

- 1 Introduction**
- 2 Trends**
- 3 Age and gender**
- 4 Episode of infection**
- 5 Test type**
- 6 Deaths**
- 7 Additional information**

# COVID-19 Epidemiology Report

NHS Highland Public Health Intelligence Team

12 May, 2022



## 1 Introduction

From the 1st of May 2022, national testing policy (<https://www.gov.scot/publications/test-protect-transition-plan/>) for COVID-19 changes from population level symptomatic testing to targeted testing for clinical care and high risk settings. As a consequence, Public Health Scotland (PHS) caution that 'the quantity and quality (<https://publichealthscotland.scot/news/2022/may/update-to-reporting-of-covid-19-statistics/>) of the data available to report on COVID-19 is increasingly limited' for the purposes of population surveillance.

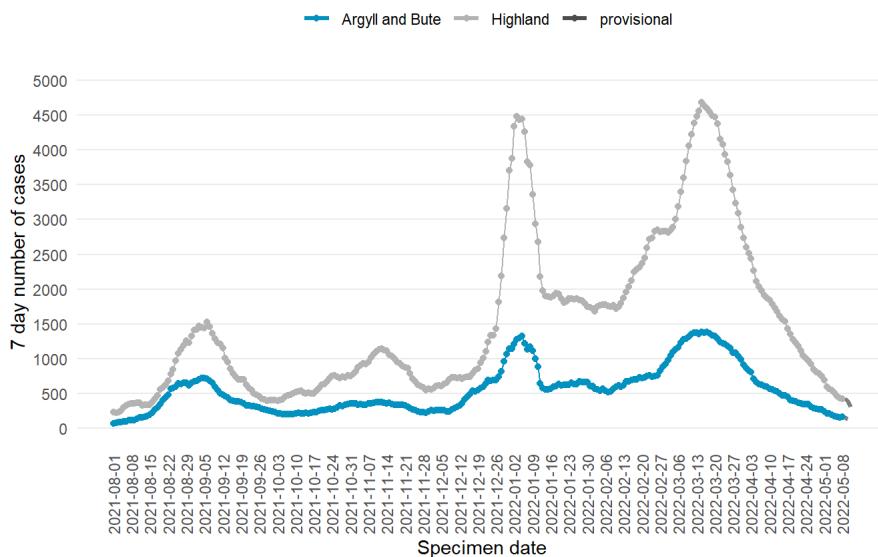
Moving forward, targeted testing will remain an important component of wider surveillance of COVID-19. The content and frequency of this publication will therefore be reviewed over the coming weeks.

Note that from the 5th of January 2022 the national case definition includes cases identified by either PCR test, LFD test, or both.

- Cases are assigned to geographies using the postcode recorded at the time of testing or, if that is not available, by the postcode of the usual residence derived from the Community Health Index database.
- The time necessary to process and submit testing data means that tests carried out in the most recent two to three days will be incomplete.
- The seven-day figures in the report are presented with a lag to try and ensure that a complete period of data are provided.

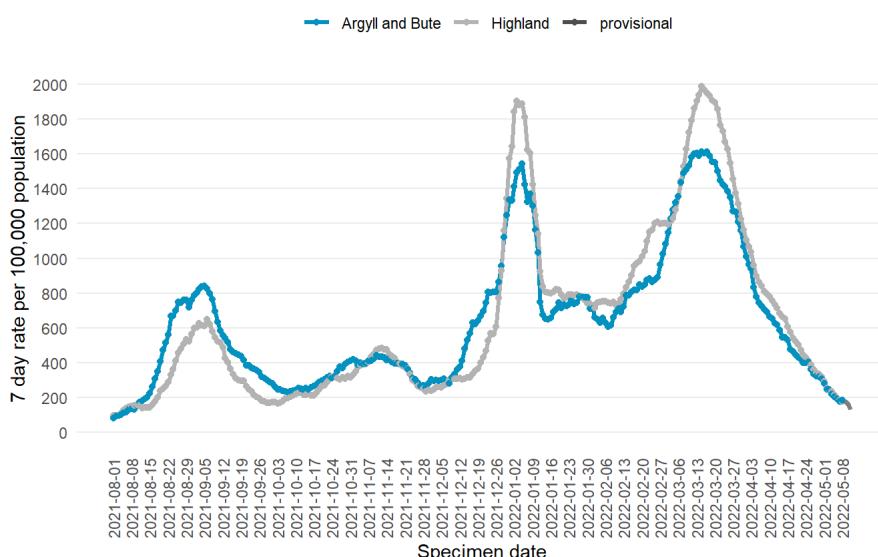
## 2 Trends

Figure 1: Number of cases over seven days



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Figure 2: Rate per 100,000 population over seven days

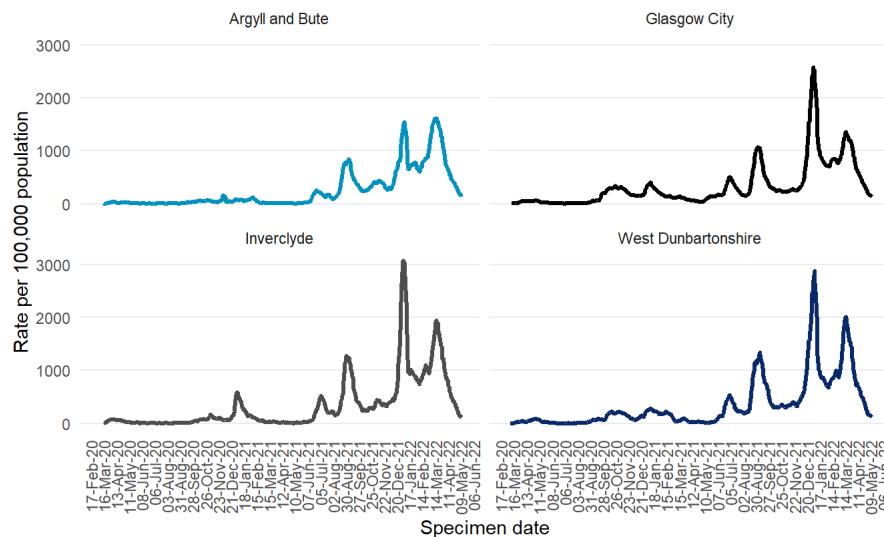


Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

## 2.0.1 Local Authorities

Figure 3: Rate per 100,000 over seven days - Argyll & Bute

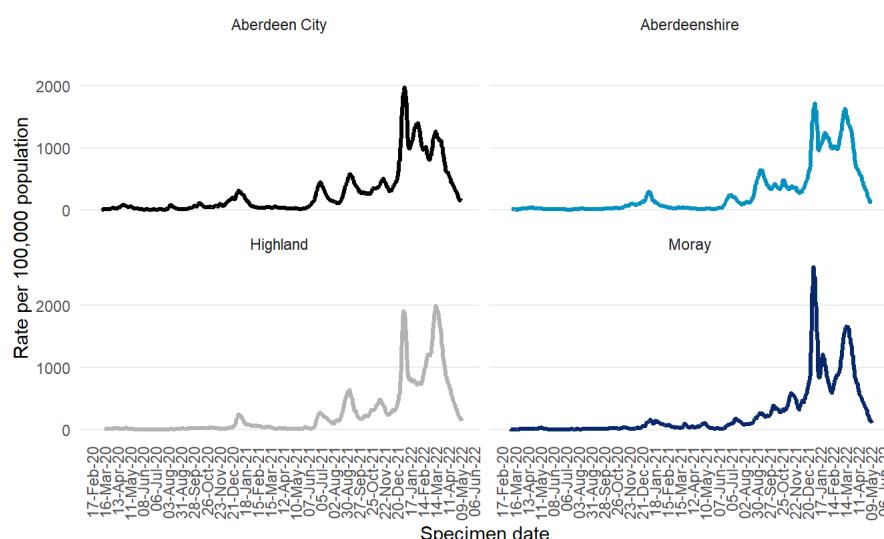
Comparison with selected neighbouring Local Authorities



Data source: Public Health Scotland Daily, COVID-19 Cases in Scotland (Open Data)

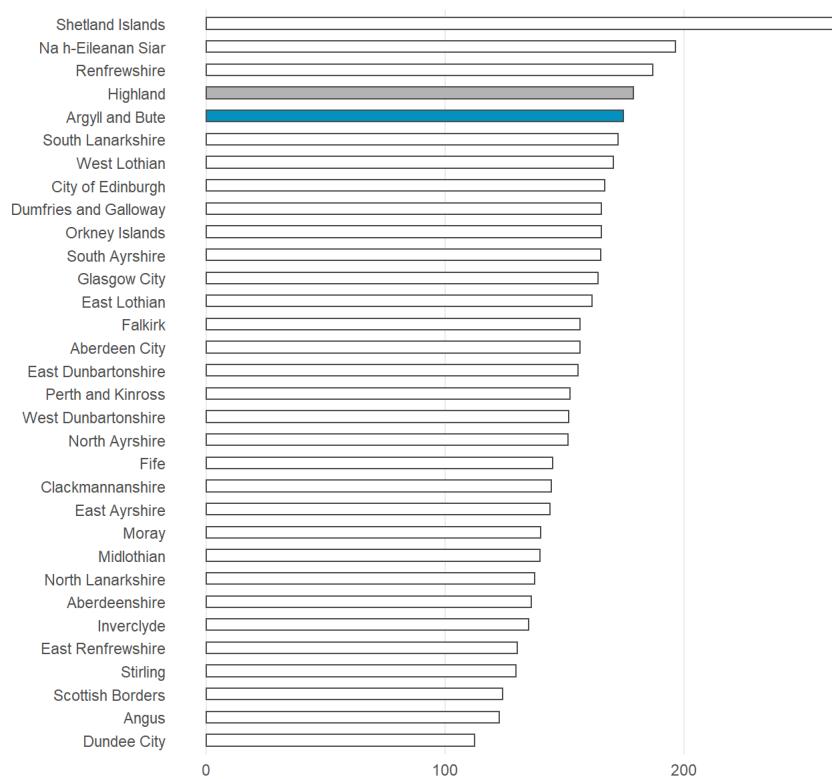
Figure 4: Rate per 100,000 over seven days - Highland

Comparison with selected neighbouring Local Authorities



Data source: Public Health Scotland Daily, COVID-19 Cases in Scotland (Open Data)

Figure 5: 7 day rate per 100,000, week ending 09 May, 2022



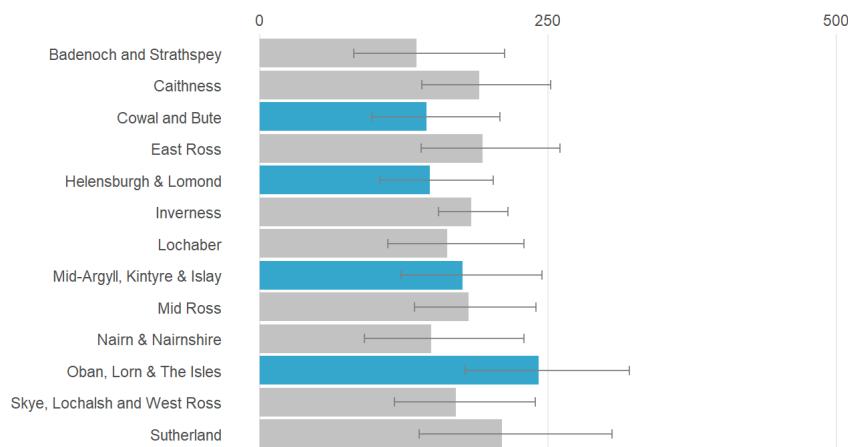
Data source: Public Health Scotland Daily, COVID-19 Cases in Scotland (Open Data)

## 2.0.2 Localities and Community Partnerships

Figure 6: Rate per 100,000 population in the most recent week

03 May, 2022 to 09 May, 2022

 Argyll & Bute  Highland

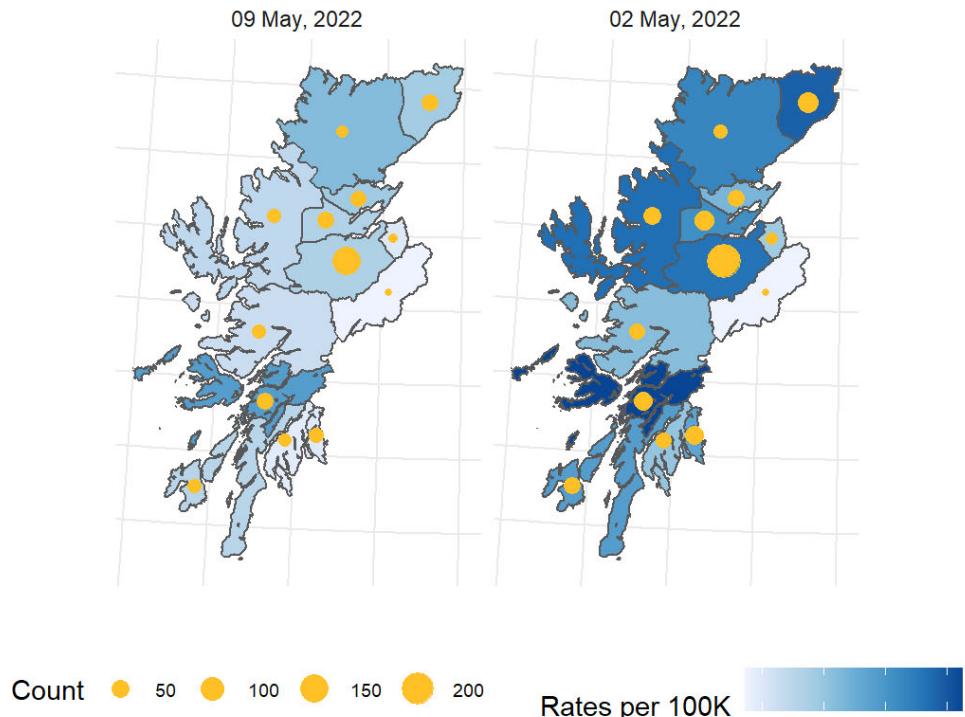


Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

**Figure 7: Cases in the most recent week (w/e 09 May, 2022) compared to the previous week (w/e 02 May, 2022)**

Council	Locality / Community Partnership	Recent Week Cases	Previous Week Cases	Difference	Recent Week Rate per 100,000 population	Previous Week Rate per 100,000 population
▼ Argyll & Bute (4)		150	210	-60	175.6	245.8
	Cowal and Bute	29	40	-11	145	200
	Helensburgh & Lomond	38	60	-22	148	233
	Mid-Argyll, Kintyre & Islay	35	48	-13	176	242
▼ Highland (9)	Oban, Lorn & The Isles	48	62	-14	242	312
		421	595	-174	178.8	252.7
	Badenoch and Strathspey	19	19	0	136	136
	Caithness	48	74	-26	191	294
	East Ross	43	48	-5	194	216
	Inverness	150	229	-79	184	280
	Lochaber	32	41	-9	163	208
	Mid Ross	49	69	-20	181	256
	Nairn & Nairnshire	20	26	-6	149	193
	Skye, Lochalsh and West Ross	33	55	-22	170	284
	Sutherland	27	34	-7	210	265

**Figure 8: Maps of cases in the most recent 2 weeks**  
Week ending 09 May 2022 compared to the previous week ending 02 May 2022



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Figure 9: Scatter plot of rate per 100,000 population

Week ending 09 May 2022, compared to the previous week, Week ending 02 May 2022

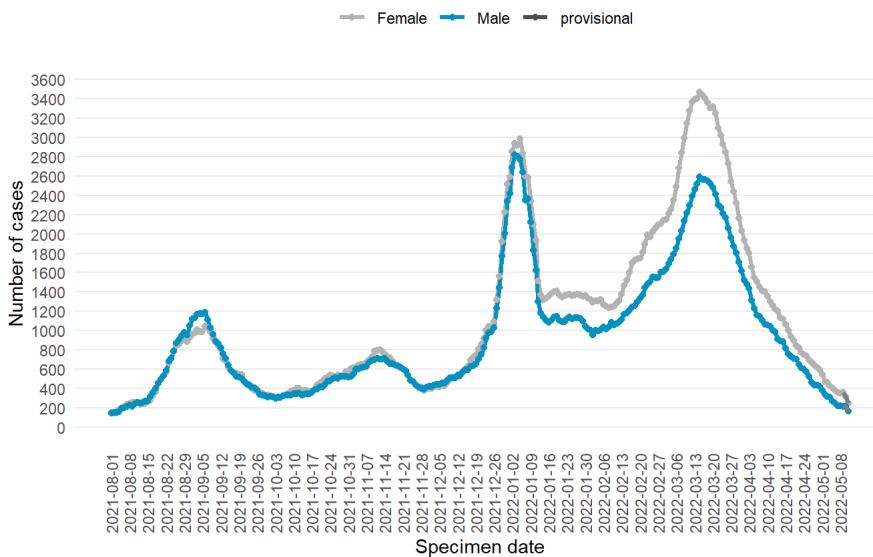


Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Grey lines represent the weekly median rates

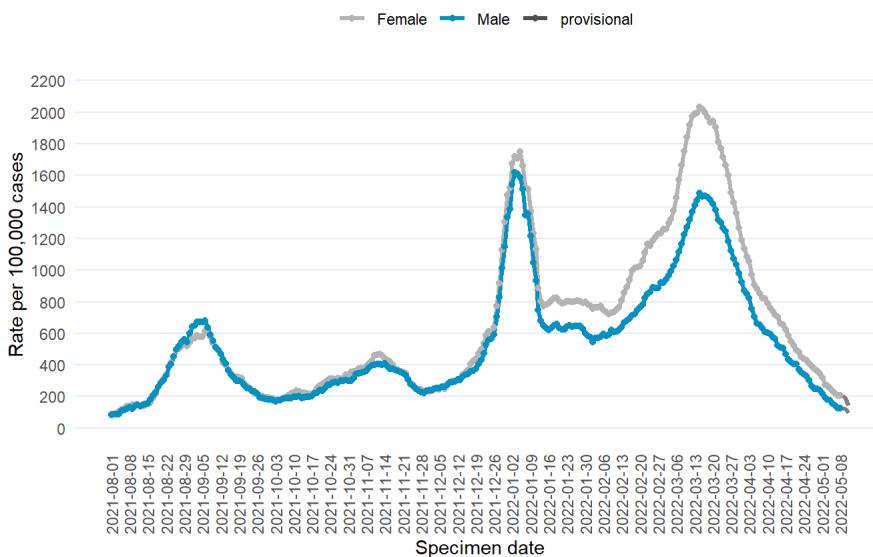
### 3 Age and gender

Figure 10: Number of cases over seven days by gender, NHS Highland



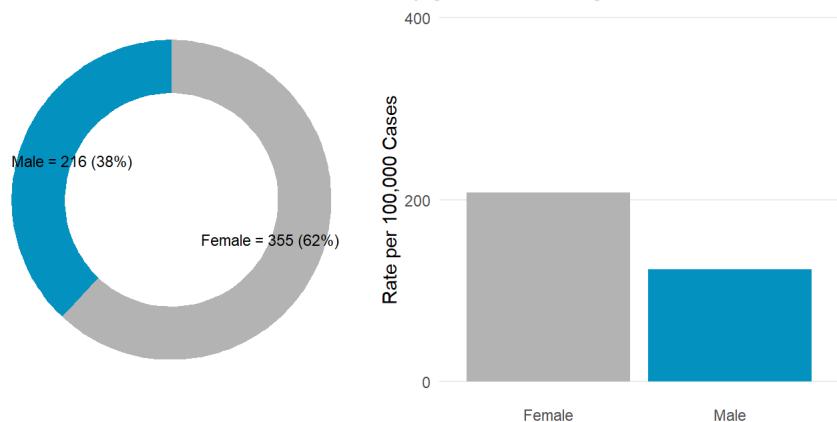
Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Figure 11: Rate per 100,000 population over seven days by gender, NHS Highland



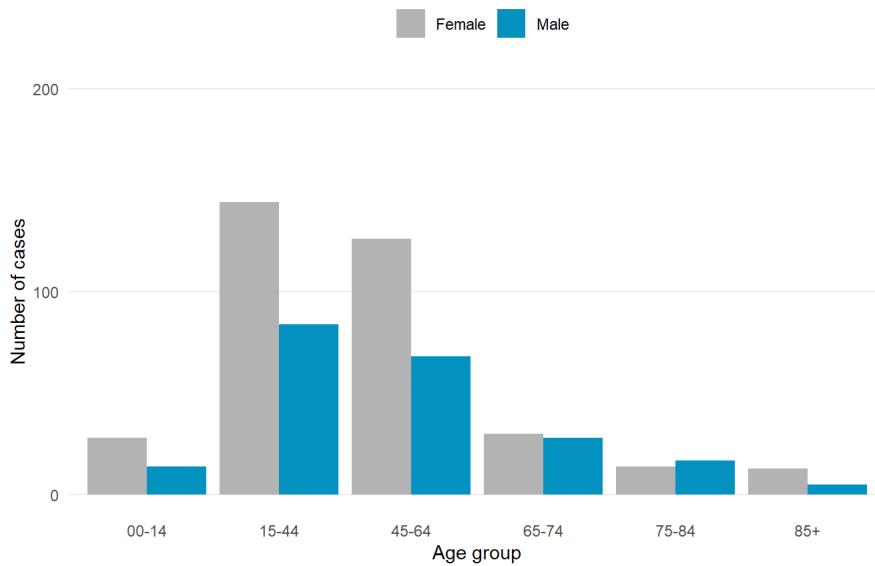
Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Figure 12: Cases in the most recent week by gender, NHS Highland



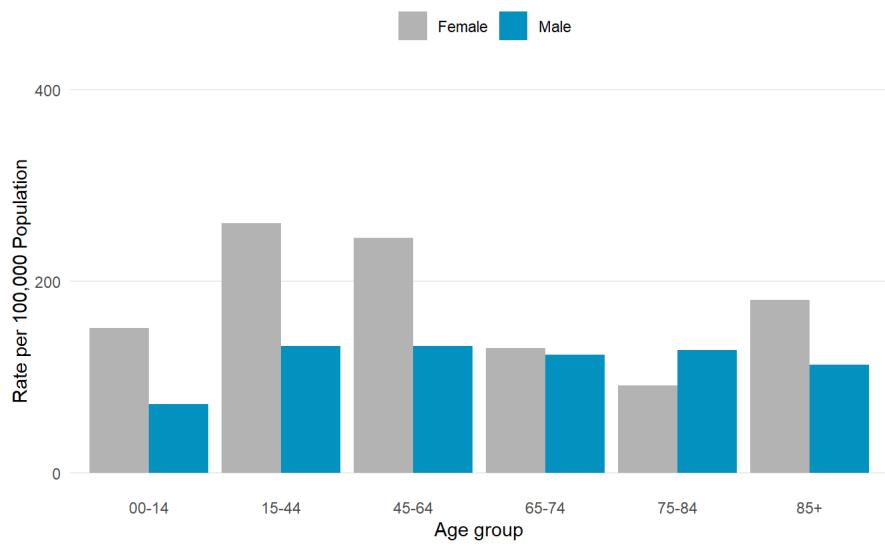
Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Figure 13: Number of cases in the most recent week, by age, NHS Highland



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

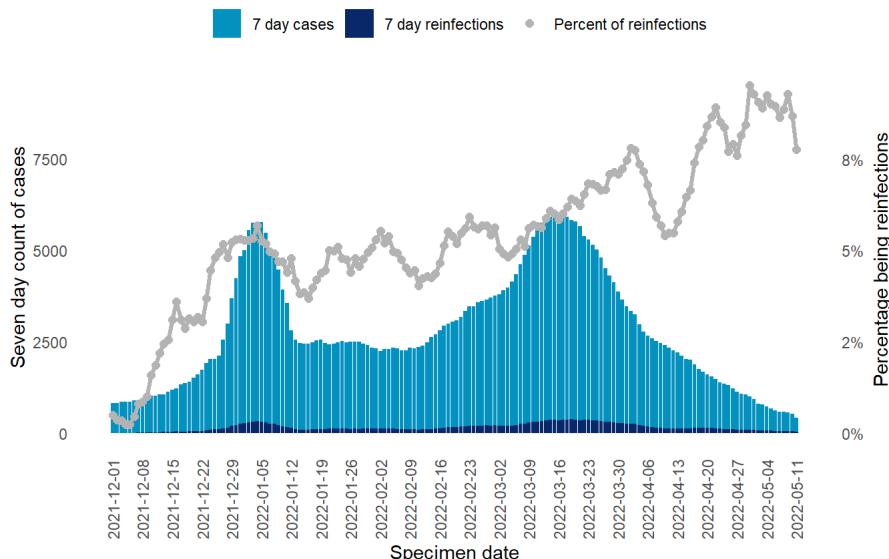
Figure 14: Rate per 100,000 in the most recent week, by age,  
NHS Highland



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

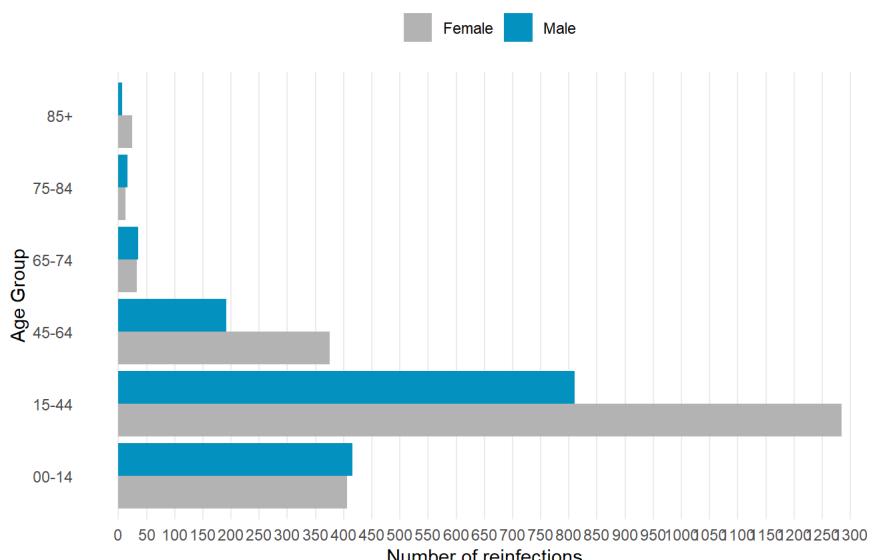
#### 4 Episode of infection

Figure 15: Cases over seven days by episode and reinfection rate, NHS Highland



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

Figure 16: Number of reinfections by age and gender from 1 Dec 2021, NHS Highland



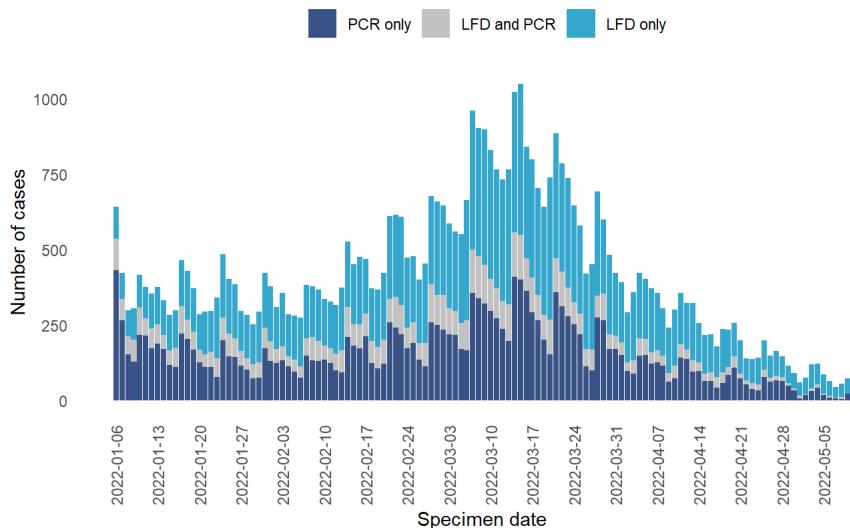
Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

**Figure 17: Rates of reinfection in Localities and Community Partnerships from 1 December 2021**

Council ↑	Locality / Community Partnership ↑	Reinfection Rate per 100,000 population
▼ Argyll & Bute (4)		1,231.4
	Cowal and Bute	1 050
	Helensburgh & Lomond	1 819
	Mid-Argyll, Kintyre & Islay	558
	Oban, Lorn & The Isles	1 325
▼ Highland (9)		1,086.5
	Badenoch and Strathspey	1 010
	Caithness	698
	East Ross	1 202
	Inverness	1 485
	Lochaber	1 082
	Mid Ross	1 181
	Nairn & Nairnshire	691
	Skye, Lochalsh and West Ross	391
	Sutherland	459

## 5 Test type

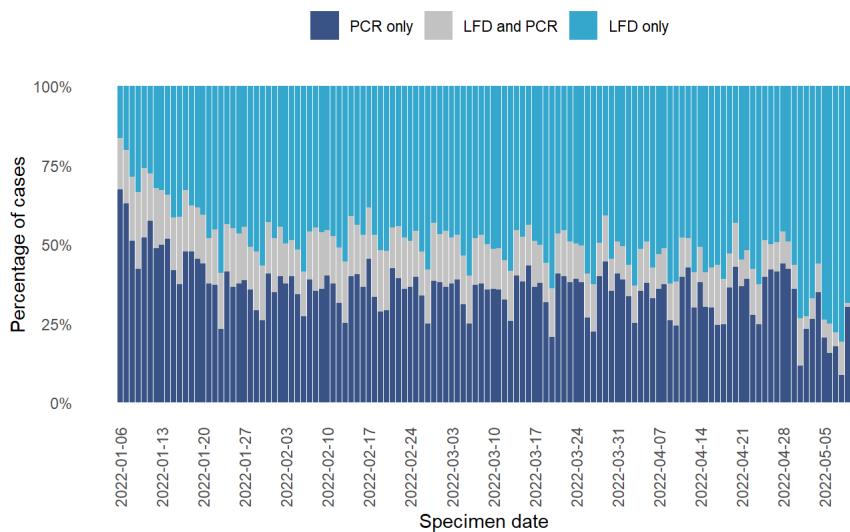
Figure 18: Number of cases by test type, NHS Highland



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse.

Cases can move between the categories as testing is completed, but are only counted once.

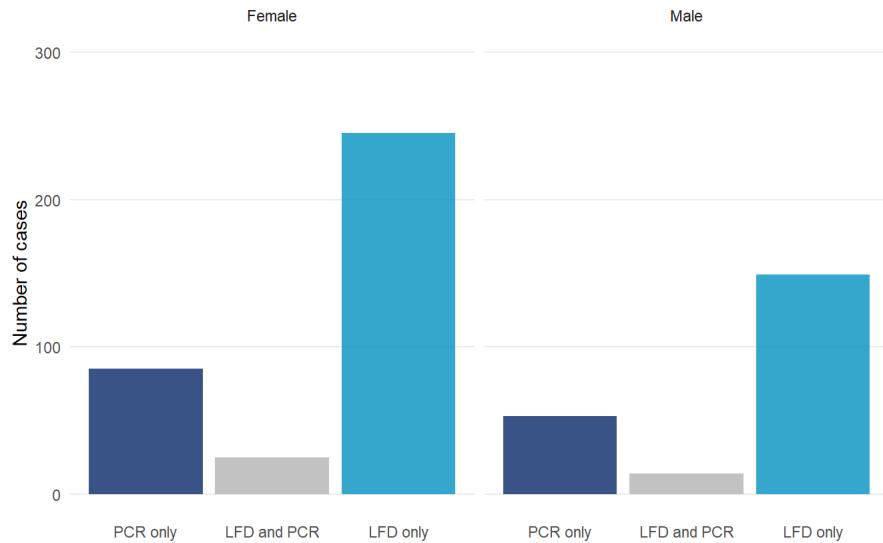
Figure 19: Percentage of cases by test type, NHS Highland



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse.

Cases can move between the categories as testing is completed, but are only counted once.

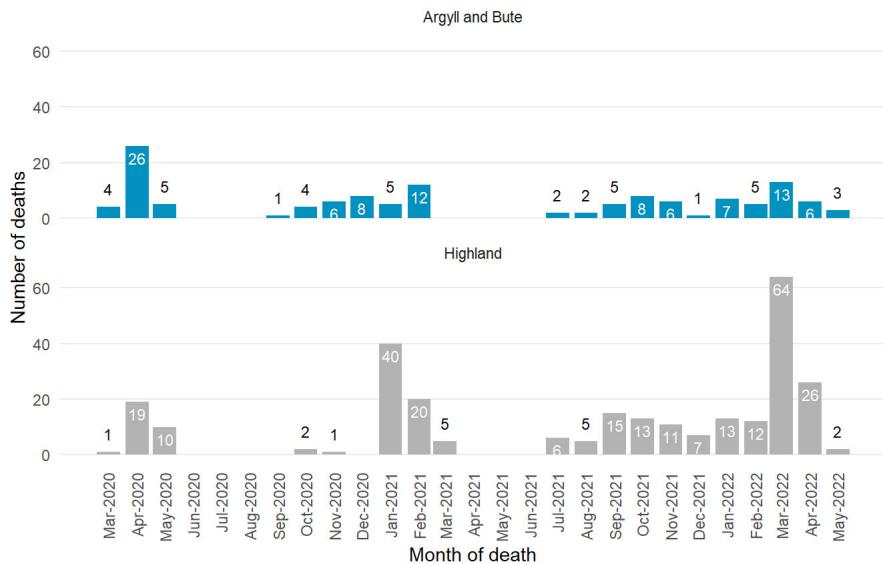
Figure 20: Number of cases by test type and gender, NHS Highland



Data source: NSS Test and Protect Data Virtualisation layer, NHS Highland data warehouse

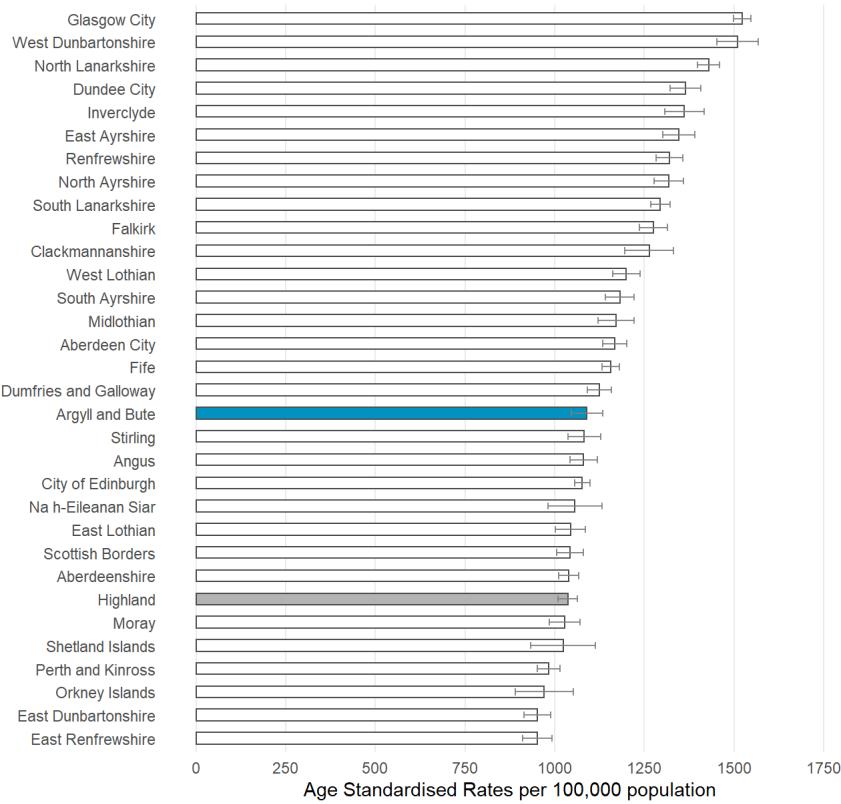
## 6 Deaths

Figure 21: Number of deaths (COVID-19 confirmed)



Data source: Public Health Scotland Daily, COVID-19 Cases in Scotland (Open Data)

Figure 22: Age standardised rates for deaths involving COVID-19  
 Scottish Local Authorities from 1 March 2020 to 31 December 2021



Data source: National Records of Scotland, Deaths involving COVID-19

## **7 Additional information**

ONS Coronavirus (COVID-19) Infection survey (<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionssurveypilot/latest>), containing high level estimates for England, Wales, Northern Ireland and Scotland

Public Health Scotland COVID-19 daily cases in Scotland dashboard (<https://publichealthscotland.scot/our-areas-of-work/covid-19/covid-19-data-and-intelligence/covid-19-daily-cases-in-scotland-dashboard/overview-of-the-daily-covid-19-data-dashboard/>) (updated Monday to Friday) with the latest available figures on Coronavirus (COVID-19) in Scotland (positive cases number of tests carried out, deaths of people with a positive test, COVID-19 vaccination rates)

Public Health Scotland COVID-19 & Winter Statistical Report (weekly) (<https://publichealthscotland.scot/publications/show-all-releases?id=20580>) draws insights from a wider range of existing metrics around COVID-19 and winter pressures

ONS Coronavirus (COVID-19) Infection Survey (<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionssurveycharacteristicsof-associated-with-testing-positive-uk>), characteristics of people testing positive for COVID-19

Modelling the COVID-19 epidemic in Scotland (weekly) (<https://www.gov.scot/collections/coronavirus-covid-19-modelling-the-epidemic/>) including the spread of the disease through the population (epidemiological modelling) and the demands it will place on the system

Coronavirus (COVID-19): state of the epidemic in Scotland (weekly) () brings together different sources of evidence and data about the coronavirus epidemic to summarise the current situation