

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 13 May 2021

Vaccinations included up to 05 May 2021 inclusive

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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

		first dose as at 05 May 2021	second dose as at 05 May 2021
Group			
Total vaccinated in TPP		11,944,121	5,560,058
80+	96.1% (1,075,921 of 1,119,020)	91.2% (1,019,984 of 1,119,020)	
70-79	95.6% (1,978,725 of 2,069,081)	88.6% (1,832,516 of 2,069,081)	
care home	96.4% (81,543 of 84,623)	86.7% (73,395 of 84,623)	
shielding (aged 16-69)	87.6% (725,116 of 827,890)	54.2% (448,854 of 827,890)	
65-69	92.7% (995,225 of 1,073,730)	51.7% (554,645 of 1,073,730)	
LD (aged 16-64)	81.5% (66,689 of 81,809)	22.1% (18,081 of 81,809)	
60-64	90.3% (1,155,217 of 1,278,998)	20.5% (261,821 of 1,278,998)	
55-59	87.9% (1,328,852 of 1,512,161)	17.2% (259,833 of 1,512,161)	
50-54	84.7% (1,324,337 of 1,562,890)	15.1% (235,781 of 1,562,890)	
16-49, not in other eligible groups shown		3,212,489	855,134

NB Patient counts are rounded to nearest 7

Vaccine types and second doses

Second doses (% of all vaccinated): **46.6%** (5,560,058)

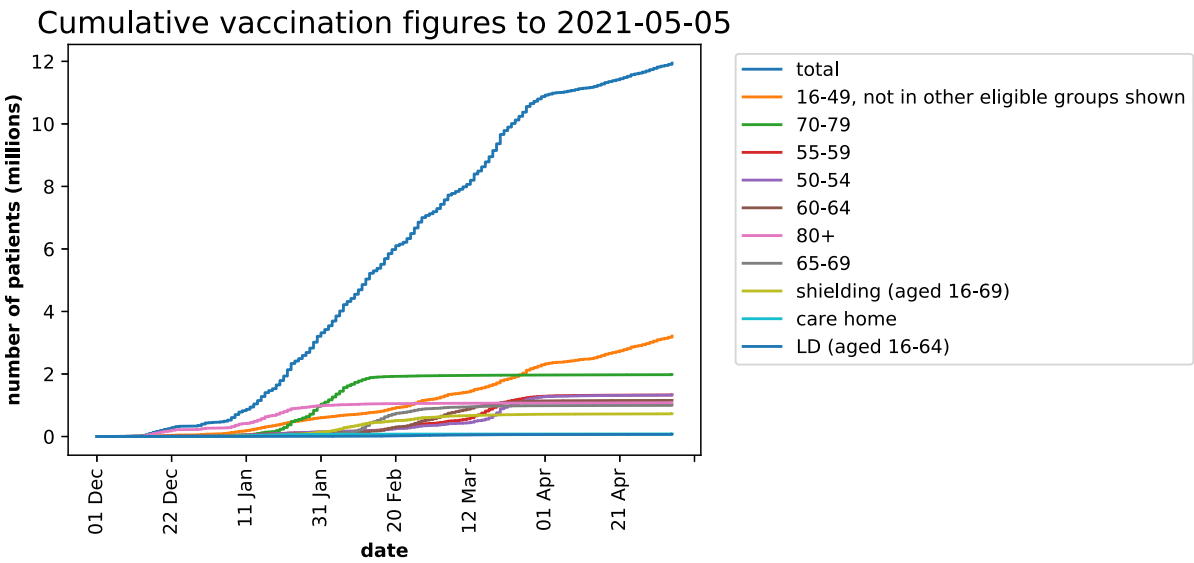
Oxford-AZ vaccines (% of all first doses): **67.1%** (8,010,618)

Moderna vaccines (% of all first doses): **0.4%** (53,417)

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/) (<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/learnedis/v1/) (<https://codelists.opensafely.org/codelist/primis-covid19-vacc-uptake/learnedis/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



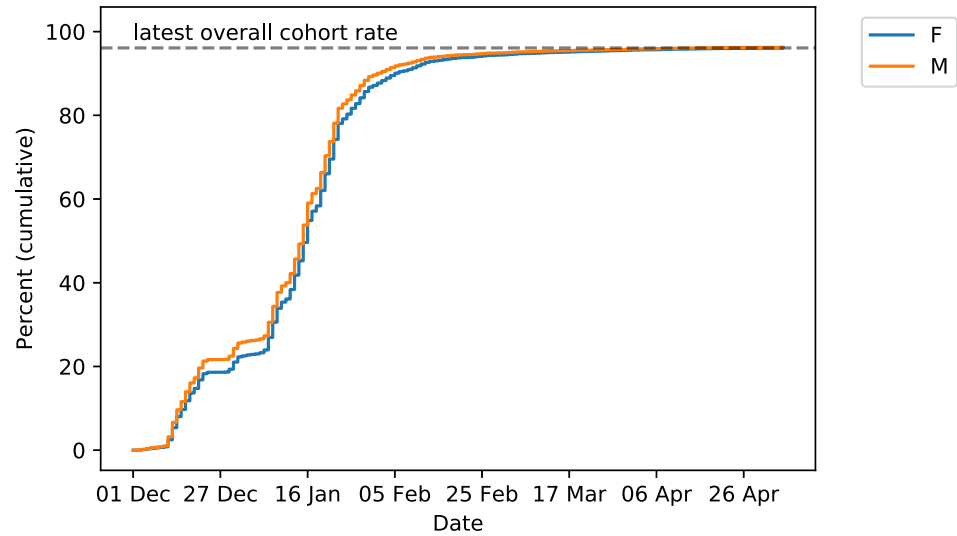
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

**Latest overall cohort rate calculated as at latest date for vaccinations recorded across all TPP practices.*

80+ population

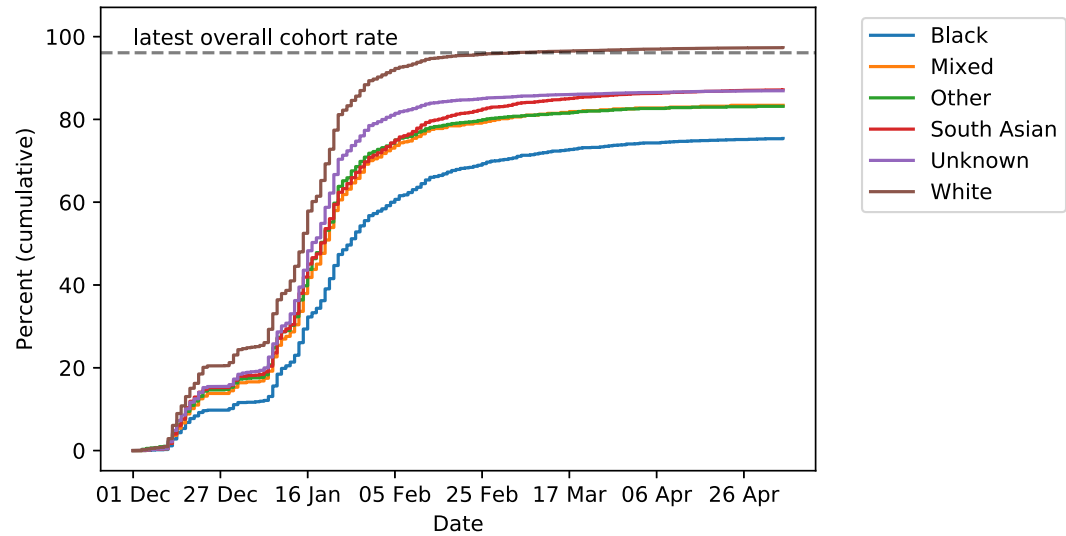
COVID vaccinations among 80+ population

by Sex



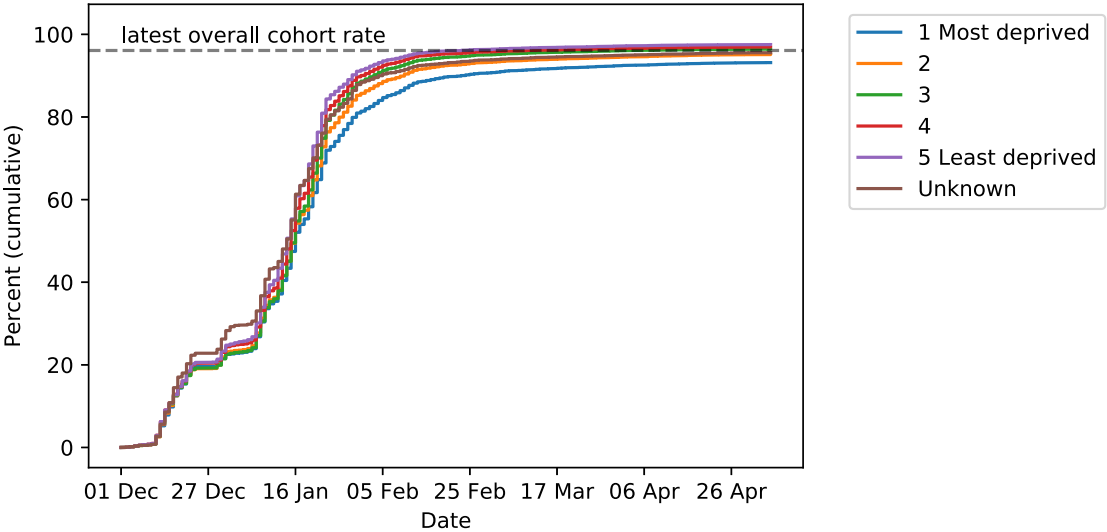
COVID vaccinations among 80+ population

by Ethnicity (broad categories)



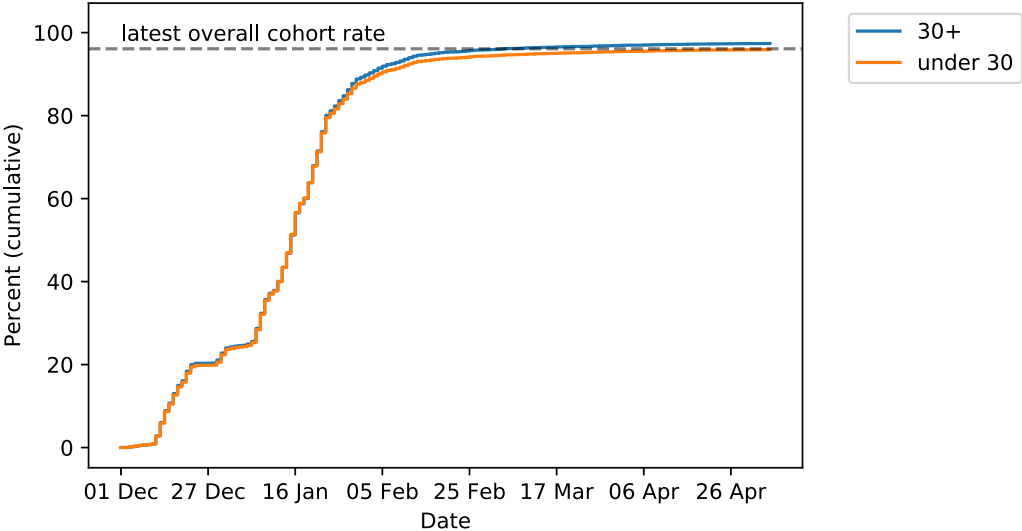
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)



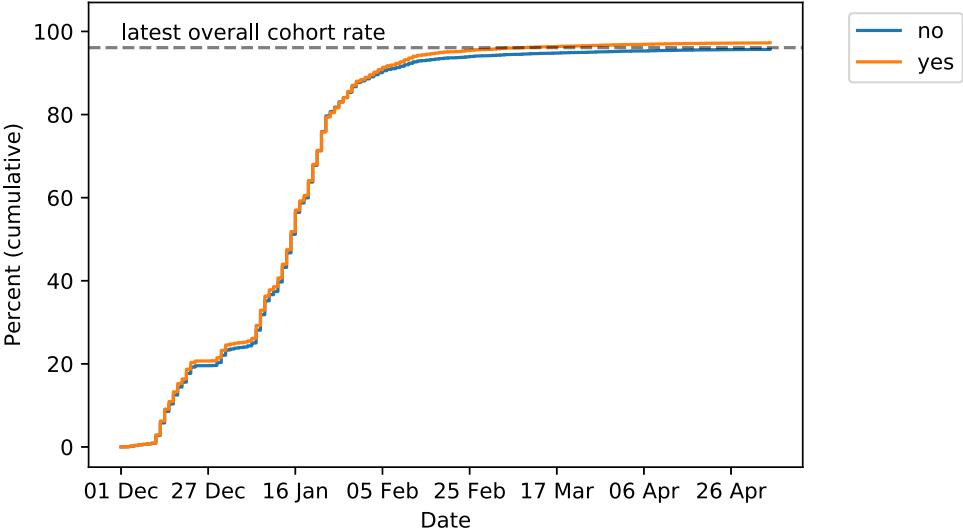
COVID vaccinations among 80+ population

by BMI



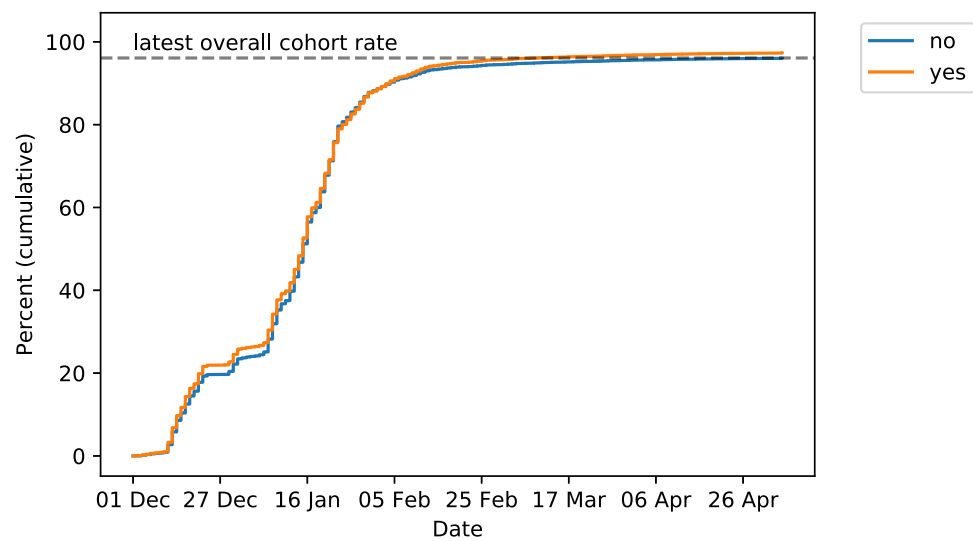
COVID vaccinations among 80+ population

by Chronic cardiac disease



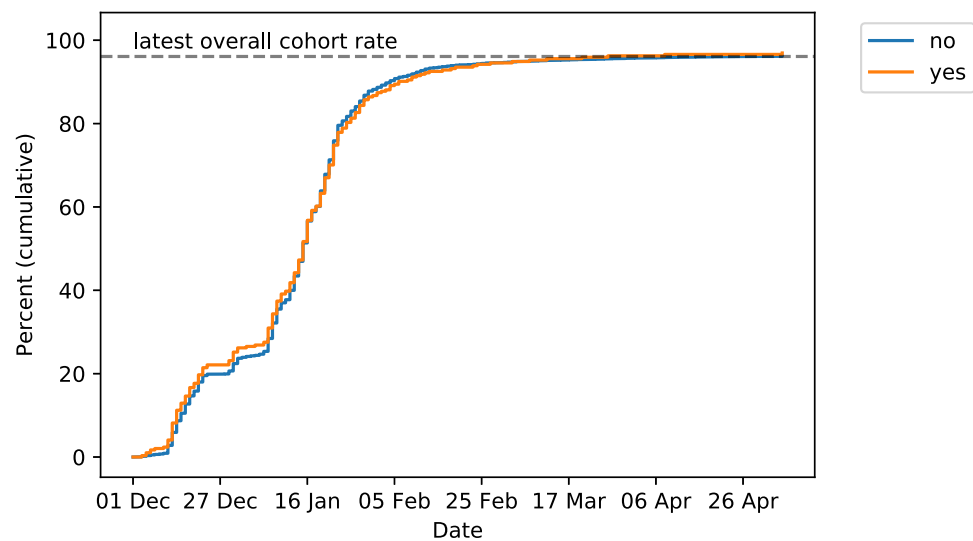
COVID vaccinations among 80+ population

by Current COPD



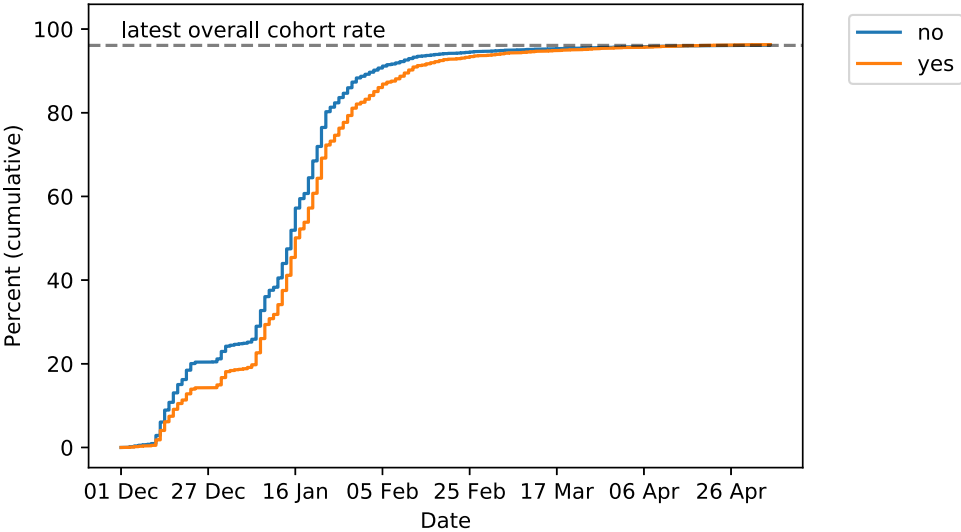
COVID vaccinations among 80+ population

by Dialysis



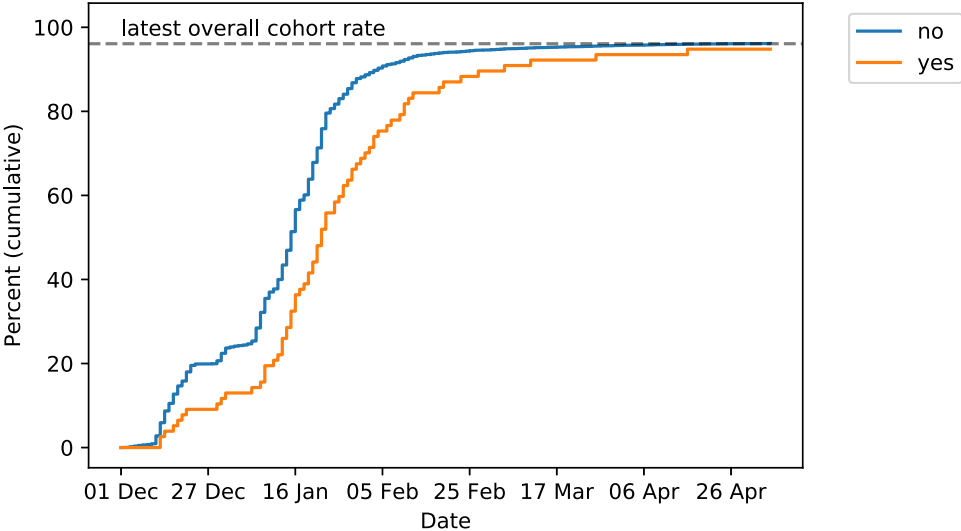
COVID vaccinations among 80+ population

by Dementia



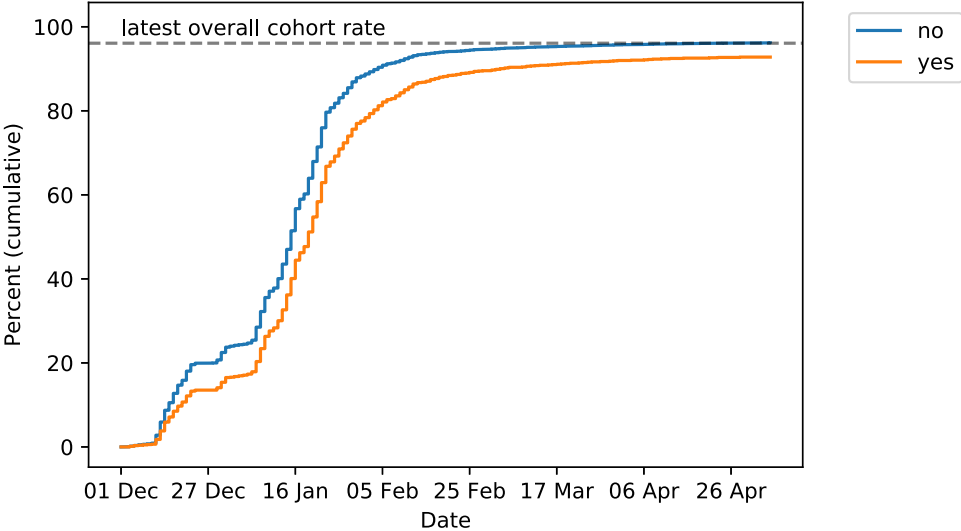
COVID vaccinations among 80+ population

by Learning disability



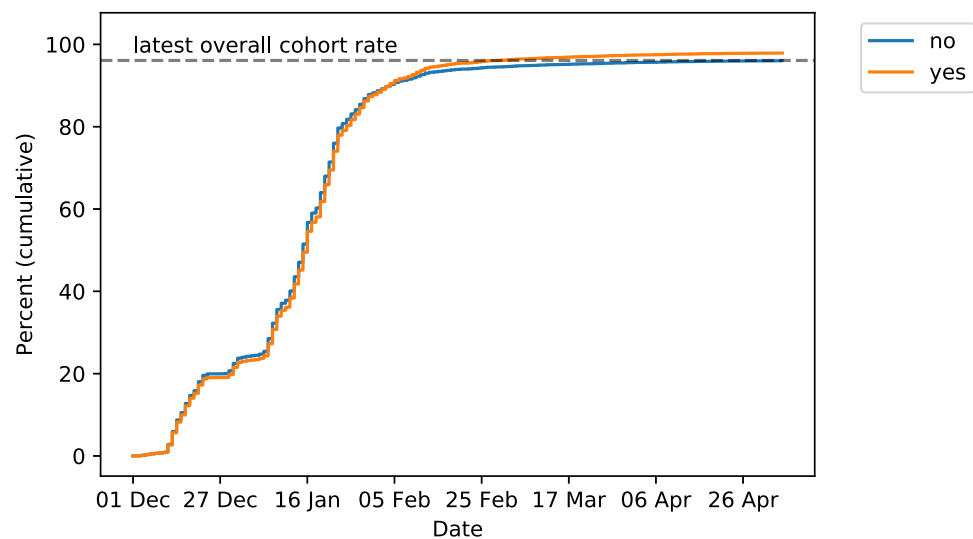
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar



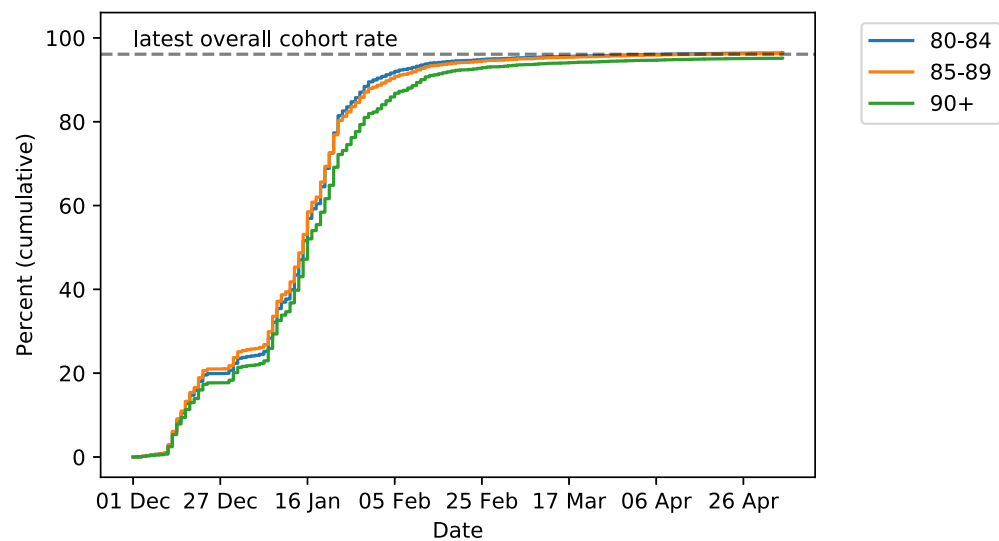
COVID vaccinations among 80+ population

by SSRI (last 12 months)



COVID vaccinations among 80+ population

by Age band



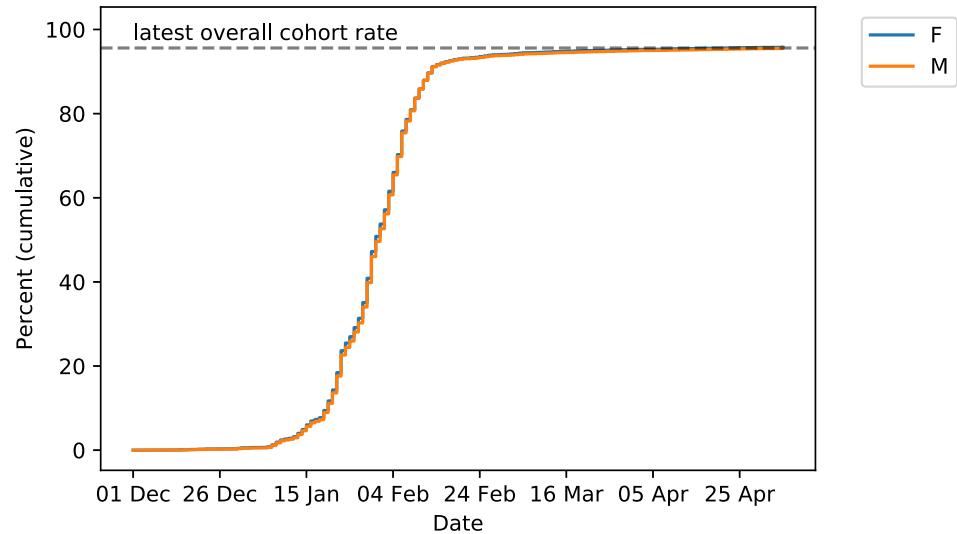
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

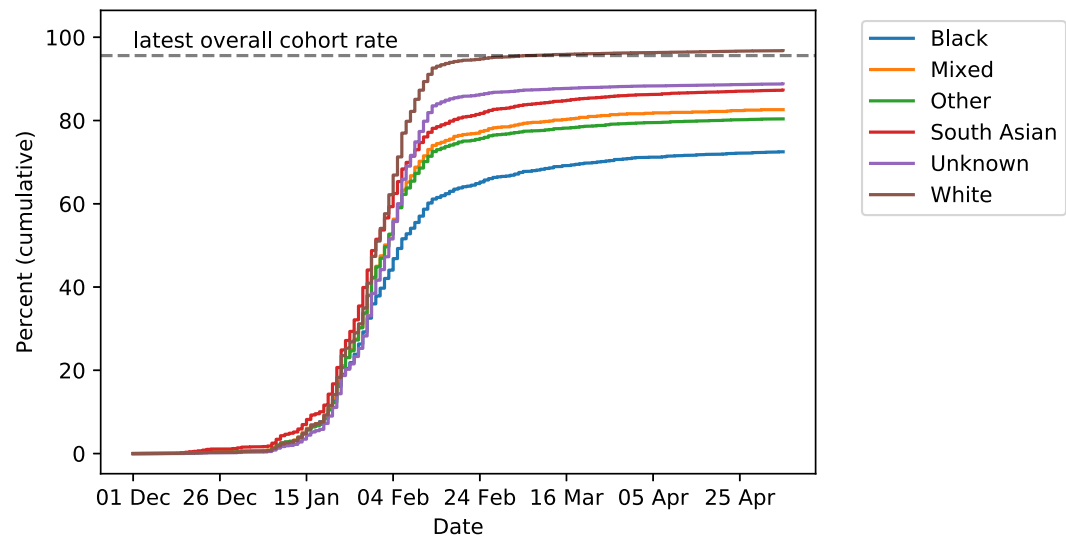
COVID vaccinations among 70-79 population

by Sex



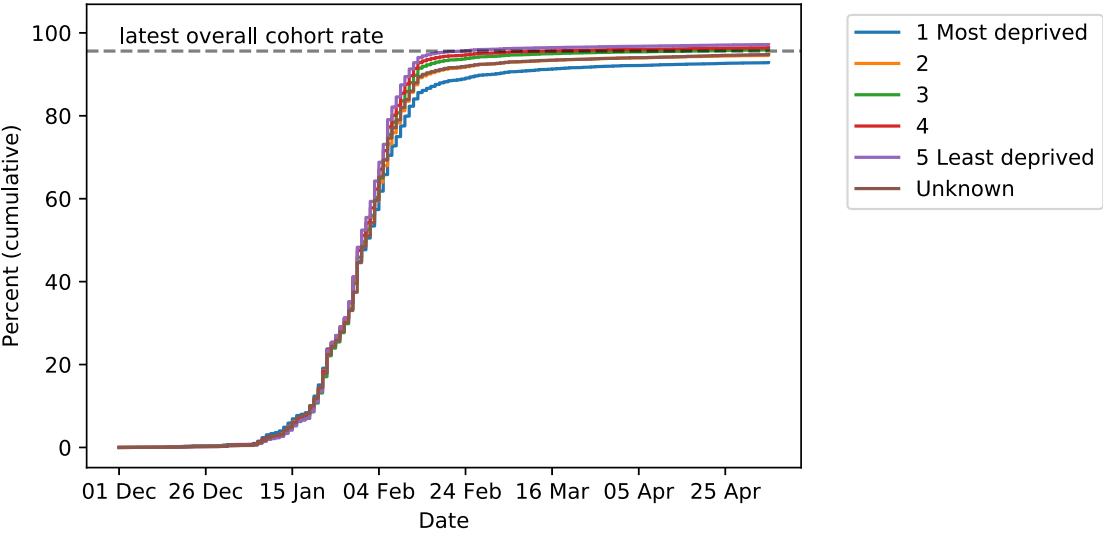
COVID vaccinations among 70-79 population

by Ethnicity (broad categories)



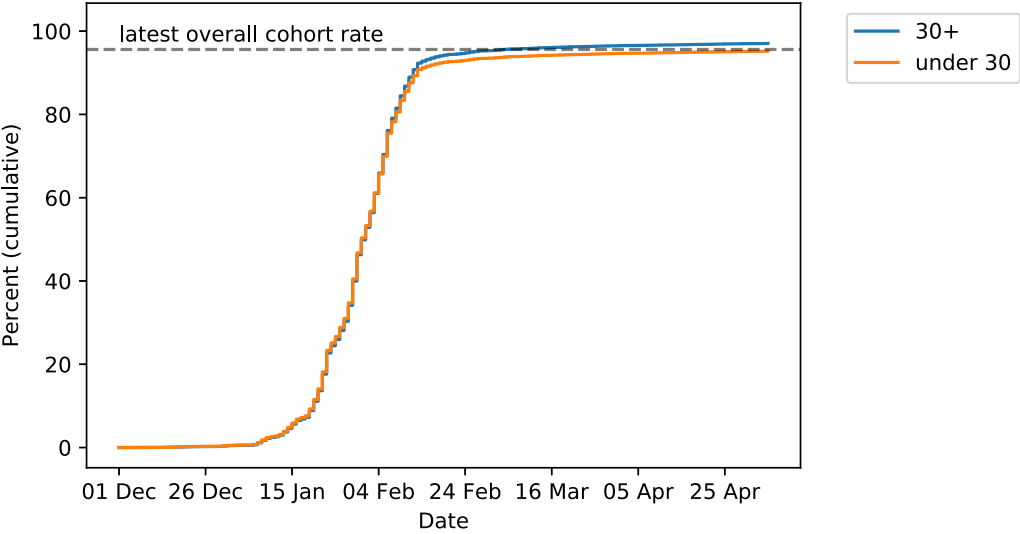
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)



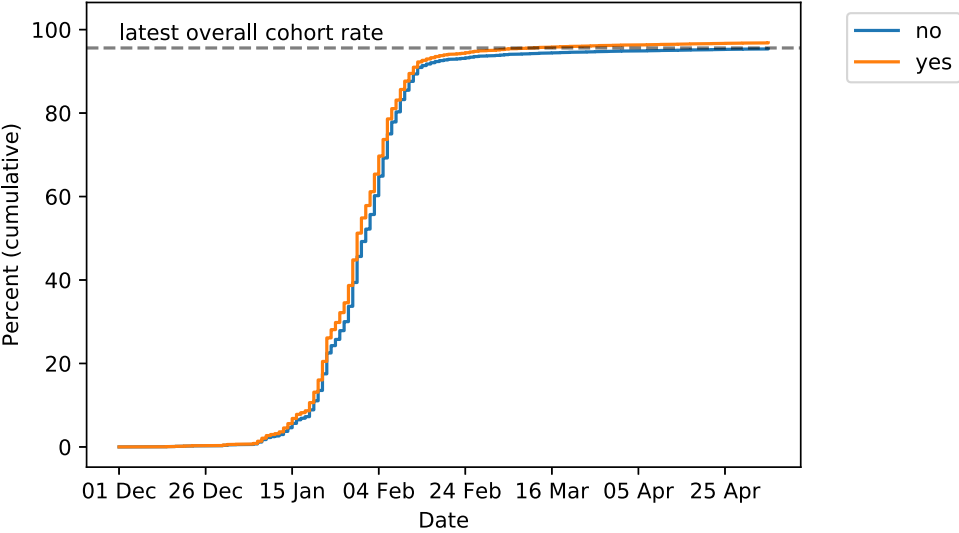
COVID vaccinations among 70-79 population

by BMI



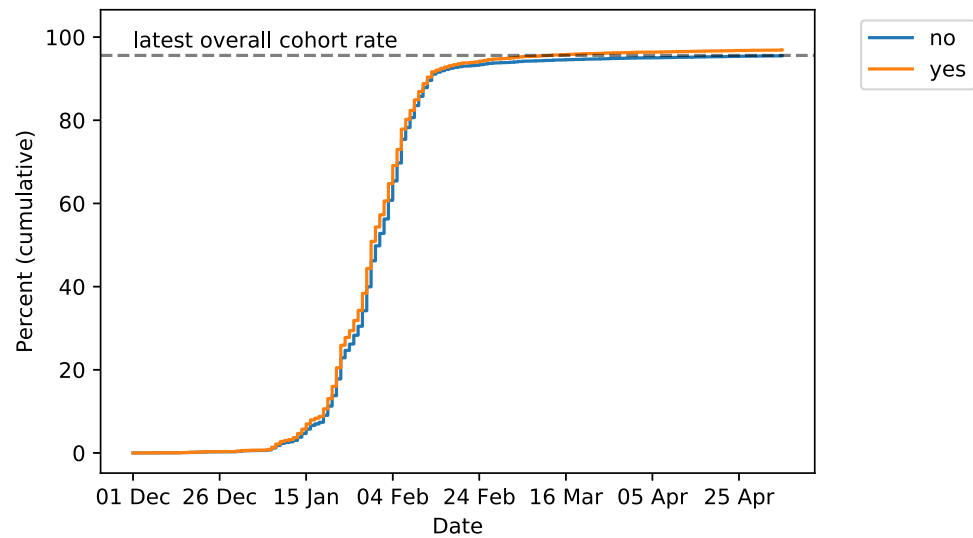
COVID vaccinations among 70-79 population

by Chronic cardiac disease



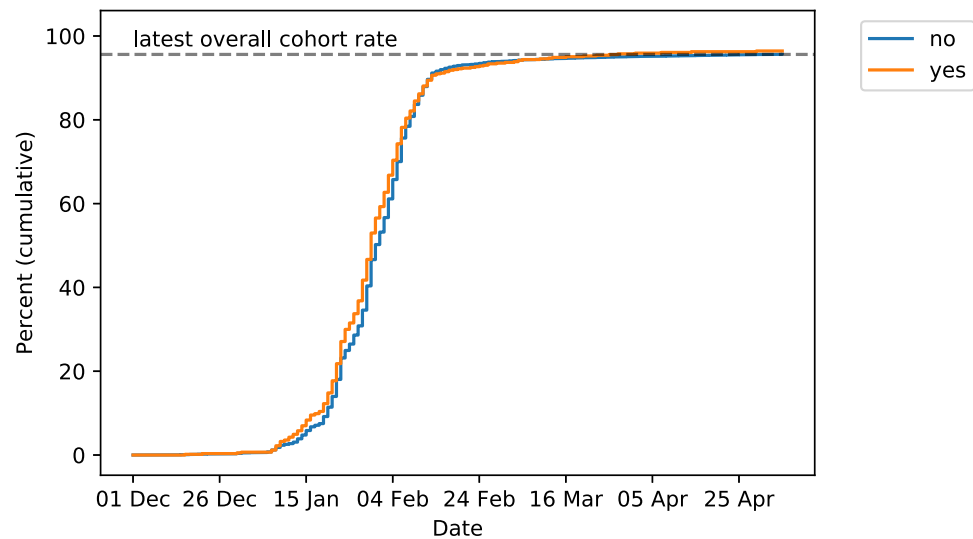
COVID vaccinations among 70-79 population

by Current COPD



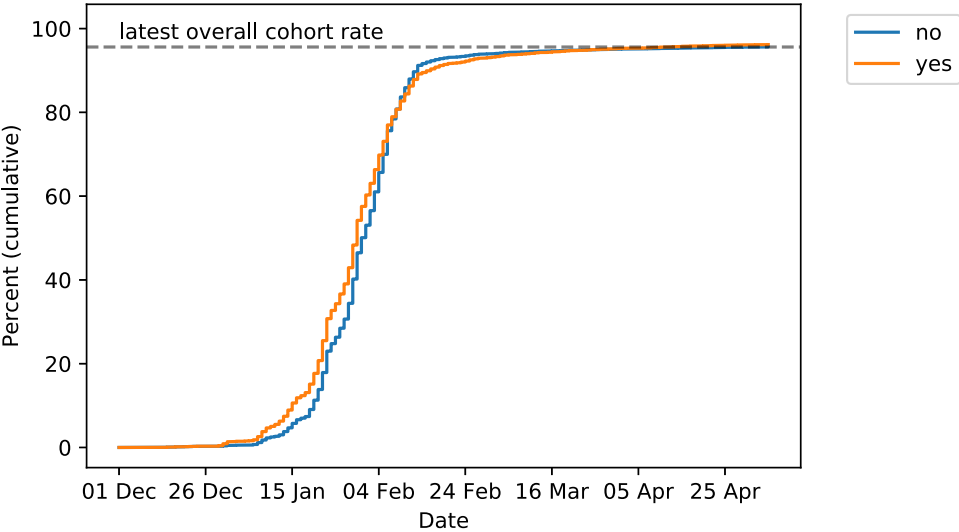
COVID vaccinations among 70-79 population

by Dialysis



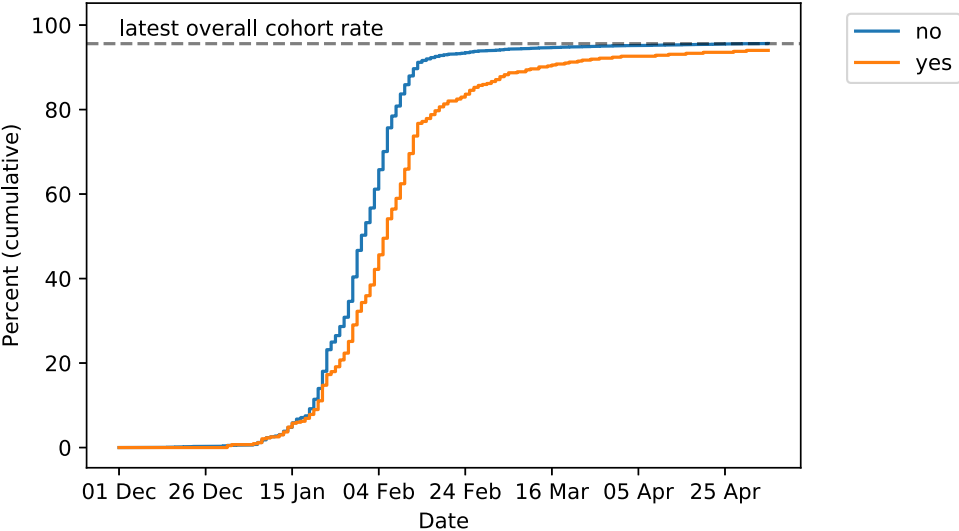
COVID vaccinations among 70-79 population

by Dementia



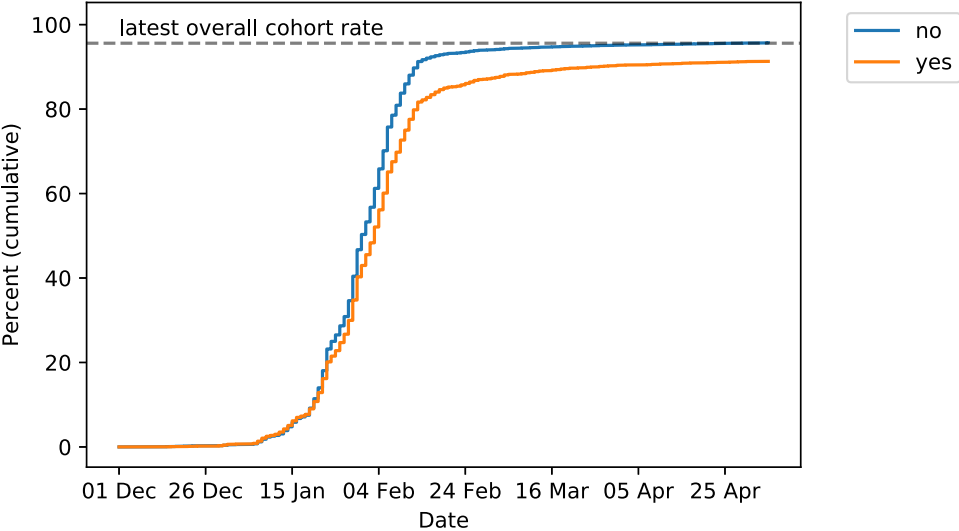
COVID vaccinations among 70-79 population

by Learning disability



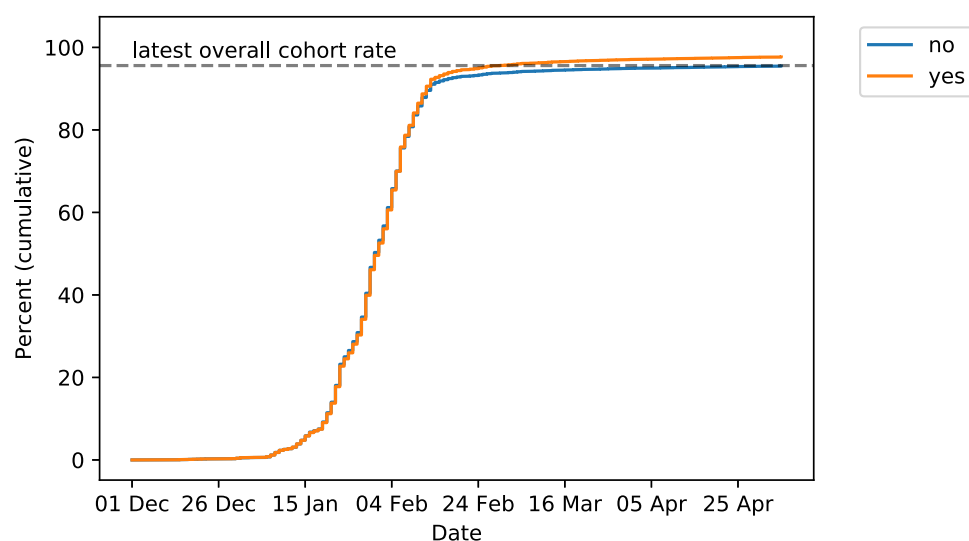
COVID vaccinations among 70-79 population

by Psychosis, schizophrenia, or bipolar



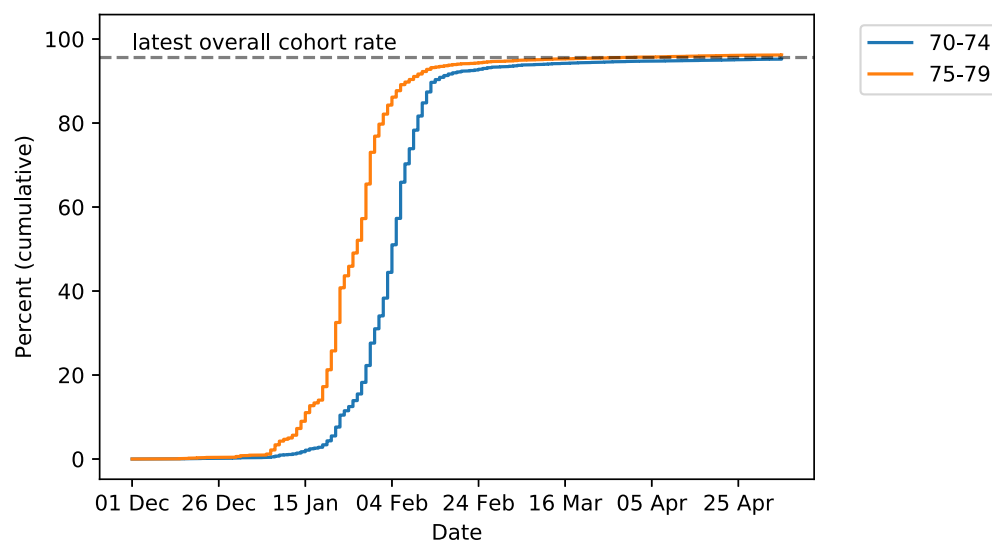
COVID vaccinations among 70-79 population

by SSRI (last 12 months)



COVID vaccinations among 70-79 population

by Age band



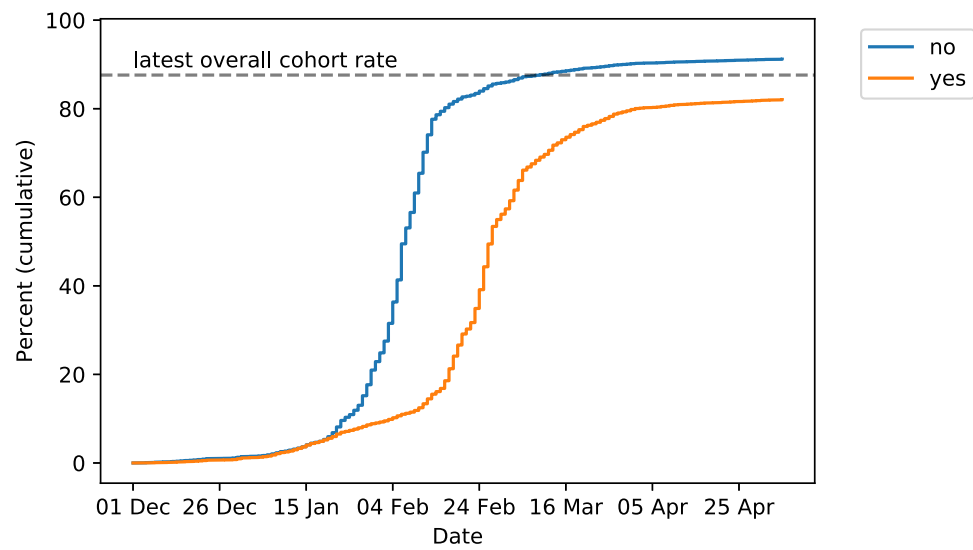
Trends in vaccination rates of shielding population according to demographic/clinical features, cumulatively by day.

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

Shielding population (aged 16-69)

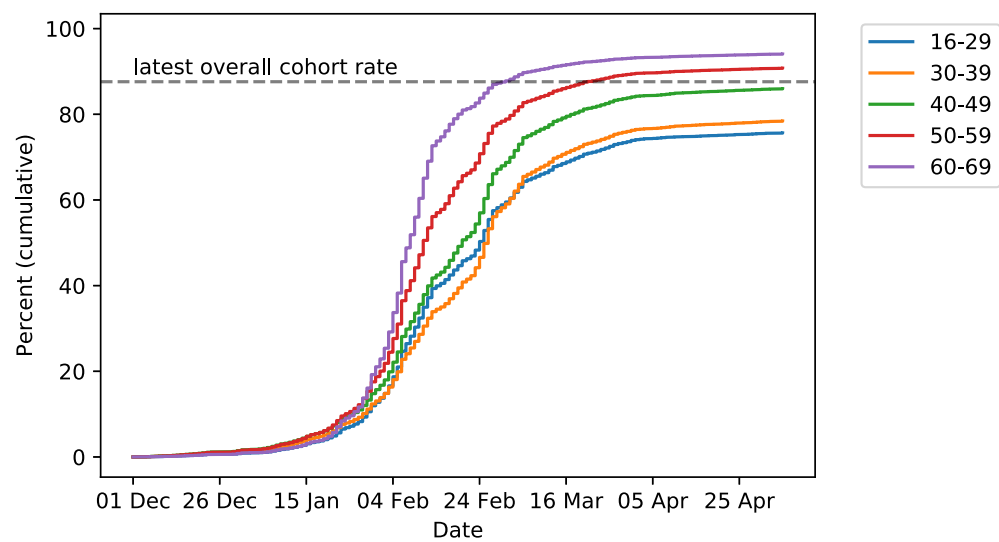
COVID vaccinations among shielding (aged 16-69) population

by newly shielded since feb 15



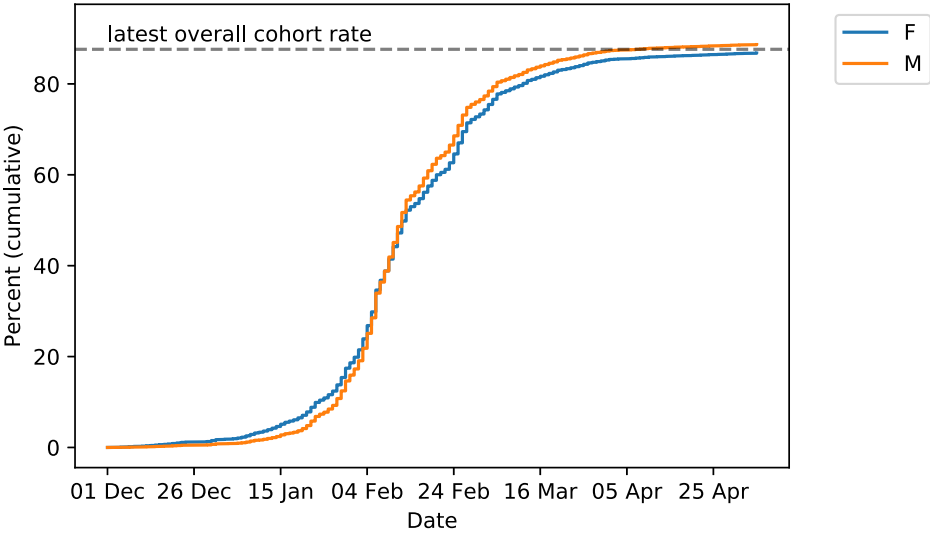
COVID vaccinations among shielding (aged 16-69) population

by Age band



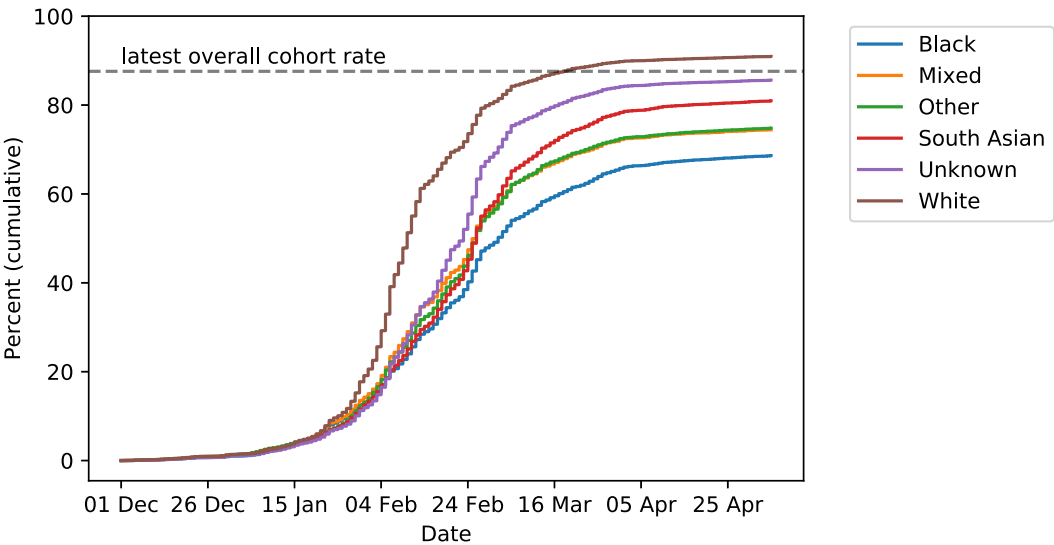
COVID vaccinations among shielding (aged 16-69) population

by Sex



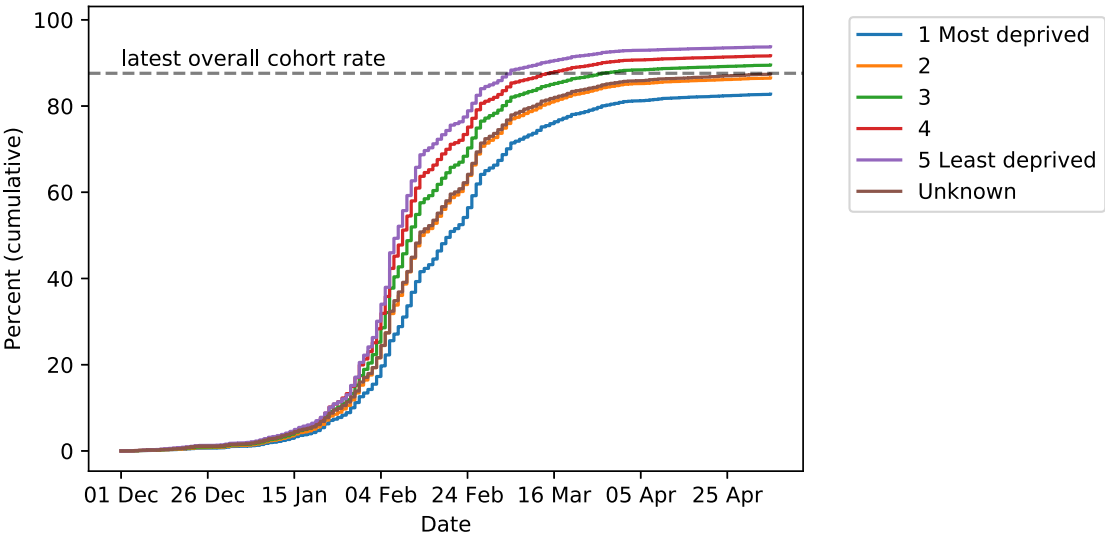
COVID vaccinations among shielding (aged 16-69) population

by Ethnicity (broad categories)

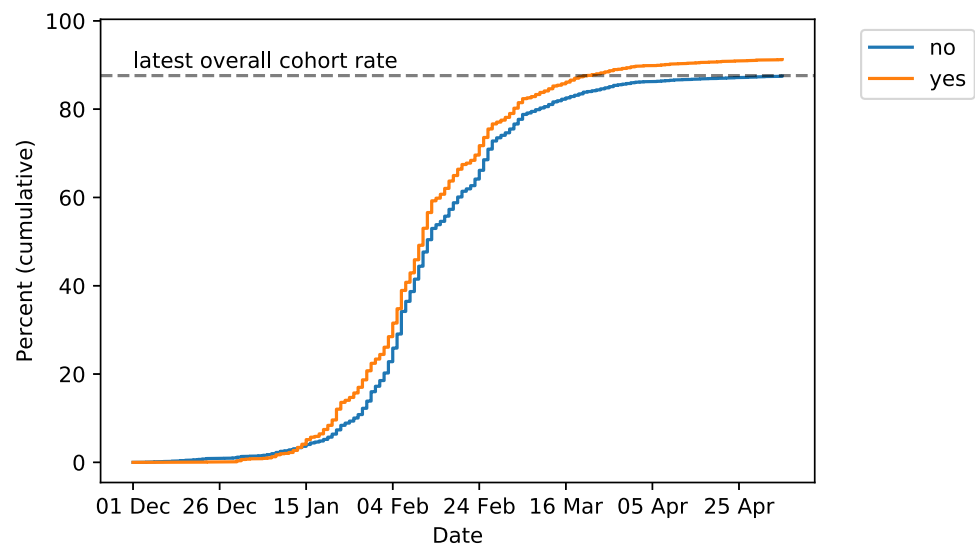


COVID vaccinations among shielding (aged 16-69) population

by Index of Multiple Deprivation (quintiles)



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



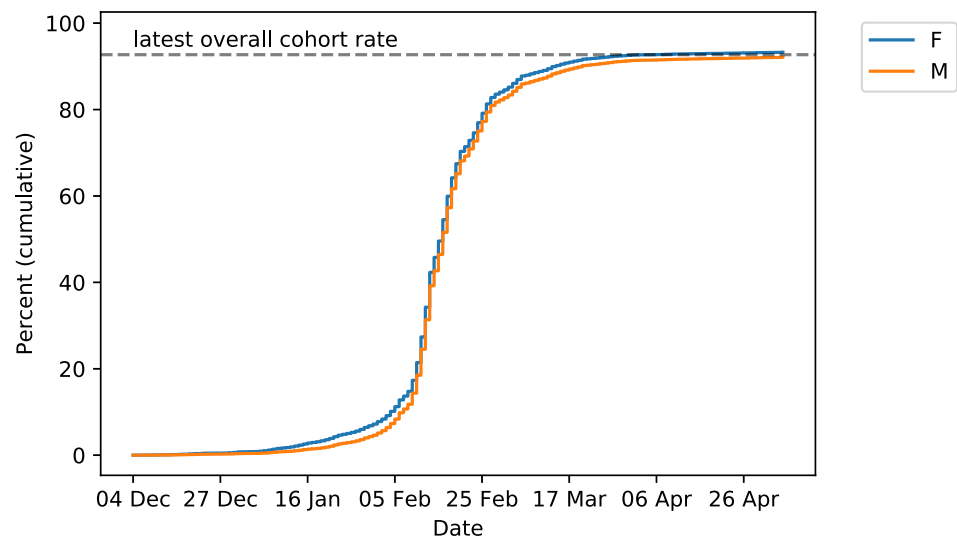
Trends in vaccination rates of 65-69 population according to demographic/clinical features, cumulatively by day.

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

65-69 population

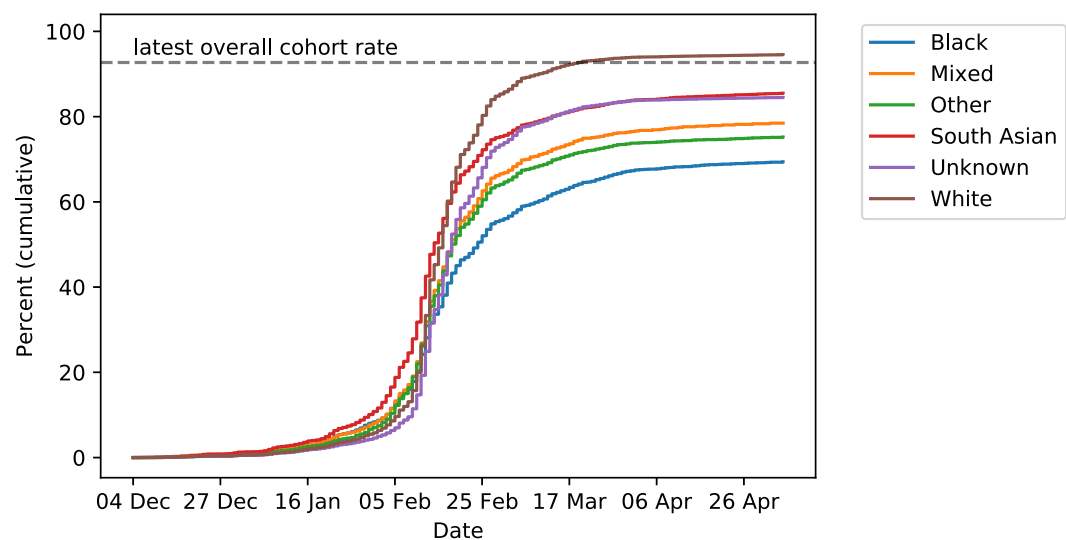
COVID vaccinations among 65-69 population

by Sex



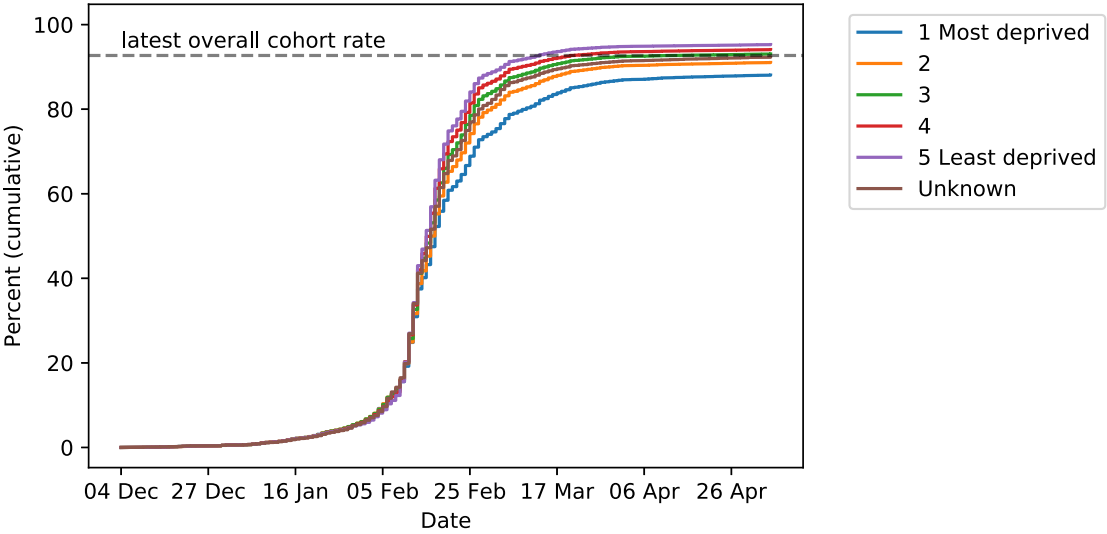
COVID vaccinations among 65-69 population

by Ethnicity (broad categories)



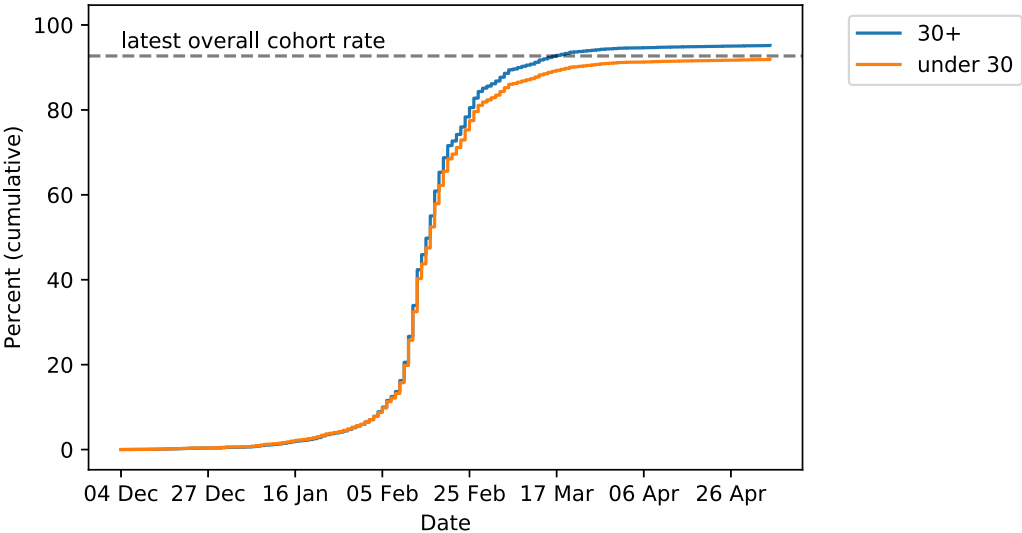
COVID vaccinations among 65-69 population

by Index of Multiple Deprivation (quintiles)



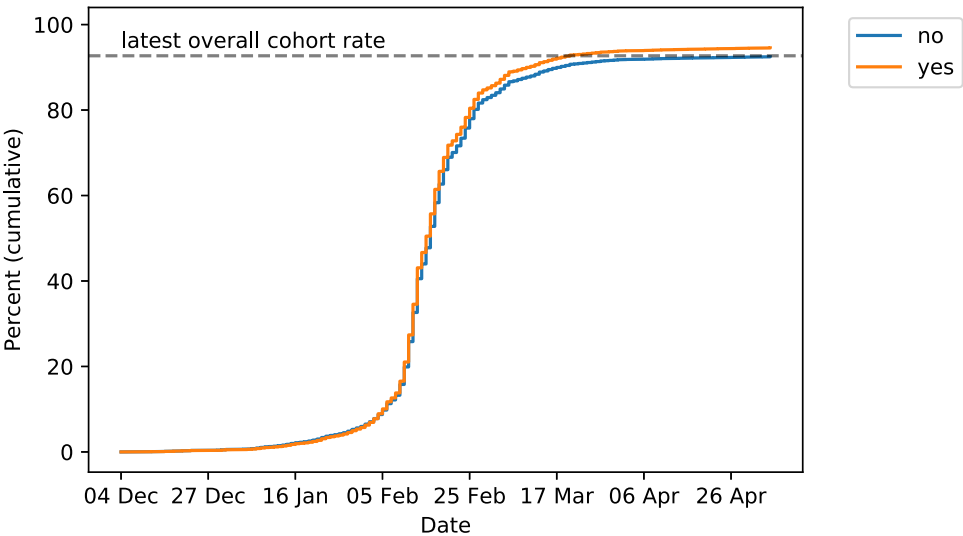
COVID vaccinations among 65-69 population

by BMI



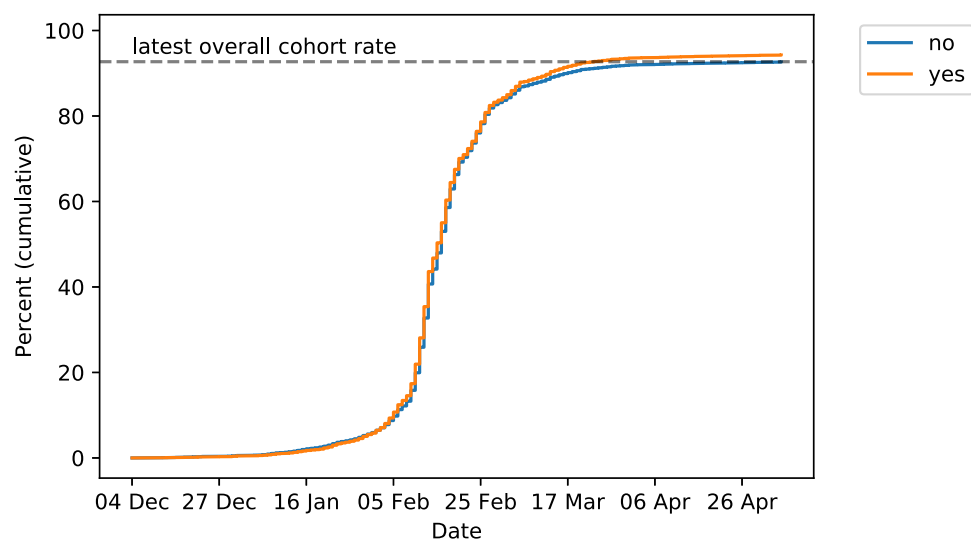
COVID vaccinations among 65-69 population

by Chronic cardiac disease



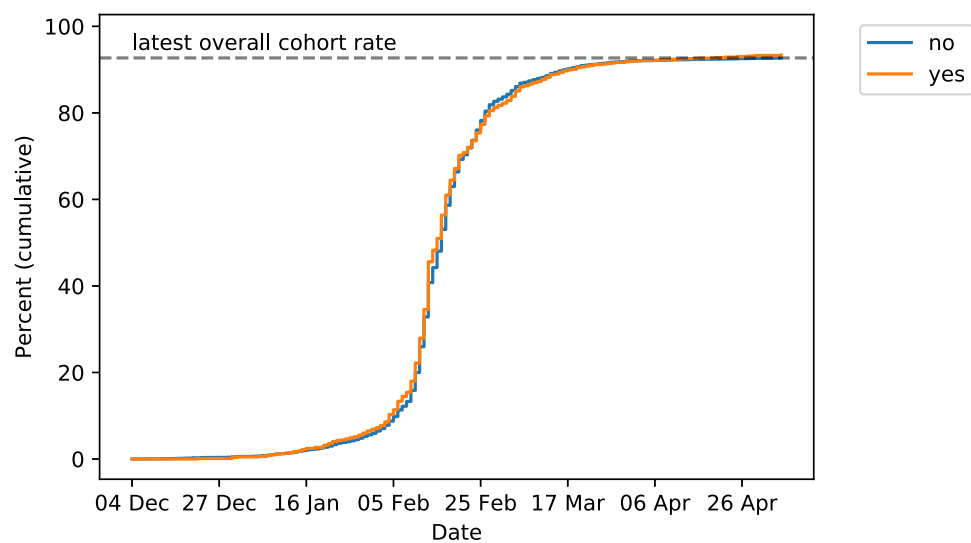
COVID vaccinations among 65-69 population

by Current COPD



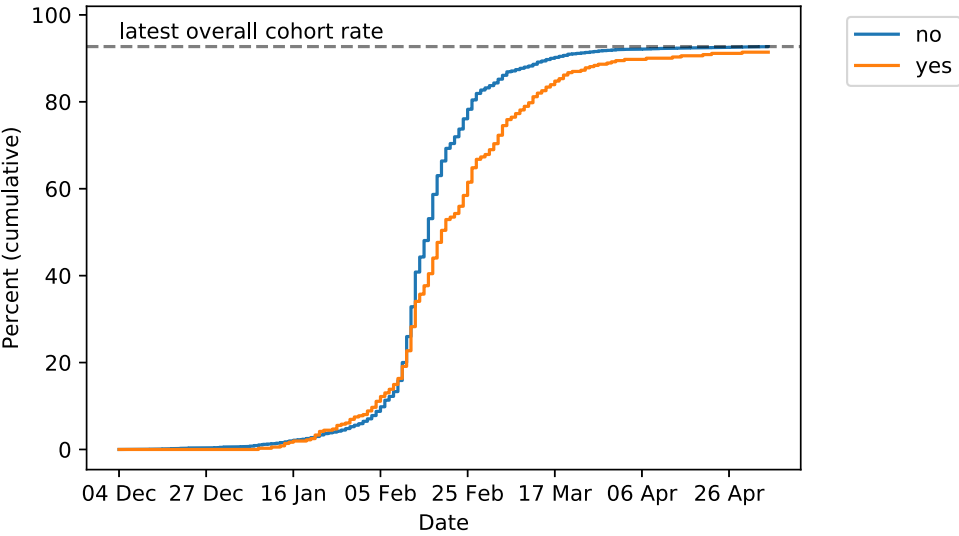
COVID vaccinations among 65-69 population

by Dementia



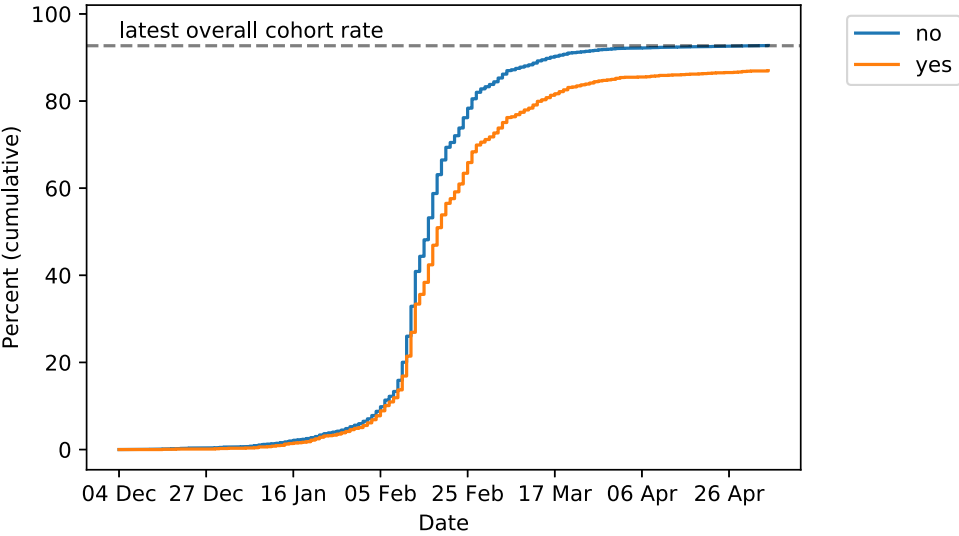
COVID vaccinations among 65-69 population

by Learning disability



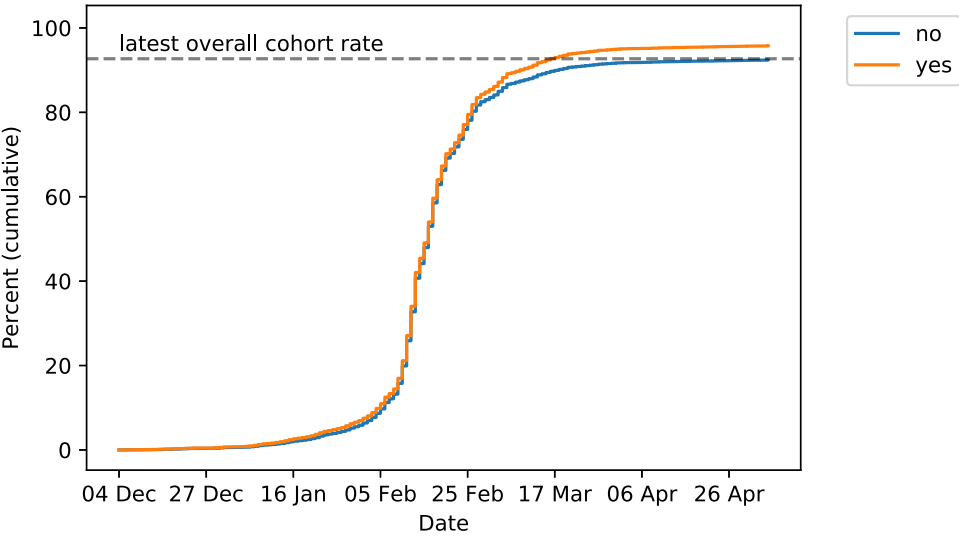
COVID vaccinations among 65-69 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 65-69 population

by SSRI (last 12 months)



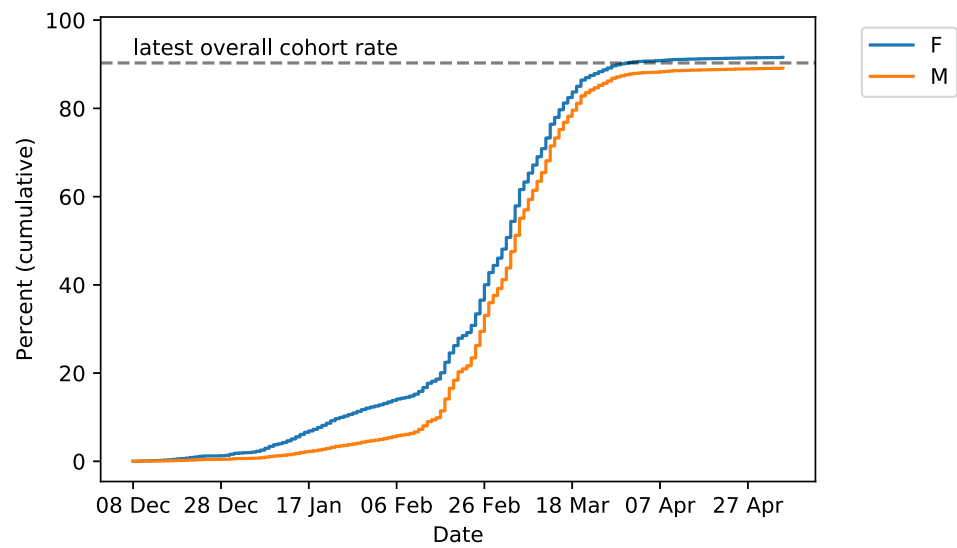
Trends in vaccination rates of 60-64 population according to demographic/clinical features, cumulatively by day.

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

60-64 population

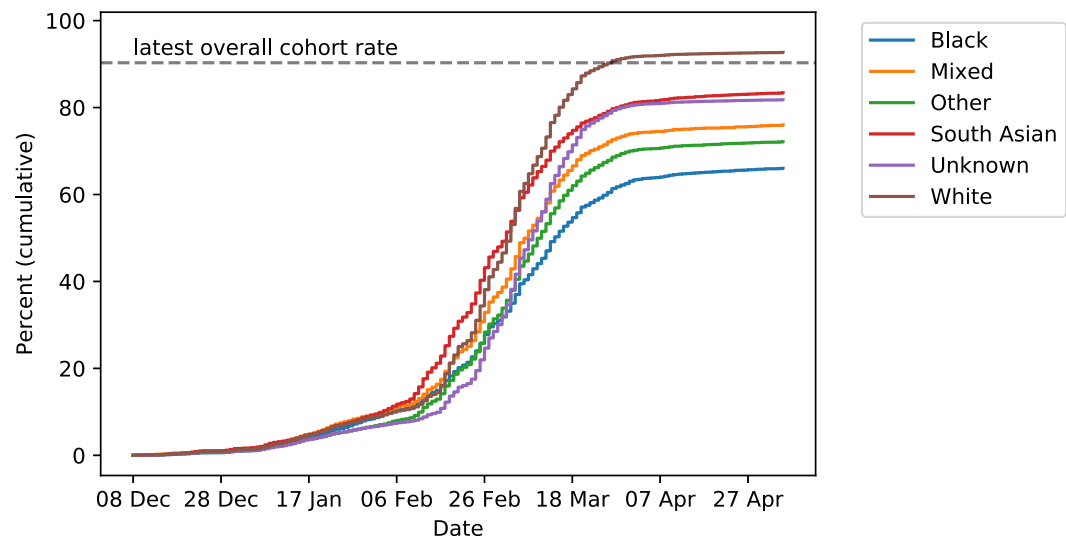
COVID vaccinations among 60-64 population

by Sex



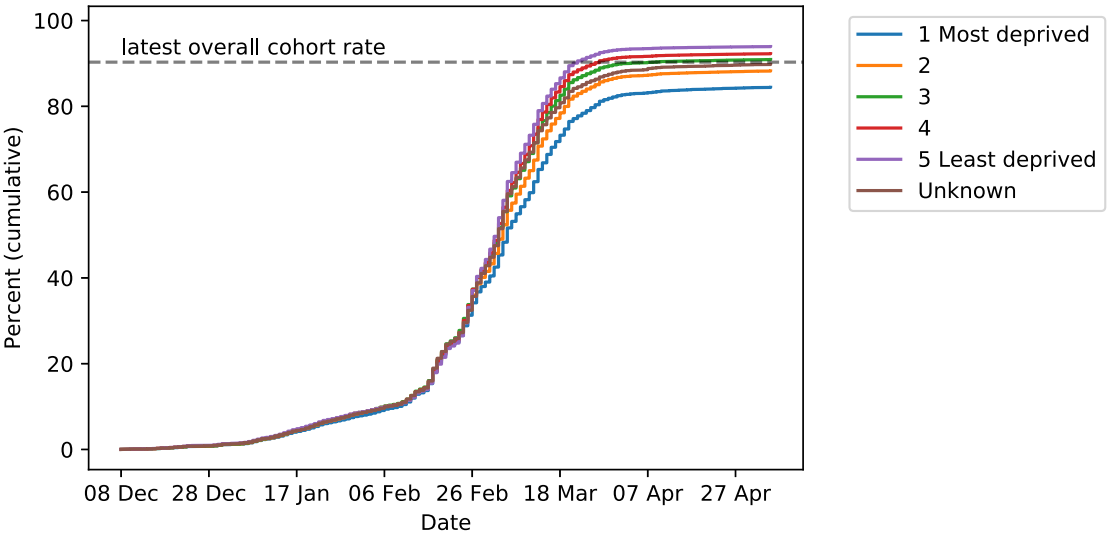
COVID vaccinations among 60-64 population

by Ethnicity (broad categories)



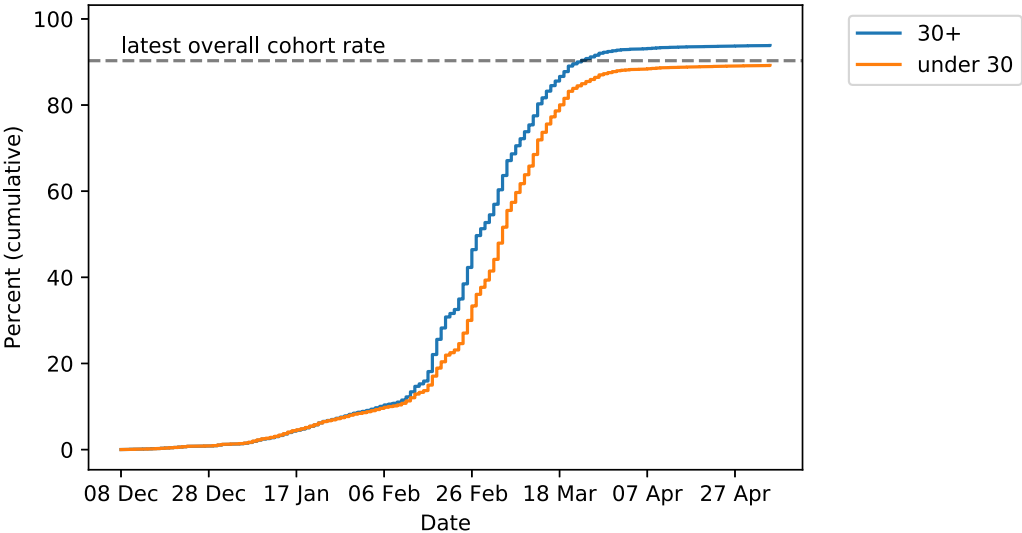
COVID vaccinations among 60-64 population

by Index of Multiple Deprivation (quintiles)



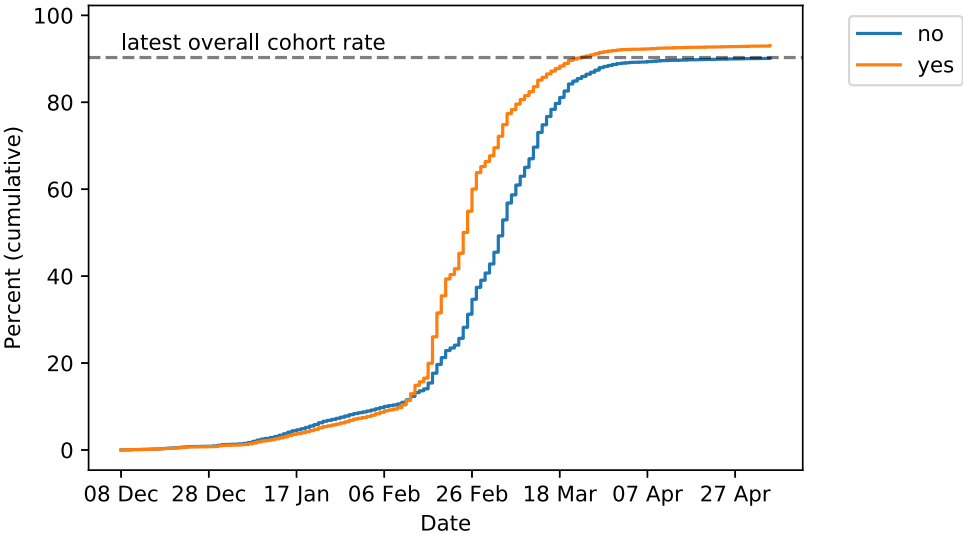
COVID vaccinations among 60-64 population

by BMI



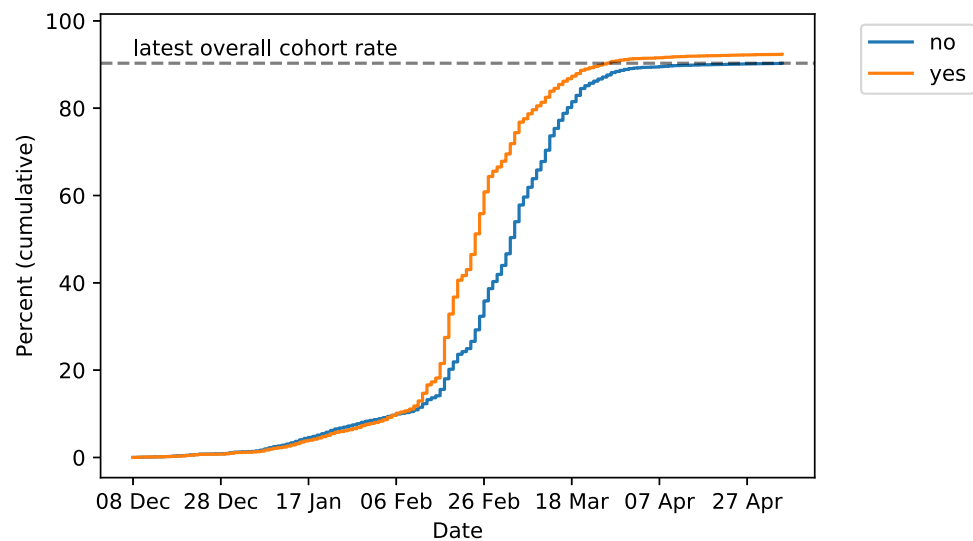
COVID vaccinations among 60-64 population

by Chronic cardiac disease



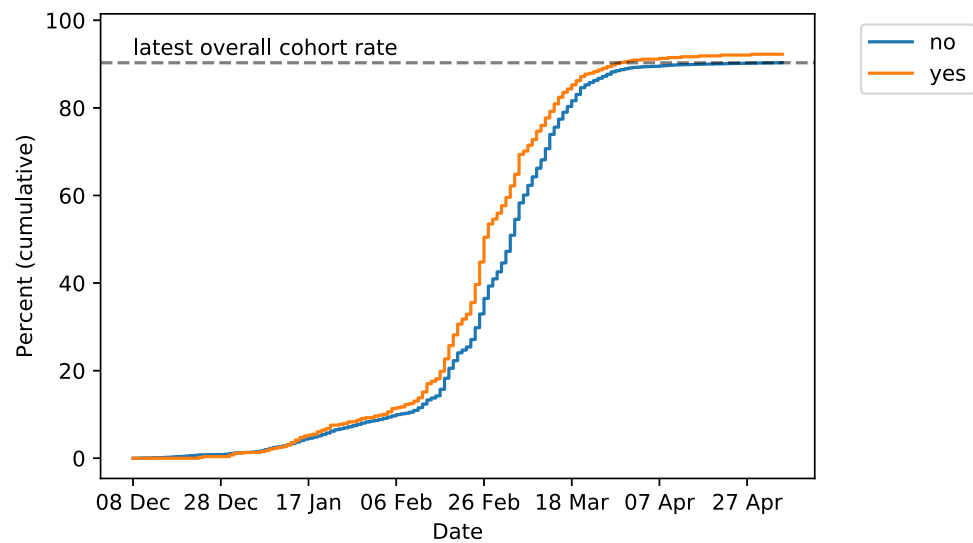
COVID vaccinations among 60-64 population

by Current COPD



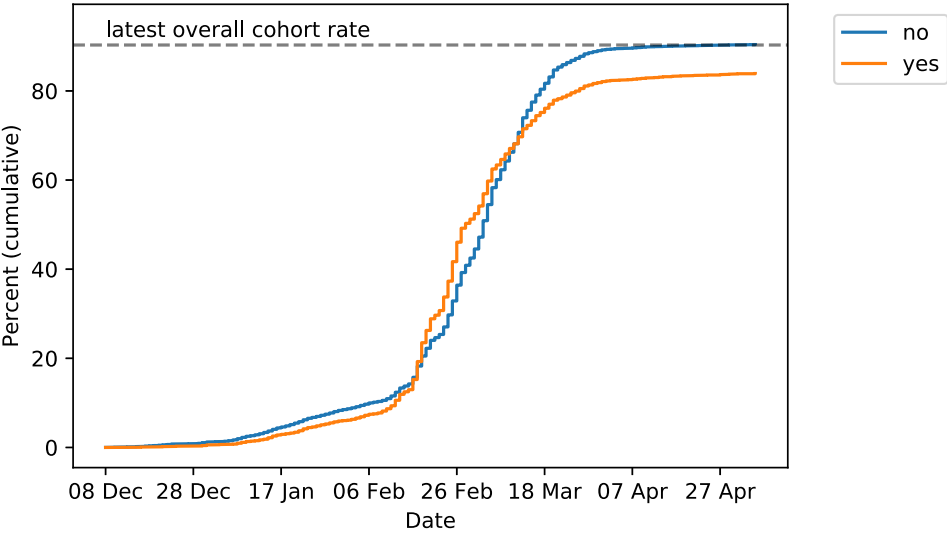
COVID vaccinations among 60-64 population

by Dementia



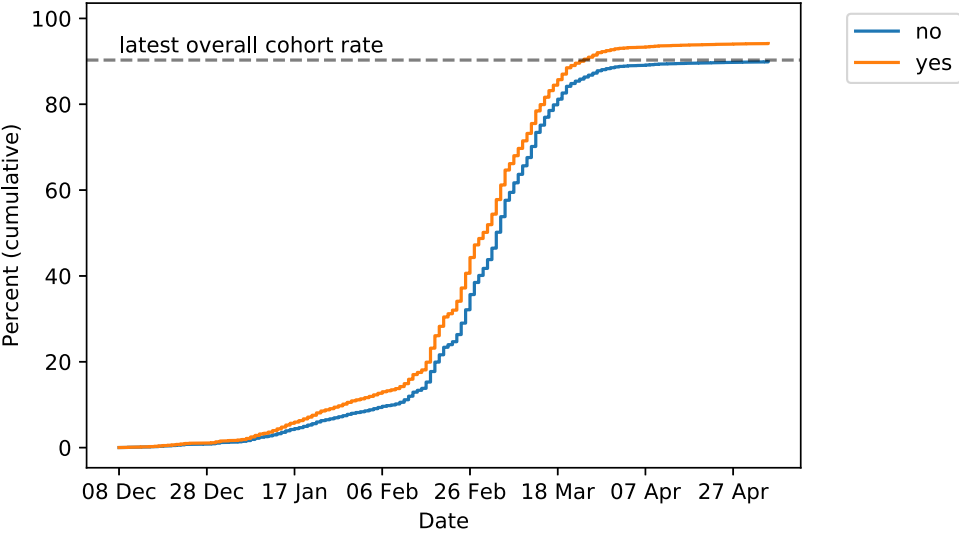
COVID vaccinations among 60-64 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 60-64 population

by SSRI (last 12 months)



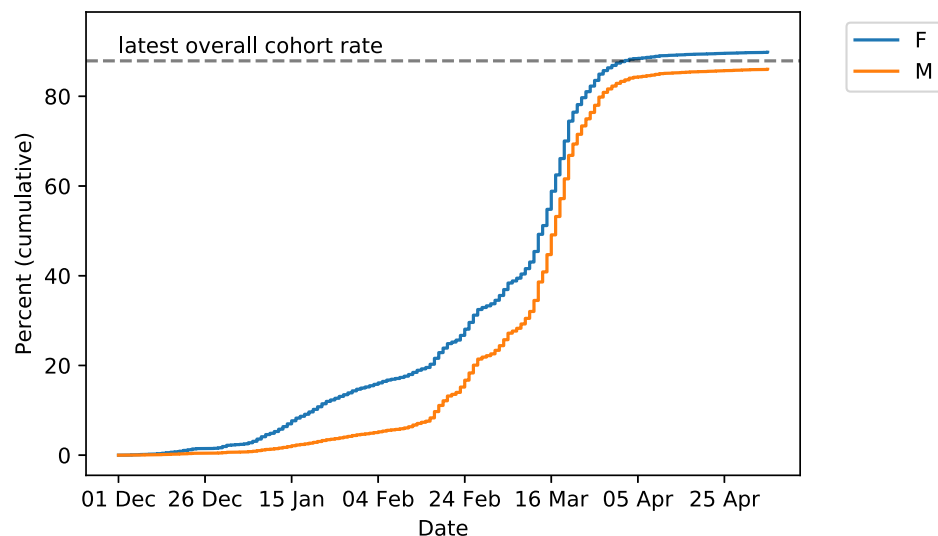
Trends in vaccination rates of 55-59 population according to demographic/clinical features, cumulatively by day.

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

55-59 population

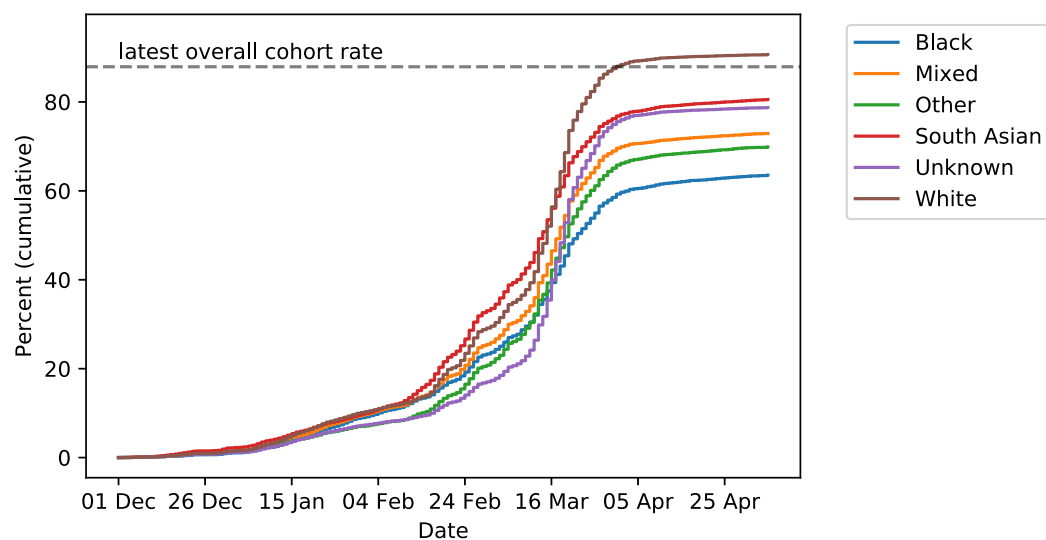
COVID vaccinations among 55-59 population

by Sex



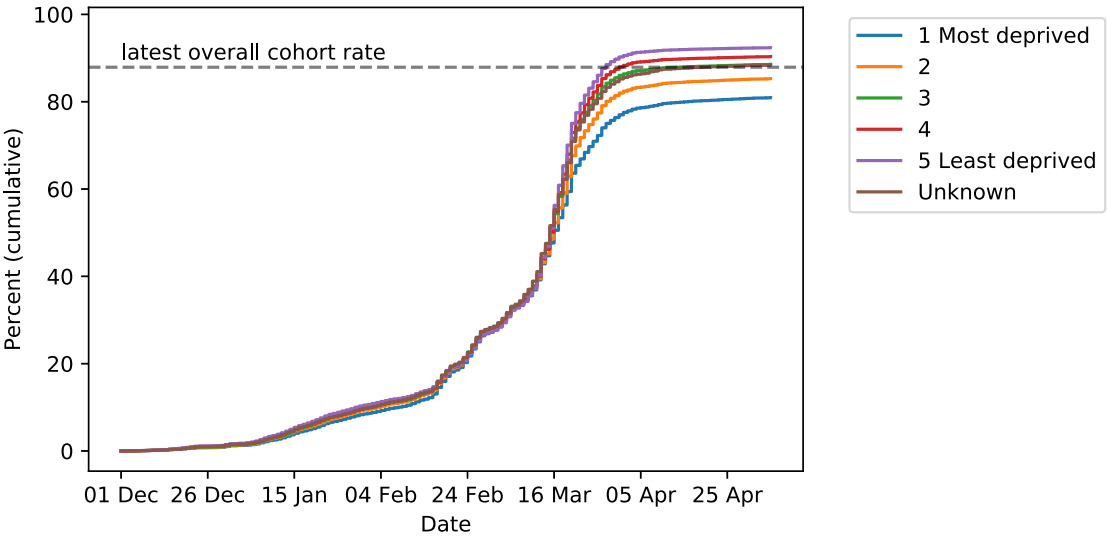
COVID vaccinations among 55-59 population

by Ethnicity (broad categories)



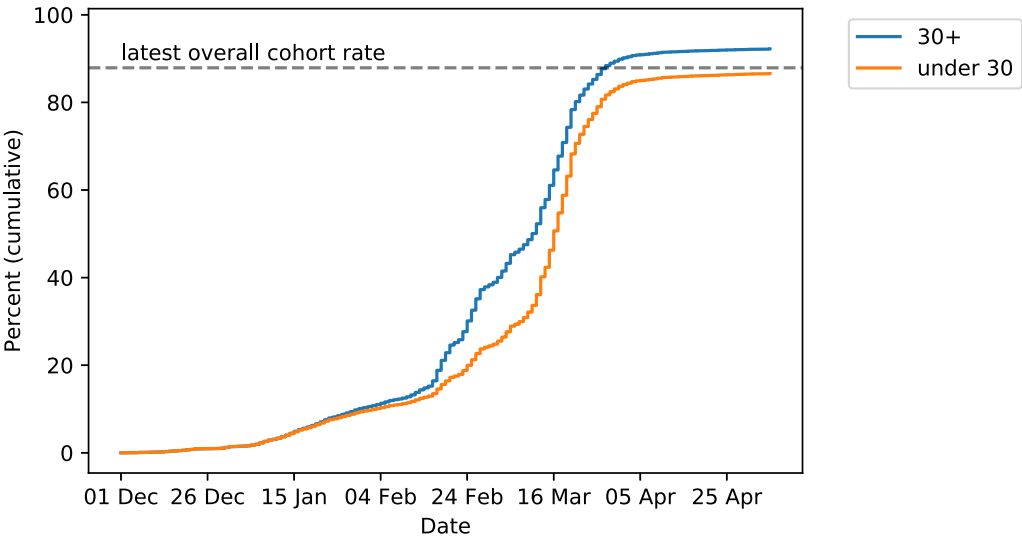
COVID vaccinations among 55-59 population

by Index of Multiple Deprivation (quintiles)



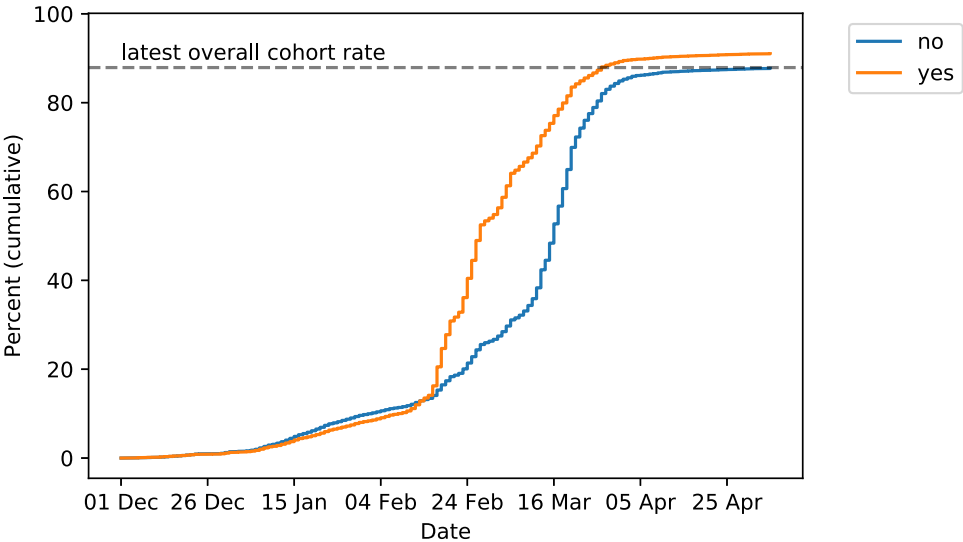
COVID vaccinations among 55-59 population

by BMI



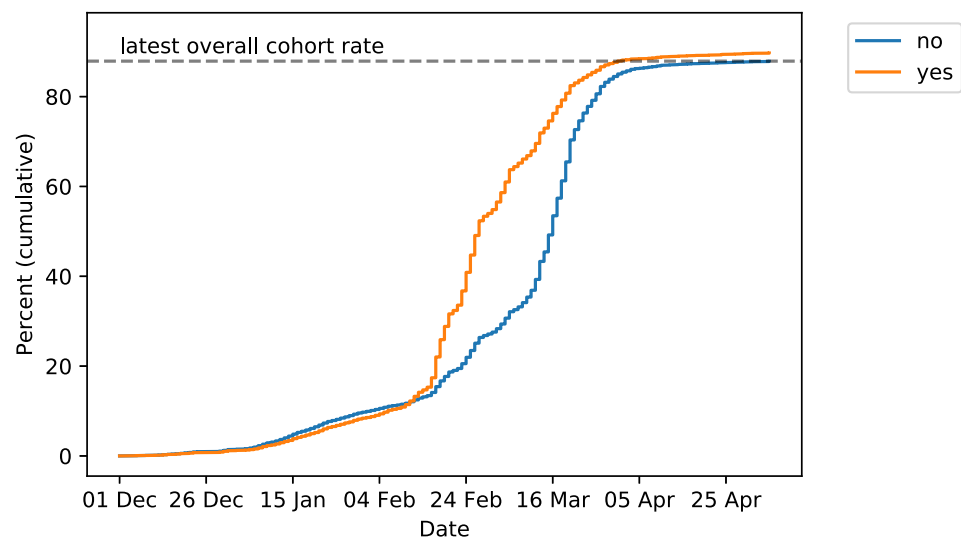
COVID vaccinations among 55-59 population

by Chronic cardiac disease



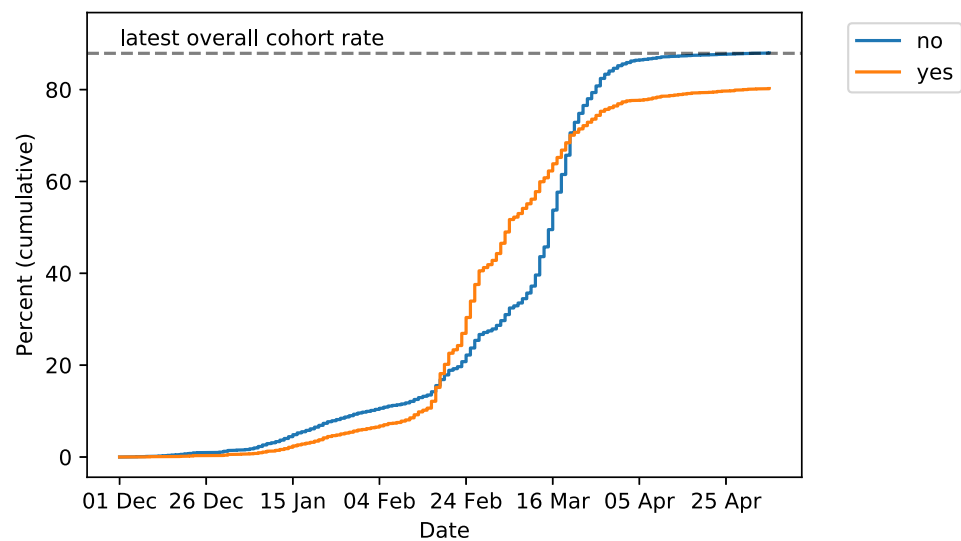
COVID vaccinations among 55-59 population

by Current COPD



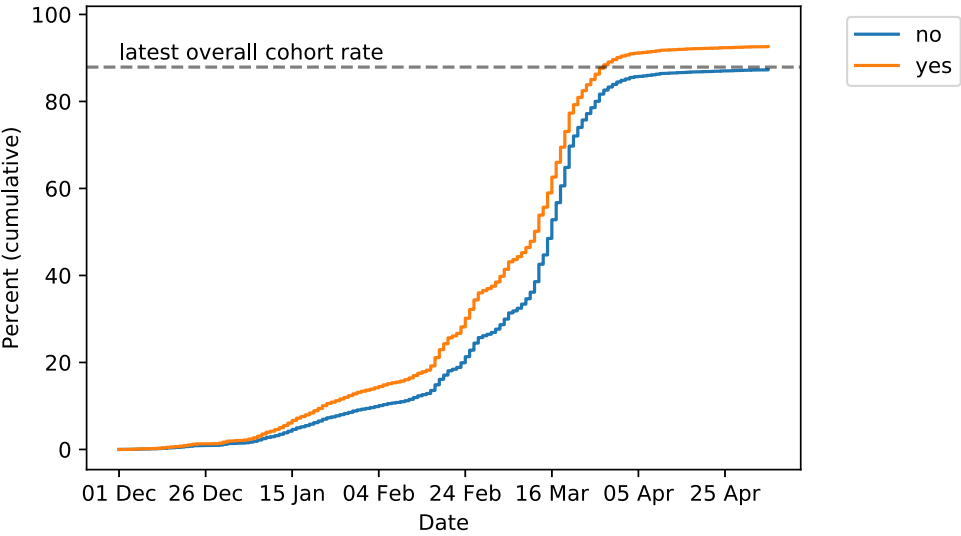
COVID vaccinations among 55-59 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 55-59 population

by SSRI (last 12 months)



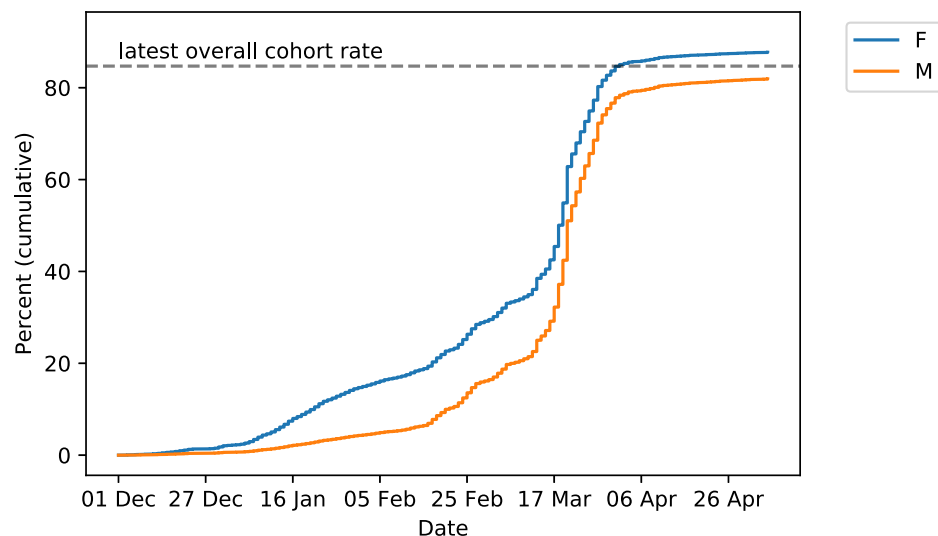
Trends in vaccination rates of 50-54 population according to demographic/clinical features, cumulatively by day.

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

50-54 population

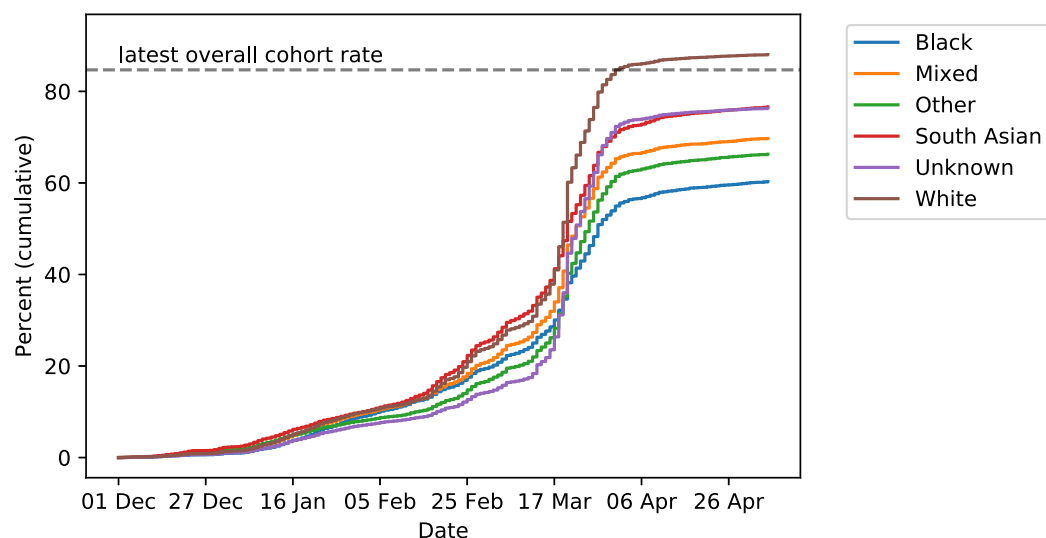
COVID vaccinations among 50-54 population

by Sex



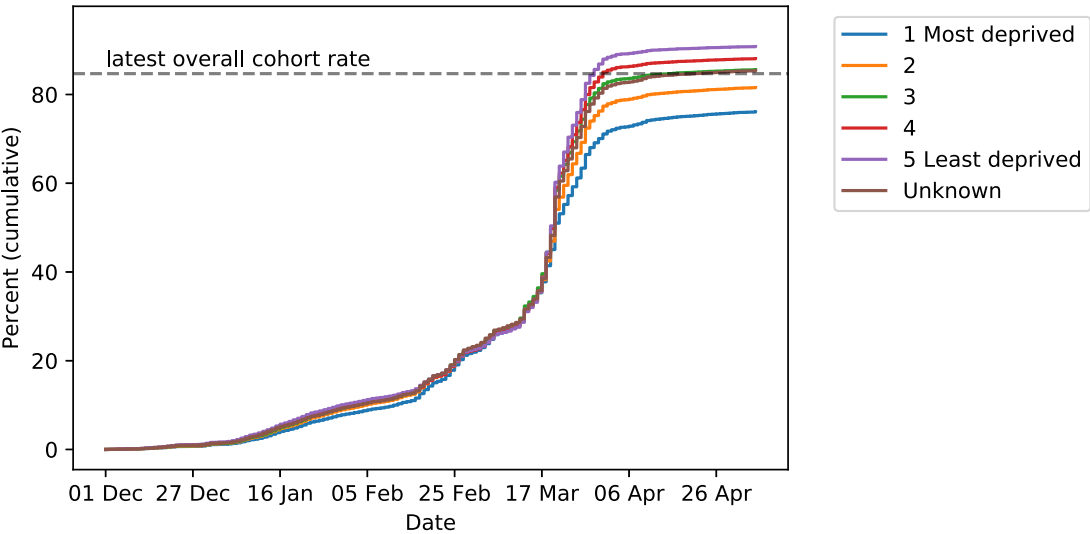
COVID vaccinations among 50-54 population

by Ethnicity (broad categories)



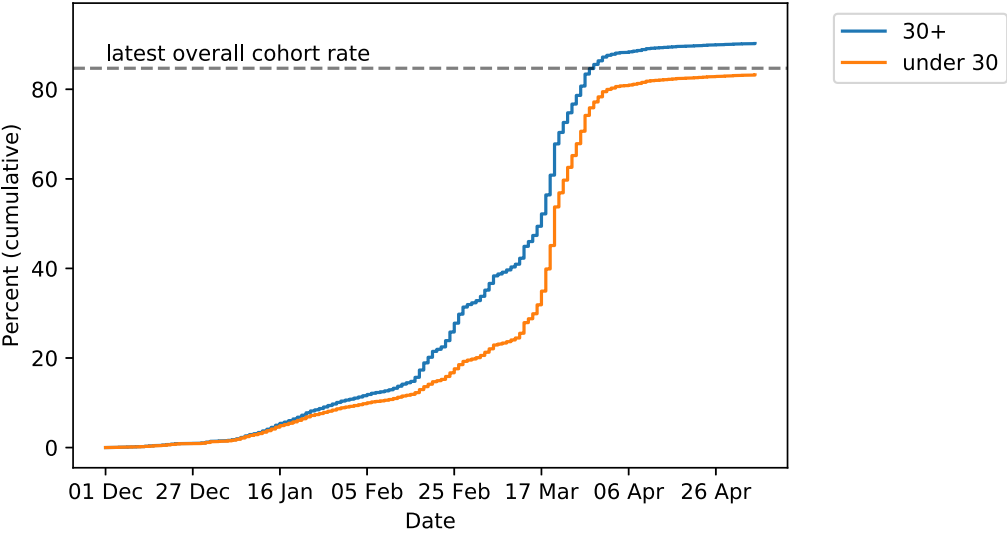
COVID vaccinations among 50-54 population

by Index of Multiple Deprivation (quintiles)



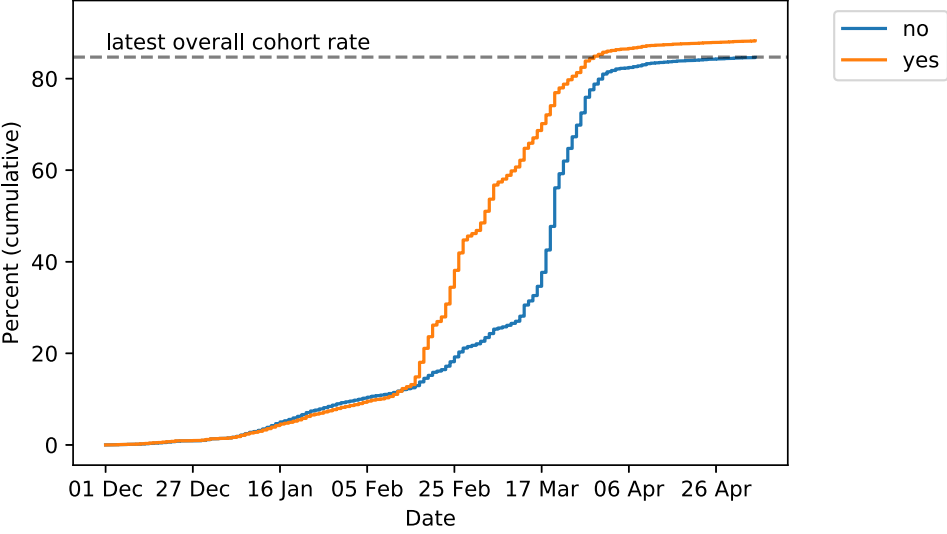
COVID vaccinations among 50-54 population

by BMI



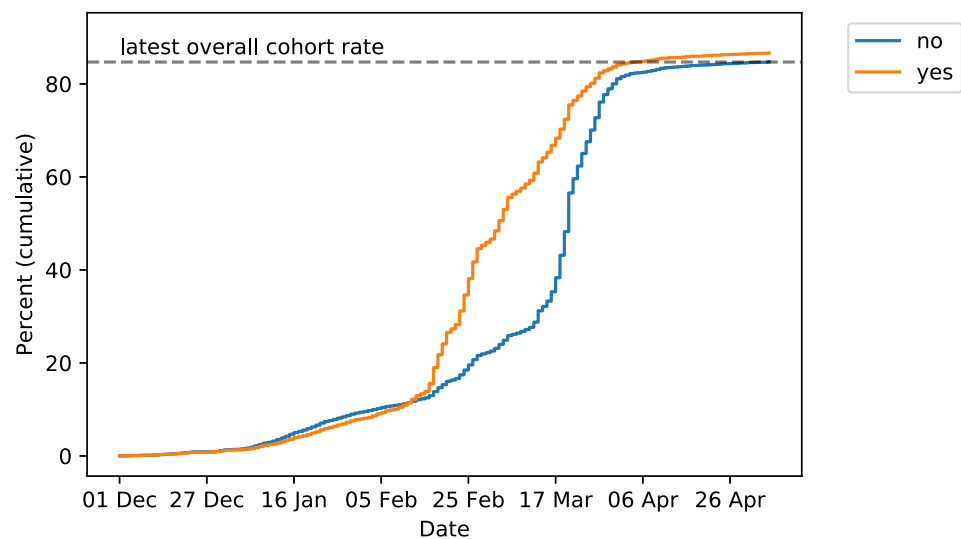
COVID vaccinations among 50-54 population

by Chronic cardiac disease



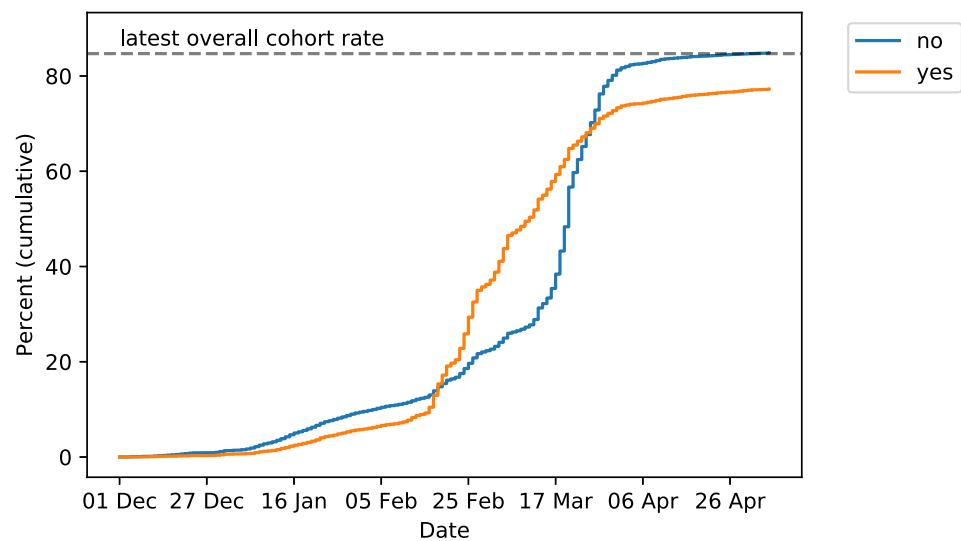
COVID vaccinations among 50-54 population

by Current COPD



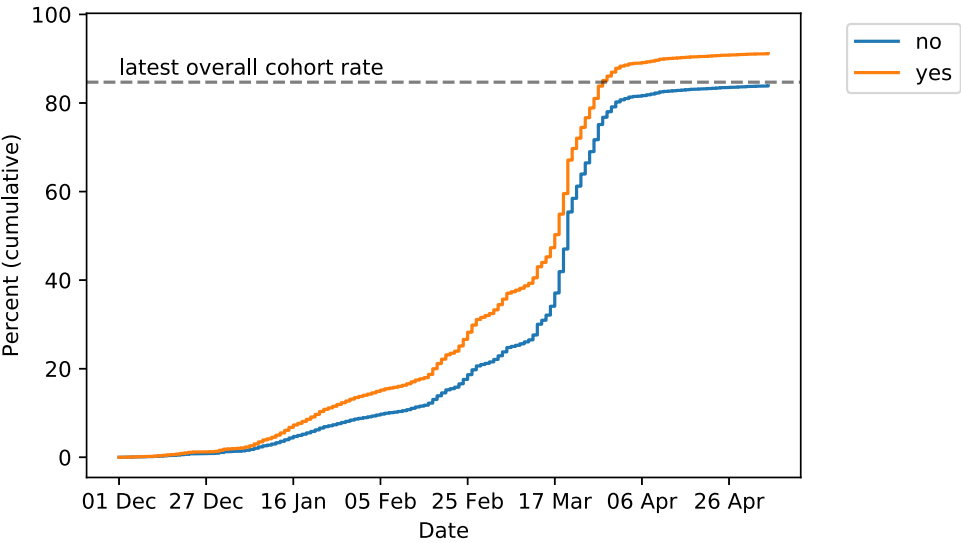
COVID vaccinations among 50-54 population

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.

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1075922	96.1	1119020	96.1	0.0
Sex	F	623413	96.1	648893	96.0	0.1
	M	452501	96.3	470120	96.2	0.1
Age band	80-84	567511	96.4	588721	96.4	0.0
	85-89	336210	96.3	349286	96.2	0.1
	90+	172193	95.1	181013	95.1	0.0
Ethnicity (broad categories)	Black	8323	75.4	11039	75.2	0.2
	Mixed	2709	83.4	3248	83.4	0.0
	Other	5600	83.2	6734	83.1	0.1
	South Asian	24675	87.1	28315	87.0	0.1
	Unknown	54530	86.9	62734	86.9	0.0
	White	980077	97.3	1006943	97.3	0.0
ethnicity 16 groups	African	1386	66.4	2086	66.1	0.3
	Bangladeshi or British Bangladeshi	1078	82.8	1302	82.3	0.5
	Caribbean	5964	78.3	7616	78.1	0.2
	Chinese	1351	80.1	1687	80.1	0.0
	Other	4249	84.1	5054	84.1	0.0
	Other Asian	3675	83.9	4382	83.7	0.2
	British or Mixed British	931049	97.6	954030	97.6	0.0
	Indian or British Indian	13657	91.6	14917	91.5	0.1
	Irish	9198	95.3	9653	95.2	0.1
	Other Black	973	72.8	1337	72.8	0.0
	Other White	39858	92.1	43274	92.0	0.1
	Other mixed	1008	87.3	1155	87.3	0.0
	Pakistani or British Pakistani	6258	81.2	7707	81.1	0.1
	Unknown	54502	86.9	62706	86.9	0.0
	White + Asian	476	88.3	539	88.3	0.0
	White + Black African	273	73.6	371	73.6	0.0
	White + Black Caribbean	966	80.7	1197	80.7	0.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	134575	93.2	144445	93.1	0.1
	2	177968	95.1	187103	95.1	0.0
	3	240793	96.4	249690	96.4	0.0
	4	250705	96.9	258615	96.9	0.0
	5 Least deprived	252602	97.5	259000	97.5	0.0
	Unknown	19264	95.6	20160	95.5	0.1
BMI	30+	189567	97.4	194684	97.3	0.1
	under 30	886354	95.9	924329	95.9	0.0
Chronic cardiac disease	no	749581	95.7	783447	95.6	0.1
	yes	326333	97.2	335566	97.2	0.0
Current COPD	no	962192	96.0	1002120	96.0	0.0
	yes	113729	97.3	116893	97.3	0.0

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
Dialysis	no	1073926	96.1	1116962	96.1	0.0
	yes	1995	96.9	2058	96.6	0.3
DMARDs	no	1042013	96.1	1084405	96.1	0.0
	yes	33901	98.0	34608	97.9	0.1
Dementia	no	985355	96.1	1024968	96.1	0.0
	yes	90566	96.3	94052	96.2	0.1
Psychosis, schizophrenia, or bipolar	no	1067892	96.2	1110368	96.1	0.1
	yes	8022	92.8	8645	92.8	0.0
Learning disability	no	1075410	96.1	1118474	96.1	0.0
	yes	511	94.8	539	94.8	0.0
SSRI (last 12 months)	no	1008476	96.0	1050119	96.0	0.0
	yes	67445	97.9	68894	97.9	0.0
Chemo or radiotherapy	no	1039080	96.1	1081332	96.1	0.0
	yes	36841	97.8	37688	97.7	0.1
Cancer (lung)	no	1068557	96.1	1111446	96.1	0.0
	yes	7364	97.2	7574	97.1	0.1
Cancer (excluding lung/haem)	no	879956	95.8	918302	95.8	0.0
	yes	195958	97.6	200711	97.6	0.0
Cancer (haematological)	no	1055810	96.1	1098412	96.1	0.0
	yes	20104	97.6	20601	97.6	0.0

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 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1978726	95.6	2069081	95.6	0.0
Sex	F	1039311	95.8	1085280	95.7	0.1
	M	939407	95.5	983794	95.4	0.1
Age band	70-74	1144486	95.2	1201935	95.1	0.1
	75-79	834232	96.2	867139	96.2	0.0
Ethnicity (broad categories)	Black	10640	72.5	14679	72.3	0.2
	Mixed	5320	82.6	6440	82.5	0.1
	Other	12341	80.4	15351	80.3	0.1
	South Asian	47901	87.3	54873	87.1	0.2
ethnicity 16 groups	Unknown	128156	88.8	144340	88.7	0.1
	White	1774353	96.8	1833391	96.7	0.1
	African	3500	66.8	5243	66.5	0.3
	Bangladeshi or British Bangladeshi	1554	85.7	1813	85.3	0.4
	Caribbean	5278	76.0	6944	75.9	0.1
	Chinese	3227	79.3	4067	79.3	0.0
	Other	9114	80.8	11284	80.6	0.2
	Other Asian	9429	84.5	11165	84.3	0.2
	British or Mixed British	1687070	97.2	1735272	97.2	0.0
	Indian or British Indian	27538	91.0	30275	90.8	0.2
	Irish	14245	93.8	15183	93.8	0.0
	Other Black	1862	74.9	2485	74.6	0.3
	Other White	73059	88.1	82957	88.0	0.1
	Other mixed	2121	84.2	2520	84.2	0.0
	Pakistani or British Pakistani	9387	80.8	11620	80.5	0.3
	Unknown	128142	88.8	144326	88.7	0.1
	White + Asian	1204	88.2	1365	87.7	0.5
	White + Black African	819	76.5	1071	76.5	0.0
	White + Black Caribbean	1176	78.9	1491	78.9	0.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	252567	92.8	272174	92.7	0.1
	2	331541	94.5	350693	94.5	0.0
	3	441665	95.9	460705	95.8	0.1
	4	460005	96.4	477225	96.3	0.1
	5 Least deprived	456106	97.2	469413	97.1	0.1
	Unknown	36834	94.8	38871	94.6	0.2
BMI	30+	496804	97.0	512015	97.0	0.0
	under 30	1481921	95.2	1557059	95.1	0.1
Chronic cardiac disease	no	1618463	95.4	1696975	95.3	0.1
	yes	360262	96.8	372099	96.8	0.0
Current COPD	no	1788248	95.5	1872500	95.4	0.1
	yes	190470	96.9	196581	96.8	0.1
Dialysis	no	1974763	95.6	2064965	95.6	0.0

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
	yes	3962	96.4	4109	96.3	0.1
DMARDs	no	1907976	95.6	1996694	95.5	0.1
	yes	70742	97.7	72380	97.7	0.0
Dementia	no	1936424	95.6	2025100	95.6	0.0
	yes	42294	96.2	43974	96.1	0.1
Psychosis, schizophrenia, or bipolar	no	1959993	95.7	2048571	95.6	0.1
	yes	18725	91.3	20510	91.2	0.1
Learning disability	no	1975869	95.6	2066043	95.6	0.0
	yes	2856	94.0	3038	93.8	0.2
SSRI (last 12 months)	no	1826832	95.5	1913548	95.4	0.1
	yes	151893	97.7	155526	97.6	0.1
Chemo or radiotherapy	no	1910741	95.6	1999375	95.5	0.1
	yes	67984	97.5	69699	97.5	0.0
Cancer (lung)	no	1966300	95.6	2056278	95.6	0.0
	yes	12418	97.0	12796	97.0	0.0
Cancer (excluding lung/haem)	no	1698375	95.3	1781381	95.3	0.0
	yes	280343	97.4	287693	97.4	0.0
Cancer (haematological)	no	1948975	95.6	2038519	95.5	0.1
	yes	29743	97.3	30555	97.3	0.0

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 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	81543	96.4	84623	96.3	0.1
Sex	F	58002	96.6	60032	96.5	0.1
	M	23541	95.7	24591	95.6	0.1
Age band	65-69	4466	93.3	4788	93.1	0.2
	70-74	6923	94.6	7322	94.4	0.2
	75-79	9576	95.9	9989	95.7	0.2
	80-84	14301	96.6	14798	96.5	0.1
	85-89	19103	96.7	19754	96.6	0.1
	90+	27174	97.2	27965	97.1	0.1
Ethnicity (broad categories)	Black	406	87.9	462	86.4	1.5
	Mixed	210	93.8	224	93.8	0.0
	Other	343	94.2	364	94.2	0.0
	South Asian	630	93.8	672	92.7	1.1
	Unknown	2065	93.1	2219	93.1	0.0
	White	77896	96.6	80675	96.5	0.1
Dementia	no	36876	95.3	38682	95.2	0.1
	yes	44667	97.2	45941	97.2	0.0

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 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	725119	87.6	827890	87.4	0.2
newly shielded since feb 15	no	457779	91.2	502040	91.0	0.2
	yes	267337	82.0	325850	81.8	0.2
Sex	F	403221	86.8	464744	86.6	0.2
	M	321881	88.6	363132	88.5	0.1
Age band	16-29	52416	75.6	69300	75.4	0.2
	30-39	99589	78.4	126994	78.1	0.3
	40-49	142576	86.0	165844	85.7	0.3
	50-59	207123	90.8	228221	90.6	0.2
	60-69	223398	94.1	237517	93.9	0.2
Ethnicity (broad categories)	Black	30527	68.6	44492	68.3	0.3
	Mixed	10661	74.4	14322	74.1	0.3
	Other	13615	74.8	18200	74.5	0.3
	South Asian	87640	80.9	108276	80.6	0.3
	Unknown	27692	85.6	32354	85.4	0.2
Index of Multiple Deprivation (quintiles)	White	554967	90.9	610239	90.8	0.1
	1 Most deprived	201866	82.7	243971	82.5	0.2
	2	161868	86.5	187138	86.3	0.2
	3	140812	89.5	157346	89.3	0.2
	4	113134	91.6	123445	91.5	0.1
	5 Least deprived	89894	93.7	95914	93.6	0.1
Learning disability	Unknown	17535	87.4	20062	87.1	0.3
	no	700574	87.5	800989	87.3	0.2
	yes	24535	91.2	26894	91.0	0.2

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.

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	995226	92.7	1073730	92.6	0.1
Sex	F	511966	93.3	548996	93.1	0.2
	M	483252	92.1	524727	92.0	0.1
Ethnicity (broad categories)	Black	7483	69.4	10787	69.1	0.3
	Mixed	3878	78.5	4942	78.3	0.2
	Other	8953	75.2	11907	75.0	0.2
	South Asian	37072	85.5	43372	85.2	0.3
	Unknown	84987	84.5	100590	84.4	0.1
	White	852845	94.5	902118	94.4	0.1
	White	852845	94.5	902118	94.4	0.1
ethnicity 16 groups	African	2870	67.0	4284	66.8	0.2
	Bangladeshi or British Bangladeshi	1512	87.4	1729	87.0	0.4
	Caribbean	3129	69.8	4480	69.5	0.3
	Chinese	2877	75.8	3794	75.6	0.2
	Other	6090	74.9	8127	74.7	0.2
	Other Asian	6818	84.0	8113	83.8	0.2
	British or Mixed British	807401	95.6	844774	95.5	0.1
	Indian or British Indian	20335	89.2	22785	89.0	0.2
	Irish	5936	90.7	6545	90.5	0.2
	Other Black	1484	73.4	2023	73.0	0.4
	Other White	39501	77.7	50806	77.6	0.1
	Other mixed	1498	78.7	1904	78.3	0.4
	Pakistani or British Pakistani	8407	78.2	10745	78.1	0.1
	Unknown	84987	84.5	100583	84.4	0.1
	White + Asian	882	86.3	1022	86.3	0.0
	White + Black African	644	72.4	889	72.4	0.0
	White + Black Caribbean	847	75.6	1120	75.6	0.0
	1 Most deprived	134582	88.1	152838	87.9	0.2
	2	171626	91.0	188517	90.9	0.1
	3	220997	93.1	237489	92.9	0.2
	4	226107	94.1	240296	94.0	0.1
Index of Multiple Deprivation (quintiles)	5 Least deprived	221494	95.3	232470	95.2	0.1
	Unknown	20412	92.3	22113	92.1	0.2
BMI	30+	255262	95.2	268247	95.1	0.1
	under 30	739963	91.9	805476	91.7	0.2
Chronic cardiac disease	no	889497	92.5	961898	92.4	0.1
	yes	105728	94.5	111825	94.4	0.1
Current COPD	no	956851	92.6	1033011	92.5	0.1
	yes	38374	94.3	40712	94.2	0.1
DMARDs	no	976122	92.6	1053794	92.5	0.1
	yes	19103	95.9	19929	95.7	0.2
Dementia	no	989891	92.7	1068011	92.6	0.1

Category	Group	Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
	yes	5334	93.4	5712	93.1	0.3
Psychosis, schizophrenia, or bipolar	no	985089	92.8	1062068	92.6	0.2
	yes	10136	87.0	11655	86.7	0.3
Learning disability	no	992908	92.7	1071196	92.6	0.1
	yes	2310	91.4	2527	91.1	0.3
SSRI (last 12 months)	no	907732	92.4	982352	92.3	0.1
	yes	87486	95.7	91371	95.6	0.1
Chemo or radiotherapy	no	976255	92.6	1053934	92.5	0.1
	yes	18970	95.9	19789	95.8	0.1
Cancer (lung)	no	993517	92.7	1071910	92.6	0.1
	yes	1701	93.8	1813	93.8	0.0
Cancer (excluding lung/haem)	no	910770	92.4	985411	92.3	0.1
	yes	84455	95.6	88312	95.5	0.1
Cancer (haematological)	no	991753	92.7	1070048	92.6	0.1
	yes	3465	94.3	3675	94.1	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.

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	66689	81.5	81809	81.2	0.3
Sex	F	25963	84.0	30891	83.7	0.3
	M	40719	80.0	50918	79.6	0.4
Age band	16-29	25018	74.0	33803	73.6	0.4
	30-34	8561	80.8	10591	80.6	0.2
	35-39	6475	84.5	7665	84.1	0.4
	40-44	5236	87.0	6020	86.7	0.3
	45-49	5404	88.2	6125	87.8	0.4
	50-54	5838	90.5	6454	90.1	0.4
	55-59	5796	90.7	6391	90.5	0.2
	60-64	4361	91.9	4746	91.6	0.3
Ethnicity (broad categories)	Black	749	56.0	1337	55.5	0.5
	Mixed	686	63.2	1085	62.6	0.6
	Other	448	65.3	686	65.3	0.0
	South Asian	3094	66.2	4676	65.7	0.5
	Unknown	5194	78.8	6594	78.3	0.5
	White	56511	83.8	67438	83.5	0.3

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.

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1155217	90.3	1278998	90.2	0.1
Sex	F	582771	91.6	636496	91.5	0.1
	M	572439	89.1	642488	89.0	0.1
Ethnicity (broad categories)	Black	12887	66.0	19523	65.7	0.3
	Mixed	6048	76.0	7959	75.6	0.4
	Other	11718	72.1	16247	71.9	0.2
	South Asian	43743	83.4	52458	83.1	0.3
	Unknown	114744	81.8	140294	81.7	0.1
	White	966070	92.7	1042503	92.6	0.1
	White	966070	92.7	1042503	92.6	0.1
ethnicity 16 groups	African	5138	66.8	7693	66.4	0.4
	Bangladeshi or British Bangladeshi	1953	86.4	2261	85.8	0.6
	Caribbean	5040	64.3	7833	64.1	0.2
	Chinese	3612	75.8	4767	75.6	0.2
	Other	8113	70.6	11487	70.3	0.3
	Other Asian	9044	81.4	11116	81.1	0.3
	British or Mixed British	909650	94.2	965566	94.1	0.1
	Indian or British Indian	22925	87.1	26313	86.9	0.2
	Irish	5705	87.1	6552	87.0	0.1
	Other Black	2716	68.0	3997	67.6	0.4
	Other White	50722	72.1	70392	71.9	0.2
	Other mixed	2282	75.1	3038	74.9	0.2
	Pakistani or British Pakistani	9828	77.0	12761	76.7	0.3
	Unknown	114730	81.8	140294	81.7	0.1
	White + Asian	1260	85.3	1477	84.8	0.5
	White + Black African	1085	73.5	1477	73.0	0.5
	White + Black Caribbean	1421	72.5	1960	72.1	0.4
	1 Most deprived	167293	84.4	198163	84.3	0.1
	2	204218	88.2	231441	88.1	0.1
	3	252686	90.9	277942	90.8	0.1
	4	257936	92.3	279559	92.2	0.1
Index of Multiple Deprivation (quintiles)	5 Least deprived	249403	93.9	265517	93.9	0.0
	Unknown	23674	89.8	26369	89.6	0.2
	Unknown	23674	89.8	26369	89.6	0.2
BMI	30+	291340	93.8	310506	93.7	0.1
	under 30	863870	89.2	968478	89.1	0.1
Chronic cardiac disease	no	1067787	90.1	1184960	90.0	0.1
	yes	87423	93.0	94024	92.8	0.2
Current COPD	no	1123262	90.3	1244383	90.2	0.1
	yes	31948	92.3	34601	92.2	0.1
DMARDs	no	1135477	90.3	1258131	90.1	0.2
	yes	19733	94.6	20853	94.5	0.1
Dementia	no	1151794	90.3	1275281	90.2	0.1

Category	Group	Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	3416	92.2	3703	92.2	0.0
	no	1142841	90.4	1264242	90.3	0.1
	yes	12369	83.9	14742	83.7	0.2
	no	1033606	89.9	1149834	89.8	0.1
SSRI (last 12 months)	yes	121604	94.2	129150	94.0	0.2
Chemo or radiotherapy	no	1138067	90.3	1260924	90.2	0.1
	yes	17143	94.9	18060	94.8	0.1
Cancer (lung)	no	1154139	90.3	1277801	90.2	0.1
	yes	1071	90.5	1183	89.9	0.6
Cancer (excluding lung/haem)	no	1086778	90.1	1206464	90.0	0.1
	yes	68432	94.4	72520	94.3	0.1
Cancer (haematological)	no	1152088	90.3	1275645	90.2	0.1
	yes	3122	93.3	3346	93.3	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 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1328854	87.9	1512161	87.7	0.2
Sex	F	667569	89.8	743309	89.7	0.1
	M	661276	86.0	768838	85.8	0.2
Ethnicity (broad categories)	Black	19642	63.5	30926	63.1	0.4
	Mixed	8939	72.9	12264	72.5	0.4
	Other	15435	69.8	22099	69.6	0.2
	South Asian	48258	80.5	59920	80.2	0.3
	Unknown	134288	78.7	170611	78.5	0.2
	White	1102283	90.6	1216334	90.5	0.1
	White	1102283	90.6	1216334	90.5	0.1
ethnicity 16 groups	African	8330	65.5	12719	65.0	0.5
	Bangladeshi or British Bangladeshi	2499	83.4	2996	83.2	0.2
	Caribbean	6615	60.3	10962	60.1	0.2
	Chinese	4592	74.6	6153	74.4	0.2
	Other	10850	68.0	15946	67.7	0.3
	Other Asian	11795	79.1	14910	78.7	0.4
	British or Mixed British	1033165	92.5	1117473	92.3	0.2
	Indian or British Indian	24101	85.0	28343	84.7	0.3
	Irish	6475	84.3	7679	84.0	0.3
	Other Black	4697	64.9	7238	64.4	0.5
	Other White	62685	68.7	91231	68.4	0.3
	Other mixed	3150	72.6	4340	72.1	0.5
	Pakistani or British Pakistani	9863	72.2	13664	71.7	0.5
	Unknown	134260	78.7	170576	78.5	0.2
	White + Asian	1834	81.1	2261	80.8	0.3
	White + Black African	1624	69.9	2324	69.6	0.3
	White + Black Caribbean	2324	69.7	3332	69.3	0.4
Index of Multiple Deprivation (quintiles)	1 Most deprived	198478	80.9	245287	80.7	0.2
	2	235529	85.3	276178	85.1	0.2
	3	287112	88.6	324205	88.4	0.2
	4	293930	90.3	325423	90.2	0.1
	5 Least deprived	286853	92.4	310569	92.3	0.1
	Unknown	26950	88.4	30485	88.2	0.2
BMI	30+	322210	92.2	349517	92.1	0.1
	under 30	1006635	86.6	1162637	86.4	0.2
Chronic cardiac disease	no	1262695	87.7	1439473	87.6	0.1
	yes	66150	91.0	72681	90.9	0.1
Current COPD	no	1303918	87.8	1484357	87.7	0.1
	yes	24934	89.7	27797	89.5	0.2
DMARDs	no	1309105	87.8	1490951	87.6	0.2
	yes	19740	93.1	21203	93.0	0.1
Psychosis,	no	1313760	88.0	1493352	87.8	0.2

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
schizophrenia, or bipolar	yes	15085	80.2	18802	79.9	0.3
SSRI (last 12 months)	no	1173886	87.3	1344840	87.1	0.2
	yes	154959	92.6	167314	92.5	0.1

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.

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1324338	84.7	1562890	84.5	0.2
Sex	F	668640	87.7	762356	87.5	0.2
	M	655690	81.9	800513	81.6	0.3
Ethnicity (broad categories)	Black	22631	60.3	37534	59.8	0.5
	Mixed	10661	69.7	15295	69.3	0.4
	Other	18886	66.3	28497	65.8	0.5
	South Asian	65394	76.6	85386	76.1	0.5
	Unknown	144277	76.3	189112	76.0	0.3
	White	1062481	88.0	1207059	87.8	0.2
	White	1062481	88.0	1207059	87.8	0.2
ethnicity 16 groups	African	12355	62.4	19803	61.8	0.6
	Bangladeshi or British Bangladeshi	4018	81.7	4921	81.4	0.3
	Caribbean	5145	54.8	9394	54.4	0.4
	Chinese	4977	72.8	6839	72.3	0.5
	Other	13902	64.2	21644	63.8	0.4
	Other Asian	15883	76.1	20860	75.7	0.4
	British or Mixed British	982639	90.6	1084769	90.4	0.2
	Indian or British Indian	28882	81.6	35413	81.0	0.6
	Irish	6370	81.5	7812	81.2	0.3
	Other Black	5138	61.6	8337	61.0	0.6
	Other White	73528	64.2	114520	63.9	0.3
	Other mixed	3815	68.6	5565	68.2	0.4
	Pakistani or British Pakistani	16618	68.7	24199	68.1	0.6
	Unknown	144228	76.3	189077	76.0	0.3
	White + Asian	2352	79.6	2954	79.1	0.5
	White + Black African	2191	66.2	3311	65.8	0.4
	White + Black Caribbean	2296	66.5	3451	66.1	0.4
	1 Most deprived	207396	76.1	272552	75.7	0.4
	2	238504	81.6	292425	81.3	0.3
	3	280637	85.6	327866	85.3	0.3
	4	287140	88.1	325997	87.9	0.2
Index of Multiple Deprivation (quintiles)	5 Least deprived	283507	90.8	312235	90.6	0.2
	Unknown	27146	85.4	31801	85.1	0.3
BMI	30+	305886	90.2	339024	90.0	0.2
	under 30	1018444	83.2	1223852	83.0	0.2
Chronic cardiac disease	no	1282302	84.6	1515241	84.4	0.2
	yes	42028	88.2	47628	88.0	0.2
Current COPD	no	1308090	84.7	1544130	84.5	0.2
	yes	16240	86.6	18746	86.4	0.2
DMARDs	no	1307229	84.7	1544228	84.4	0.3
	yes	17101	91.7	18648	91.5	0.2
Psychosis,	no	1309077	84.8	1543136	84.6	0.2

		Vaccinated at 05 May (n)	Vaccinated at 05 May (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
schizophrenia, or bipolar	yes	15246	77.2	19740	76.8	0.4
SSRI (last 12 months)	no	1154643	83.9	1376683	83.6	0.3
	yes	169687	91.1	186186	90.9	0.2

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 16-49, not in other eligible groups shown population

Please refer to footnotes below table for information.

		Vaccinated at 05 May (n)	Previous week's vaccination figure (n)	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Category	Group				
overall	overall	3212489	2973765.0	238724.0	8.0
Sex	F	1834847	1727831.0	107016.0	6.2
	M	1377537	1245832.0	131705.0	10.6
Age band	16-29	608902	602763.0	6139.0	1.0
	30-39	811944	784378.0	27566.0	3.5
	40-49	1791538	1586522.0	205016.0	12.9
Ethnicity (broad categories)	Black	63987	59955.0	4032.0	6.7
	Mixed	42287	39522.0	2765.0	7.0
	Other	67473	61201.0	6272.0	10.2
	South Asian	257999	240681.0	17318.0	7.2
	Unknown	302022	274197.0	27825.0	10.1
	White	2478609	2298114.0	180495.0	7.9
	African	42588	39949.0	2639.0	6.6
ethnicity 16 groups	Bangladeshi or British Bangladeshi	19782	18676.0	1106.0	5.9
	Caribbean	8449	7924.0	525.0	6.6
	Chinese	15127	13342.0	1785.0	13.4
	Other	52360	47873.0	4487.0	9.4
	Other Asian	58947	54656.0	4291.0	7.9
	British or Mixed British	2234036	2079392.0	154644.0	7.4
	Indian or British Indian	113316	104916.0	8400.0	8.0
	Irish	14567	13363.0	1204.0	9.0
	Other Black	12936	12068.0	868.0	7.2
	Other White	230111	205464.0	24647.0	12.0
	Other mixed	15652	14462.0	1190.0	8.2
	Pakistani or British Pakistani	65940	62426.0	3514.0	5.6
	Unknown	301938	274106.0	27832.0	10.2
	White + Asian	10136	9471.0	665.0	7.0
	White + Black African	8225	7686.0	539.0	7.0
	White + Black Caribbean	8267	7889.0	378.0	4.8
Index of Multiple Deprivation (quintiles)	1 Most deprived	583100	548191.0	34909.0	6.4
	2	615167	572908.0	42259.0	7.4
	3	660107	609938.0	50169.0	8.2
	4	644021	593047.0	50974.0	8.6
	5 Least deprived	614369	560665.0	53704.0	9.6
	Unknown	95627	88914.0	6713.0	7.5
BMI	30+	671062	639100.0	31962.0	5.0
	under 30	2541322	2334570.0	206752.0	8.9
Chronic cardiac disease	no	3152569	2914436.0	238133.0	8.2
	yes	59815	59234.0	581.0	1.0
Current COPD	no	3197075	2958753.0	238322.0	8.1
	yes	15309	14910.0	399.0	2.7

Category	Group	Vaccinated at 05 May (n)	Previous week's vaccination figure (n)	Vaccinated over last 7 d (n)	Increase in coverage over last 7 d (%)
DMARDs	no	3173912	2936066.0	237846.0	8.1
	yes	38472	37604.0	868.0	2.3
SSRI (last 12 months)	no	2758126	2542582.0	215544.0	8.5
	yes	454258	431088.0	23170.0	5.4

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+	1119020	94.4
70-79	2069081	93.0
care home	84623	97.4
shielding (aged 16-69)	827890	96.1
65-69	1073730	90.6
LD (aged 16-64)	81809	91.9
60-64	1278998	89.0
55-59	1512161	88.7
50-54	1562890	87.9