



Birmingham and Solihull
Integrated Care System
Caring about healthier lives

Birmingham & Solihull Immunisations & Vaccinations Data Pack April 2023

Delivering a safe and effective service

Evergreen Performance by ICS and JCVI - 80% Highlight Threshold

Data Source: <https://ppds.palantirfoundry.co.uk/workspace/contour-app/ri.contour.main.analysis.2d9dc97f-b2d9-43af-a93a-55dd3f7b1ca6/path/ri.contour.main.ref.71a90c5f-a83a-4462-88a8-07b6dae7aa0b/board?viewMode=edit>

Data Correct as at 27/03/23



**England
Midlands**

Performance by JCVI – Current Uptake as at 27th March

JCVI	National	Midlands	BSOL	CW	HW	JUCD	LLR	LINCS	NHAMP	NOTTS	STW	SSOT	BC
1: Care Home Residents & Residential Care Workers	97.95%	97.90%	97.10%	98.45%	97.69%	98.19%	97.82%	98.39%	97.65%	98.55%	97.62%	98.51%	96.43%
2: Healthcare Workers	97.56%	97.22%	93.95%	97.78%	98.29%	98.36%	97.80%	98.66%	97.11%	97.76%	98.53%	98.36%	95.34%
3: Social Care Workers	99.60%	99.65%	99.50%	99.68%	99.80%	99.76%	99.71%	99.81%	99.41%	99.68%	99.66%	99.63%	99.48%
4: 80+	96.43%	96.85%	93.75%	96.68%	97.88%	97.88%	96.98%	97.71%	97.18%	97.46%	97.74%	97.77%	95.25%
5: 75-79	96.31%	96.91%	94.24%	97.01%	97.64%	97.54%	97.11%	97.56%	97.05%	97.15%	97.55%	97.66%	95.56%
6: 70-74	94.79%	95.63%	92.09%	95.29%	96.71%	96.60%	95.97%	96.55%	95.45%	95.97%	96.47%	96.79%	94.21%
7: 65-69	92.84%	93.75%	88.96%	93.09%	95.62%	95.16%	94.37%	95.12%	93.48%	94.01%	95.29%	95.36%	91.82%
8: At Risk	85.03%	86.12%	78.29%	85.13%	90.07%	89.55%	86.29%	89.69%	86.37%	85.32%	89.90%	90.32%	84.78%
9: 12-15 At Risk	51.01%	50.61%	37.92%	50.80%	56.32%	54.59%	54.28%	58.95%	53.57%	50.13%	60.77%	60.45%	42.35%
10: 12-17 Household contacts of immunosuppressed	56.26%	55.93%	41.21%	56.61%	59.78%	66.45%	56.81%	67.38%	58.90%	58.08%	58.00%	66.13%	45.91%
11: 5-11 At Risk	14.41%	14.02%	6.89%	14.67%	14.65%	16.74%	17.05%	20.01%	14.84%	14.69%	15.75%	19.48%	9.60%
12: 60-64	88.75%	89.75%	81.92%	88.93%	92.76%	92.31%	91.00%	91.48%	88.84%	89.81%	92.17%	92.63%	86.88%
13: 55-59	86.45%	87.56%	78.95%	87.19%	91.16%	90.21%	89.24%	89.24%	86.44%	87.77%	90.36%	90.48%	84.81%
14: 50-54	83.23%	84.46%	75.48%	83.52%	89.04%	87.55%	86.54%	86.23%	83.20%	84.59%	87.55%	87.97%	81.97%
15: 40-49	74.48%	75.31%	65.97%	74.32%	81.25%	80.27%	78.21%	76.83%	73.76%	75.16%	78.39%	79.75%	73.31%
16: 30-39	66.25%	65.98%	56.20%	65.50%	73.59%	73.51%	67.96%	68.16%	63.58%	63.95%	72.29%	71.55%	63.26%
17: 18-29	65.94%	65.65%	54.25%	62.89%	75.35%	74.26%	65.76%	71.93%	64.66%	66.66%	73.39%	73.15%	60.39%
18: 16-17	62.05%	62.16%	46.28%	63.51%	71.89%	70.27%	65.10%	70.18%	63.39%	61.99%	71.66%	70.29%	52.77%
19: 12-15	46.76%	46.44%	34.05%	47.16%	53.53%	53.11%	49.65%	53.63%	46.33%	46.94%	53.68%	54.02%	37.11%
20: 05-11	10.23%	9.78%	5.58%	11.46%	10.56%	11.48%	13.42%	11.83%	10.09%	9.92%	9.82%	12.07%	6.00%
All other	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.01%	0.00%	0.00%	0.01%	0.01%	0.00%

Notes on Interpretation of Data:

Greater than or equal to National Uptake
Within the 80 th Percentile of National Uptake
Below 80 th Percentile of National Uptake

Evergreen Performance by ICS and Ethnicity

Data Correct as at 27/03/23

Ethnicity – Current Uptake as at 27th March



Ethnicity	National	Midlands	BSOL	CW	HW	JUCD	LLR	LINCS	NHAMP	NOTTS	STW	SSOT	BC
99: Not known	40.55%	39.75%	26.19%	35.74%	50.29%	46.20%	39.04%	39.17%	40.83%	45.81%	51.45%	49.62%	33.86%
A: White - British	67.27%	79.16%	75.57%	78.56%	80.81%	80.71%	79.72%	81.68%	78.68%	78.93%	80.41%	80.19%	75.38%
B: White - Irish	64.99%	78.39%	80.75%	81.14%	82.08%	79.50%	76.61%	80.75%	78.56%	74.97%	74.76%	75.68%	70.07%
C: White - Any other White background	49.81%	49.16%	45.38%	54.56%	59.81%	48.43%	50.55%	41.42%	40.50%	44.86%	56.94%	52.34%	51.07%
D: Mixed - White and Black Caribbean	35.33%	35.58%	33.22%	41.88%	47.07%	37.35%	37.08%	50.65%	39.68%	32.91%	42.71%	38.90%	31.83%
E: Mixed - White and Black African	32.57%	45.66%	42.50%	47.58%	49.39%	40.07%	40.40%	49.27%	44.63%	45.40%	47.39%	45.37%	52.20%
F: Mixed - White and Asian	44.32%	48.13%	41.87%	53.56%	63.74%	43.89%	48.07%	55.42%	51.02%	51.12%	49.34%	49.99%	41.61%
G: Mixed - Any other Mixed background	46.75%	48.76%	37.96%	48.63%	53.03%	44.65%	47.08%	73.64%	42.15%	43.92%	51.83%	50.15%	46.43%
H: Asian or Asian British - Indian	43.31%	67.65%	66.10%	64.70%	62.09%	67.61%	71.66%	61.90%	65.91%	59.09%	65.53%	63.11%	68.09%
J: Asian or Asian British - Pakistani	18.62%	54.86%	52.97%	58.61%	58.85%	57.55%	57.37%	58.14%	59.00%	57.87%	56.85%	57.86%	55.62%
K: Asian or Asian British - Bangladeshi	22.68%	60.59%	59.12%	64.05%	62.17%	64.75%	64.25%	61.98%	61.72%	64.27%	59.13%	62.21%	60.13%
L: Asian or Asian British - Any other Asian background	39.85%	59.85%	53.22%	61.09%	63.95%	63.67%	67.27%	66.42%	64.95%	56.04%	66.19%	62.65%	58.23%
M: Black or Black British - Caribbean	35.63%	47.07%	42.59%	57.92%	65.81%	60.98%	55.62%	65.37%	58.58%	49.96%	58.62%	57.57%	42.81%
N: Black or Black British - African	26.45%	45.71%	39.84%	48.63%	56.78%	45.69%	47.77%	44.87%	50.25%	48.24%	52.14%	51.24%	45.71%
P: Black or Black British - Any other Black background	29.08%	45.04%	38.85%	44.54%	57.06%	55.97%	50.40%	60.12%	53.61%	48.55%	51.10%	51.63%	40.88%
R: Other ethnic groups - Chinese	53.30%	50.03%	46.79%	52.62%	64.50%	63.67%	43.07%	65.53%	67.16%	41.95%	55.84%	60.22%	64.48%
S: Other ethnic groups - Any other ethnic group	38.52%	47.54%	41.74%	48.05%	51.38%	49.65%	53.89%	55.45%	48.56%	52.18%	47.72%	49.18%	40.96%

Notes on Interpretation of Data:

Greater than or equal to National Uptake
Within the 80 th Percentile of National Uptake
Below 80 th Percentile of National Uptake

Ethnicity – Update Week beginning 20th March

Ethnicity	National	Midlands	BSOL	CW	HW	JUCD	LLR	LINCS	NHAMP	NOTTS	STW	SSOT	BC
99: Not known	113	8	-	2	-	-	1	-	1	-	-	1	3
A: White - British	1,330	252	11	24	17	28	31	7	20	35	19	39	21
B: White - Irish	-	-	-	-	-	-	-	-	-	-	-	-	-
C: White - Any other White background	130	19	5	1	-	1	1	2	1	1	1	4	2
D: Mixed - White and Black Caribbean	22	2	1	1	-	-	-	-	-	-	-	-	-
E: Mixed - White and Black African	26	6	-	1	-	-	3	-	1	1	-	-	-
F: Mixed - White and Asian	28	1	-	-	-	-	-	-	-	1	-	-	-
G: Mixed - Any other Mixed background	33	8	-	2	-	-	2	2	-	1	-	-	1
H: Asian or Asian British - Indian	175	32	3	3	2	2	6	1	-	7	-	1	7
J: Asian or Asian British - Pakistani	209	47	27	2	1	6	3	-	-	-	1	1	6
K: Asian or Asian British - Bangladeshi	73	10	6	-	-	-	2	-	-	1	-	-	1
L: Asian or Asian British - Any other Asian background	114	15	2	1	-	1	2	2	1	-	-	2	4
M: Black or Black British - Caribbean	44	8	5	1	-	-	-	-	-	1	-	-	1
N: Black or Black British - African	232	43	10	3	-	-	5	-	2	9	-	2	12
P: Black or Black British - Any other Black background	55	12	3	1	-	-	4	-	-	1	1	-	2
R: Other ethnic groups - Chinese	51	5	3	-	-	1	-	-	-	1	-	-	-
S: Other ethnic groups - Any other ethnic group	105	9	3	1	1	1	1	1	-	1	-	-	-
null	8	-	-	-	-	-	-	-	-	-	-	-	-
Total	2,748	477	79	43	21	40	61	15	26	60	22	50	60

Evergreen Performance by ICS and IMD

Data Correct as at 27/03/23

Data Source: <https://ppds.palantirfoundry.co.uk/workspace/contour-app/ri.contour.main.analysis.2d131e27-b3c7-4311-a617-7289b87f444c/path/ri.contour.main.ref.9e111d7b-6604-4610-b3c6-7a889c9b5375/board?viewMode=edit>



IMD – Current Uptake as at 27th March

IMD	National	Midlands	BSOL	CW	HW	JUCD	LLR	LINCS	NHAMP	NOTTS	STW	SSOT	BC
1	58.18%	55.20%	50.31%	52.85%	62.40%	56.32%	58.29%	69.44%	56.08%	56.96%	60.22%	61.69%	56.68%
2	61.59%	61.60%	54.75%	58.77%	66.07%	67.31%	60.96%	72.78%	56.12%	62.81%	65.63%	65.76%	60.63%
3	64.12%	65.27%	61.65%	60.85%	69.17%	72.12%	61.33%	69.00%	60.40%	66.23%	70.15%	69.12%	65.44%
4	67.57%	69.83%	64.51%	62.40%	76.09%	75.14%	66.66%	73.04%	62.21%	70.75%	75.26%	73.95%	69.26%
5	70.82%	73.39%	67.90%	69.34%	77.55%	77.19%	69.06%	76.69%	67.75%	71.95%	78.44%	77.84%	73.45%
6	73.01%	75.30%	69.79%	71.22%	79.71%	78.31%	73.97%	77.90%	72.85%	73.46%	78.10%	78.57%	74.61%
7	75.31%	77.66%	71.28%	76.22%	79.52%	81.62%	75.71%	79.24%	75.88%	76.13%	79.26%	80.36%	78.26%
8	76.48%	78.89%	76.32%	75.76%	80.11%	81.54%	77.60%	79.99%	77.30%	79.68%	80.41%	80.51%	79.65%
9	77.94%	80.11%	76.99%	78.35%	80.79%	82.70%	78.91%	81.19%	78.06%	79.26%	81.66%	82.22%	80.39%
10	79.44%	80.75%	78.88%	79.57%	82.00%	82.28%	79.92%	82.79%	78.04%	81.28%	80.27%	82.38%	82.65%
99	59.36%	55.16%	49.94%	58.62%	73.47%	65.25%	54.48%	31.76%	32.65%	64.15%	76.12%	65.86%	53.97%
Total	70.10%	70.42%	59.85%	69.37%	76.73%	75.52%	71.35%	75.54%	69.05%	70.54%	75.99%	75.20%	65.96%

Notes on Interpretation of Data:

Greater than or equal to National Uptake

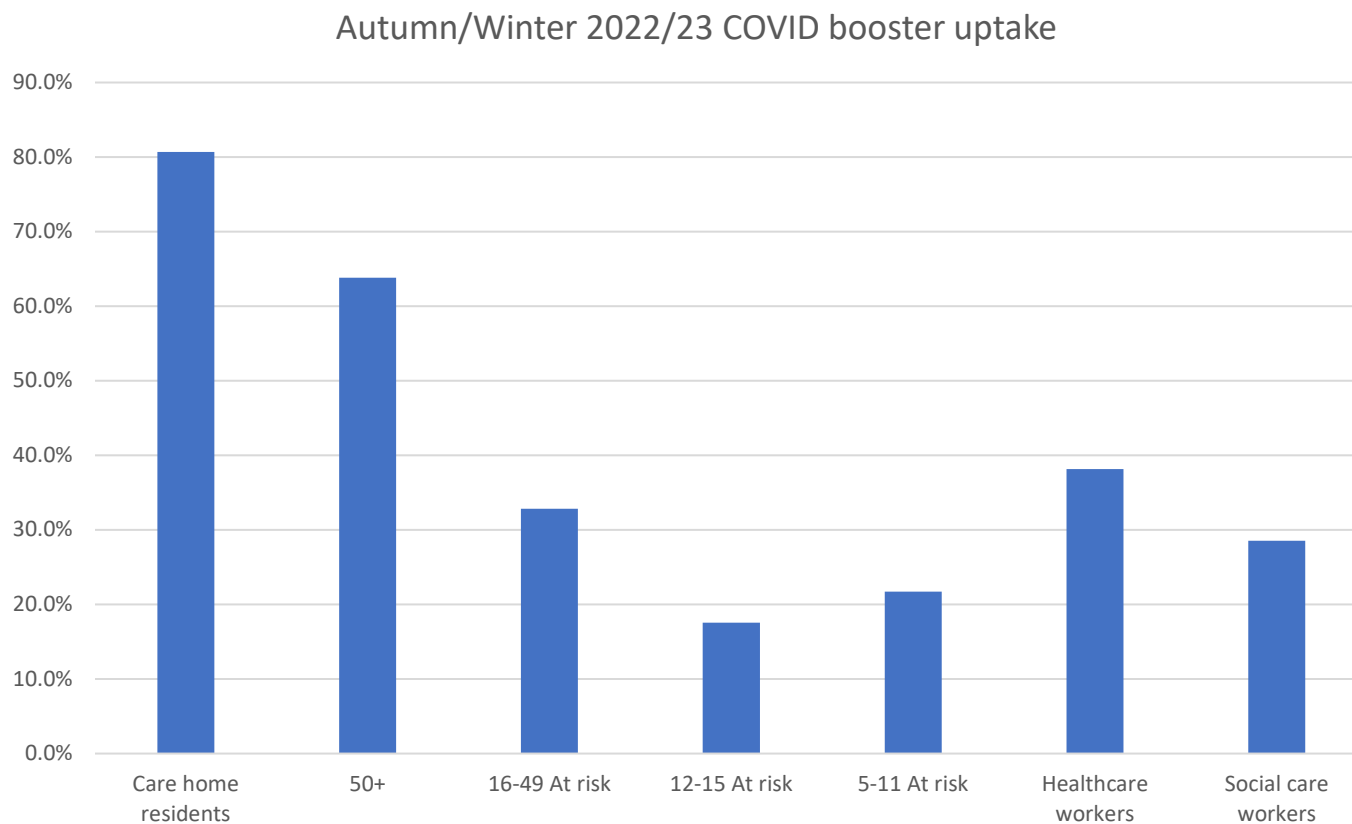
Within the 80th Percentile of National Uptake

Below 80th Percentile of National Uptake

IMD – Update Week beginning 20th March

IMD	National	Midlands	BSOL	CW	HW	JUCD	LLR	LINCS	NHAMP	NOTTS	STW	SSOT	BC
1	346	86	40	4	2	1	11	0	3	3	3	4	15
2	347	83	12	3	4	3	10	0	1	10	0	13	27
3	298	37	7	1	2	1	7	0	1	7	3	4	4
4	262	45	7	9	1	7	1	4	2	9	0	4	1
5	254	32	1	6	2	2	8	1	3	2	2	4	1
6	249	35	2	2	2	5	4	2	1	4	4	4	5
7	250	35	5	2	3	3	2	1	4	3	4	4	4
8	220	34	0	4	3	5	4	2	3	8	3	2	0
9	252	49	3	5	2	11	5	1	3	9	1	8	1
10	253	36	2	7	0	1	7	3	5	4	2	3	2
99	17	5	0	0	0	1	2	1	0	1	0	0	0
Total	2,748	477	79	43	21	40	61	15	26	60	22	50	60

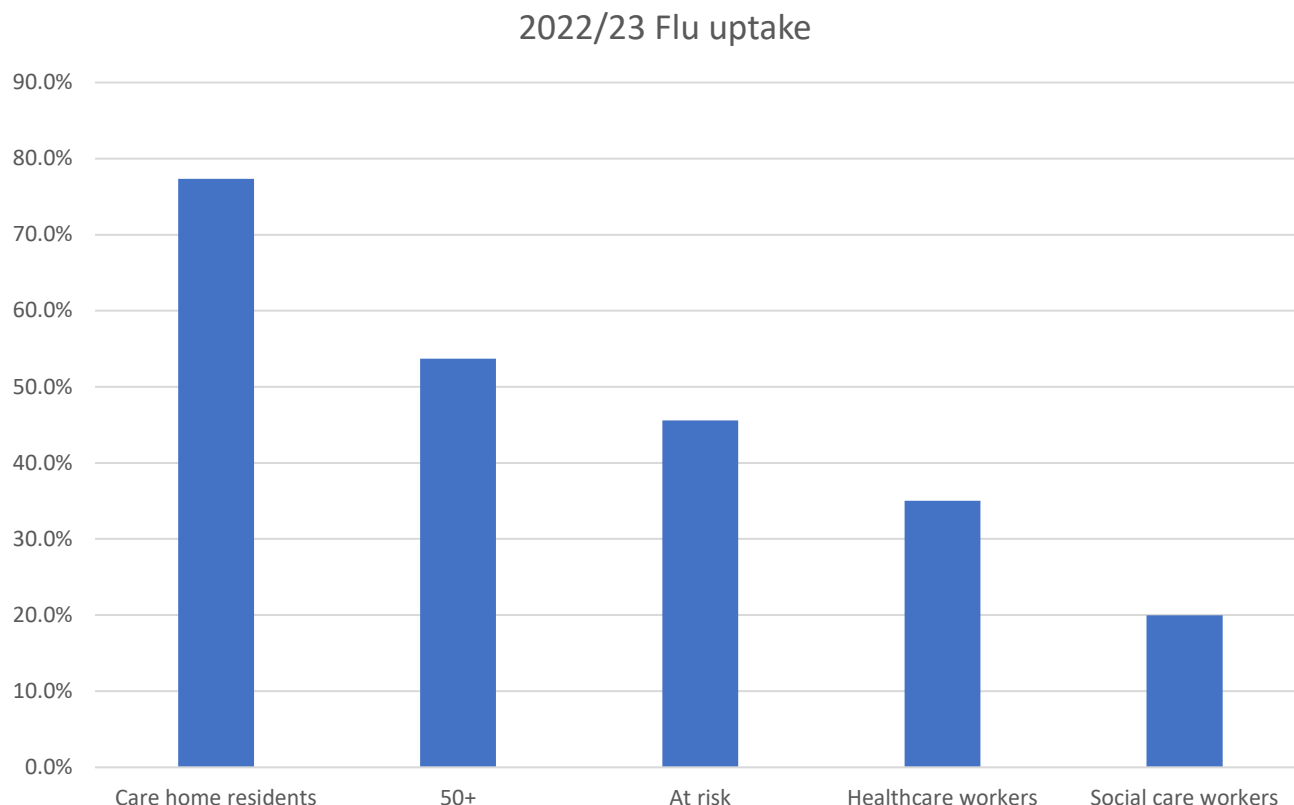
COVID Vaccs – Autumn-Winter 2022/23



Age cohorts have been combined for ease.

1. In 50+, lowest uptake in youngest age brackets.
2. At risk – more to be done to close the gap, lowest uptake among 12-15s.
3. Health and social care workers low rates of uptake – likely that VCOD has impacted this.

Flu Vaccs – Autumn-Winter 2022/23



Age cohorts have been combined for ease.

1. At risk – lack of granularity for age bands as available for COVID uptake data.
2. Health and social care workers are reported with low uptake rates.
3. Social care significantly lower uptake than for COVID – this may be linked to reporting, and/or reflect a need for staff education

Healthcare staff uptake – COVID and Flu on 06/03/23

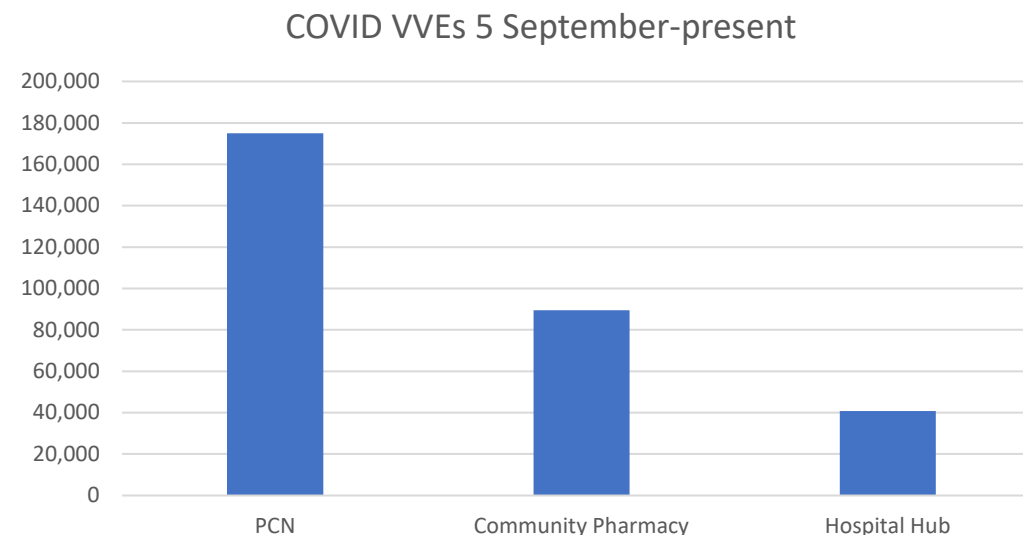
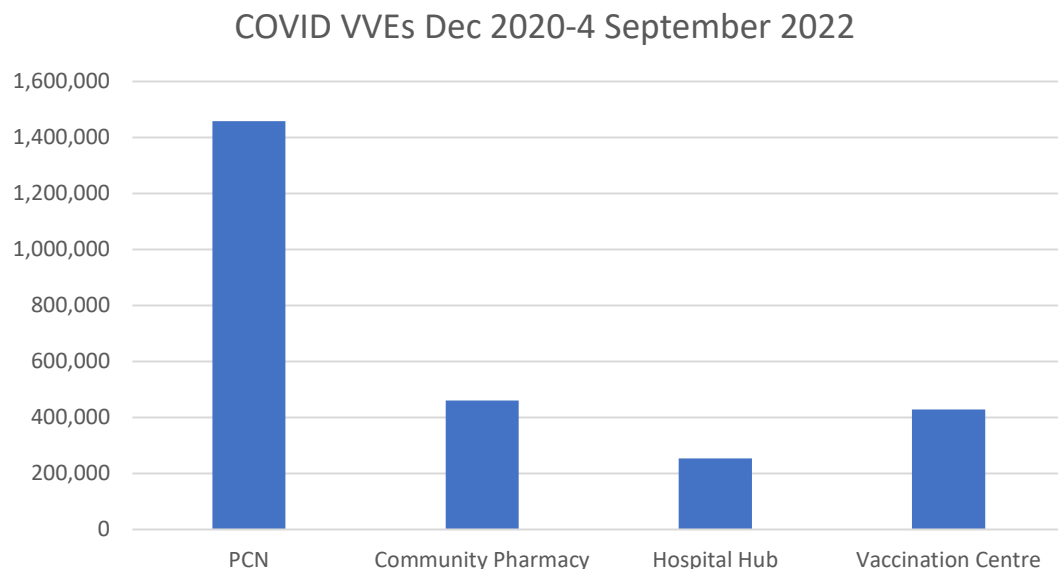
Trust	COVID eligible	COVID vaccinated	% uptake of eligible
Birmingham And Solihull Mental Health NHS Foundation Trust	4,916	1,575	32.0%
Birmingham Community Healthcare NHS Foundation Trust	4,907	2,094	42.7%
Birmingham Women's And Children's NHS Foundation Trust	5,948	2,827	47.5%
The Royal Orthopaedic Hospital NHS Foundation Trust	1,314	599	45.6%
University Hospitals Birmingham NHS Foundation Trust	26,666	11,723	44.0%
Total	43,751	18,818	43.0%

Trust	Flu eligible	Flu vaccinated	% uptake of eligible
Birmingham And Solihull Mental Health NHS Foundation Trust	5,726	1,992	34.8%
Birmingham Community Healthcare NHS Foundation Trust	5,637	2,605	46.2%
Birmingham Women's And Children's NHS Foundation Trust	6,695	3,369	50.3%
The Royal Orthopaedic Hospital NHS Foundation Trust	1,461	687	47.0%
University Hospitals Birmingham NHS Foundation Trust	31,241	12,894	41.3%
Total	50,760	21,547	42.4%

Note there are differences between what is reported via Foundry and what is shared with systems by NHS E in Performance Packs.

There are marked differences in percentage achievement for both flu and COVID.

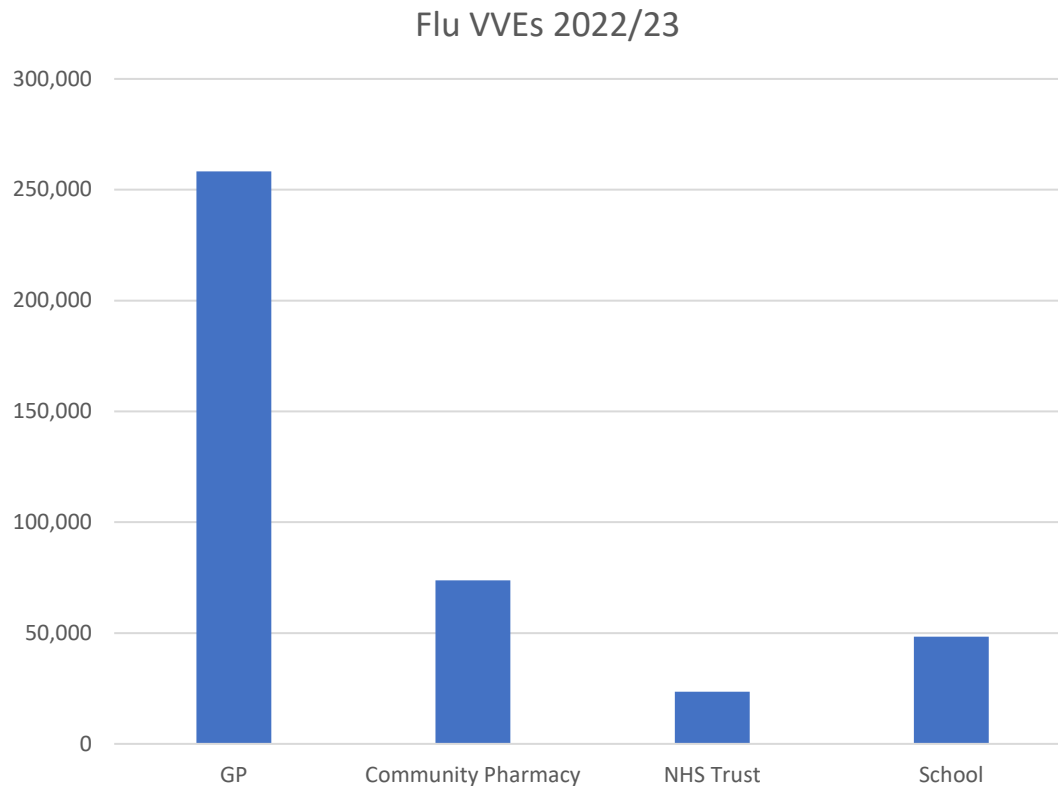
COVID Uptake by Pillar – Launch to 4 Sep 2022, 5 Sep 2022 to present



Vaccination Centres closed in 2022.

Notable proportionate increase of delivery via Community Pharmacies. The system team has worked to grow to CP delivery pillar to promote convenient access.

Flu Uptake by Pillar – Launch to 4 Sep 2022, 5 Sep 2022 to present



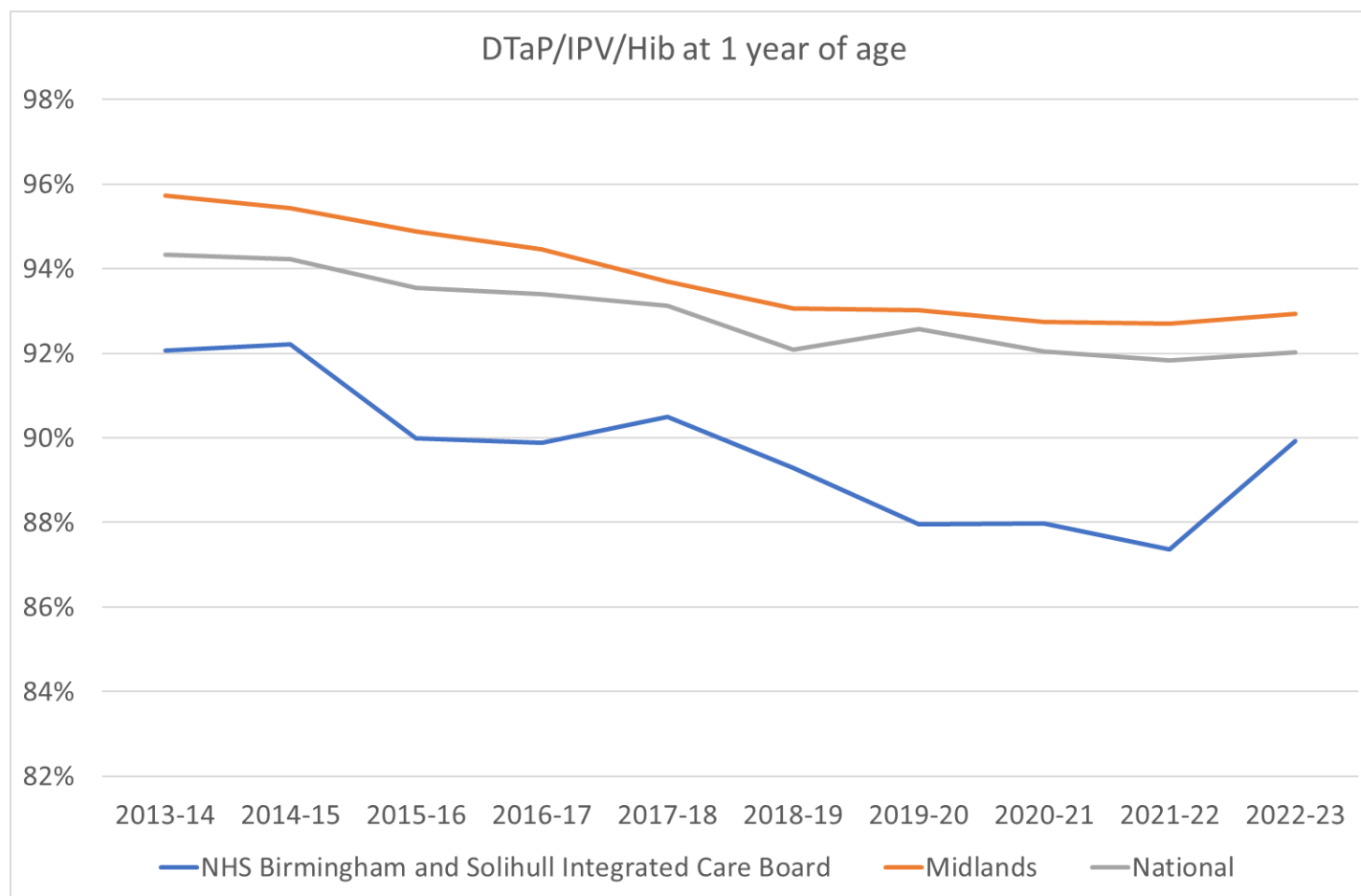
In 2022/23, 64% of activity via general practice.

18% of activity through community pharmacy.

243 main and branch general practice sites.

316 community pharmacy sites.

DTaP/IPV/Hib/HepB (6-in-1) Vaccine at 1 year of Age

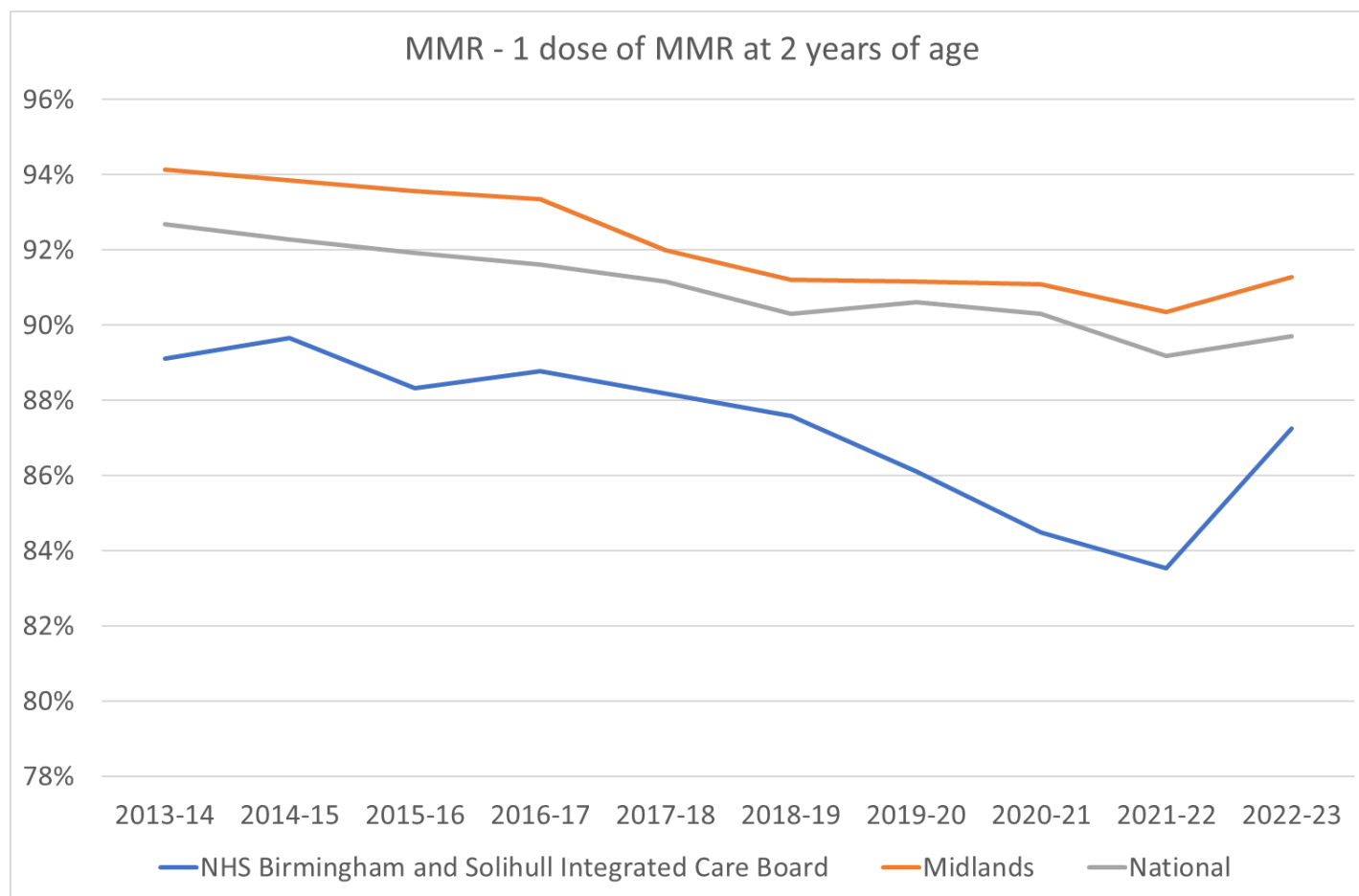


The graph shows decline for 6-in-1 uptake from 2013 to 2022, nationally, regionally and across Birmingham and Solihull.

What is notable is the sharper improvement in the BSol system in the past year (2022/23).

While there is still a gap to 95% attainment to be closed, there are positive signs of improvement shown in the data, returning to pre-COVID pandemic level of attainment (in 2017/18).

MMR - 1 dose of MMR at 2 years of age

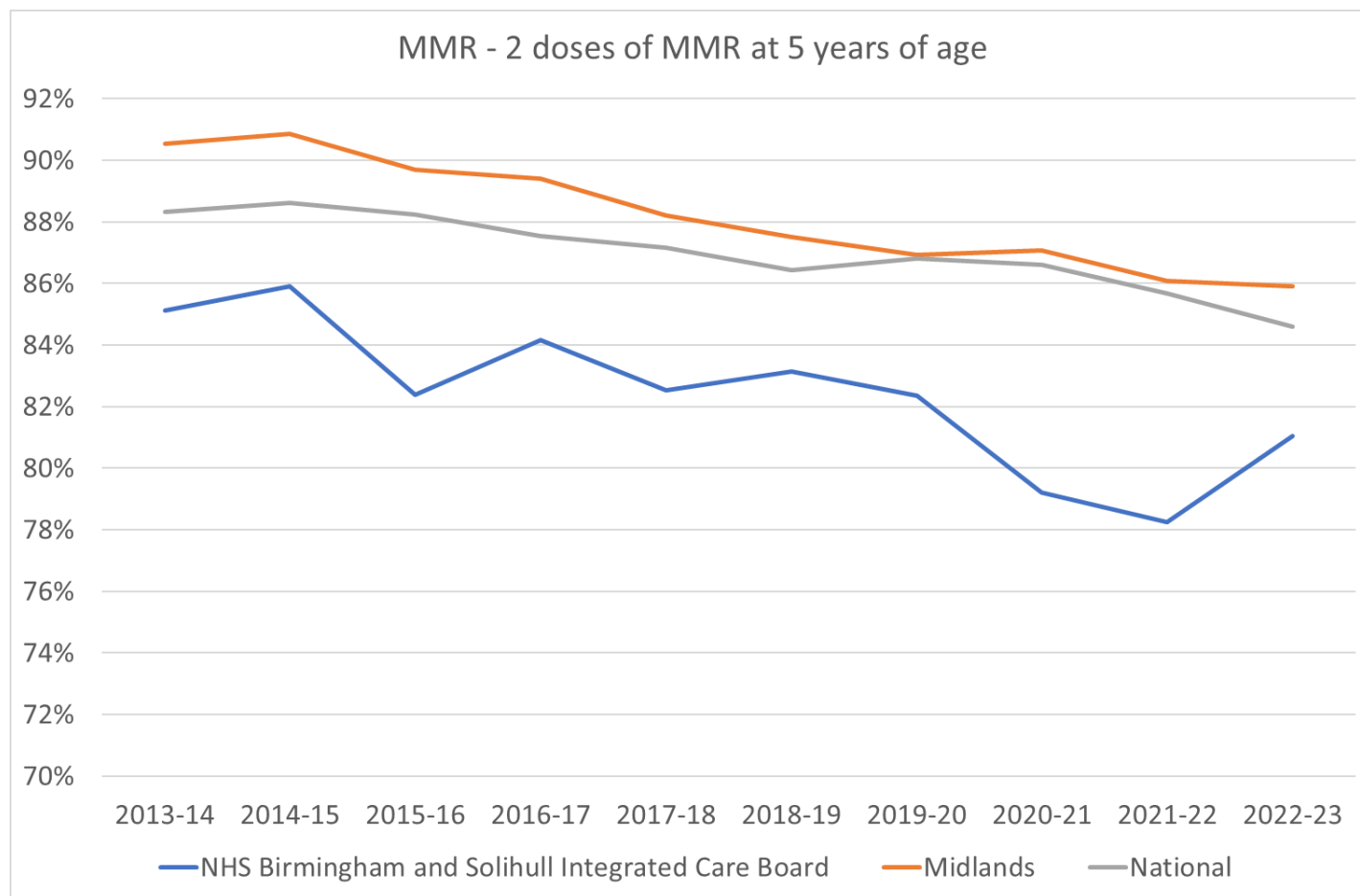


The graph shows overall decline nationally, regionally and across the BSol system to 2022, with all showing improvement in 2022/23.

BSol's rate of improvement is greater than nationally or regionally, but still some considerable distance from 95% attainment.

The attainment rate for 2022/23 approximates previous attainment in 2018/19.

MMR - 2 doses of MMR at 5 years of age



The graph below shows similar patterns of decline to the first dose.

However, while nationally and regionally decline has continued into 2023, across BSol there has been notable improvement in 2022/23.

This improvement does not yet match pre-pandemic attainment.

Queue Project Data Cleansing

	Practice 1	Practice 2	Practice 3	Practice 4	Practice 5
Waiting List	83	148	162	208	233
No longer registered	2	1	8	8	4
Already vaccinated	2	84	94	71	88
<i>Already vaccinated as % of waiting list</i>	<i>2.4%</i>	<i>56.8%</i>	<i>58.0%</i>	<i>34.1%</i>	<i>37.8%</i>
Declined	19	7	11	16	7

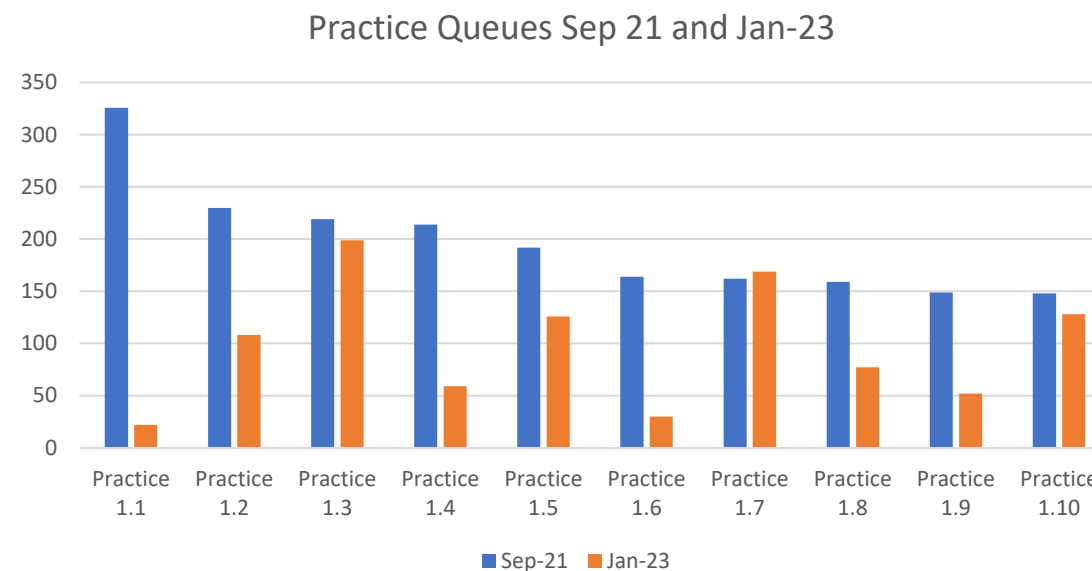
Data cleansing undertaken with engaged practices has frequently shown that many children in the queue have in fact been vaccinated, however there may not be a read-code in their record, with a free text entry instead – the CHIS extraction works from read-coding.

Since September 2021, the BSol Queue Project has approached practices with the largest queues, working with those which are responsive.

This work is led by members of the ICB's Peer Support team, and requires significant ICB staff time resource per practice for engagement.

Practice Queues for Child Imms & Vaccs Appointments

Practice	September 2021	January 2023	Difference from Sep-21 to Jan-23
Practice 1.1	326	22	-304
Practice 1.2	230	108	-122
Practice 1.3	219	199	-20
Practice 1.4	214	59	-155
Practice 1.5	192	126	-66
Practice 1.6	164	30	-134
Practice 1.7	162	169	+7
Practice 1.8	159	77	-82
Practice 1.9	149	52	-97
Practice 1.10	148	128	-20
Total	1,963	970	-993



The table and graph show progress from the September 2021 data through to January 2023 data for the 10 general practices with the highest queues in September 2021. (Anonymised as practices 1.1 to 1.10).

For those 10 practices combined, there is a net reduction of their queues of 993 appointments from September 2021 to January 2023, albeit that 1 practice showed a small increase of queue.