



London

Vaccination inequalities update

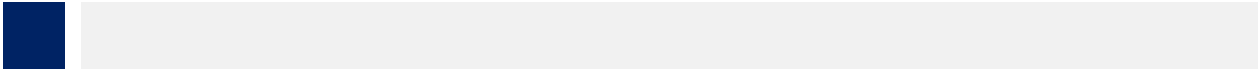


19 June 2022

Relevancepoint (Helping Communities)

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Introduction

This report analyses vaccine uptake across London to demonstrate the variation in uptake between communities living in different IMD deciles, and between different minority ethnic communities.

The purpose of this report is to understand where inequalities exist and whether actions being taken are effective in reducing these. Where there are uptake comparisons, this has been to the group with the current highest uptake. This visualisation is intended to demonstrate the scale of the inequality and show if the vaccine programme has successfully begun to reach communities.

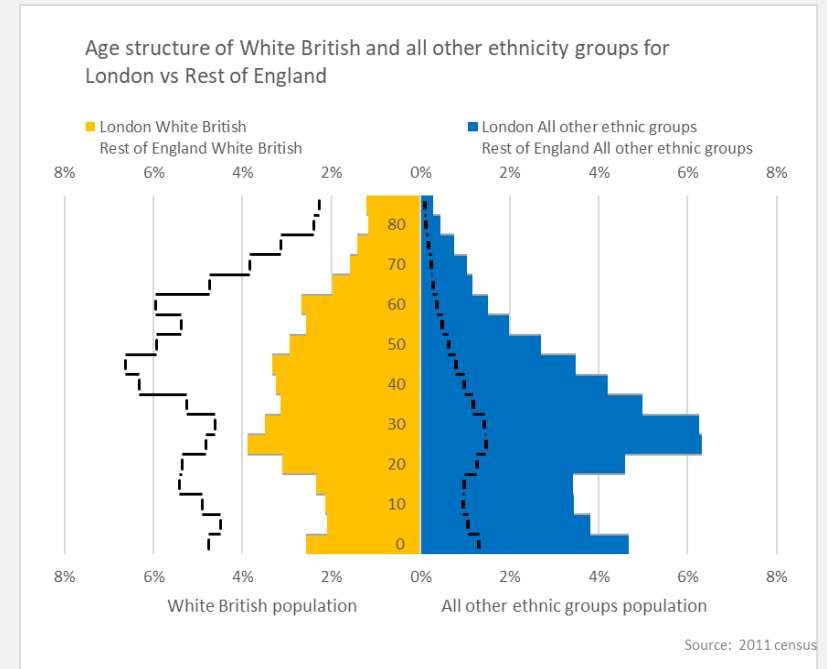
In general the White British population has the highest uptake of all ethnic groups within the London region. Across cohorts 1-9, there are only 2 boroughs in London where the White British population does not have the highest overall level of uptake. We therefore use this as the benchmark to identify if actions being taken are contributing towards reducing inequalities in uptake for minority ethnic communities and shows that we are currently serving some of our communities better than others. This benchmark is not intended to implicate or blame communities for the level of vaccine uptake.

London is different...

- Unlike *all* other NHS regions, the population of London is entirely urban.
- The population of London is
 - significantly younger than the populations of other NHS regions
 - significantly more ethnically diverse than the populations of other NHS regions. Areas of ethnic diversity often coincide with areas of high deprivation, and both are factors correlated with vaccine hesitancy.
 - The working age population (18-60 year olds) in London is significantly more ethnically diverse than the older population. Working people are also more susceptible to transmission.
- In addition, London has a significantly more mobile population as an economic centre with additional populations commuting into London (e.g. c500k cross border movement of population to or from London to receive a vaccination dose).

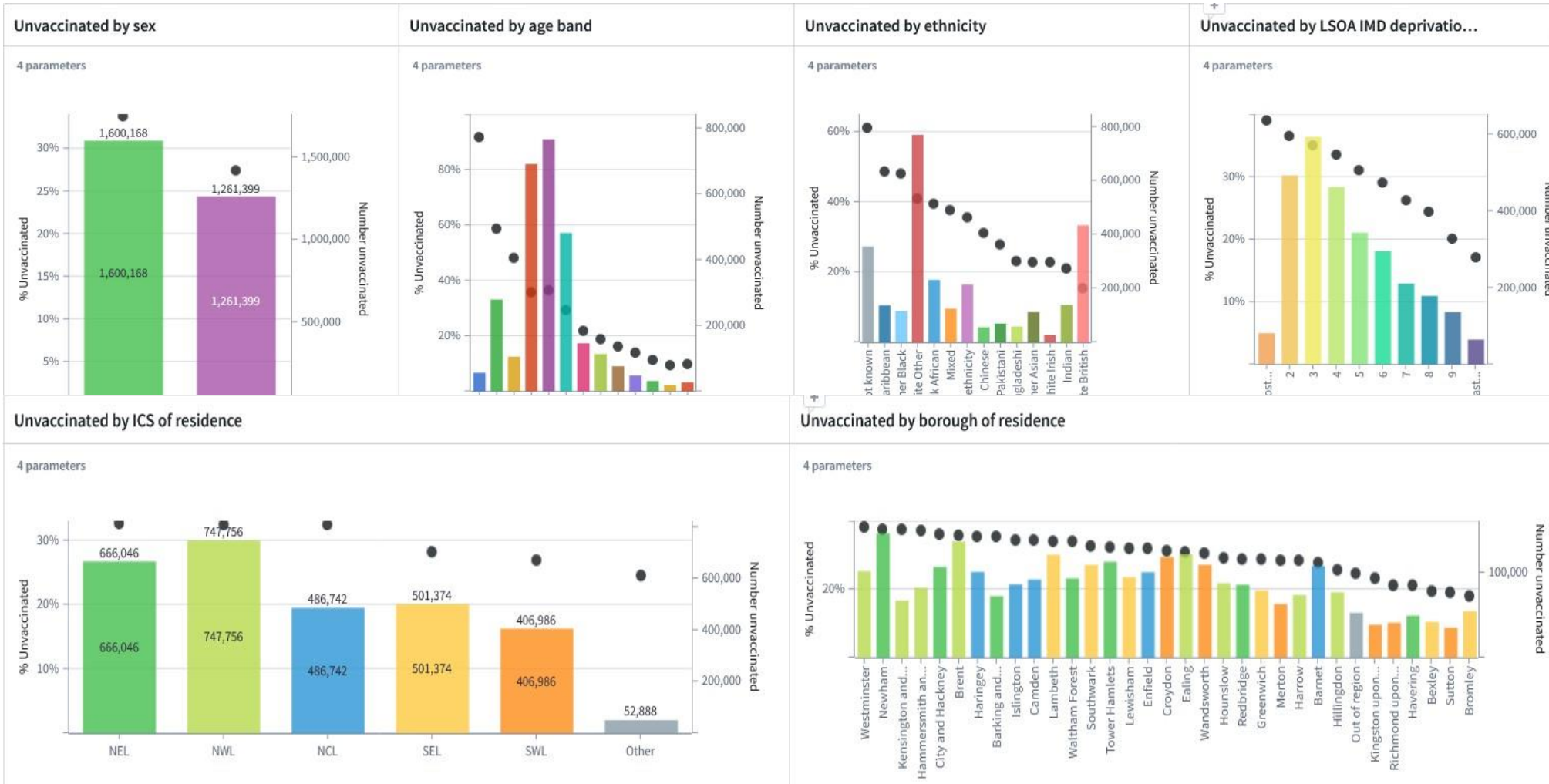
Those differences bring additional risk...

- As things stand, London is at increased risk of a disproportionate impact of further waves due to a combination of factors including:
 - relatively lower vaccine population coverage, with higher populations and lower uptake, among the sections of the populations most at risk of serious covid infection;
 - more rapid return to population movement and mixing in an urban environment;
 - resumption of international travel and the socio-demographic structure of the city.



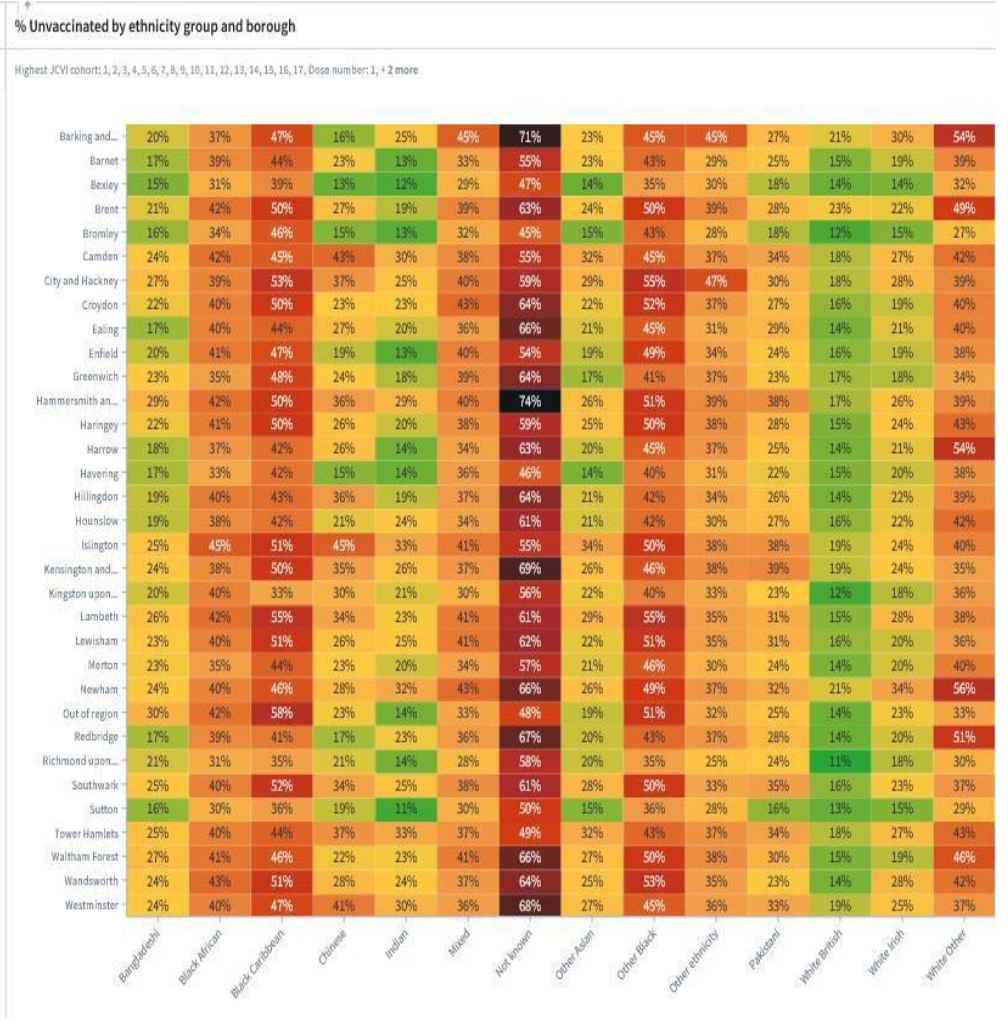
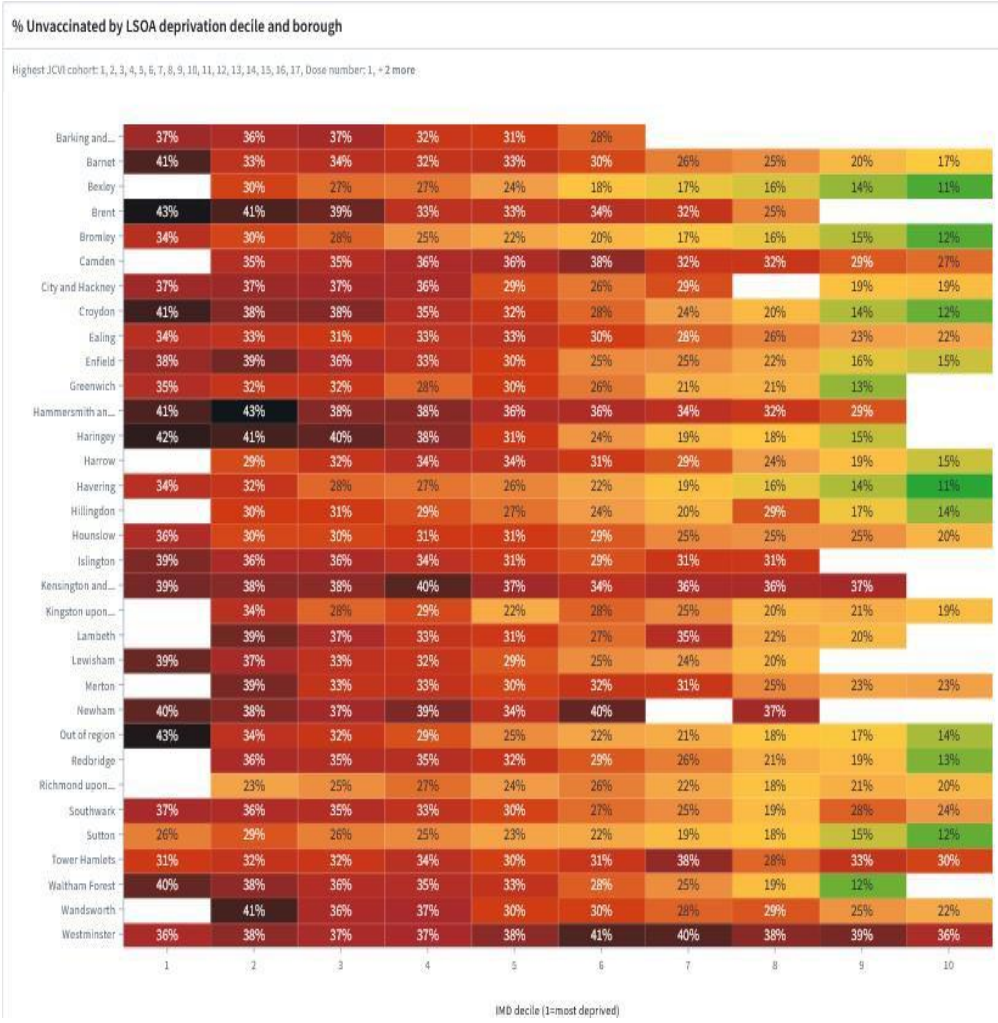
First dose unvaccinated summary

Unvaccinated (1st dose) London GP registered population, JCVI cohorts 1-17 by demographic factor. Source: NHS Foundry, vaccinations up to 19 June 2022.



First dose unvaccinated by borough

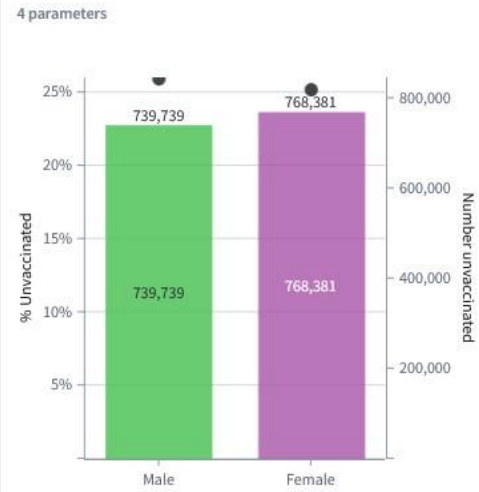
Unvaccinated (1st dose) London GP registered population, JCVI cohorts 1-17 by borough (vertical) and IMD 2019 LSOA deprivation decile/ethnicity group (horizontal). *Source: NHS Foundry, vaccinations up to 19 June 2022.*



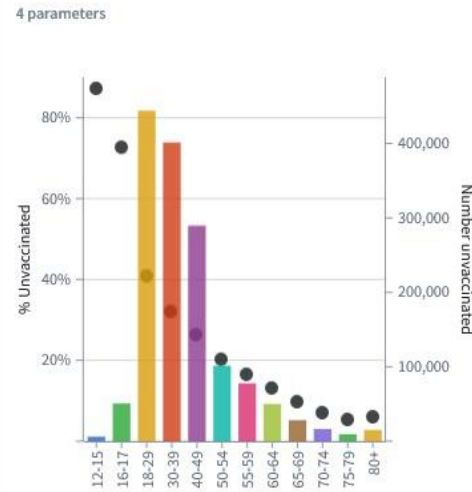
Eligible booster unvaccinated summary

Unvaccinated (booster dose) London GP registered population eligible for booster dose, JCVI cohorts 1-15 with second dose >3 months prior, by demographic factor. *Source: NHS Foundry, vaccinations up to 19 June 2022.*

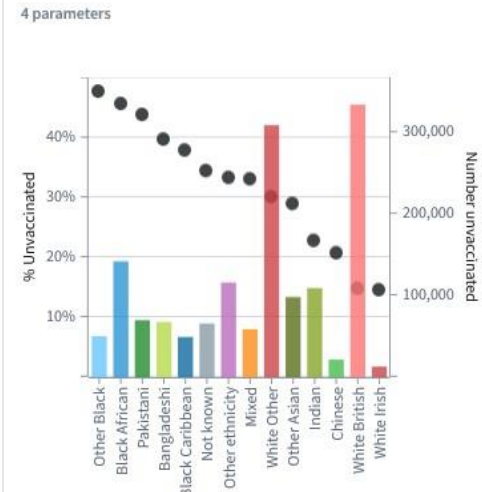
Unvaccinated by sex



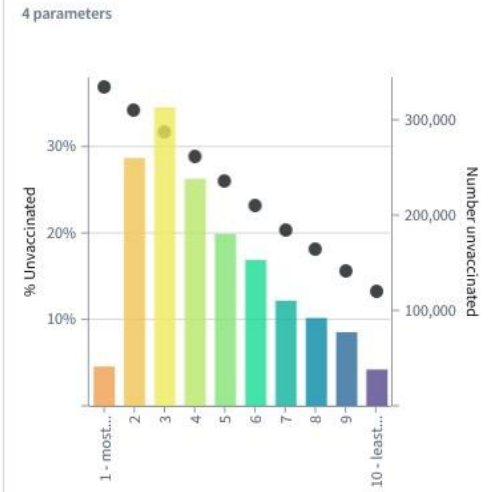
Unvaccinated by age band



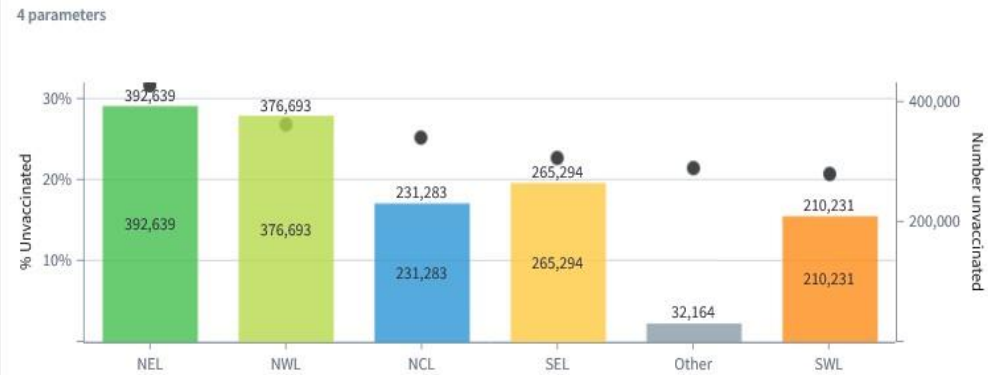
Unvaccinated by ethnicity



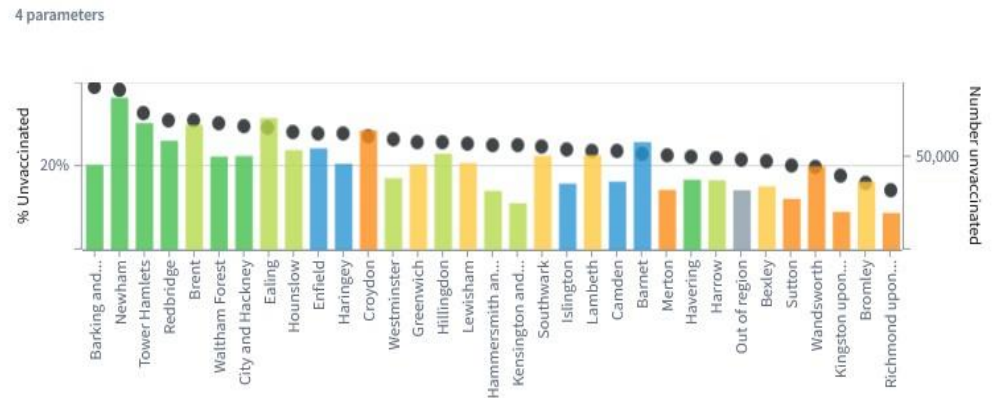
Unvaccinated by LSOA IMD deprivation



Unvaccinated by ICS of residence

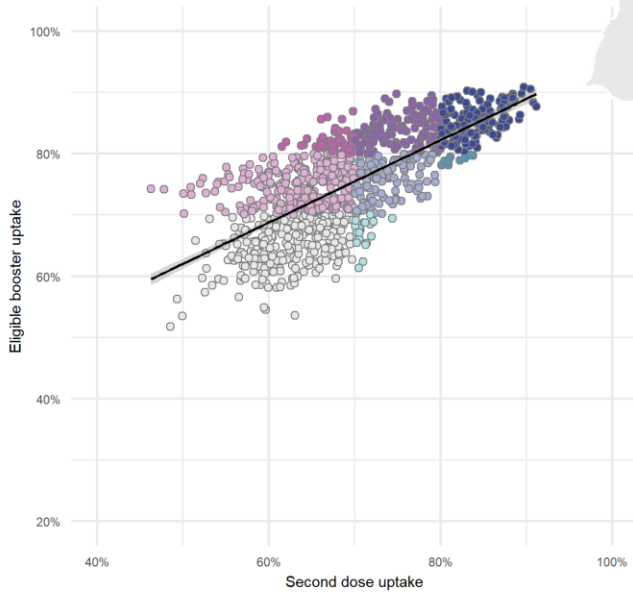
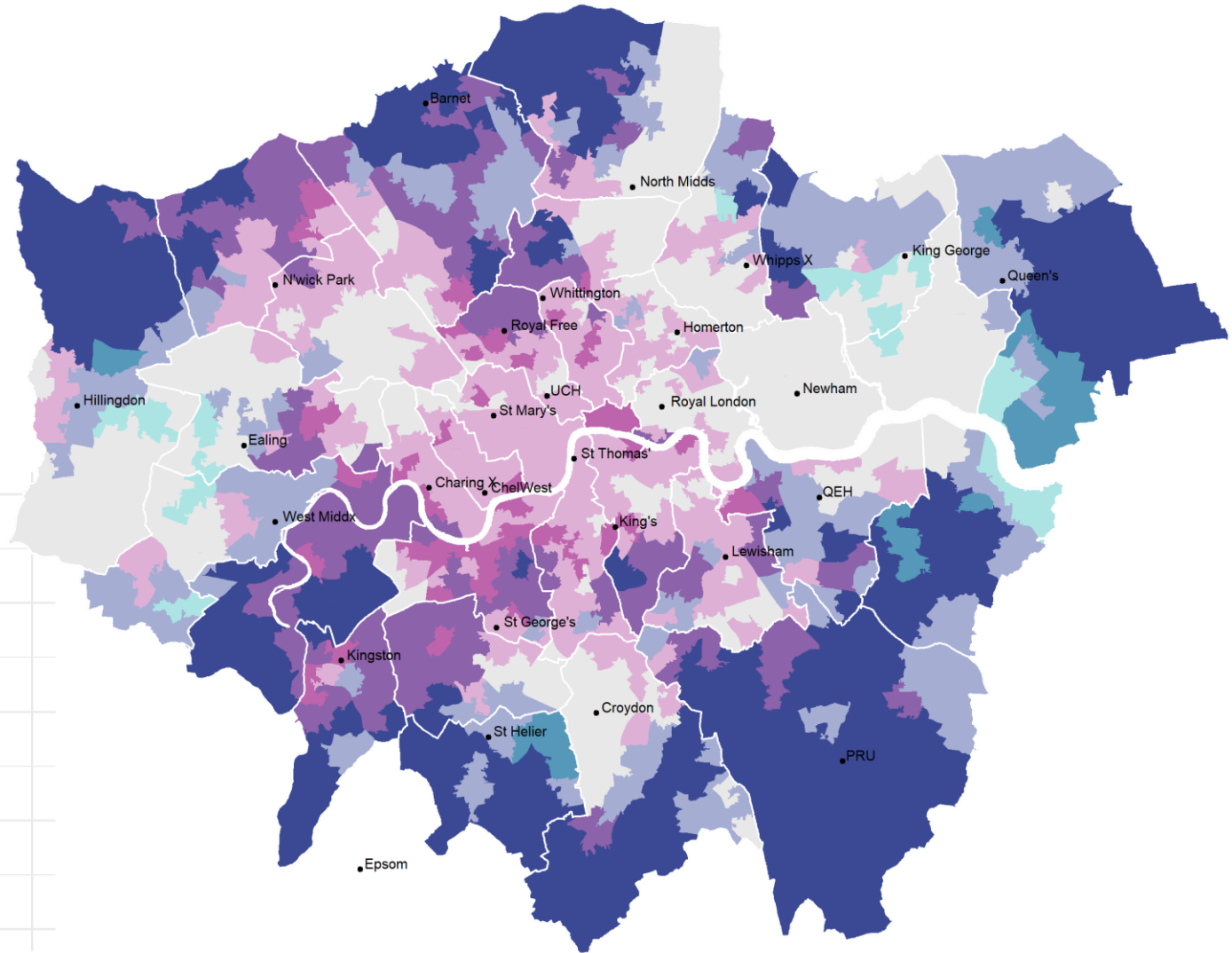
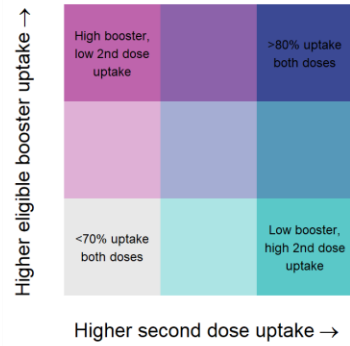


Unvaccinated by borough of residence



19 June 2022 - Booster and second dose uptake across London

Eligible booster dose uptake and second dose uptake for cohorts 1-12 for Middle Super Output Areas (MSOAs)



Locations of Type 1 A&Es are overlaid | Source: NHS Foundry | NHS London Region Planning and Performance Team COVID-19 Programme

London: First dose unvaccinated population by ethnicity and age band

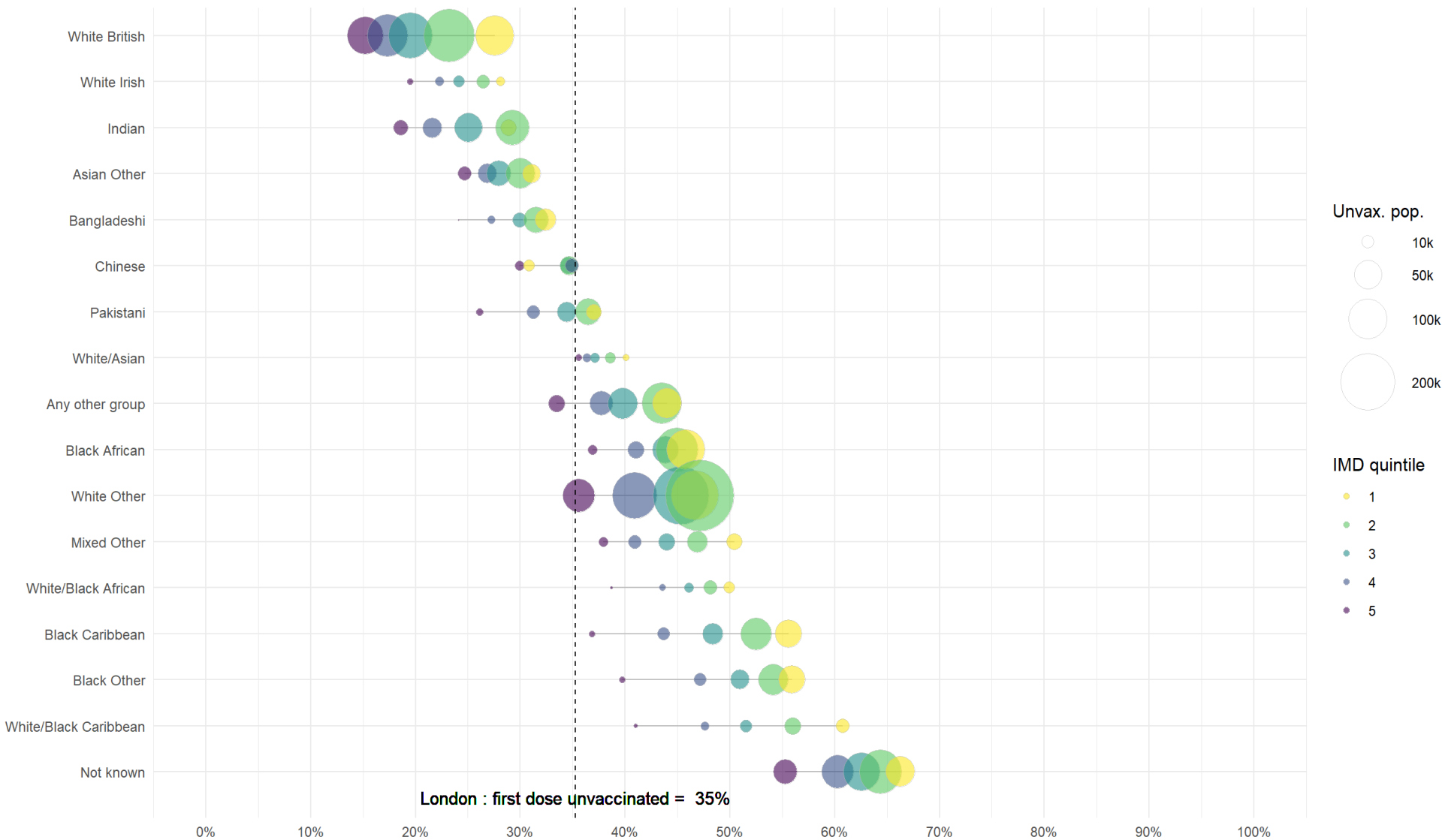
GP registered population aged 5 and over. Uptake as of 19 June 2022



Source: NHS Foundry | NHS London Region Planning and Performance Team COVID-19 Programme

London: First dose unvaccinated population by ethnicity and deprivation quintile

GP registered population aged 5 and over. Uptake as of 19 June 2022

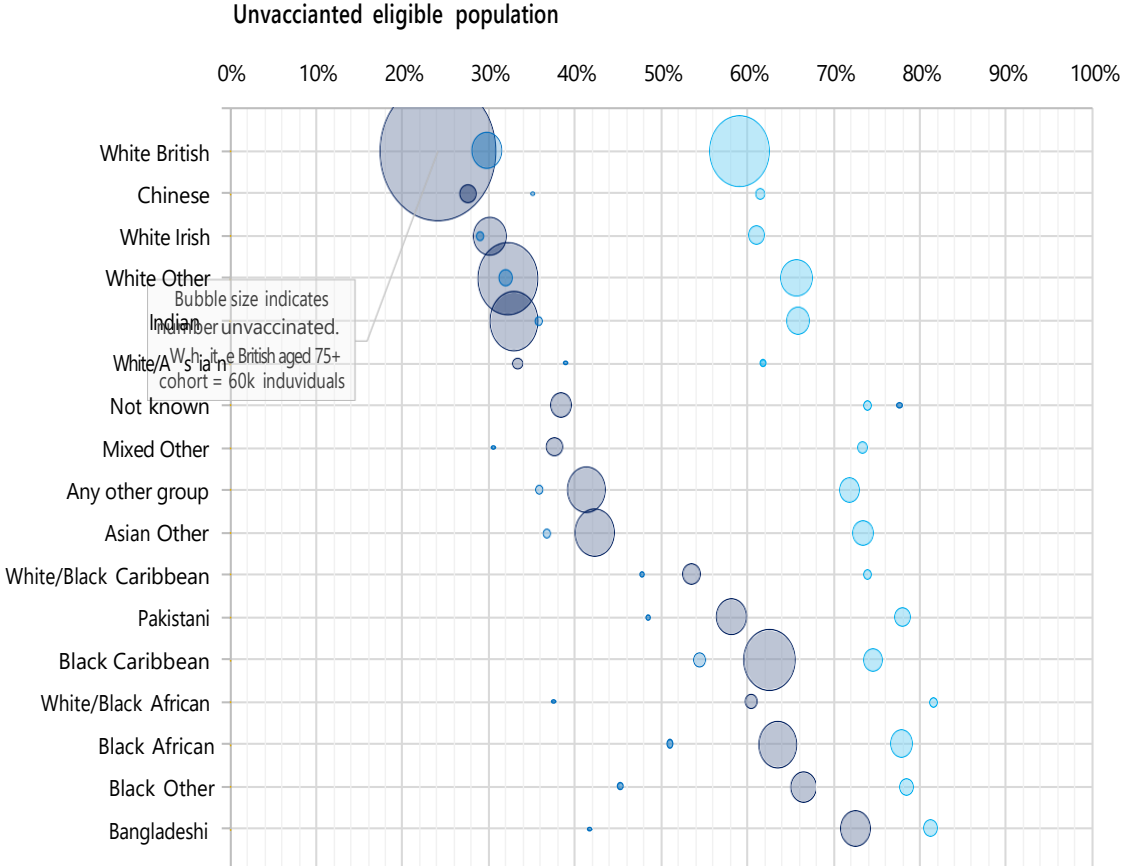


London: Spring booster unvaccinated eligible population by ethnicity and cohort

Eligible GP registered population. Uptake as of 19 June 2022

● Aged 75+ ● Care Home Resident ● Immuno-suppressed

Ethnicity	Care Home Resident	Immuno-suppressed	Aged 75+	Total
White British	29.7%	59.1%	24.1%	27.5%
Chinese	35.1%	61.5%	27.5%	31.6%
White Irish	29.0%	61.2%	30.1%	32.6%
White Other	31.9%	65.7%	32.2%	35.9%
Indian	35.8%	65.9%	32.9%	36.0%
White/Asian	38.9%	61.8%	33.2%	37.0%
Not known	77.6%	73.9%	38.3%	40.5%
Mixed Other	30.5%	73.3%	37.7%	42.8%
Any other group	35.9%	71.8%	41.3%	44.8%
Asian Other	36.9%	73.4%	42.3%	45.7%
White/Black Caribbean	47.8%	73.9%	53.5%	55.6%
Pakistani	48.4%	78.0%	58.2%	60.6%
Black Caribbean	54.4%	74.5%	62.5%	63.1%
White/Black African	37.5%	81.6%	60.4%	63.9%
Black African	51.0%	77.8%	63.4%	66.0%
Black Other	45.3%	78.4%	66.4%	67.5%
Bangladeshi	41.7%	81.3%	72.5%	73.6%
Total	32.6%	64.5%	31.5%	34.8%



Source: NHS Foundry, based on national 'Spring booster reporting combined' Contour report. This includes individuals identified from the three eligible cohorts who have completed their primary course or received a booster dose prior to 1 March 2022. Individuals who have received a booster dose between 1 March and 21 March 2022 are excluded from the eligible cohort.

NHS London Region Planning and Performance Team COVID-19 Programme

Comparing variation in uptake between cohorts

This appendix shows the inequality in uptake between minority ethnic communities compared to the White British population. This visualisation is intended to demonstrate how the vaccine programme has successfully reached some communities, but still has work to do to ensure all communities reach an equal level of vaccine uptake.

In general the White British population has the highest uptake of all ethnic groups within the London region. We therefore use this as the benchmark to identify if actions being taken are contributing towards reducing inequalities in uptake for minority ethnic communities. The charts demonstrate how we are serving some of our communities, and different age groups within communities, better than others. This benchmark is not intended to implicate or blame communities for the level of vaccine uptake.

Effective reduction in inequalities would see the lines in the charts below converge back towards 0%. The higher the lines, the greater the level of inequality in vaccine uptake.

Cohort groupings in each chart are defined in the table on the right. →

Note on Booster uptake

Booster uptake is against the total population in JCVI cohorts 1-15.

However, patients have only been eligible for a booster 3 months (previously 6 months), after their second dose. This means some patients are not yet eligible for a booster dose.

Patients who received a received a 2nd dose early on in phase 1 of the vaccination program will be eligible for a booster dose before those who had their vaccinations later. As uptake was highest in the White British population eligibility for a booster dose will be a driver for the uptake gap across most communities for the initial months of the booster programme.

Source: NHS Foundry

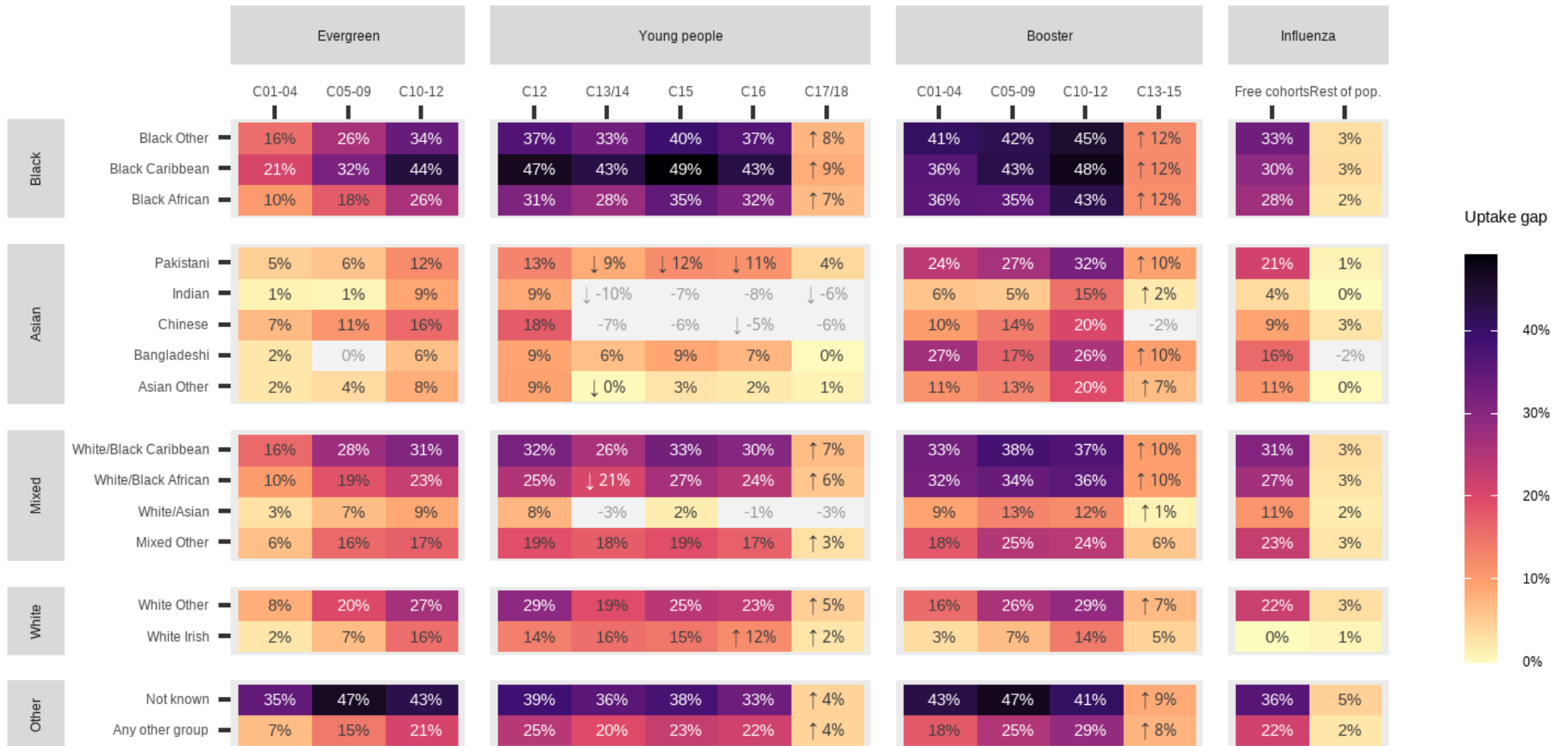
Chart	Cohort	Population
COVID Evergreen offer, 1st dose	C1-4	Care home resident and staff, Health and Social care workers, Clinically Extremely Vulnerable (CEV), aged 70+
	C5-9	16+ at risk, aged 50-69
	C10-12	Aged 18-49
COVID Young People, 1st dose	C12	Aged 18-29
	C13/14	12-15 at risk, 12-17 household contacts of immunosuppressed
	C15	Aged 16-17
	C16	Aged 12-15
	C17/18	5-11 at risk, 5-11
COVID Booster	C1-4	<i>As above</i>
	C5-9	
	C10-12	
	C13-15	
Influenza vaccine	Free cohort	Aged 2-16 and 50+, Care Home Residents, Flu at risk, Health and Social care Workers, Immunosuppressed and household contacts, Pregnant women
	Other	Rest of population

Uptake gap summary: Uptake by ethnic groups compared to White British population

The latest week-on-week change in the uptake gap between each ethnicity grouping and the White British ethnicity group for latest week is indicated by the arrow.

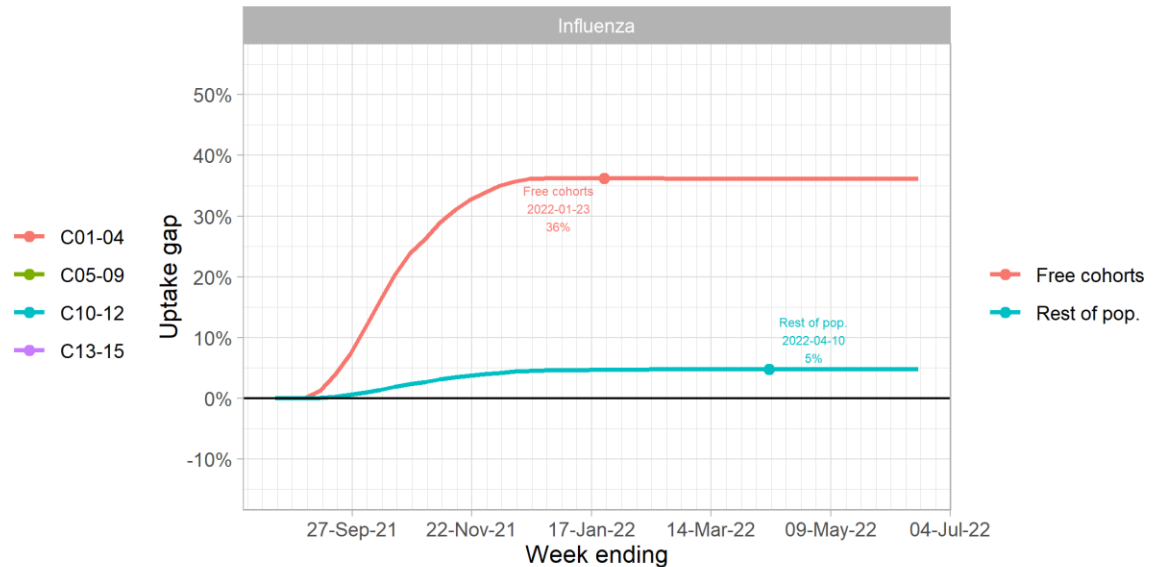
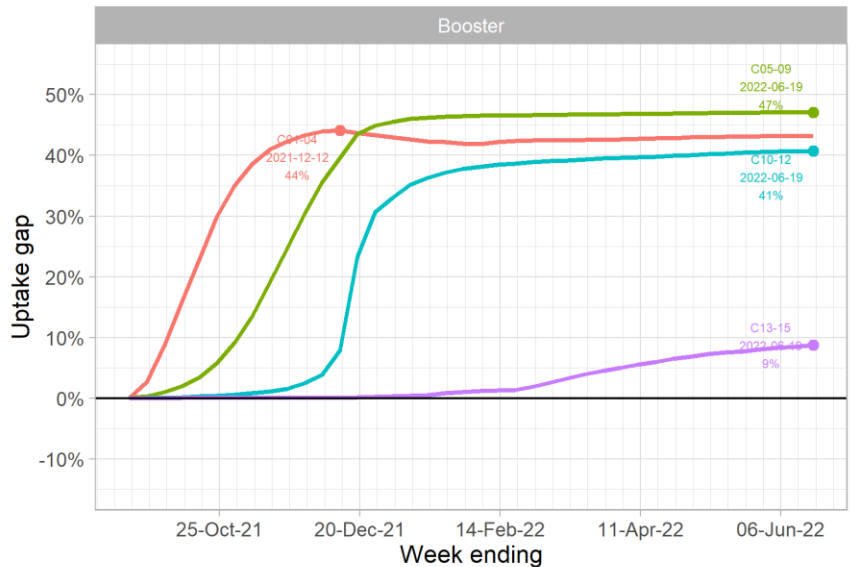
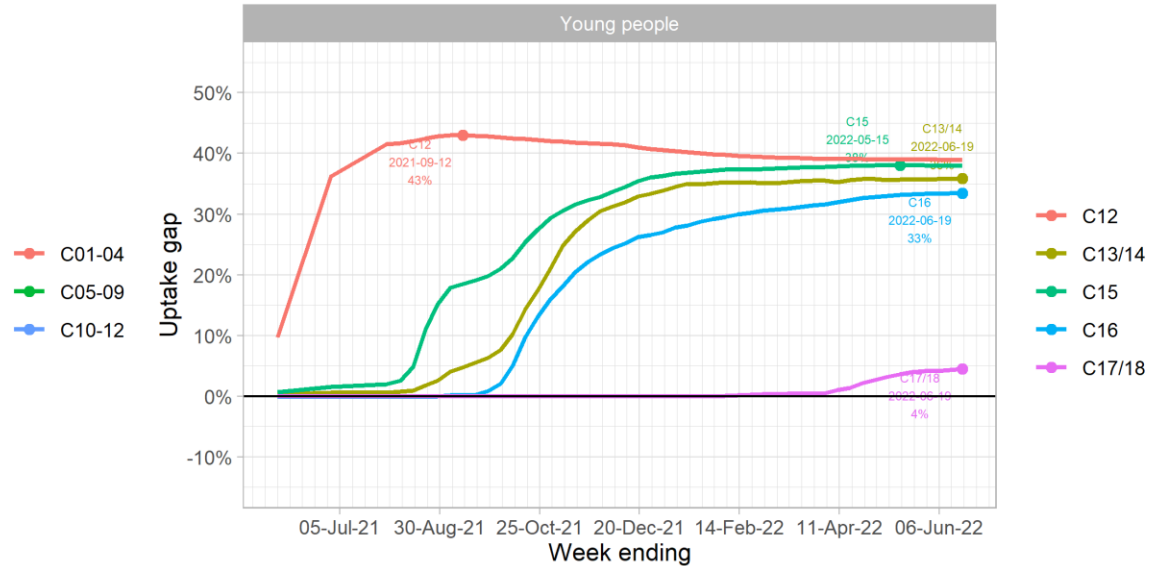
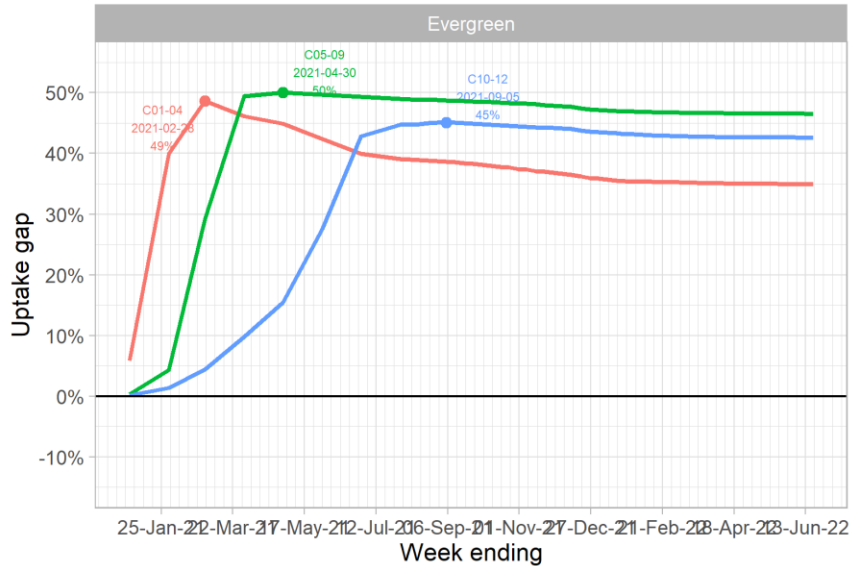
An arrow is only shown if the change is greater than 1 decimal place.

The magnitude of the uptake gap between each ethnicity grouping and the White British ethnicity group since the start of the programme is shown by the colour and number



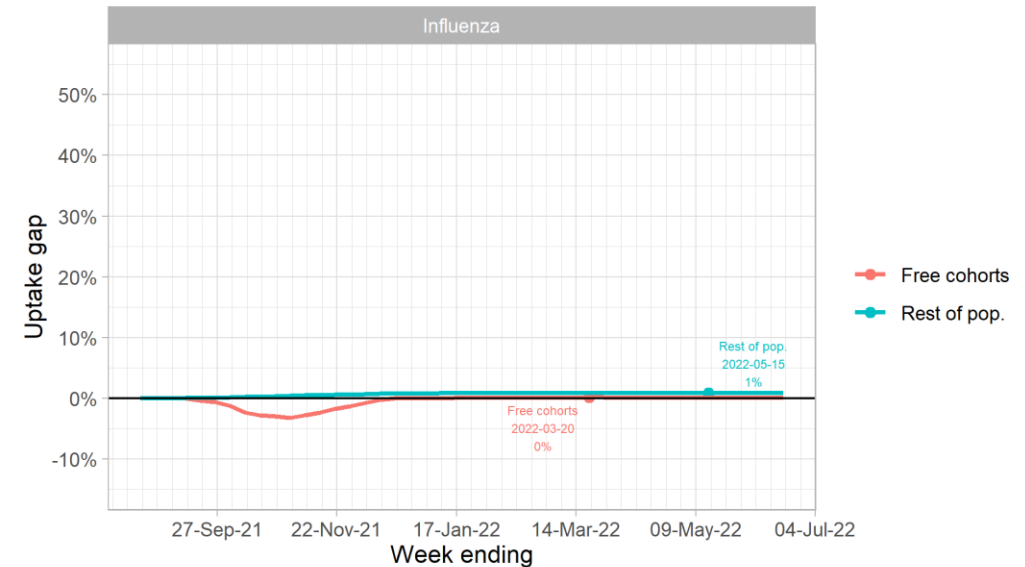
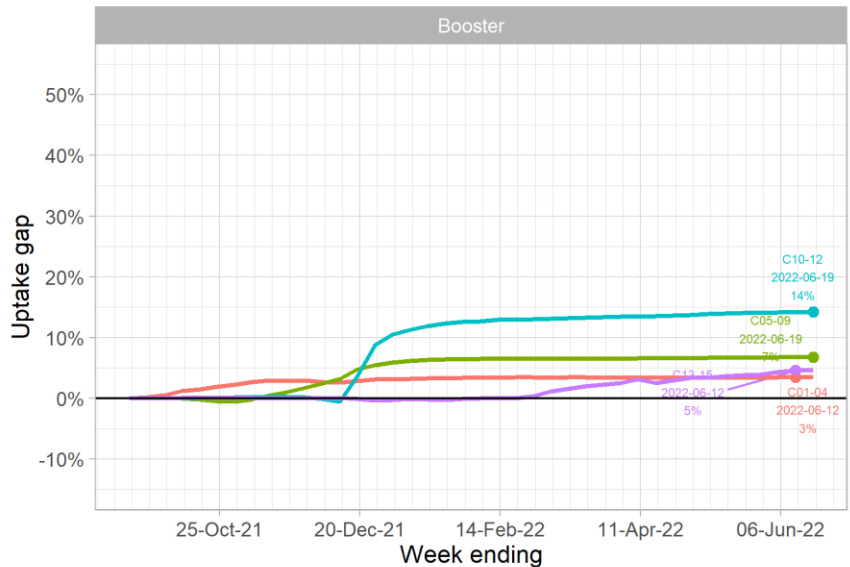
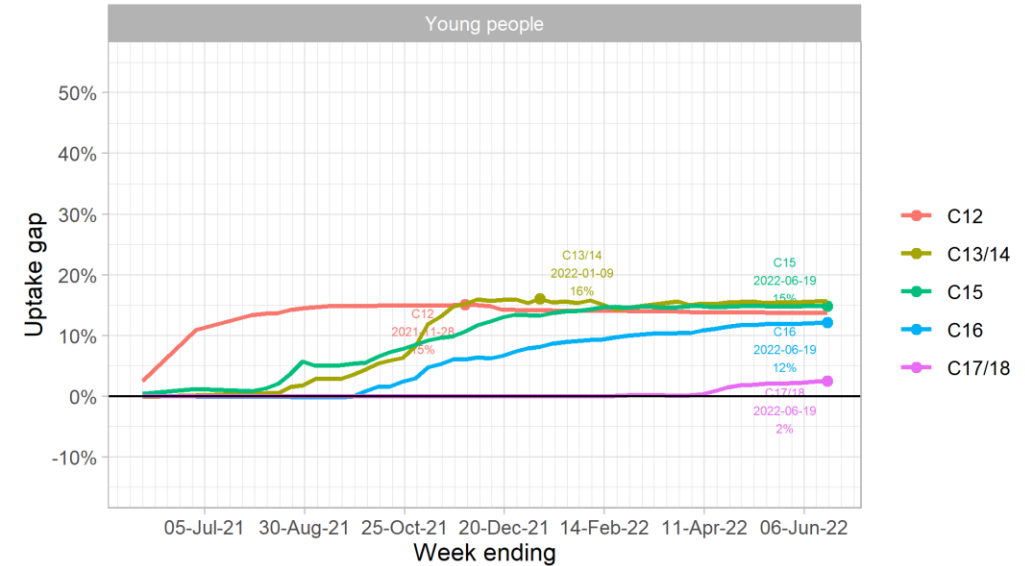
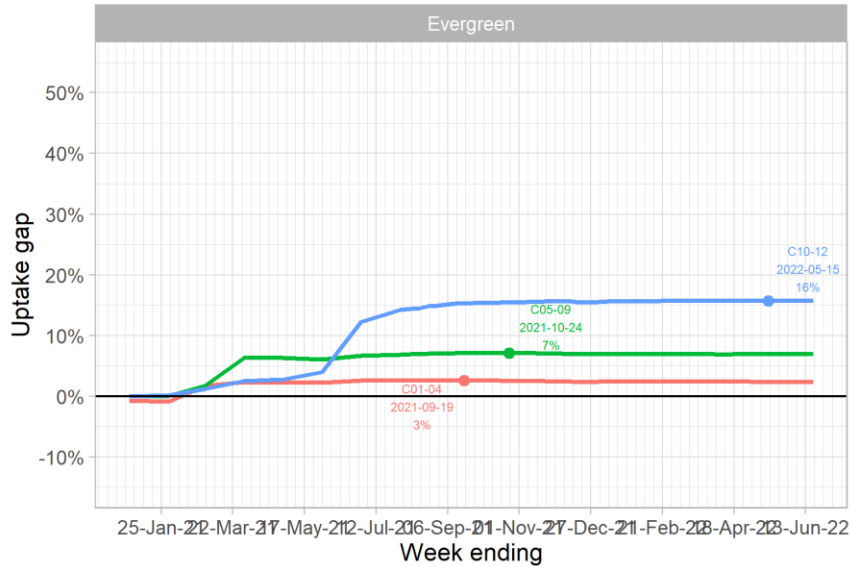
Source: NHS Foundry | NHS London Region Planning and Performance Team COVID-19 Programme

London: Uptake gap between Unknown ethnicity group and the White British population



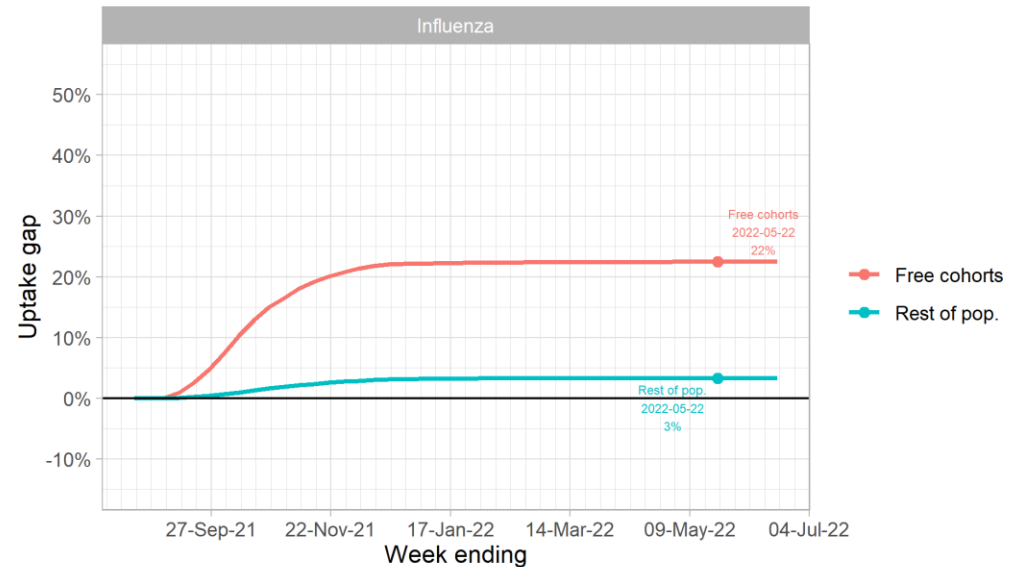
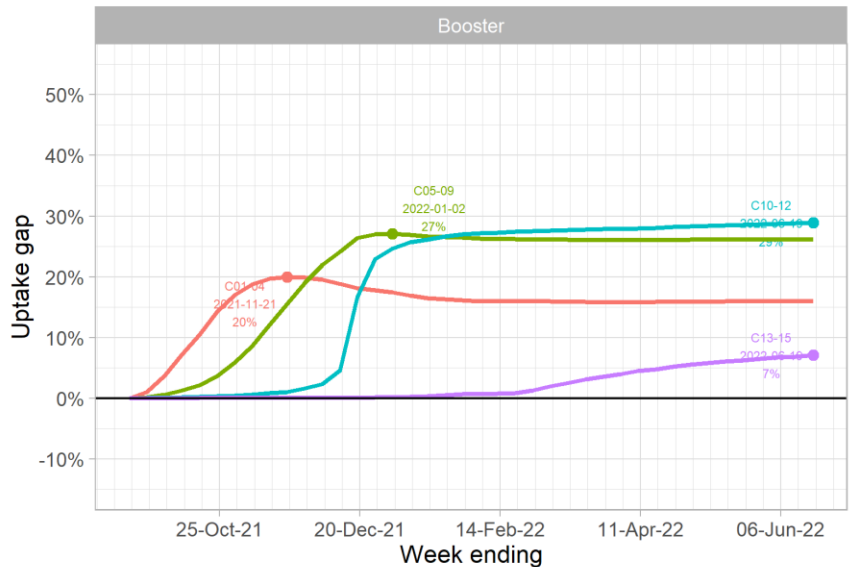
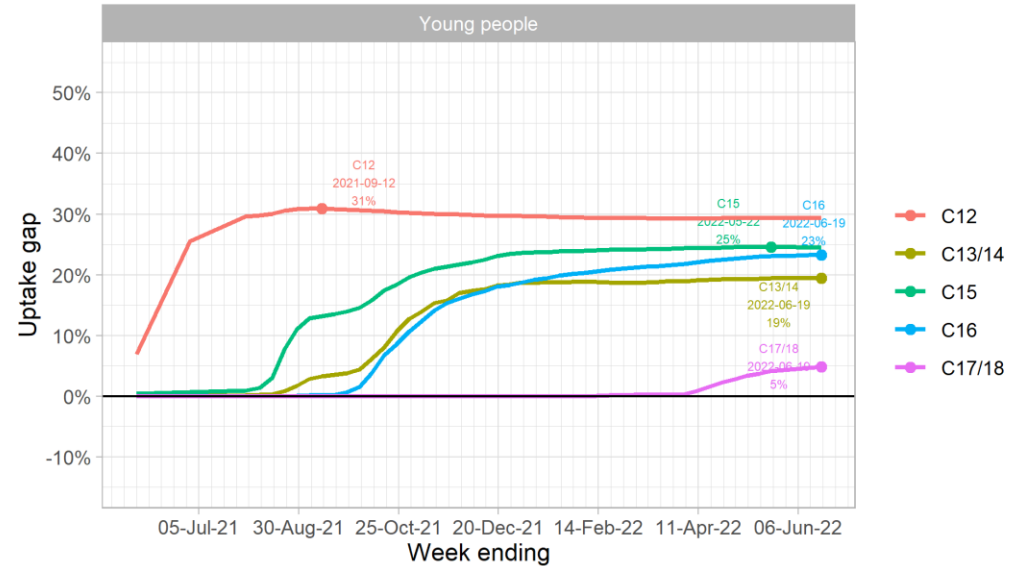
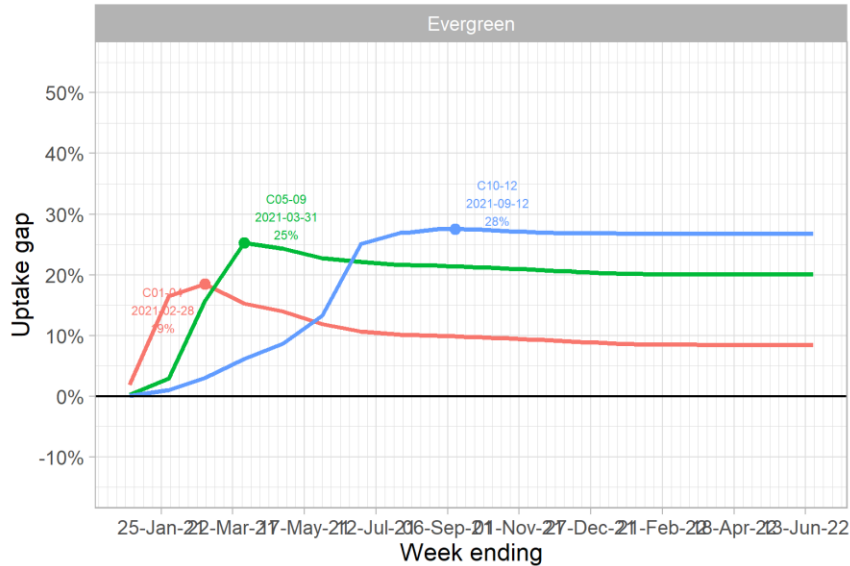
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart.
 *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between the White Irish community and the White British population



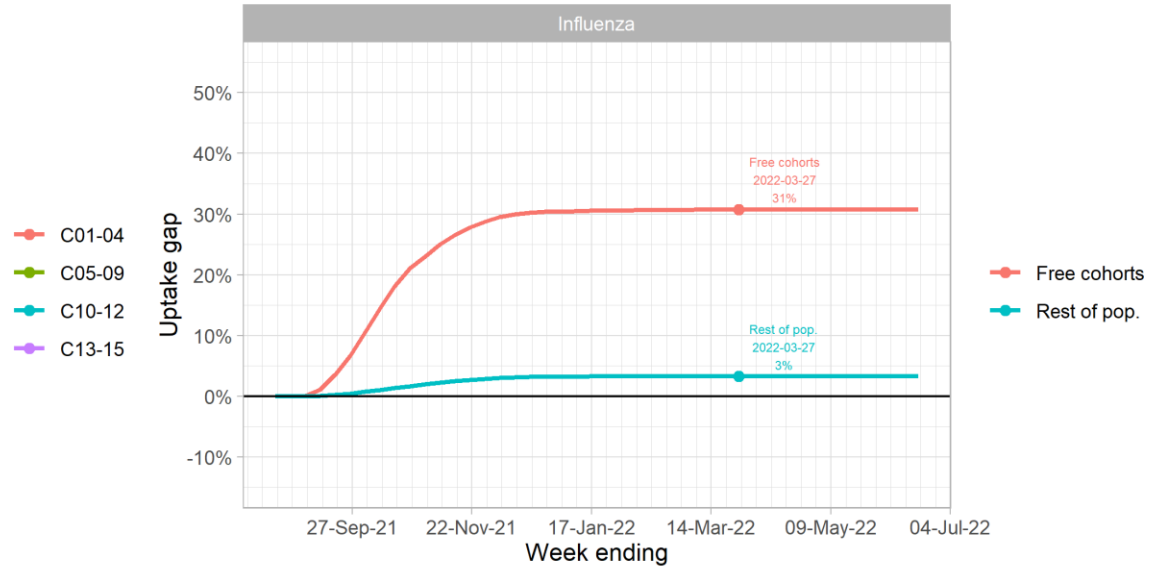
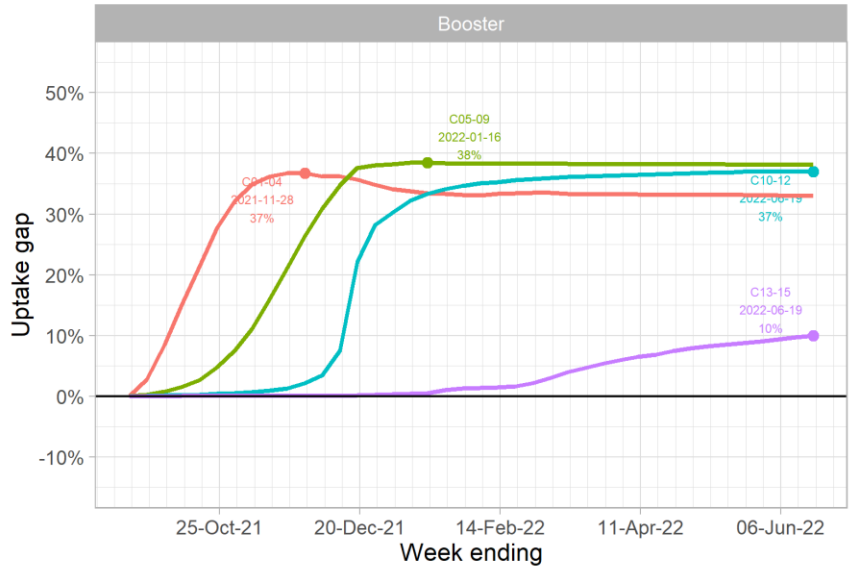
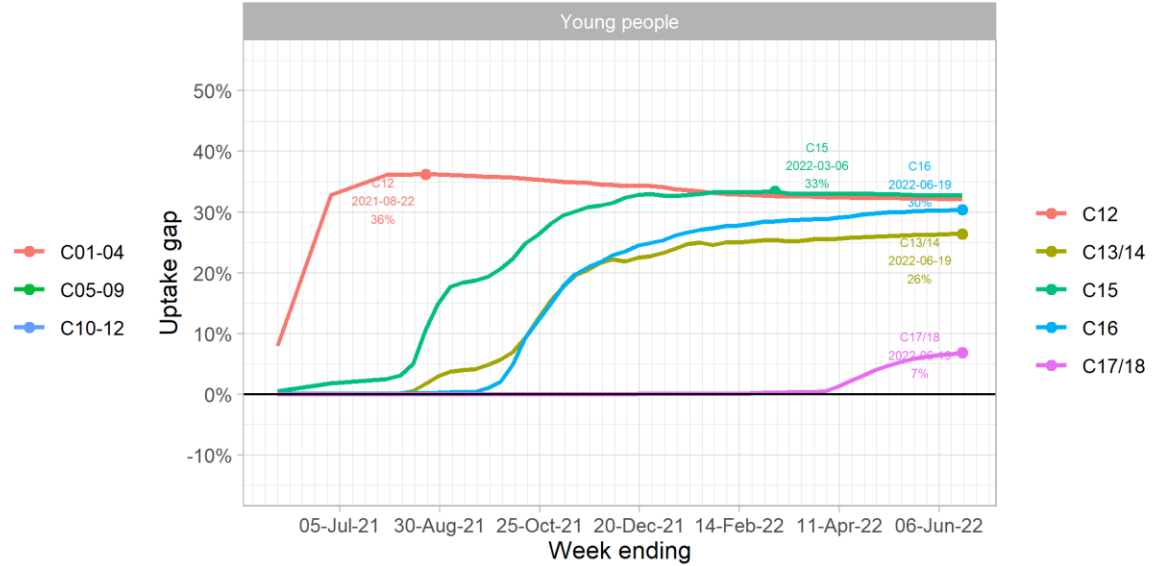
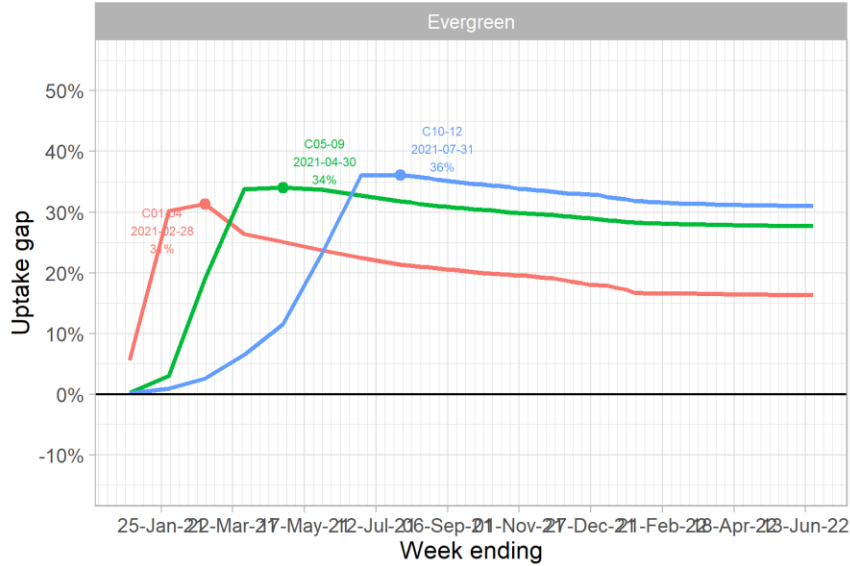
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London: Uptake gap between Any Other White groups and the White British population



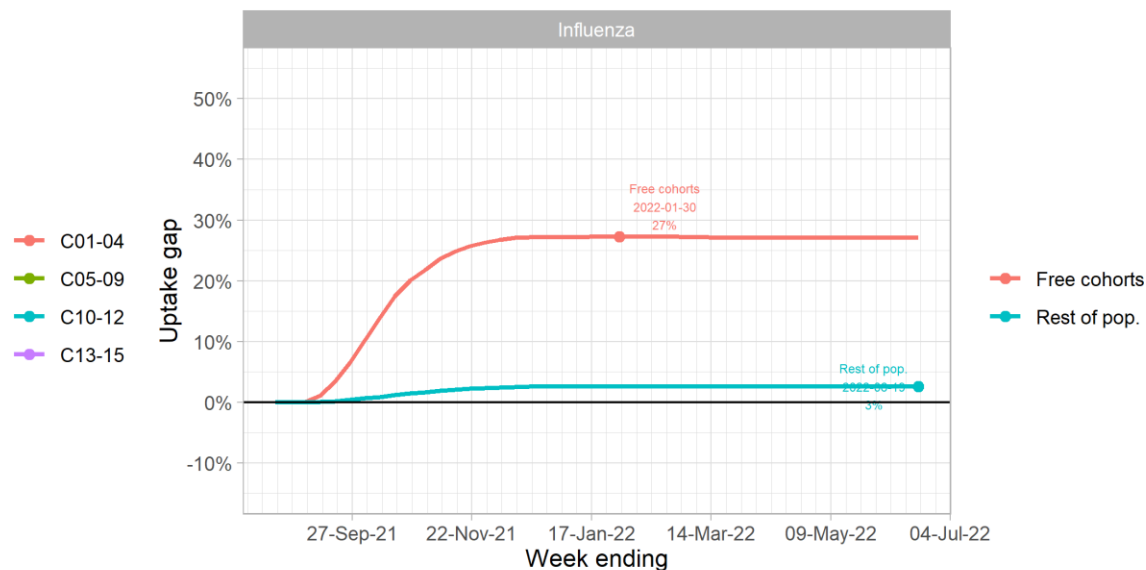
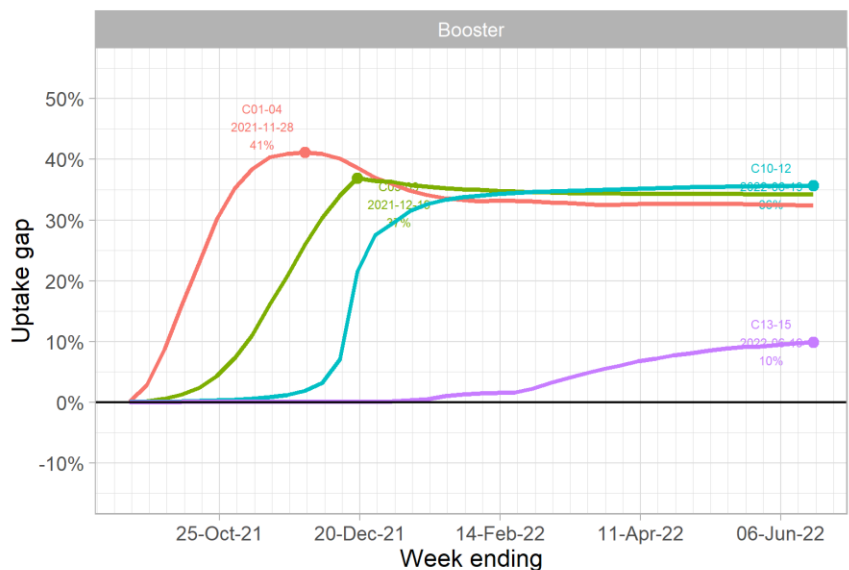
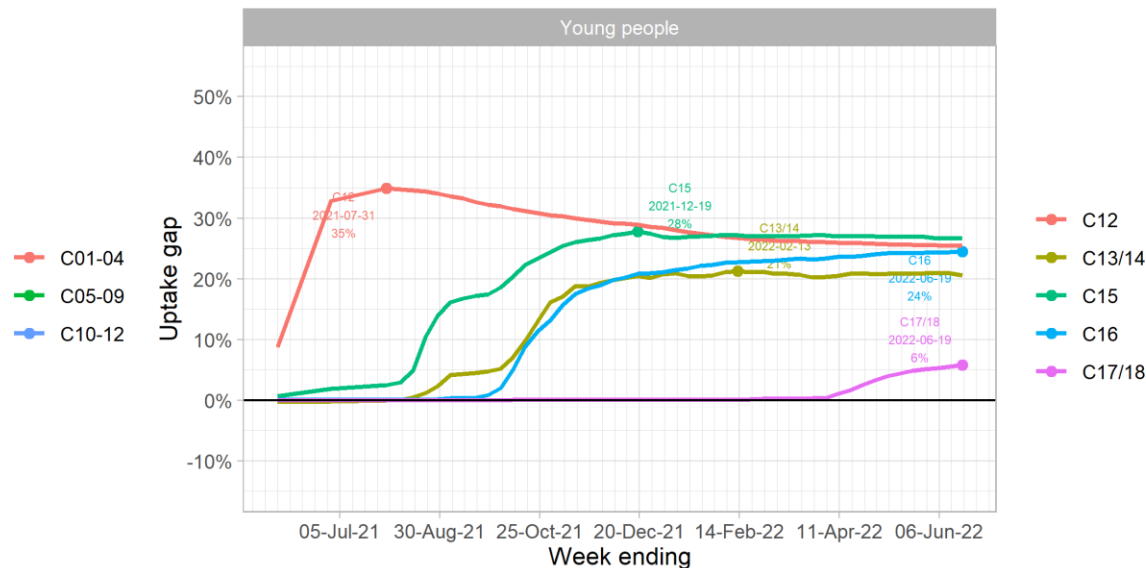
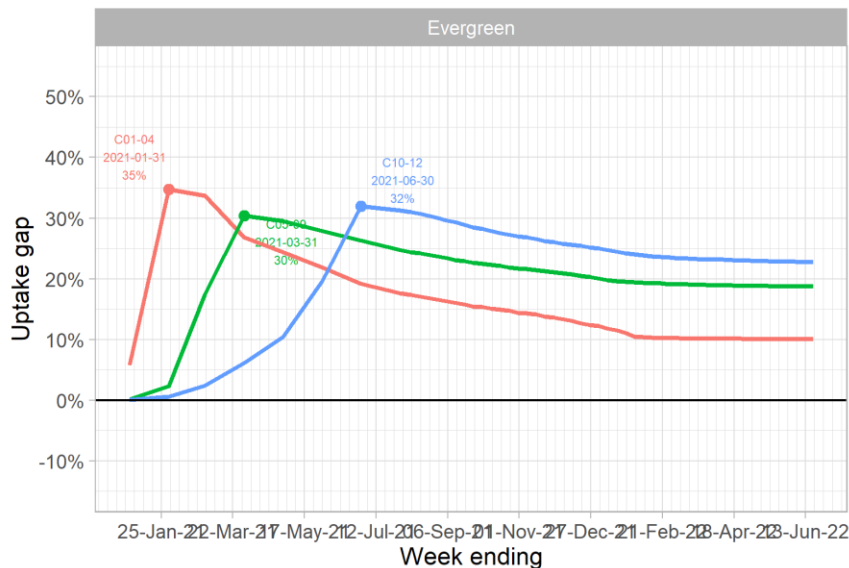
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London: Uptake gap between the Mixed White/Black Caribbean community and the White British population



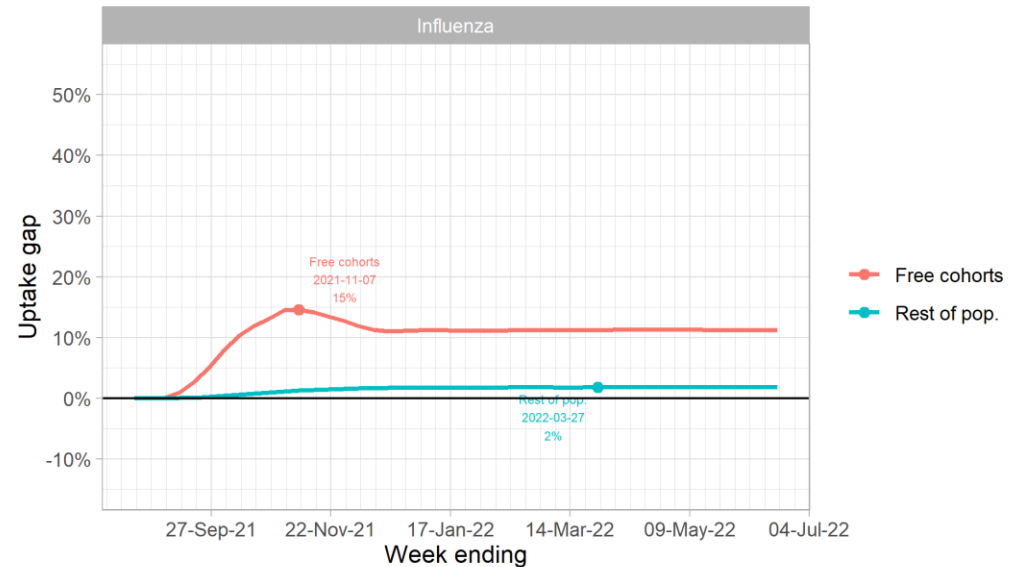
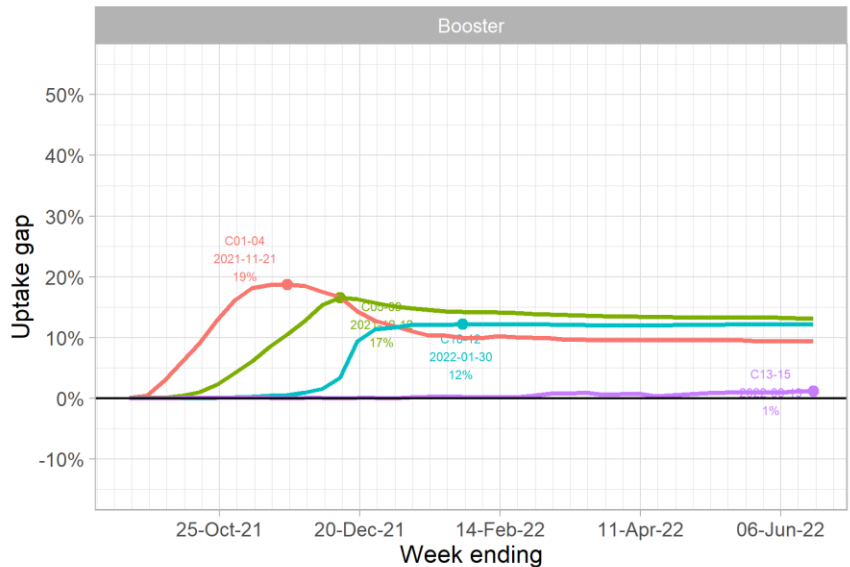
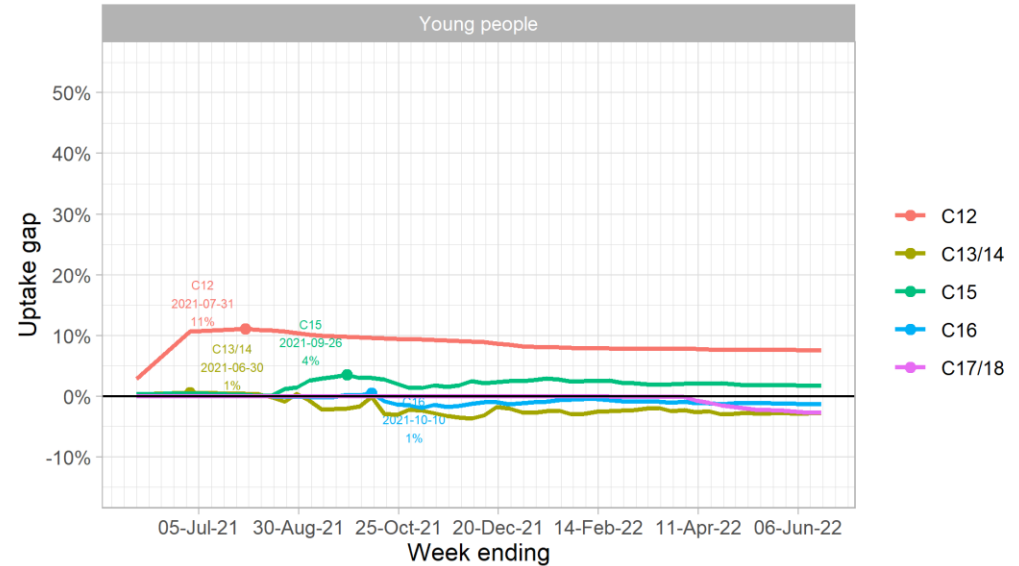
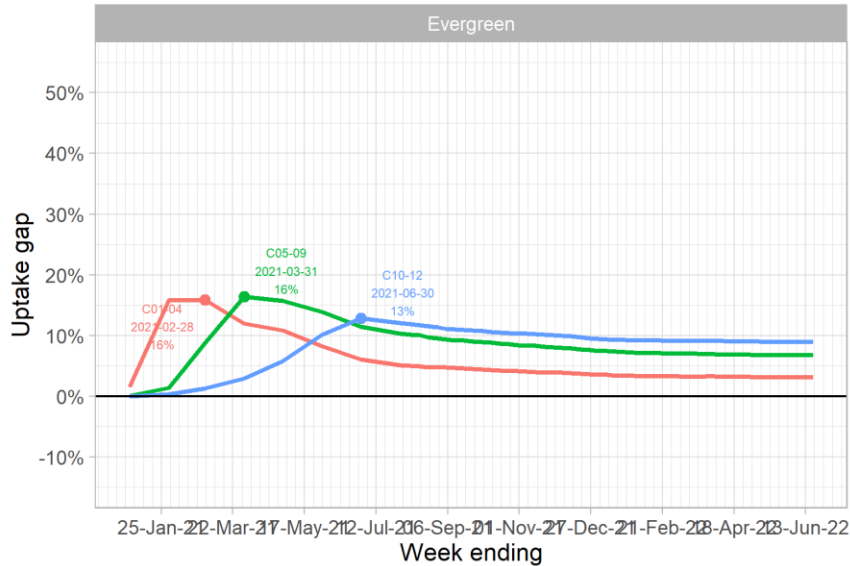
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London: Uptake gap between the Mixed White/Black African community and the White British population



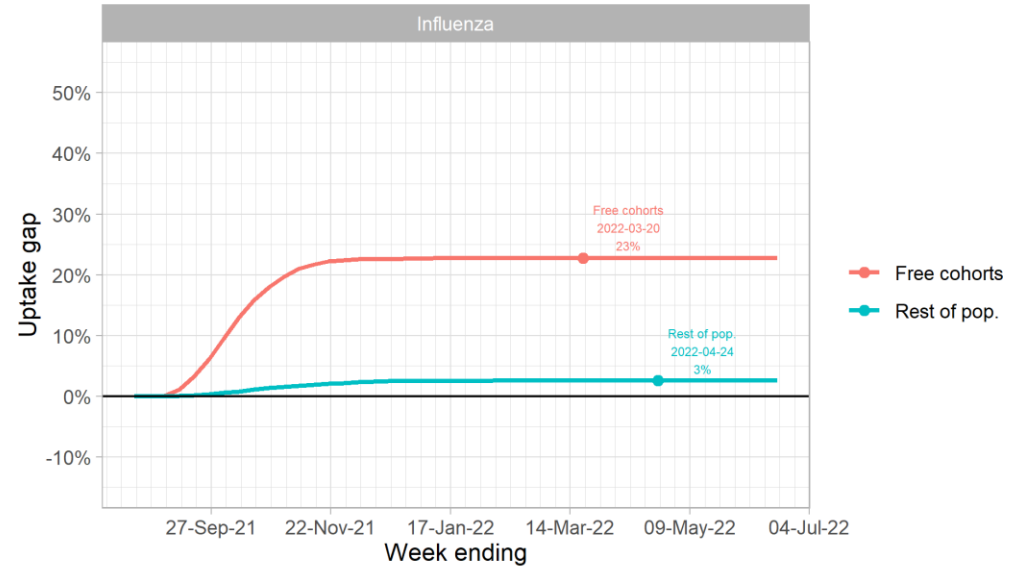
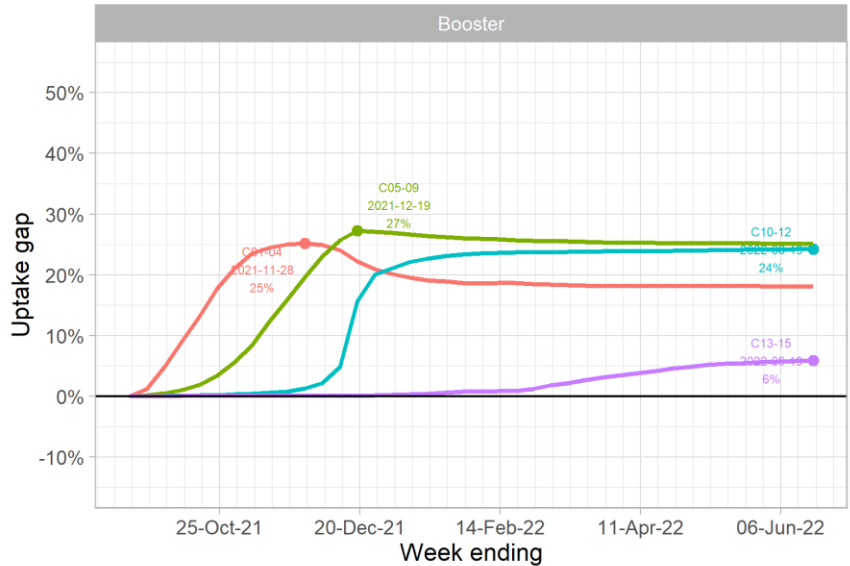
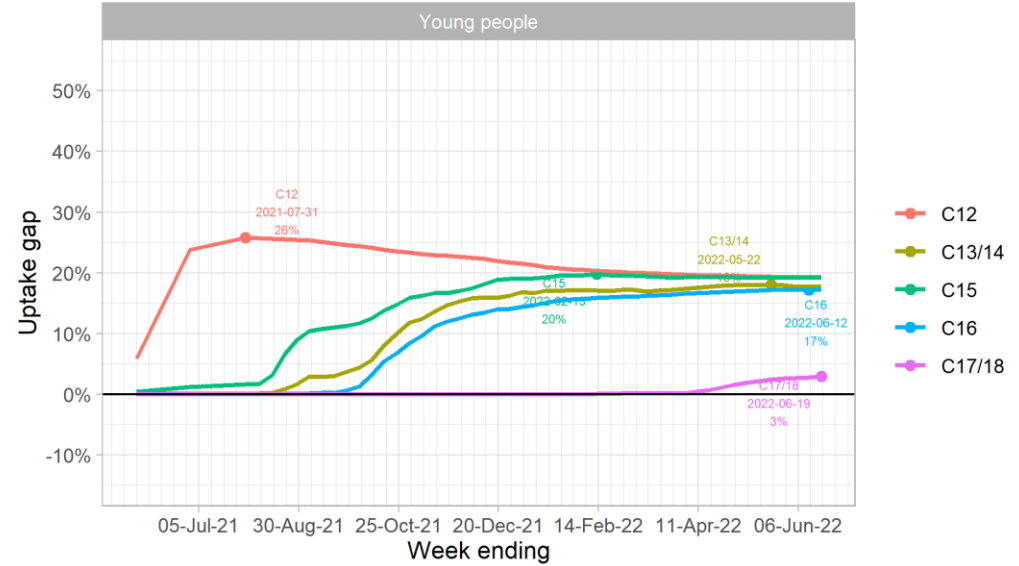
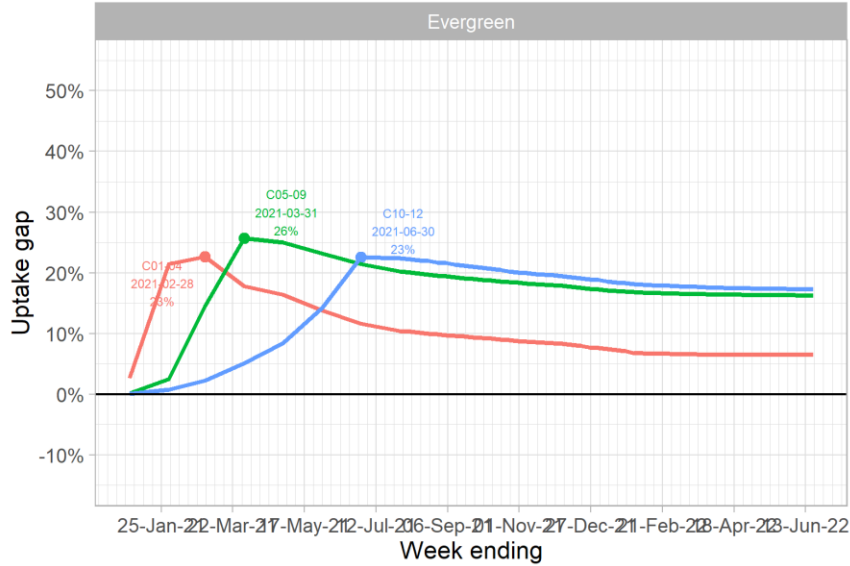
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London: Uptake gap between the Mixed White/Asian community and the White British population



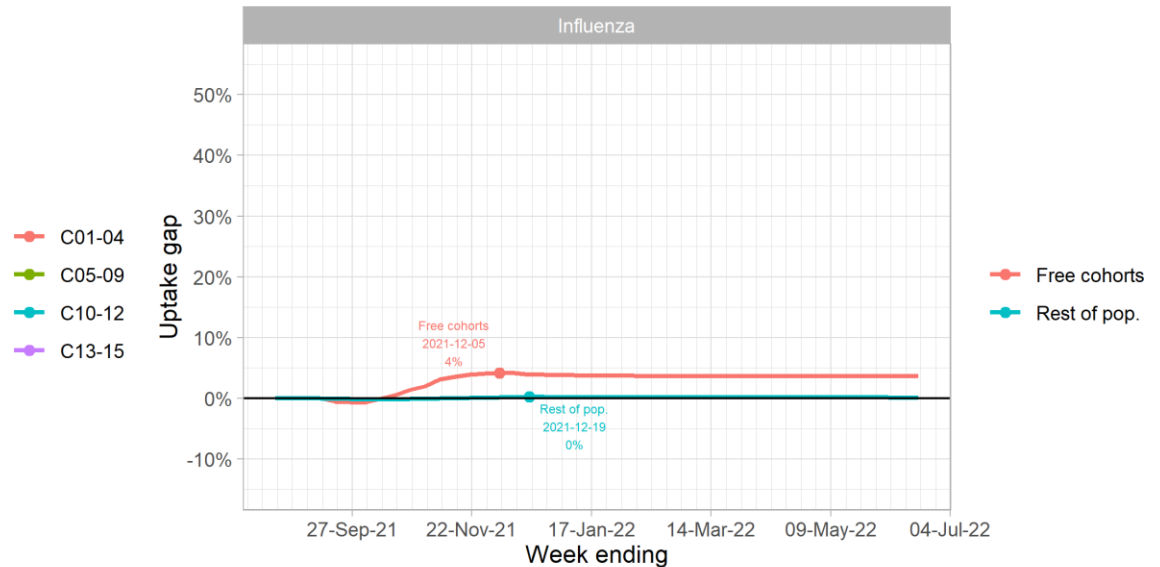
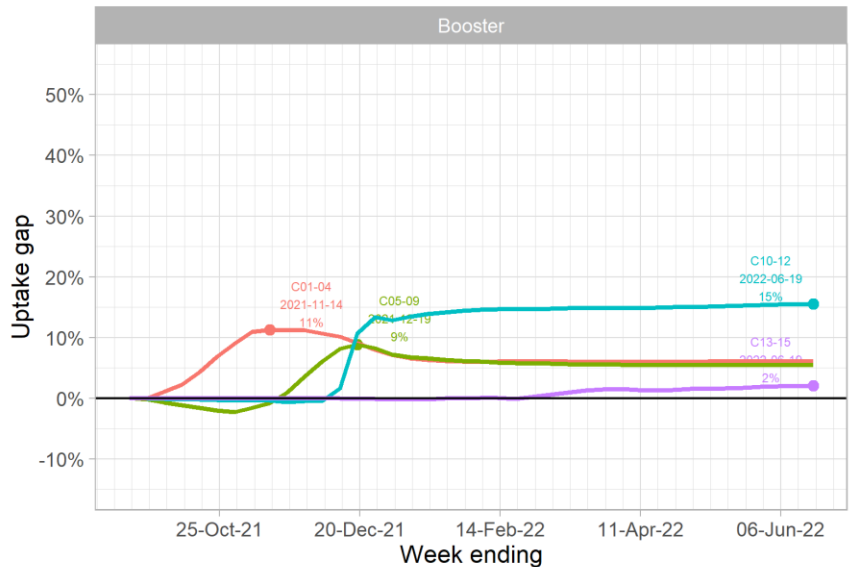
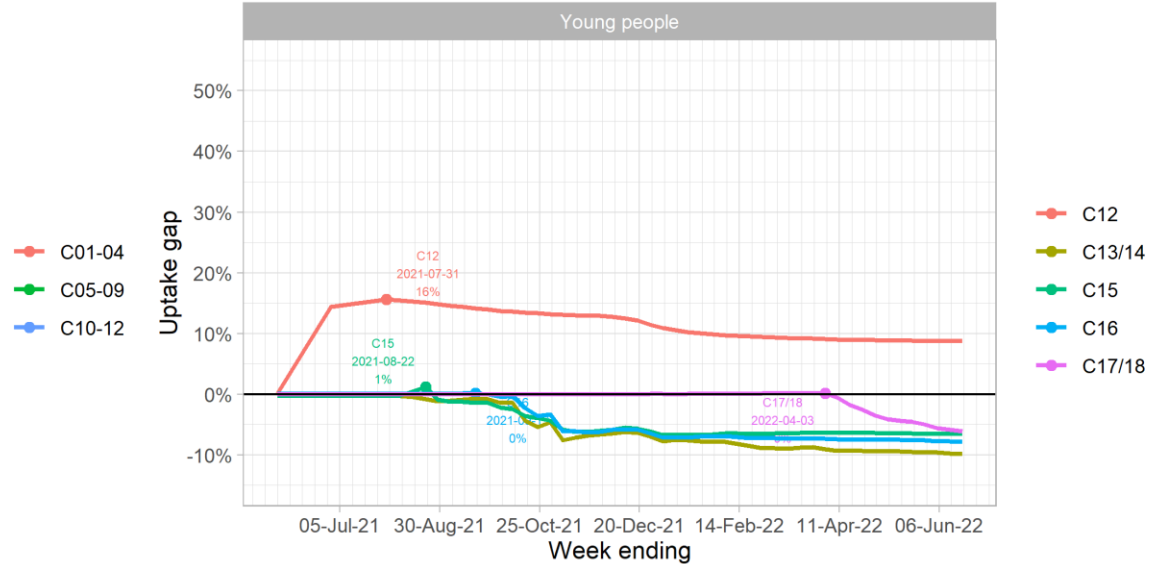
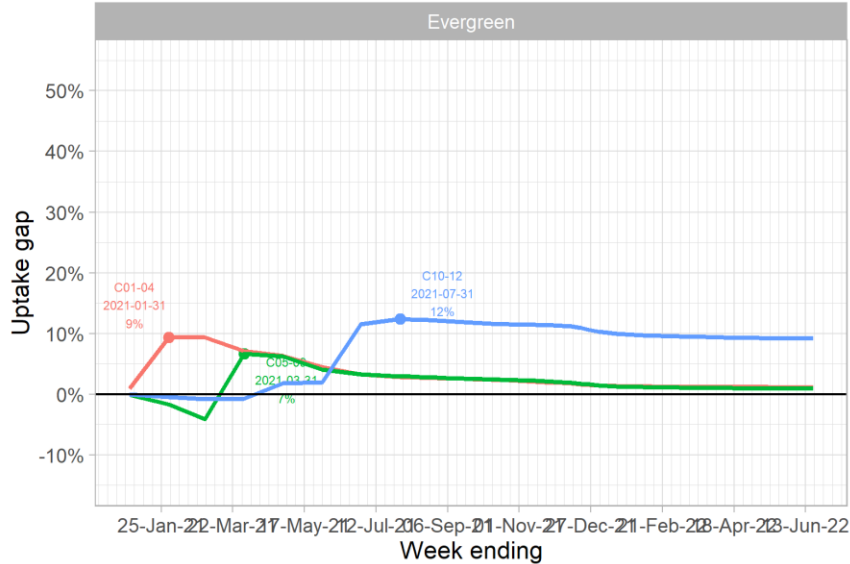
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London: Uptake gap between Any Other Mixed groups and the White British population



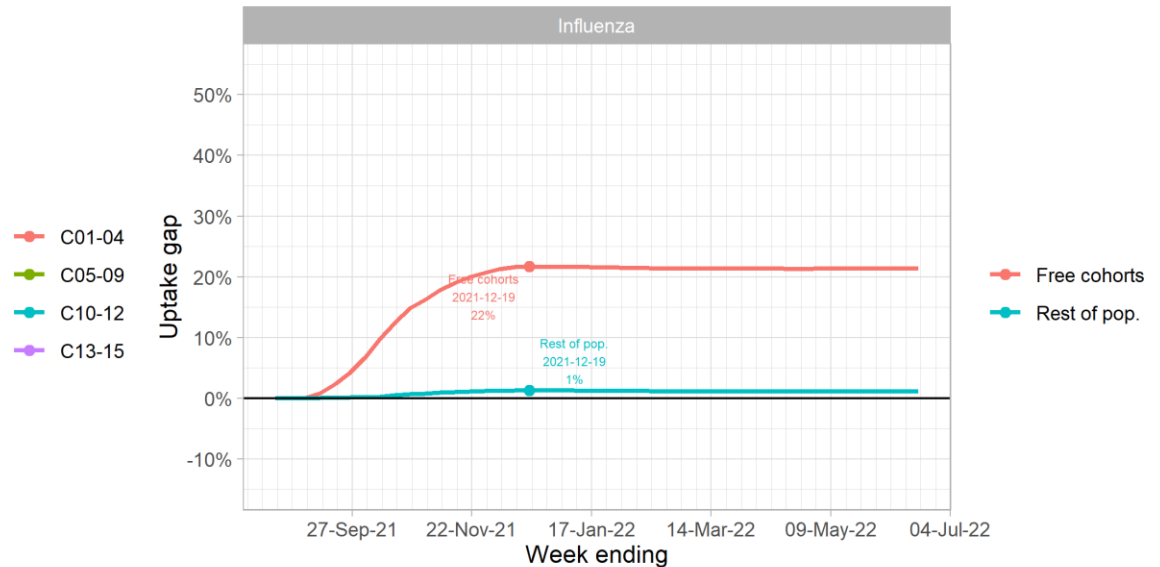
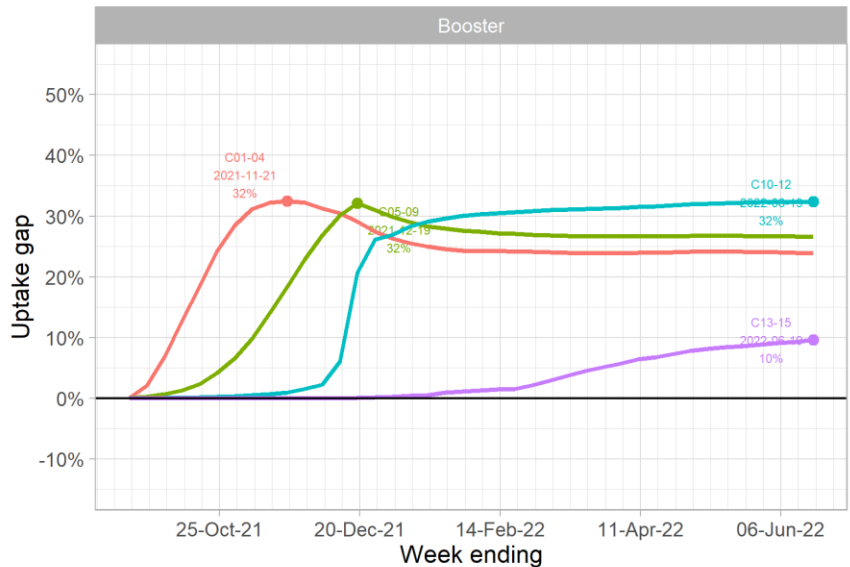
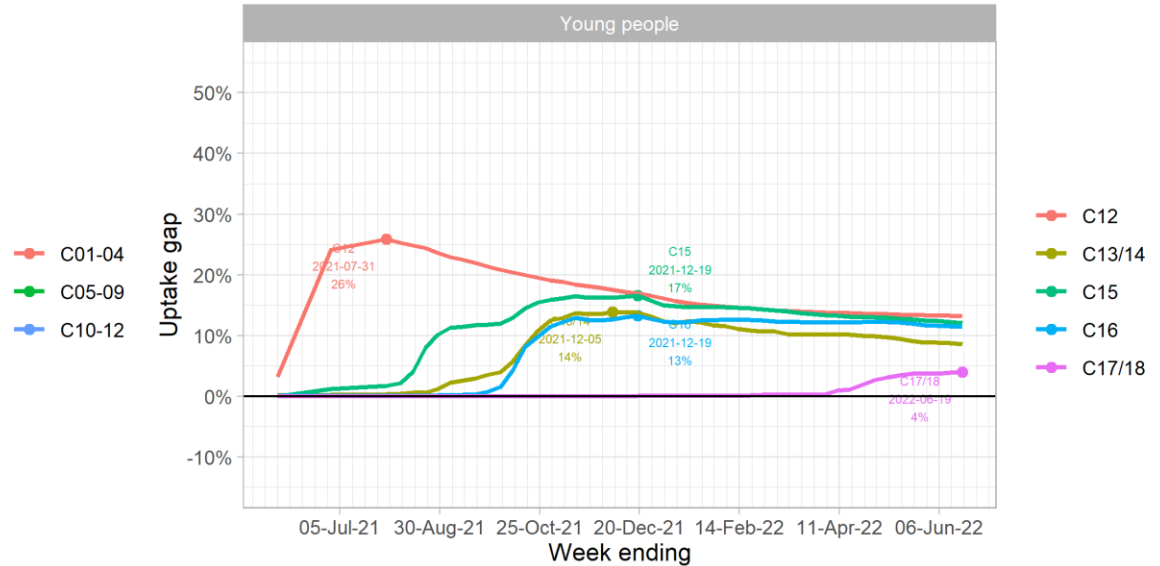
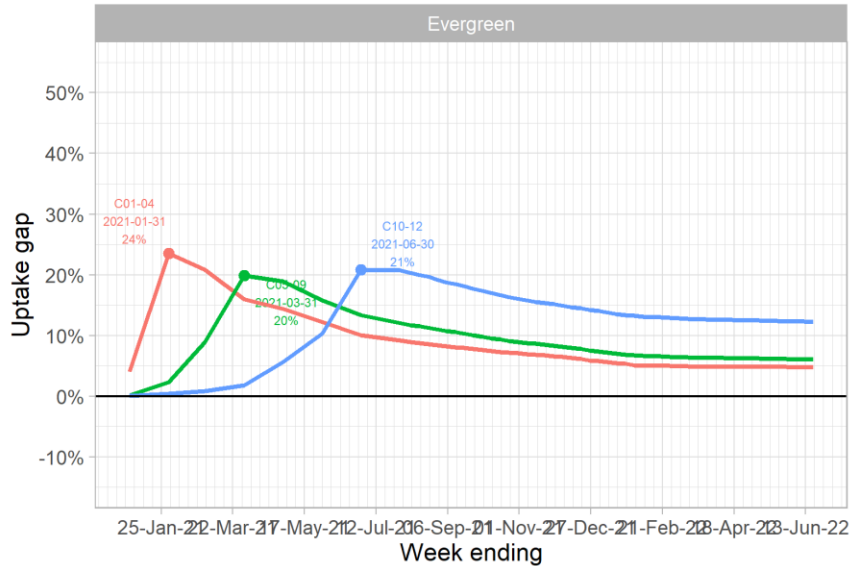
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London: Uptake gap between the Indian community and the White British population



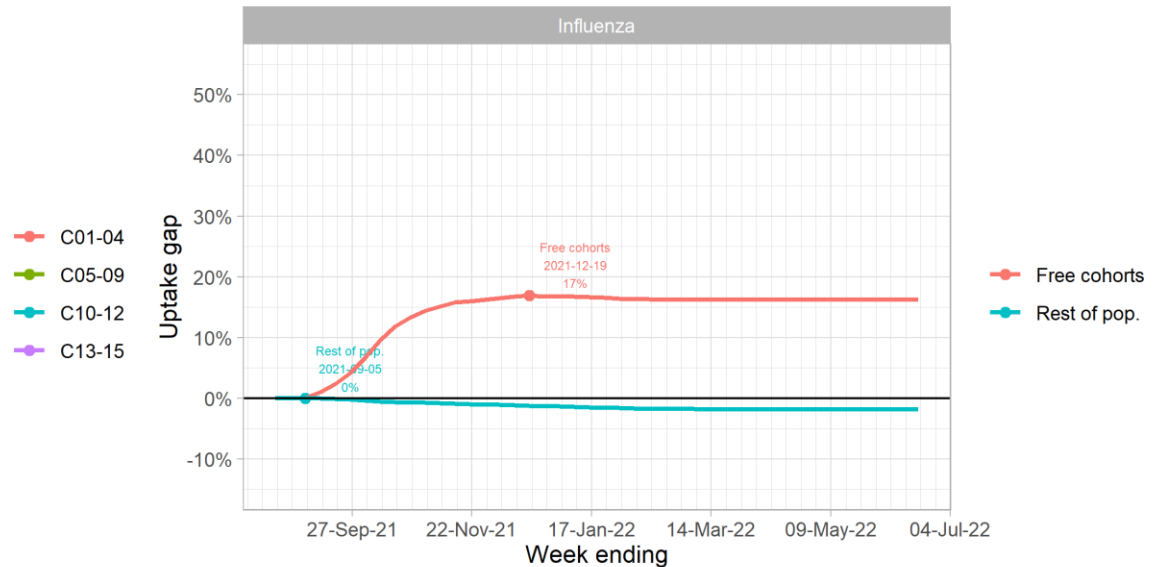
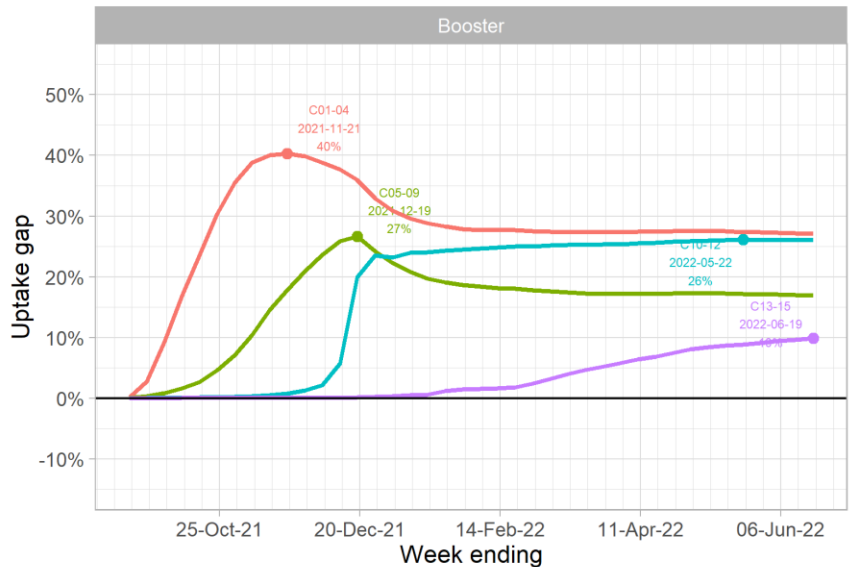
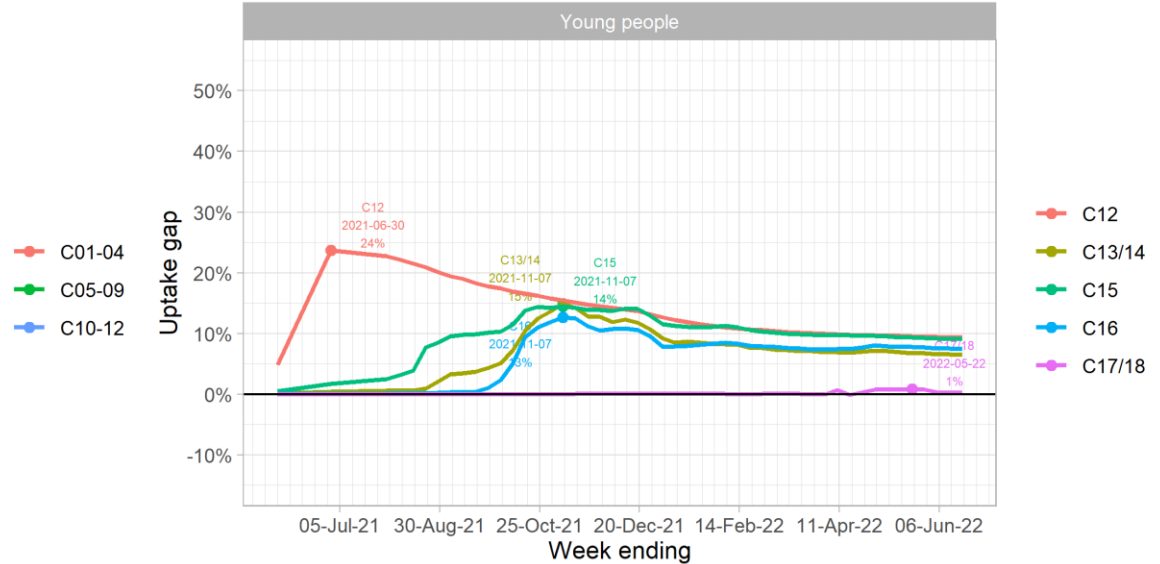
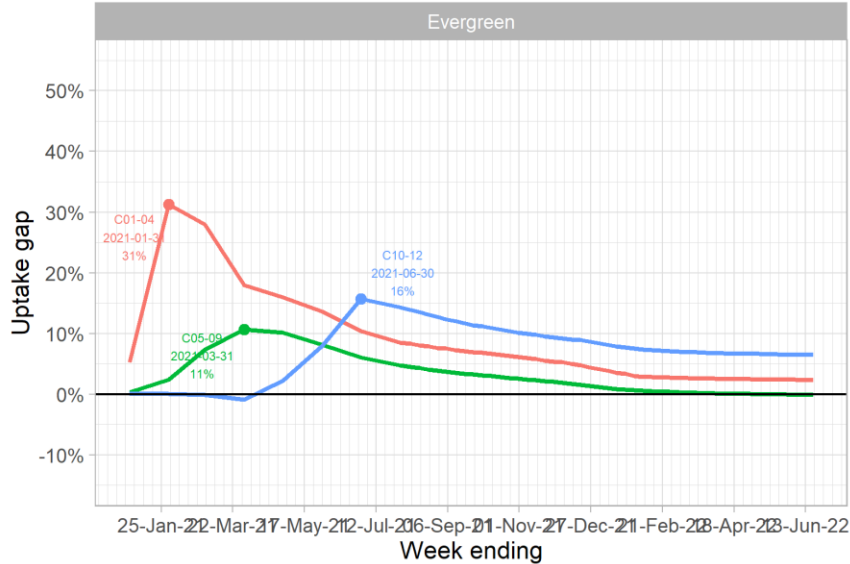
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London: Uptake gap between the Pakistani community and the White British population



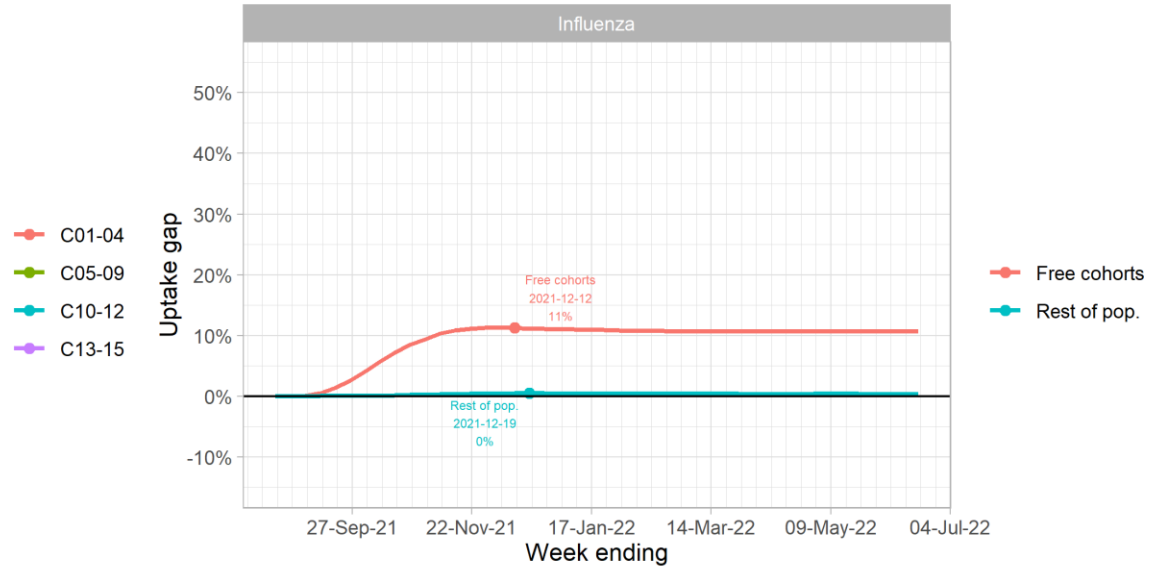
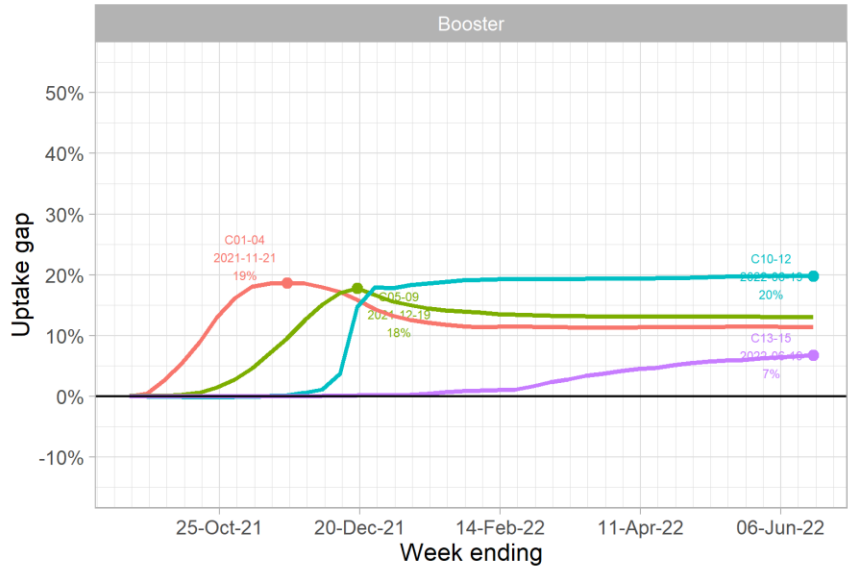
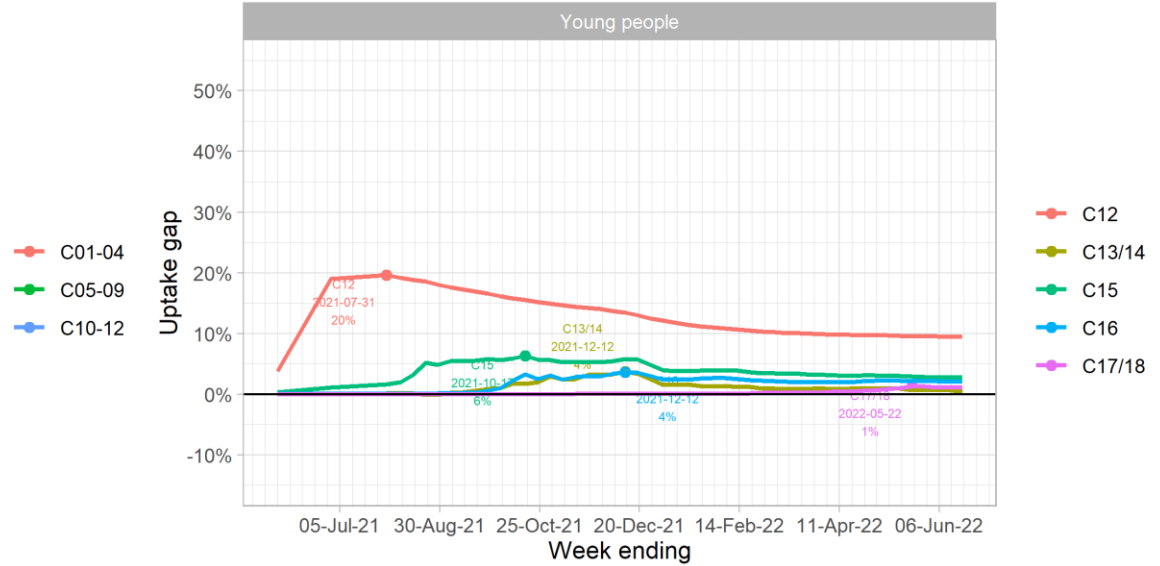
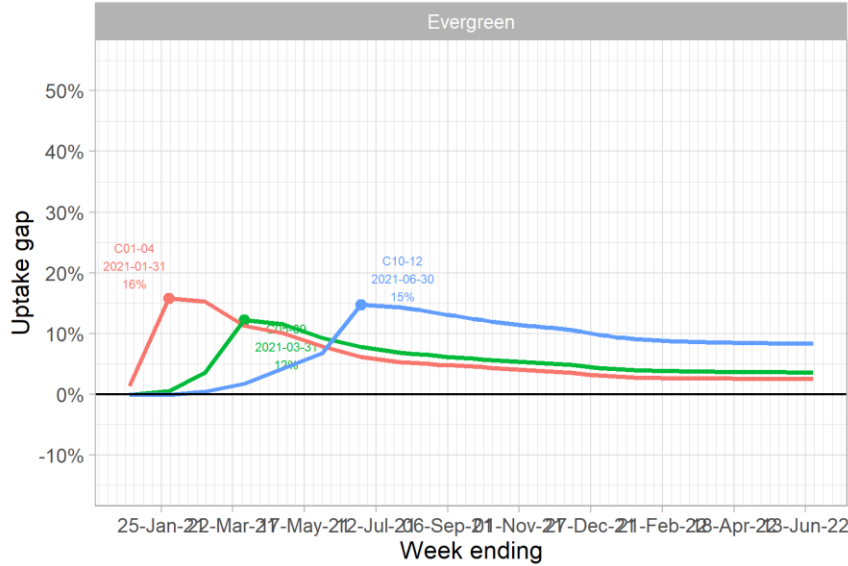
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart. *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between the Bangladeshi community and the White British population



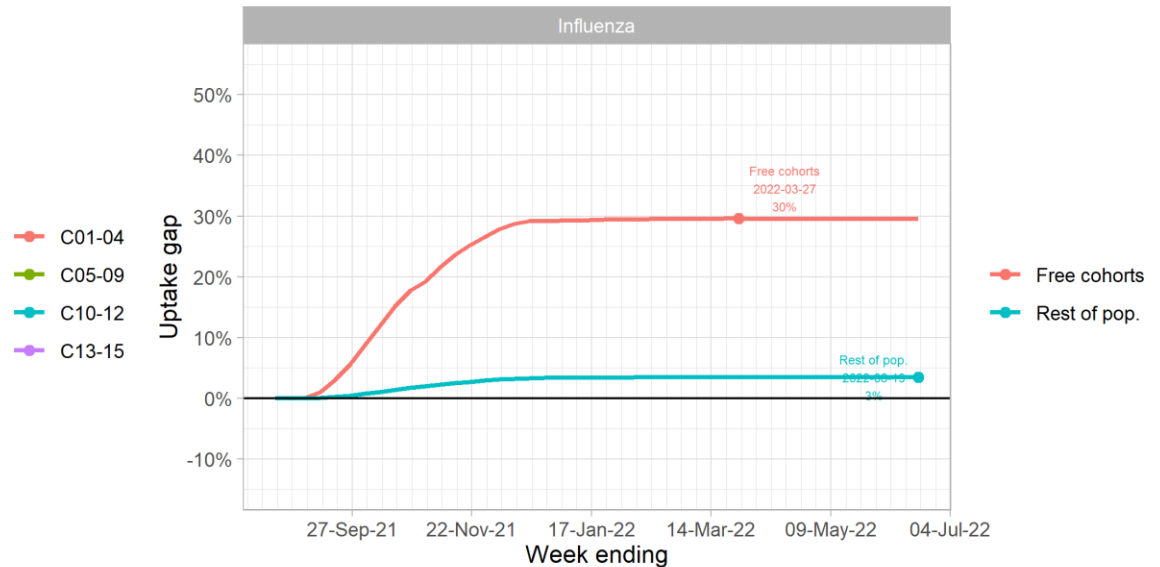
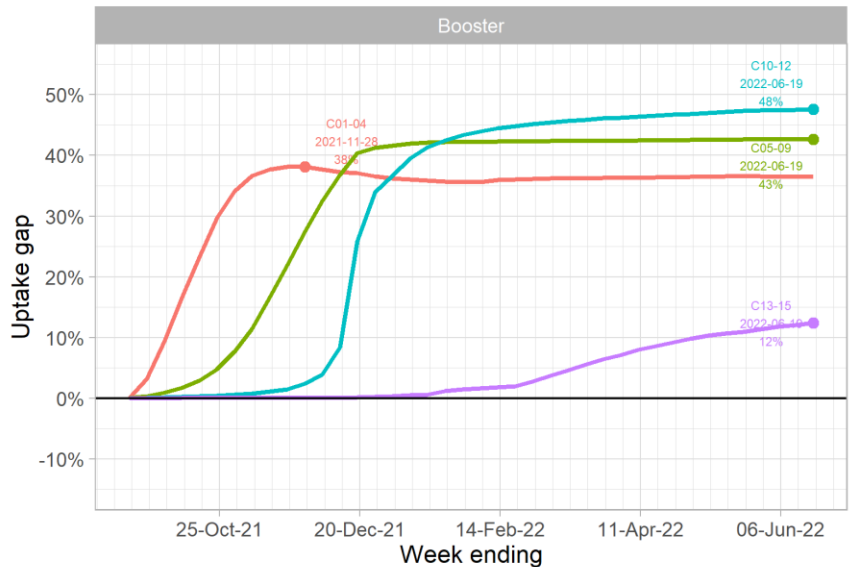
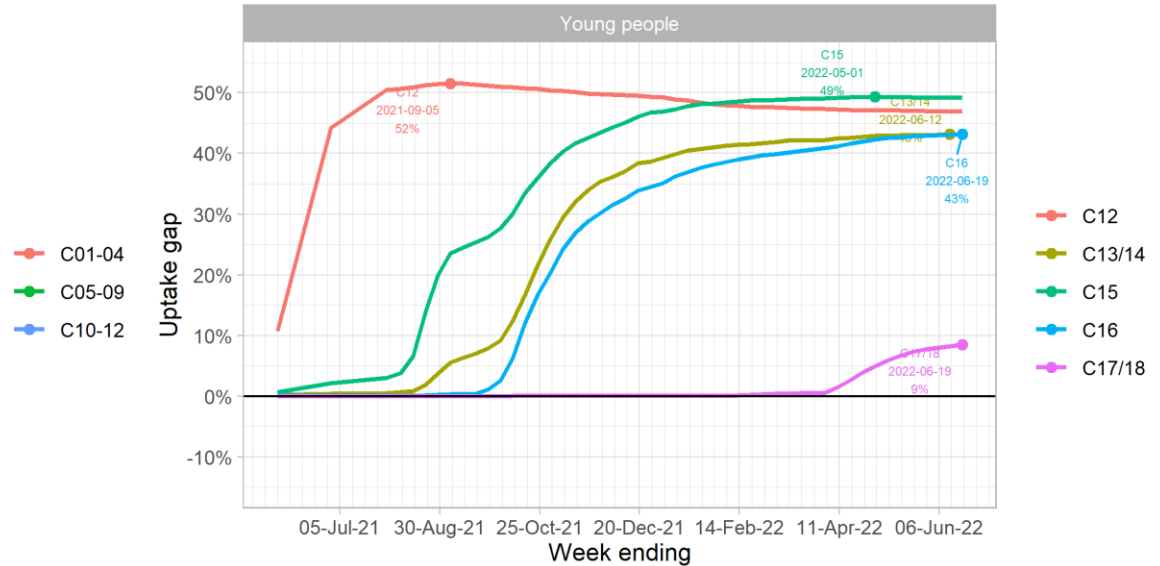
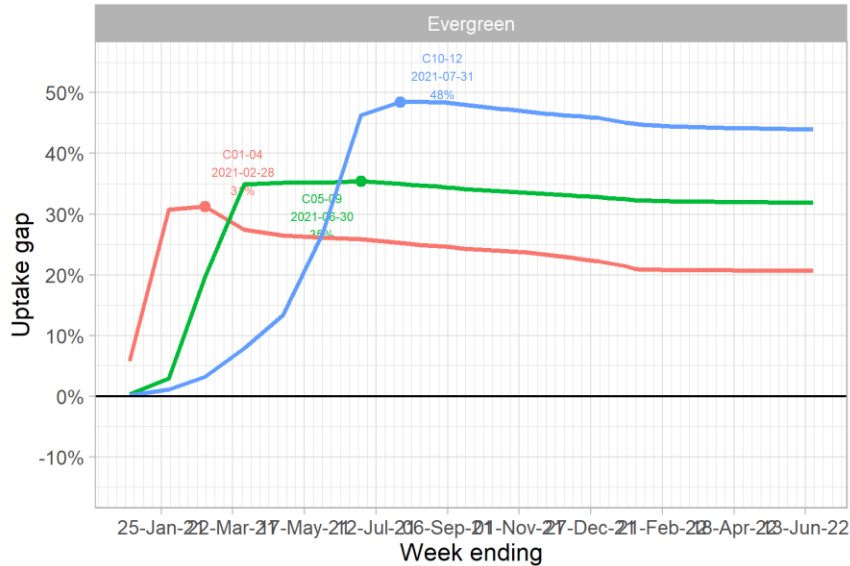
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart. *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between the Any Other Asian groups community and the White British population



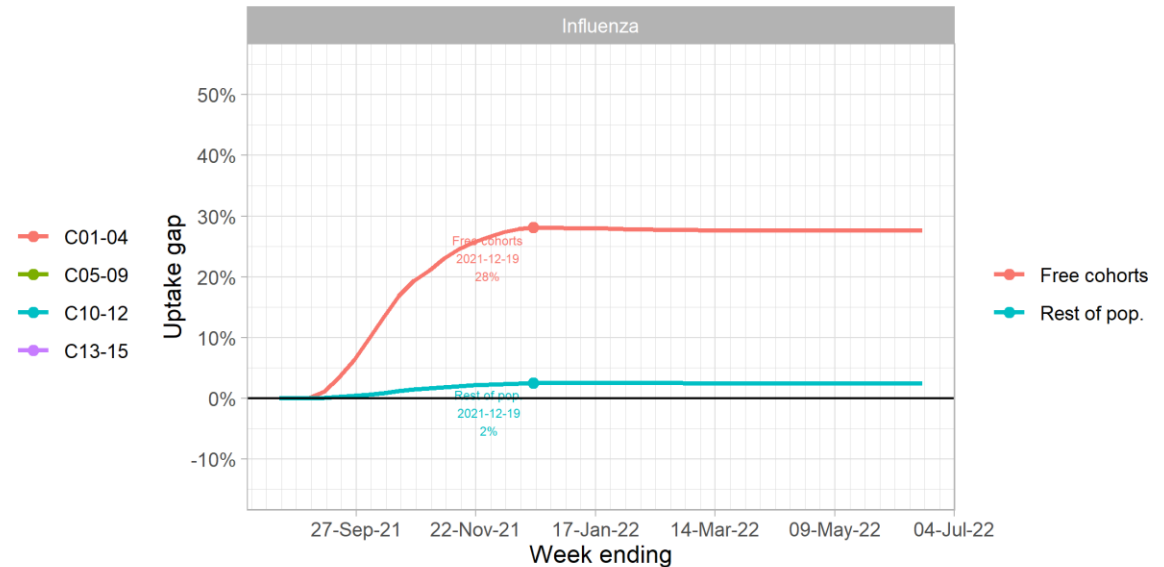
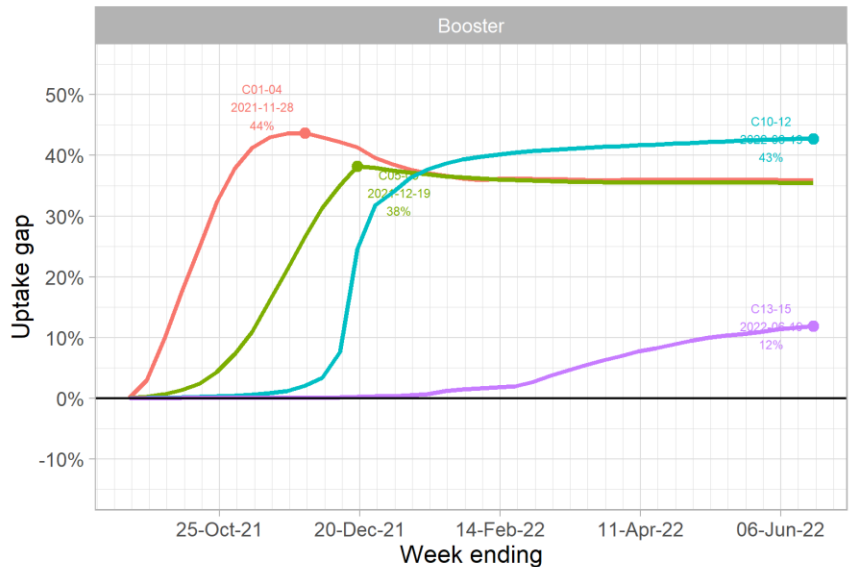
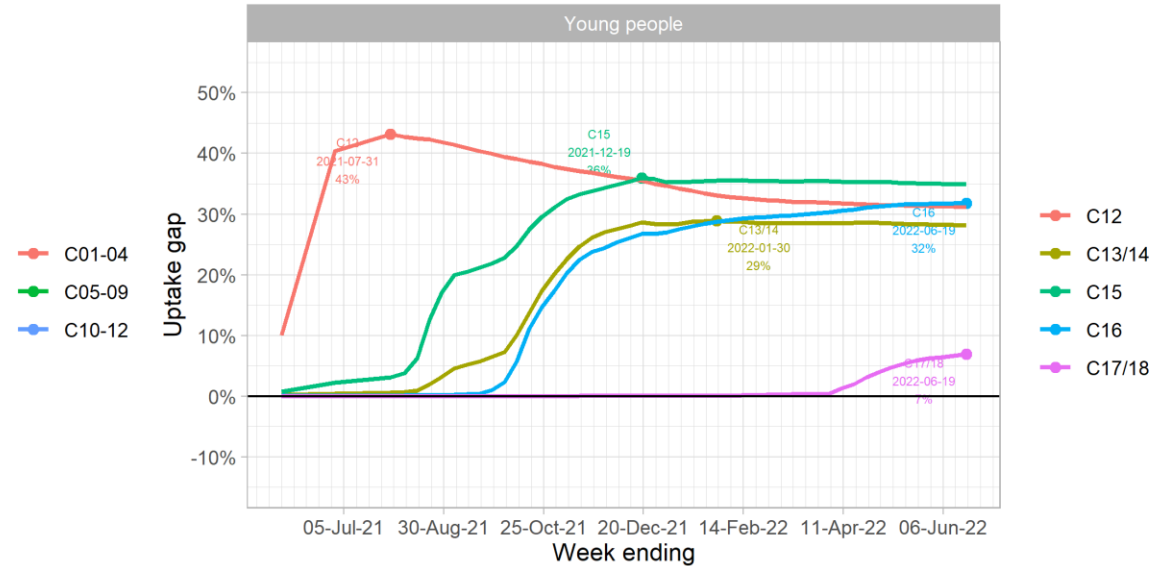
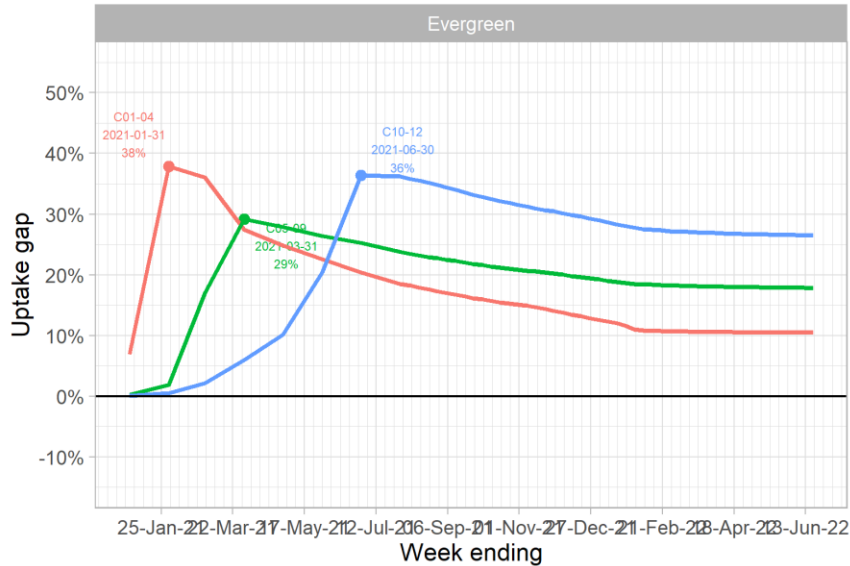
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart. *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between the Black Caribbean community and the White British population



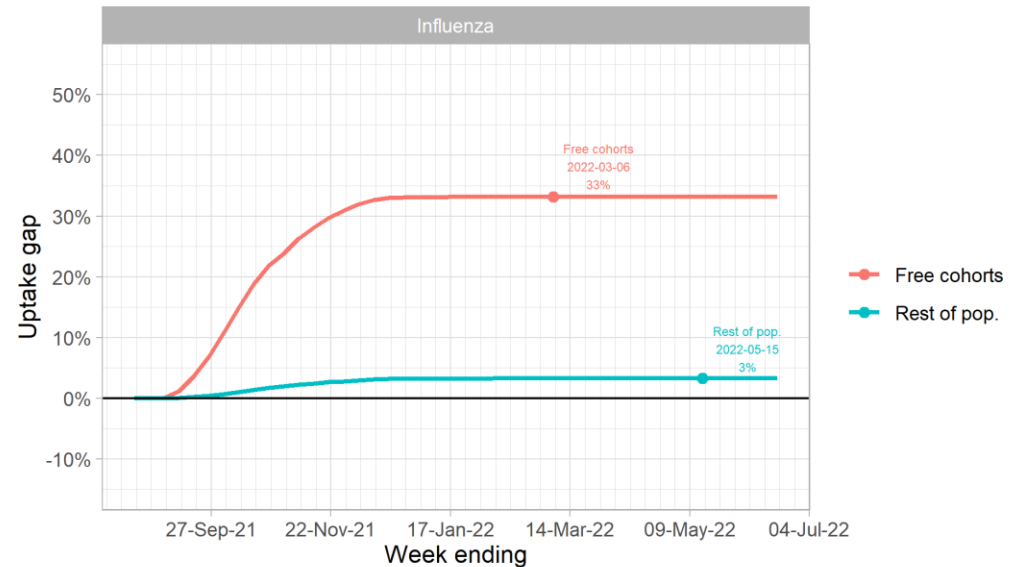
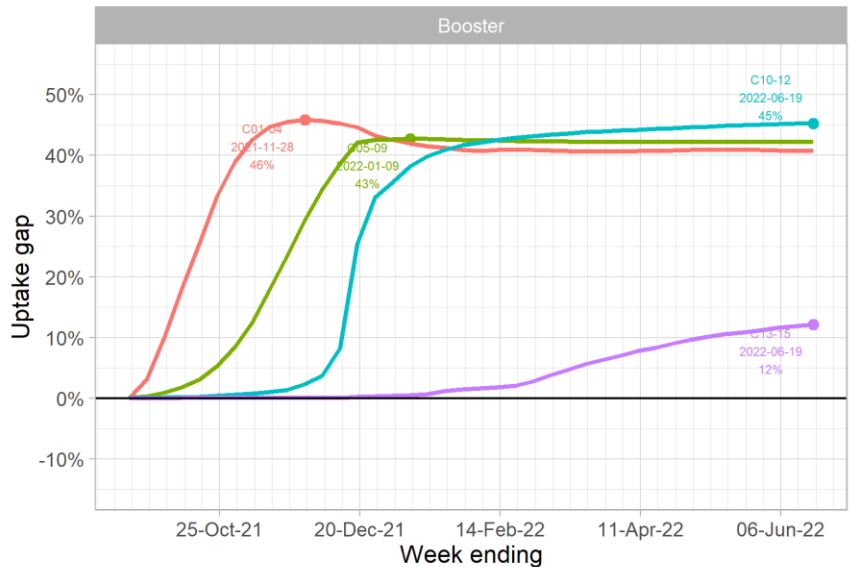
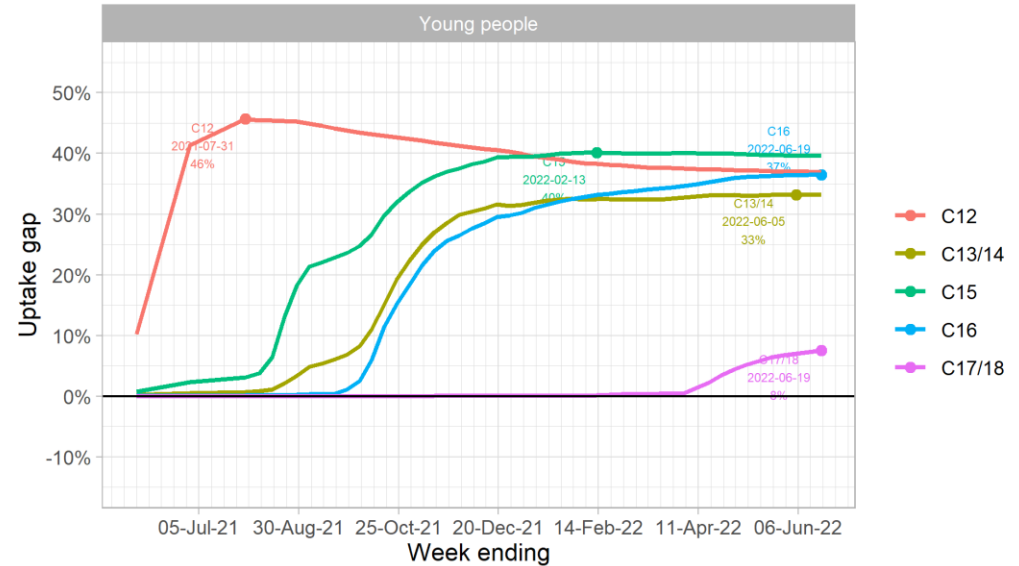
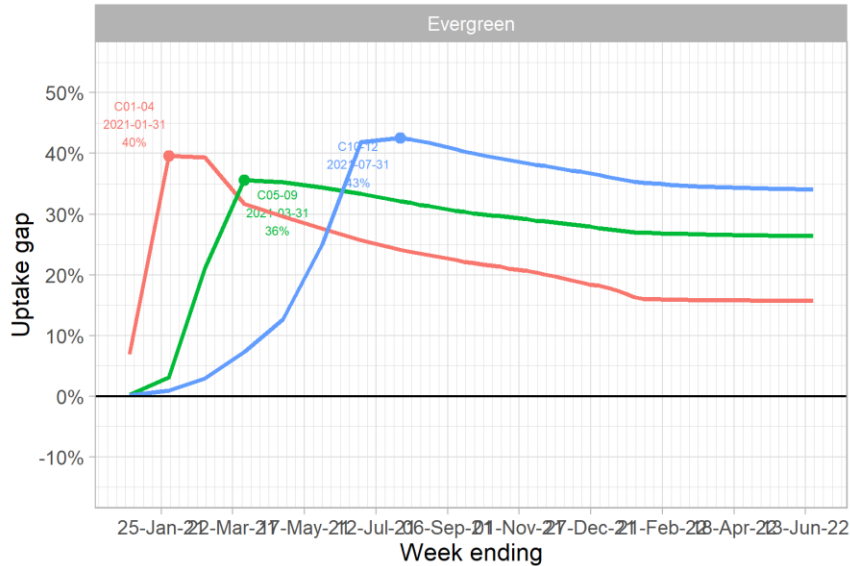
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart.
 *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between the Black African community and the White British population



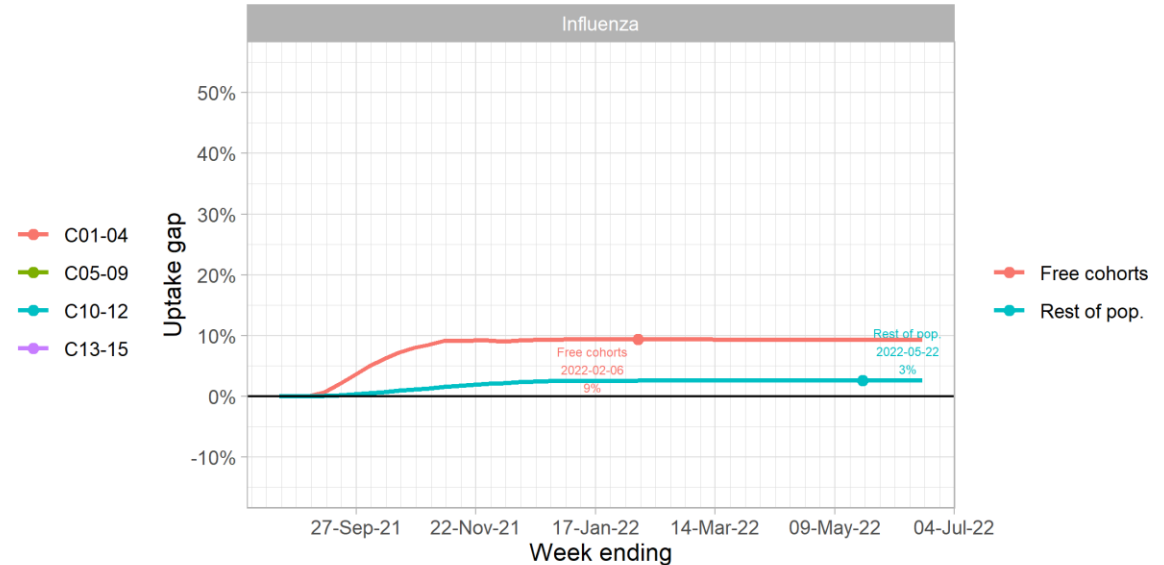
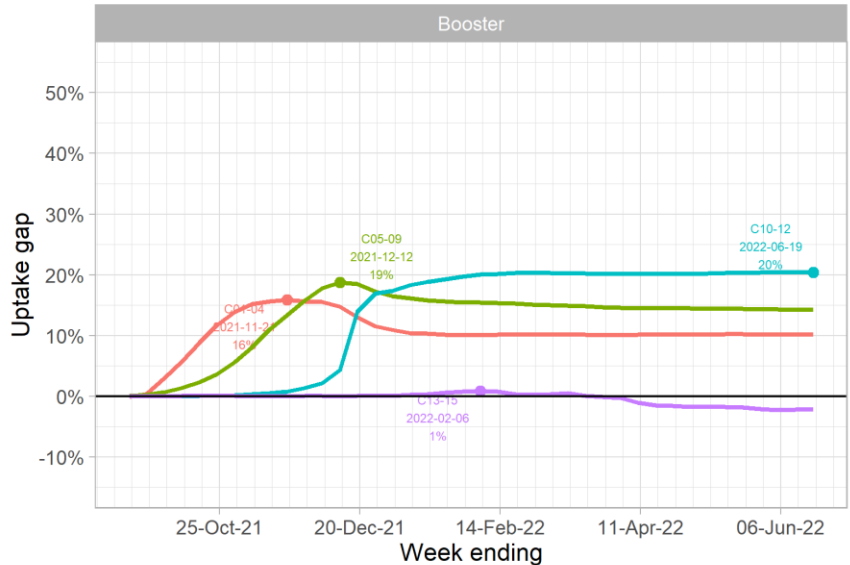
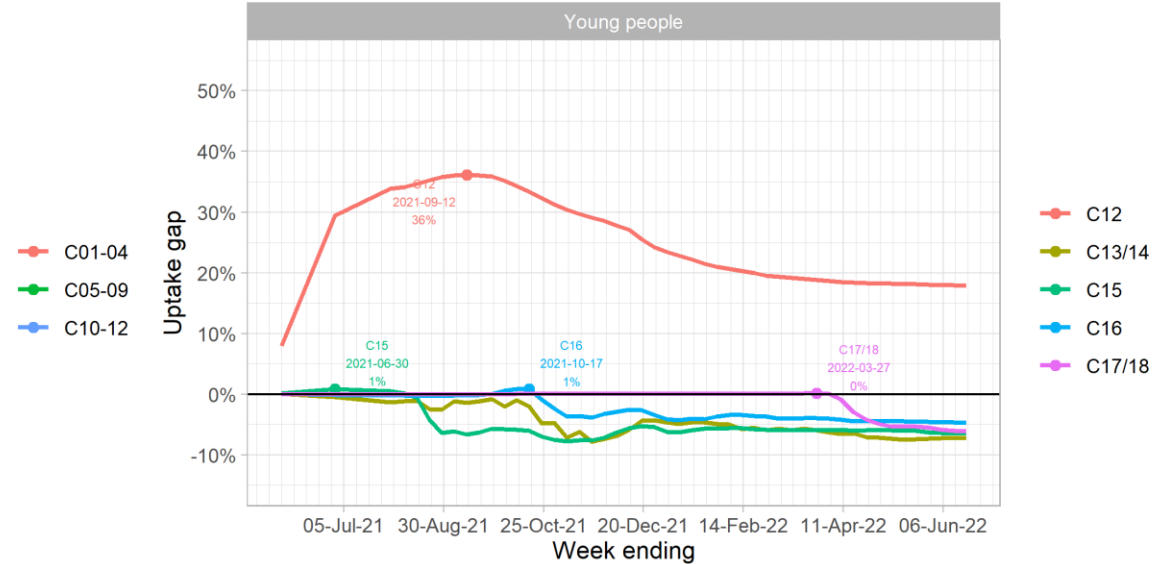
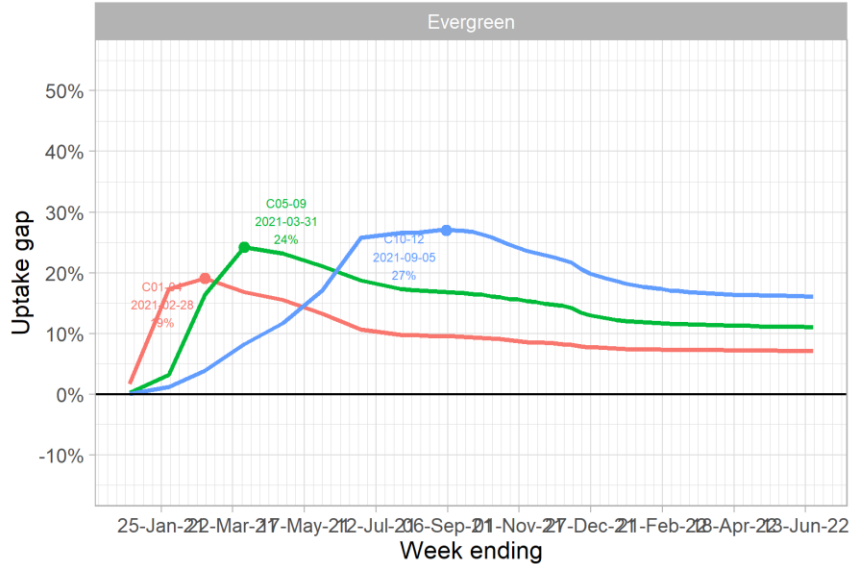
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart. *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between Any Other Black groups and the White British population



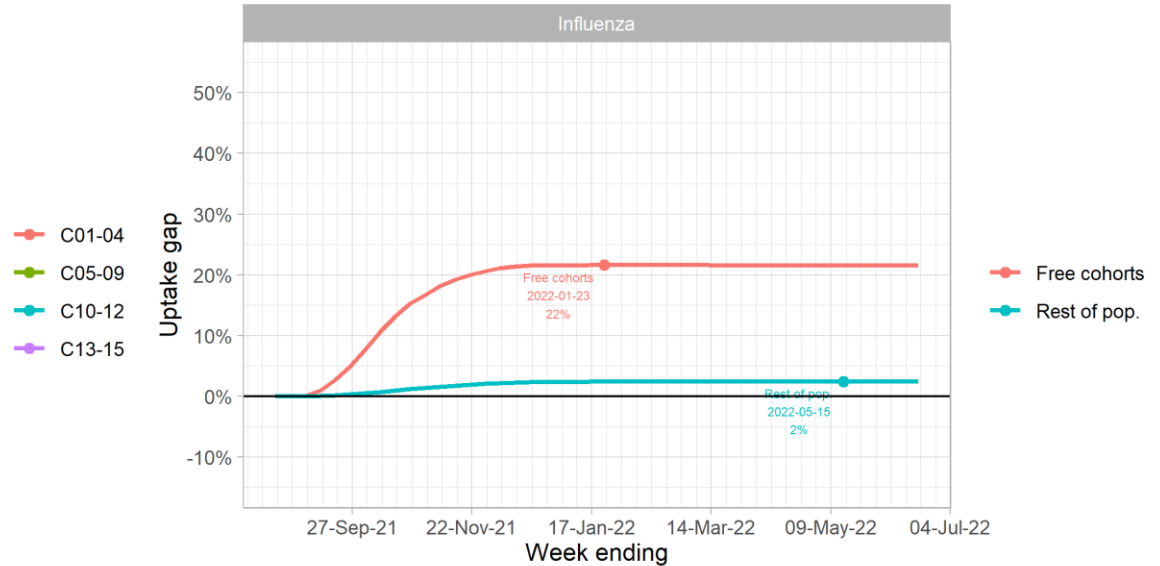
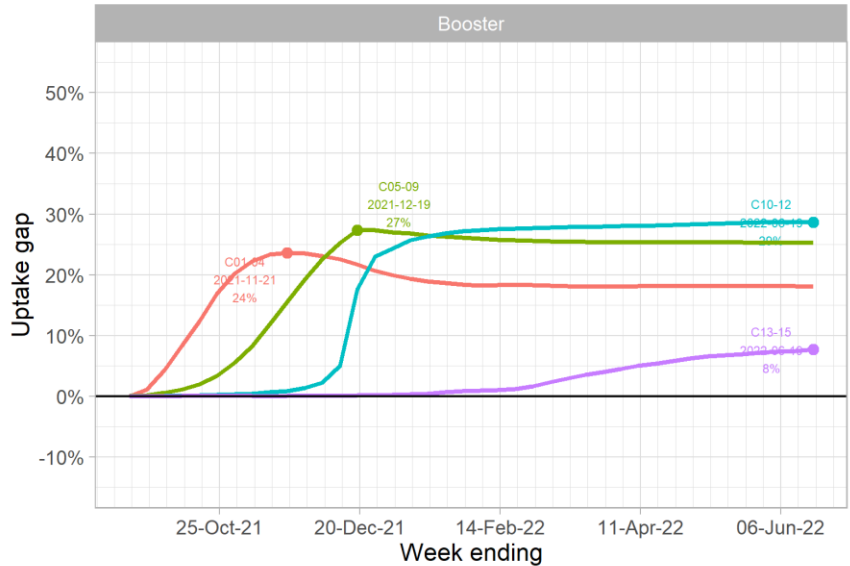
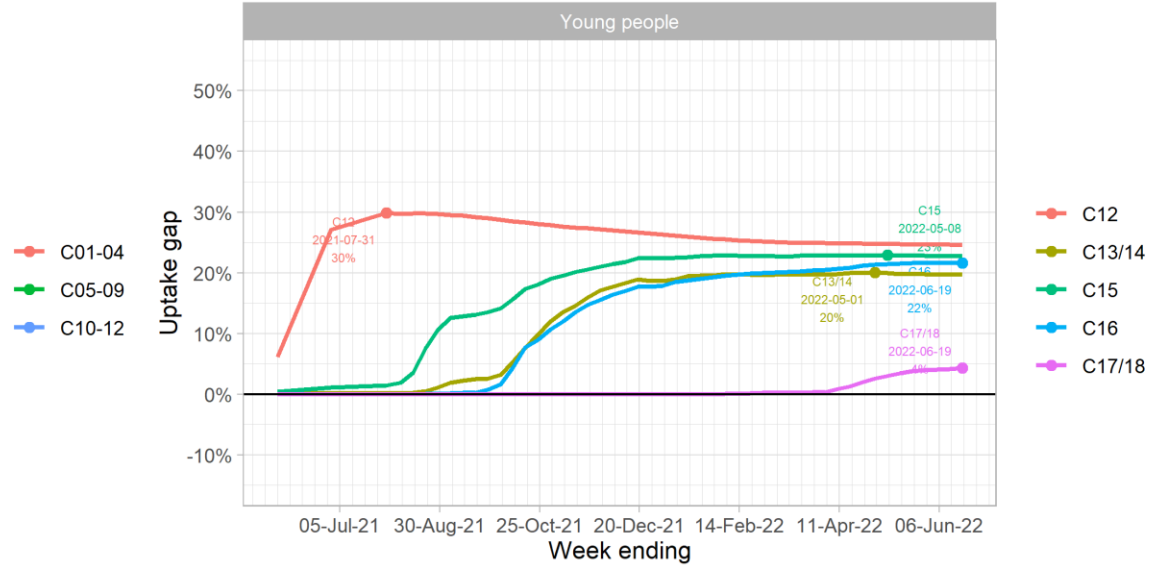
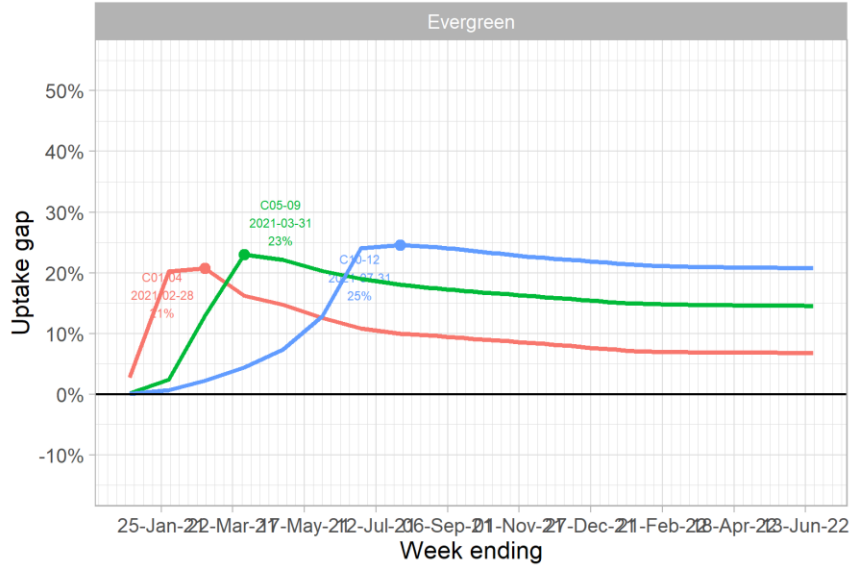
Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart. *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between the Chinese community and the White British population



Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart.
 *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

London: Uptake gap between Any other groups and the White British population



Data is monthly for Dec 2020 to Jul 2021, then weekly from Aug 2021. Please note that data is presented on different date different axis scales in each chart.
 *Cohort 13 are aged 12-15 At Risk. Cohort 14 are aged 12-17 household contacts of immunosuppressed people.

APPENDICES

16 November 2022

First dose unvaccinated

Unvaccinated (1st dose) London GP registered population in JCVI cohorts 1-16 (people aged 12+) by demographic factor. *Source: NHS Foundry, Vaccinations up to 19 June 2022*

ICS of residence

4 parameters

	STP String	%_Unvaccinat... Double	SUM_of_Num... Long
1	NEL	32.56%	666,046
2	NWL	32.43%	747,756
3	NCL	32.36%	486,742
4	SEL	28.09%	501,374
5	SWL	26.92%	406,986
6	Other	24.42%	52,888

Deprivation

4 parameters

	imd String	%_Unvaccinat... Double	SUM_of_Num... Long
1	1 - most deprived ***	38.96%	80,685
2	2	36.50%	491,546
3	3	34.97%	592,216
4	4	33.44%	461,541
5	5	30.88%	342,402
6	6	28.95%	294,482
7	7	26.22%	209,741
8	8	24.32%	177,685
9	9	20.07%	135,160
10	10 - least deprived ***	16.97%	63,980

Age band

4 parameters

	age_bracket String	%_Unvaccinat... Double	SUM_of_Num... Long
1	80+	9.94%	30,152
2	75-79	9.71%	21,727
3	70-74	11.58%	33,535
4	65-69	14.10%	50,329
5	60-64	16.34%	78,385
6	55-59	19.01%	115,271
7	50-54	21.96%	148,356
8	40-49	29.53%	481,879
9	30-39	36.34%	765,265
10	18-29	35.80%	690,431
11	16-17	48.06%	107,257
12	12-15	58.51%	280,446
13	5-11	91.43%	58,759

Ethnicity

4 parameters

	Ethnicity String	%_Unvaccinat... Double	SUM_of_Num... Long
1	Not known	60.89%	355,636
2	Black Caribbean	48.70%	138,851
3	Other Black	48.11%	117,005
4	White Other	40.79%	769,311
5	Black African	39.22%	232,828
6	Mixed	37.64%	126,448
7	Other ethnicity	35.48%	216,042
8	Chinese	31.05%	56,980
9	Pakistani	27.82%	71,171
10	Bangladeshi	23.20%	60,228
11	Other Asian	22.82%	113,382
12	White Irish	22.72%	28,920
13	Indian	20.89%	140,067
14	White British	15.32%	434,923

Eligible First booster unvaccinated

Booster unvaccinated London GP registered eligible population (2nd dose >3 months ago) in JCVI cohorts 1-15 by demographic factor. Source: NHS Foundry, vaccinations up to 19 June 2022

ICS of residence

4 parameters

	STP String	%_Unvaccinat... Double	SUM_of_Num... Long
1	NEL	31.59%	392,639
2	NWL	26.80%	376,693
3	NCL	25.05%	231,283
4	SEL	22.58%	265,294
5	Other	21.31%	32,164
6	SWL	20.75%	210,231

Age band

4 parameters

	age_bracket String	%_Unvaccinat... Double	SUM_of_Num... Long
1	80+	6.34%	17,037
2	75-79	5.69%	11,275
3	70-74	7.29%	18,256
4	65-69	10.07%	30,094
5	60-64	13.28%	51,846
6	55-59	16.68%	79,429
7	50-54	20.24%	103,136
8	40-49	26.41%	290,474
9	30-39	32.08%	401,739
10	18-29	40.99%	444,504
11	16-17	72.62%	52,517
12	12-15	87.26%	7,997

Deprivation

4 parameters

	imd String	%_Unvaccinat... Double	SUM_of_Num... Long
1	1 - most deprived	36.78%	41,192
2	2	34.09%	259,923
3	3	31.67%	313,165
4	4	28.71%	238,140
5	5	25.87%	180,229
6	6	23.14%	152,915
7	7	20.34%	110,225
8	8	18.06%	92,156
9	9	15.50%	77,339
10	10 - least deprived	13.14%	38,088

Ethnicity

4 parameters

	Ethnicity String	%_Unvaccinat... Double	SUM_of_Num... Long
1	Other Black	47.52%	50,713
2	Black African	45.57%	142,036
3	Pakistani	43.63%	70,276
4	Bangladeshi	39.62%	68,225
5	Black Caribbean	37.79%	49,722
6	Not known	34.29%	66,292
7	Other ethnicity	33.23%	116,272
8	Mixed	33.04%	59,171
9	White Other	30.10%	308,418
10	Other Asian	28.86%	98,542
11	Indian	22.76%	109,585
12	Chinese	20.66%	22,104
13	White British	14.77%	333,348
14	White Irish	14.53%	13,600