

COVID-19 and education surveillance report

This report is commissioned by Scottish Government for management purposes

OFFICIAL SENSITIVE – COVID-19 Education Surveillance Report

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Report: 59 – Week 41 (11/10/2021 – 17/10/2021)

Date: 20/10/2021

FAO: Scottish Government, Directors of Public Health

New content in red



1. COVID-19 vaccination uptake

COVID-19 vaccination uptake in educational age groups

- As at **19 October 2021**:
 - **74.1%** of 16-17 year olds in Scotland have taken up their first dose, with **14.2%** having received their second*.
 - **48.2%** of 12 to 15 year olds in population have received their first dose.**
 - **69.3%** of 12 to 15 year olds at higher risk of COVID-19*** have received their first dose, with **11.7%** having had their second.
- Children aged 12 to 15 who live with an immunosuppressed person are also eligible for COVID-19 vaccination. However, vaccination uptake figures for this group are not available.

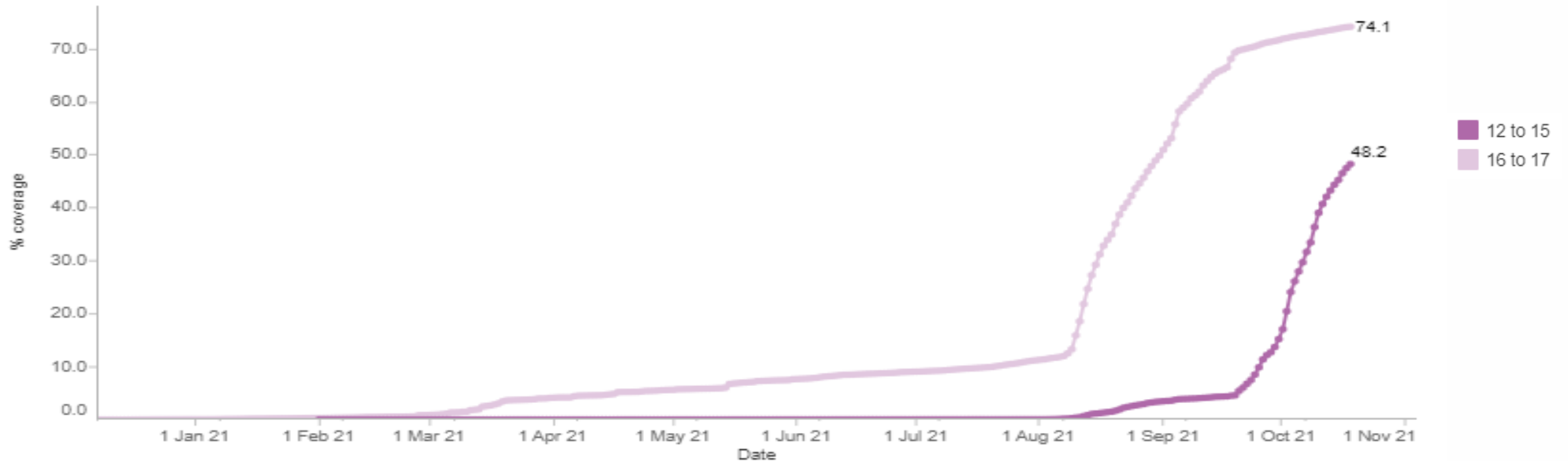
*Note, at present only those 16-17 year olds at higher risk from COVID-19 are offered a second dose.

**Includes 12-15 year olds at risk. Only those 12-15 year olds who are at higher risk from COVID-19 are offered a second dose.

*****12-15 year old at risk definition:** All individuals aged 12-15 who have been identified by JCVI definitions as having conditions that put them at higher risk from coronavirus (COVID-19). This includes children and young people with severe neuro-disabilities, Down's syndrome, underlying conditions resulting in immunosuppression or a diagnosis of learning/intellectual disability. Individuals who have died since the snapshot was taken are removed from both the numerator and the denominator. The source of this data is GP Practice patient records. A snapshot was taken of this group as at July 2021.

COVID-19 vaccine uptake in educational age groups: time trends for the first dose

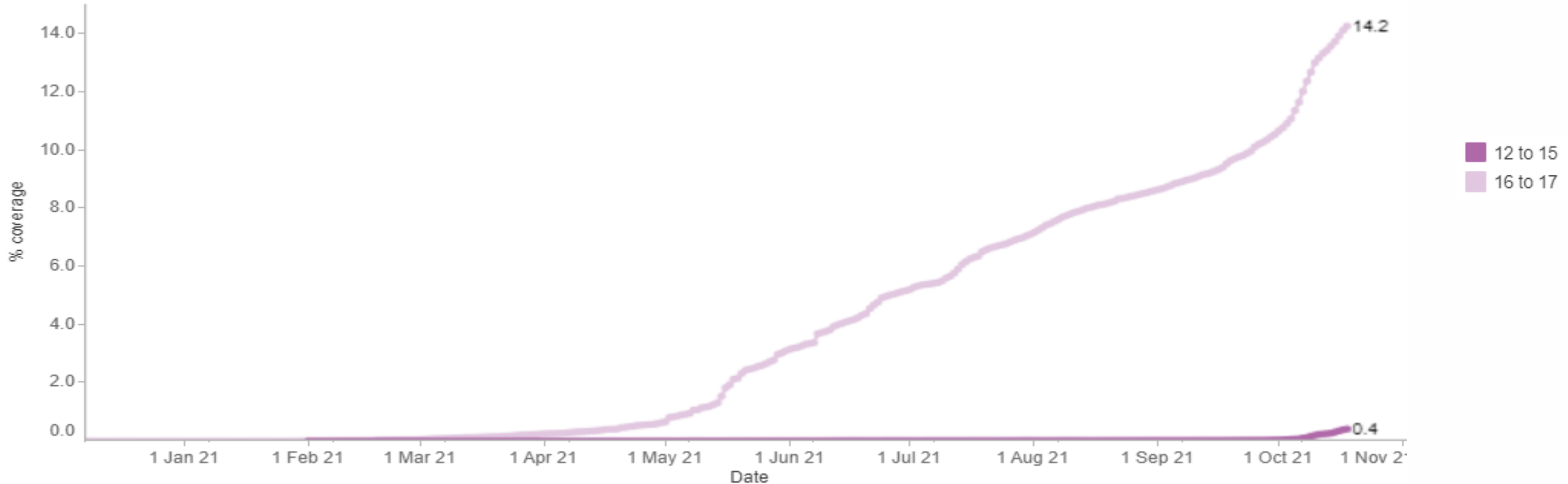
Daily cumulative total % coverage (dose 1) by age group in Scotland



Age group breakdowns use the age of the individual as at 31 August 2021. Denominator populations for age/sex groups and area breakdowns are sourced from National Records of Scotland mid-2020 estimates (the latest available).

COVID-19 vaccine uptake in educational age groups: time trends for the second dose

Daily cumulative total % coverage (dose 2) by age group in Scotland



Age group breakdowns use the age of the individual as at 31 August 2021. Denominator populations for age/sex groups and area breakdowns are sourced from National Records of Scotland mid-2020 estimates (the latest available).

2. Seroprevalence of COVID-19 antibodies

Age group seroprevalence of COVID-19 antibodies: Latest results

The estimated proportion of people with COVID-19 antibodies has been rising for the whole population. This measure reflects both previous infections and antibodies due to vaccination, and therefore will be expected to rise for adult age groups with increased vaccine coverage.

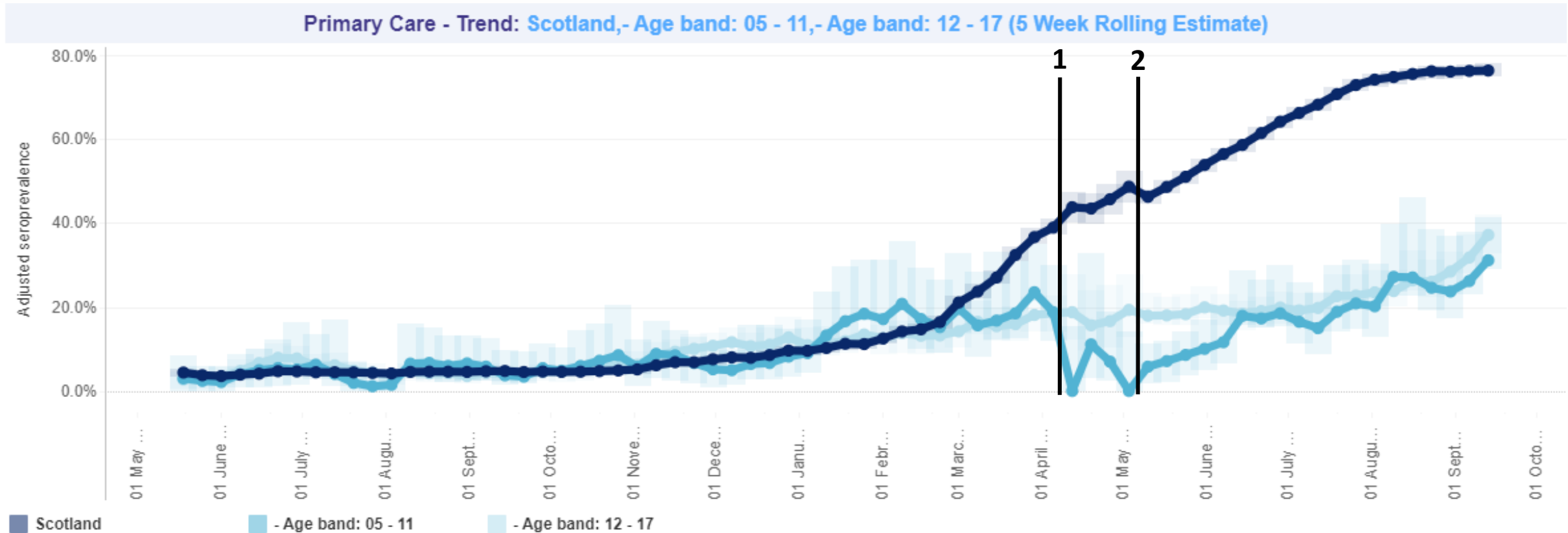
5-week rolling estimate up to week ending **19th September 2021**

	Positive results	Total	Estimate	Lower CI	Upper CI
Scotland	2,470	3,400	76.3%	74.9%	78.0%
Ages 5-11	31	136	31.1%	29.1%	41.3%
Ages 12-17	183	496	37.2%	32.8%	42.1%

These data are published and are available at:

<https://www.publichealthscotland.scot/publications/enhanced-surveillance-of-covid-19-in-scotland/>

Age group seroprevalence of COVID-19 antibodies (including from vaccination): Results over time

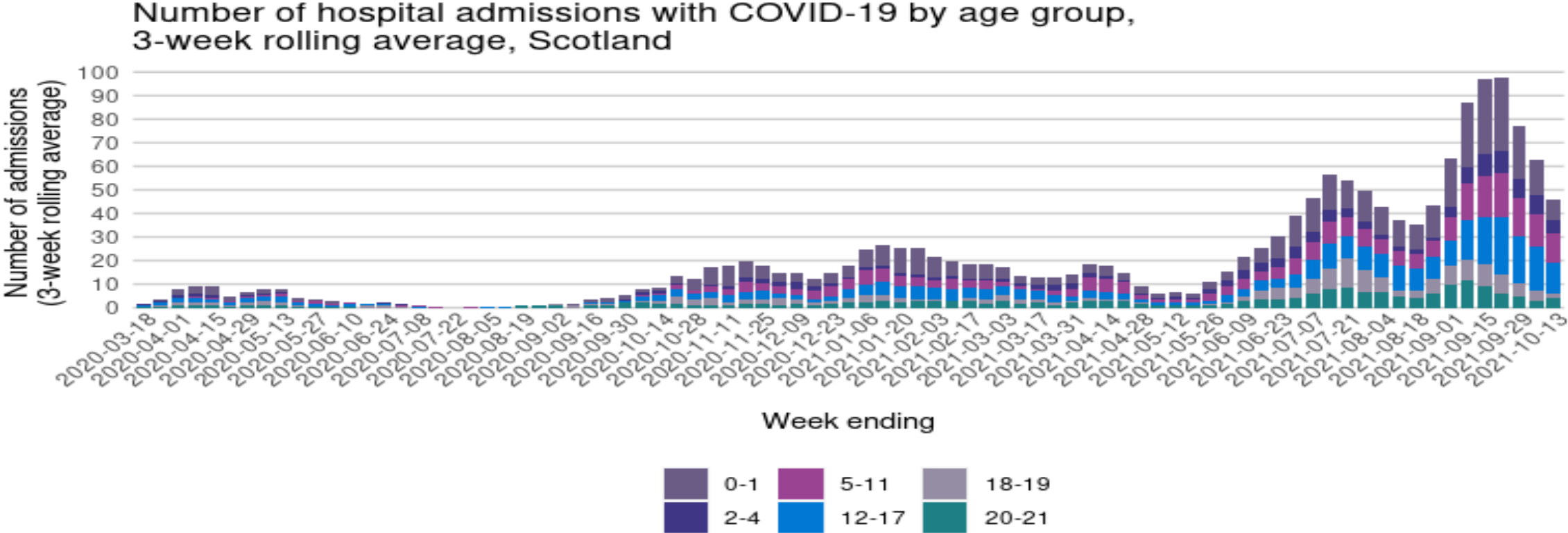


- 1 – Change in methodology
- 2 – Return to 5-week rolling averages

These data are published and are available at: <https://www.publichealthscotland.scot/publications/enhanced-surveillance-of-covid-19-in-scotland/>

3. Outcomes of infection

Admissions to hospital with COVID-19 by age group, 3-week rolling average

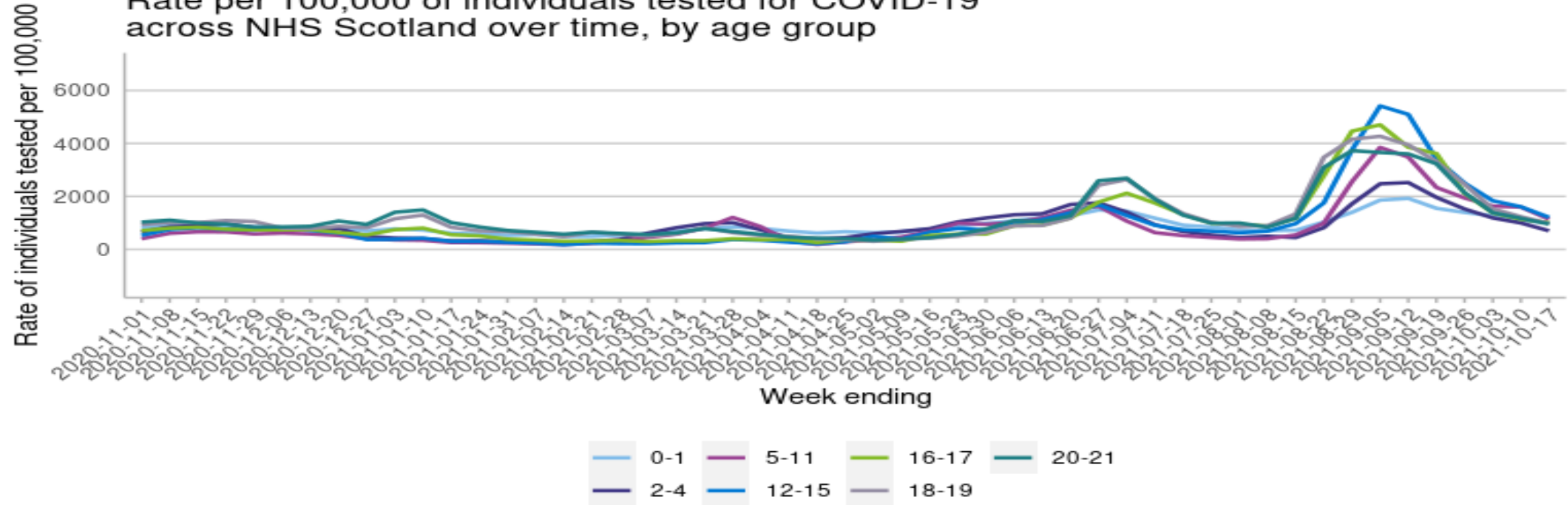


Data source: RAPID, extracted 18/10/2021. Due to issues with data returns, hospital admissions for the week ending 13 October may be an underestimate. These will be reviewed when the data returns are complete, and an update on figures will be provided in next week's report.

5. Testing for COVID-19

Rate of PCR testing by age over time

Rate per 100,000 of individuals tested for COVID-19 across NHS Scotland over time, by age group

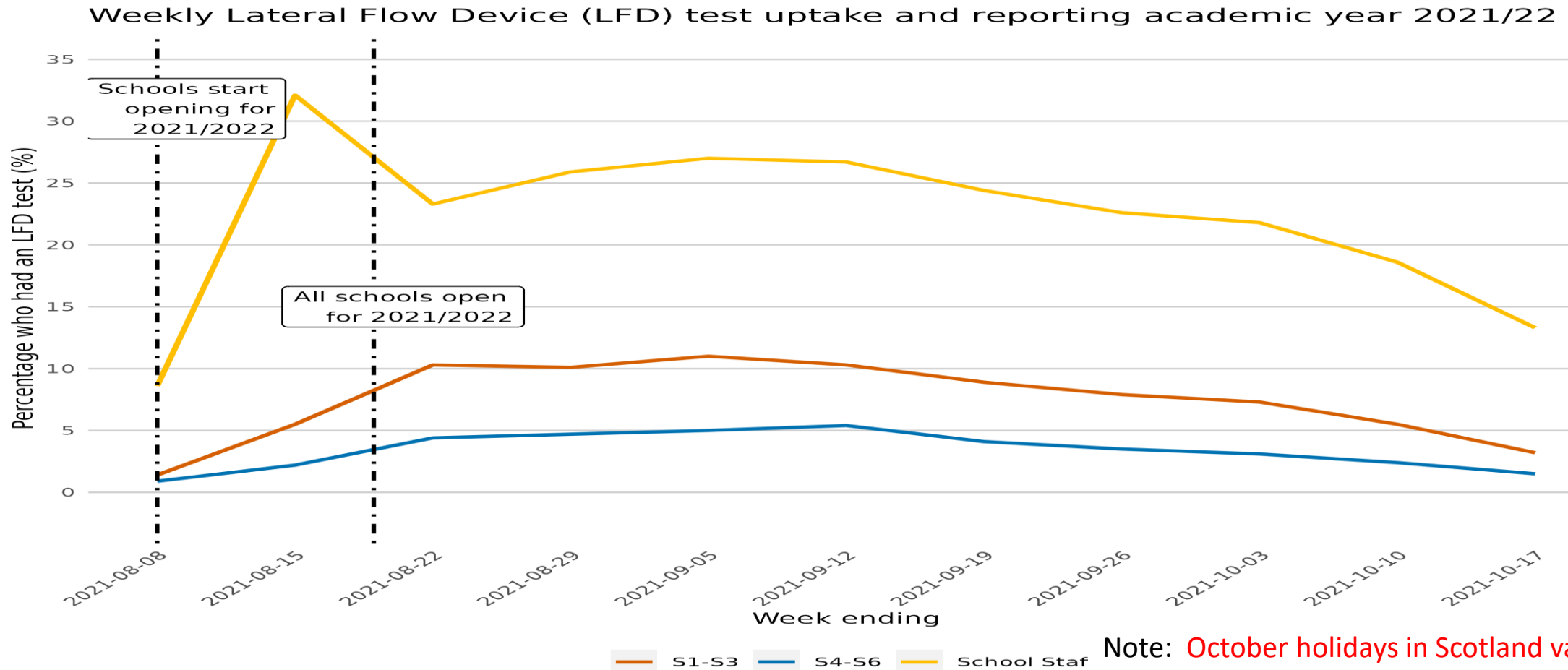


Data source: ECOSS; PHS real-time monitoring cell, extracted 20/10/2021.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Testing for COVID-19: LFD testing and reporting in schools 2021-2022

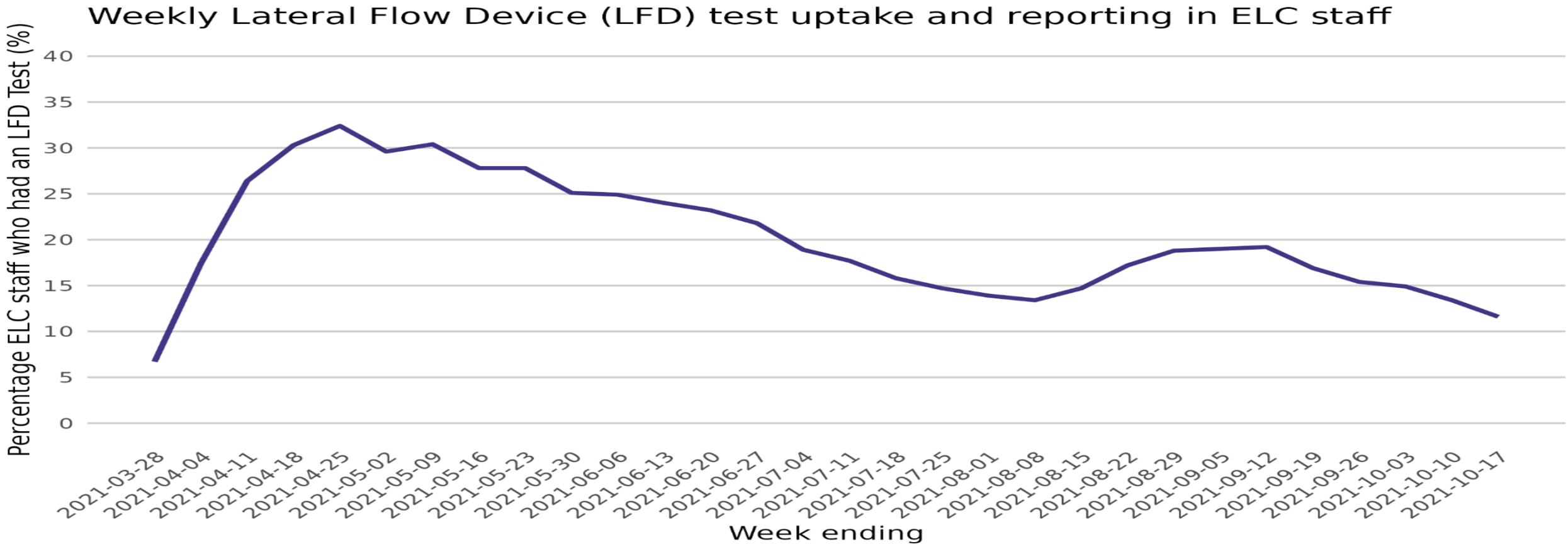


Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.

Note: October holidays in Scotland vary by local authority and span 4 October-27 October. School staff and pupils are not expected to participate in the LFD programme when not attending school. See appendices 1 to 3 for local authority level breakdowns of uptake.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>

Testing for COVID-19: LFD testing uptake and reporting in ELCs



These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>

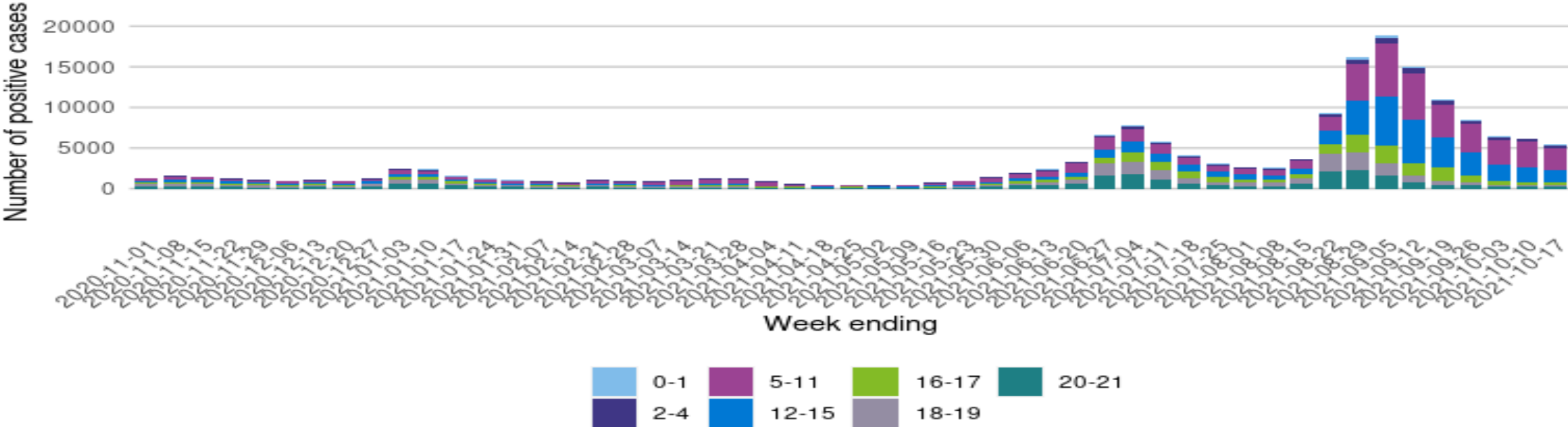
Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.



6. Testing positive for COVID-19

Total number of COVID-19 cases among children and young people

Number of positive COVID-19 cases across NHS Scotland over time, by age group



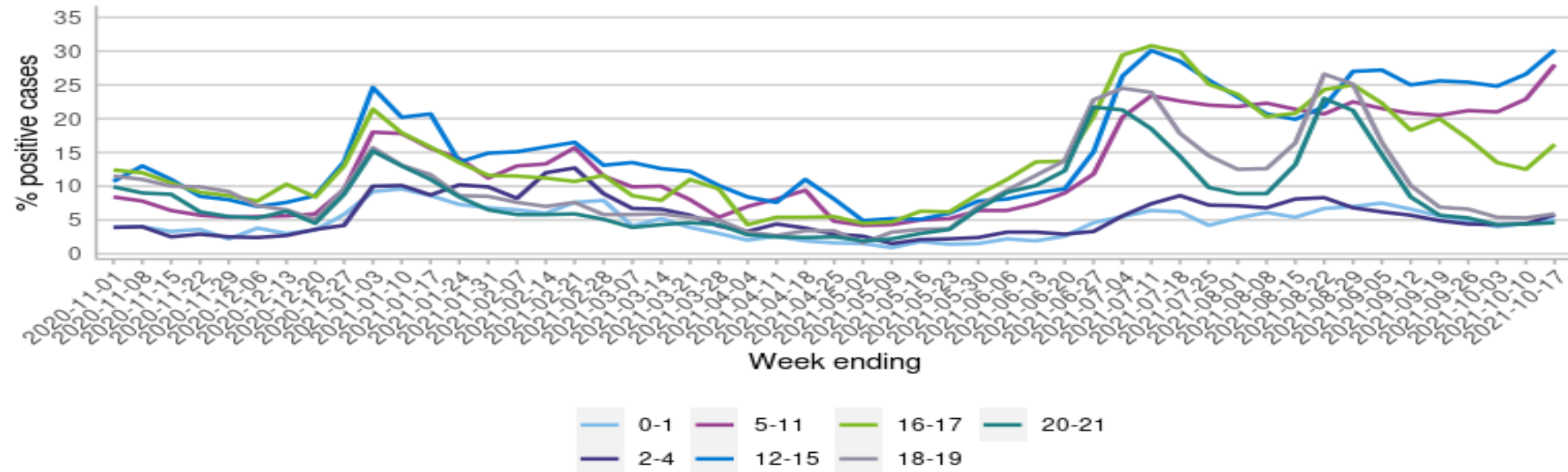
Data source: ECOS; PHS real-time monitoring cell, extracted 20/10/2021.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Proportion of tests that are positive

Percentage of tests that had a positive result for COVID-19 over time, by age group



Data source: ECOSS; PHS real-time monitoring cell, extracted 20/10/2021

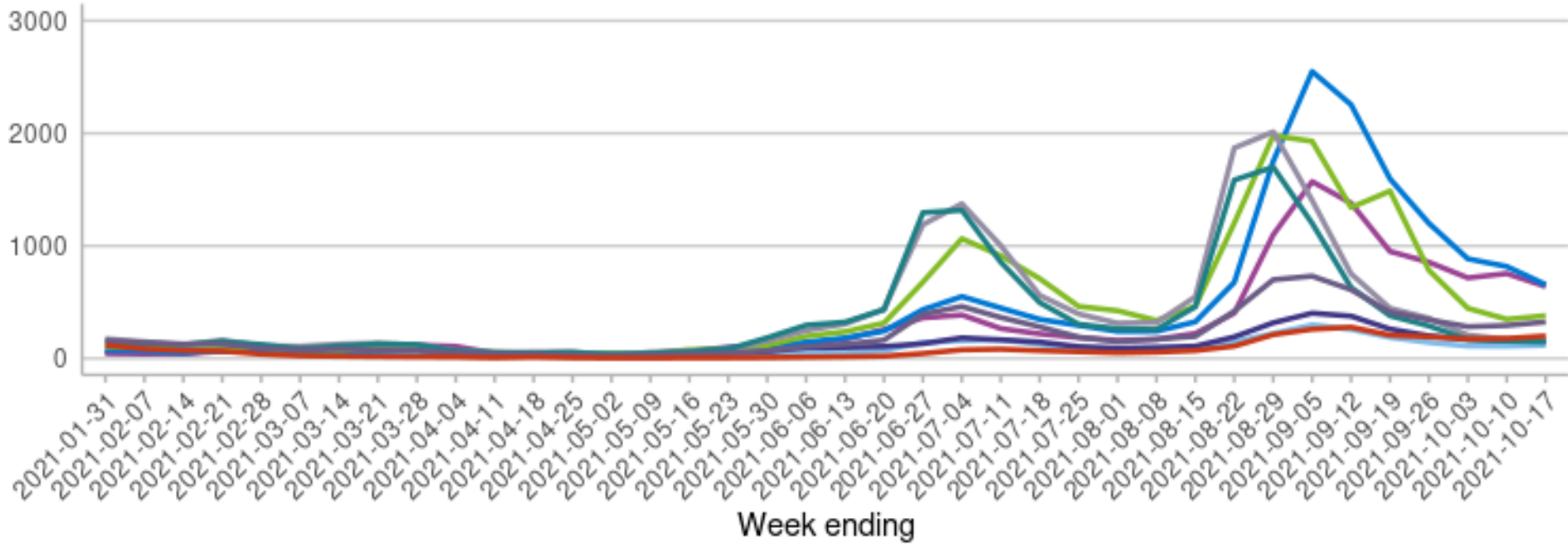
These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



7-day rate of COVID-19 cases per 100,000 population

Rate per 100,000 population of positive COVID-19 cases across NHS Scotland over time, by age group

Positive rate per 100,000 population



Rate week 40
12-15: 655.2
5-11: 638.9
16-17: 380.4
22-64: 324.4
65+: 199.6
18-19: 172.2
2-4: 155.4
20-21: 145.3
0-1: 116.4

Data source: ECOSS; PHS real-time monitoring cell, extracted 20/10/2021

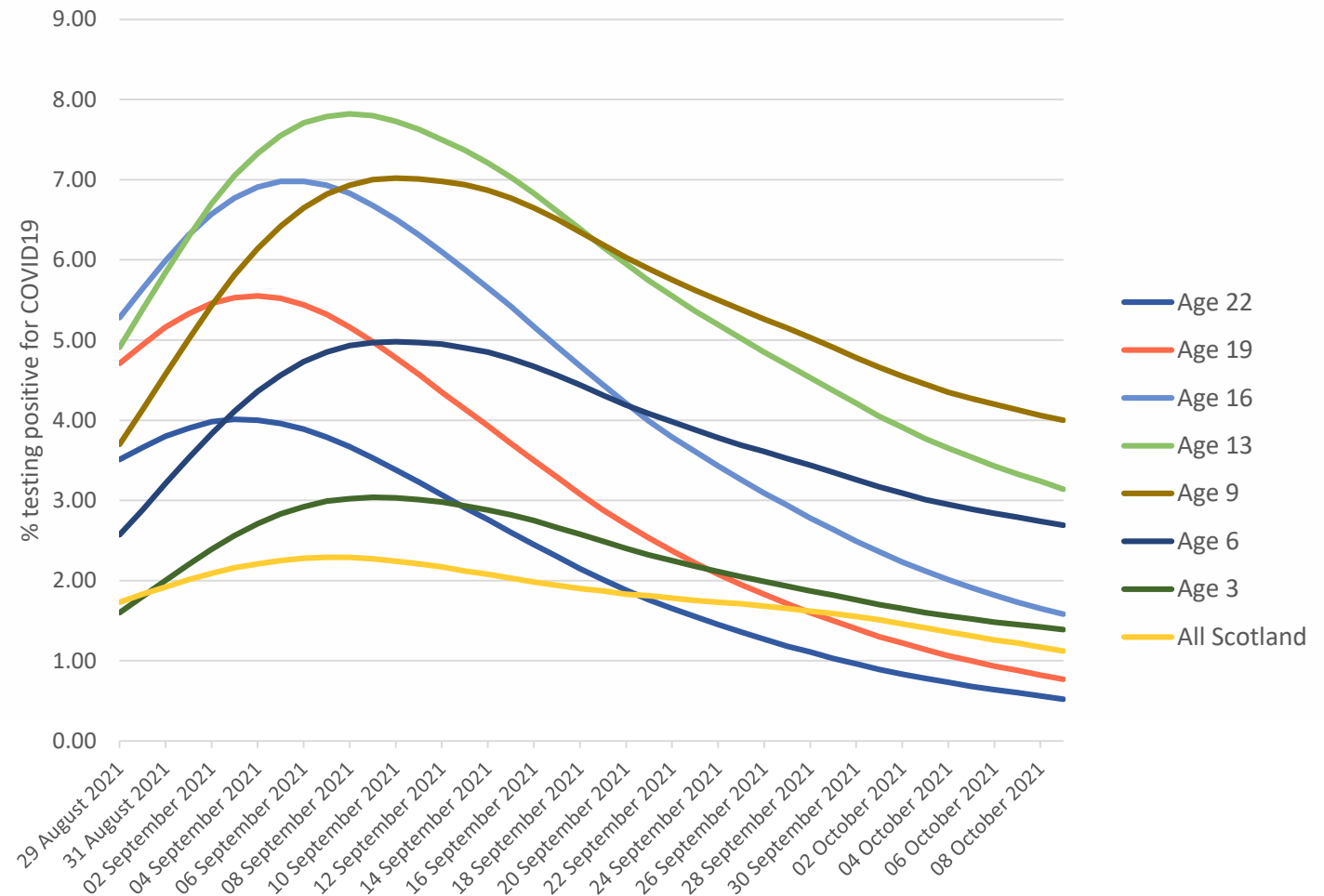
These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>

ONS Infection Survey Results - Modelled rates for COVID-19 positivity in Scotland

Modelled daily rates of the percentage of the population testing positive for COVID-19 - 09/10/21				
Age group	% positive for COVID-19	Lower 95% CI	Upper 95% CI	
3	1.39	0.45	4.27	
6	2.69	1.36	5.31	
9	4.00	2.32	6.84	
13	3.14	1.88	5.24	
16	1.58	0.90	2.76	
19	0.77	0.41	1.47	
22	0.52	0.26	1.06	
All Scotland	1.12	0.81	1.50	

Note: ONS estimates are modelled weekly, with each output including a new week of data and the last week of data removed. The model then runs to include all current data and creates trends over time. This process can result in changes to the model in each subsequent output.

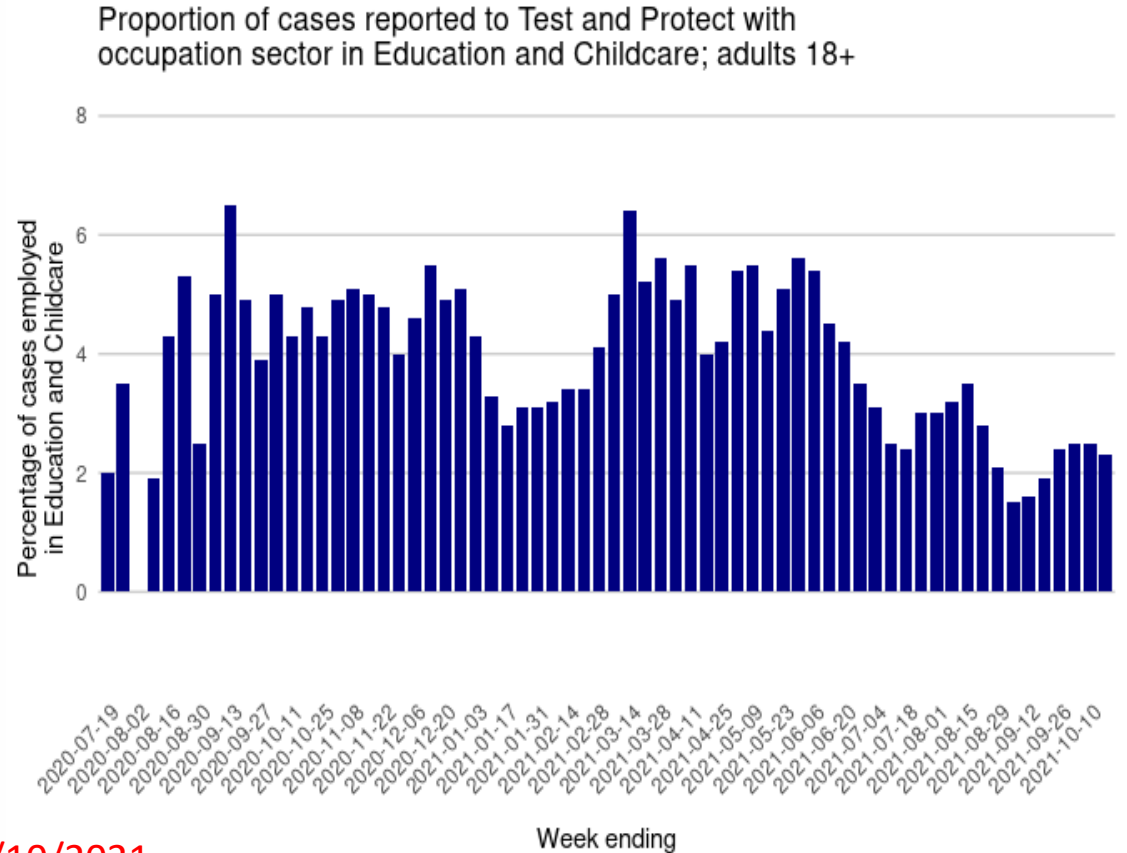
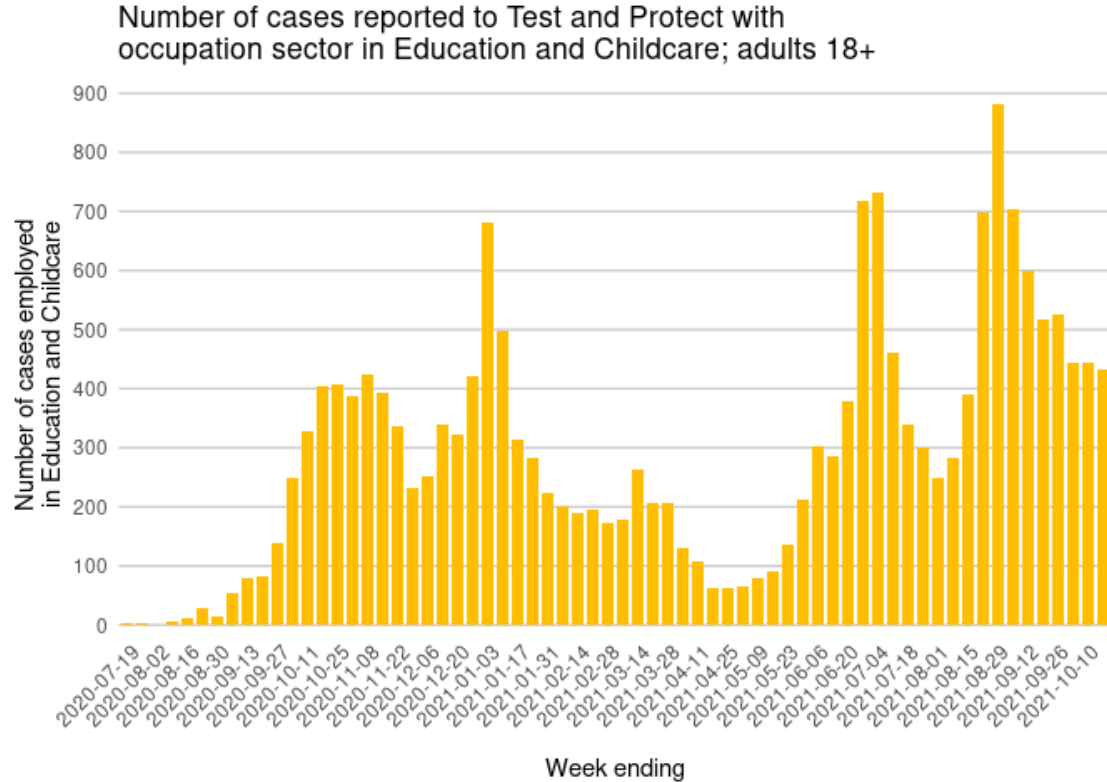
Modelled daily rates of the percentage of the population testing positive for COVID-19 by single year of age, Scotland



These data are published and are available at:

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/covid19infectionsurveyscotland>

Number and % of positive cases by occupational group, and employment status



Data source: Test & Protect Case Management System extracted 20/10/2021.

As CMS data continue to be updated after production of this report some numbers will develop.

These data are published and are available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Testing positive for COVID-19: LFD testing in schools

Since Lateral Flow Device (LFD) testing resumed in schools for academic year 2021/22 in week 31, **815,840 tests have been taken and reported**. Please note that the total column in the table on the right hand side reports figures for the new school year only.

- In week **41**, **91 (0.32%)** staff tests, **22 (0.30%)** S1-S3 tests, and **8 (0.30%)** S4-S6 tests were returned as 'Insufficient' or 'Void'.
- Since the start of the 2021-22 school year, there have been **8,754** positive tests, of which **7,032** had a positive PCR follow up (**0.86%** of all tests, **80.3%** of positives), **901** had a negative PCR follow up (**0.11%**, **10.3%**) and **821** had no follow up yet (**0.10%**, **9.4%**).

% LFD tests resulting in PCR confirmation		
	Week 41	Total 2021/22
S1-S3	1.61	1.82
S4-S6	1.22	1.59
Staff	0.60	0.39
All	0.84	0.86

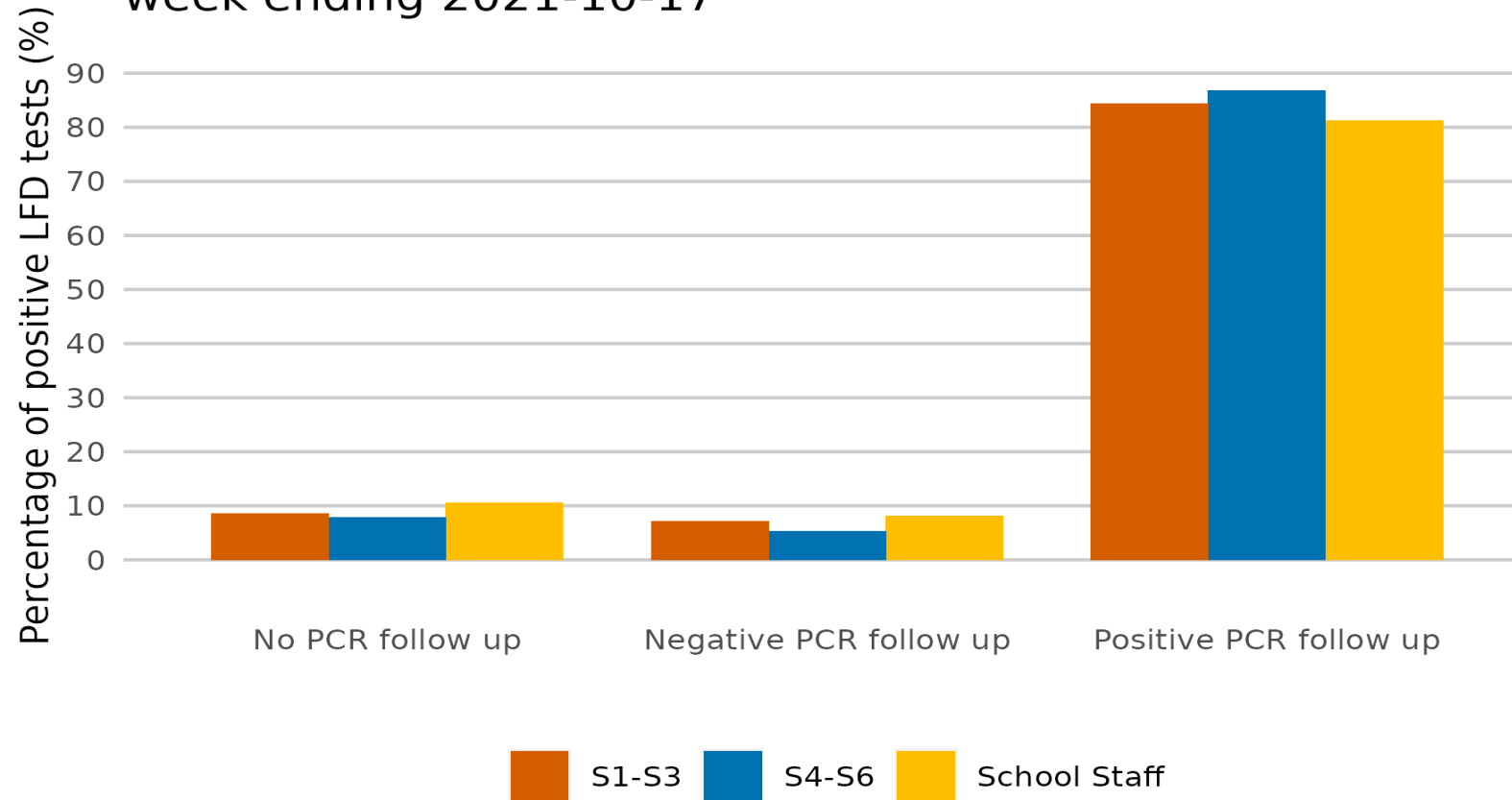
Data source: NSS Corporate Data Warehouse, extracted **20/10/2021**.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Testing positive for COVID-19: LFD testing in schools – week 41

Results from PCR follow ups on positive LFD tests, week ending 2021-10-17



In week 41, 387 LFD tests had a positive result. Of these, 321 had a positive PCR follow up (0.84% of all tests, 82.95% of positives), 29 had a negative PCR follow up (0.08%, 7.49%) and 37 had no follow up yet (0.10%, 9.56%).

Please note that for this most recent week of data there may be some follow-up PCR tests which are still being processed, and therefore the proportion not followed may be overestimated.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>

Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.



Testing positive for COVID-19: LFD testing in ELC staff

The table below shows figures on LFD test results and results from follow-up PCR tests among staff in ELC settings.

	Total LFD tests	Positive LFD tests	Inconclusive LFD tests	% Inconclusive	Positive PCR follow up (% of all LFD tests, % of positive LFD tests)	Negative PCR follow up (% of all LFD tests, % of positive LFD tests)	No PCR follow up (% of all LFD tests, % of positive LFD tests)
Week 41	4,987	28	13	0.26	23 (0.46%, 82.10%)	3 (0.06%, 10.71%)	2 (0.04%, 7.14%)
Total	262,646	936	589	0.22	629 (0.24%, 67.20%)	179 (0.07%, 19.12%)	128 (0.05%, 13.68%)

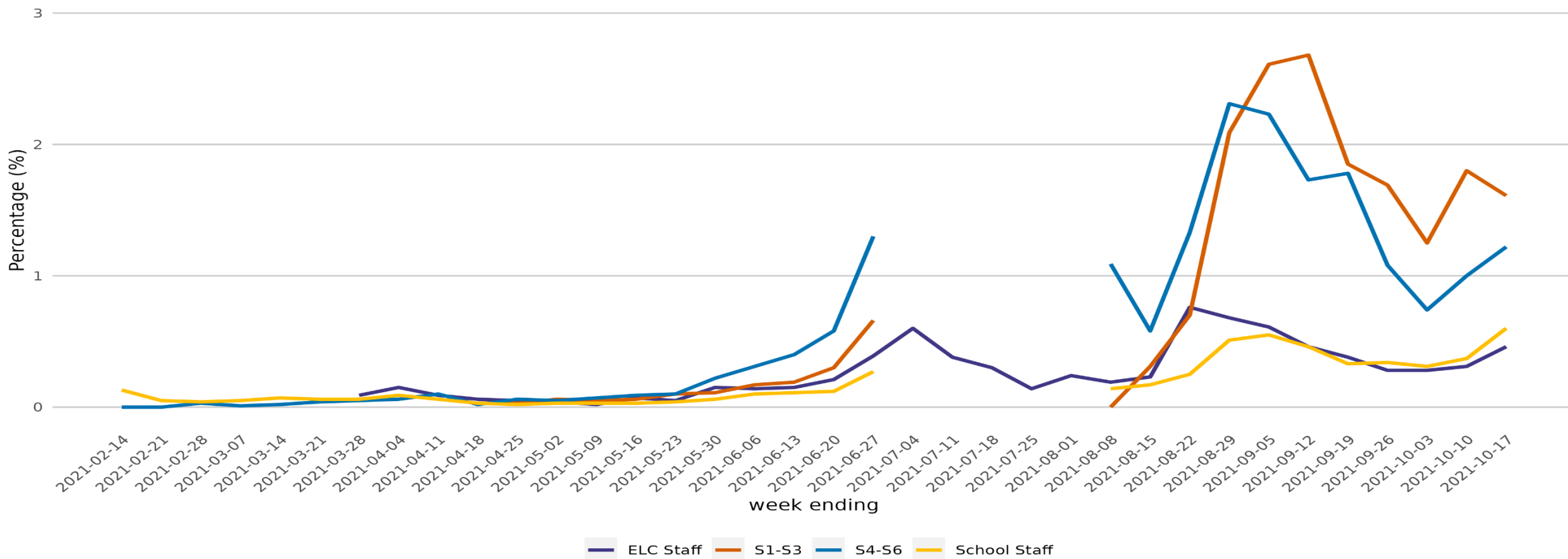
These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>

Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.



Testing positive for COVID-19: trends in positive PCR confirmation following a positive LFD test

Weekly Lateral Flow Device (LFD) tests confirmed with a positive PCR test result



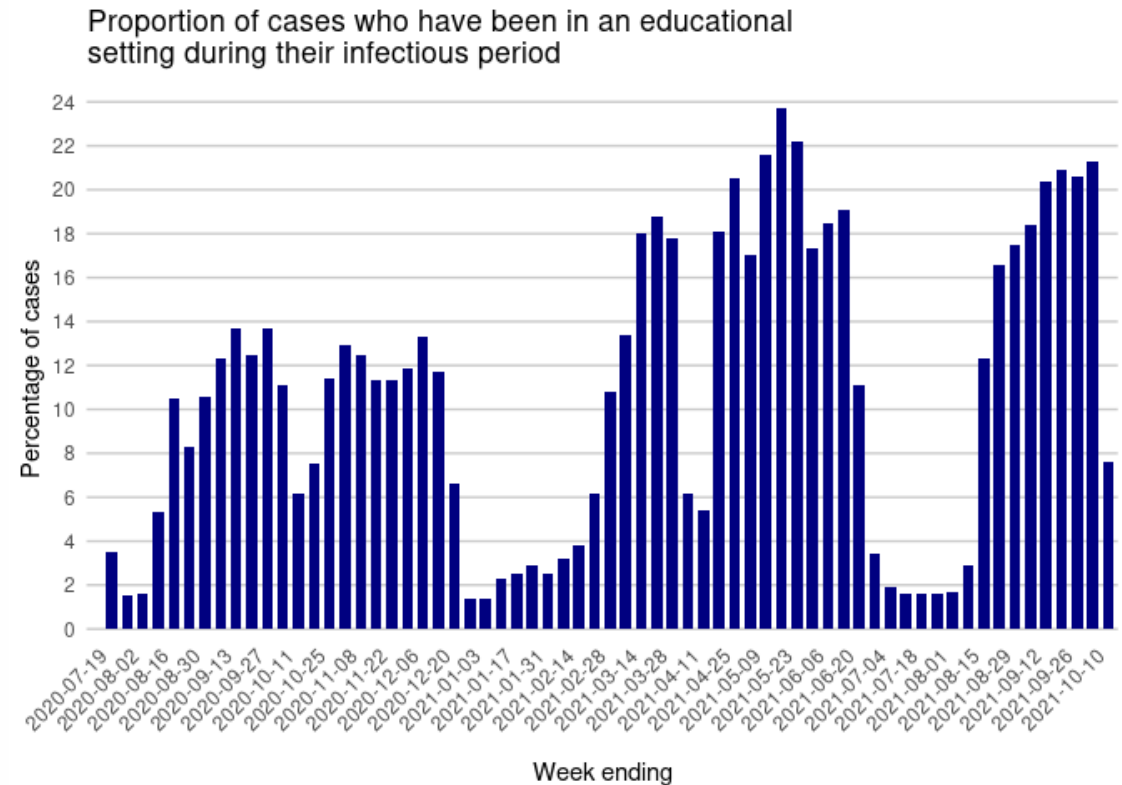
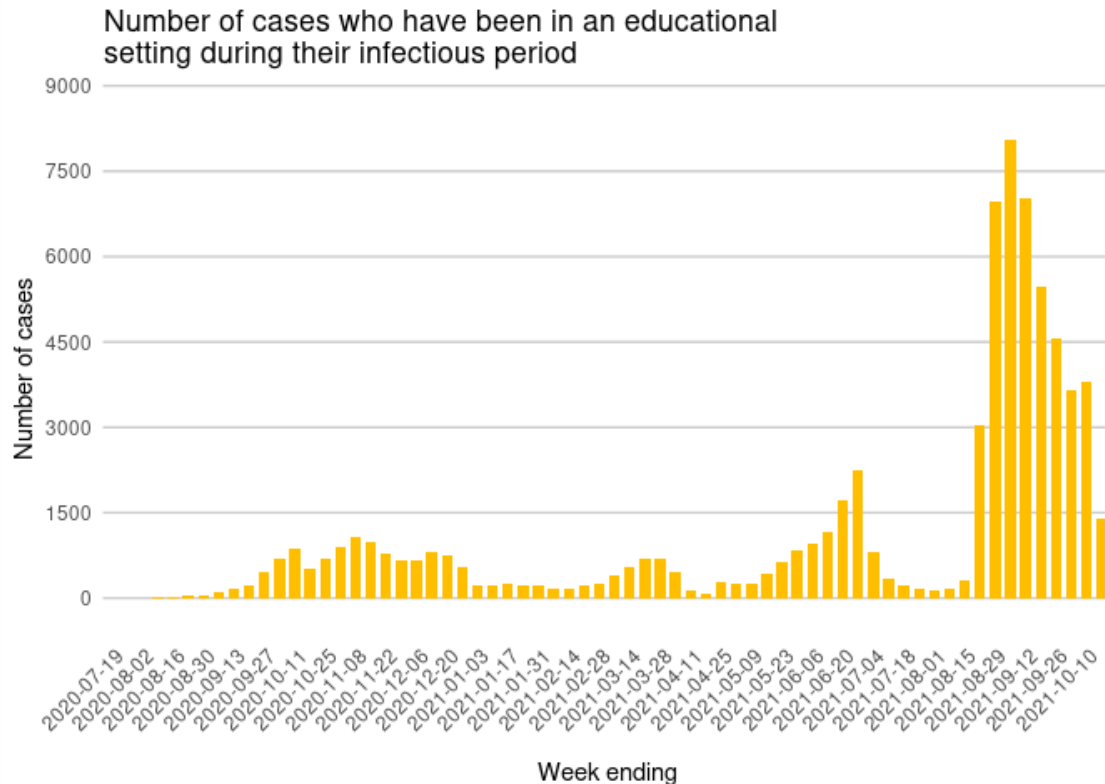
Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



7. Cases and incidents in educational settings

Number and % of cases who have been in an educational setting during their infectious period: Data from Test & Protect



Data source: Test & Protect Case Management System extracted 20/10/2021.

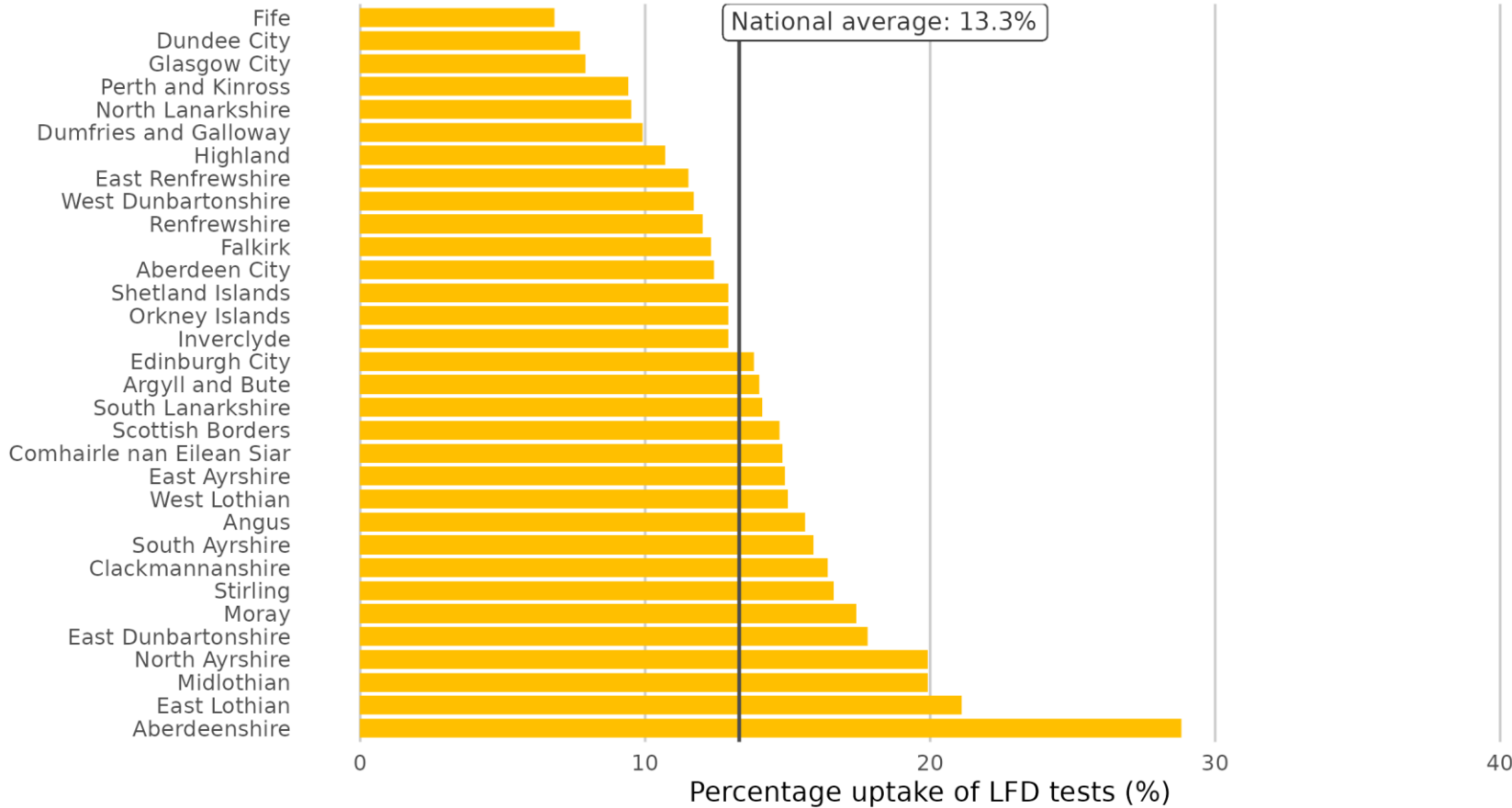
As CMS data continue to be updated after production of this report some numbers will develop.

These data are published and are available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Appendix 1: LFD testing and reporting by local authority – school staff

Staff uptake and reporting of LFD tests by Local Authority, week ending 2021-10-17



- LFD uptake in staff is calculated providing population sizes reported by local authorities to the Scottish Government. Local authorities are able to apply flexibility when identifying eligible staff.
- These percentages depend on people taking the tests and reporting their test results. **Uptake percentage should be treated as an estimate only.**
- These figures are calculated using staff counts for the 2020-21 year, and they may change once the number of staff for the 2021-22 school year becomes available.

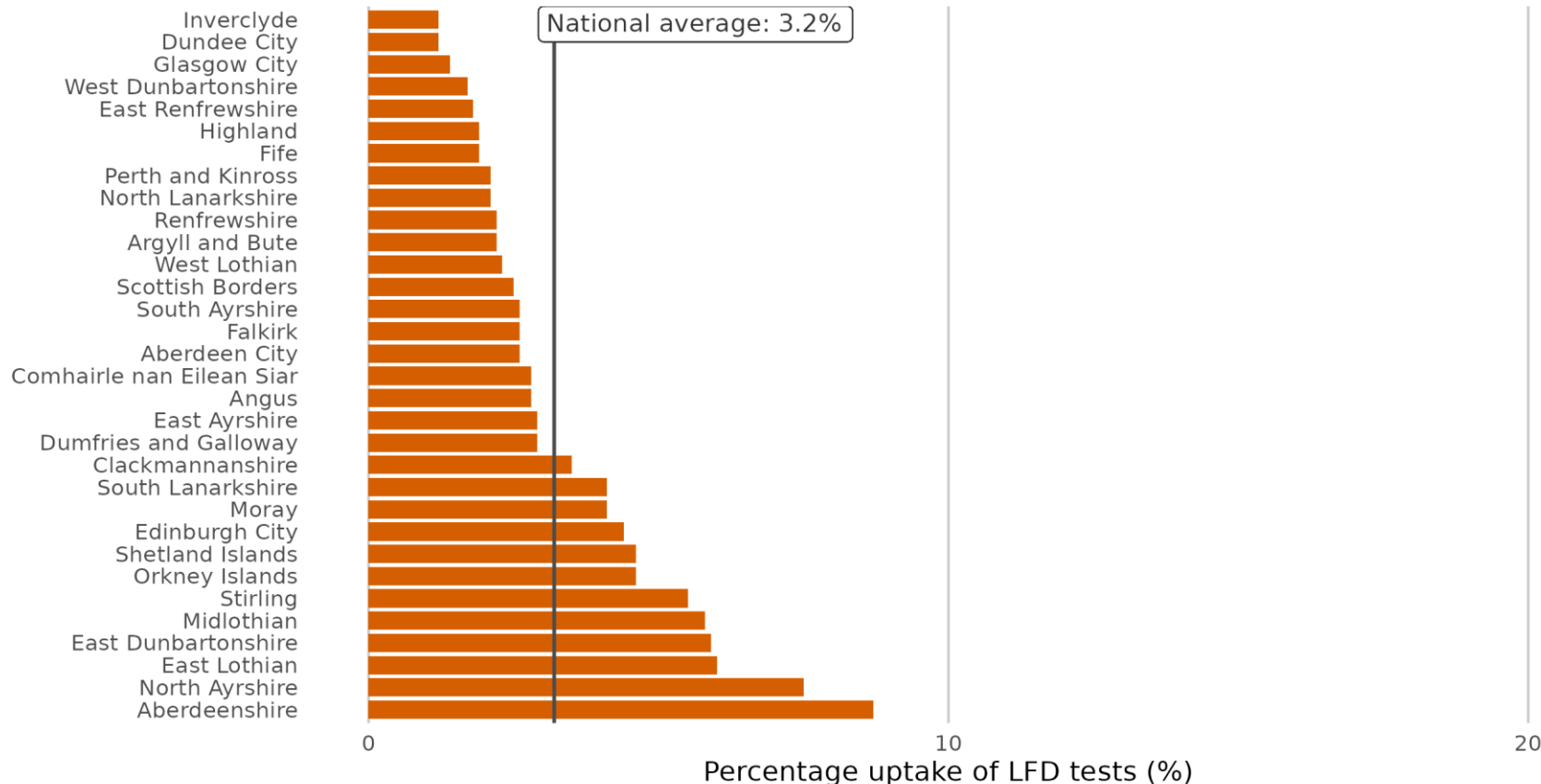
Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Appendix 2: LFD testing and reporting by local authority - S1-S3 pupils

S1-S3 pupil uptake and reporting of LFD tests by Local Authority, week ending 2021-10-17



These figures are calculated using pupil counts for the 2020-21 year, and they are likely to change once the number of pupils for the 2021-22 school year becomes available.

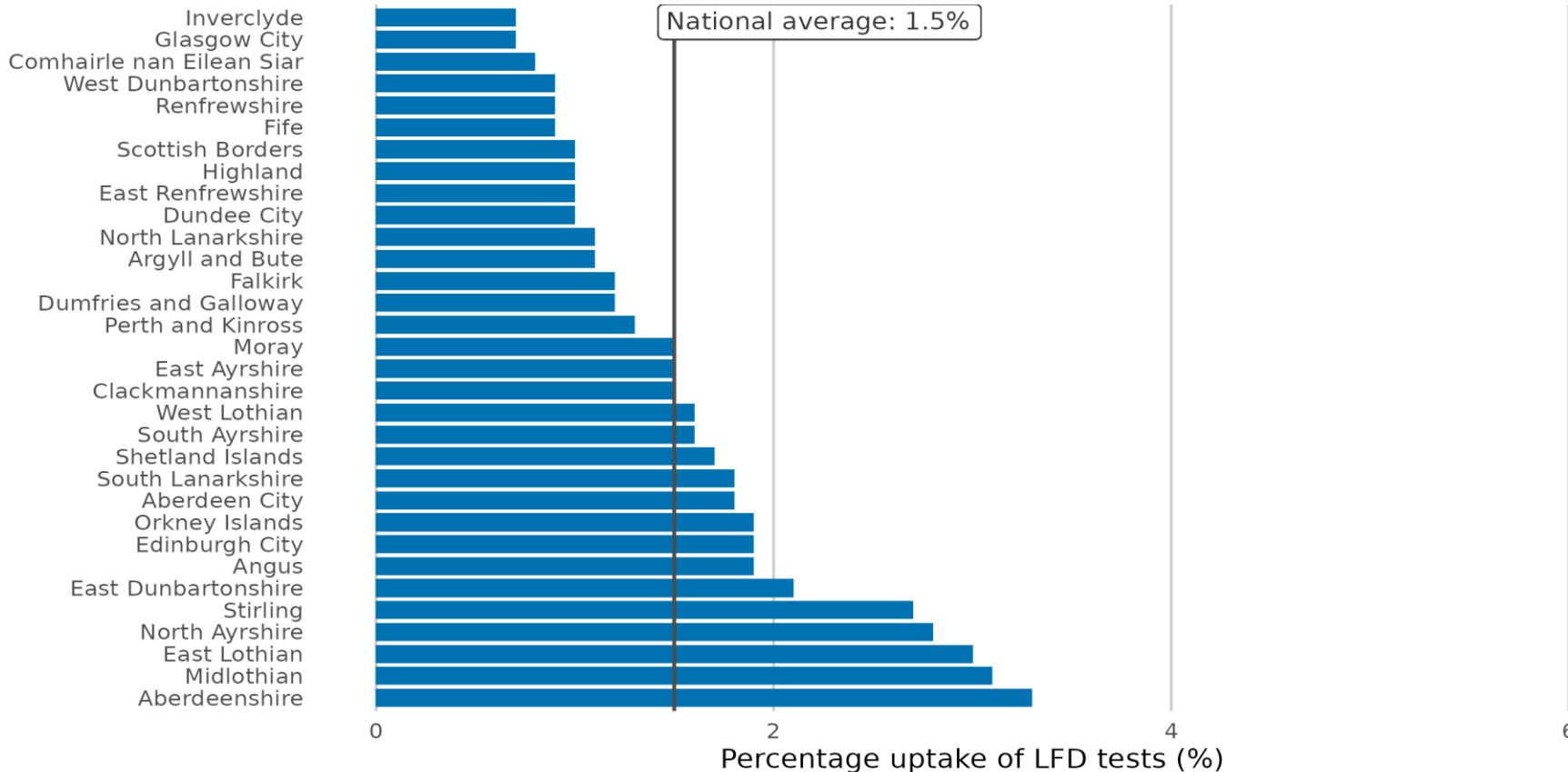
Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.

These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>



Appendix 3: LFD testing and reporting by local authority - S4-S6 pupils

S4-S6 pupil uptake and reporting of LFD tests by Local Authority, week ending 2021-10-17



These figures are calculated using pupil counts for the 2020-21 year, and they are likely to change once the number of pupils for the 2021-22 school year become available.

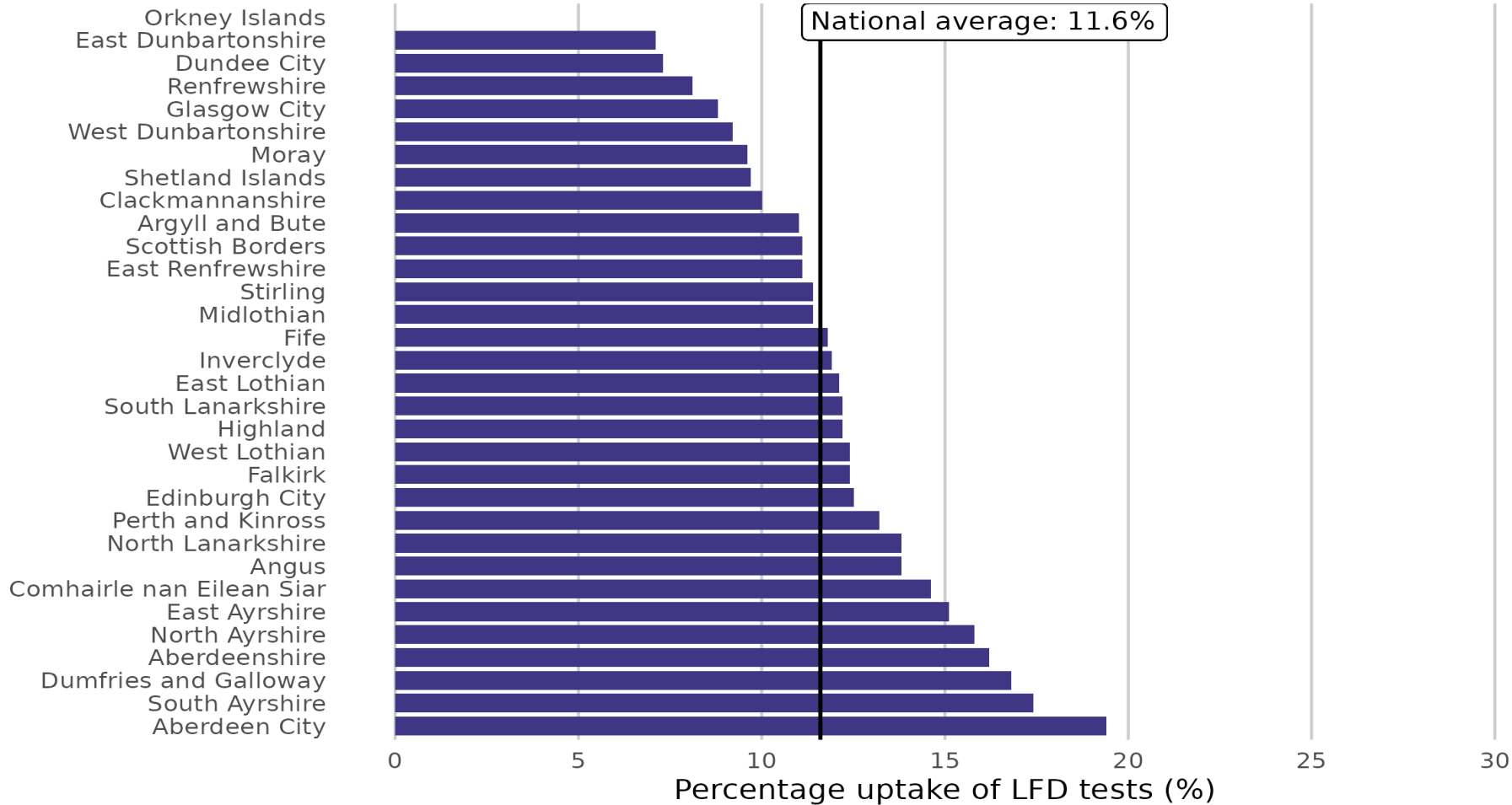
Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.



These data are published and available at: <https://scotland.shinyapps.io/phs-covid19-education/>

Appendix 4: LFD testing and reporting by local authority – ELC staff

Staff uptake and reporting of LFD tests in ELCs by Local Authority, week ending 2021-10-17



These data are published and available at:
<https://scotland.shinyapps.io/phs-covid19-education/>

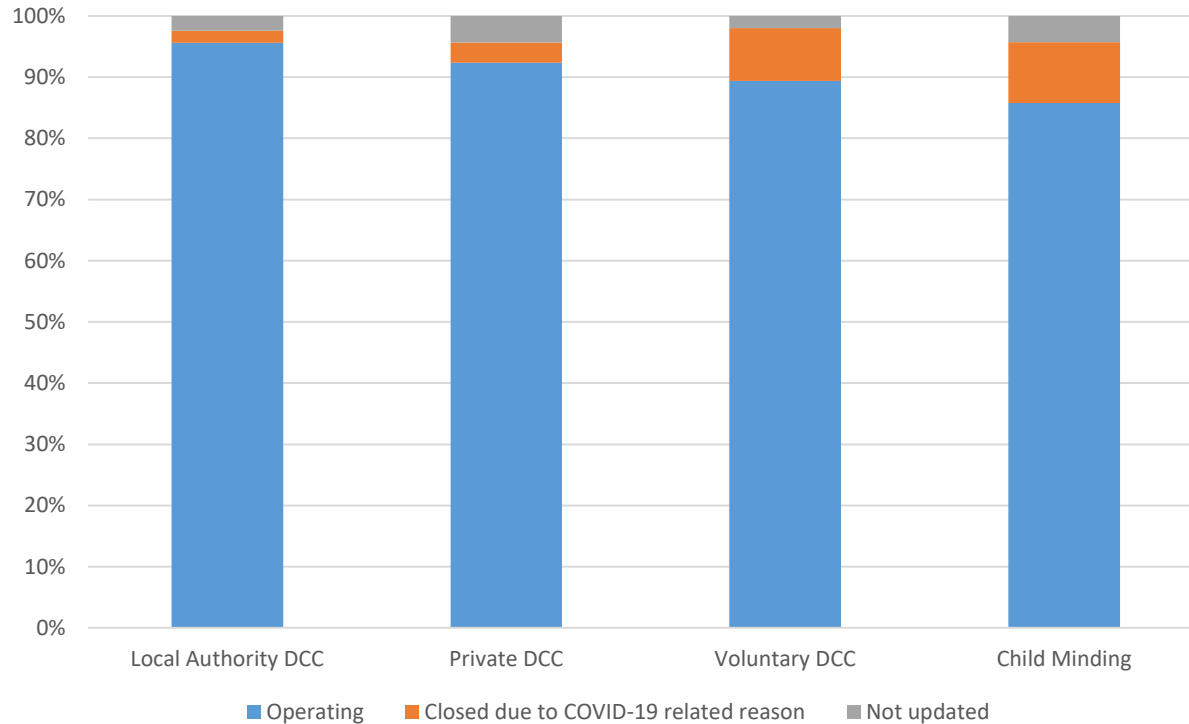
Data source: NSS Corporate Data Warehouse, extracted 20/10/2021.



Attendance and absences in education settings

CHILDCARE SERVICES

Status of day care of children (DCC) and childminding services on 19 October 2021, by percentage of all active services in sector



Care Inspectorate records as at **19 October** showed that **3,522 childminding services** were operating (**86% of all childminding services**), and **3,346 day care of children services** were operating (**93% of services** in this sector) on this day.

Note:

Some services which are marked as operating may be physically closed. Services only have to notify Care Inspectorate of COVID-19 related temporary closures.

STAFF ABSENCES IN DAY CARE OF CHILDREN SERVICES

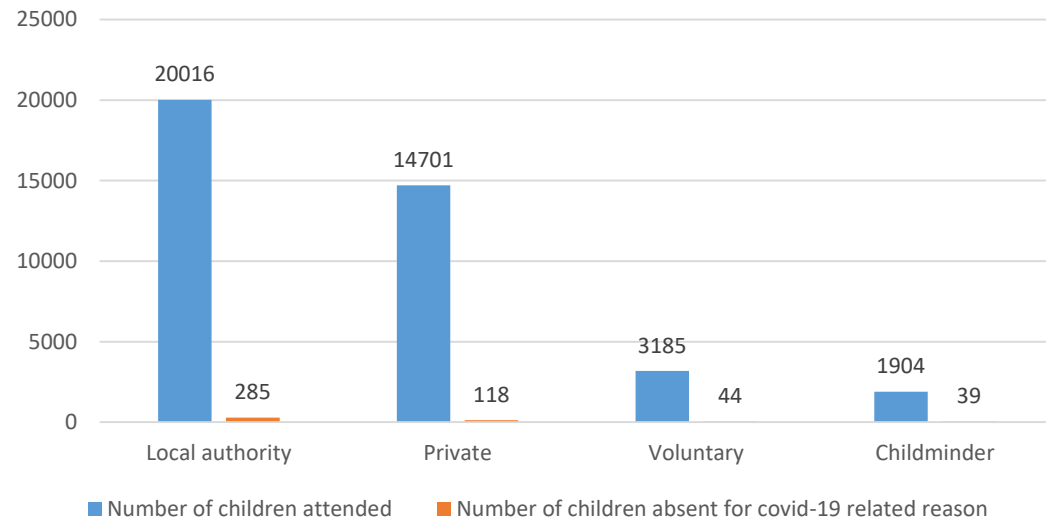
Care Inspectorate ask staff in day care of children services (not including childminders) to submit a staff absence notification once a week on a Tuesday. The **return rate was 38%** – 1,332 of 3,465 services – therefore these figures should be used with caution.

The overall absence rate due to Covid-19 was 1.8% of the total number of staff (as reported in the survey).

CHILDCARE SERVICES SURVEY – CHILD ATTENDANCE AND ABSENCE

These figures should be used with caution as they do not give the full picture of the number of children using these services as we are aware that not all services complete the weekly survey. The response rates this week were approximately: 33% of operating local authority providers; 41% of operating private providers; 22% of operating voluntary providers; and 16% of operating childminders.

Number of children attending and absent on 19 October 2021 by type of childcare provider



On 19 October, there were:

- 39,806 children in attendance
- Of whom, at least 31,801 were ELC-aged (approximately 0-5 years olds)
- Of whom, at least 6,351 were school-aged (those who usually attend school)
- (Not all settings provide age breakdowns)

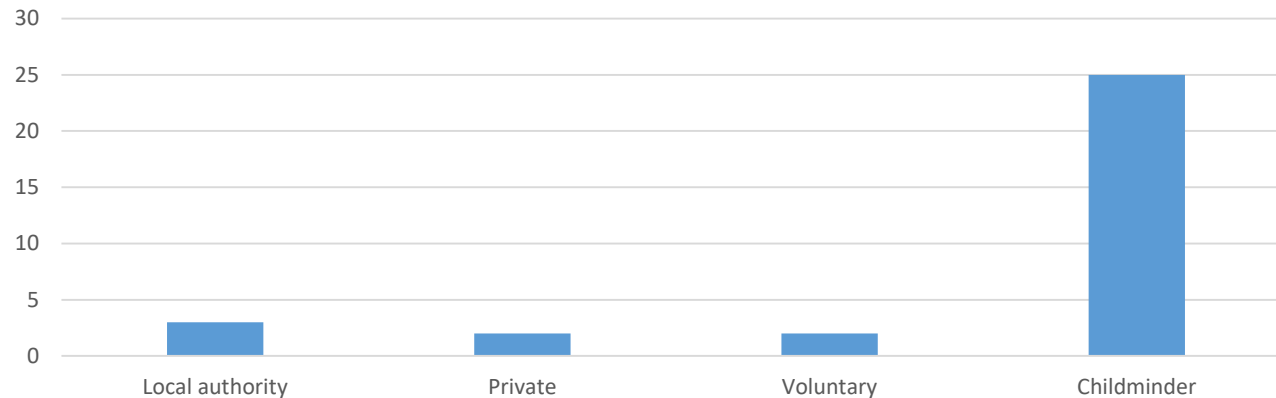
Summary of child attendance and absence in open services that responded to the survey (please note children can fall into more than one category):

Type of setting	No. of children attending	Attendance rate (%)		Covid related absences (%)		Non-covid related absences (%)	
		This week	05.10.2021	This week	05.10.2021	This week	05.10.2021
Local authority	20,016	84.5%	83.8%	1.2%	1.9%	14.3%	14.3%
Private providers	14,701	89.3%	91.2%	0.7%	1.0%	9.9%	7.8%
Voluntary	3,185	90.4%	89.1%	1.2%	1.1%	8.3%	9.8%
Childminders	1,904	87.7%	89.4%	1.8%	2.7%	10.5%	7.9%
Total	39,806	86.8%	86.9%	1.1%	1.6%	12.1%	11.5%

CHILDCARE SERVICES SURVEY – SERVICES AT RISK OF CLOSURE

These figures should be used with caution as they do not give the full picture of the number of children using these services as we are aware that not all services complete the weekly survey. The response rates this week were approximately: 33% of operating local authority providers; 41% of operating private providers; 22% of operating voluntary providers; and 16% of operating childminders.

Number of childcare setting that felt at risk of closure over next 7 days, as reported on 19 October 2021



- 20 settings reported as closed due to COVID-19 related reasons.
- 32 open providers felt that they are 'at risk' of closing over the next 14 days due to a COVID-19 related reason.

Summary of services that responded to the survey:

Type of setting	No. of open providers	No. of providers closed due to COVID	% of providers closed due to COVID		No. of providers who feel 'at risk' of closure	% of providers who felt 'at risk' of closure	
			This week	05.10.2021		This week	05.10.2021
Local authority	567	0	0.0%	0.4%	3	0.5%	0.6%
Private providers	397	1	0.2%	0.4%	2	0.5%	0.9%
Voluntary	146	2	1.2%	0.0%	2	1.4%	6.0%
Childminders	564	17	2.2%	1.7%	25	4.4%	8.1%
Total	1,674	20	1.0%	0.8%	32	1.9%	3.8%

End