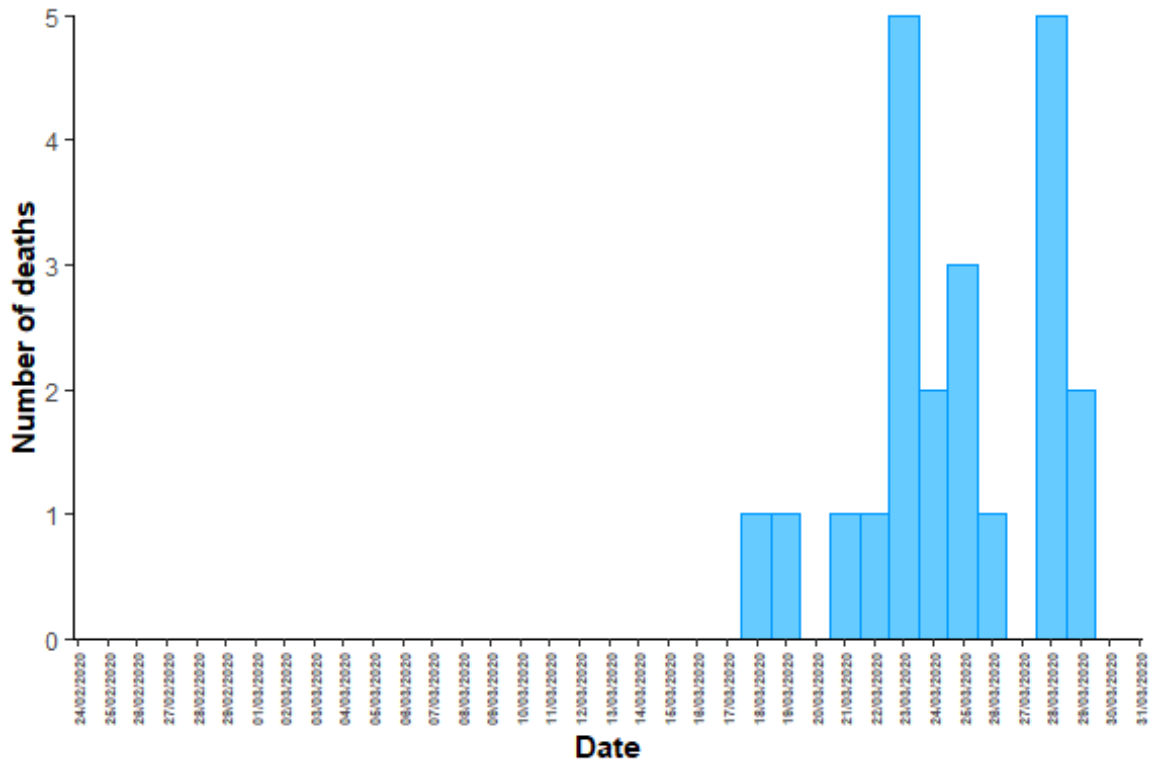
\*Please do not directly compare LGD shades to previous bulletins. The numbers of cases by LGD are increasing and as such the categories listed will broaden which may result in changes to the map shading

**Table 3 Cumulative number of positive COVID-19 cases by LGD**

Local Government District	Number
ANTRIM AND NEWTOWNABBEY	34
ARMAGH, BANBRIDGE AND CRAIGAVON	53
BELFAST	160
CAUSEWAY COAST AND GLENS	11
DERRY AND STRABANE	23
FERMANAGH AND OMAGH	27
LISBURN AND CASTLEREAGH	66
MID AND EAST ANTRIM	28
MID ULSTER	16
NEWRY, MOURNE AND DOWN	41
NORTH DOWN AND ARDS	52
UNKNOWN	22
<b>TOTAL</b>	<b>553</b>



### 3. Surveillance of deaths associated with COVID-19



**Figure 5: Number of deaths associated with COVID-19, in Northern Ireland**

The definition of a death associated with COVID-19 is an individual who has died within 28 days of a positive SARS-COV2 test. This is currently reported to the PHA by HSC Trusts ( $n^{\text{total}}=22$ ).