

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 \(https://www.medrxiv.org/content/10.1101/2021.01.25.21250356v2\)](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 \(https://github.com/opensafely/nhs-covid-vaccination-uptake\)](https://github.com/opensafely/nhs-covid-vaccination-uptake).

Report last updated 06 Apr 2021

Vaccinations included up to 01 Apr 2021 inclusive ¶

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- **Trends in vaccination coverage** according to demographic/clinical features, for:
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 - [65-69 population](#)
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- **[Current vaccination coverage of each eligible population group, according to demographic/clinical features](#)**
 - Includes each of the groups above, plus care home (65+) and LD (aged 16-64) populations.
- Appendix: [Proportion of each population group for whom ethnicity is known](#)

Overview of Vaccination Figures to date

As at 01 Apr 2021:

Total population receiving first dose in TPP: 10,821,531; second dose: 1,366,631

80+ population receiving first dose: 1,075,480 (**95.5%** of 1,125,803); second dose: 522,760 (**46.4%** of 1,125,803)

70-79 population receiving first dose: 1,961,764 (**94.9%** of 2,067,072); second dose: 188,818 (**9.1%** of 2,067,072)

care home population receiving first dose: 79,702 (**95.3%** of 83,615); second dose: 40,579 (**48.5%** of 83,615)

shielding (aged 16-69) population receiving first dose: 708,561 (**85.9%** of 824,432); second dose: 54,005 (**6.6%** of 824,432)

65-69 population receiving first dose: 983,248 (**91.8%** of 1,071,581); second dose: 33,243 (**3.1%** of 1,071,581)

LD (aged 16-64) population receiving first dose: 63,525 (**78.4%** of 81,004); second dose: 2,471 (**3.1%** of 81,004)

60-64 population receiving first dose: 1,135,078 (**88.9%** of 1,276,625); second dose: 60,095 (**4.7%** of 1,276,625)

55-59 population receiving first dose: 1,280,132 (**84.9%** of 1,508,087); second dose: 79,933 (**5.3%** of 1,508,087)

under 55s, not in other eligible groups shown population receiving first dose: 3,534,034; second dose: 384,720

Vaccine types and second doses:

Second doses (% of all vaccinated): 1,366,631 (12.6%)

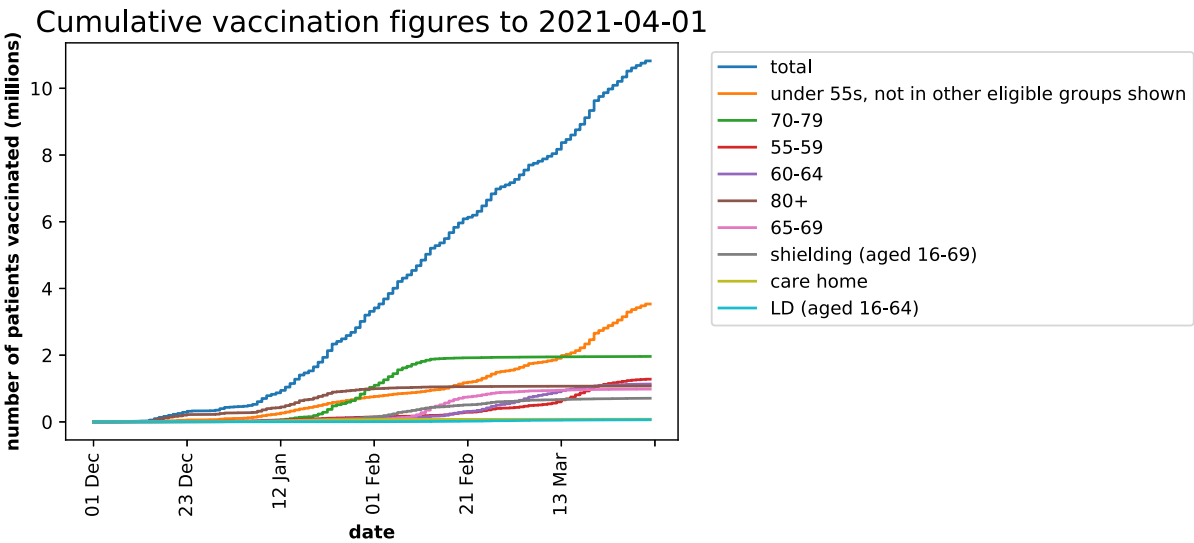
Oxford-AZ vaccines (% of all first doses): 7,037,884 (65.0%)

NB Patient counts are rounded to nearest 7

Group definitions

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



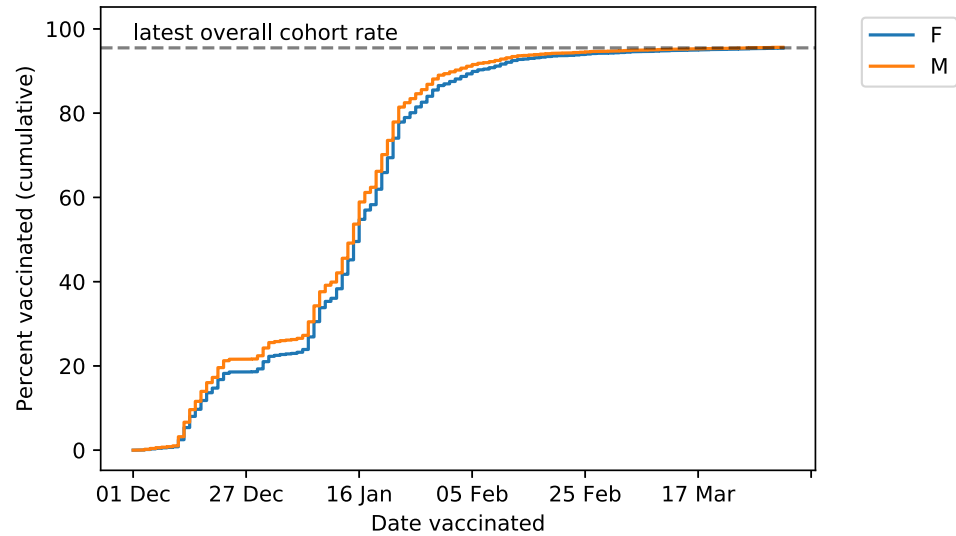
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

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

80+ population

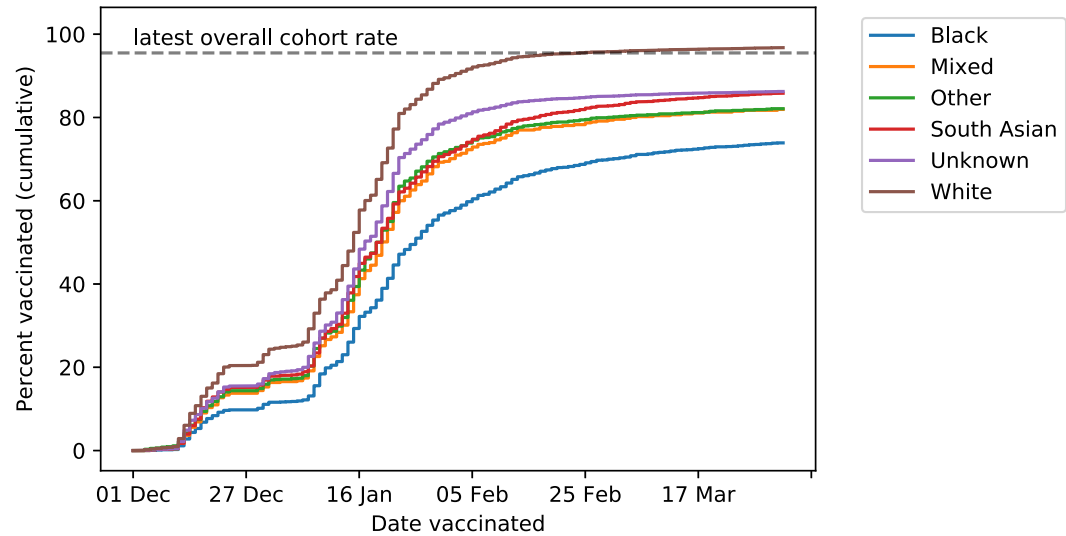
COVID vaccinations among 80+ population

by Sex



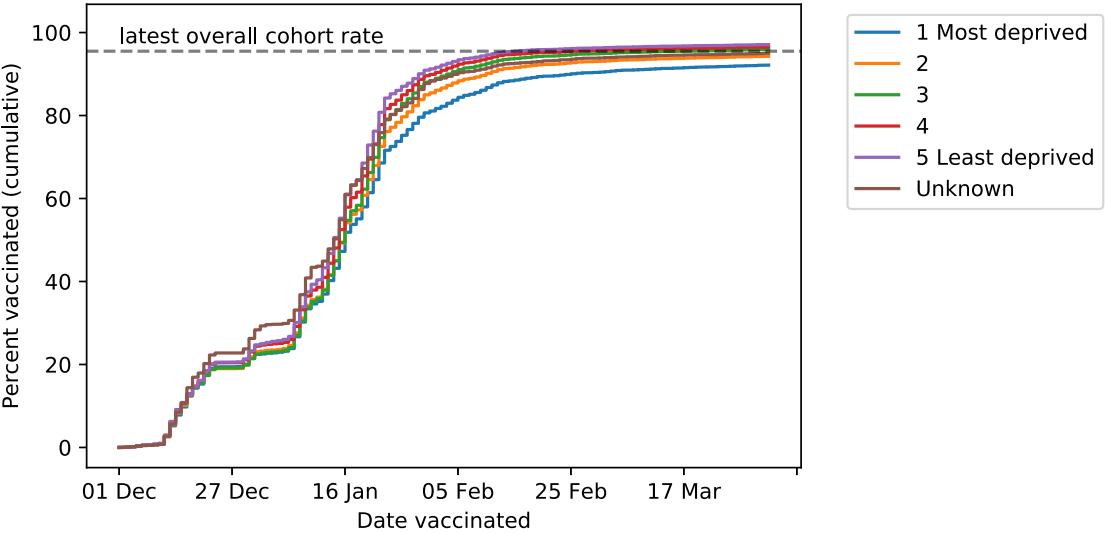
COVID vaccinations among 80+ population

by Ethnicity (broad categories)



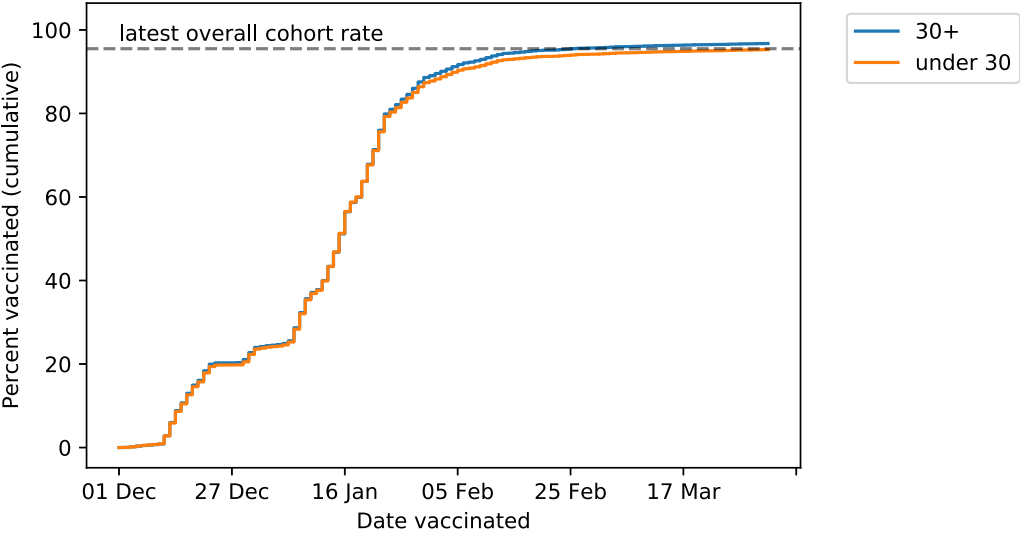
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)



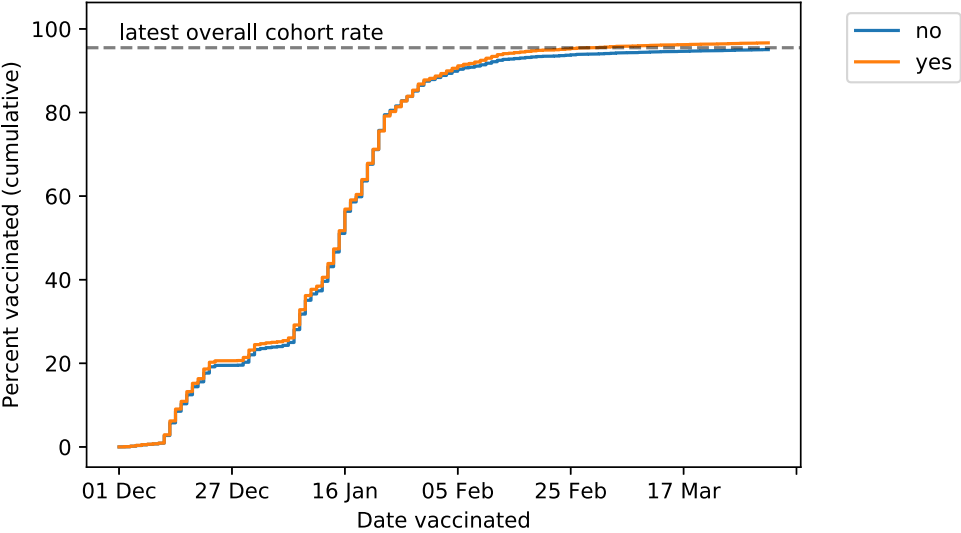
COVID vaccinations among 80+ population

by BMI



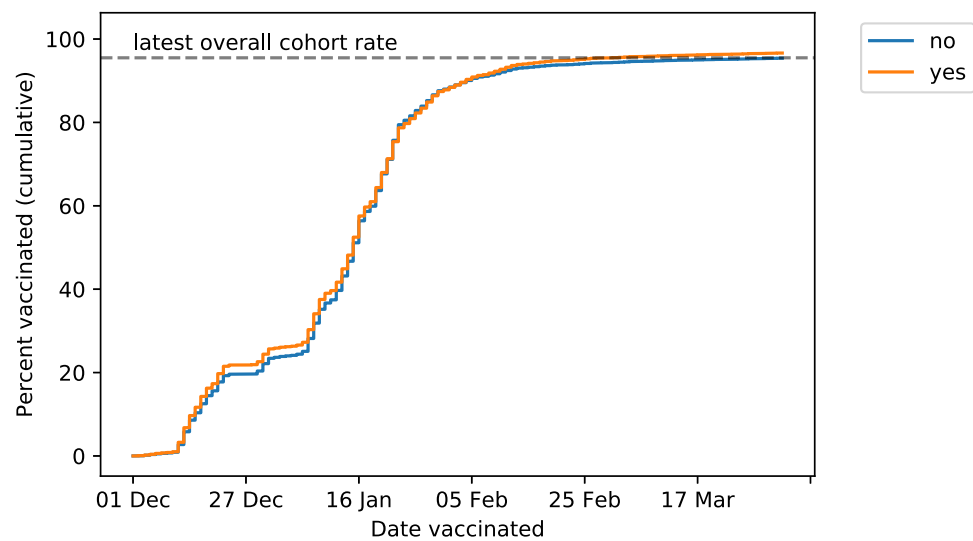
COVID vaccinations among 80+ population

by Chronic cardiac disease



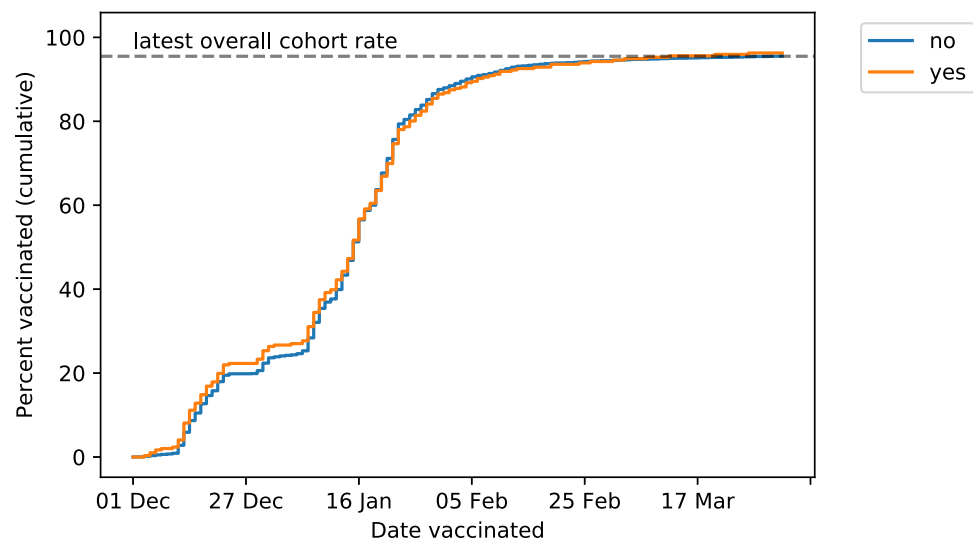
COVID vaccinations among 80+ population

by Current COPD



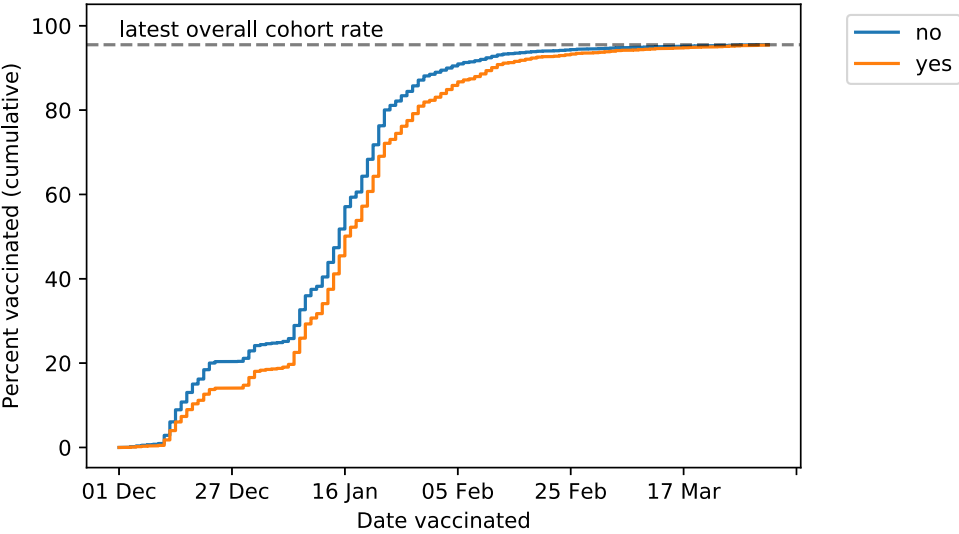
COVID vaccinations among 80+ population

by Dialysis



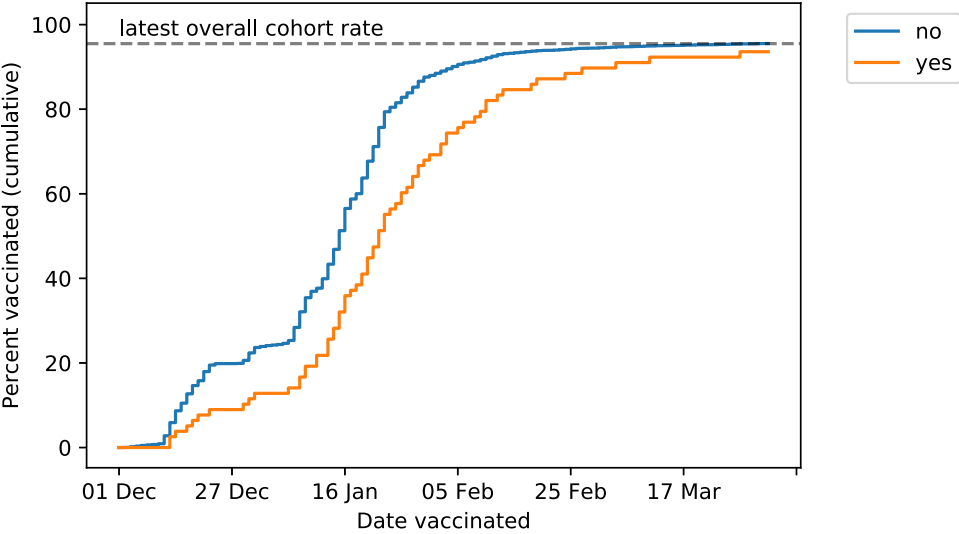
COVID vaccinations among 80+ population

by Dementia



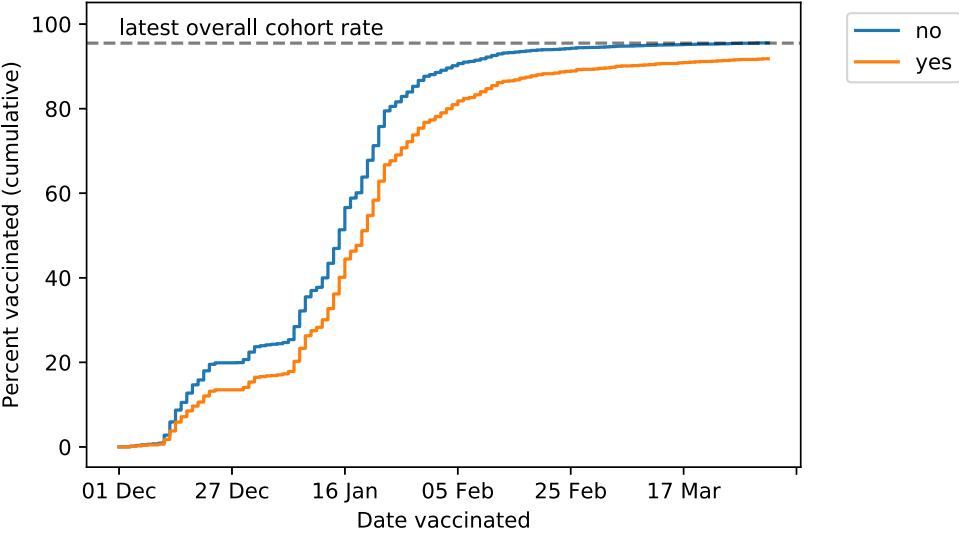
COVID vaccinations among 80+ population

by Learning disability



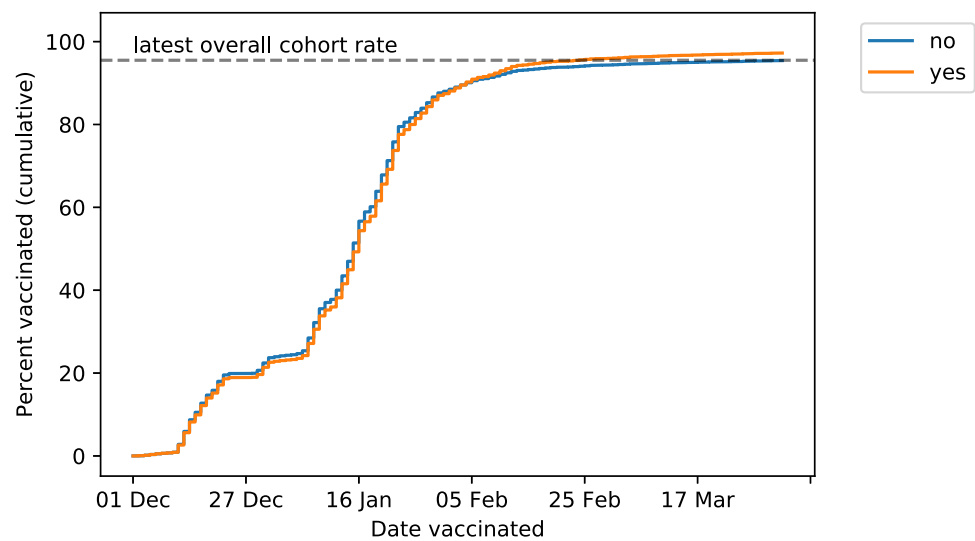
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar



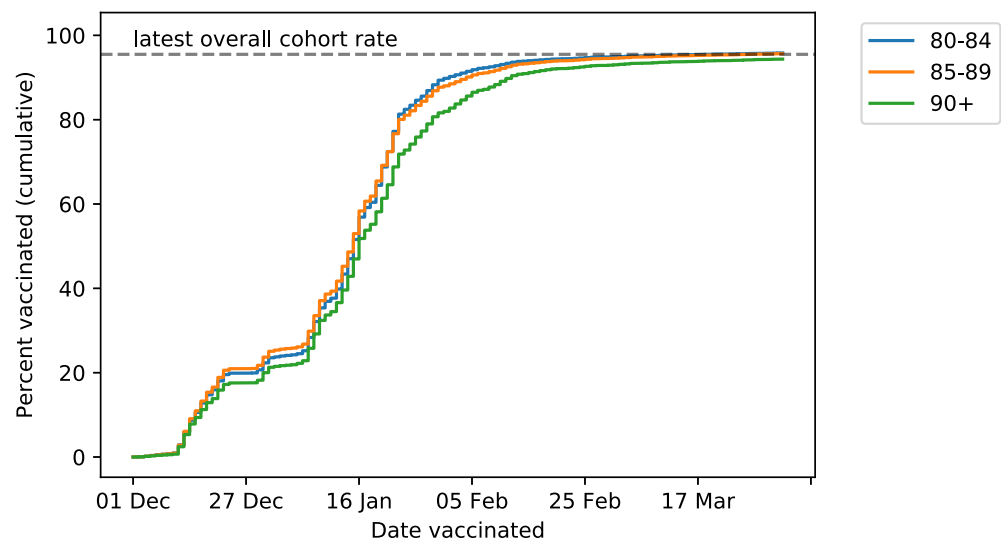
COVID vaccinations among 80+ population

by SSRI (last 12 months)



COVID vaccinations among 80+ population

by Age band



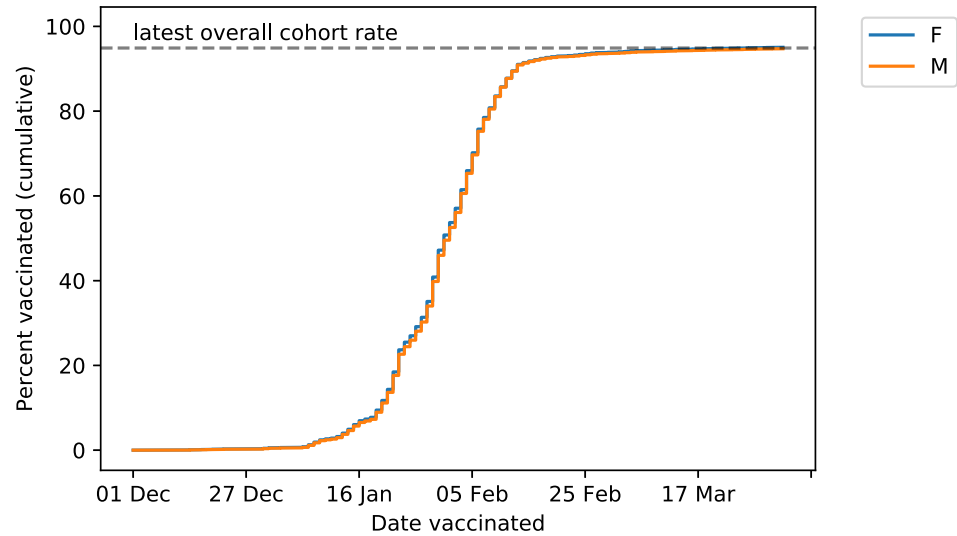
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

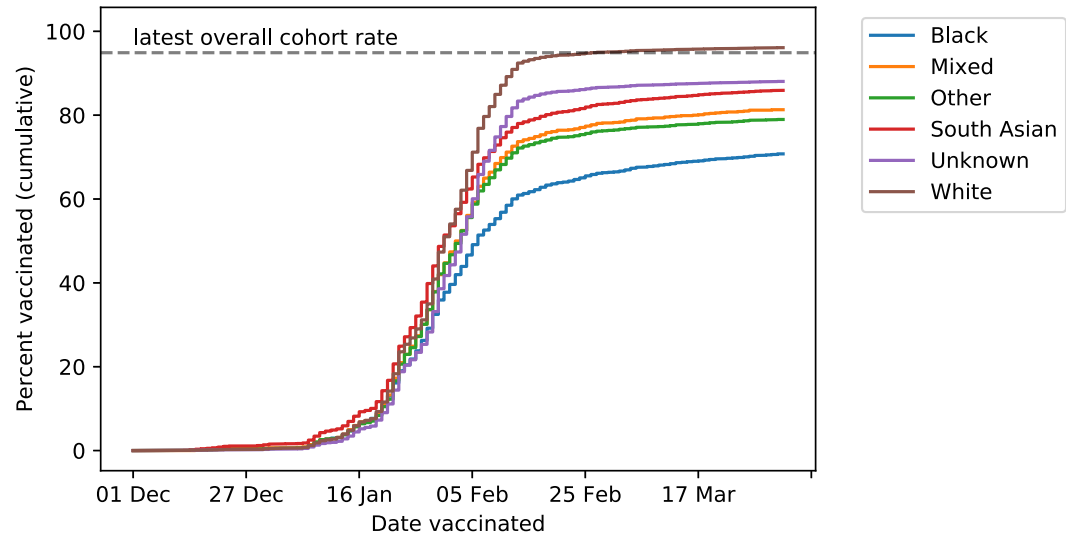
COVID vaccinations among 70-79 population

by Sex



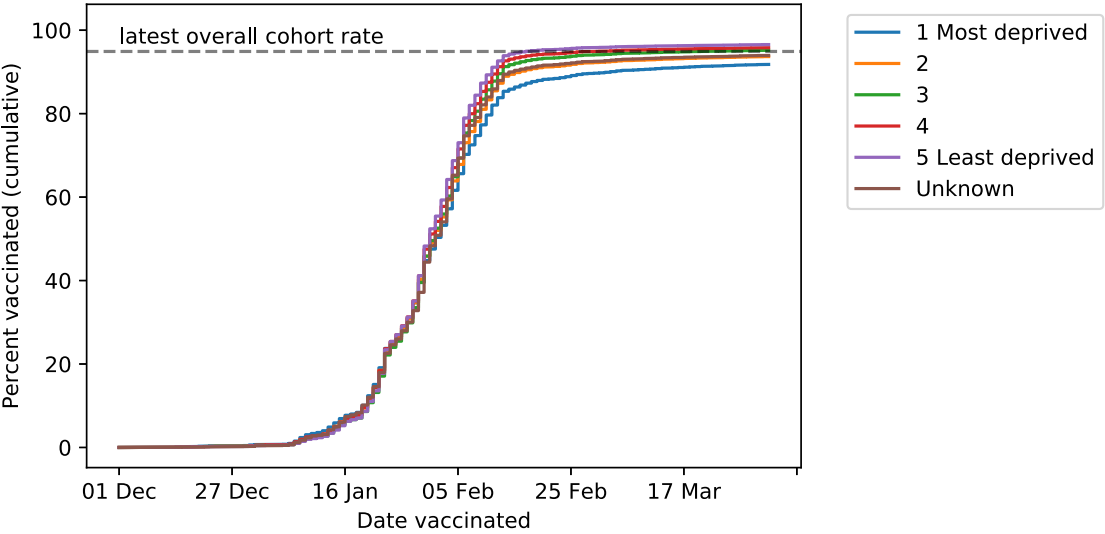
COVID vaccinations among 70-79 population

by Ethnicity (broad categories)



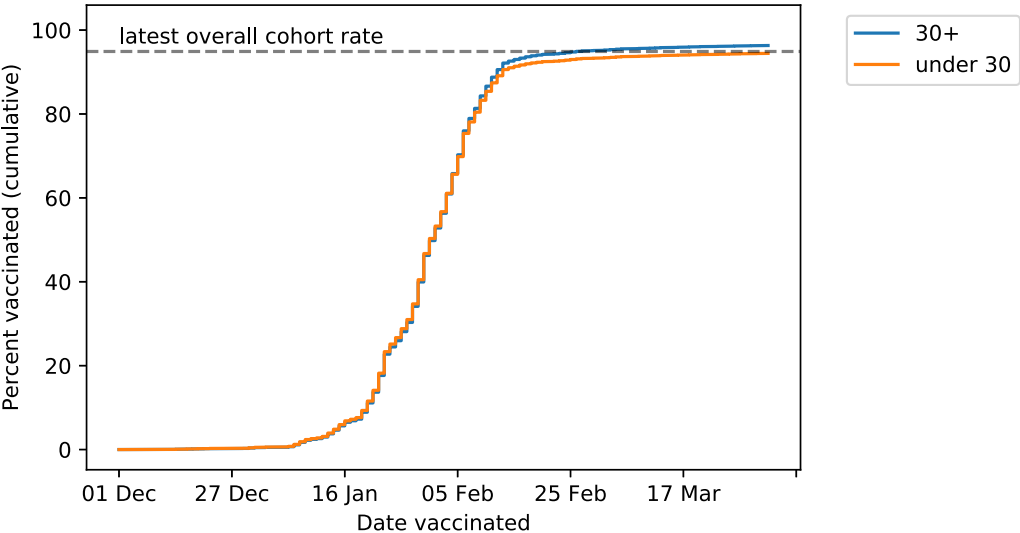
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)



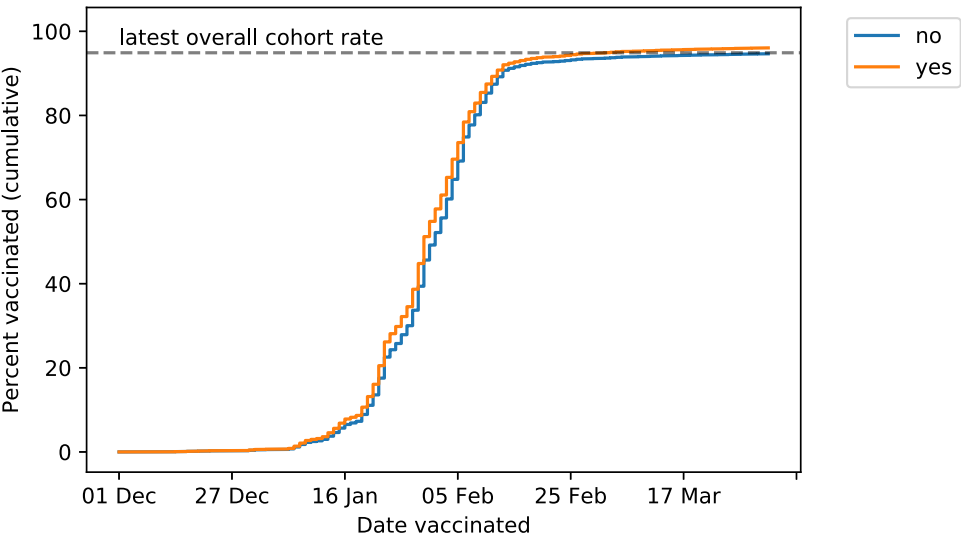
COVID vaccinations among 70-79 population

by BMI



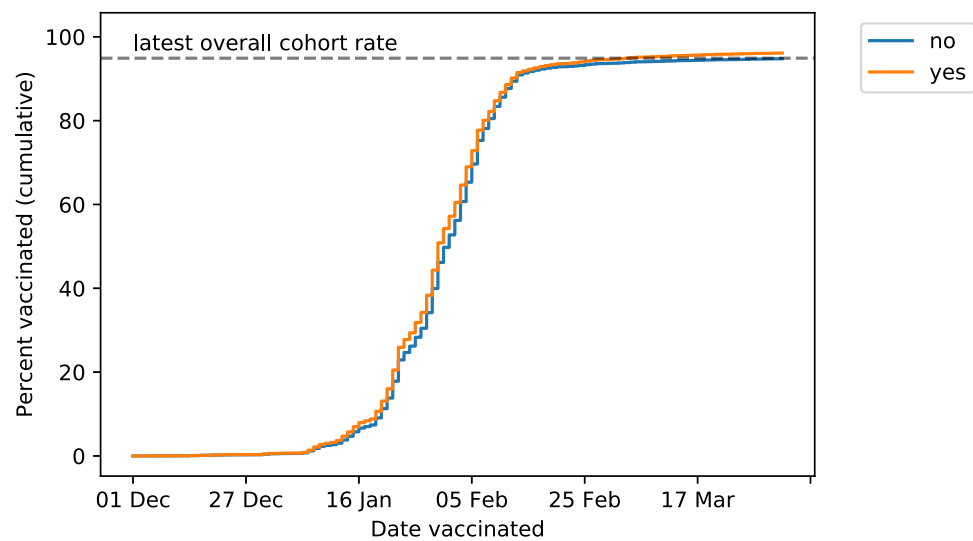
COVID vaccinations among 70-79 population

by Chronic cardiac disease



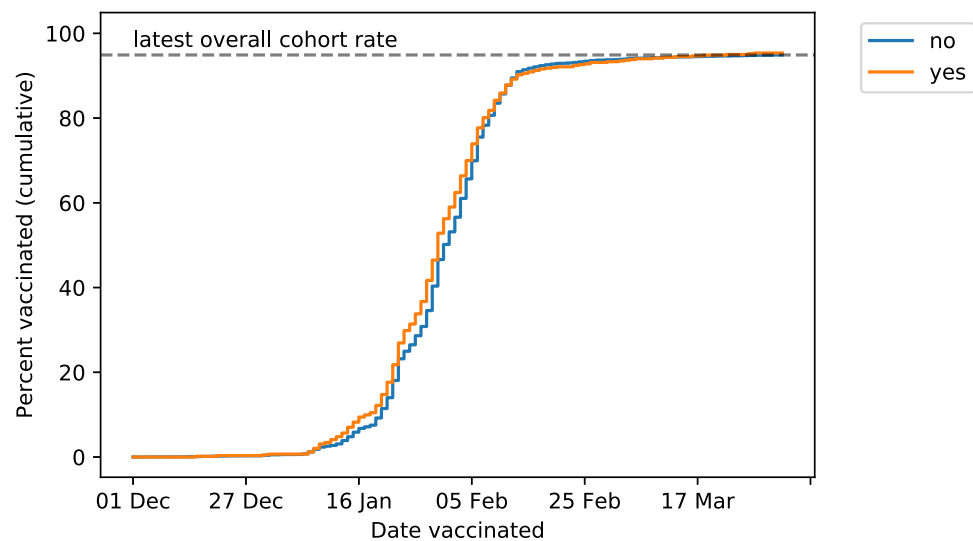
COVID vaccinations among 70-79 population

by Current COPD



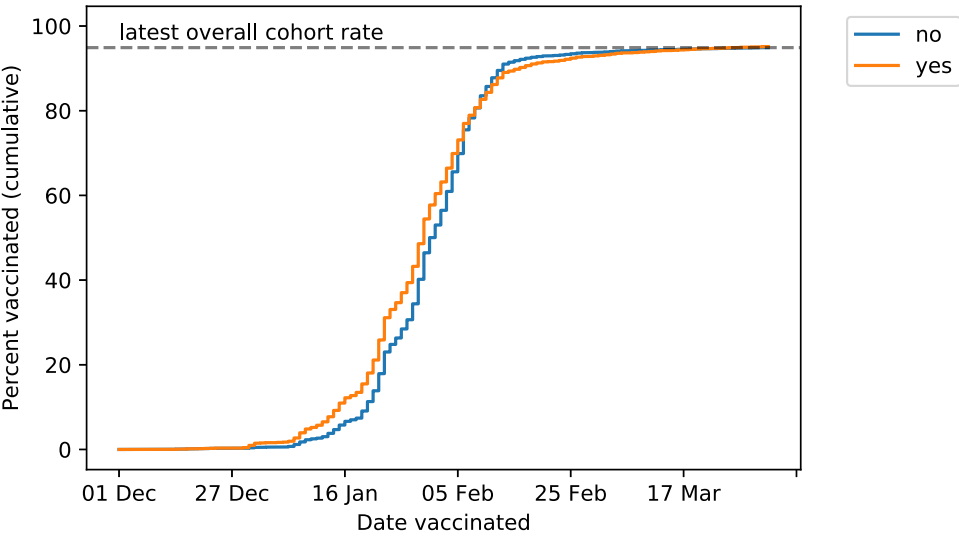
COVID vaccinations among 70-79 population

by Dialysis



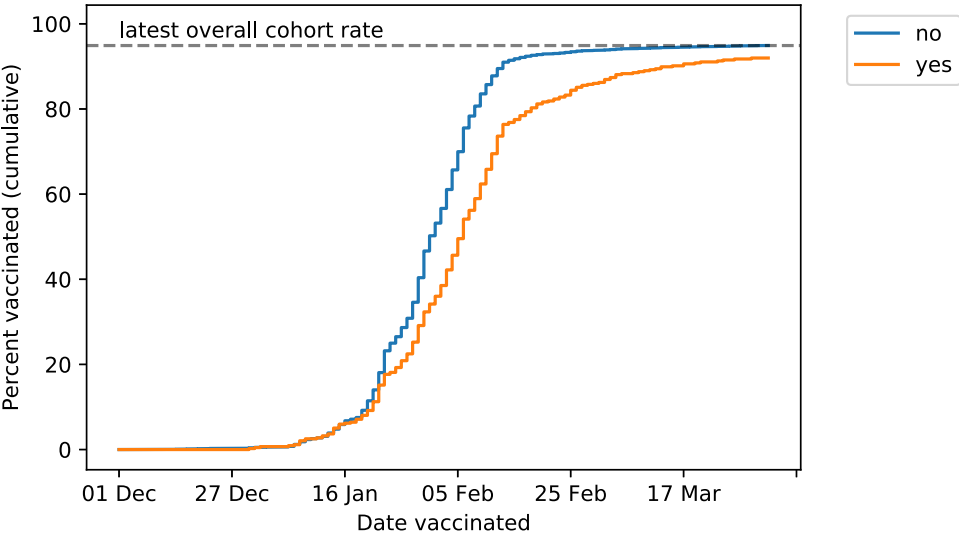
COVID vaccinations among 70-79 population

by Dementia



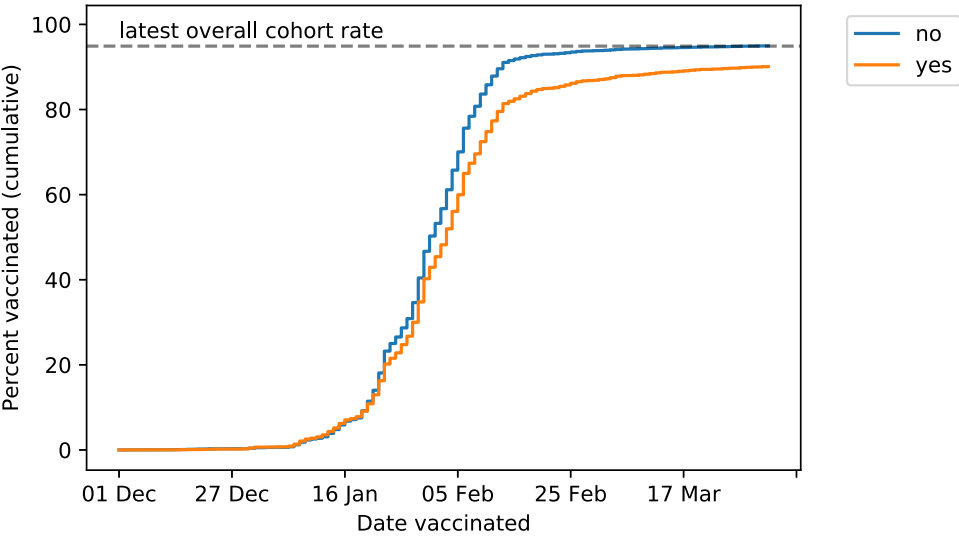
COVID vaccinations among 70-79 population

by Learning disability



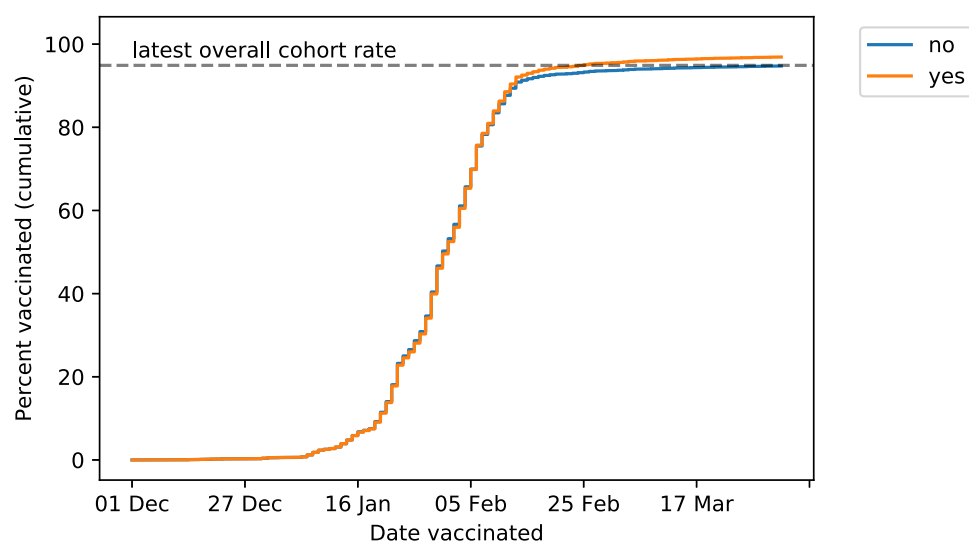
COVID vaccinations among 70-79 population

by Psychosis, schizophrenia, or bipolar



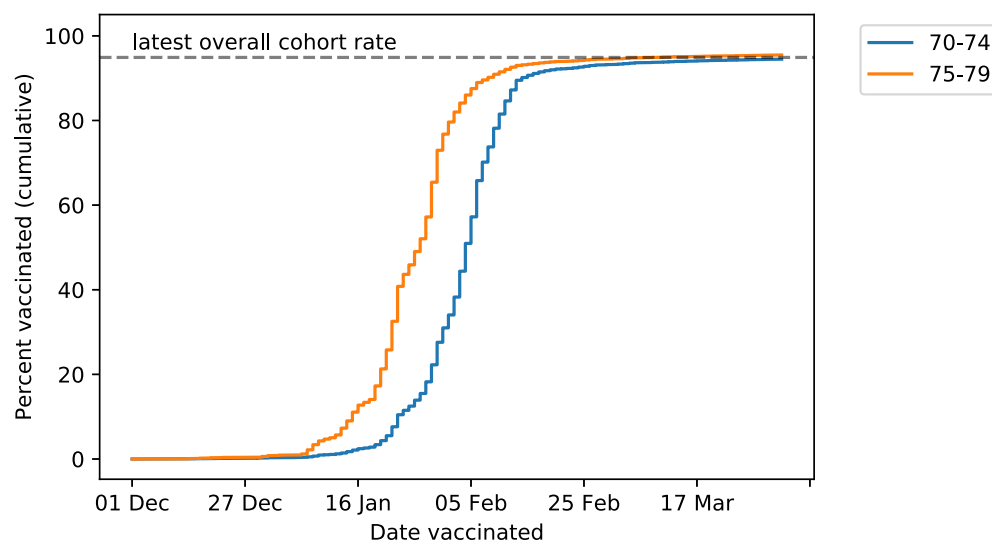
COVID vaccinations among 70-79 population

by SSRI (last 12 months)



COVID vaccinations among 70-79 population

by Age band



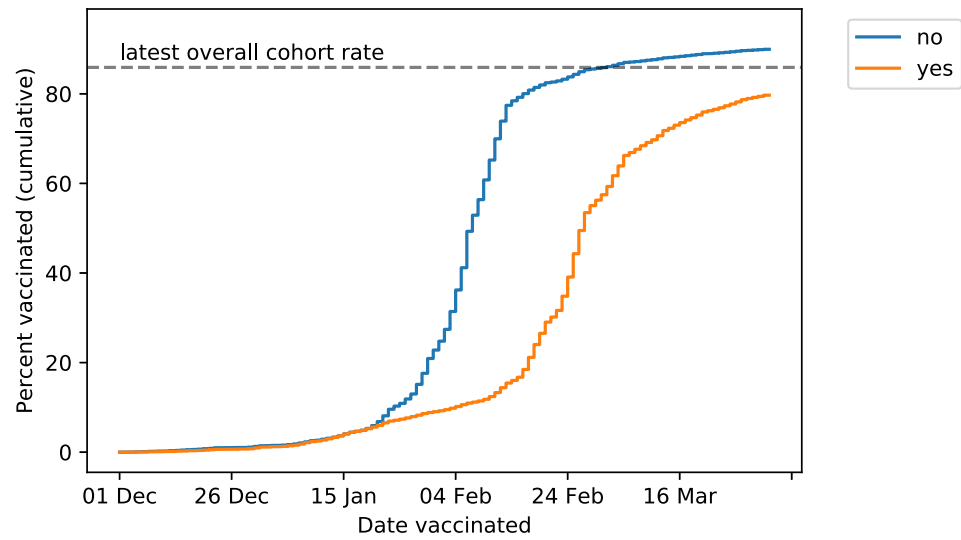
Trends in vaccination rates of shielding population according to demographic/clinical features, cumulatively by day.

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

Shielding population (aged 16-69)

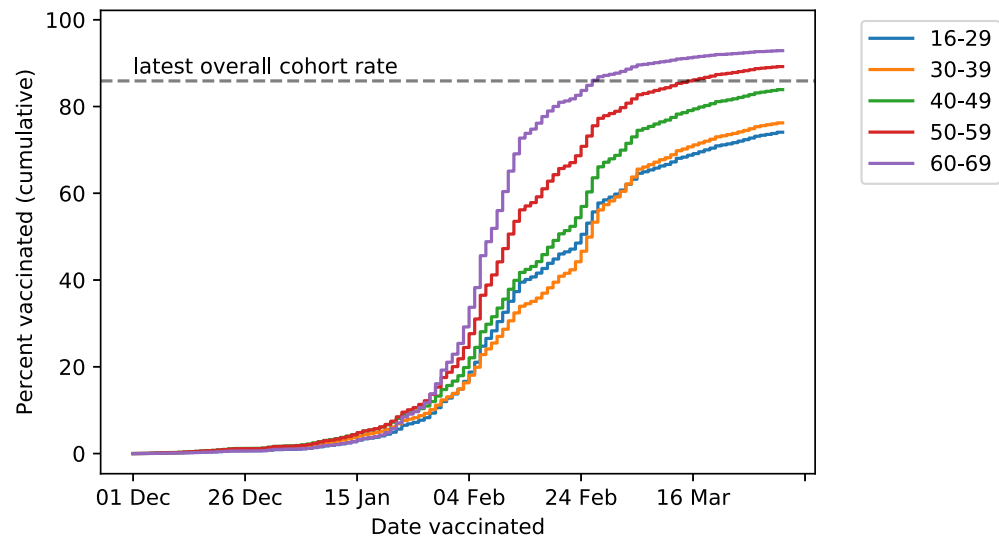
COVID vaccinations among shielding (aged 16-69) population

by newly shielded since feb 15



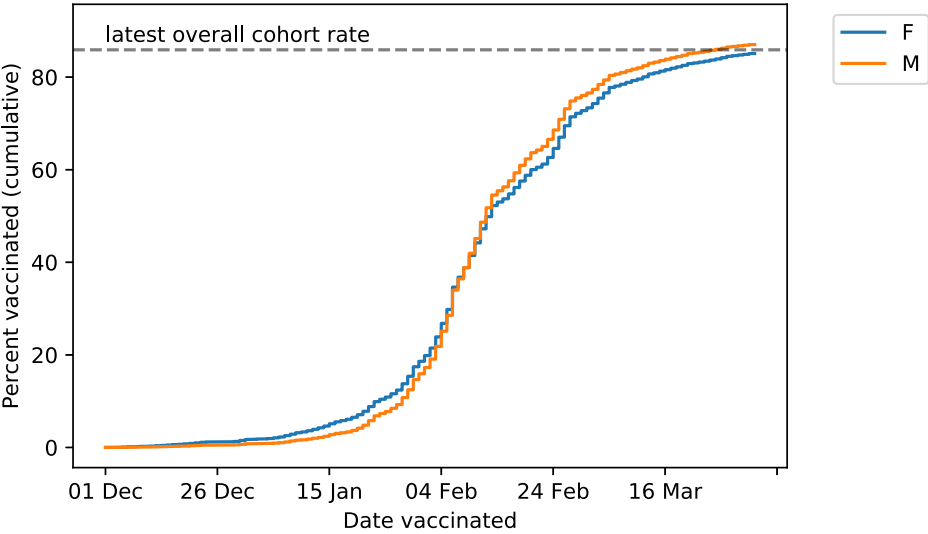
COVID vaccinations among shielding (aged 16-69) population

by Age band



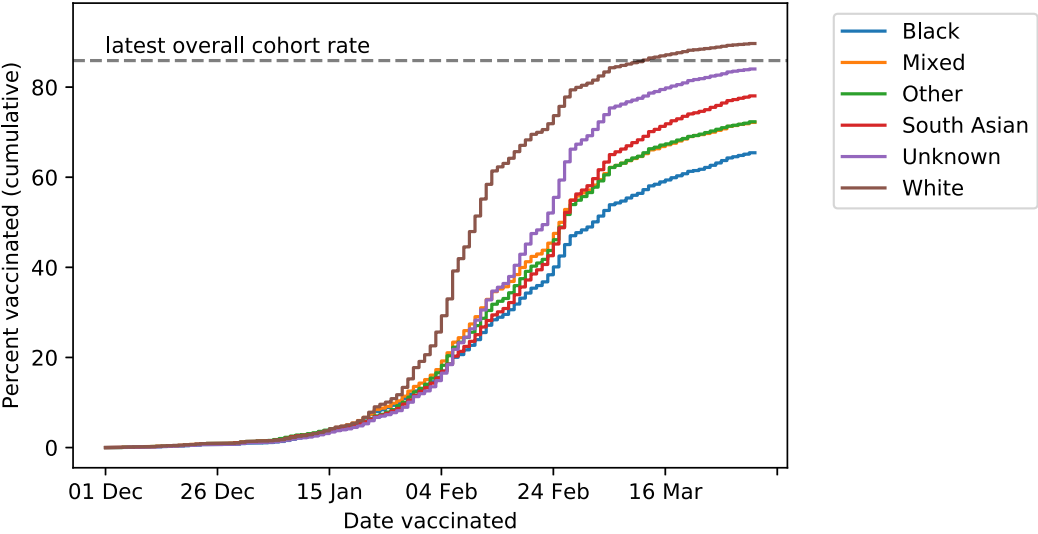
COVID vaccinations among shielding (aged 16-69) population

by Sex



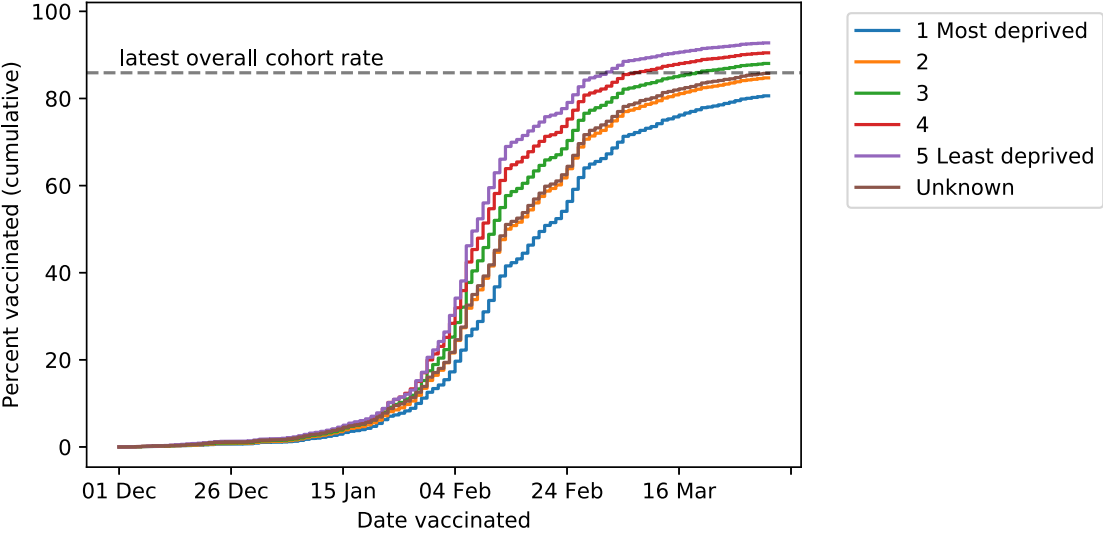
COVID vaccinations among shielding (aged 16-69) population

by Ethnicity (broad categories)



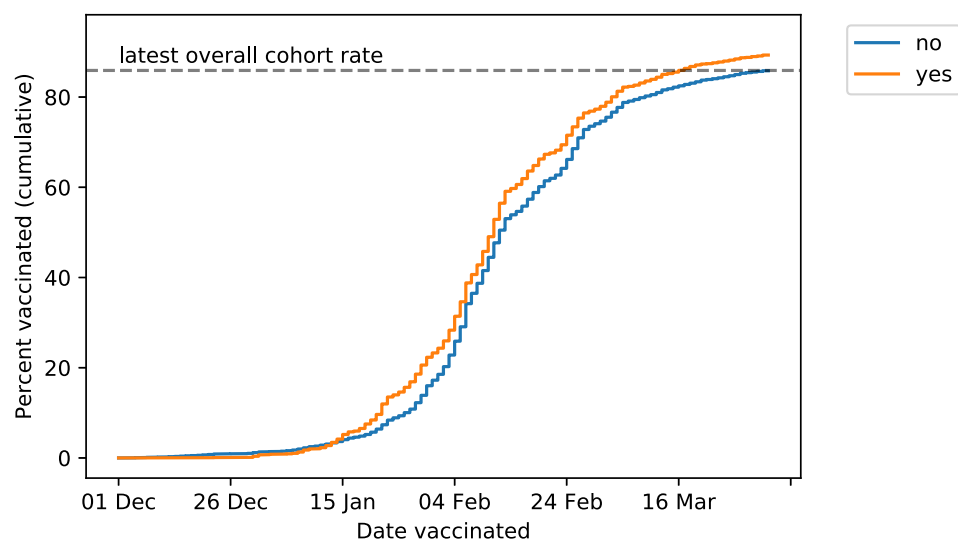
COVID vaccinations among shielding (aged 16-69) population

by Index of Multiple Deprivation (quintiles)



COVID vaccinations among shielding (aged 16-69) population

by Learning disability



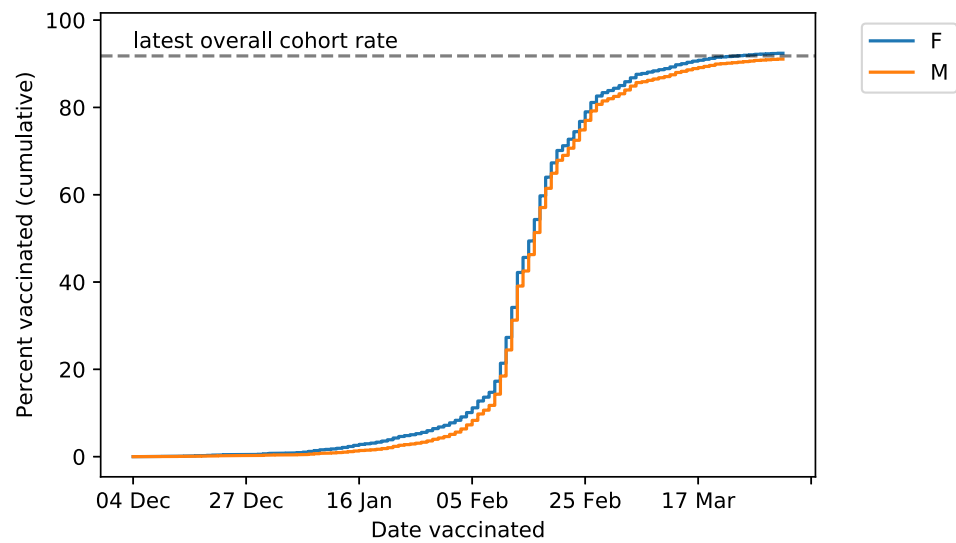
Trends in vaccination rates of 65-69 population according to demographic/clinical features, cumulatively by day.

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

65-69 population

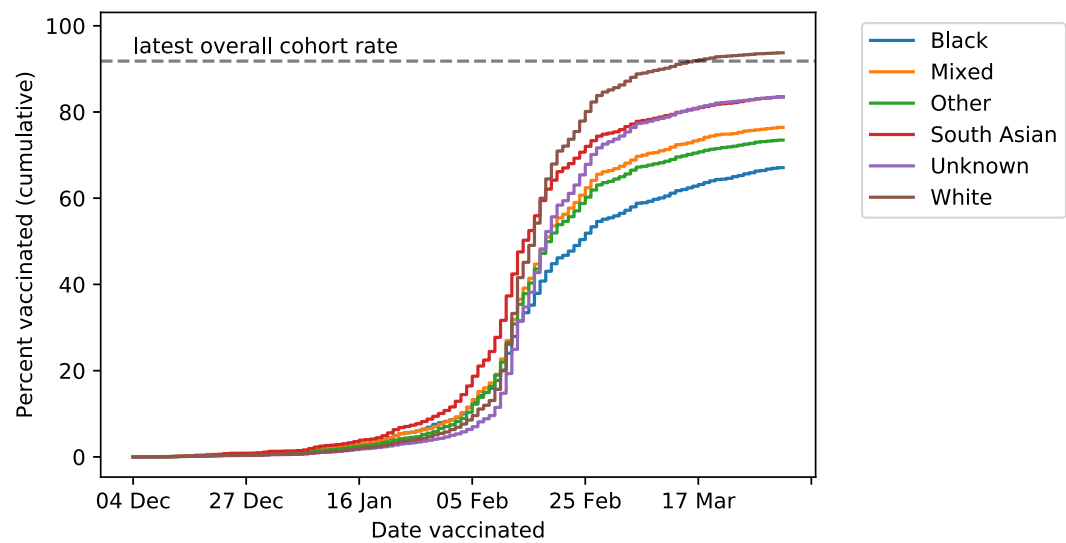
COVID vaccinations among 65-69 population

by Sex



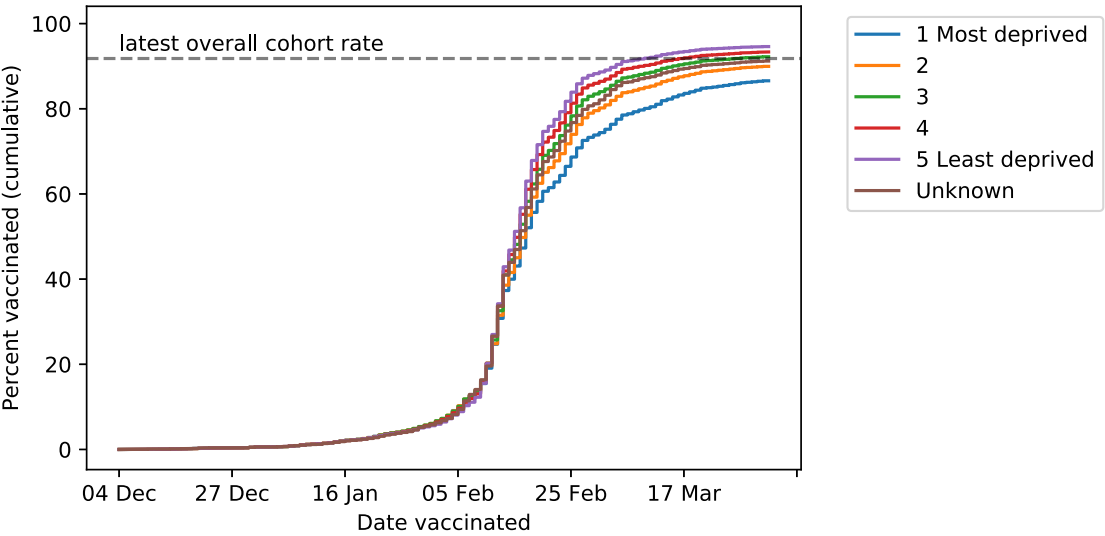
COVID vaccinations among 65-69 population

by Ethnicity (broad categories)



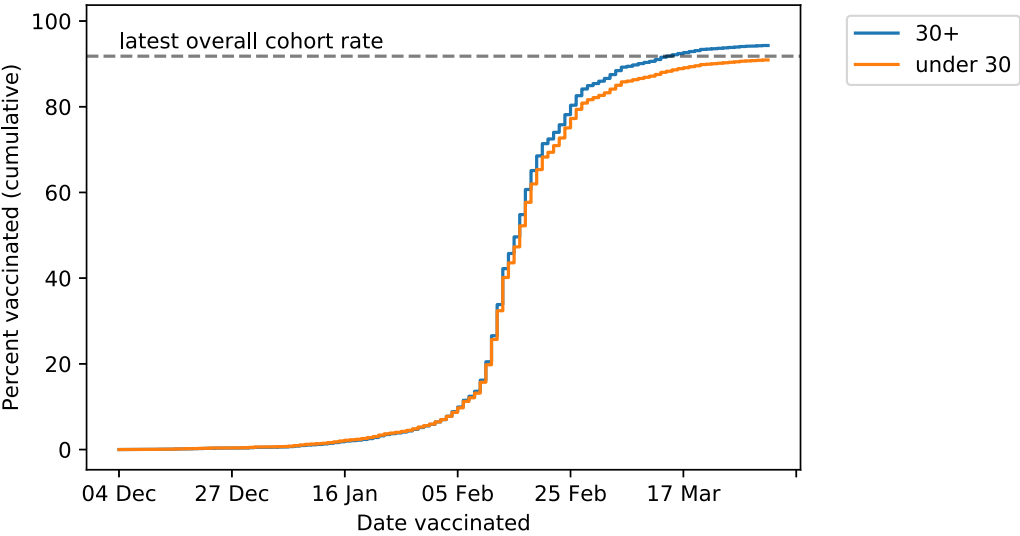
COVID vaccinations among 65-69 population

by Index of Multiple Deprivation (quintiles)



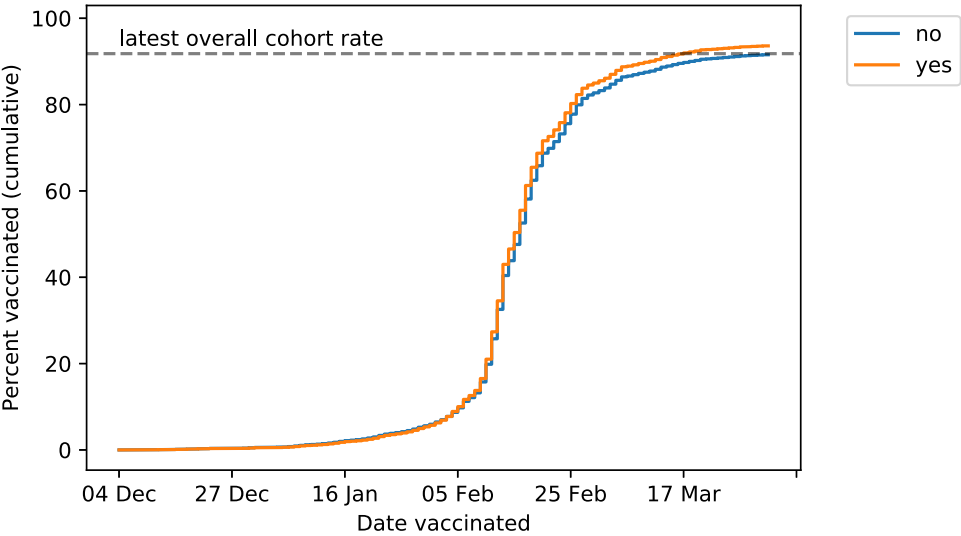
COVID vaccinations among 65-69 population

by BMI



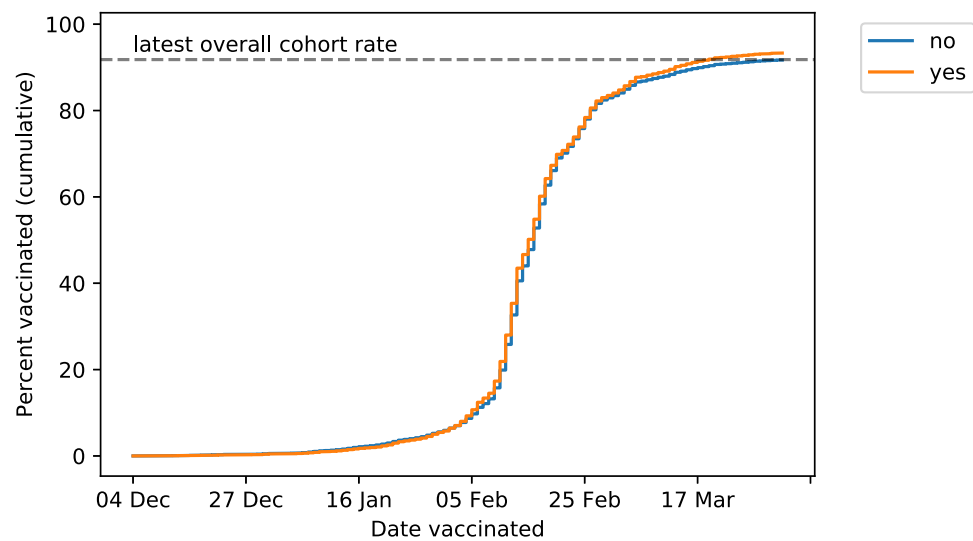
COVID vaccinations among 65-69 population

by Chronic cardiac disease



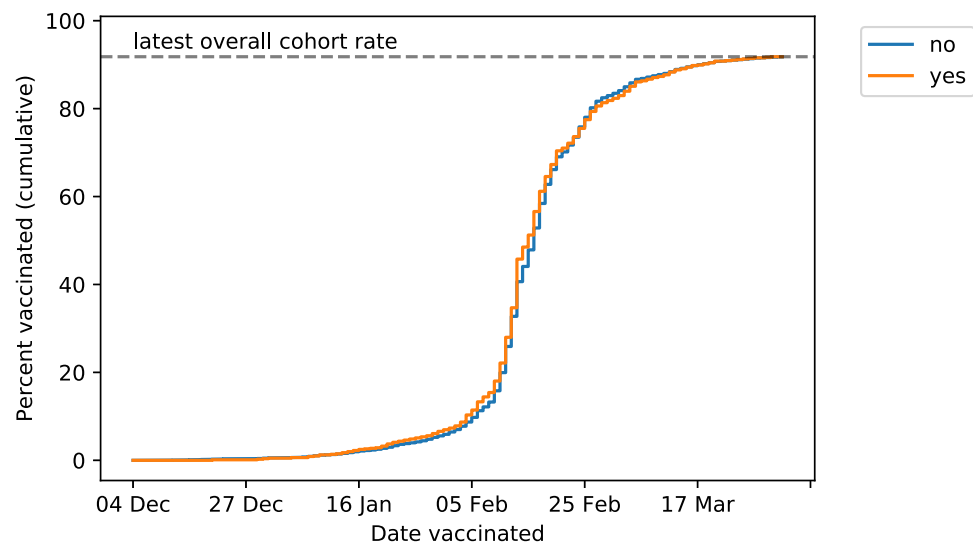
COVID vaccinations among 65-69 population

by Current COPD



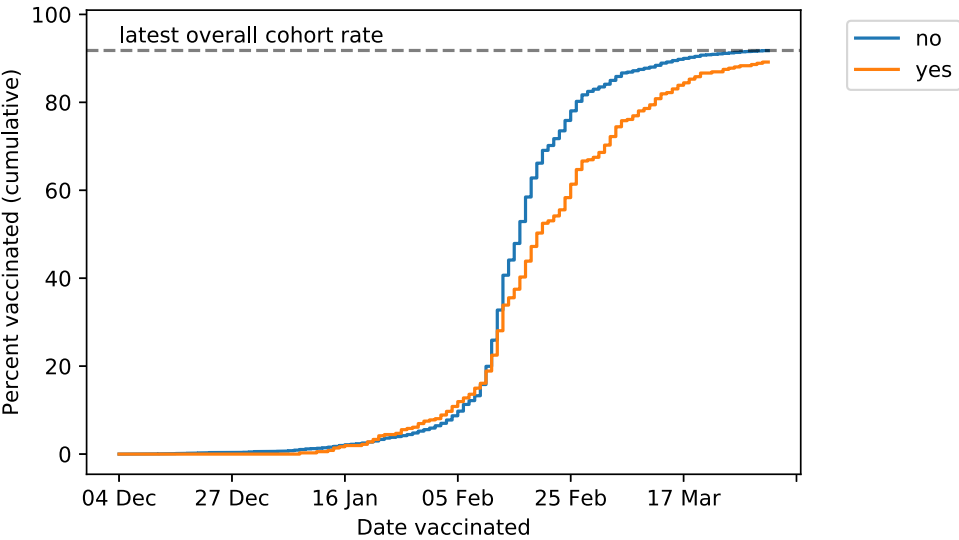
COVID vaccinations among 65-69 population

by Dementia



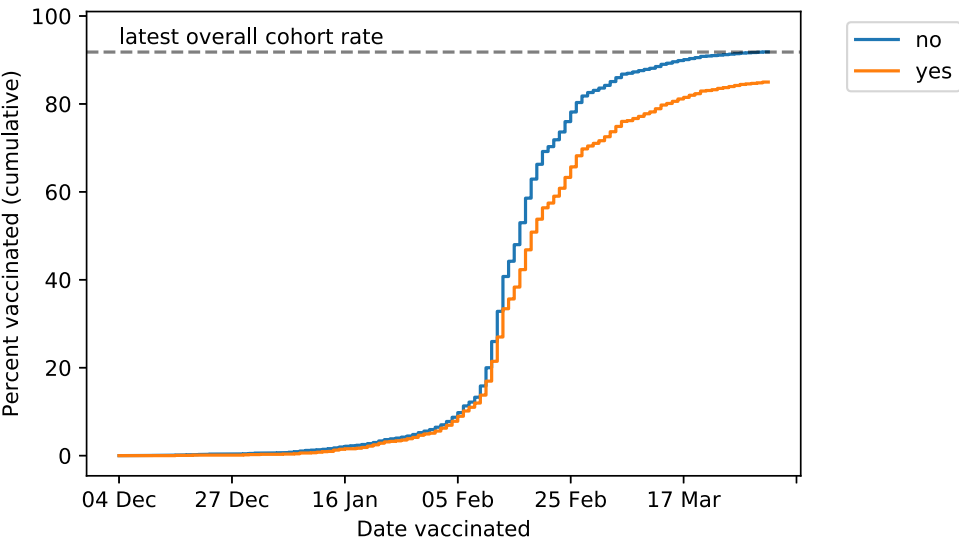
COVID vaccinations among 65-69 population

by Learning disability



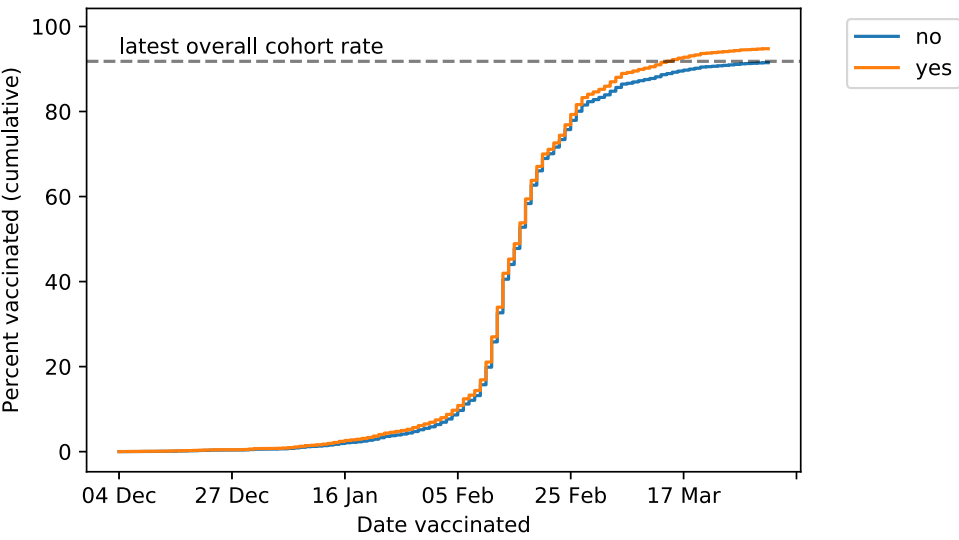
COVID vaccinations among 65-69 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 65-69 population

by SSRI (last 12 months)



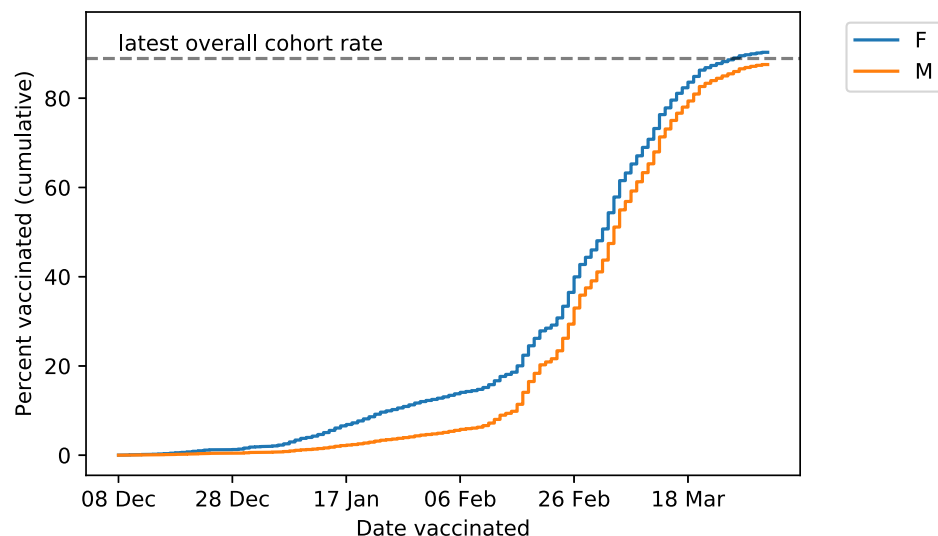
Trends in vaccination rates of 60-64 population according to demographic/clinical features, cumulatively by day.

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

60-64 population

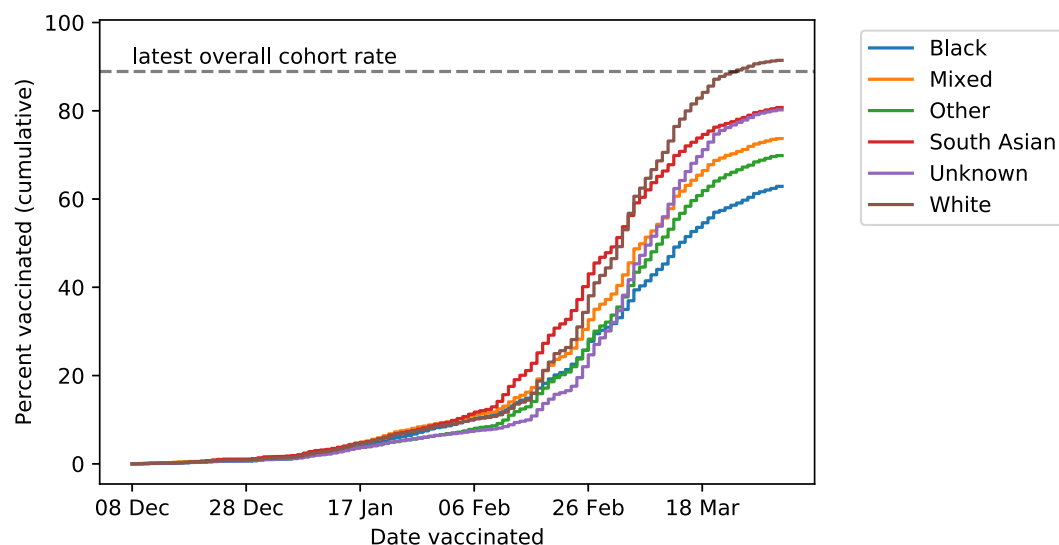
COVID vaccinations among 60-64 population

by Sex



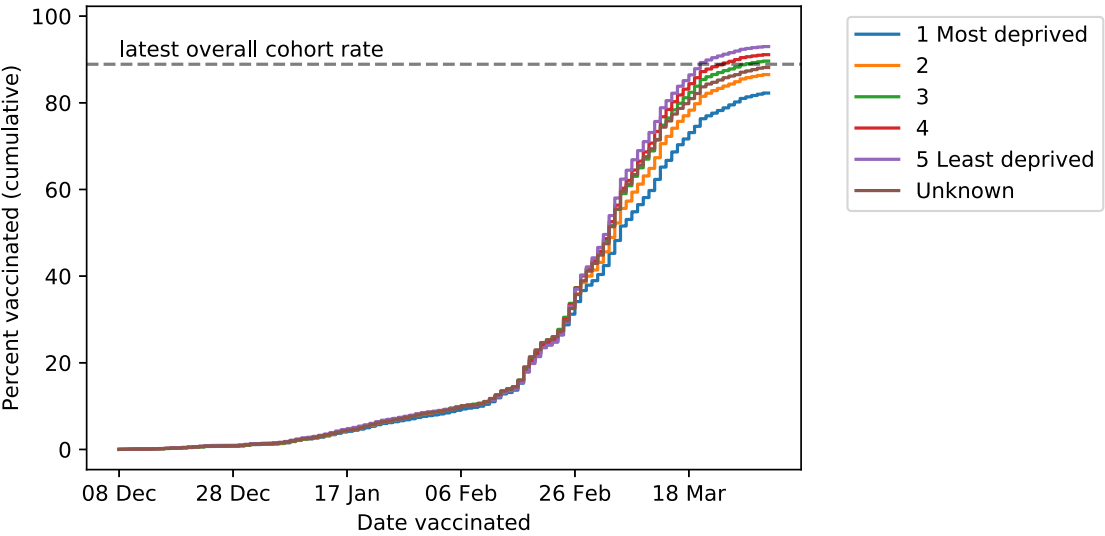
COVID vaccinations among 60-64 population

by Ethnicity (broad categories)



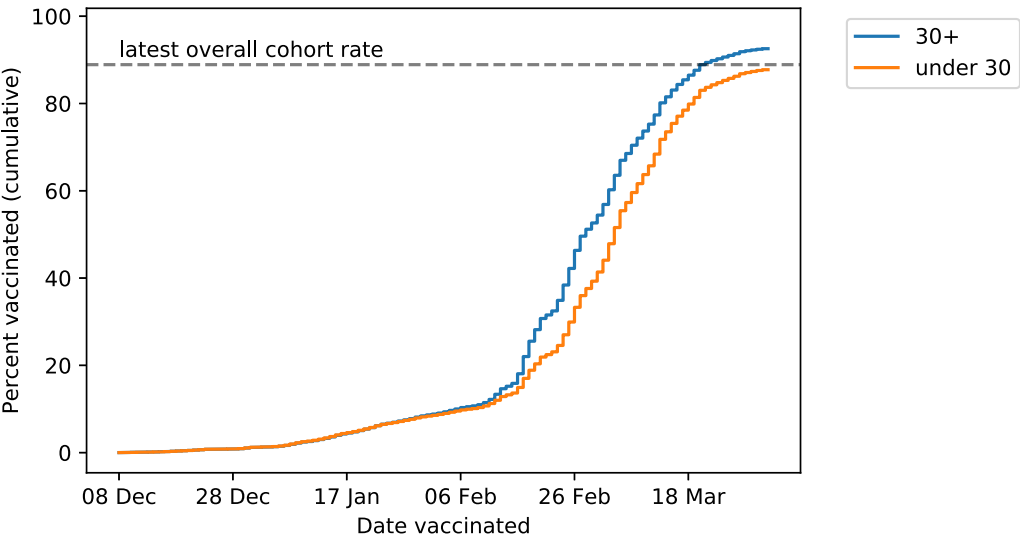
COVID vaccinations among 60-64 population

by Index of Multiple Deprivation (quintiles)



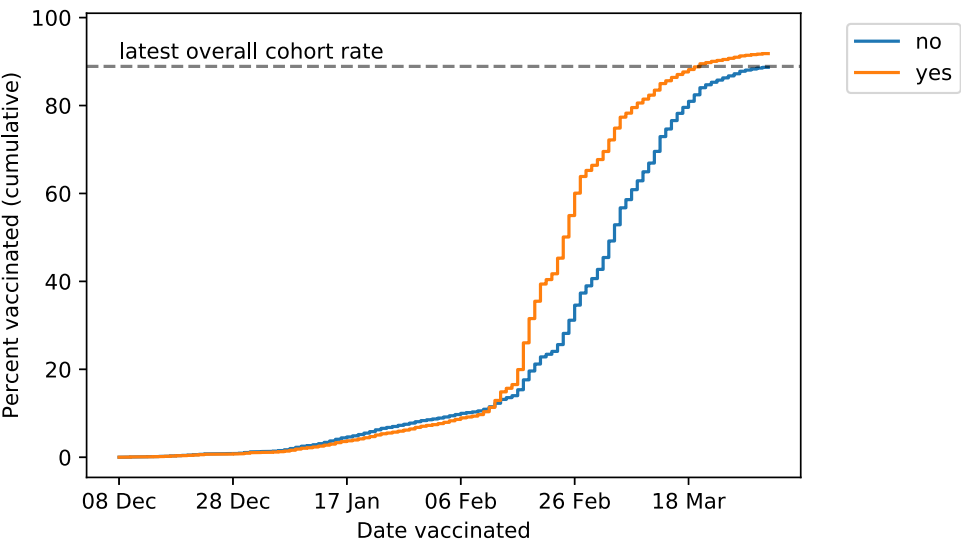
COVID vaccinations among 60-64 population

by BMI



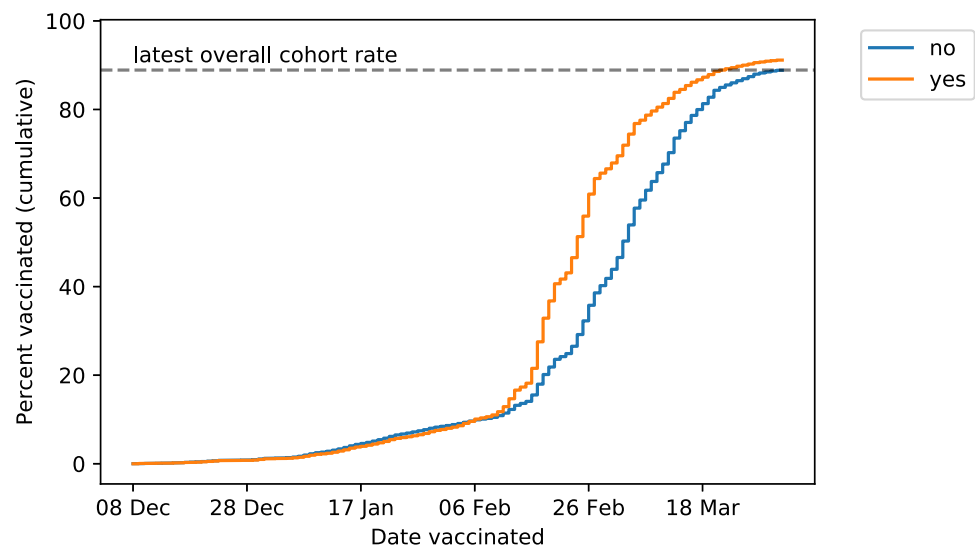
COVID vaccinations among 60-64 population

by Chronic cardiac disease



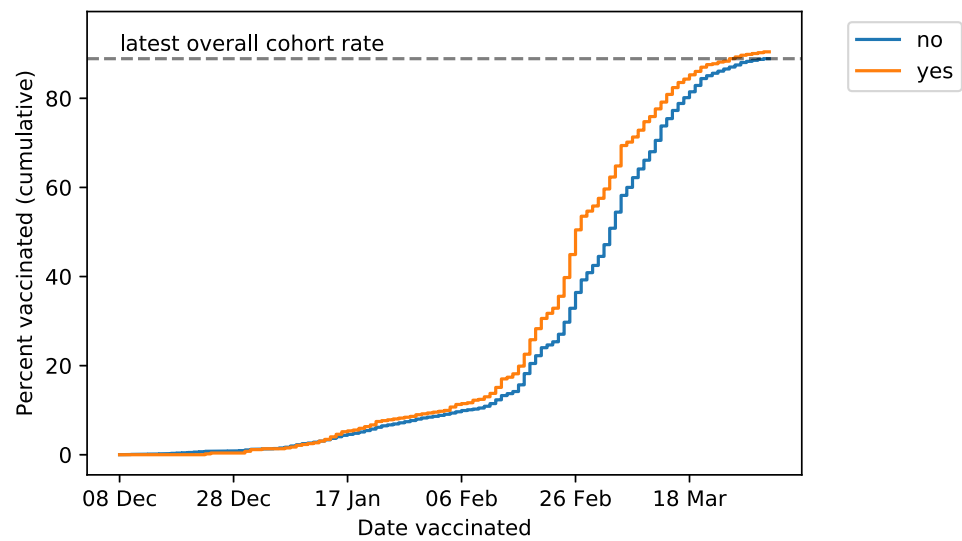
COVID vaccinations among 60-64 population

by Current COPD



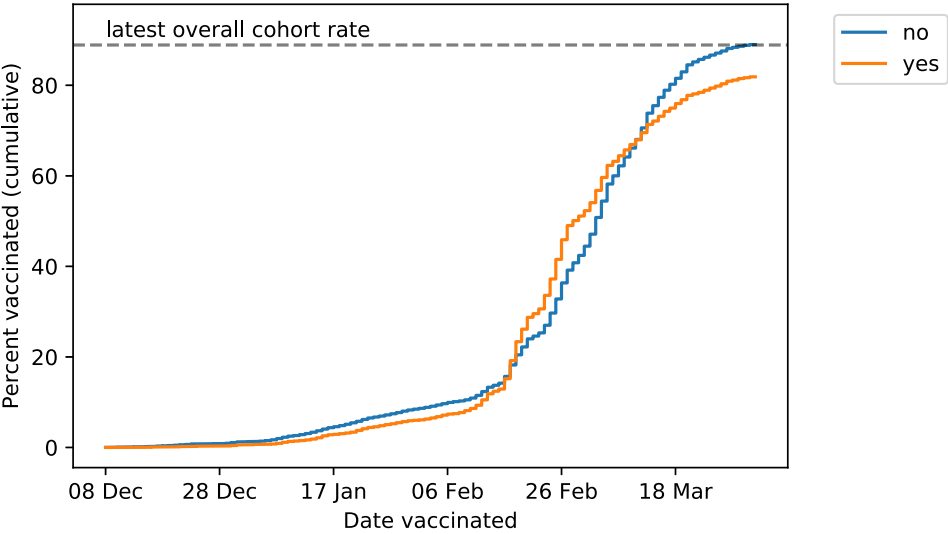
COVID vaccinations among 60-64 population

by Dementia



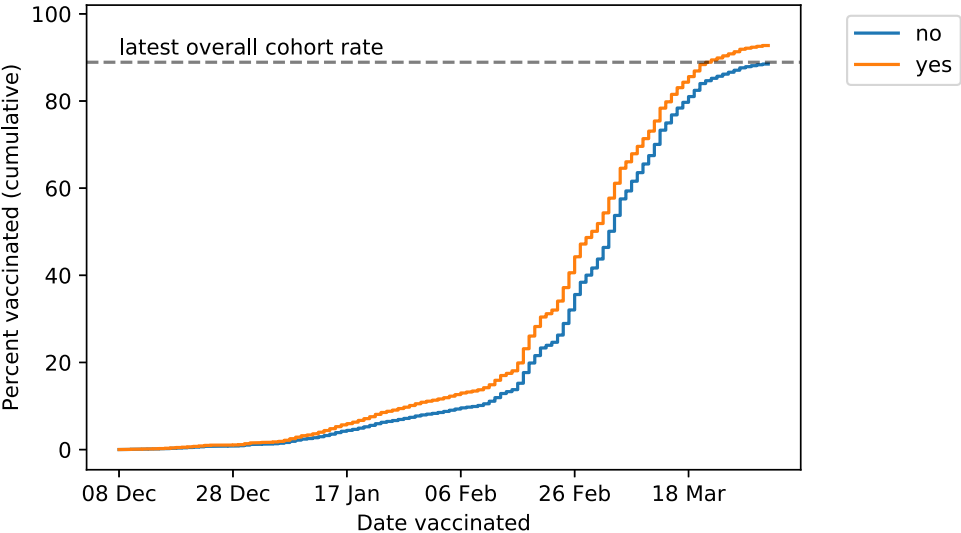
COVID vaccinations among 60-64 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 60-64 population

by SSRI (last 12 months)



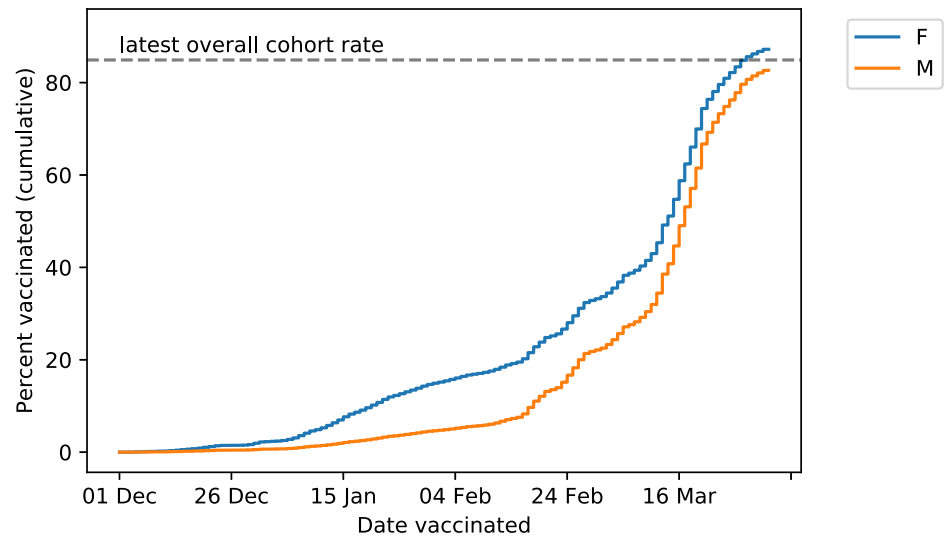
Trends in vaccination rates of 55-59 population according to demographic/clinical features, cumulatively by day.

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

55-59 population

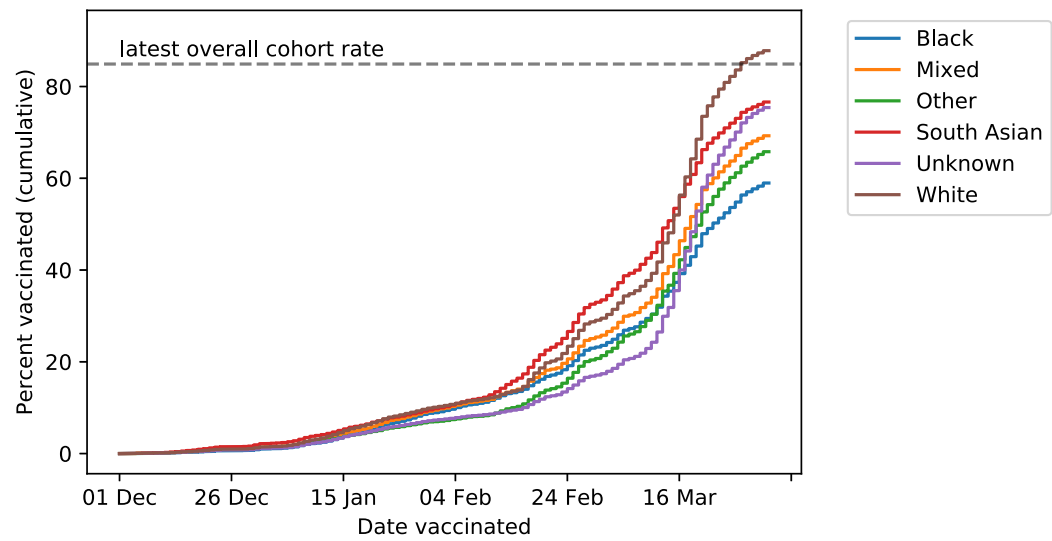
COVID vaccinations among 55-59 population

by Sex



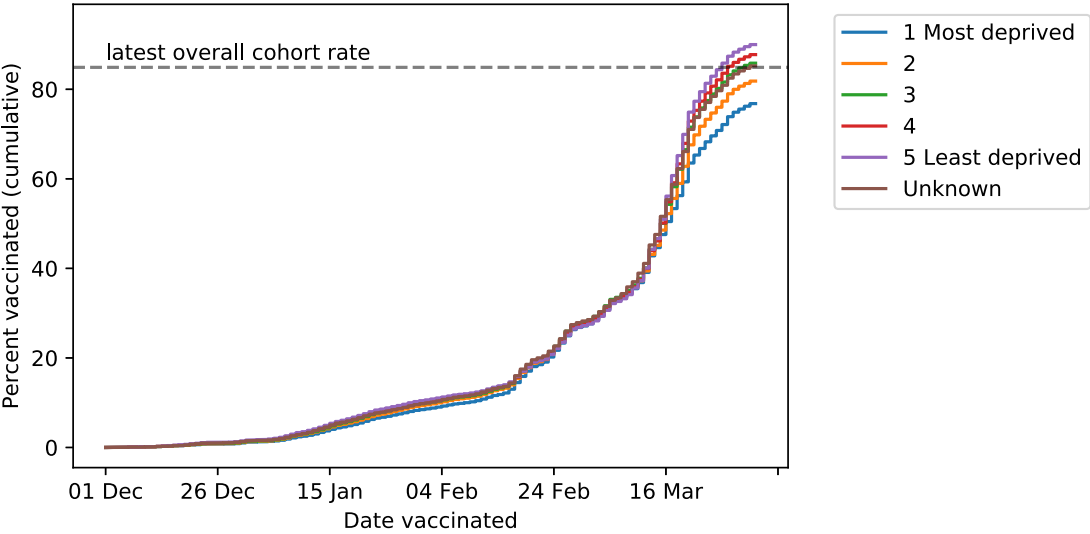
COVID vaccinations among 55-59 population

by Ethnicity (broad categories)



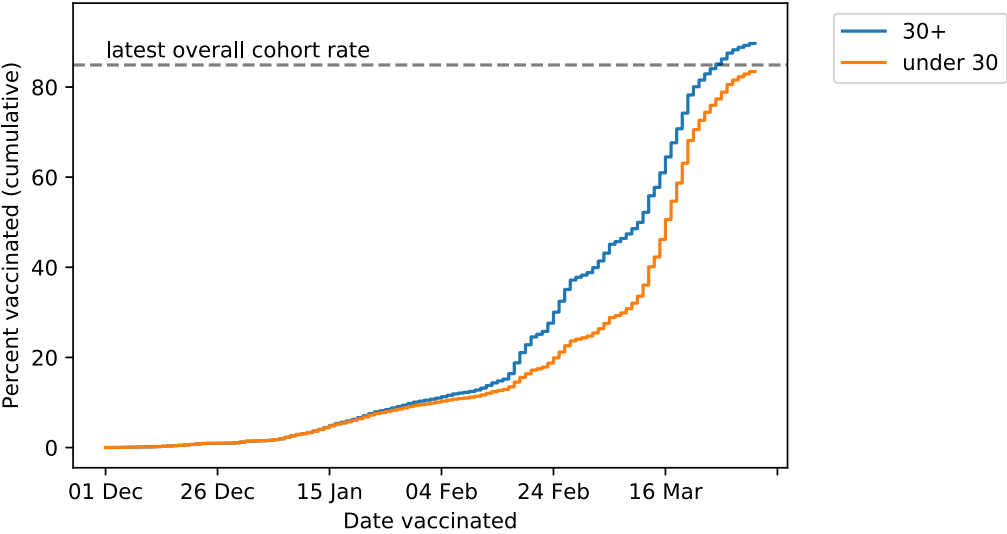
COVID vaccinations among 55-59 population

by Index of Multiple Deprivation (quintiles)



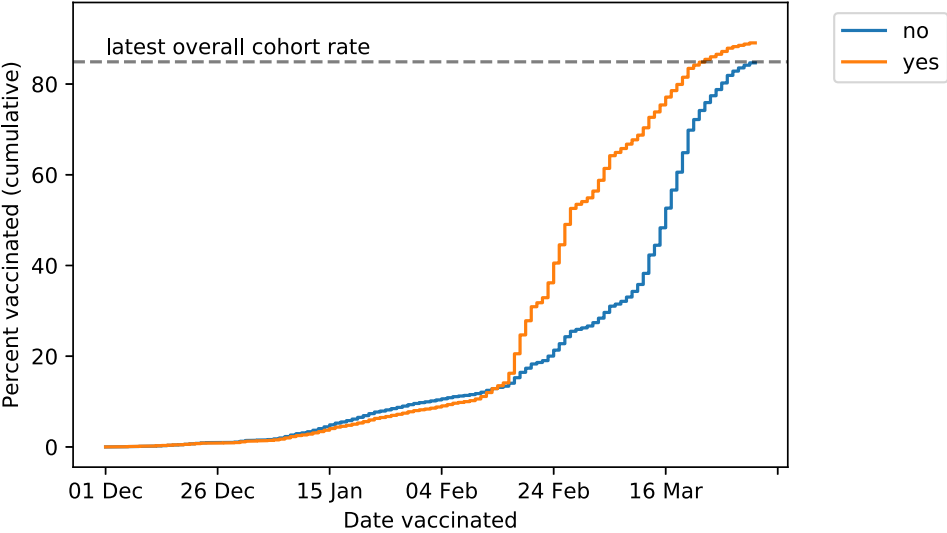
COVID vaccinations among 55-59 population

by BMI



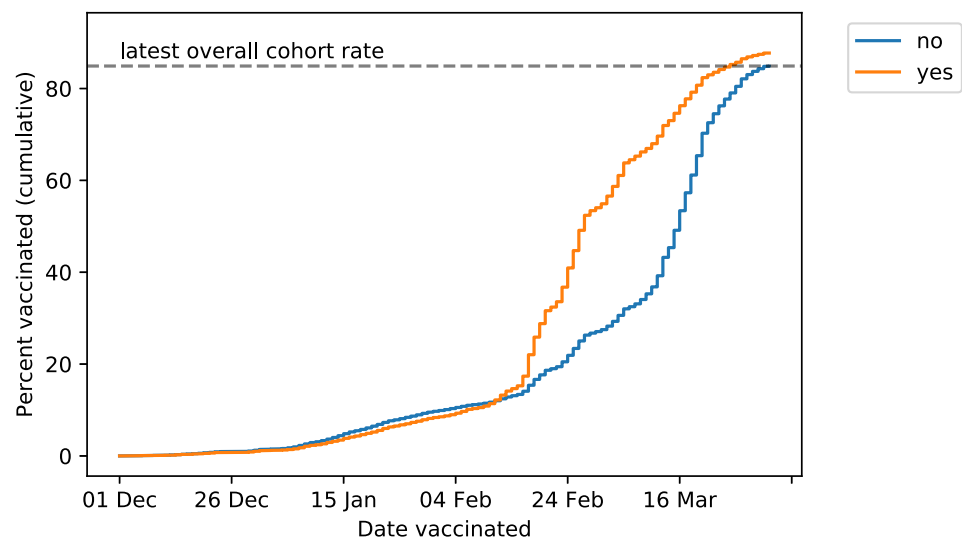
COVID vaccinations among 55-59 population

by Chronic cardiac disease



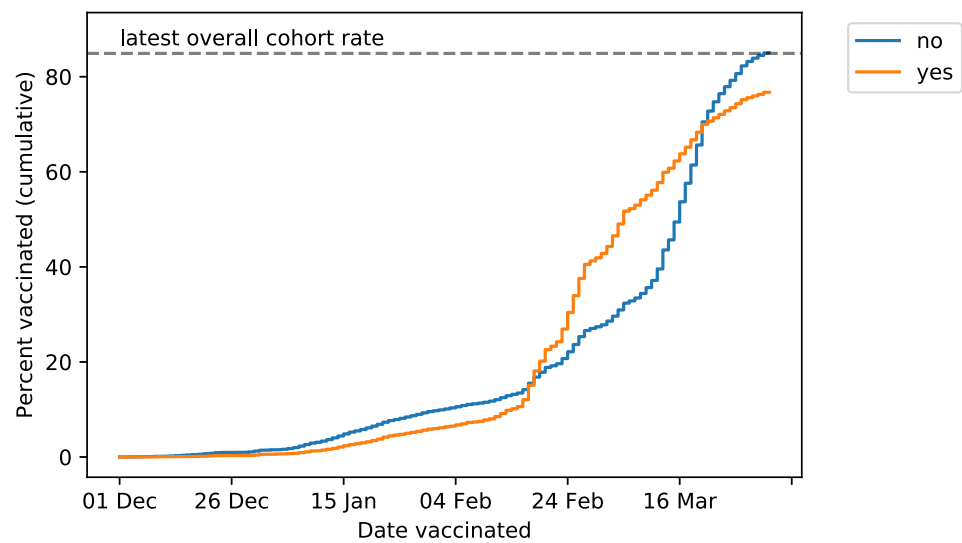
COVID vaccinations among 55-59 population

by Current COPD



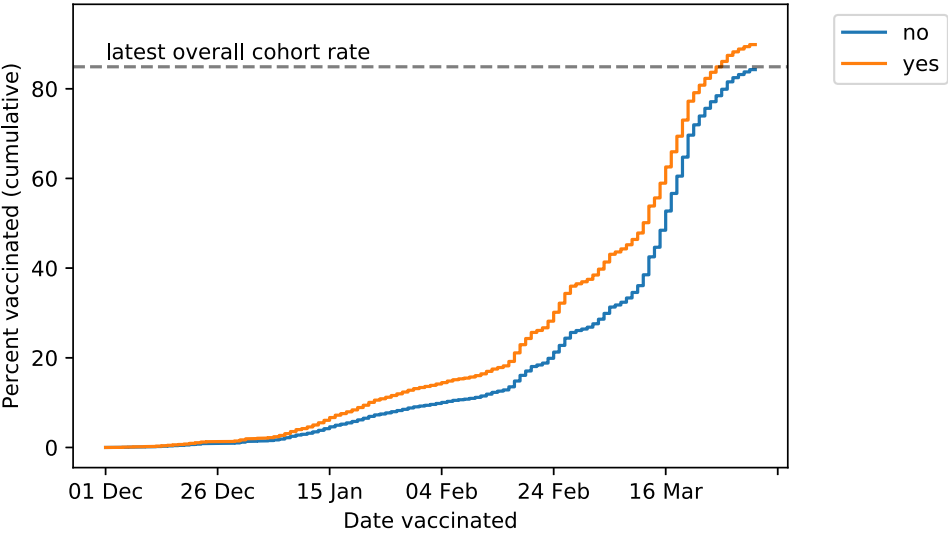
COVID vaccinations among 55-59 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 55-59 population

by SSRI (last 12 months)



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.

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1075478	95.5	1125803	95.4	0.1
Sex	F	622916	95.5	652596	95.3	0.2
	M	452557	95.6	473200	95.5	0.1
Age band	80-84	565299	95.8	589953	95.7	0.1
	85-89	336427	95.7	351715	95.5	0.2
	90+	173747	94.4	184128	94.2	0.2
Ethnicity (broad categories)	Black	8204	73.9	11102	73.3	0.6
	Mixed	2667	81.9	3255	81.7	0.2
	Other	5558	82.1	6769	81.8	0.3
	South Asian	24493	85.8	28539	85.4	0.4
	Unknown	55594	86.2	64463	86.1	0.1
	White	978964	96.8	1011675	96.6	0.2
ethnicity 16 groups	African	1358	64.7	2100	64.0	0.7
	Bangladeshi or British Bangladeshi	1064	80.9	1316	79.8	1.1
	Caribbean	5873	76.8	7651	76.3	0.5
	Chinese	1344	79.0	1701	79.0	0.0
	Other	4207	83.0	5068	82.6	0.4
	Other Asian	3647	82.7	4410	82.4	0.3
	British or Mixed British	929978	97.0	958363	96.9	0.1
	Indian or British Indian	13636	90.7	15036	90.5	0.2
	Irish	9198	94.5	9730	94.3	0.2
	Other Black	966	71.5	1351	71.0	0.5
	Other White	39760	91.3	43554	91.1	0.2
	Other mixed	987	86.0	1148	86.0	0.0
	Pakistani or British Pakistani	6146	79.2	7763	78.5	0.7
	Unknown	55622	86.2	64491	86.1	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	959	79.7	1204	79.1	0.6
Index of Multiple Deprivation (quintiles)	1 Most deprived	134603	92.1	146083	91.9	0.2
	2	177814	94.3	188636	94.1	0.2
	3	240765	95.9	251083	95.7	0.2
	4	250369	96.5	259504	96.3	0.2
	5 Least deprived	252952	97.1	260519	96.9	0.2
	Unknown	18977	95.0	19978	94.8	0.2
BMI	30+	189518	96.7	195895	96.6	0.1
	under 30	885955	95.3	929901	95.1	0.2
Chronic cardiac disease	no	750050	95.0	789124	94.9	0.1
	yes	325423	96.7	336672	96.5	0.2
Current COPD	no	961667	95.4	1008035	95.2	0.2
	yes	113806	96.6	117761	96.4	0.2

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
Dialysis	no	1073478	95.5	1123724	95.4	0.1
	yes	1995	96.3	2072	95.9	0.4
DMARDs	no	1041649	95.5	1091069	95.3	0.2
	yes	33824	97.4	34727	97.3	0.1
Dementia	no	985593	95.5	1031597	95.4	0.1
	yes	89880	95.4	94199	95.2	0.2
Psychosis, schizophrenia, or bipolar	no	1067479	95.6	1117088	95.4	0.2
	yes	7994	91.8	8708	91.5	0.3
Learning disability	no	1074962	95.5	1125250	95.4	0.1
	yes	511	93.6	546	92.3	1.3
SSRI (last 12 months)	no	1008378	95.4	1056797	95.2	0.2
	yes	67095	97.2	68999	97.1	0.1
Chemo or radiotherapy	no	1038674	95.5	1087905	95.3	0.2
	yes	36799	97.1	37891	97.0	0.1
Cancer (lung)	no	1068144	95.5	1118187	95.4	0.1
	yes	7329	96.3	7609	96.2	0.1
Cancer (excluding lung/haem)	no	879942	95.2	924427	95.0	0.2
	yes	195531	97.1	201369	97.0	0.1
Cancer (haematological)	no	1055418	95.5	1105139	95.3	0.2
	yes	20055	97.1	20657	96.9	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.
- 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.

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1961767	94.9	2067072	94.8	0.1
Sex	F	1030218	95.1	1083635	94.9	0.2
	M	931539	94.7	983430	94.6	0.1
Age band	70-74	1134028	94.5	1200136	94.3	0.2
	75-79	827729	95.5	866929	95.3	0.2
Ethnicity (broad categories)	Black	10388	70.8	14679	70.1	0.7
	Mixed	5236	81.3	6440	81.0	0.3
	Other	12096	79.0	15316	78.7	0.3
	South Asian	47201	85.9	54936	85.5	0.4
ethnicity 16 groups	Unknown	129857	88.0	147483	87.9	0.1
	White	1756979	96.1	1828211	96.0	0.1
	African	3409	64.9	5250	64.1	0.8
	Bangladeshi or British Bangladeshi	1533	84.9	1806	84.1	0.8
	Caribbean	5187	74.5	6965	73.8	0.7
	Chinese	3178	78.3	4060	77.9	0.4
	Other	8918	79.2	11256	78.9	0.3
	Other Asian	9261	83.0	11158	82.6	0.4
	British or Mixed British	1670606	96.6	1729966	96.4	0.2
	Indian or British Indian	27251	89.8	30331	89.5	0.3
	Irish	14112	93.0	15176	92.8	0.2
	Other Black	1799	73.0	2464	72.4	0.6
	Other White	72282	87.0	83083	86.8	0.2
	Other mixed	2079	82.7	2513	82.5	0.2
	Pakistani or British Pakistani	9163	78.7	11641	78.1	0.6
	Unknown	129843	88.0	147469	87.9	0.1
	White + Asian	1183	86.7	1365	86.7	0.0
	White + Black African	805	75.2	1071	74.5	0.7
	White + Black Caribbean	1155	77.8	1484	77.4	0.4
Index of Multiple Deprivation (quintiles)	1 Most deprived	250719	91.8	273140	91.5	0.3
	2	328860	93.7	351071	93.5	0.2
	3	437850	95.2	460033	95.0	0.2
	4	455728	95.8	475720	95.7	0.1
	5 Least deprived	452662	96.5	468839	96.4	0.1
	Unknown	35938	93.9	38255	93.8	0.1
BMI	30+	492471	96.3	511273	96.2	0.1
	under 30	1469286	94.4	1555792	94.3	0.1
Chronic cardiac disease	no	1605926	94.7	1696646	94.5	0.2
	yes	355831	96.1	370419	95.9	0.2
Current COPD	no	1772932	94.8	1870631	94.6	0.2
	yes	188825	96.1	196434	96.0	0.1
Dialysis	no	1957865	94.9	2062984	94.8	0.1

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
	yes	3892	95.4	4081	95.0	0.4
DMARDs	no	1891841	94.8	1995000	94.7	0.1
	yes	69923	97.0	72065	96.9	0.1
Dementia	no	1920303	94.9	2023490	94.7	0.2
	yes	41461	95.1	43575	94.9	0.2
Psychosis, schizophrenia, or bipolar	no	1943270	95.0	2046534	94.8	0.2
	yes	18494	90.1	20531	89.7	0.4
Learning disability	no	1958950	94.9	2064013	94.8	0.1
	yes	2807	92.0	3052	91.5	0.5
SSRI (last 12 months)	no	1811775	94.7	1912274	94.6	0.1
	yes	149989	96.9	154791	96.7	0.2
Chemo or radiotherapy	no	1894592	94.8	1997702	94.7	0.1
	yes	67165	96.8	69363	96.7	0.1
Cancer (lung)	no	1949619	94.9	2054395	94.7	0.2
	yes	12138	95.8	12670	95.6	0.2
Cancer (excluding lung/haem)	no	1685040	94.6	1781052	94.5	0.1
	yes	276717	96.7	286013	96.6	0.1
Cancer (haematological)	no	1932420	94.9	2036671	94.7	0.2
	yes	29344	96.5	30394	96.4	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.

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	79702	95.3	83615	94.9	0.4
Sex	F	56749	95.6	59332	95.3	0.3
	M	22953	94.5	24283	94.0	0.5
Age band	65-69	4312	91.5	4711	90.9	0.6
	70-74	6671	93.1	7168	92.5	0.6
	75-79	9240	94.6	9772	94.1	0.5
	80-84	13860	95.7	14490	95.2	0.5
	85-89	18641	96.1	19404	95.7	0.4
	90+	26978	96.1	28063	95.8	0.3
Ethnicity (broad categories)	Black	392	84.8	462	83.3	1.5
	Mixed	203	90.6	224	90.6	0.0
	Other	343	92.5	371	92.5	0.0
	South Asian	616	91.7	672	90.6	1.1
	Unknown	2030	93.2	2177	92.9	0.3
	White	76111	95.5	79709	95.1	0.4
Dementia	no	36036	94.1	38290	93.5	0.6
	yes	43666	96.3	45332	96.0	0.3

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 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	708558	85.9	824432	84.8	1.1
newly shielded since feb 15	no	452249	89.9	502831	89.4	0.5
	yes	256305	79.7	321601	77.7	2.0
Sex	F	393687	85.1	462644	83.9	1.2
	M	314860	87.0	361774	86.0	1.0
Age band	16-29	50974	74.1	68810	72.4	1.7
	30-39	96369	76.2	126413	74.5	1.7
	40-49	138593	83.9	165200	82.4	1.5
	50-59	202643	89.2	227164	88.3	0.9
	60-69	219961	92.9	236831	92.4	0.5
Ethnicity (broad categories)	Black	29106	65.4	44478	63.2	2.2
	Mixed	10276	72.2	14238	70.4	1.8
	Other	13111	72.3	18130	70.7	1.6
	South Asian	84483	78.1	108227	75.9	2.2
	Unknown	27636	84.0	32886	82.7	1.3
	White	543935	89.7	606459	88.9	0.8
Index of Multiple Deprivation (quintiles)	1 Most deprived	196616	80.6	243915	79.2	1.4
	2	158109	84.7	186613	83.6	1.1
	3	137718	88.0	156422	87.1	0.9
	4	110859	90.5	122521	89.6	0.9
	5 Least deprived	88298	92.8	95186	92.1	0.7
	Unknown	16947	85.8	19761	84.5	1.3
Learning disability	no	684621	85.8	797629	84.7	1.1
	yes	23926	89.3	26789	88.2	1.1

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 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	983250	91.8	1071581	91.2	0.6
Sex	F	505925	92.4	547463	92.0	0.4
	M	477316	91.1	524104	90.5	0.6
Ethnicity (broad categories)	Black	7231	67.1	10780	65.6	1.5
	Mixed	3745	76.4	4900	75.6	0.8
	Other	8708	73.5	11851	72.5	1.0
	South Asian	36190	83.5	43323	82.6	0.9
	Unknown	85659	83.5	102641	82.7	0.8
	White	841715	93.7	898079	93.3	0.4
	White	841715	93.7	898079	93.3	0.4
ethnicity 16 groups	African	2758	64.4	4284	62.9	1.5
	Bangladeshi or British Bangladeshi	1470	85.7	1715	84.9	0.8
	Caribbean	3038	67.7	4487	66.0	1.7
	Chinese	2828	74.7	3787	73.8	0.9
	Other	5887	72.9	8071	71.9	1.0
	Other Asian	6664	82.3	8099	81.4	0.9
	British or Mixed British	797034	94.8	840721	94.4	0.4
	Indian or British Indian	19978	87.7	22771	87.2	0.5
	Irish	5838	89.5	6524	89.1	0.4
	Other Black	1442	71.8	2009	70.7	1.1
	Other White	38822	76.4	50799	75.7	0.7
	Other mixed	1449	76.7	1890	75.9	0.8
	Pakistani or British Pakistani	8078	75.1	10752	73.6	1.5
	Unknown	85666	83.5	102648	82.7	0.8
	White + Asian	861	84.8	1015	84.1	0.7
	White + Black African	616	69.8	882	69.0	0.8
	White + Black Caribbean	819	73.1	1120	72.5	0.6
	1 Most deprived	132545	86.6	153111	85.7	0.9
	2	169547	90.0	188482	89.3	0.7
	3	218302	92.2	236740	91.7	0.5
	4	223496	93.3	239449	92.9	0.4
Index of Multiple Deprivation (quintiles)	5 Least deprived	219548	94.6	232071	94.3	0.3
	Unknown	19810	91.2	21721	90.7	0.5
BMI	30+	252483	94.3	267771	93.8	0.5
	under 30	730765	90.9	803796	90.4	0.5
Chronic cardiac disease	no	879340	91.5	960561	91.0	0.5
	yes	103908	93.6	111013	93.1	0.5
Current COPD	no	945343	91.7	1030953	91.2	0.5
	yes	37905	93.3	40621	92.8	0.5
DMARDs	no	964425	91.7	1051792	91.2	0.5
	yes	18823	95.2	19782	94.8	0.4
Dementia	no	978082	91.8	1065946	91.2	0.6

Category	Group	Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	5166	91.8	5628	91.3	0.5
	no	973350	91.8	1059919	91.3	0.5
	yes	9898	85.0	11648	84.0	1.0
Learning disability	no	981001	91.8	1069047	91.3	0.5
	yes	2247	89.2	2520	87.8	1.4
SSRI (last 12 months)	no	897085	91.5	980644	91.0	0.5
	yes	86163	94.8	90923	94.2	0.6
	no	964530	91.7	1051890	91.2	0.5
Chemo or radiotherapy	yes	18711	95.1	19684	94.7	0.4
	no	981610	91.8	1069796	91.2	0.6
Cancer (lung)	yes	1638	92.1	1778	90.9	1.2
	no	900249	91.5	984060	91.0	0.5
Cancer (excluding lung/haem)	yes	82992	94.8	87507	94.4	0.4
	no	979825	91.8	1067920	91.2	0.6
Cancer (haematological)	yes	3416	93.5	3654	92.9	0.6

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.

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	63524	78.4	81004	75.3	3.1
Sex	F	24822	81.1	30597	78.3	2.8
	M	38696	76.8	50400	73.4	3.4
Age band	16-29	23660	71.1	33285	67.4	3.7
	30-34	8148	77.3	10535	74.1	3.2
	35-39	6174	81.1	7609	78.2	2.9
	40-44	5033	84.3	5971	81.0	3.3
	45-49	5159	85.0	6069	81.9	3.1
	50-54	5572	86.7	6426	84.2	2.5
	55-59	5586	87.6	6377	85.5	2.1
	60-64	4193	88.7	4725	86.8	1.9
Ethnicity (broad categories)	Black	686	51.6	1330	48.9	2.7
	Mixed	637	59.5	1071	55.6	3.9
	Other	427	64.2	665	58.9	5.3
	South Asian	2835	61.4	4620	57.6	3.8
	Unknown	5019	75.8	6622	71.7	4.1
	White	53914	80.8	66689	77.9	2.9

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 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1135077	88.9	1276625	87.0	1.9
Sex	F	573104	90.3	634725	88.6	1.7
	M	561967	87.5	641886	85.5	2.0
Ethnicity (broad categories)	Black	12257	62.9	19495	59.7	3.2
	Mixed	5845	73.7	7931	71.2	2.5
	Other	11284	69.8	16156	67.2	2.6
	South Asian	42224	80.7	52297	78.5	2.2
	Unknown	114765	80.2	143108	77.9	2.3
	White	948703	91.4	1037617	89.7	1.7
	White	948703	91.4	1037617	89.7	1.7
ethnicity 16 groups	African	4823	62.8	7679	60.1	2.7
	Bangladeshi or British Bangladeshi	1876	83.8	2240	80.9	2.9
	Caribbean	4830	61.6	7840	58.3	3.3
	Chinese	3500	73.5	4760	70.3	3.2
	Other	7777	68.2	11396	65.8	2.4
	Other Asian	8743	78.9	11088	76.8	2.1
	British or Mixed British	893914	93.0	960799	91.3	1.7
	Indian or British Indian	22344	85.2	26229	83.3	1.9
	Irish	5586	85.5	6531	83.8	1.7
	Other Black	2611	65.6	3983	61.9	3.7
	Other White	49210	70.0	70294	67.7	2.3
	Other mixed	2219	73.4	3024	71.3	2.1
	Pakistani or British Pakistani	9254	72.6	12747	69.6	3.0
	Unknown	114758	80.2	143108	77.9	2.3
	White + Asian	1218	83.3	1463	81.3	2.0
	White + Black African	1043	70.3	1484	66.5	3.8
	White + Black Caribbean	1372	70.0	1960	67.5	2.5
Index of Multiple Deprivation (quintiles)	1 Most deprived	163135	82.3	198324	79.5	2.8
	2	200172	86.5	231364	84.3	2.2
	3	248444	89.6	277165	87.8	1.8
	4	253897	91.1	278663	89.6	1.5
	5 Least deprived	246610	93.0	265230	91.6	1.4
	Unknown	22806	88.1	25872	86.2	1.9
BMI	30+	286762	92.6	309813	91.0	1.6
	under 30	848309	87.7	966798	85.8	1.9
Chronic cardiac disease	no	1049461	88.7	1183371	86.7	2.0
	yes	85603	91.8	93240	90.7	1.1
Current COPD	no	1103648	88.9	1242136	86.9	2.0
	yes	31423	91.1	34475	90.0	1.1
DMARDs	no	1115702	88.8	1255905	86.9	1.9
	yes	19369	93.5	20706	92.5	1.0
Dementia	no	1131760	88.9	1272950	87.0	1.9

Category	Group	Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar SSRI (last 12 months)	yes	3311	90.4	3661	88.9	1.5
	no	1123031	89.0	1261911	87.1	1.9
	yes	12040	81.9	14707	79.8	2.1
	no	1016148	88.5	1148385	86.6	1.9
	yes	118923	92.7	128233	90.8	1.9
	no	1118208	88.8	1258635	87.0	1.8
Chemo or radiotherapy Cancer (lung)	yes	16856	93.7	17983	92.4	1.3
	no	1134035	88.9	1275442	87.0	1.9
	yes	1036	88.1	1176	86.9	1.2
Cancer (excluding lung/haem)	no	1068074	88.7	1204735	86.7	2.0
	yes	66997	93.2	71883	91.8	1.4
Cancer (haematological)	no	1131991	88.9	1273293	87.0	1.9
	yes	3080	92.6	3325	91.8	0.8

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 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1280135	84.9	1508087	79.2	5.7
Sex	F	646142	87.2	740901	82.2	5.0
	M	633990	82.6	767172	76.3	6.3
Ethnicity (broad categories)	Black	18207	59.0	30877	53.6	5.4
	Mixed	8456	69.3	12208	63.8	5.5
	Other	14448	65.8	21959	60.2	5.6
	South Asian	45752	76.6	59710	72.0	4.6
	Unknown	130613	75.4	173194	68.4	7.0
	White	1062656	87.8	1210132	82.2	5.6
	White	1062656	87.8	1210132	82.2	5.6
ethnicity 16 groups	African	7651	60.2	12719	55.0	5.2
	Bangladeshi or British Bangladeshi	2394	80.5	2975	76.2	4.3
	Caribbean	6216	56.8	10948	51.5	5.3
	Chinese	4298	70.3	6118	62.5	7.8
	Other	10150	64.1	15834	59.3	4.8
	Other Asian	11172	75.6	14784	70.5	5.1
	British or Mixed British	996814	89.7	1111635	84.0	5.7
	Indian or British Indian	23100	81.6	28294	77.5	4.1
	Irish	6258	81.8	7651	77.5	4.3
	Other Black	4326	60.1	7203	54.4	5.7
	Other White	59591	65.6	90853	60.4	5.2
	Other mixed	2996	69.3	4326	63.9	5.4
	Pakistani or British Pakistani	9100	66.6	13664	61.5	5.1
	Unknown	130599	75.4	173180	68.4	7.0
	White + Asian	1743	77.3	2254	72.0	5.3
	White + Black African	1519	65.4	2324	59.3	6.1
	White + Black Caribbean	2198	66.4	3311	61.1	5.3
Index of Multiple Deprivation (quintiles)	1 Most deprived	188433	76.8	245350	70.8	6.0
	2	225589	81.8	275667	76.0	5.8
	3	277193	85.8	322945	80.2	5.6
	4	284410	87.7	324128	82.1	5.6
	5 Least deprived	279027	90.0	310079	84.4	5.6
	Unknown	25480	85.2	29897	79.7	5.5
BMI	30+	312613	89.7	348656	85.1	4.6
	under 30	967519	83.4	1159424	77.4	6.0
Chronic cardiac disease	no	1216138	84.7	1436246	78.8	5.9
	yes	63987	89.1	71834	86.6	2.5
Current COPD	no	1255919	84.8	1480472	79.0	5.8
	yes	24213	87.7	27601	85.2	2.5
DMARDs	no	1260980	84.8	1487052	79.0	5.8
	yes	19152	91.1	21028	87.8	3.3
Psychosis,	no	1265747	85.0	1489327	79.2	5.8

		Vaccinated at 01 Apr (n)	Vaccinated at 01 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
schizophrenia, or bipolar	yes	14385	76.7	18746	73.5	3.2
SSRI (last 12 months)	no	1130759	84.3	1341830	78.4	5.9
	yes	149373	89.9	166243	84.9	5.0

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 under 55s, not in other eligible groups shown population

Please refer to footnotes below table for information.

		Vaccinated at 01 Apr (n)	Previous week's vaccination figure (n)	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Category	Group				
overall	overall	3534037	3053245.0	480792.0	15.7
Sex	F	2041235	1807673.0	233562.0	12.9
	M	1492722	1245503.0	247219.0	19.8
Age band	16-29	547708	490686.0	57022.0	11.6
	30-39	682199	612948.0	69251.0	11.3
	40-49	1044547	858158.0	186389.0	21.7
	50-59	1259496	1091384.0	168112.0	15.4
Ethnicity (broad categories)	Black	68642	60193.0	8449.0	14.0
	Mixed	41517	36484.0	5033.0	13.8
	Other	62146	53221.0	8925.0	16.8
	South Asian	252182	217350.0	34832.0	16.0
	Unknown	338513	279363.0	59150.0	21.2
	White	2770957	2406572.0	364385.0	15.1
ethnicity 16 groups	African	43407	38311.0	5096.0	13.3
	Bangladeshi or British Bangladeshi	19180	15827.0	3353.0	21.2
	Caribbean	11011	9548.0	1463.0	15.3
	Chinese	13685	11382.0	2303.0	20.2
	Other	48461	41846.0	6615.0	15.8
	Other Asian	57897	50939.0	6958.0	13.7
	British or Mixed British	2540083	2208773.0	331310.0	15.0
	Indian or British Indian	110726	95515.0	15211.0	15.9
	Irish	15967	14014.0	1953.0	13.9
	Other Black	14231	12341.0	1890.0	15.3
	Other White	214788	183687.0	31101.0	16.9
	Other mixed	14917	13034.0	1883.0	14.4
	Pakistani or British Pakistani	64386	55076.0	9310.0	16.9
	Unknown	338632	279447.0	59185.0	21.2
	White + Asian	9702	8554.0	1148.0	13.4
	White + Black African	8155	7224.0	931.0	12.9
	White + Black Caribbean	8729	7658.0	1071.0	14.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	631414	545510.0	85904.0	15.7
	2	674142	582729.0	91413.0	15.7
	3	736099	640241.0	95858.0	15.0
	4	718529	619871.0	98658.0	15.9
	5 Least deprived	680365	583149.0	97216.0	16.7
	Unknown	93408	81669.0	11739.0	14.4
BMI	30+	824698	741104.0	83594.0	11.3
	under 30	2709259	2312072.0	397187.0	17.2
Chronic cardiac disease	no	3438540	2963247.0	475293.0	16.0
	yes	95417	89922.0	5495.0	6.1
Current COPD	no	3504991	3025855.0	479136.0	15.8

Category	Group	Vaccinated at 01 Apr (n)	Previous week's vaccination figure (n)	Vaccinated over last 7 d (n)	Increase in coverage over last 7 d (%)
DMARDs	yes	28966	27321.0	1645.0	6.0
	no	3483669	3006381.0	477288.0	15.9
	yes	50281	46788.0	3493.0	7.5
SSRI (last 12 months)	no	3020395	2594998.0	425397.0	16.4
	yes	513562	458178.0	55384.0	12.1

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+	1125803	94.3
70-79	2067072	92.9
care home	83615	97.4
shielding (aged 16-69)	824432	96.0
65-69	1071581	90.4
LD (aged 16-64)	81004	91.8
60-64	1276625	88.8
55-59	1508087	88.5