OpenSAFELY COVID Vaccine coverage report

OpenSAFELY is a new secure analytics platform for electronic patient records built on behalf of NHS England to deliver urgent academic and operational research during the pandemic.

This is our regular weekly report on COVID-19 vaccination coverage in England using data from 40% of general practices that use TPP electronic health record software. **The data requires careful interpretation and there are a number of caveats. Please read the full detail about our methods and discussion of our earlier results (as of January 13th) in our preprint paper available here (https://www.medrxiv.org/content/10.1101/2021.01.25.21250356v2).**

The full analytical methods behind the latest results in this report are available here (https://github.com/opensafely/nhs-covid-vaccination-uptake).

Report last updated 12 Apr 2021

Vaccinations included up to 07 Apr 2021 inclusive

Contents:

Overview of Vaccination Figures to date

	first dose as at 07 Apr 2021	second dose as at 07 Apr 2021
Group		
Total vaccinated in TPP	11,008,592	1,956,815
80+	95.7% (1,075,998 of 1,124,221)	62.7% (705,124 of 1,124,221)
70-79	95.0% (1,963,493 of 2,066,323)	16.8% (346,479 of 2,066,323)
care home	95.6% (80,024 of 83,727)	59.9% (50,169 of 83,727)
shielding (aged 16-69)	86.4% (711,767 of 823,949)	9.5% (77,994 of 823,949)
65-69	91.9% (985,355 of 1,071,630)	4.6% (49,175 of 1,071,630)
LD (aged 16-64)	79.5% (64,505 of 81,102)	4.4% (3,556 of 81,102)
60-64	89.4% (1,141,287 of 1,276,562)	6.5% (83,391 of 1,276,562)
55-59	86.5% (1,304,373 of 1,508,269)	7.3% (109,809 of 1,508,269)
50-54	82.6% (1,287,419 of 1,558,144)	6.9% (107,303 of 1,558,144)
16-49, not in other eligible groups shown	2,394,364	423,815

NB Patient counts are rounded to nearest 7

## Vaccine types and second doses

Second doses (% of all vaccinated): **17.8%** (1,956,815)

Oxford-AZ vaccines (% of all first doses): **65.5%** (7,208,474)

Group definitions

- The **care home** group is defined based on patients (aged 65+) having one of these codes (https://codelists.opensafely.org/codelist/primis-covid19-vacc-uptake/longres/v1/).

- The **shielding** group is defined based on patients having one of these codes (https://codelists.opensafely.org/codelist/primis-covid19-vacc-uptake/shield/v1/) provided it was not superceded by one of these codes (https://codelists.opensafely.org/codelist/primis-covid19-vacc-uptake/nonshield/v1/).

- The **LD** (learning disability) group is defined based on this (https://codelists.opensafely.org/codelist/primis-covid19-vacc-uptake/learndis/v1/) codelist and excludes people who are shielding.

- Patients are counted in their highest risk category only; e.g. a 65-year-old who is shielding is only counted in the shielding group, not in the 65-69 population

Summary Chart

Cumulative vaccination figures to 2021-04-07
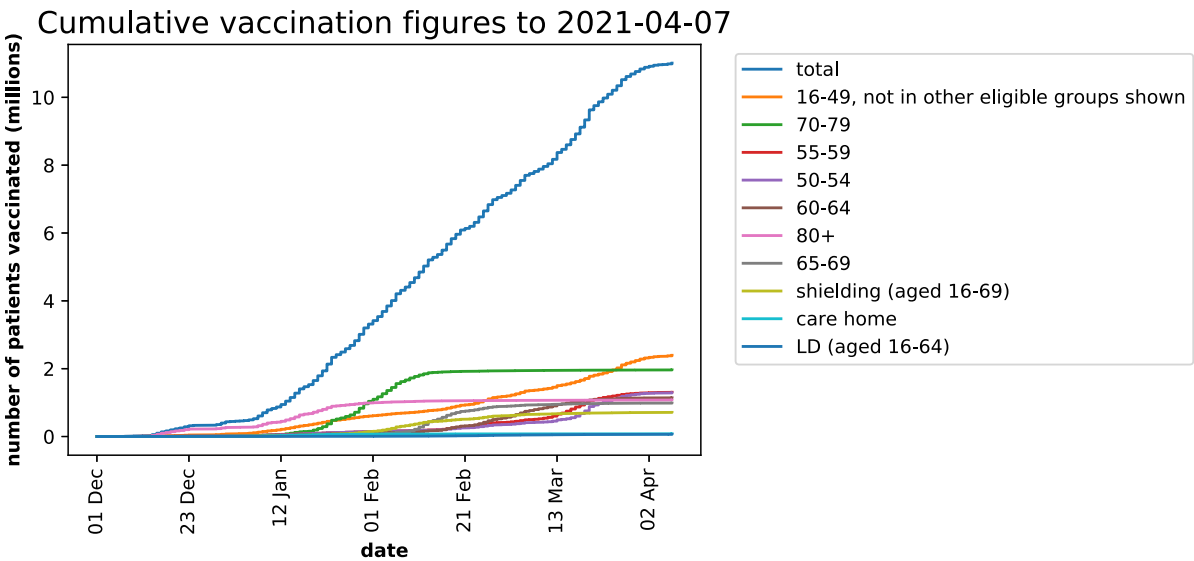
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

*National rate calculated as at latest date for vaccinations recorded across all TPP practices.

80+ population

COVID vaccinations among 80+ population

by Sex

COVID vaccinations among 80+ population

by Ethnicity (broad categories)
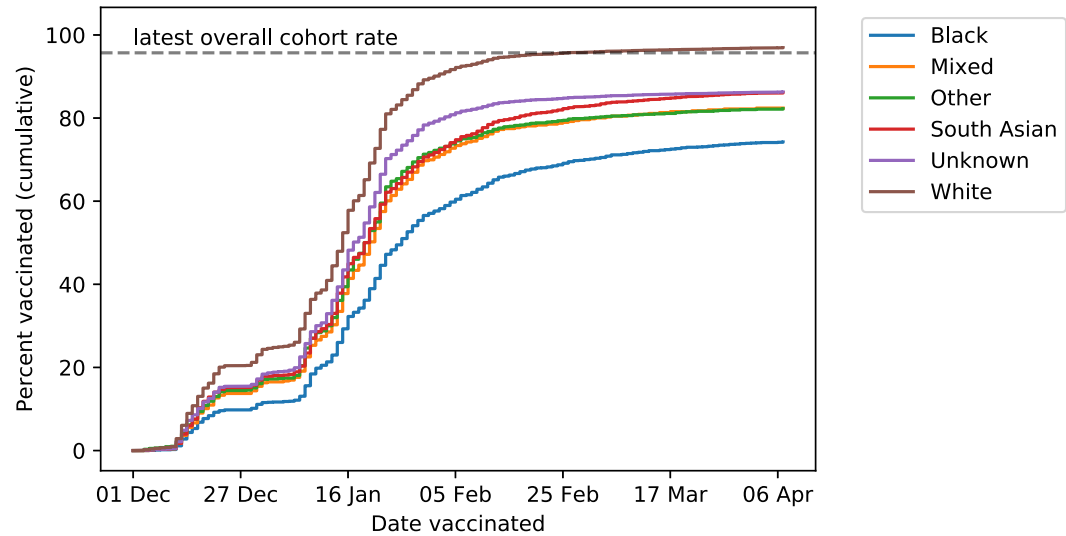
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)

COVID vaccinations among 80+ population

by BMI
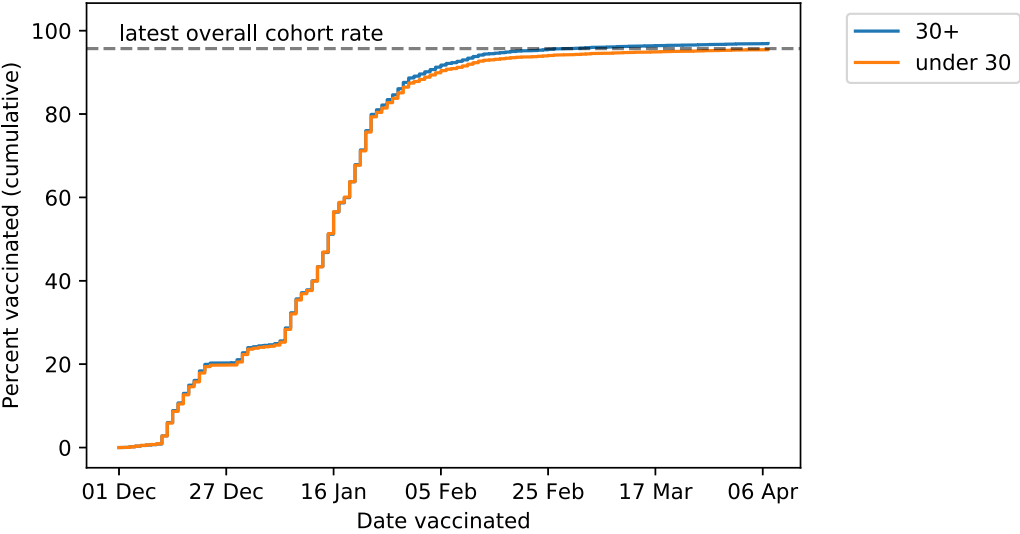
COVID vaccinations among 80+ population

by Chronic cardiac disease
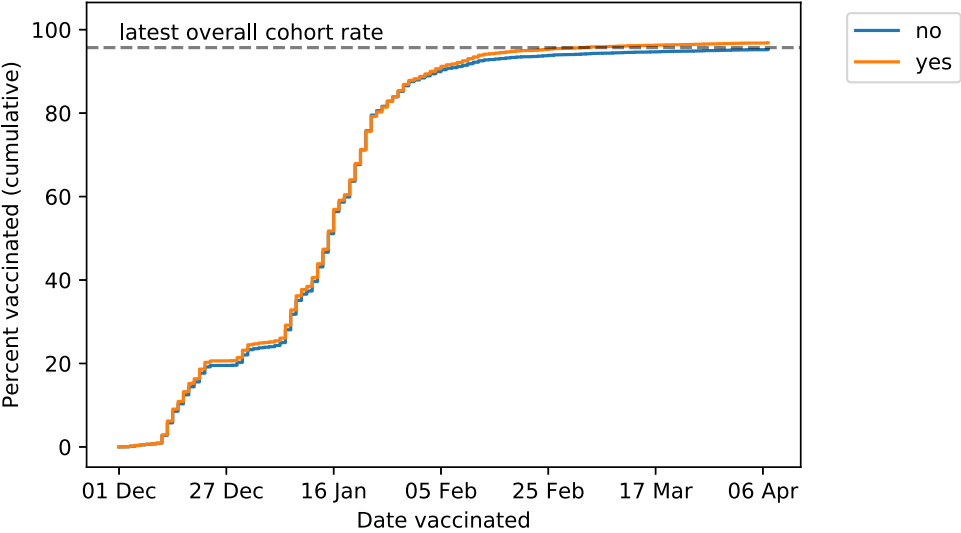
COVID vaccinations among 80+ population

by Current COPD

COVID vaccinations among 80+ population

by Dialysis

COVID vaccinations among 80+ population

by Dementia
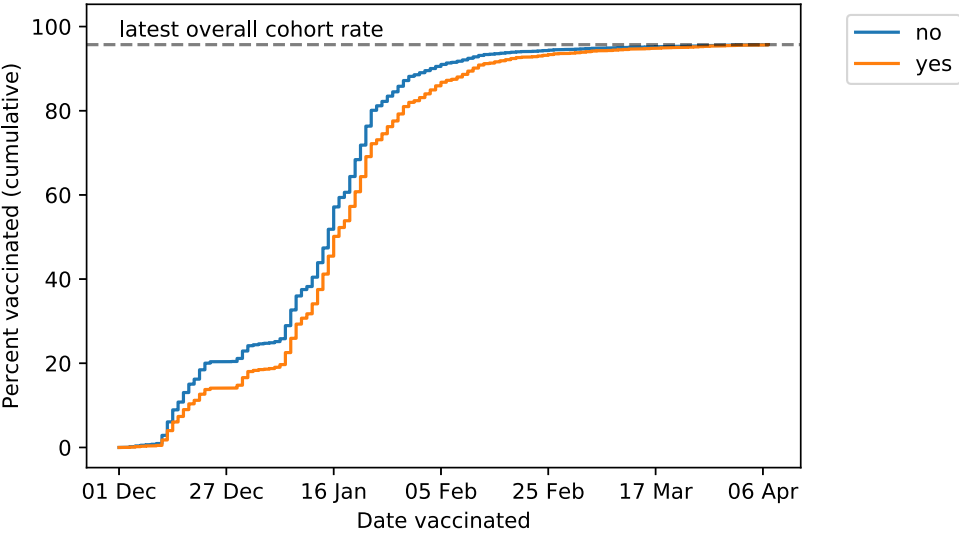
COVID vaccinations among 80+ population

by Learning disability
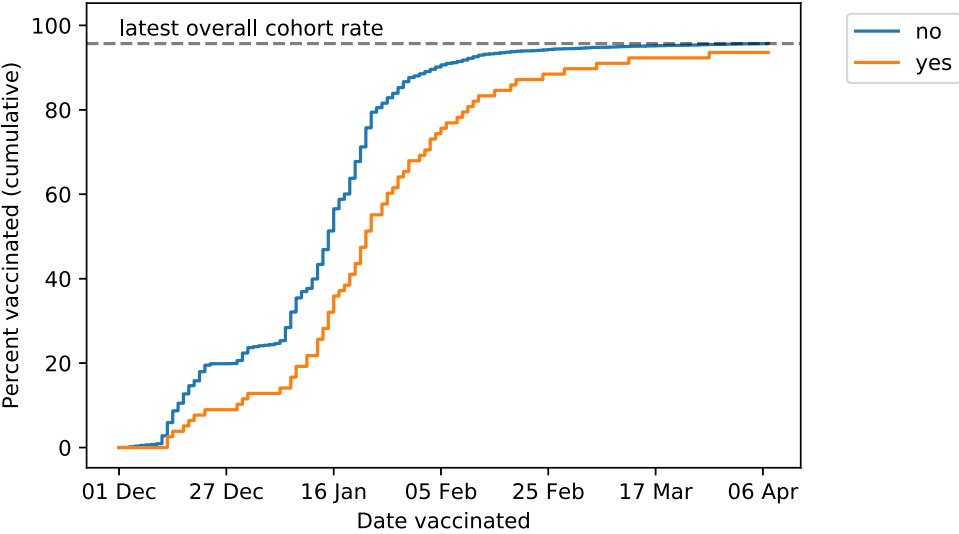
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar
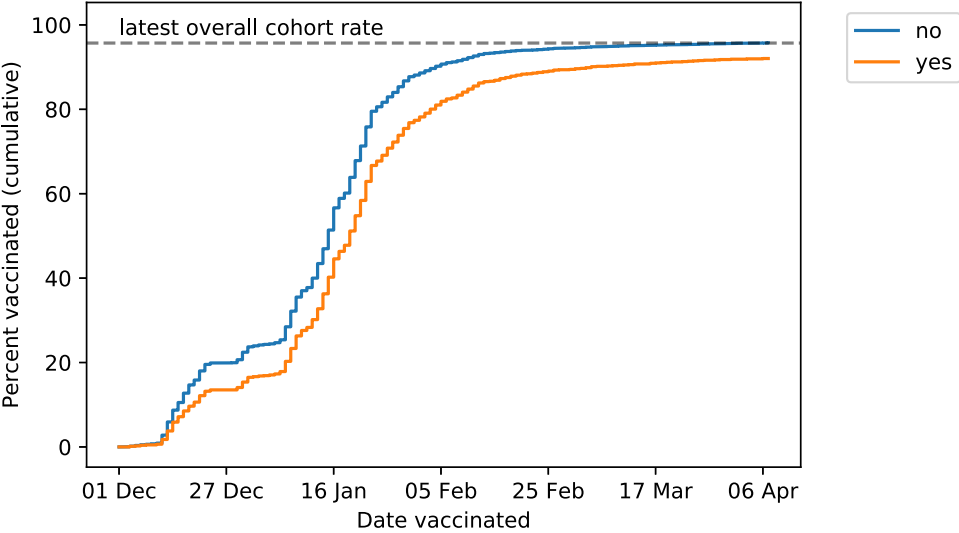
COVID vaccinations among 80+ population

by SSRI (last 12 months)
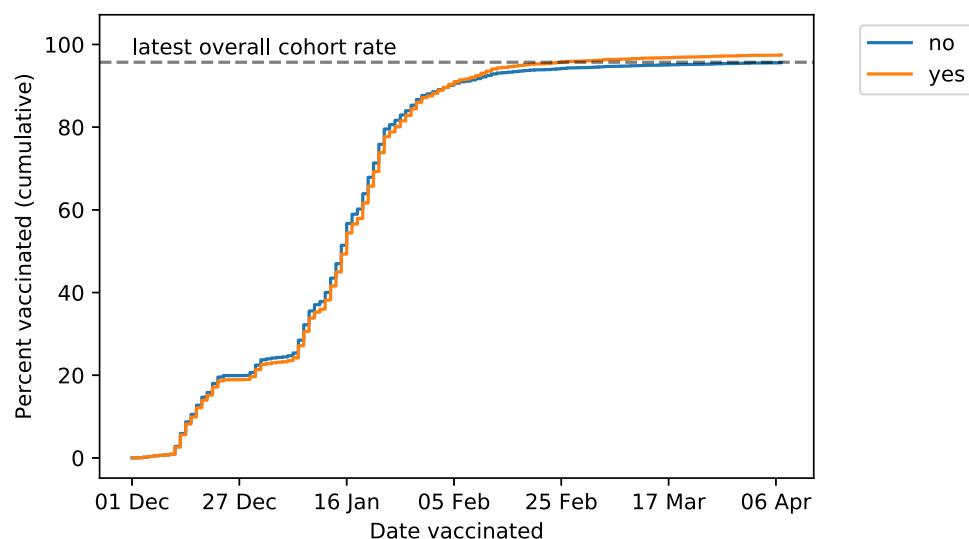
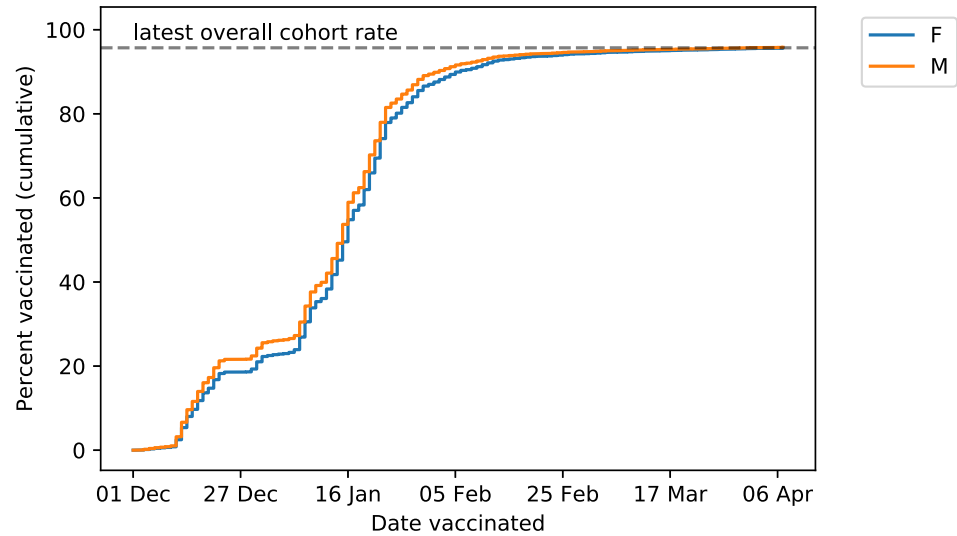## COVID vaccinations among 80+ population

by Age band
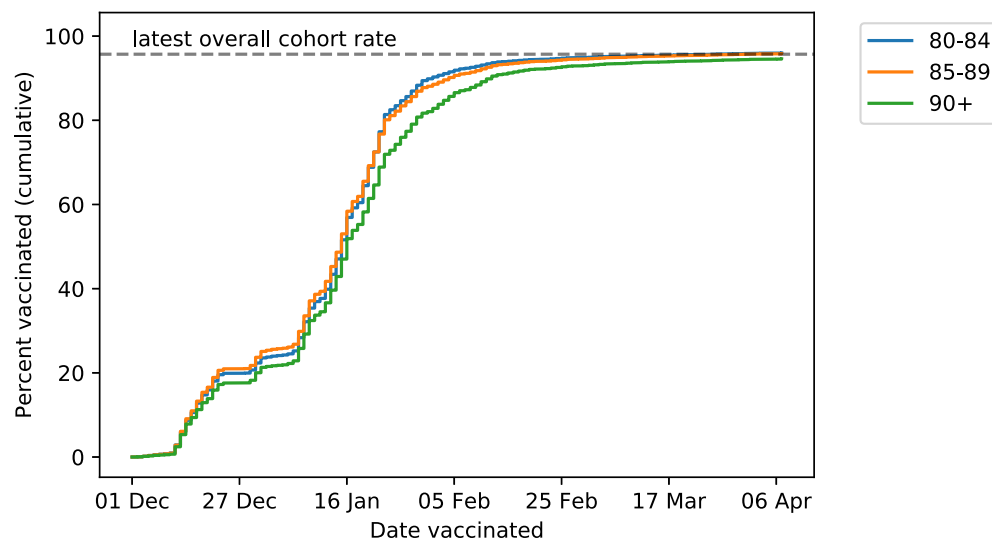
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

***National rate calculated as at latest date for vaccinations recorded across all TPP practices.**

70-79 population

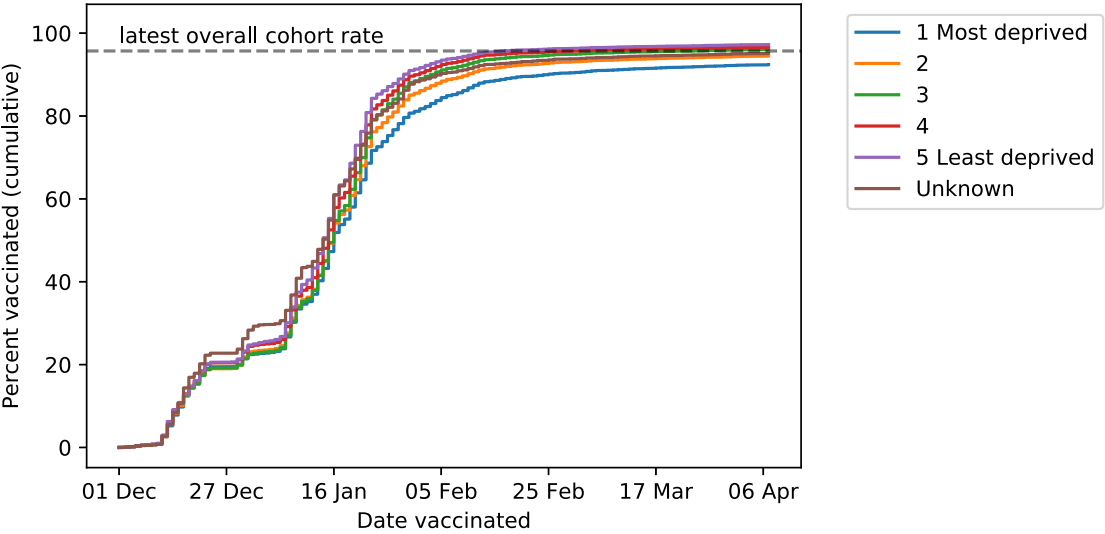## COVID vaccinations among 70-79 population

by Sex

COVID vaccinations among 70-79 population

## by Ethnicity (broad categories)

COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)
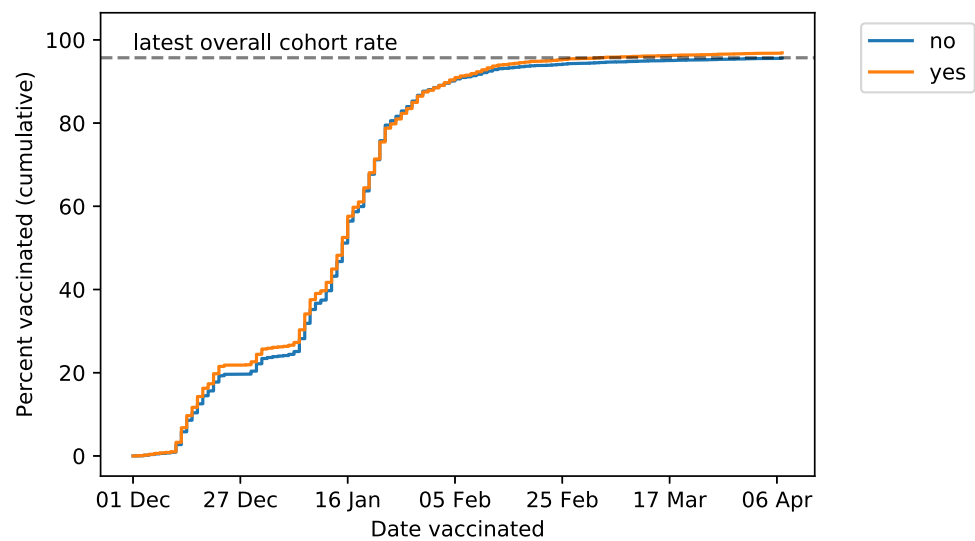
COVID vaccinations among 70-79 population

by BMI
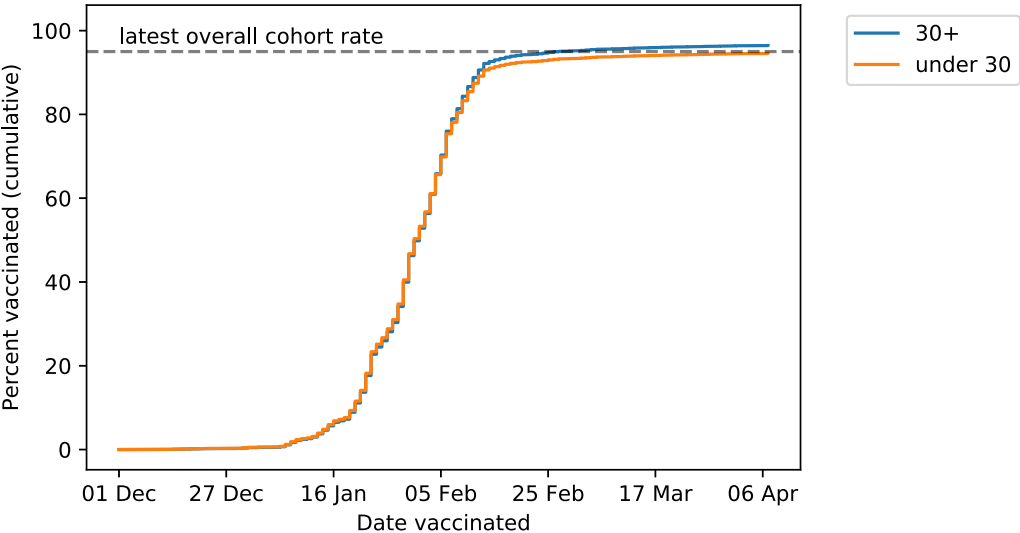
COVID vaccinations among 70-79 population

by Chronic cardiac disease
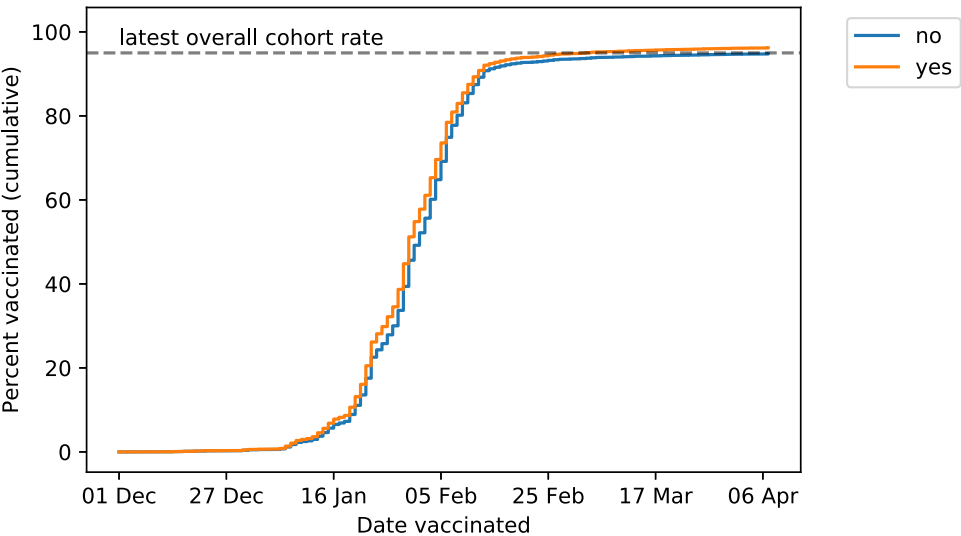
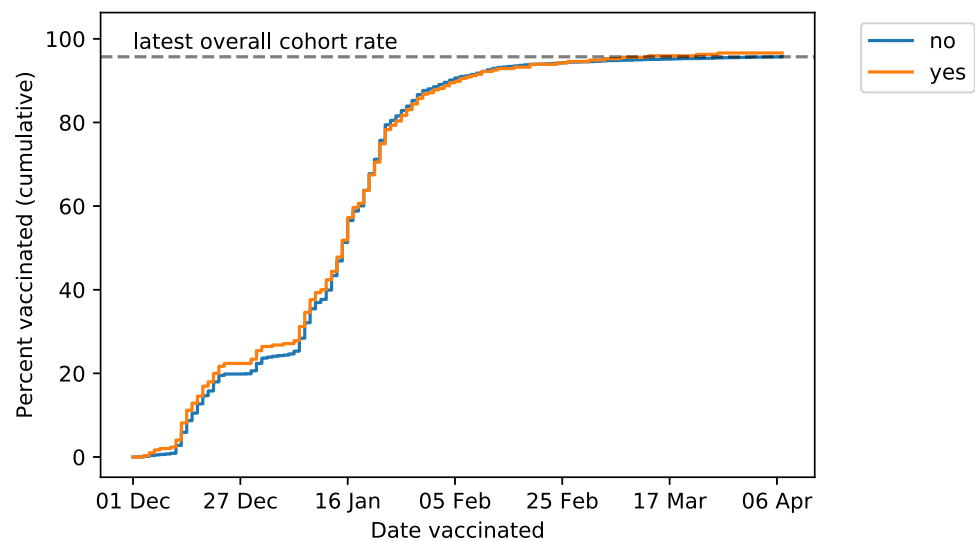## COVID vaccinations among 70-79 population

by Current COPD

COVID vaccinations among 70-79 population

by Dialysis

COVID vaccinations among 70-79 population

by Dementia

COVID vaccinations among 70-79 population

by Learning disability

COVID vaccinations among 70-79 population

by Psychosis, schizophrenia, or bipolar
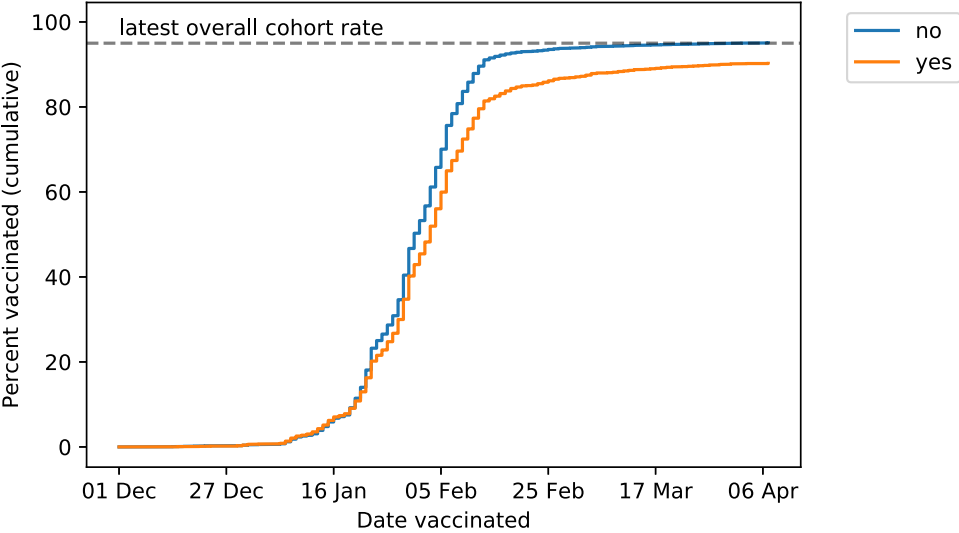
COVID vaccinations among 70-79 population

by SSRI (last 12 months)

COVID vaccinations among 70-79 population

by Age band
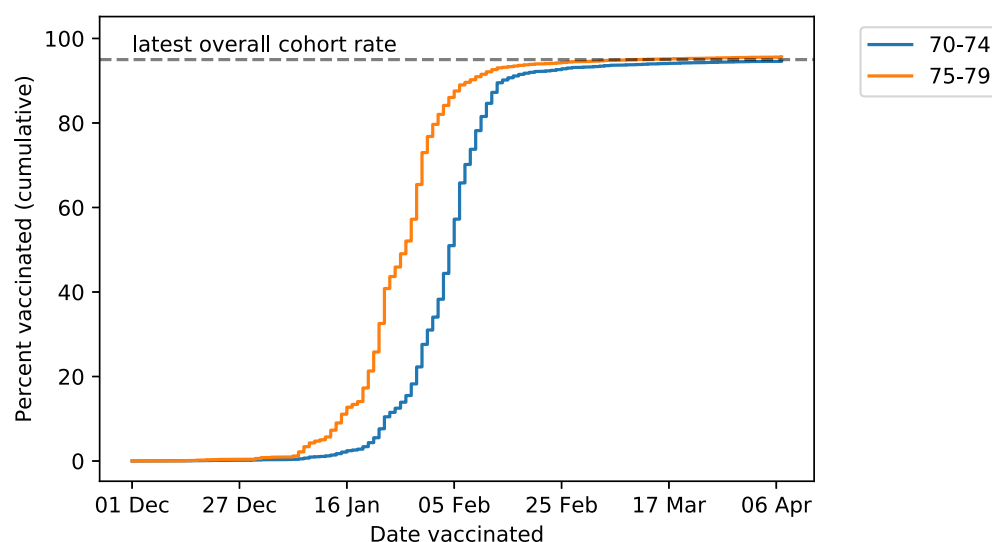
Trends in vaccination rates of shielding population according to demographic/clinical features, cumulatively by day.

*National rate calculated as at latest date for vaccinations recorded across all TPP practices.

Shielding population (aged 16-69)

COVID vaccinations among shielding (aged 16-69) population

by newly shielded since feb 15

COVID vaccinations among shielding (aged 16-69) population

by Age band
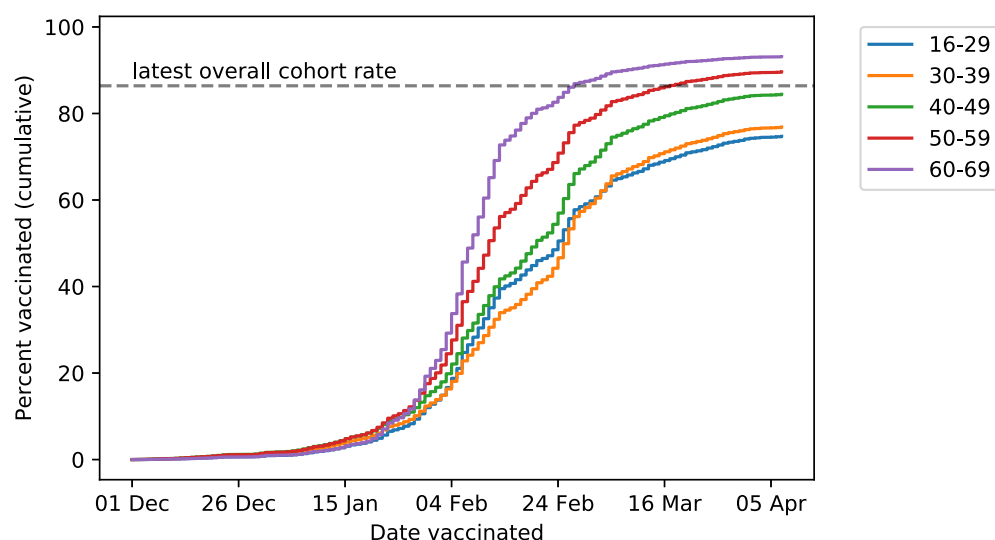
COVID vaccinations among shielding (aged 16-69) population

by Sex
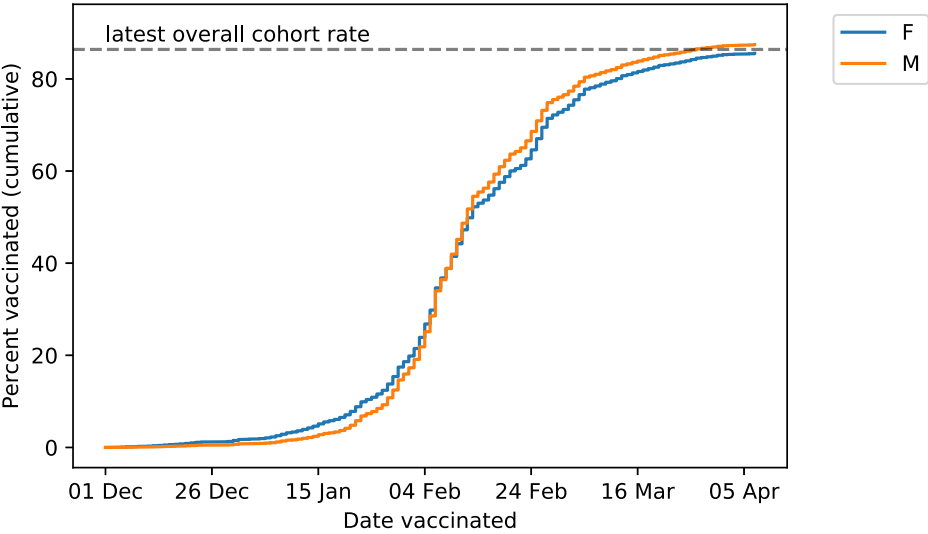
COVID vaccinations among shielding (aged 16-69) population

by Ethnicity (broad categories)
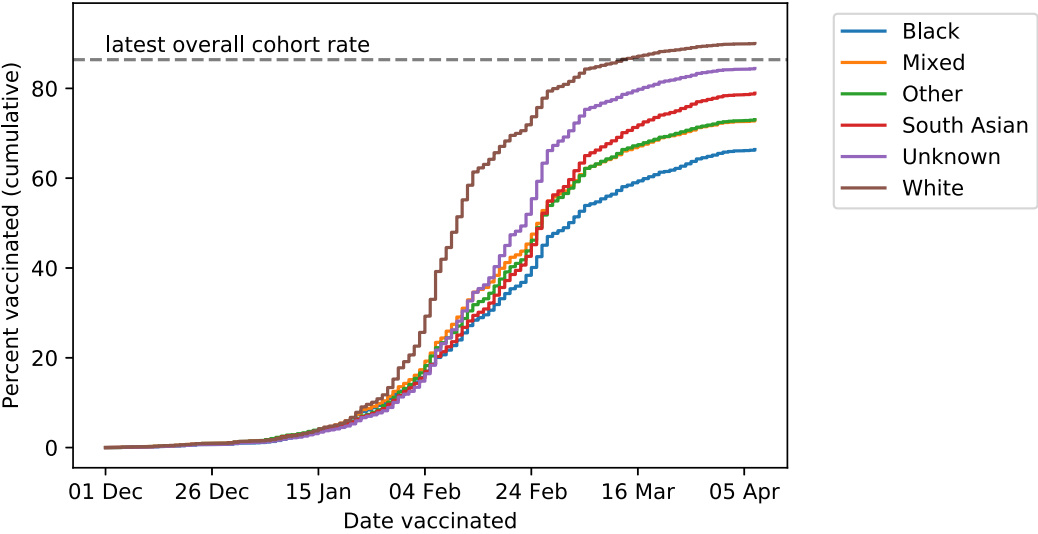
COVID vaccinations among shielding (aged 16-69) population

by Index of Multiple Deprivation (quintiles)
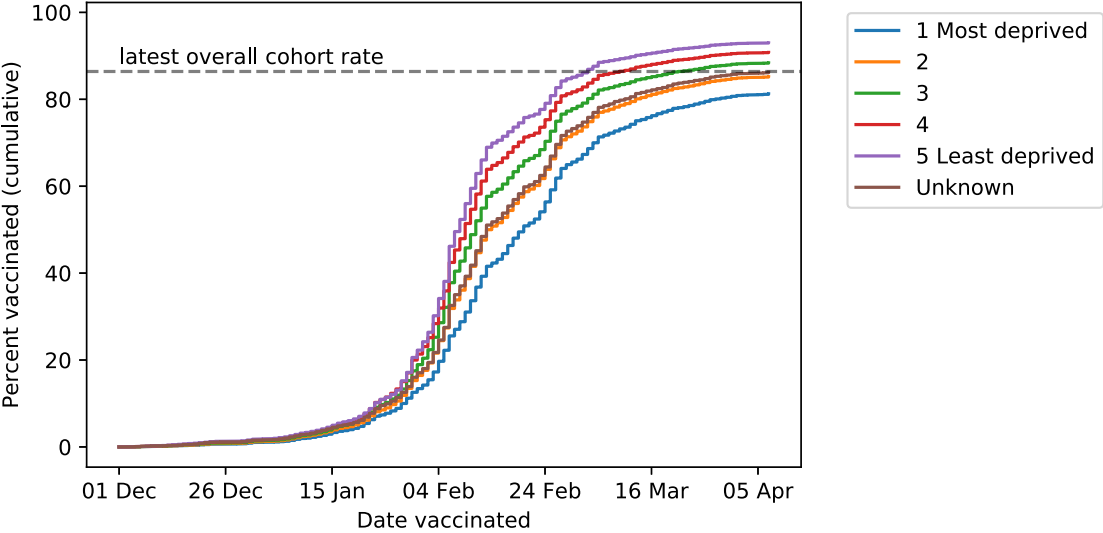
COVID vaccinations among shielding (aged 16-69) population

by Learning disability
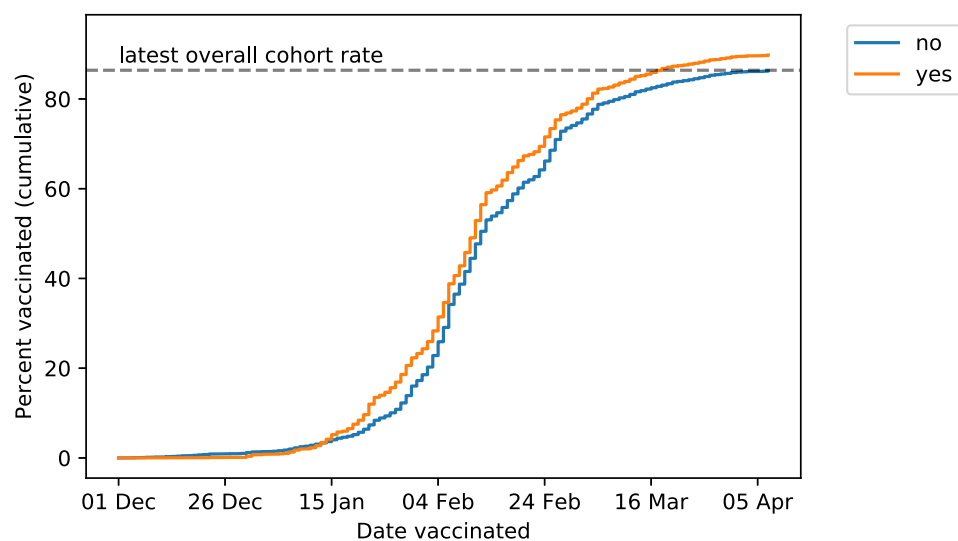
Trends in vaccination rates of 65-69 population according to demographic/clinical features, cumulatively by day.

*National rate calculated as at latest date for vaccinations recorded across all TPP practices.

65-69 population

COVID vaccinations among 65-69 population

by Sex
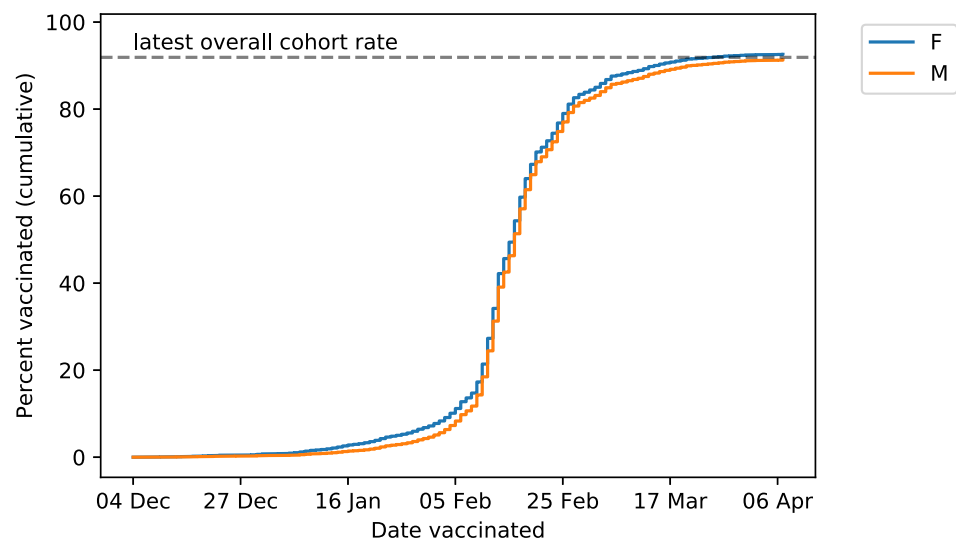
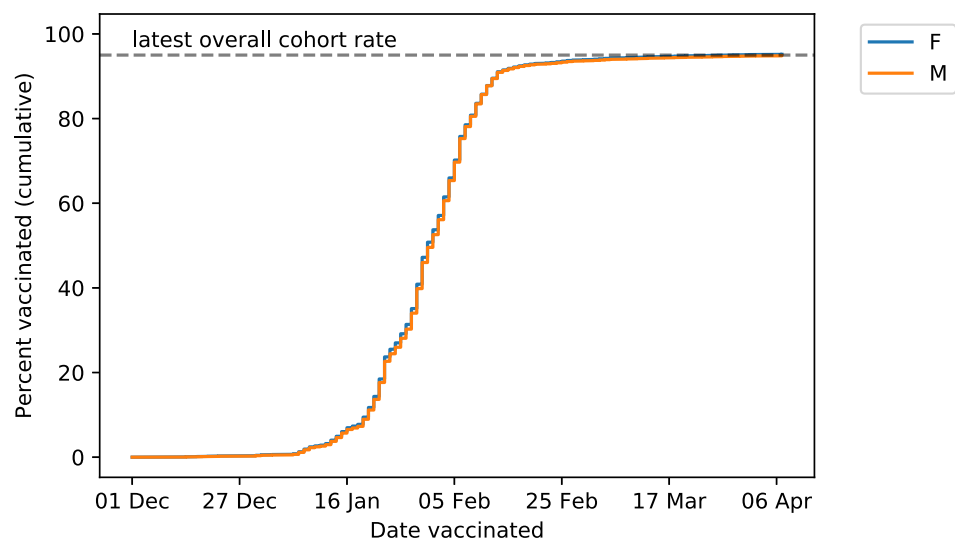## COVID vaccinations among 65-69 population

by Ethnicity (broad categories)
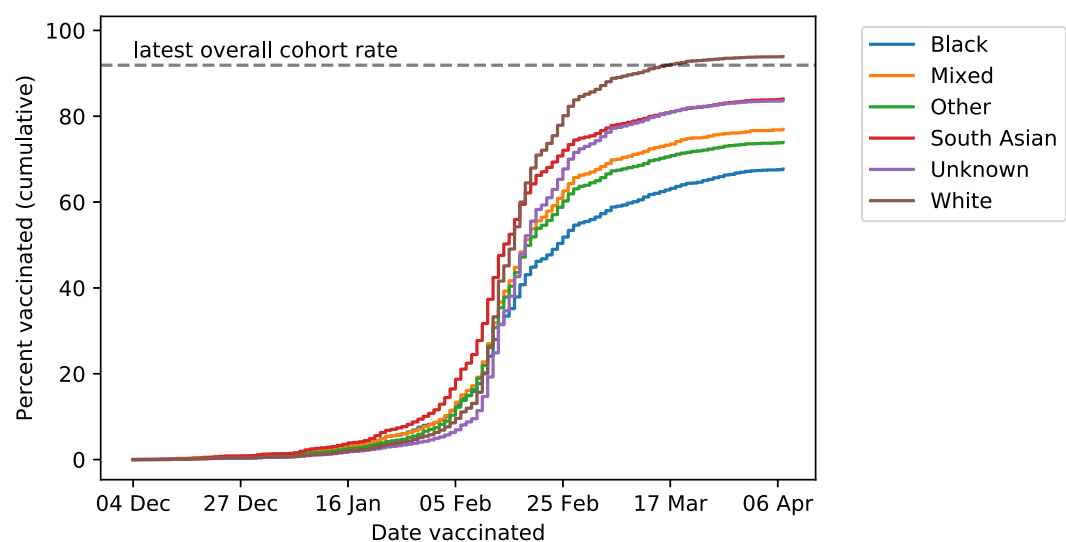
COVID vaccinations among 65-69 population

by Index of Multiple Deprivation (quintiles)
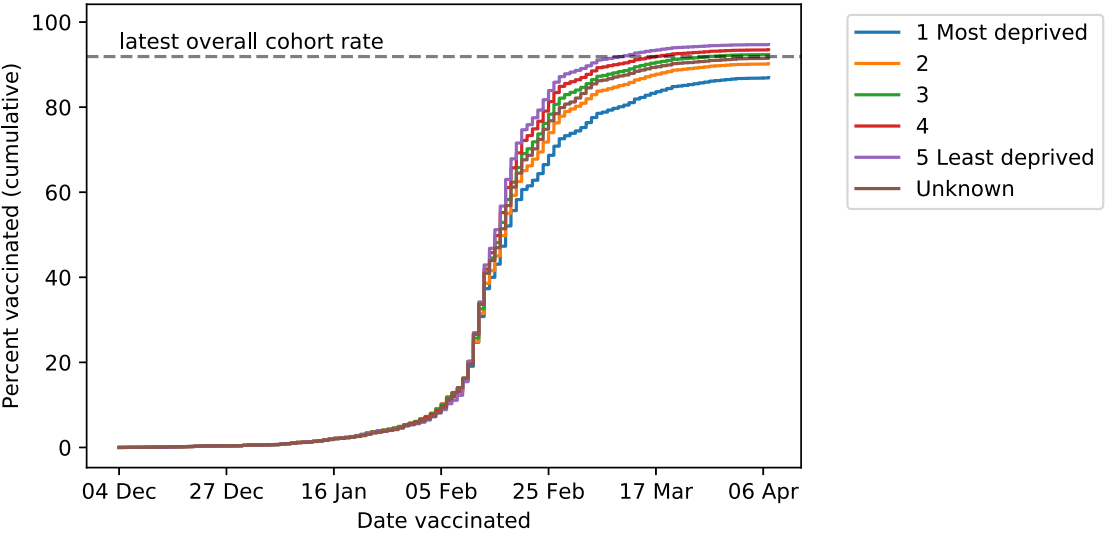
COVID vaccinations among 65-69 population

by BMI
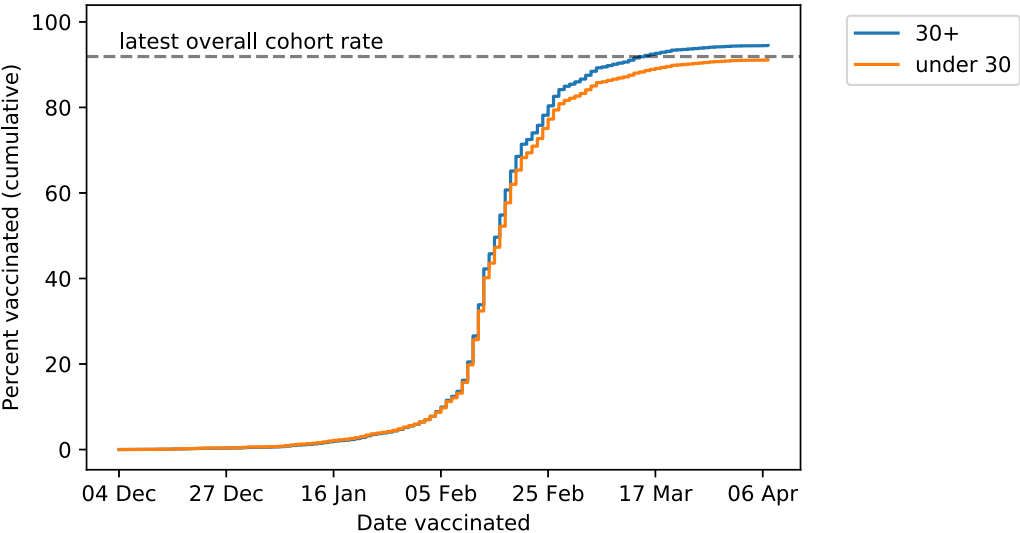
COVID vaccinations among 65-69 population

by Chronic cardiac disease
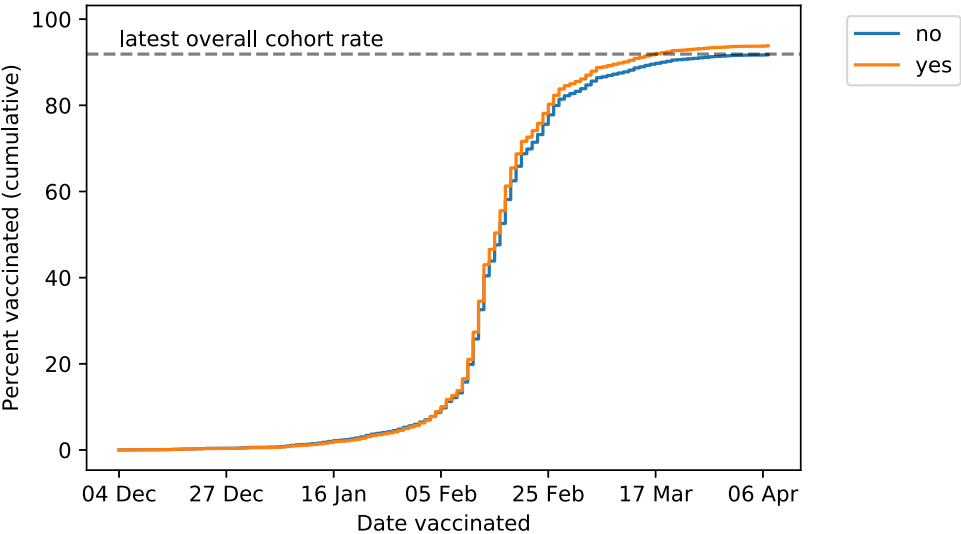
COVID vaccinations among 65-69 population

by Current COPD
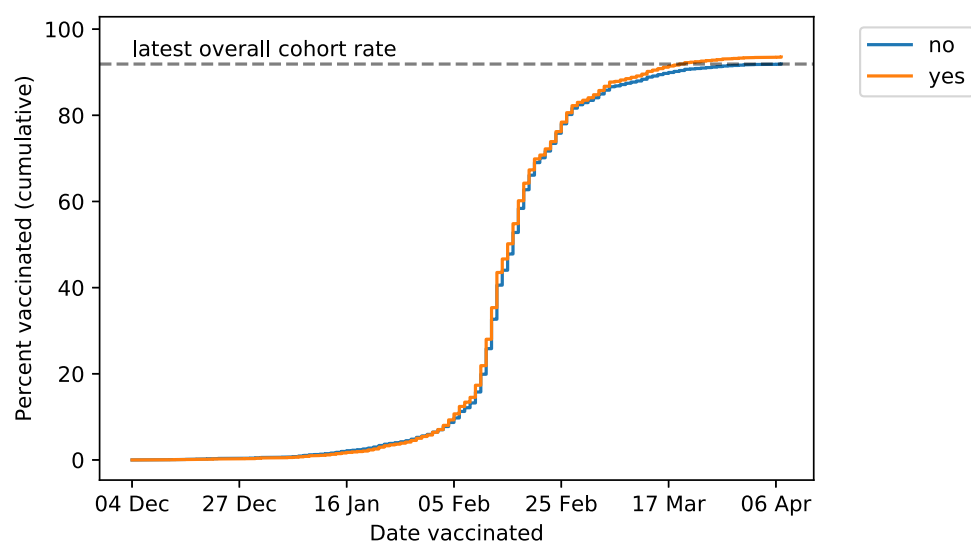
COVID vaccinations among 65-69 population

by Dementia
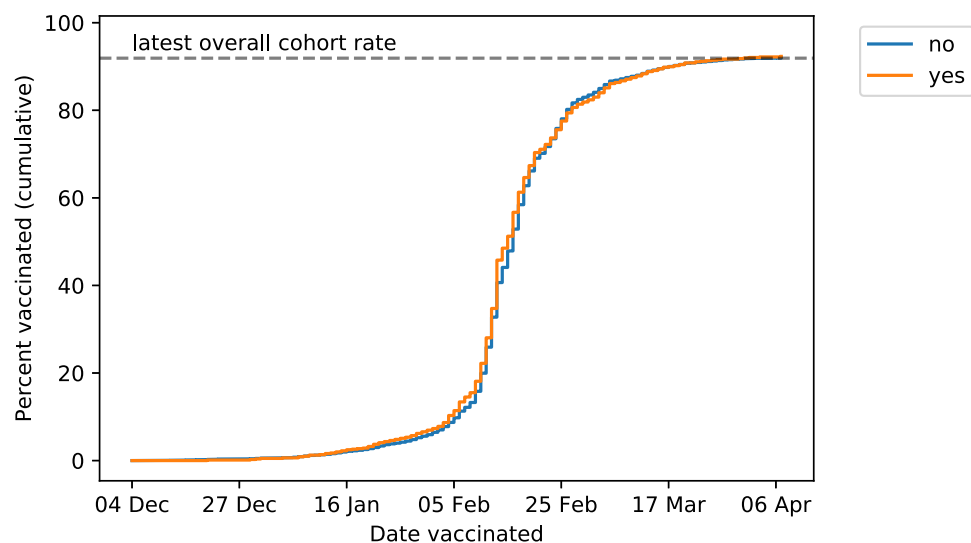
COVID vaccinations among 65-69 population

by Learning disability
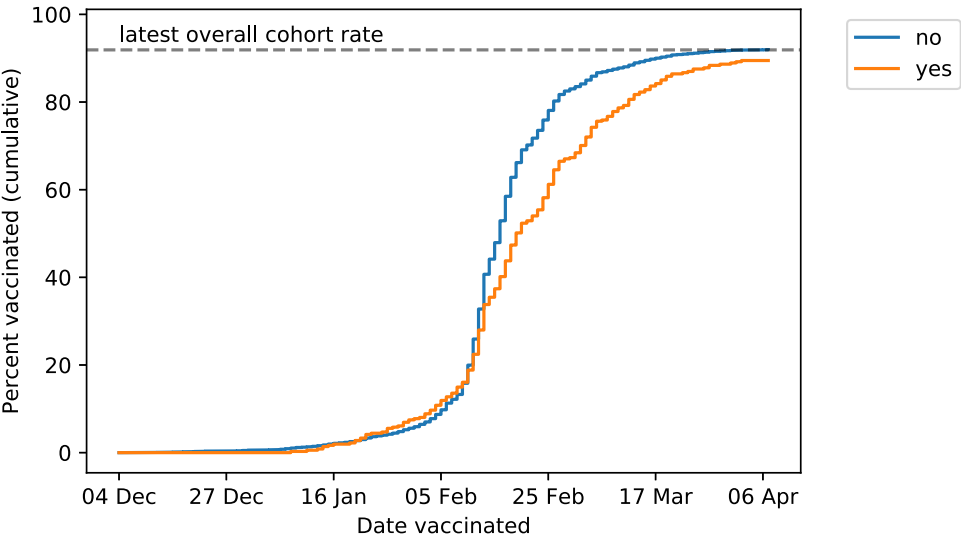
COVID vaccinations among 65-69 population

by Psychosis, schizophrenia, or bipolar
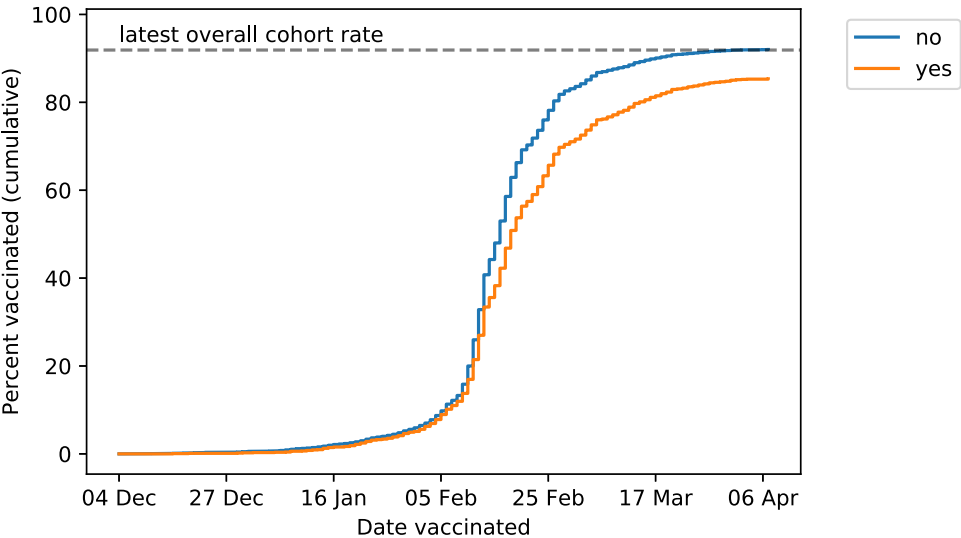
COVID vaccinations among 65-69 population

by SSRI (last 12 months)
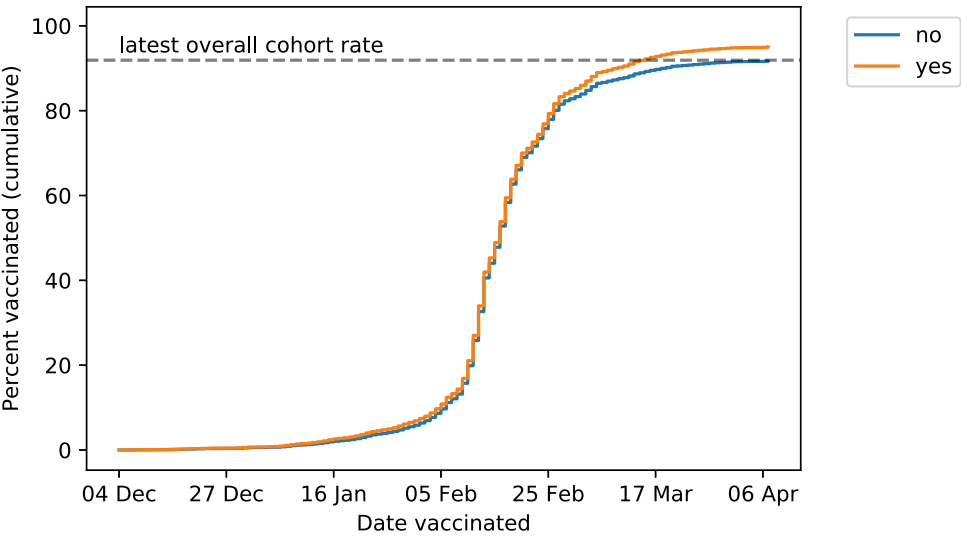
Trends in vaccination rates of 60-64 population according to demographic/clinical features, cumulatively by day.

*National rate calculated as at latest date for vaccinations recorded across all TPP practices.
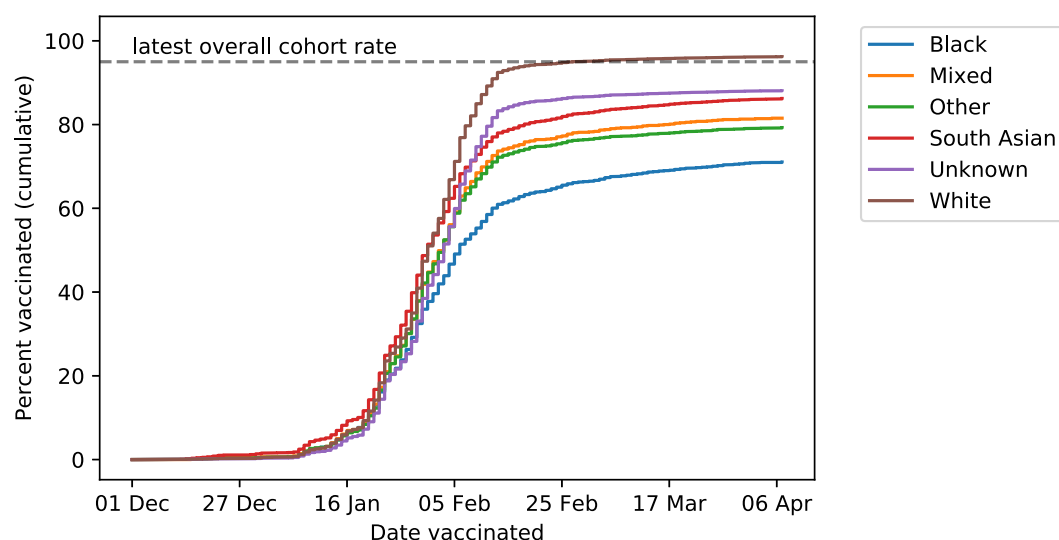
60-64 population

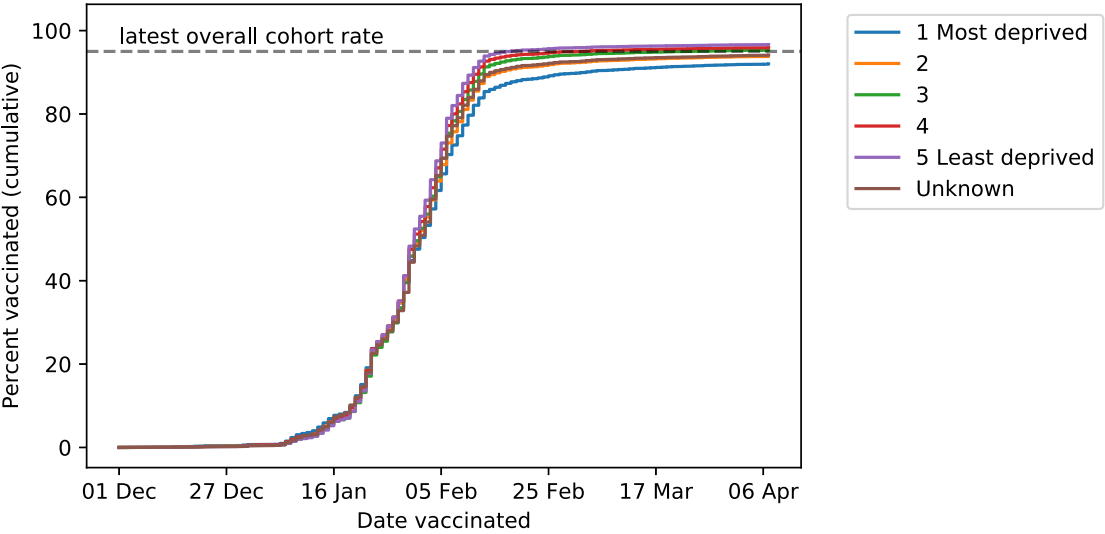## COVID vaccinations among 60-64 population

by Sex
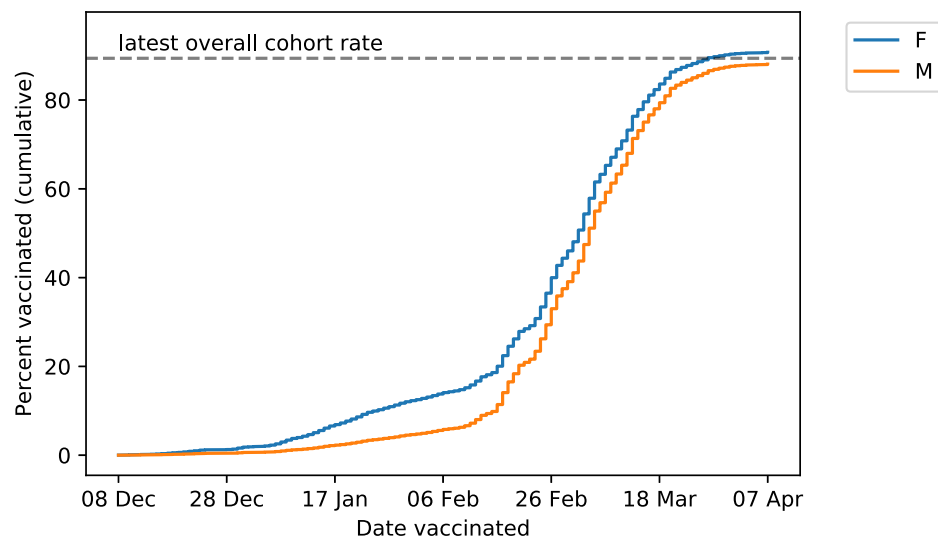
COVID vaccinations among 60-64 population

## by Ethnicity (broad categories)
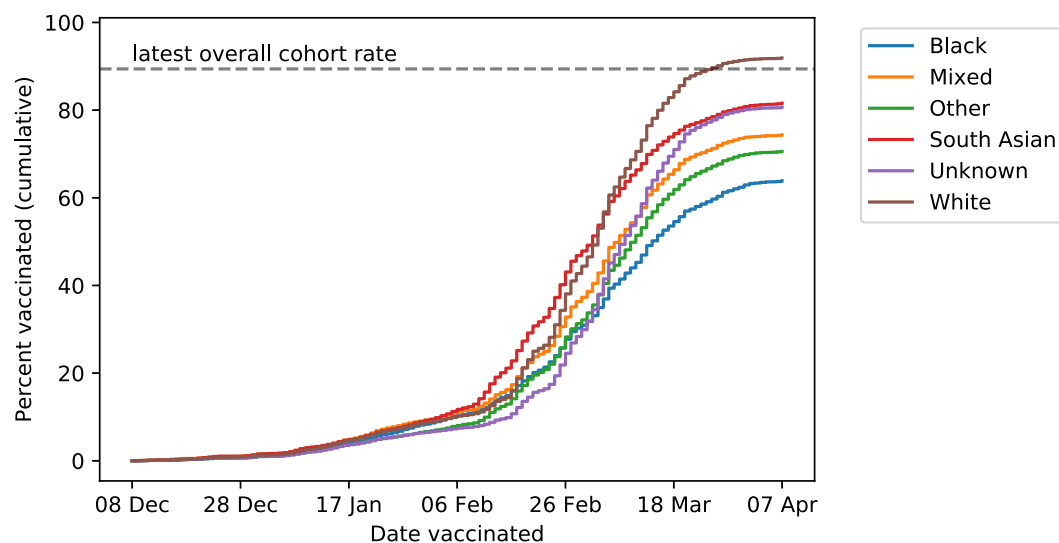
COVID vaccinations among 60-64 population

by Index of Multiple Deprivation (quintiles)
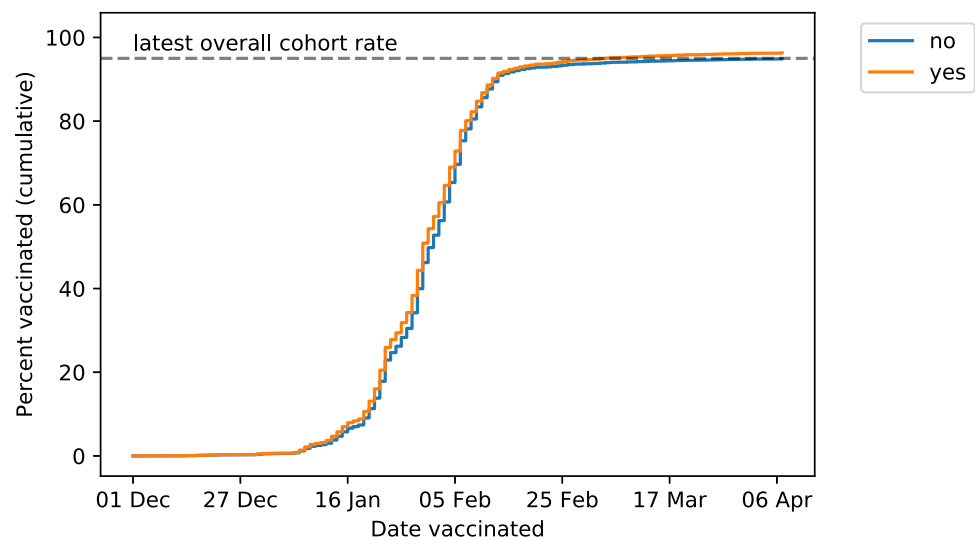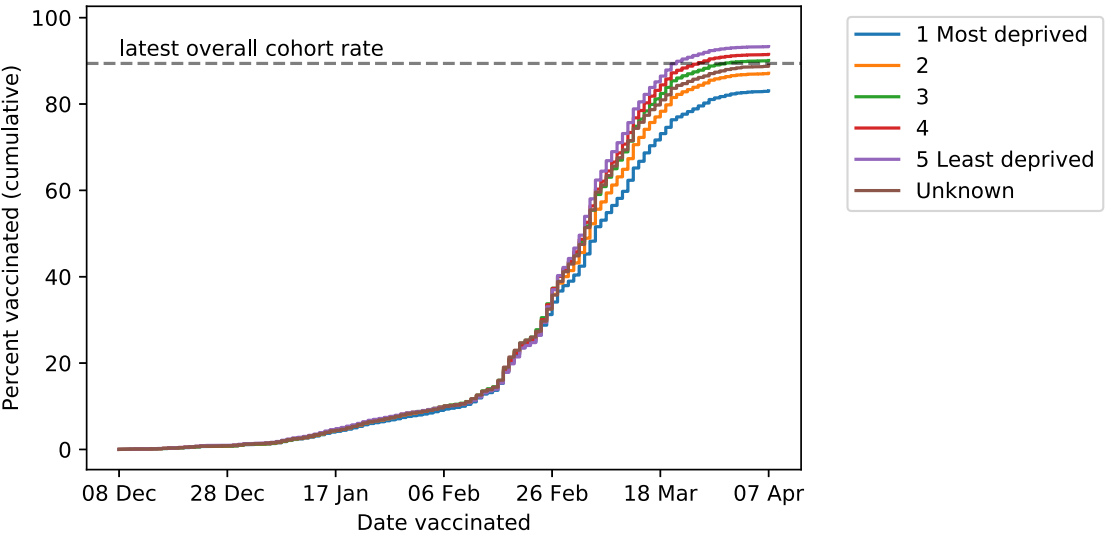
COVID vaccinations among 60-64 population

by BMI
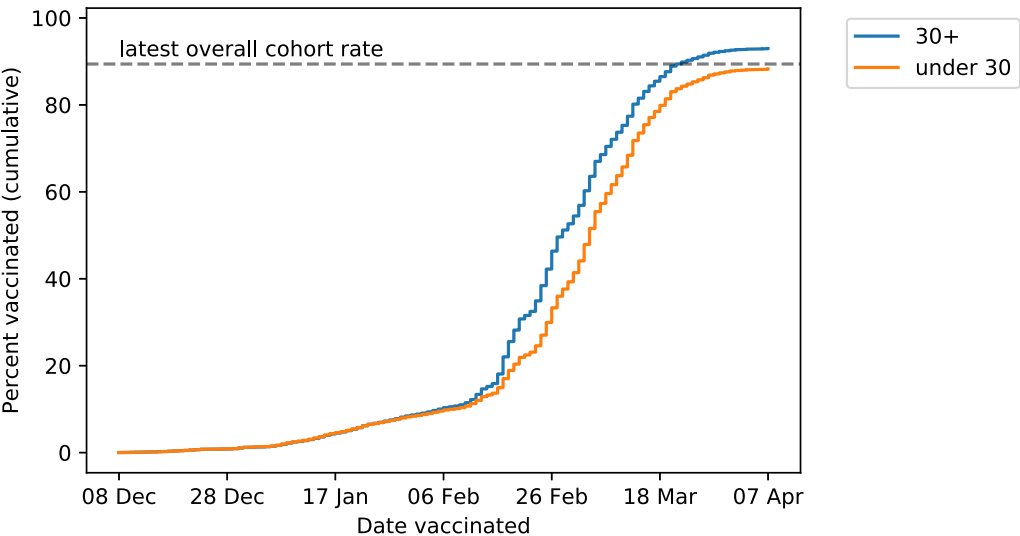
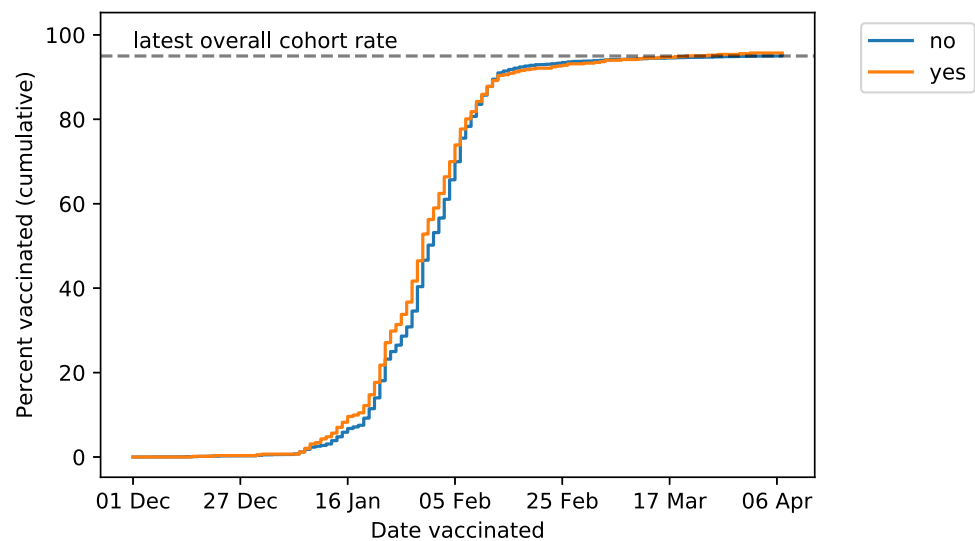## COVID vaccinations among 60-64 population

by Chronic cardiac disease
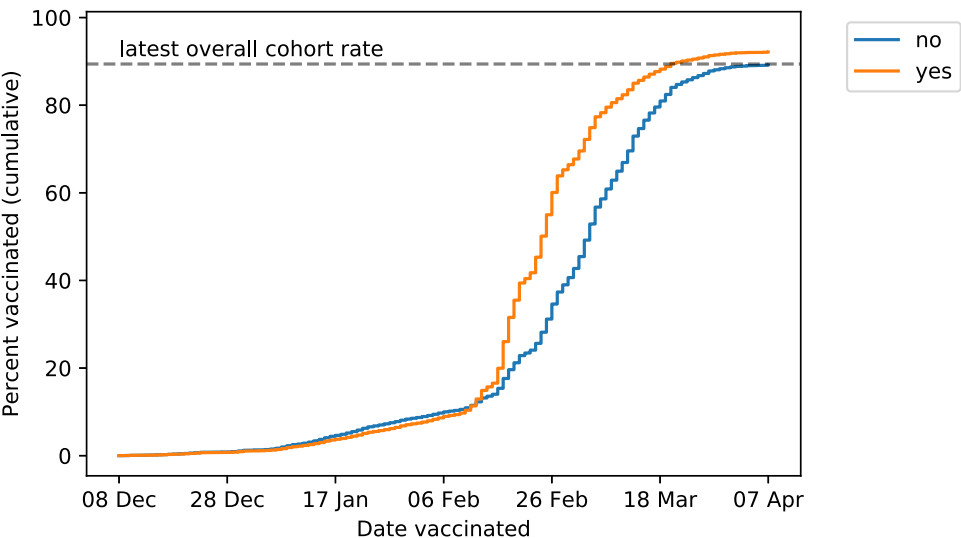
COVID vaccinations among 60-64 population

by Current COPD
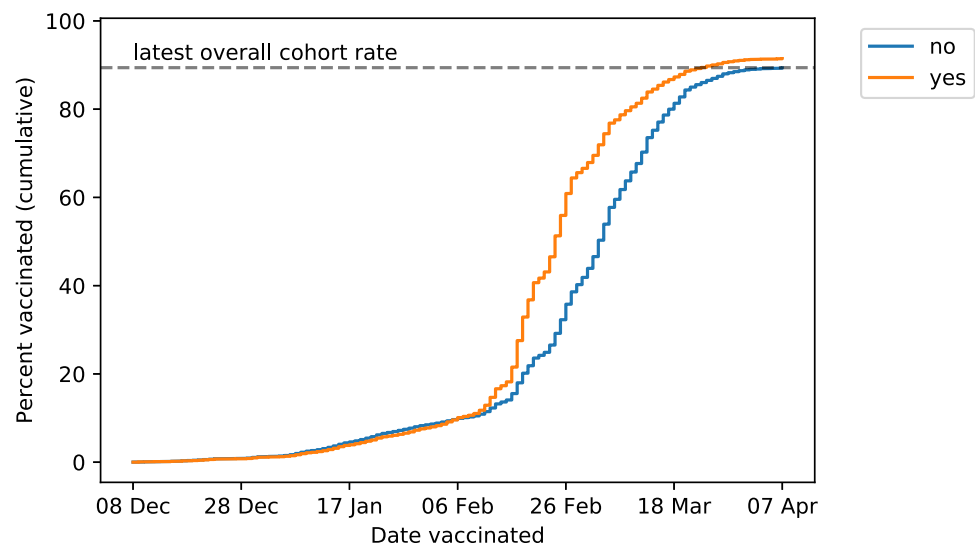
COVID vaccinations among 60-64 population

by Dementia
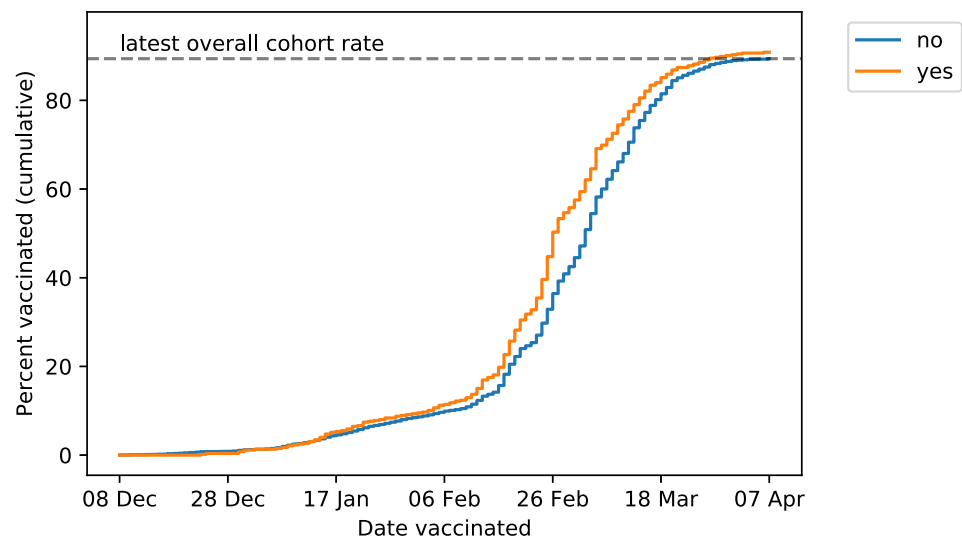
COVID vaccinations among 60-64 population

by Psychosis, schizophrenia, or bipolar
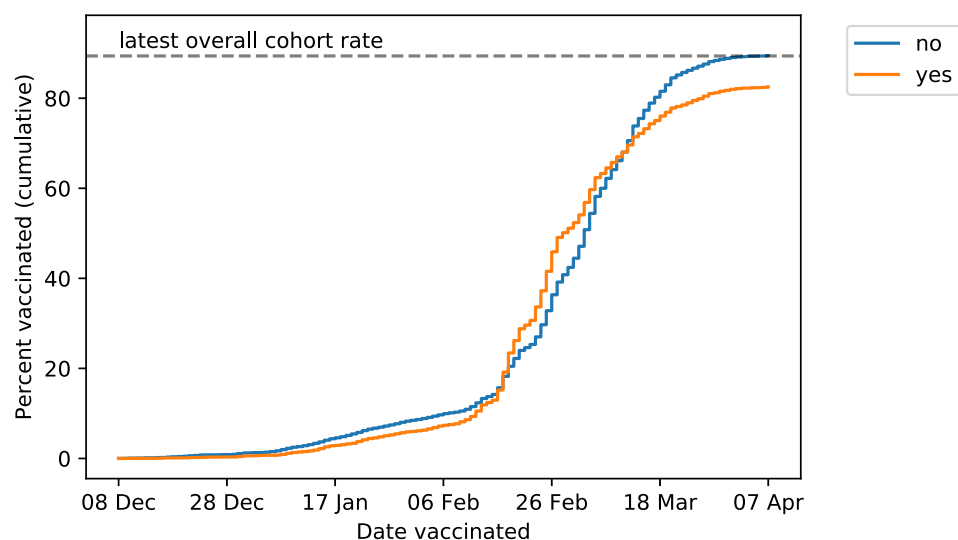
COVID vaccinations among 60-64 population

by SSRI (last 12 months)
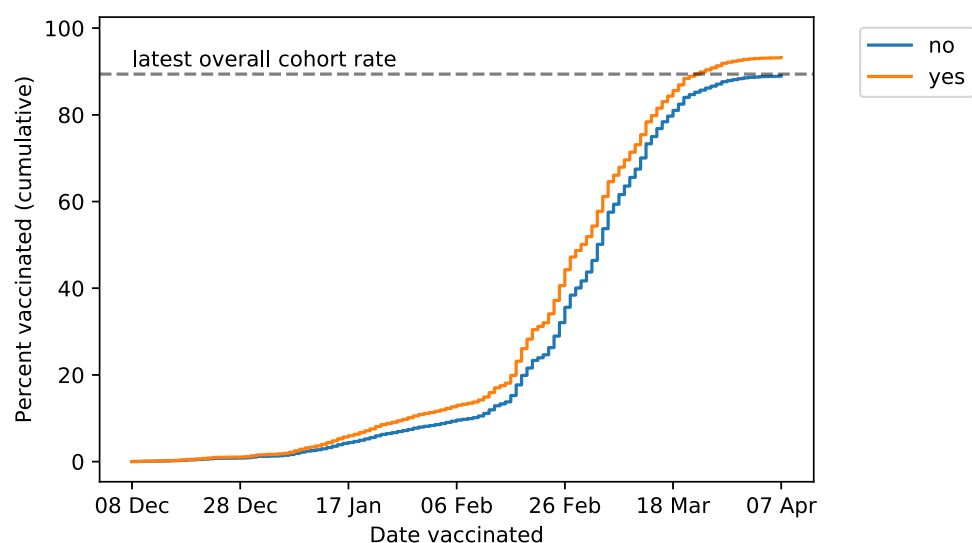
Trends in vaccination rates of 55-59 population according to demographic/clinical features, cumulatively by day.

*National rate calculated as at latest date for vaccinations recorded across all TPP practices.

55-59 population

COVID vaccinations among 55-59 population

by Sex
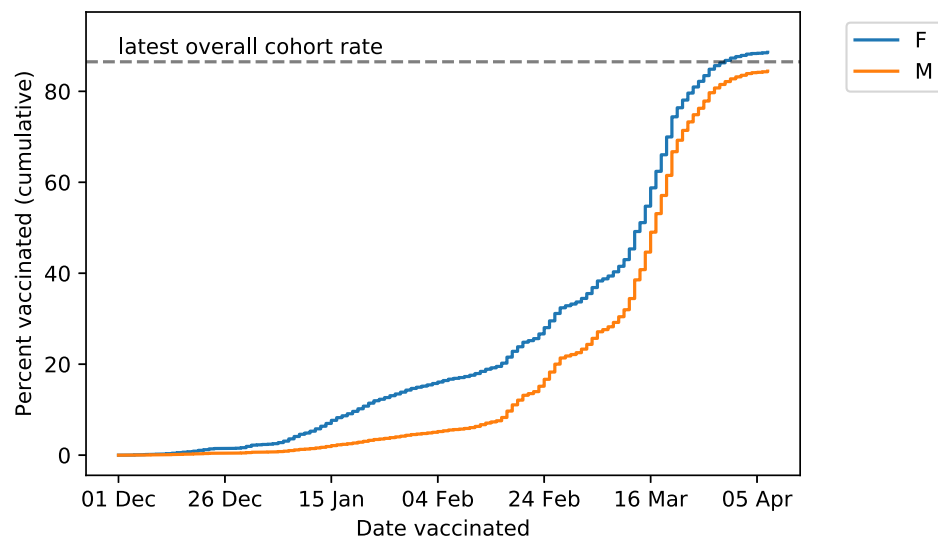
COVID vaccinations among 55-59 population

by Ethnicity (broad categories)
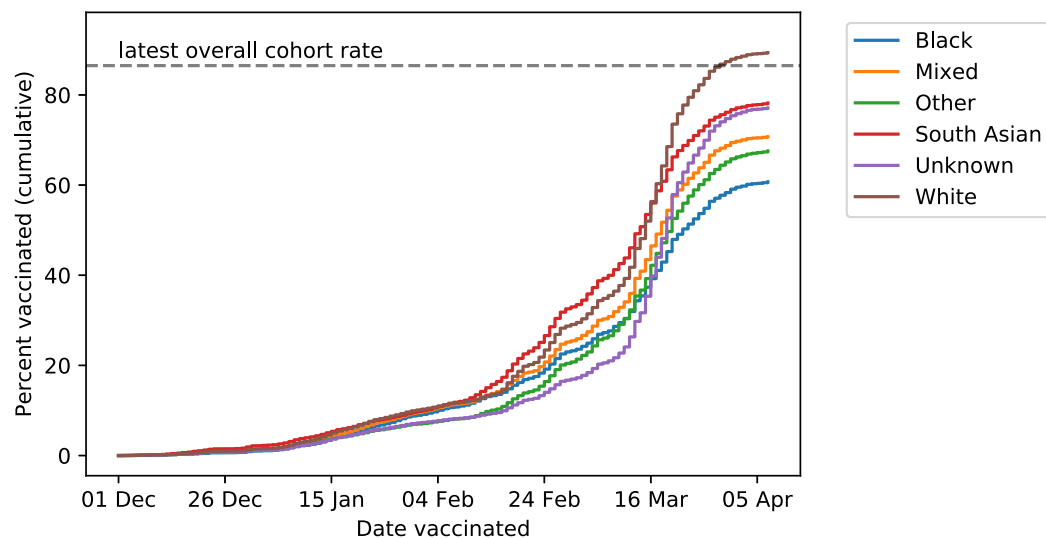
COVID vaccinations among 55-59 population

by Index of Multiple Deprivation (quintiles)
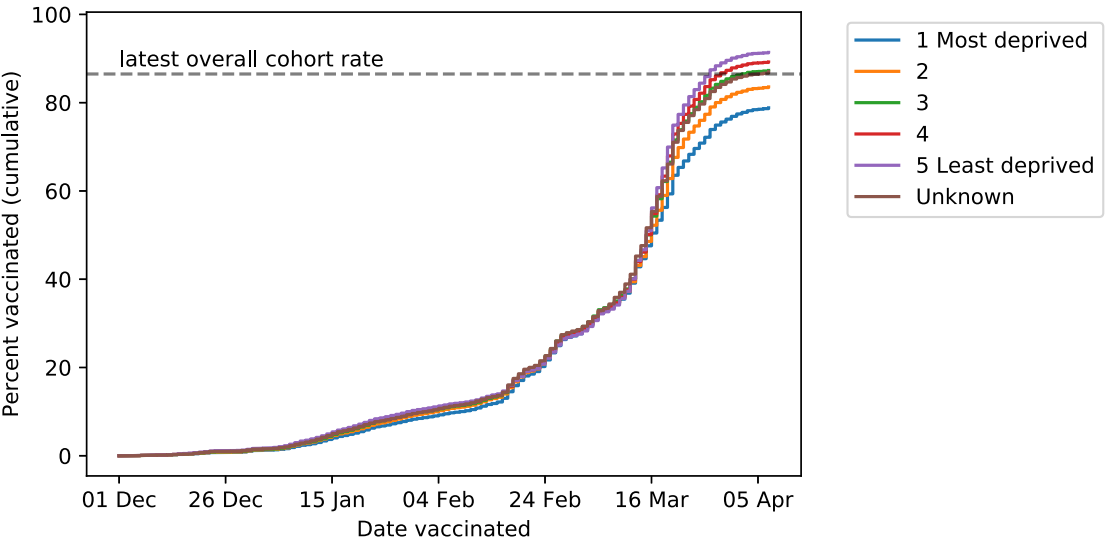
COVID vaccinations among 55-59 population

by BMI
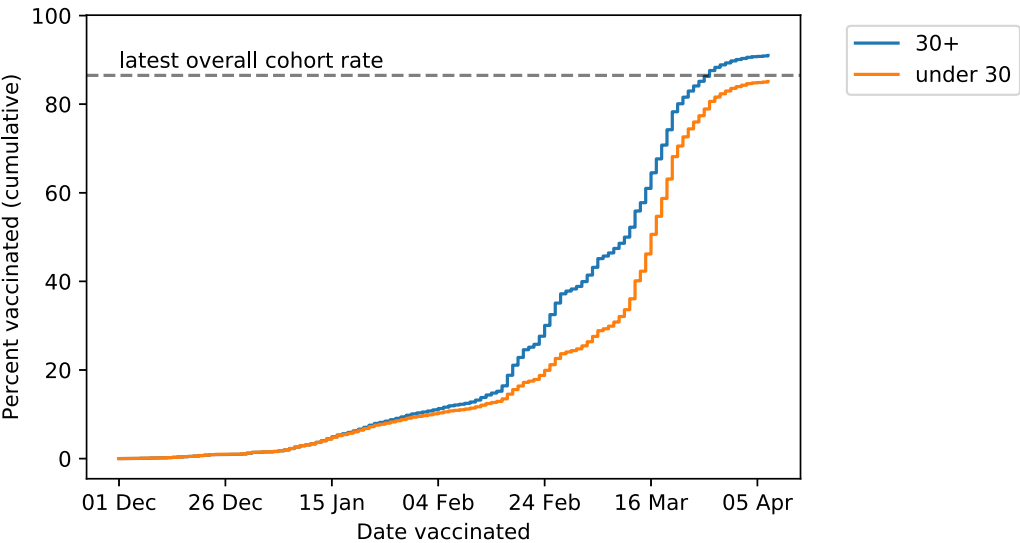
COVID vaccinations among 55-59 population

by Chronic cardiac disease
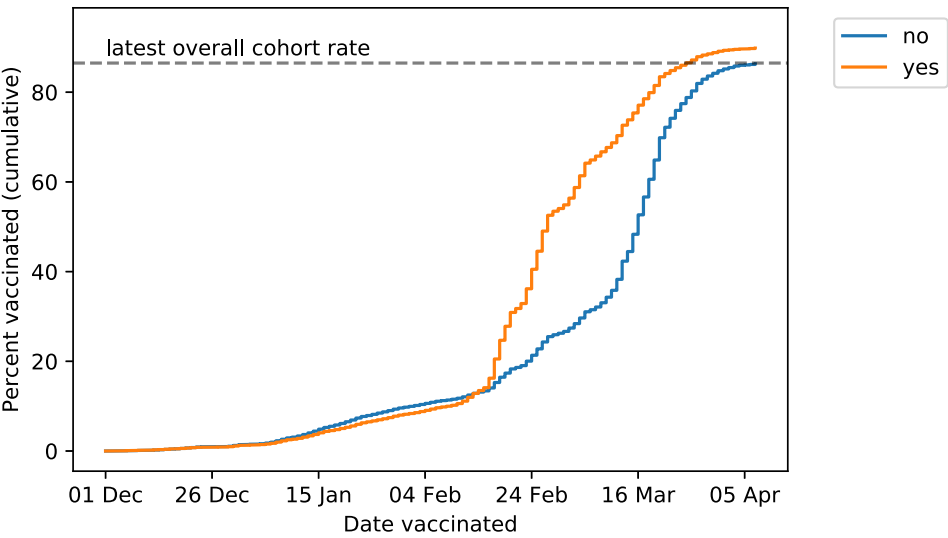
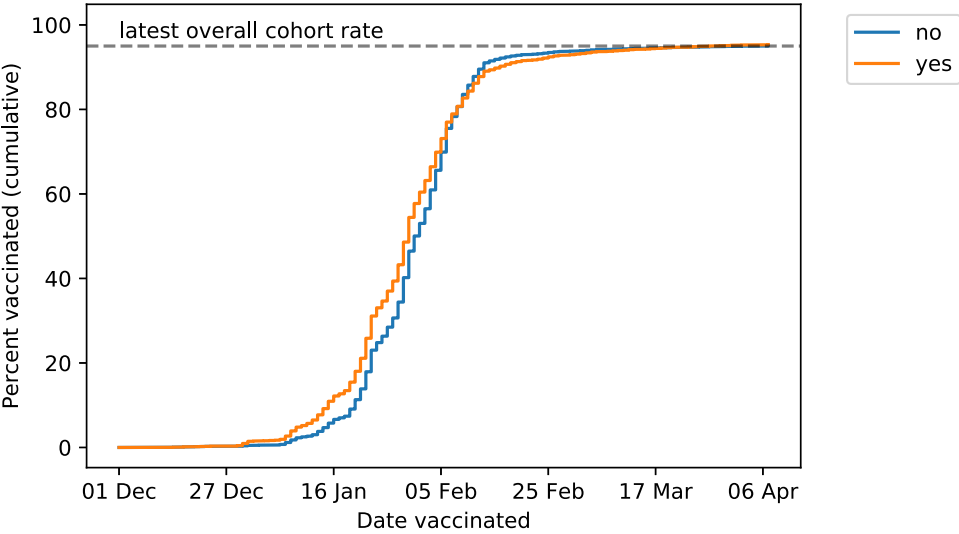## COVID vaccinations among 55-59 population

by Current COPD
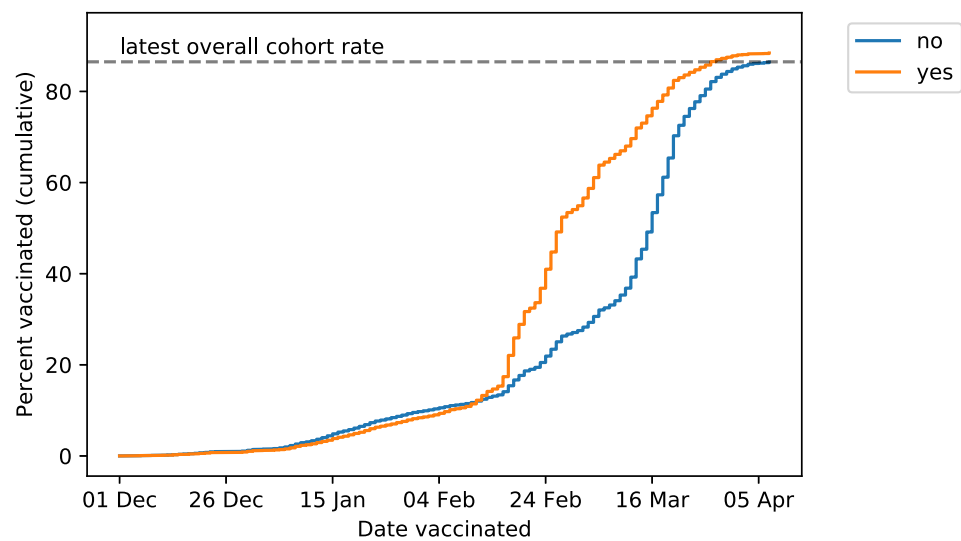
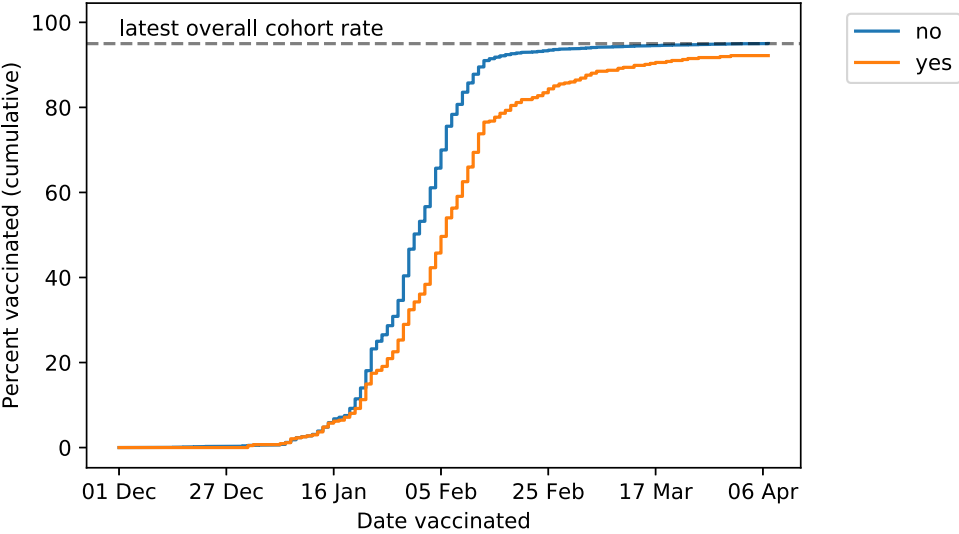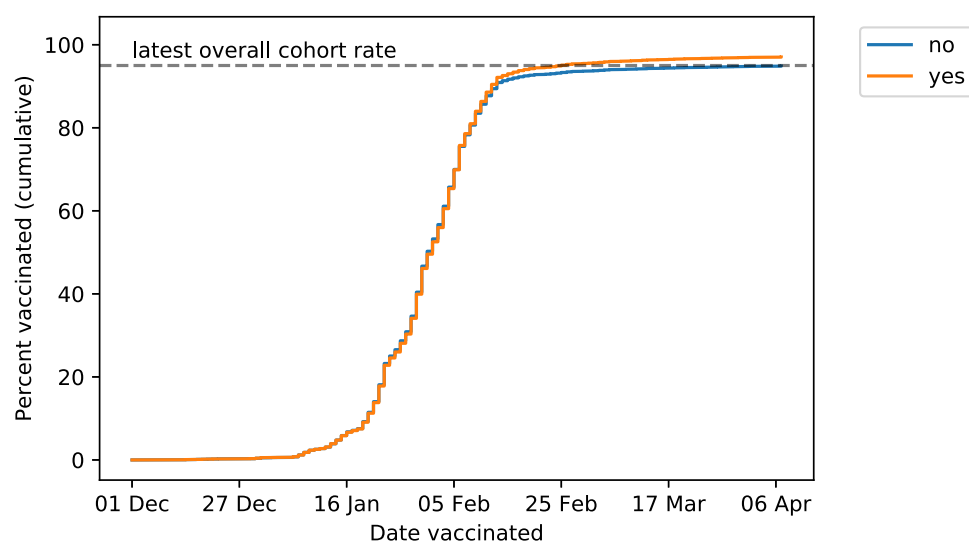## COVID vaccinations among 55-59 population

by Psychosis, schizophrenia, or bipolar

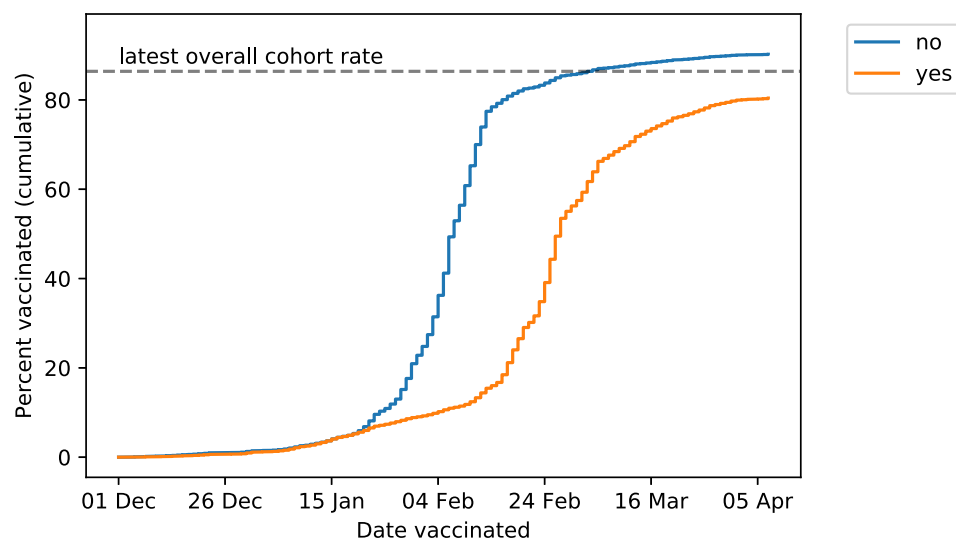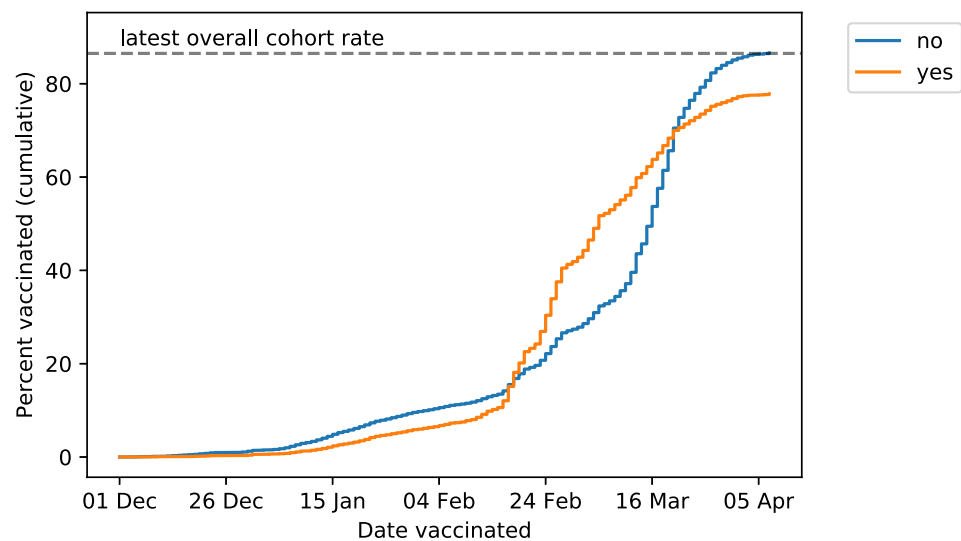## COVID vaccinations among 55-59 population

by SSRI (last 12 months)
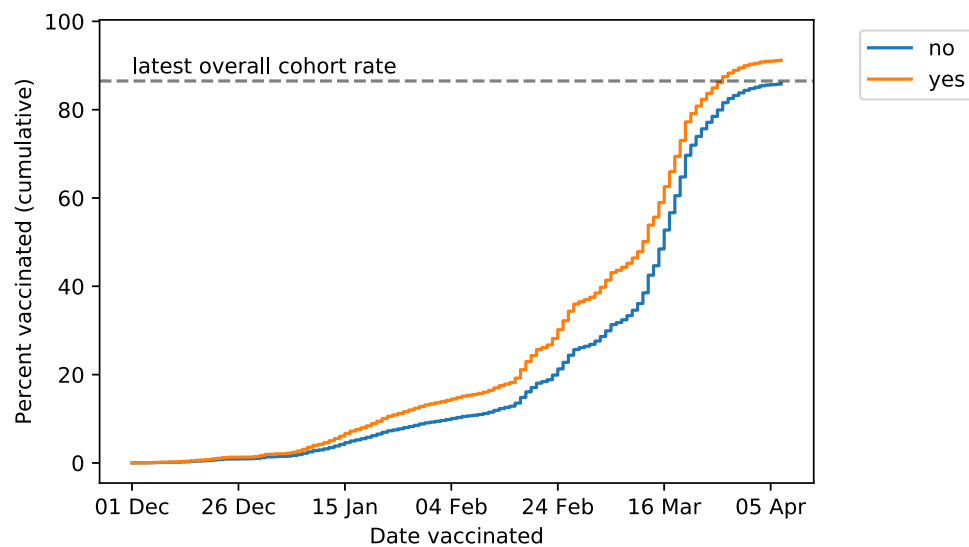
Trends in vaccination rates of 50-54 population according to demographic/clinical features, cumulatively by day.

*National rate calculated as at latest date for vaccinations recorded across all TPP practices.

50-54 population

COVID vaccinations among 50-54 population

by Sex
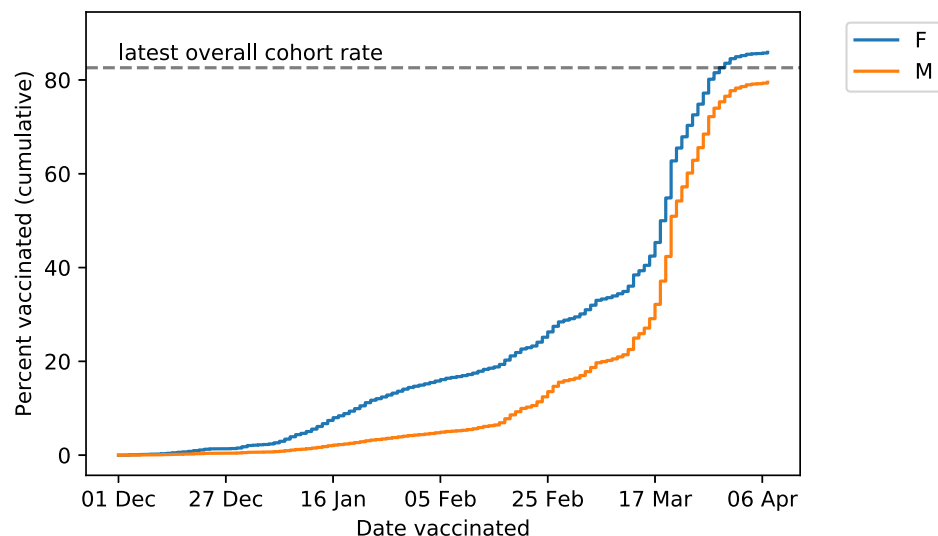
COVID vaccinations among 50-54 population

by Ethnicity (broad categories)
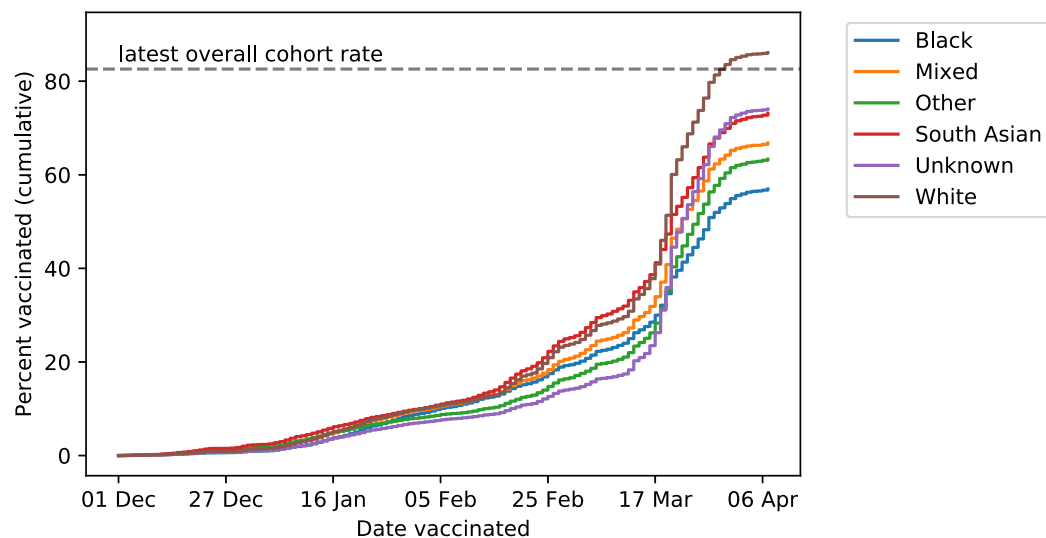
COVID vaccinations among 50-54 population

by Index of Multiple Deprivation (quintiles)
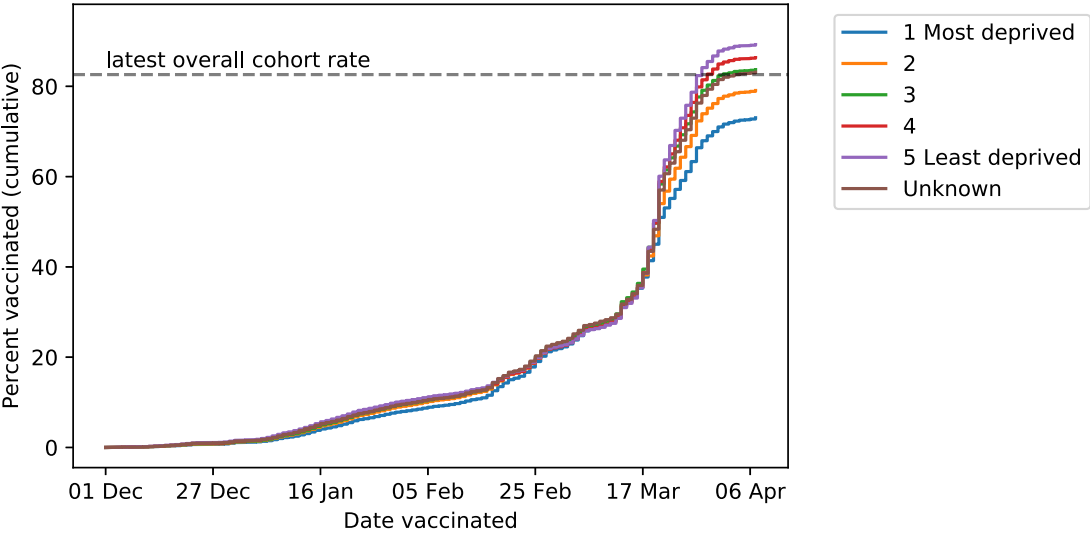
COVID vaccinations among 50-54 population

by BMI
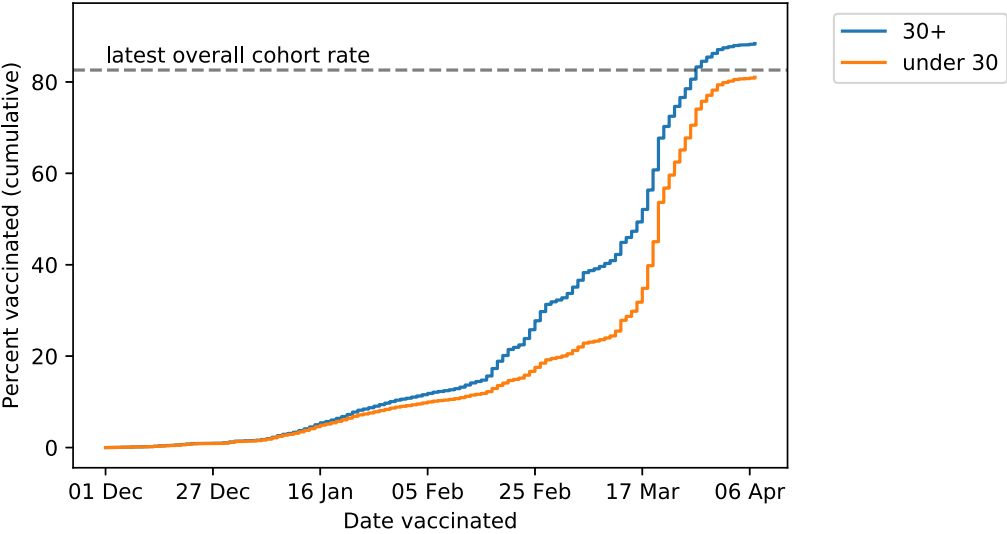
COVID vaccinations among 50-54 population

by Chronic cardiac disease
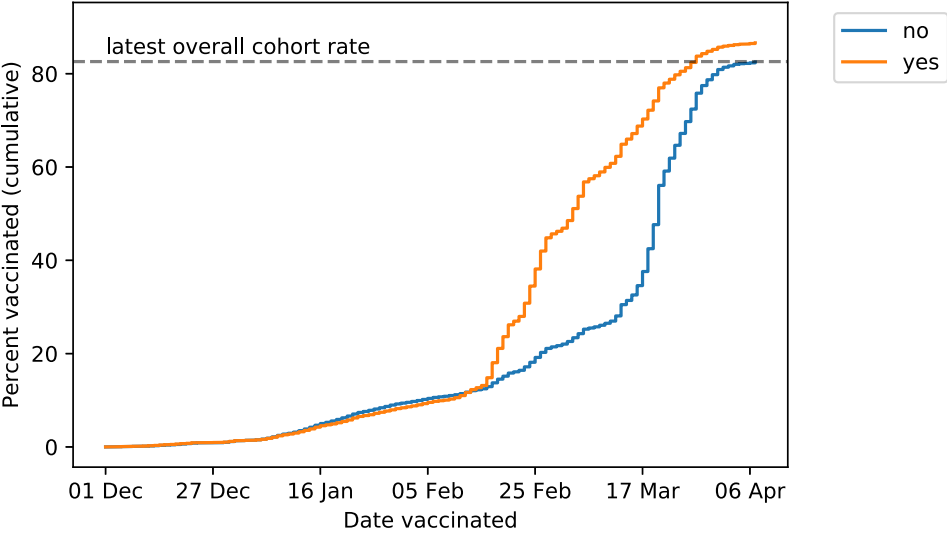
COVID vaccinations among 50-54 population

by Current COPD
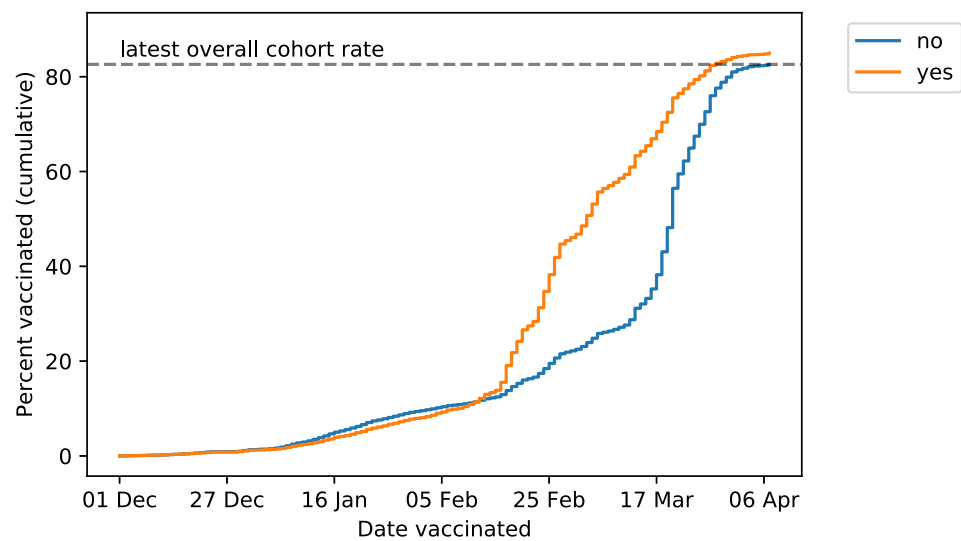
COVID vaccinations among 50-54 population

by Psychosis, schizophrenia, or bipolar
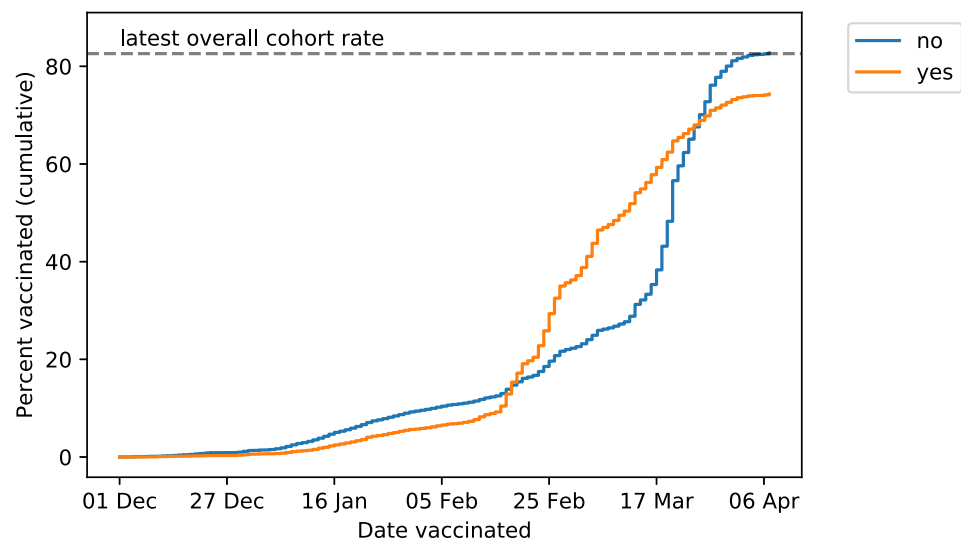
COVID vaccinations among 50-54 population

by SSRI (last 12 months)
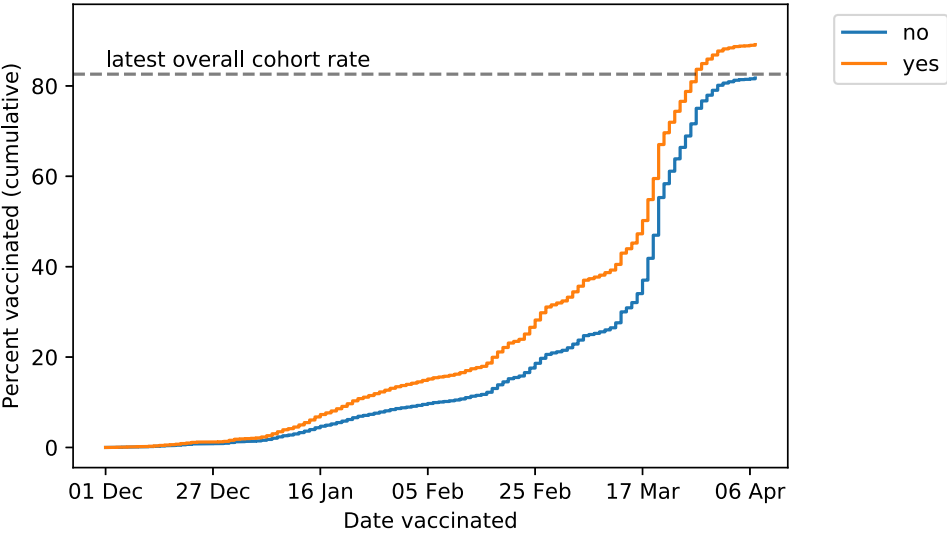
Vaccination rates of each eligible population group, according to demographic/clinical features

Cumulative vaccination figures among 80+ population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1076001	95.7	1124221	95.6	0.1
Sex	F	623224	95.6	651700	95.5	0.1
	M	452774	95.8	472514	95.7	0.1
Age band	80-84	565845	96.0	589470	95.9	0.1
	85-89	336497	95.8	351155	95.7	0.1
	90+	173656	94.6	183589	94.4	0.2
Ethnicity (broad categories)	Black	8232	74.2	11088	73.9	0.3
	Mixed	2688	82.4	3262	82.2	0.2
	Other	5579	82.2	6783	82.0	0.2
	South Asian	24563	86.1	28525	85.9	0.2
	Unknown	54600	86.3	63280	86.2	0.1
	White	980336	96.9	1011276	96.8	0.1
ethnicity 16 groups	African	1365	65.0	2100	64.7	0.3
	Bangladeshi or British Bangladeshi	1064	80.9	1316	80.3	0.6
	Caribbean	5901	77.1	7651	76.8	0.3
	Chinese	1351	79.1	1708	79.1	0.0
	Other	4228	83.3	5075	83.0	0.3
	Other Asian	3654	82.9	4410	82.7	0.2
	British or Mixed British	931336	97.2	958062	97.1	0.1
	Indian or British Indian	13657	90.9	15022	90.7	0.2
	Irish	9198	94.6	9723	94.5	0.1
	Other Black	966	71.9	1344	71.4	0.5
	Other White	39802	91.5	43498	91.3	0.2
	Other mixed	1001	86.1	1162	85.5	0.6
	Pakistani or British Pakistani	6188	79.6	7770	79.3	0.3
	Unknown	54593	86.3	63273	86.2	0.1
	White + Asian	469	87.0	539	87.0	0.0
	White + Black African	266	71.7	371	69.8	1.9
	White + Black Caribbean	966	80.2	1204	79.7	0.5
Index of Multiple Deprivation (quintiles)	1 Most deprived	134764	92.4	145845	92.2	0.2
	2	178024	94.5	188342	94.3	0.2
	3	240835	96.0	250740	95.9	0.1
	4	250390	96.6	259175	96.5	0.1
	5 Least deprived	252987	97.2	260155	97.1	0.1
	Unknown	18991	95.1	19964	95.0	0.1
BMI	30+	189588	96.9	195615	96.8	0.1
	under 30	886403	95.5	928599	95.3	0.2
Chronic cardiac disease	no	750337	95.2	787899	95.1	0.1
	yes	325661	96.8	336315	96.7	0.1
Current COPD	no	962150	95.6	1006642	95.5	0.1
	yes	113848	96.8	117572	96.7	0.1

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Dialysis	no	1074003	95.7	1122142	95.6	0.1
	yes	1995	96.6	2065	96.6	0.0
DMARDs	no	1042167	95.7	1089529	95.5	0.2
	yes	33831	97.6	34678	97.4	0.2
Dementia	no	985971	95.7	1030113	95.6	0.1
	yes	90020	95.7	94101	95.5	0.2
Psychosis, schizophrenia, or bipolar	no	1067983	95.7	1115513	95.6	0.1
	yes	8008	92.0	8701	91.9	0.1
Learning disability	no	1075487	95.7	1123668	95.6	0.1
	yes	511	93.6	546	93.6	0.0
SSRI (last 12 months)	no	1008854	95.6	1055313	95.5	0.1
	yes	67137	97.4	68901	97.3	0.1
Chemo or radiotherapy	no	1039178	95.7	1086379	95.5	0.2
	yes	36813	97.3	37835	97.2	0.1
Cancer (lung)	no	1068655	95.7	1116605	95.6	0.1
	yes	7343	96.5	7609	96.3	0.2
Cancer (excluding lung/haem)	no	880313	95.4	923041	95.2	0.2
	yes	195678	97.3	201166	97.2	0.1
Cancer (haematological)	no	1055950	95.7	1103592	95.6	0.1
	yes	20048	97.2	20622	97.1	0.1

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those known to live in an elderly care home, based upon clinical coding.

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Cumulative vaccination figures among 70-79 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1963490	95.0	2066323	94.9	0.1
Sex	F	1031163	95.2	1083320	95.1	0.1
	M	932323	94.8	982996	94.8	0.0
Age band	70-74	1134938	94.6	1199786	94.5	0.1
	75-79	828548	95.6	866530	95.5	0.1
Ethnicity (broad categories)	Black	10444	71.0	14700	70.8	0.2
	Mixed	5250	81.5	6440	81.3	0.2
	Other	12159	79.3	15337	79.1	0.2
	South Asian	47383	86.2	54950	85.9	0.3
	Unknown	127932	88.1	145257	88.0	0.1
	White	1760318	96.2	1829632	96.1	0.1
ethnicity 16 groups	African	3430	65.2	5257	64.8	0.4
	Bangladeshi or British Bangladeshi	1540	85.3	1806	84.9	0.4
	Caribbean	5201	74.7	6958	74.4	0.3
	Chinese	3185	78.4	4060	78.3	0.1
	Other	8974	79.6	11277	79.3	0.3
	Other Asian	9303	83.2	11179	83.0	0.2
	British or Mixed British	1673756	96.7	1731366	96.6	0.1
	Indian or British Indian	27321	90.1	30324	89.9	0.2
	Irish	14133	93.1	15176	93.0	0.1
	Other Black	1813	73.2	2478	72.9	0.3
	Other White	72422	87.2	83097	87.0	0.2
	Other mixed	2086	82.8	2520	82.8	0.0
	Pakistani or British Pakistani	9226	79.2	11648	78.7	0.5
	Unknown	127918	88.1	145243	88.0	0.1
	White + Asian	1190	87.2	1365	87.2	0.0
	White + Black African	812	75.8	1071	75.2	0.6
	White + Black Caribbean	1162	77.9	1491	77.9	0.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	251069	92.0	272972	91.8	0.2
	2	329217	93.8	350917	93.7	0.1
	3	438158	95.3	459844	95.2	0.1
	4	456029	95.9	475573	95.8	0.1
	5 Least deprived	452984	96.6	468713	96.6	0.0
	Unknown	36036	94.1	38290	93.9	0.2
BMI	30+	492856	96.4	511021	96.4	0.0
	under 30	1470630	94.6	1555295	94.5	0.1
Chronic cardiac disease	no	1607116	94.8	1695855	94.7	0.1
	yes	356370	96.2	370461	96.1	0.1
Current COPD	no	1774444	94.9	1869952	94.8	0.1
	yes	189042	96.3	196364	96.2	0.1
Dialysis	no	1959573	95.0	2062235	94.9	0.1

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
	yes	3906	95.7	4081	95.5	0.2
DMARDs	no	1893465	94.9	1994244	94.9	0.0
	yes	70021	97.2	72072	97.0	0.2
Dementia	no	1921906	95.0	2022706	94.9	0.1
	yes	41580	95.3	43610	95.2	0.1
Psychosis, schizphrenia, or bipolar	no	1944957	95.1	2045792	95.0	0.1
	yes	18522	90.2	20524	90.1	0.1
Learning disability	no	1960672	95.0	2063271	94.9	0.1
	yes	2807	92.2	3045	92.2	0.0
SSRI (last 12 months)	no	1813336	94.9	1911581	94.8	0.1
	yes	150150	97.0	154735	96.9	0.1
Chemo or radiotherapy	no	1896216	95.0	1996946	94.9	0.1
	yes	67263	97.0	69370	96.9	0.1
Cancer (lung)	no	1951313	95.0	2053639	94.9	0.1
	yes	12173	96.0	12677	95.9	0.1
Cancer (excluding lung/haem)	no	1686391	94.7	1780261	94.6	0.1
	yes	277095	96.9	286055	96.8	0.1
Cancer (haematological)	no	1934100	95.0	2035922	94.9	0.1
	yes	29386	96.7	30394	96.6	0.1

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those known to live in an elderly care home, based upon clinical coding.

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Cumulative vaccination figures among care home population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	80022	95.6	83727	95.4	0.2
Sex	F	56966	95.9	59402	95.7	0.2
	M	23051	94.8	24325	94.5	0.3
Age band	65-69	4347	91.9	4732	91.4	0.5
	70-74	6706	93.4	7182	93.1	0.3
	75-79	9289	94.9	9793	94.6	0.3
	80-84	13944	95.8	14553	95.6	0.2
	85-89	18732	96.3	19453	96.1	0.2
	90+	26999	96.4	28021	96.2	0.2
Ethnicity (broad categories)	Black	392	86.2	455	86.2	0.0
	Mixed	210	90.9	231	90.9	0.0
	Other	343	92.5	371	92.5	0.0
	South Asian	623	92.7	672	92.7	0.0
	Unknown	2030	93.9	2163	93.5	0.4
	White	76419	95.7	79835	95.5	0.2
Dementia	no	36197	94.4	38332	94.2	0.2
	yes	43827	96.5	45395	96.4	0.1

Footnotes:

- Patient counts rounded to the nearest 7

- Population includes those known to live in an elderly care home, based upon clinical coding.

Cumulative vaccination figures among shielding (aged 16-69) population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	711770	86.4	823949	86.0	0.4
newly shielded since feb 15	no	453194	90.2	502355	90.0	0.2
	yes	258573	80.4	321594	79.7	0.7
Sex	F	395619	85.5	462448	85.1	0.4
	M	316141	87.5	361494	87.1	0.4
Age band	16-29	51429	74.7	68831	74.1	0.6
	30-39	97153	76.9	126392	76.3	0.6
	40-49	139454	84.4	165151	83.9	0.5
	50-59	203455	89.6	227052	89.3	0.3
	60-69	220269	93.1	236509	92.9	0.2
Ethnicity (broad categories)	Black	29533	66.4	44485	65.5	0.9
	Mixed	10388	72.9	14252	72.2	0.7
	Other	13237	73.0	18123	72.4	0.6
	South Asian	85456	78.9	108255	78.1	0.8
	Unknown	27349	84.4	32389	84.0	0.4
	White	545797	90.0	606431	89.7	0.3
Index of Multiple Deprivation (quintiles)	1 Most deprived	198065	81.3	243761	80.7	0.6
	2	158872	85.2	186487	84.8	0.4
	3	138082	88.4	156240	88.1	0.3
	4	111195	90.8	122486	90.5	0.3
	5 Least deprived	88480	93.0	95158	92.8	0.2
	Unknown	17073	86.2	19796	85.7	0.5
Learning disability	no	687701	86.3	797146	85.9	0.4
	yes	24059	89.8	26796	89.4	0.4

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those over 65 known to live in an elderly care home, based upon clinical coding.

Cumulative vaccination figures among 65-69 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	985358	91.9	1071630	91.8	0.1
Sex	F	506926	92.6	547519	92.4	0.2
	M	478429	91.3	524104	91.1	0.2
Ethnicity (broad categories)	Black	7301	67.7	10787	67.2	0.5
	Mixed	3787	77.0	4921	76.4	0.6
	Other	8771	73.9	11872	73.6	0.3
	South Asian	36421	84.0	43351	83.6	0.4
	Unknown	84644	83.6	101290	83.4	0.2
	White	844431	93.9	899402	93.7	0.2
ethnicity 16 groups	African	2779	65.0	4277	64.5	0.5
	Bangladeshi or British Bangladeshi	1477	85.8	1722	85.4	0.4
	Caribbean	3066	68.3	4487	67.7	0.6
	Chinese	2835	74.9	3787	74.5	0.4
	Other	5936	73.4	8085	73.1	0.3
	Other Asian	6692	82.7	8092	82.4	0.3
	British or Mixed British	799540	95.0	841981	94.8	0.2
	Indian or British Indian	20062	88.1	22778	87.8	0.3
	Irish	5859	89.6	6538	89.4	0.2
	Other Black	1456	72.2	2016	71.9	0.3
	Other White	39004	76.7	50855	76.5	0.2
	Other mixed	1463	77.1	1897	76.8	0.3
	Pakistani or British Pakistani	8190	76.1	10759	75.3	0.8
	Unknown	84679	83.6	101318	83.4	0.2
	White + Asian	868	85.5	1015	84.8	0.7
	White + Black African	630	71.4	882	69.8	1.6
	White + Black Caribbean	826	73.8	1120	73.8	0.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	133119	86.9	153111	86.6	0.3
	2	169953	90.2	188461	90.0	0.2
	3	218792	92.4	236838	92.2	0.2
	4	223797	93.5	239421	93.4	0.1
	5 Least deprived	219807	94.7	232064	94.6	0.1
	Unknown	19887	91.5	21728	91.3	0.2
BMI	30+	252931	94.5	267708	94.3	0.2
	under 30	732417	91.1	803915	90.9	0.2
Chronic cardiac disease	no	881125	91.7	960505	91.6	0.1
	yes	104230	93.8	111111	93.6	0.2
Current COPD	no	947338	91.9	1030974	91.7	0.2
	yes	38017	93.5	40649	93.4	0.1
DMARDs	no	966497	91.9	1051827	91.7	0.2
	yes	18858	95.3	19796	95.2	0.1
Dementia	no	980147	91.9	1065981	91.8	0.1

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
	yes	5208	92.3	5642	91.9	0.4
Psychosis, schizophrenia, or bipolar	no	975408	92.0	1059975	91.9	0.1
	yes	9940	85.3	11648	85.0	0.3
Learning disability	no	983087	92.0	1069096	91.8	0.2
	yes	2261	89.5	2527	88.9	0.6
SSRI (last 12 months)	no	898989	91.7	980693	91.5	0.2
	yes	86366	95.0	90930	94.8	0.2
Chemo or radiotherapy	no	966602	91.9	1051918	91.7	0.2
	yes	18753	95.2	19698	95.1	0.1
Cancer (lung)	no	983710	91.9	1069838	91.8	0.1
	yes	1645	92.2	1785	92.2	0.0
Cancer (excluding lung/haem)	no	902132	91.7	984011	91.5	0.2
	yes	83223	95.0	87612	94.9	0.1
Cancer (haematological)	no	981918	91.9	1067955	91.8	0.1
	yes	3437	93.9	3661	93.7	0.2

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those known to live in an elderly care home, based upon clinical coding.

- Population excludes those who are currently shielding.

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Cumulative vaccination figures among LD (aged 16-64) population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	64507	79.5	81102	78.5	1.0
Sex	F	25172	82.2	30632	81.2	1.0
	M	39333	77.9	50470	76.8	1.1
Age band	16-29	24164	72.4	33355	71.1	1.3
	30-34	8274	78.5	10535	77.5	1.0
	35-39	6258	82.2	7609	81.2	1.0
	40-44	5082	85.0	5978	84.3	0.7
	45-49	5208	85.6	6083	84.9	0.7
	50-54	5642	87.7	6433	86.8	0.9
	55-59	5642	88.4	6384	87.6	0.8
	60-64	4235	89.6	4725	88.9	0.7
Ethnicity (broad categories)	Black	707	53.2	1330	51.6	1.6
	Mixed	651	60.4	1078	59.7	0.7
	Other	434	64.6	672	63.5	1.1
	South Asian	2919	63.0	4634	61.5	1.5
	Unknown	5054	77.1	6559	75.9	1.2
	White	54740	81.9	66836	80.9	1.0

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those who are currently shielding.

Cumulative vaccination figures among 60-64 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1141289	89.4	1276562	89.0	0.4
Sex	F	576009	90.7	634725	90.3	0.4
	M	565271	88.1	641823	87.6	0.5
Ethnicity (broad categories)	Black	12474	63.9	19530	62.9	1.0
	Mixed	5901	74.3	7938	73.8	0.5
	Other	11417	70.6	16177	69.9	0.7
	South Asian	42714	81.6	52346	80.8	0.8
	Unknown	113974	80.6	141351	80.1	0.5
	White	954793	91.9	1039206	91.5	0.4
ethnicity 16 groups	African	4935	64.1	7700	62.9	1.2
	Bangladeshi or British Bangladeshi	1904	84.7	2247	83.8	0.9
	Caribbean	4900	62.4	7847	61.6	0.8
	Chinese	3535	74.3	4760	73.5	0.8
	Other	7875	69.0	11410	68.3	0.7
	Other Asian	8841	79.6	11102	78.9	0.7
	British or Mixed British	899486	93.5	962290	93.1	0.4
	Indian or British Indian	22512	85.8	26229	85.3	0.5
	Irish	5628	86.0	6545	85.6	0.4
	Other Black	2646	66.3	3990	65.6	0.7
	Other White	49672	70.6	70371	70.1	0.5
	Other mixed	2233	73.7	3031	73.2	0.5
	Pakistani or British Pakistani	9464	74.1	12768	72.7	1.4
	Unknown	113981	80.6	141358	80.1	0.5
	White + Asian	1232	84.2	1463	83.3	0.9
	White + Black African	1057	71.2	1484	70.3	0.9
	White + Black Caribbean	1379	70.4	1960	70.0	0.4
Index of Multiple Deprivation (quintiles)	1 Most deprived	164668	83.0	198303	82.3	0.7
	2	201579	87.1	231392	86.6	0.5
	3	249634	90.1	277137	89.7	0.4
	4	254926	91.5	278649	91.2	0.3
	5 Least deprived	247429	93.3	265188	93.0	0.3
	Unknown	23044	89.0	25886	88.2	0.8
BMI	30+	287938	93.0	309708	92.6	0.4
	under 30	853342	88.3	966840	87.8	0.5
Chronic cardiac disease	no	1055334	89.2	1183252	88.7	0.5
	yes	85953	92.1	93296	91.9	0.2
Current COPD	no	1109724	89.3	1242045	88.9	0.4
	yes	31556	91.5	34503	91.2	0.3
DMARDs	no	1121827	89.3	1255821	88.9	0.4
	yes	19453	93.9	20727	93.6	0.3
Dementia	no	1137941	89.4	1272873	89.0	0.4

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
	yes	3339	90.9	3675	90.3	0.6
Psychosis, schizophrenia, or bipolar	no	1129149	89.5	1261848	89.0	0.5
	yes	12131	82.5	14700	82.0	0.5
SSRI (last 12 months)	no	1021727	89.0	1148315	88.5	0.5
	yes	119553	93.2	128240	92.8	0.4
Chemo or radiotherapy	no	1124333	89.3	1258544	88.9	0.4
	yes	16954	94.2	18004	93.8	0.4
Cancer (lung)	no	1140237	89.4	1275379	89.0	0.4
	yes	1043	88.7	1176	88.1	0.6
Cancer (excluding lung/haem)	no	1073947	89.2	1204574	88.7	0.5
	yes	67333	93.6	71974	93.2	0.4
Cancer (haematological)	no	1138193	89.4	1273223	89.0	0.4
	yes	3087	92.8	3325	92.8	0.0

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those who are currently shielding.

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Cumulative vaccination figures among 55-59 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1304372	86.5	1508269	85.0	1.5
Sex	F	656453	88.6	741006	87.3	1.3
	M	647913	84.4	767256	82.8	1.6
Ethnicity (broad categories)	Black	18753	60.7	30877	59.1	1.6
	Mixed	8652	70.7	12236	69.5	1.2
	Other	14882	67.6	22022	65.8	1.8
	South Asian	46739	78.2	59759	76.7	1.5
	Unknown	132216	77.1	171458	75.4	1.7
	White	1083124	89.4	1211903	87.9	1.5
ethnicity 16 groups	African	7917	62.2	12719	60.4	1.8
	Bangladeshi or British Bangladeshi	2436	81.9	2975	80.7	1.2
	Caribbean	6384	58.2	10969	56.9	1.3
	Chinese	4438	72.4	6132	70.2	2.2
	Other	10437	65.7	15890	64.1	1.6
	Other Asian	11445	77.0	14854	75.4	1.6
	British or Mixed British	1015994	91.3	1113350	89.8	1.5
	Indian or British Indian	23450	83.0	28252	81.9	1.1
	Irish	6349	83.0	7651	81.9	1.1
	Other Black	4459	62.0	7196	60.2	1.8
	Other White	60802	66.9	90923	65.7	1.2
	Other mixed	3052	70.4	4333	69.3	1.1
	Pakistani or British Pakistani	9408	68.8	13678	66.6	2.2
	Unknown	132195	77.1	171430	75.4	1.7
	White + Asian	1778	78.6	2261	77.7	0.9
	White + Black African	1575	67.8	2324	66.0	1.8
	White + Black Caribbean	2247	67.7	3318	66.5	1.2
Index of Multiple Deprivation (quintiles)	1 Most deprived	193403	78.8	245343	76.9	1.9
	2	230419	83.6	275730	81.9	1.7
	3	281967	87.3	323015	85.9	1.4
	4	289191	89.2	324184	87.9	1.3
	5 Least deprived	283353	91.4	310065	90.1	1.3
	Unknown	26026	87.0	29918	85.4	1.6
BMI	30+	317114	91.0	348502	89.8	1.2
	under 30	987252	85.1	1159753	83.6	1.5
Chronic cardiac disease	no	1239777	86.3	1436358	84.8	1.5
	yes	64589	89.8	71904	89.1	0.7
Current COPD	no	1279929	86.4	1480619	84.9	1.5
	yes	24437	88.4	27636	87.8	0.6
DMARDs	no	1284997	86.4	1487220	84.9	1.5
	yes	19362	92.0	21042	91.2	0.8
Psychosis,	no	1289771	86.6	1489509	85.1	1.5

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
schizophrenia, or bipolar	yes	14595	77.8	18753	76.8	1.0
SSRI (last 12 months)	no	1152711	85.9	1341998	84.4	1.5
	yes	151655	91.2	166264	90.0	1.2

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those who are currently shielding.

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Cumulative vaccination figures among 50-54 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1287418	82.6	1558144	81.0	1.6
Sex	F	652631	85.9	759808	84.5	1.4
	M	634781	79.5	798322	77.7	1.8
Ethnicity (broad categories)	Black	21329	57.0	37436	54.9	2.1
	Mixed	10164	66.8	15218	65.2	1.6
	Other	17920	63.3	28294	61.5	1.8
	South Asian	62286	73.1	85176	71.0	2.1
	Unknown	140679	74.1	189952	72.3	1.8
	White	1035027	86.1	1202054	84.6	1.5
ethnicity 16 groups	African	11557	58.5	19754	56.2	2.3
	Bangladeshi or British Bangladeshi	3878	79.1	4900	77.1	2.0
	Caribbean	4921	52.4	9387	50.9	1.5
	Chinese	4746	70.0	6783	67.6	2.4
	Other	13181	61.3	21504	59.7	1.6
	Other Asian	15190	73.2	20748	71.4	1.8
	British or Mixed British	958482	88.7	1080275	87.2	1.5
	Indian or British Indian	27692	78.4	35336	76.6	1.8
	Irish	6160	79.6	7742	78.4	1.2
	Other Black	4844	58.4	8295	56.4	2.0
	Other White	70378	61.7	114044	60.4	1.3
	Other mixed	3633	65.6	5537	64.1	1.5
	Pakistani or British Pakistani	15526	64.2	24185	61.1	3.1
	Unknown	140679	74.1	189959	72.2	1.9
	White + Asian	2261	76.7	2947	75.1	1.6
	White + Black African	2065	62.5	3304	60.8	1.7
	White + Black Caribbean	2212	64.2	3444	62.8	1.4
Index of Multiple Deprivation (quintiles)	1 Most deprived	198821	73.0	272230	71.0	2.0
	2	230755	79.1	291816	77.3	1.8
	3	273371	83.7	326585	82.3	1.4
	4	280322	86.4	324597	85.0	1.4
	5 Least deprived	278215	89.2	311731	87.8	1.4
	Unknown	25921	83.1	31178	81.5	1.6
BMI	30+	298690	88.4	337855	87.1	1.3
	under 30	988722	81.0	1220282	79.4	1.6
Chronic cardiac disease	no	1246581	82.5	1510985	80.9	1.6
	yes	40831	86.6	47145	85.7	0.9
Current COPD	no	1271557	82.6	1539482	81.0	1.6
	yes	15855	85.0	18655	84.1	0.9
DMARDs	no	1270717	82.5	1539636	80.9	1.6
	yes	16695	90.3	18494	89.4	0.9
Psychosis,	no	1272761	82.7	1538425	81.1	1.6

Category	Group	Vaccinated at 07 Apr (n)	Vaccinated at 07 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
schizophrenia, or bipolar	yes	14651	74.3	19712	73.2	1.1
SSRI (last 12 months)	no	1122695	81.7	1373365	80.1	1.6
	yes	164710	89.1	184765	87.7	1.4

Footnotes:

- Patient counts rounded to the nearest 7

- Population excludes those who are currently shielding.

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Cumulative vaccination figures among 16-49, not in other eligible groups shown population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 07 Apr (n)	Previous week's vaccination figure (n)	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
overall	overall	2394367	2283336.0	111031.0	4.9
Sex	F	1461145	1405159.0	55986.0	4.0
	M	933142	878101.0	55041.0	6.3
Age band	16-29	572502	549612.0	22890.0	4.2
	30-39	712726	684397.0	28329.0	4.1
	40-49	1109059	1049251.0	59808.0	5.7
Ethnicity (broad categories)	Black	50526	48419.0	2107.0	4.4
	Mixed	33145	31752.0	1393.0	4.4
	Other	47565	45094.0	2471.0	5.5
	South Asian	203252	193151.0	10101.0	5.2
	Unknown	209853	197554.0	12299.0	6.2
	White	1849953	1767290.0	82663.0	4.7
ethnicity 16 groups	African	33936	32487.0	1449.0	4.5
	Bangladeshi or British Bangladeshi	16205	15498.0	707.0	4.6
	Caribbean	6566	6293.0	273.0	4.3
	Chinese	9674	9177.0	497.0	5.4
	Other	37877	35910.0	1967.0	5.5
	Other Asian	45290	43414.0	1876.0	4.3
	British or Mixed British	1685257	1610490.0	74767.0	4.6
	Indian or British Indian	88508	84329.0	4179.0	5.0
	Irish	10381	9975.0	406.0	4.1
	Other Black	10017	9625.0	392.0	4.1
	Other White	154301	146818.0	7483.0	5.1
	Other mixed	11914	11438.0	476.0	4.2
	Pakistani or British Pakistani	53249	49910.0	3339.0	6.7
	Unknown	209853	197547.0	12306.0	6.2
	White + Asian	7889	7539.0	350.0	4.6
	White + Black African	6454	6188.0	266.0	4.3
	White + Black Caribbean	6923	6622.0	301.0	4.5
Index of Multiple Deprivation (quintiles)	1 Most deprived	461692	440048.0	21644.0	4.9
	2	472332	451024.0	21308.0	4.7
	3	490560	469413.0	21147.0	4.5
	4	467047	445319.0	21728.0	4.9
	5 Least deprived	430647	408919.0	21728.0	5.3
	Unknown	72009	68537.0	3472.0	5.1
BMI	30+	551978	532462.0	19516.0	3.7
	under 30	1842309	1750791.0	91518.0	5.2
Chronic cardiac disease	no	2337888	2228079.0	109809.0	4.9
	yes	56399	55181.0	1218.0	2.2
Current COPD	no	2380630	2269897.0	110733.0	4.9
	yes	13657	13363.0	294.0	2.2

Category	Group	Vaccinated at 07 Apr (n)	Previous week's vaccination figure (n)	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
DMARDs	**no**	2359623	2249380.0	110243.0	4.9
	yes	34664	33880.0	784.0	2.3
SSRI (last 12 months)	**no**	2027914	1930334.0	97580.0	5.1
	yes	366373	352926.0	13447.0	3.8

Footnotes:

- Patient counts rounded to the nearest 7

- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, LD, or Dementia.

Appendix

Ethnicity coverage for each eligible group

- Ethnicity information is primarily retrieved from GP records.
- Where missing in GP records, as of March 8 2021, it is then retrieved from hospital records if present.
  - For patients with multiple different ethnicities recorded, we use the most common non-missing ethnicity recorded in inpatients, outpatients or A&E over the last ~5 years (or latest if tied).
- Patient counts are rounded to the nearest 7

group	total population (n)	ethnicity coverage (%)
80+	1124221	94.4
70-79	2066323	93.0
care home	83727	97.4
shielding (aged 16-69)	823949	96.1
65-69	1071630	90.5
LD (aged 16-64)	81102	91.9
60-64	1276562	88.9
55-59	1508269	88.6
50-54	1558144	87.8