

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 19 Apr 2021

Vaccinations included up to 14 Apr 2021 inclusive

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- **Trends in vaccination coverage** according to demographic/clinical features, for:
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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 14 Apr 2021	second dose as at 14 Apr 2021
Group			
Total vaccinated in TPP		11,154,136	2,829,204
80+	95.9% (1,075,578 of 1,121,701)	78.5% (880,250 of 1,121,701)	
70-79	95.2% (1,966,006 of 2,064,944)	34.5% (712,838 of 2,064,944)	
care home	96.0% (80,514 of 83,888)	73.7% (61,789 of 83,888)	
shielding (aged 16-69)	86.8% (715,757 of 824,887)	16.1% (133,077 of 824,887)	
65-69	92.1% (987,175 of 1,071,287)	8.1% (86,331 of 1,071,287)	
LD (aged 16-64)	80.3% (65,219 of 81,249)	7.4% (5,985 of 81,249)	
60-64	89.8% (1,145,431 of 1,275,925)	8.8% (112,560 of 1,275,925)	
55-59	87.1% (1,313,536 of 1,508,080)	9.5% (142,793 of 1,508,080)	
50-54	83.6% (1,302,966 of 1,558,172)	8.9% (138,964 of 1,558,172)	
16-49, not in other eligible groups shown		2,501,954	554,617

NB Patient counts are rounded to nearest 7

Vaccine types and second doses

Second doses (% of all vaccinated): **25.4%** (2,829,204)

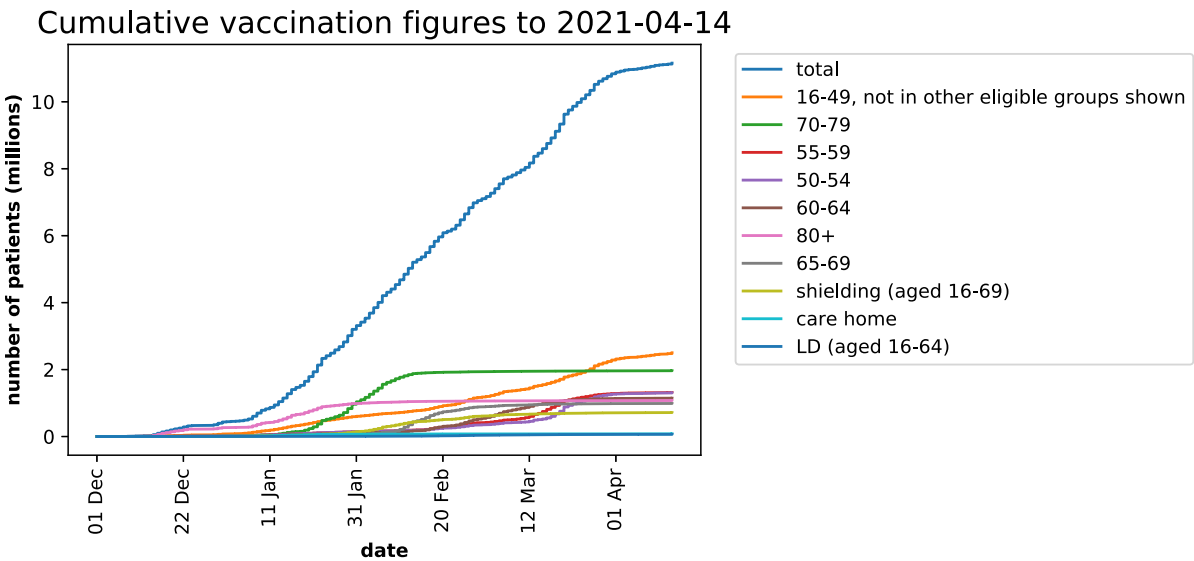
Oxford-AZ vaccines (% of all first doses): **65.8%** (7,334,173)

Moderna vaccines (% of all first doses): **0.0%** (2,380)

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



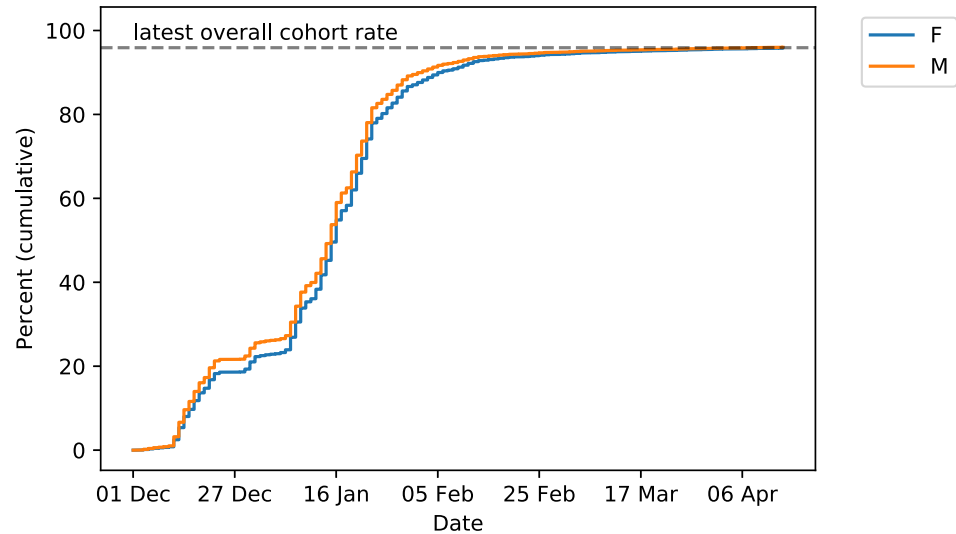
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

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

80+ population

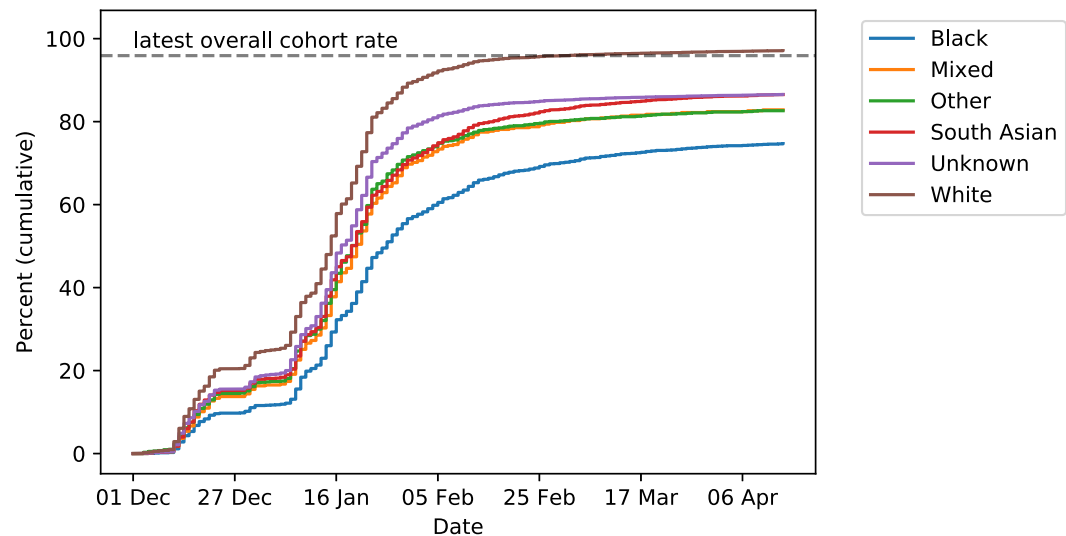
COVID vaccinations among 80+ population

by Sex



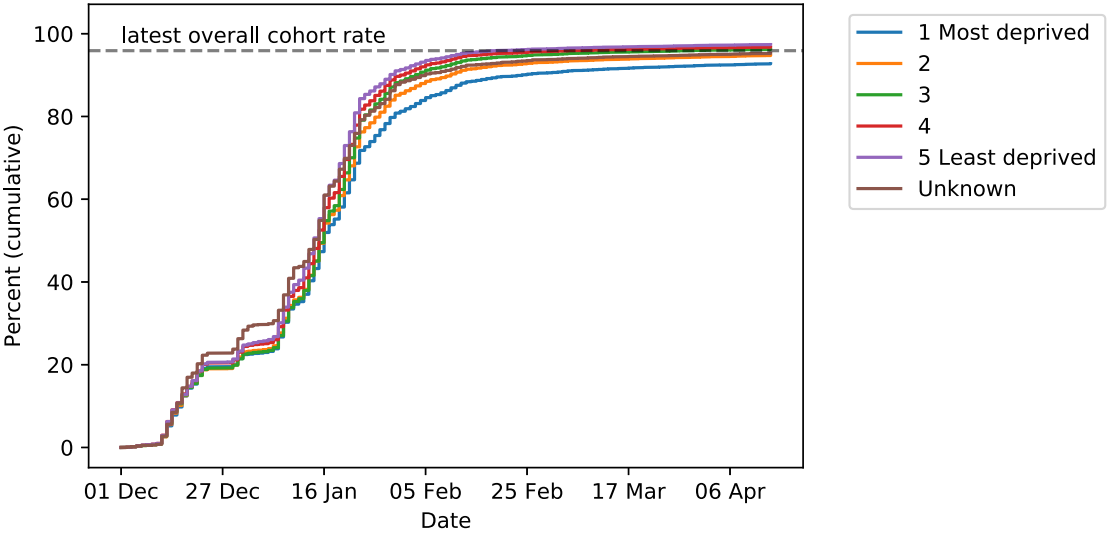
COVID vaccinations among 80+ population

by Ethnicity (broad categories)



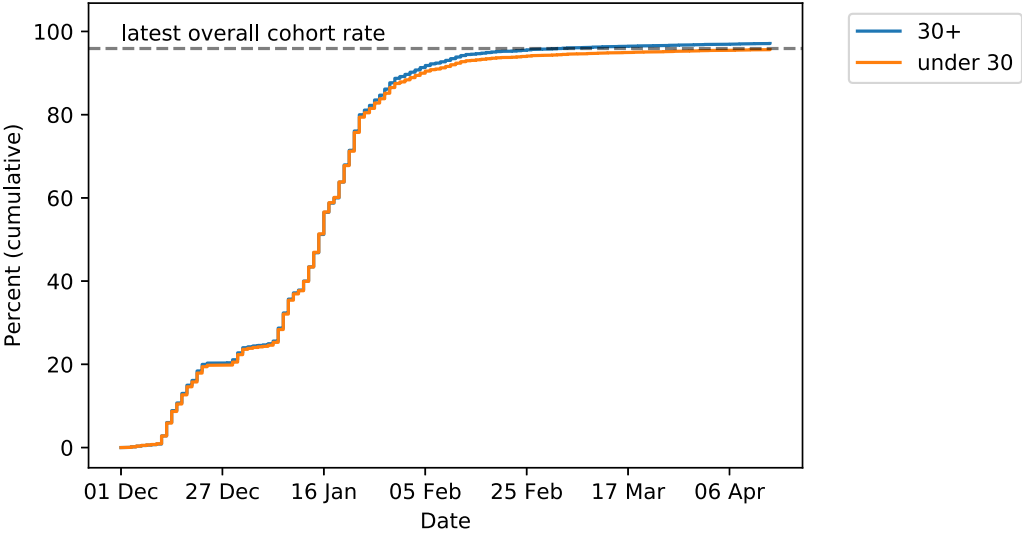
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)



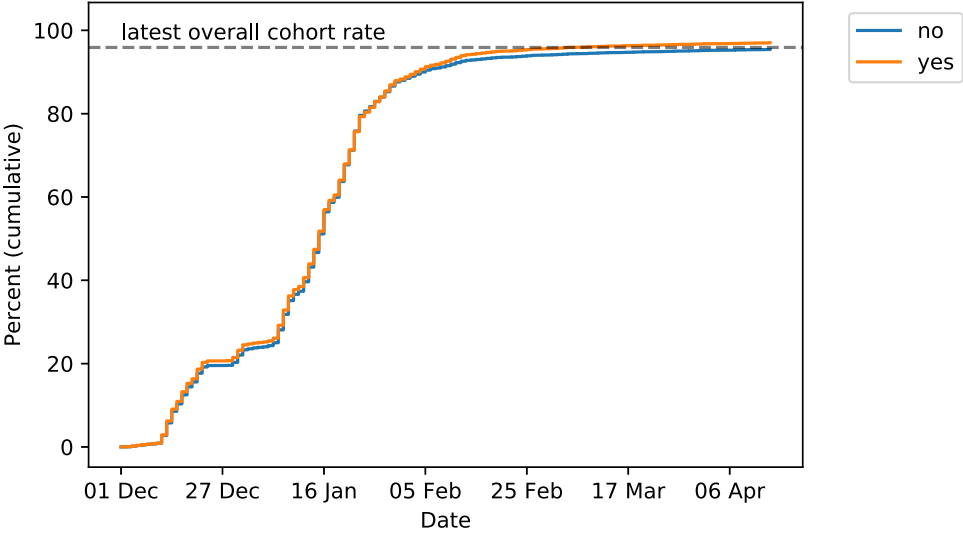
COVID vaccinations among 80+ population

by BMI



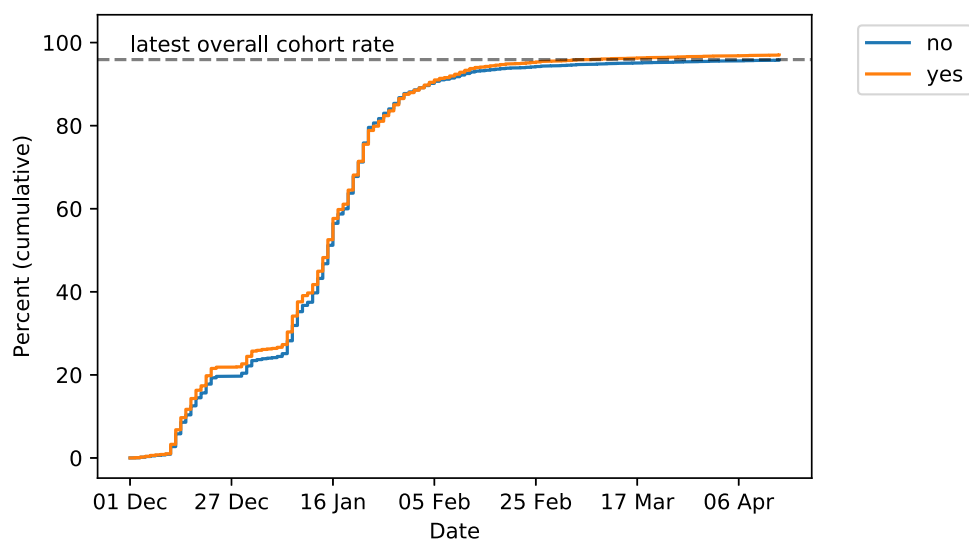
COVID vaccinations among 80+ population

by Chronic cardiac disease



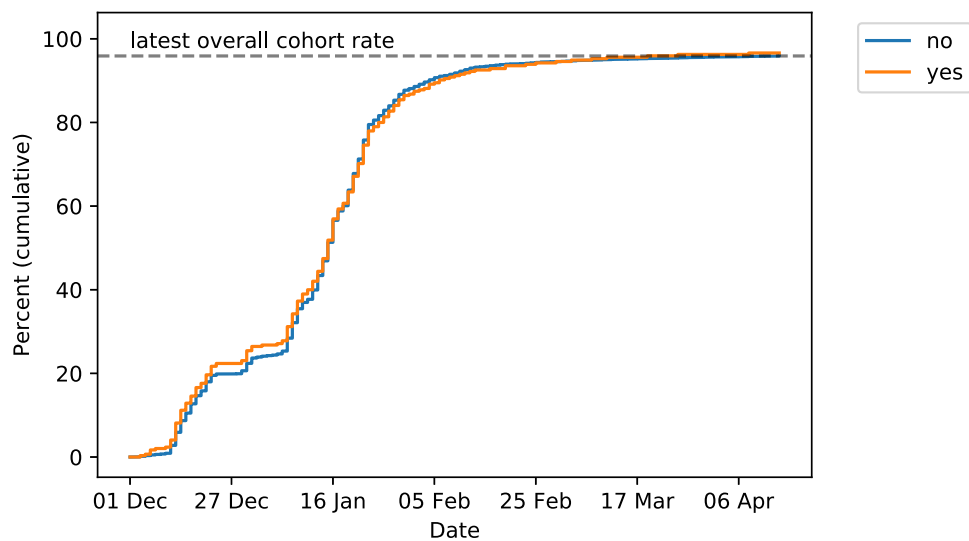
COVID vaccinations among 80+ population

by Current COPD



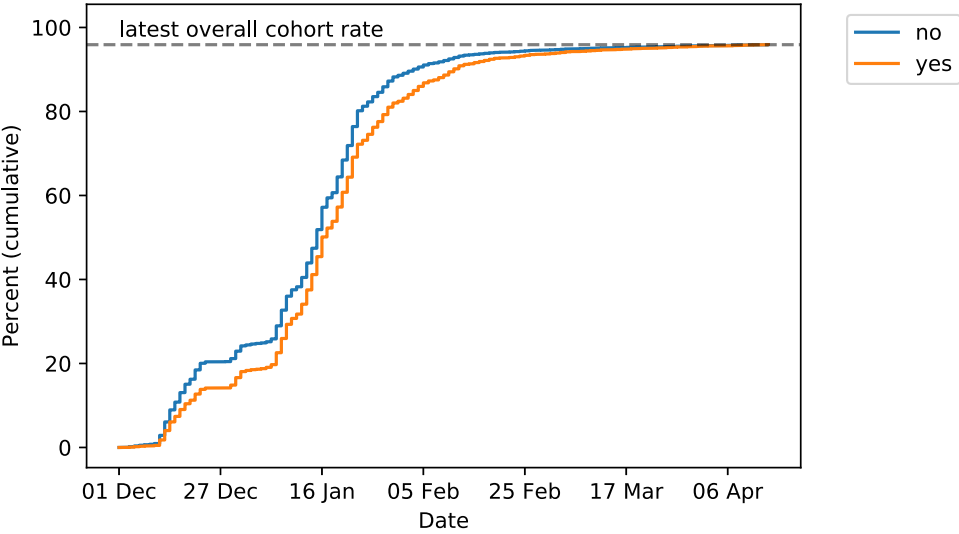
COVID vaccinations among 80+ population

by Dialysis



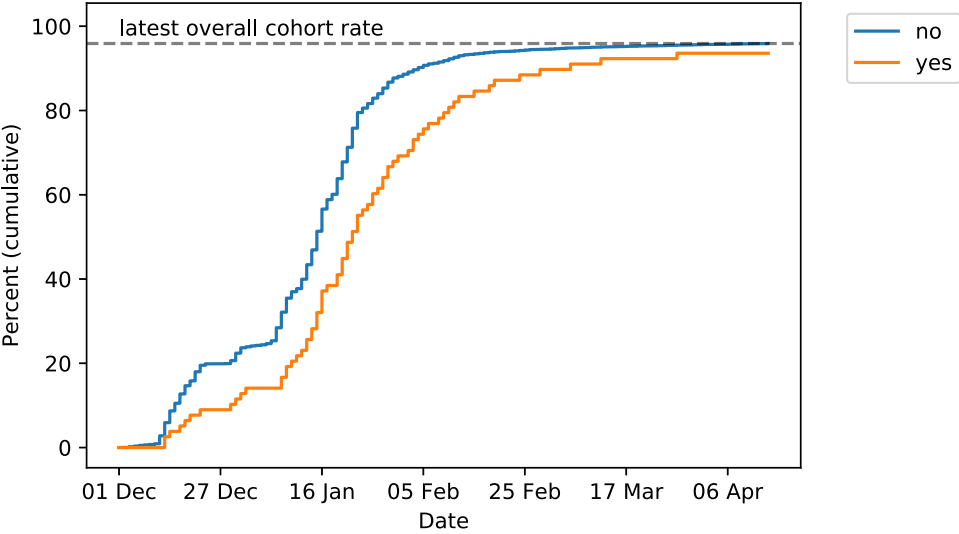
COVID vaccinations among 80+ population

by Dementia



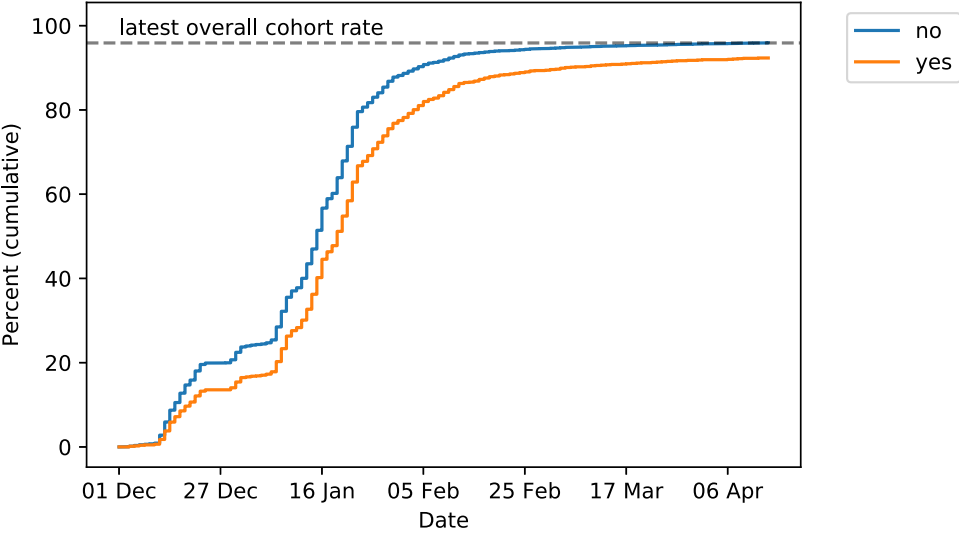
COVID vaccinations among 80+ population

by Learning disability



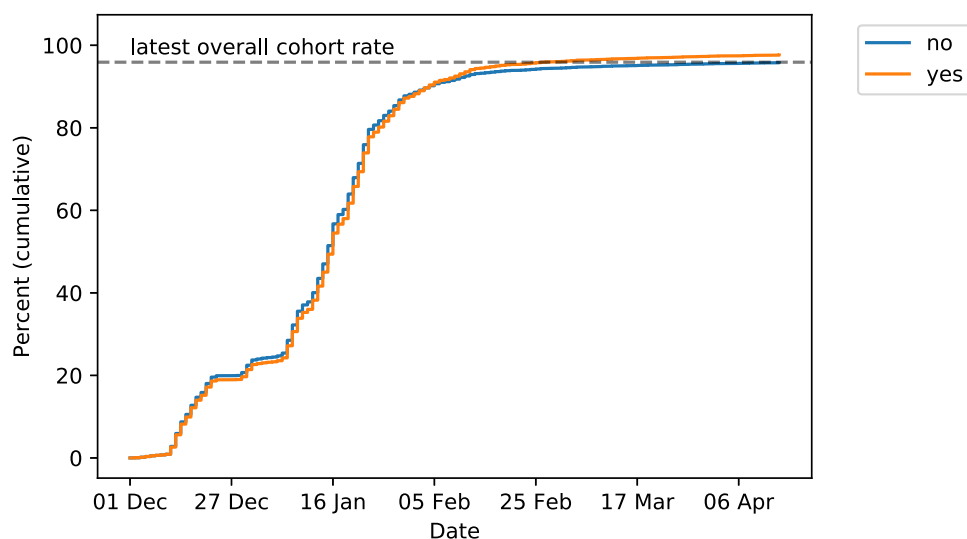
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar



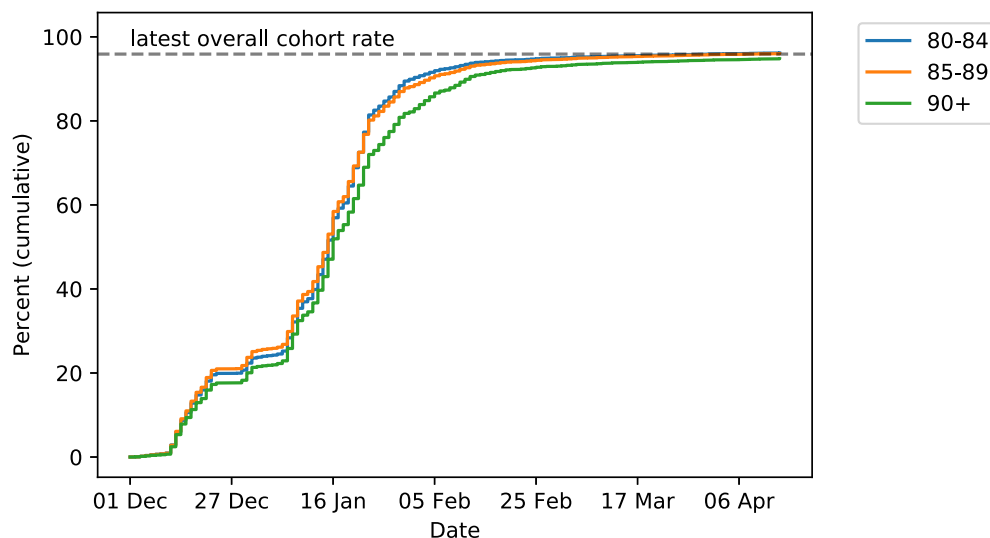
COVID vaccinations among 80+ population

by SSRI (last 12 months)



COVID vaccinations among 80+ population

by Age band



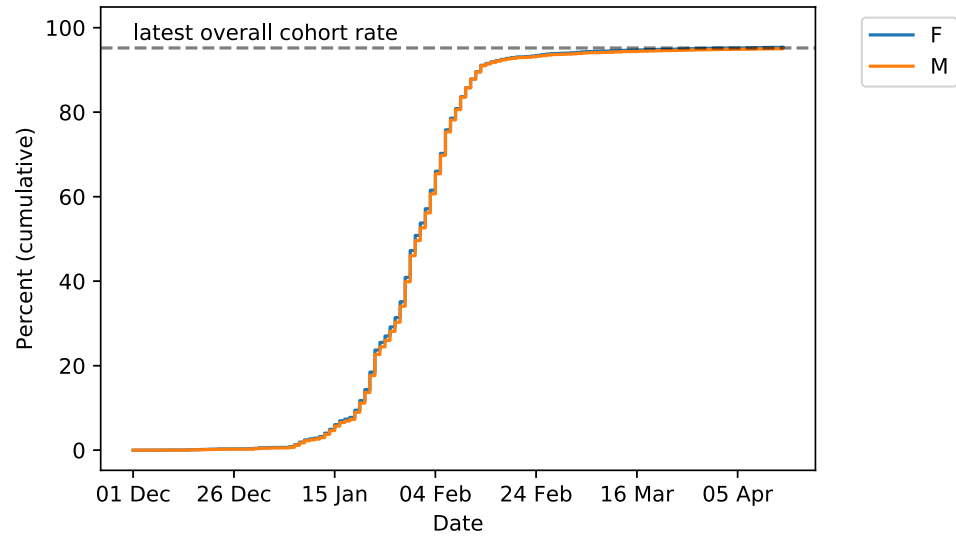
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

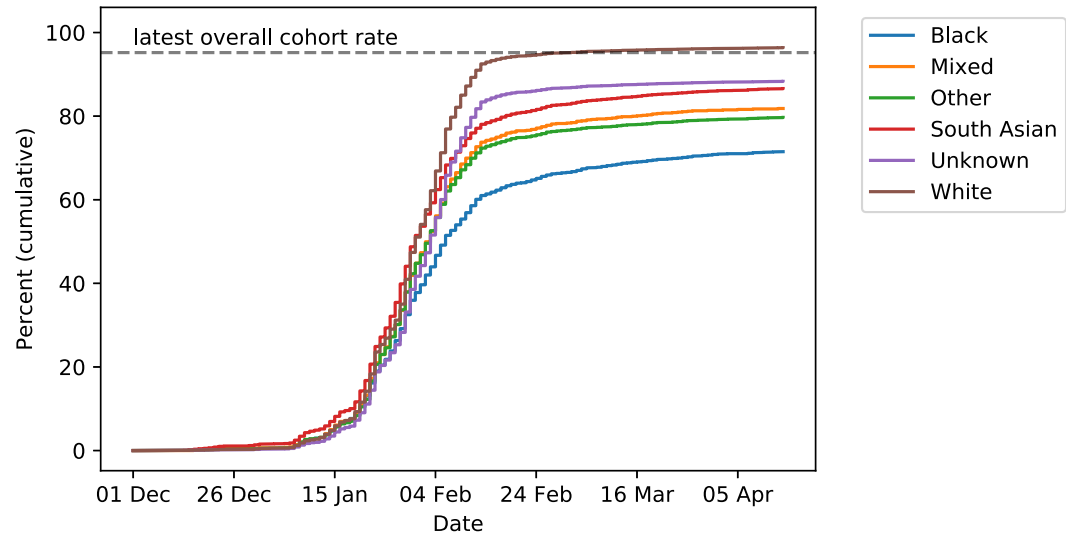
COVID vaccinations among 70-79 population

by Sex



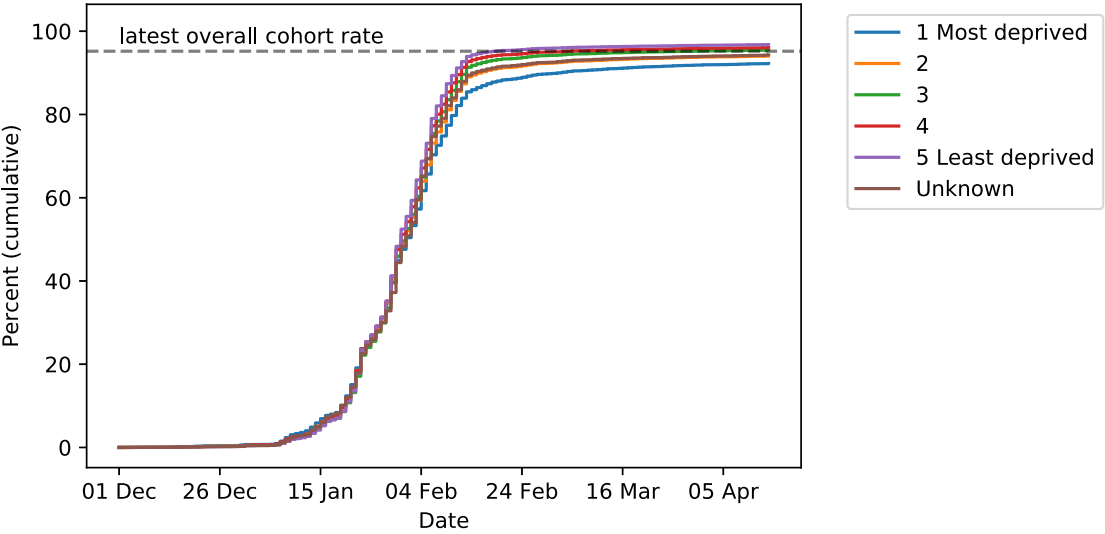
COVID vaccinations among 70-79 population

by Ethnicity (broad categories)



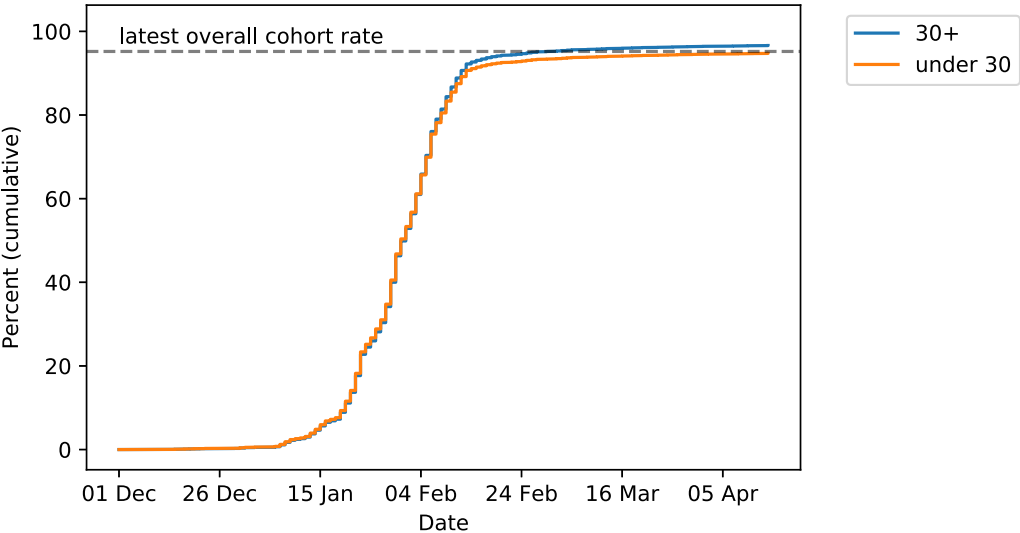
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)



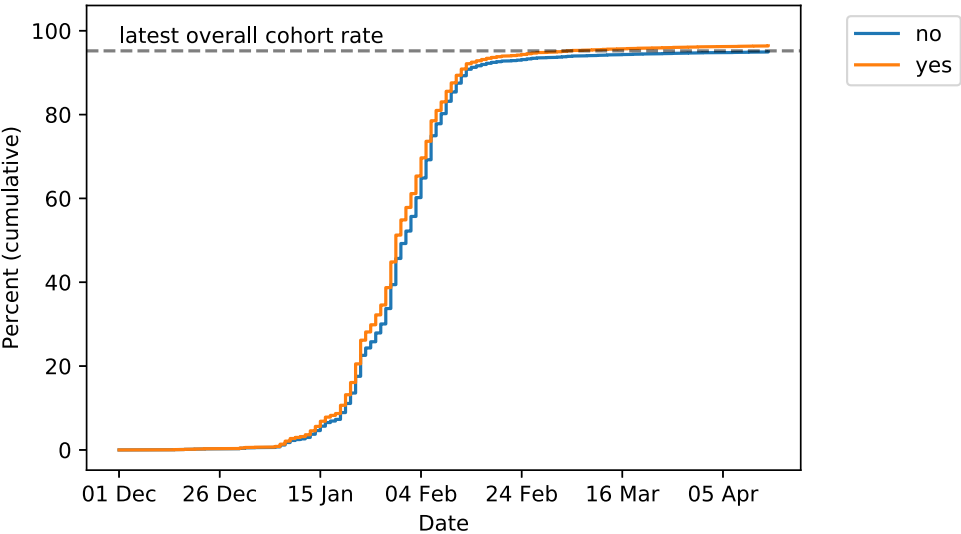
COVID vaccinations among 70-79 population

by BMI



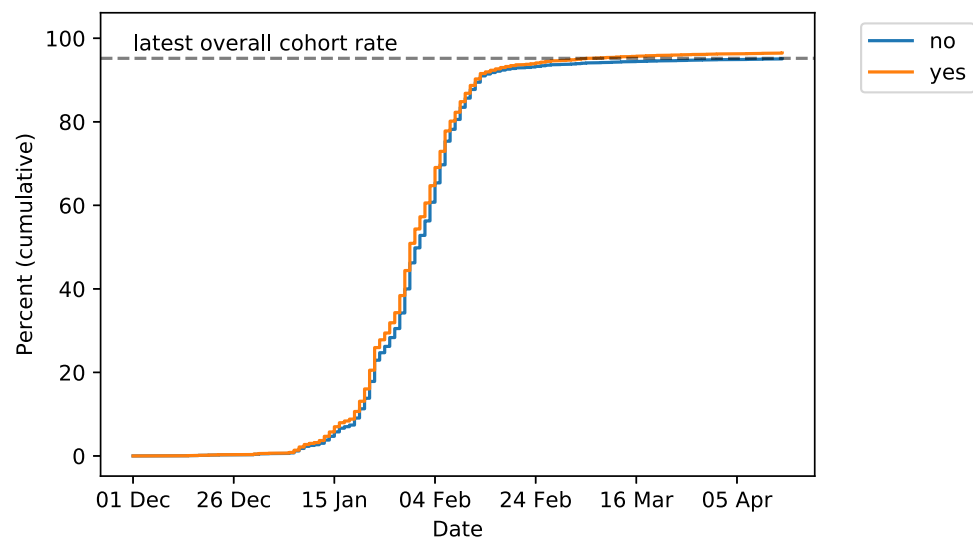
COVID vaccinations among 70-79 population

by Chronic cardiac disease



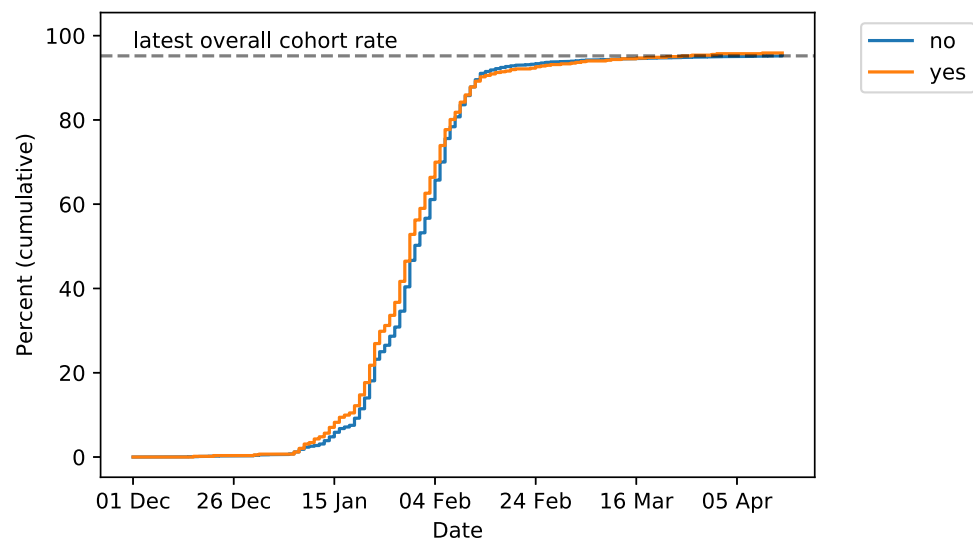
COVID vaccinations among 70-79 population

by Current COPD



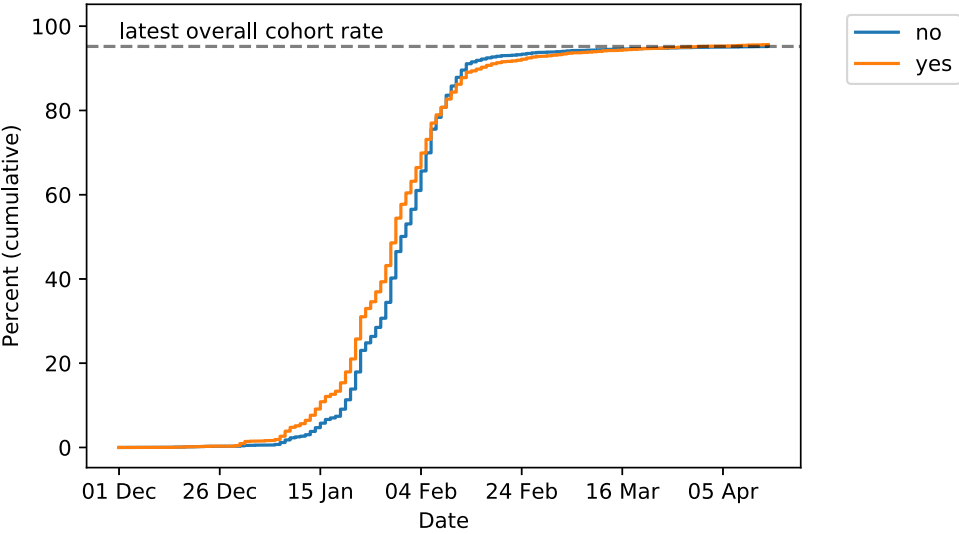
COVID vaccinations among 70-79 population

by Dialysis



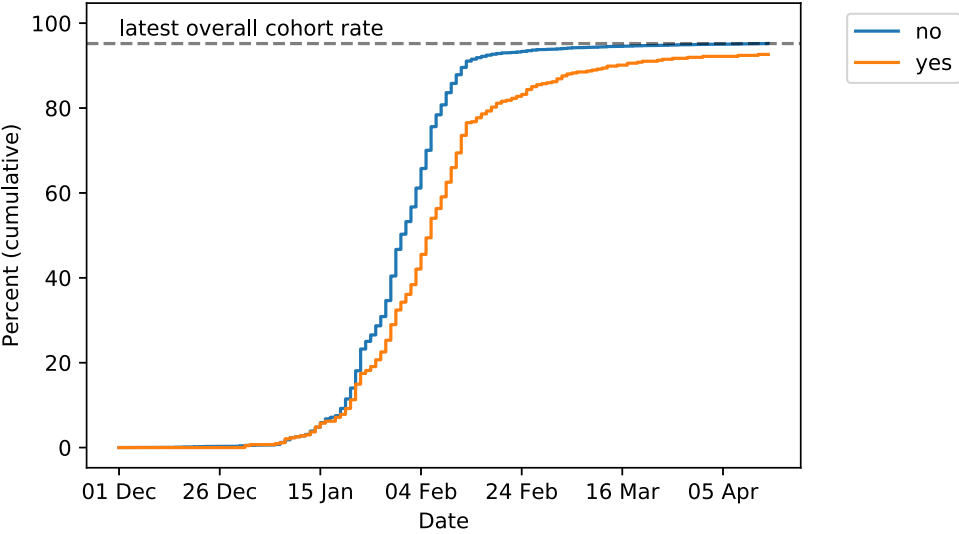
COVID vaccinations among 70-79 population

by Dementia



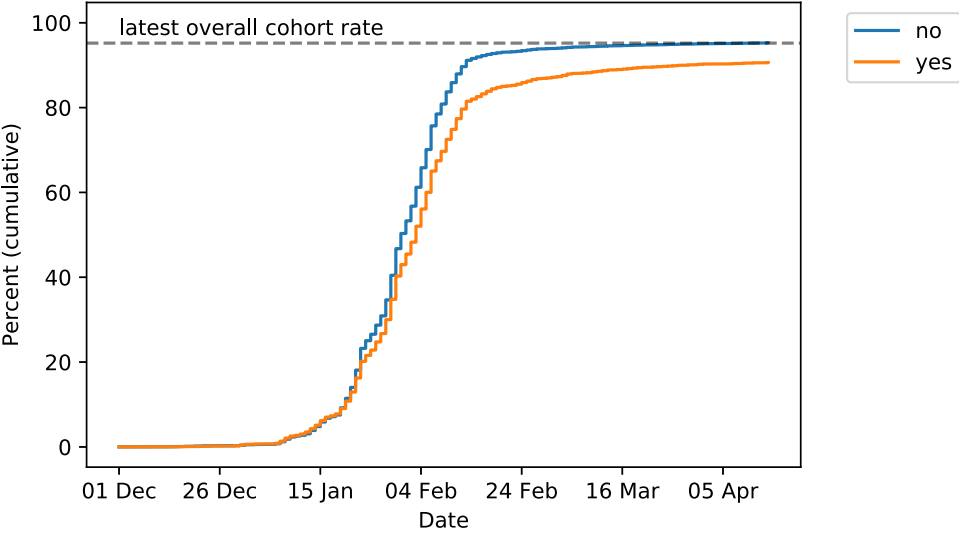
COVID vaccinations among 70-79 population

by Learning disability



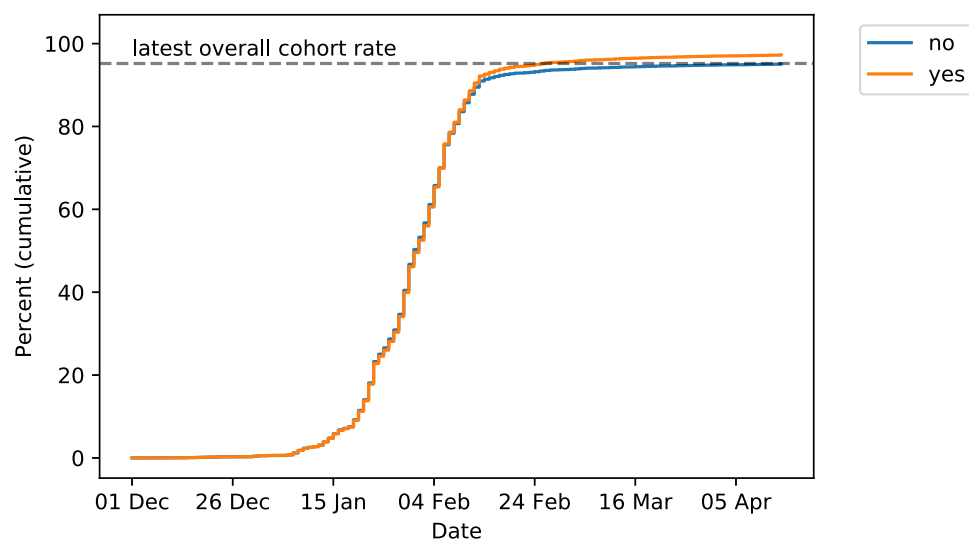
COVID vaccinations among 70-79 population

by Psychosis, schizophrenia, or bipolar



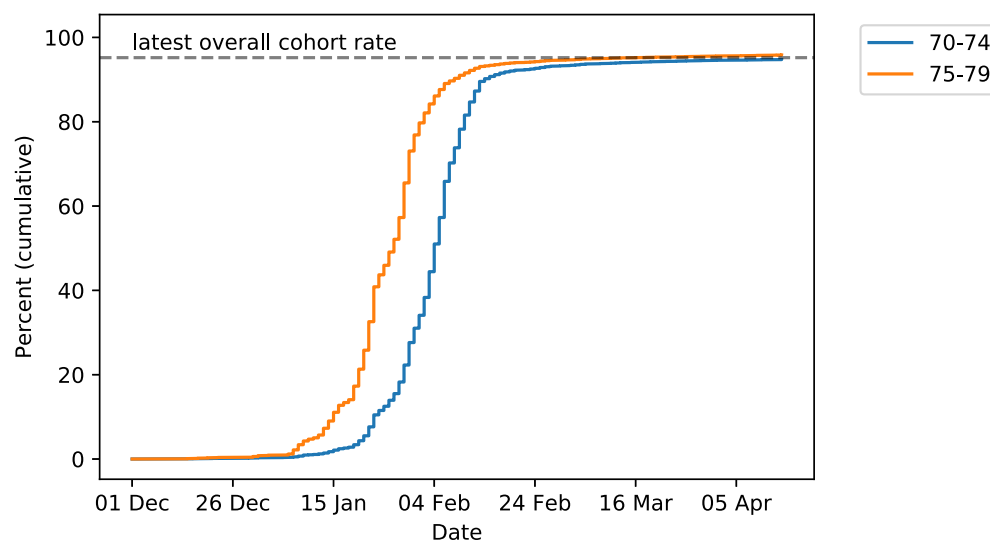
COVID vaccinations among 70-79 population

by SSRI (last 12 months)



COVID vaccinations among 70-79 population

by Age band



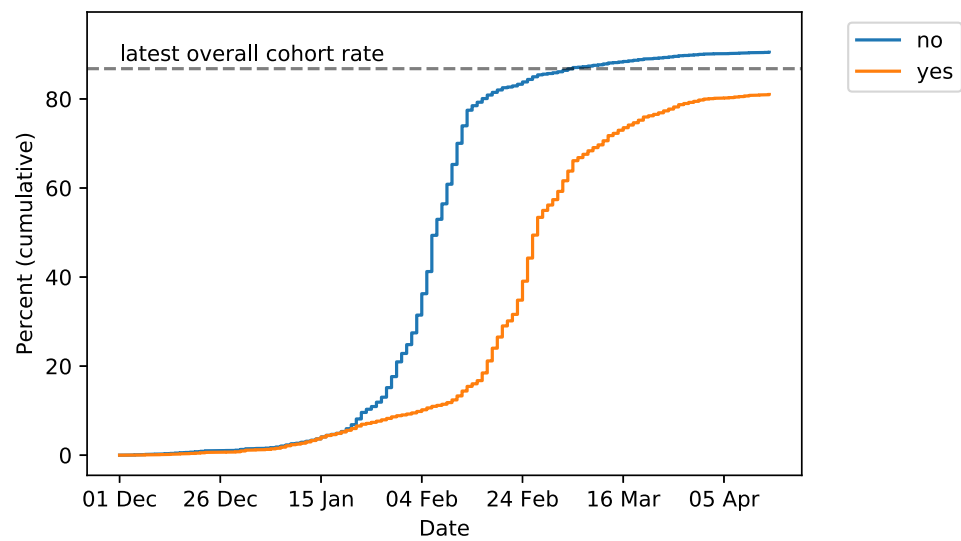
Trends in vaccination rates of shielding population according to demographic/clinical features, cumulatively by day.

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

Shielding population (aged 16-69)

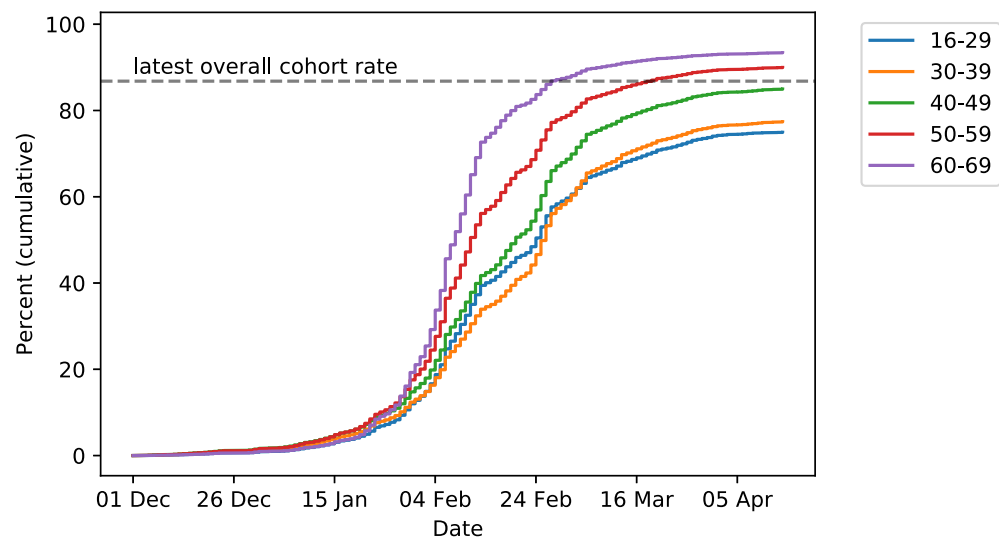
COVID vaccinations among shielding (aged 16-69) population

by newly shielded since feb 15



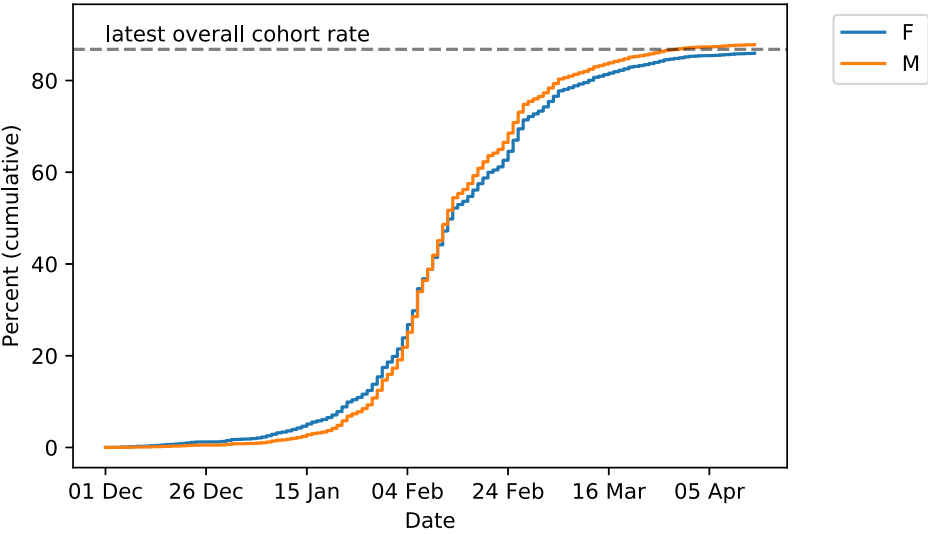
COVID vaccinations among shielding (aged 16-69) population

by Age band



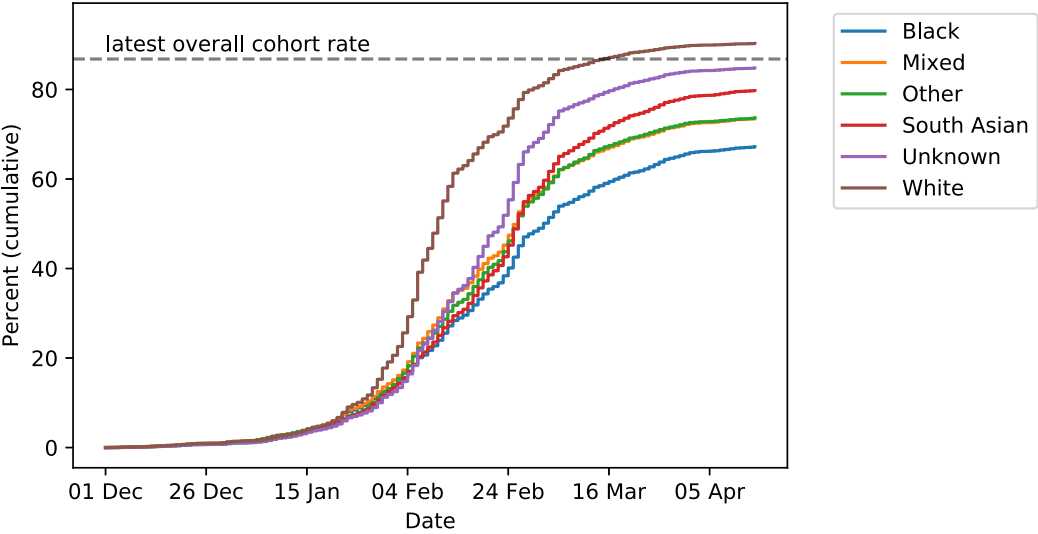
COVID vaccinations among shielding (aged 16-69) population

by Sex



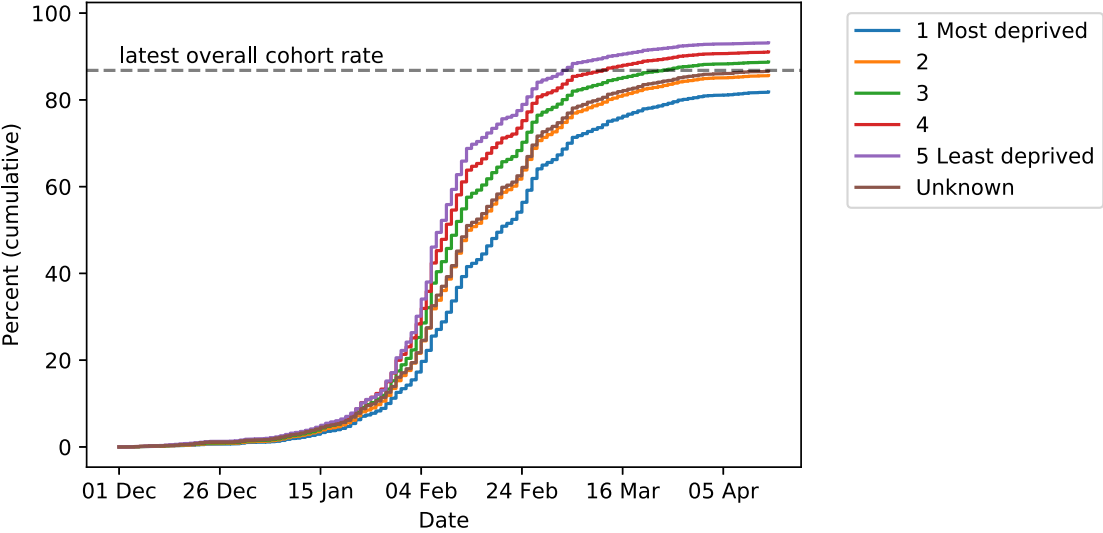
COVID vaccinations among shielding (aged 16-69) population

by Ethnicity (broad categories)



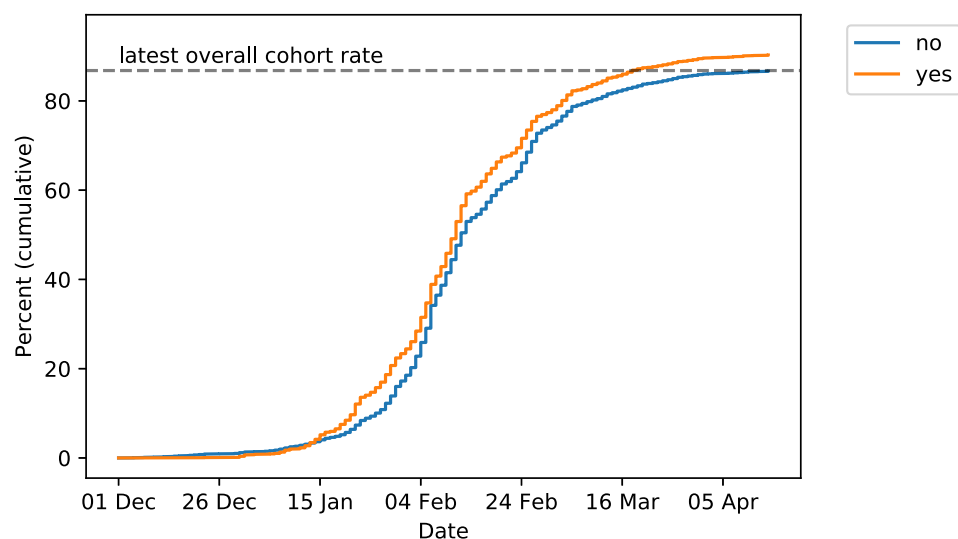
COVID vaccinations among shielding (aged 16-69) population

by Index of Multiple Deprivation (quintiles)



COVID vaccinations among shielding (aged 16-69) population

by Learning disability



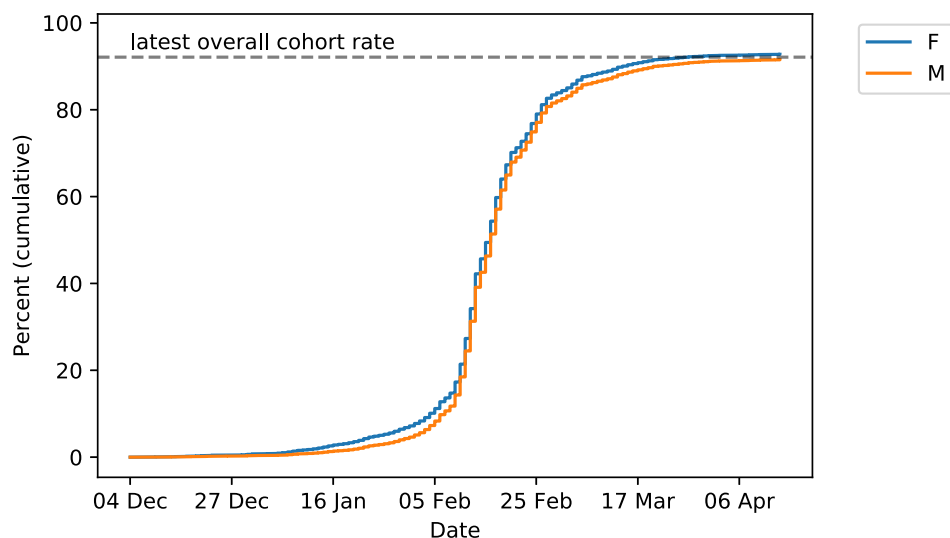
Trends in vaccination rates of 65-69 population according to demographic/clinical features, cumulatively by day.

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

65-69 population

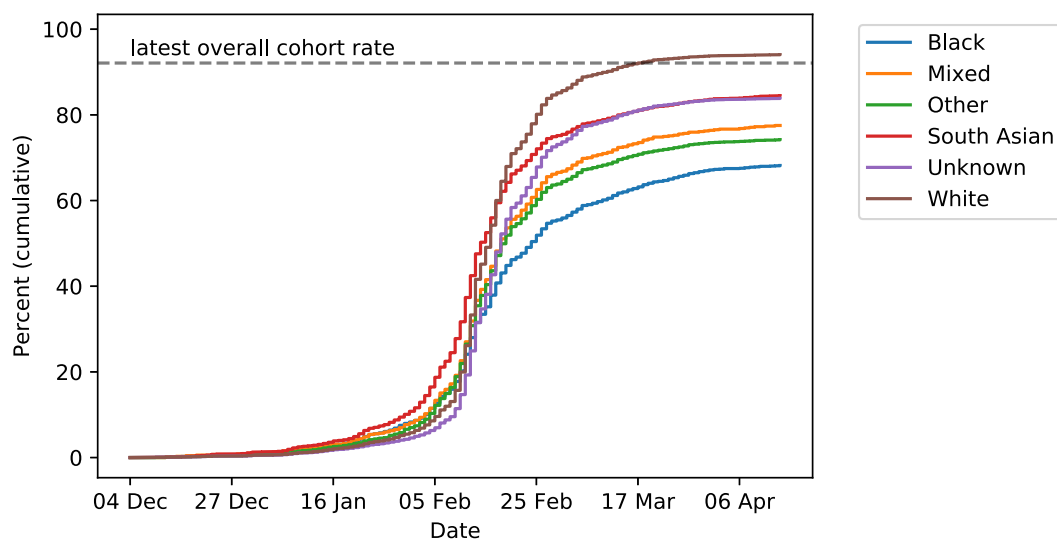
COVID vaccinations among 65-69 population

by Sex



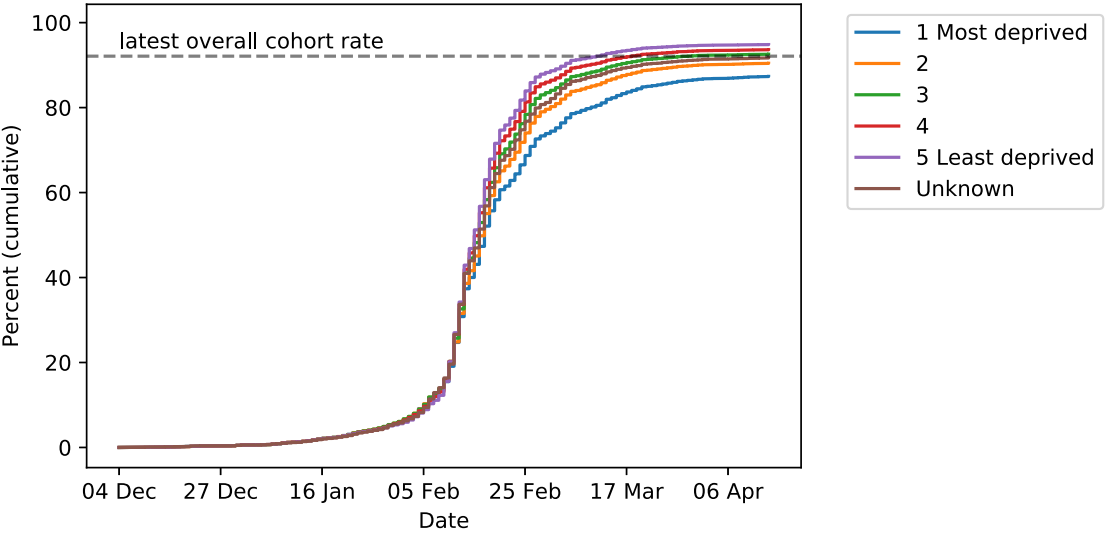
COVID vaccinations among 65-69 population

by Ethnicity (broad categories)



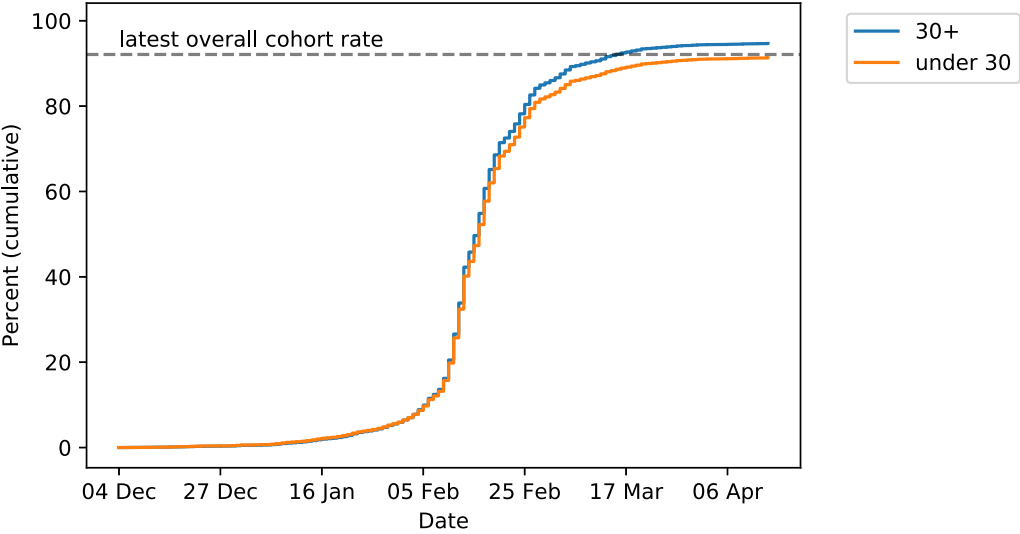
COVID vaccinations among 65-69 population

by Index of Multiple Deprivation (quintiles)



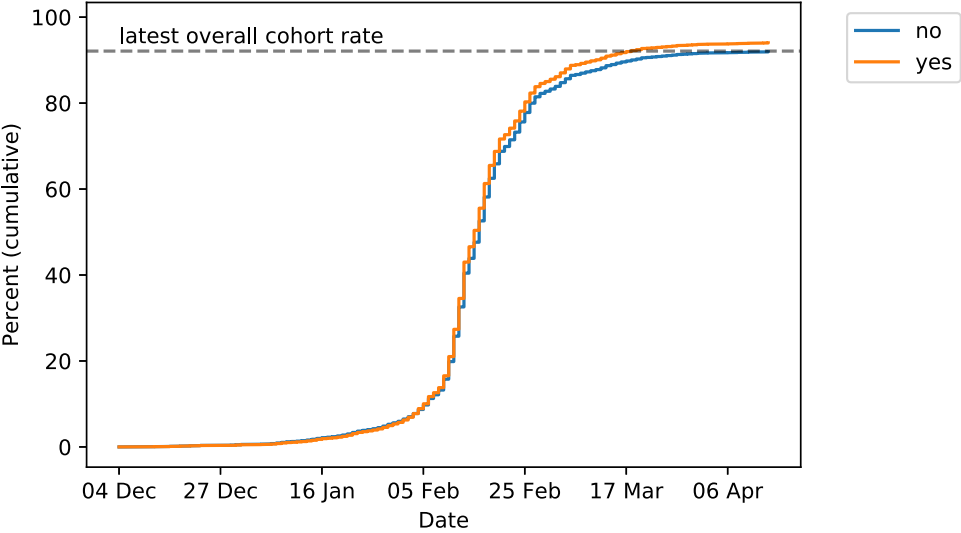
COVID vaccinations among 65-69 population

by BMI



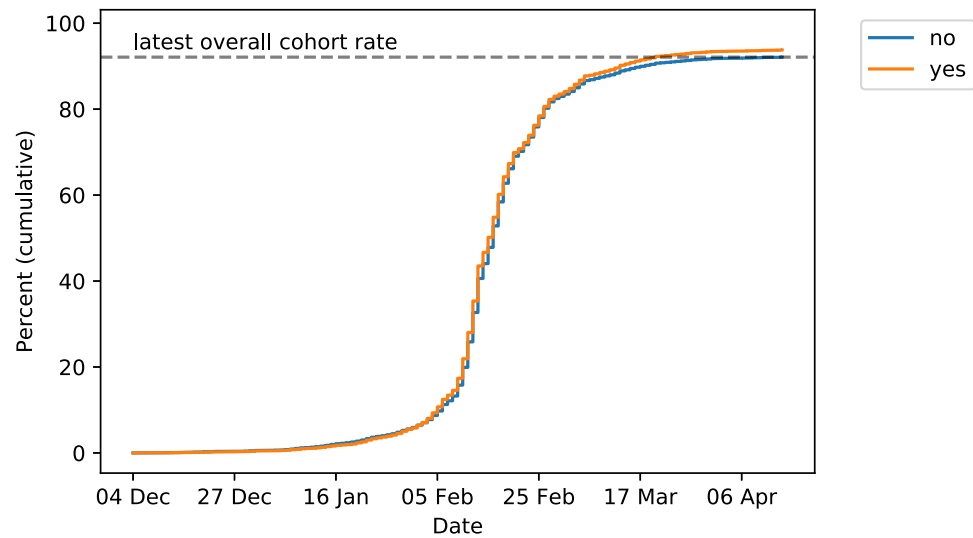
COVID vaccinations among 65-69 population

by Chronic cardiac disease



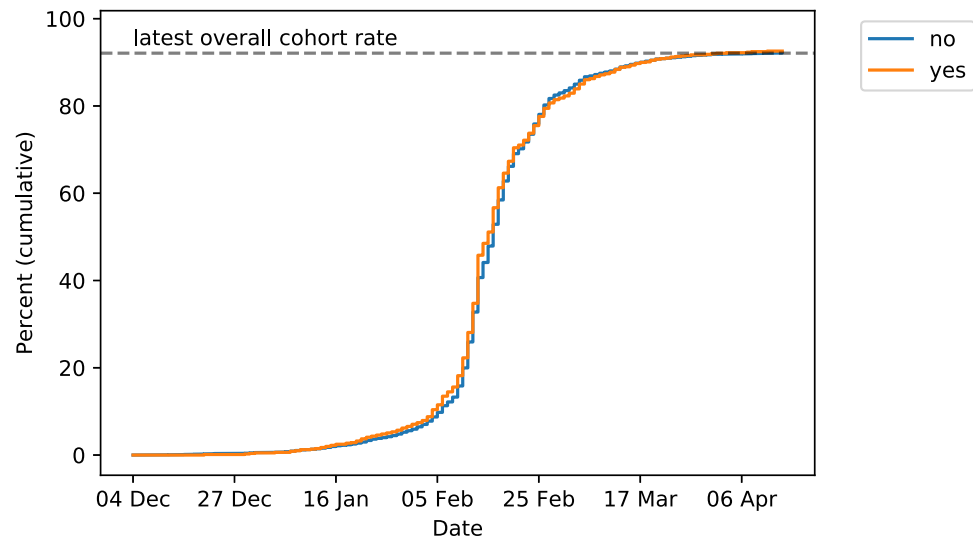
COVID vaccinations among 65-69 population

by Current COPD



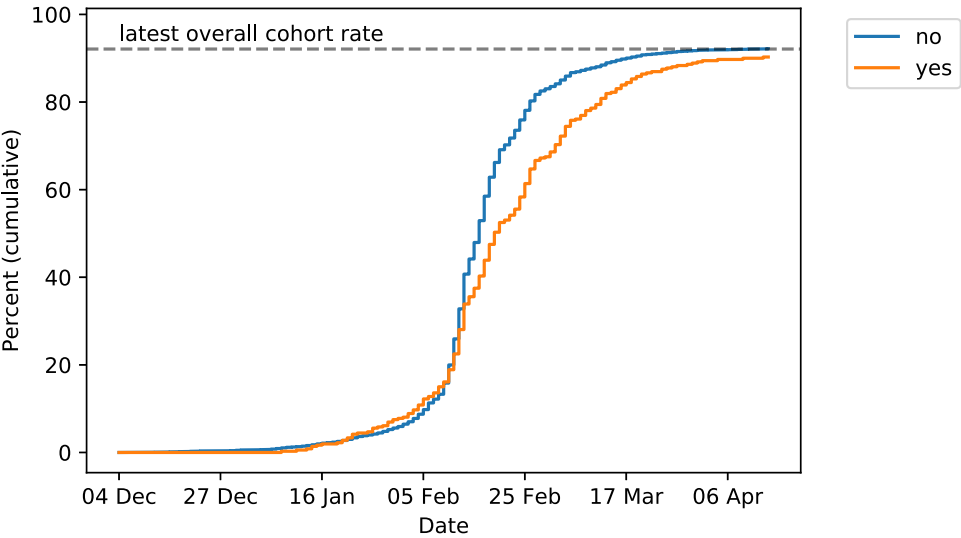
COVID vaccinations among 65-69 population

by Dementia



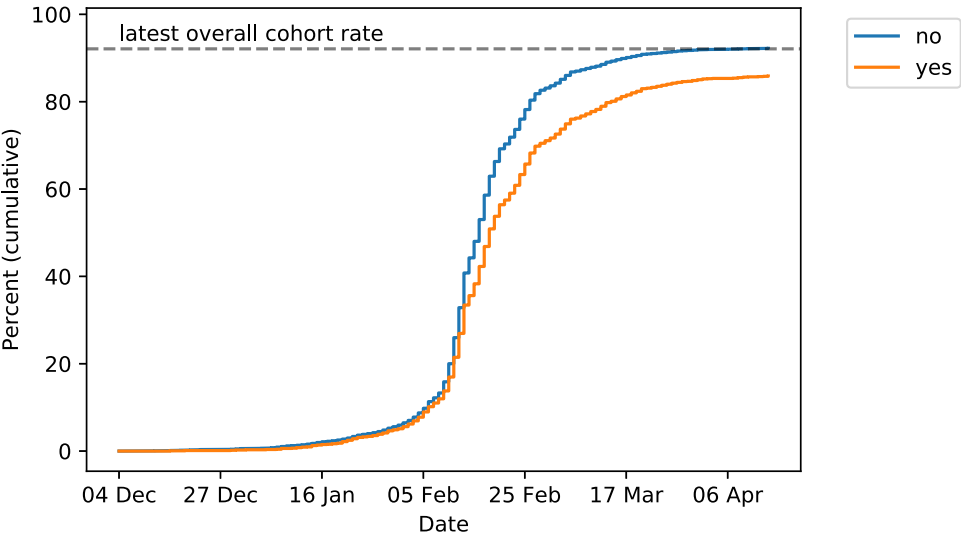
COVID vaccinations among 65-69 population

by Learning disability



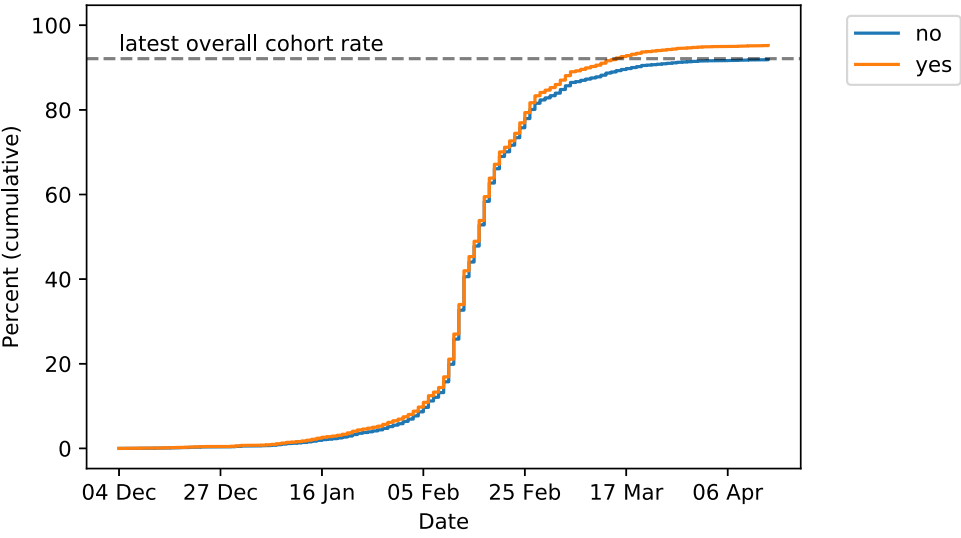
COVID vaccinations among 65-69 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 65-69 population

by SSRI (last 12 months)



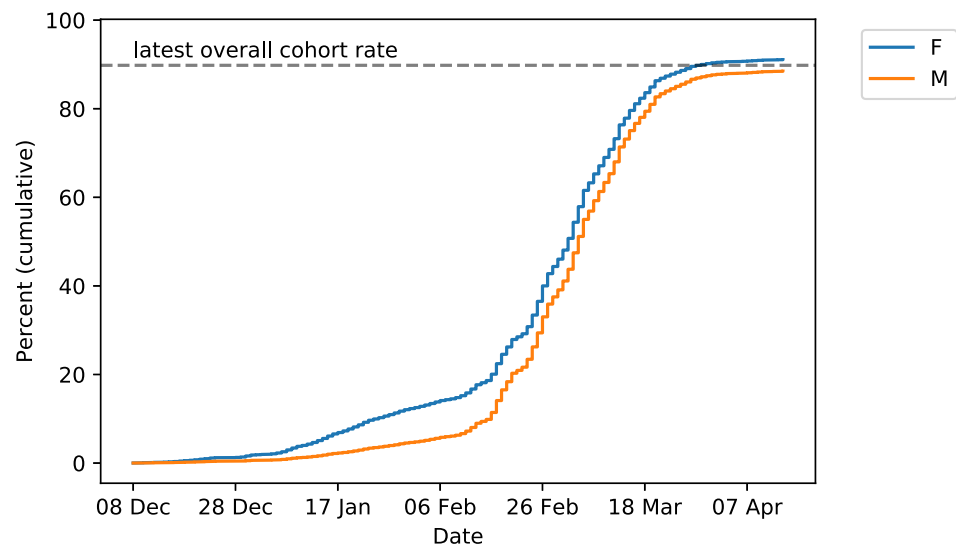
Trends in vaccination rates of 60-64 population according to demographic/clinical features, cumulatively by day.

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

60-64 population

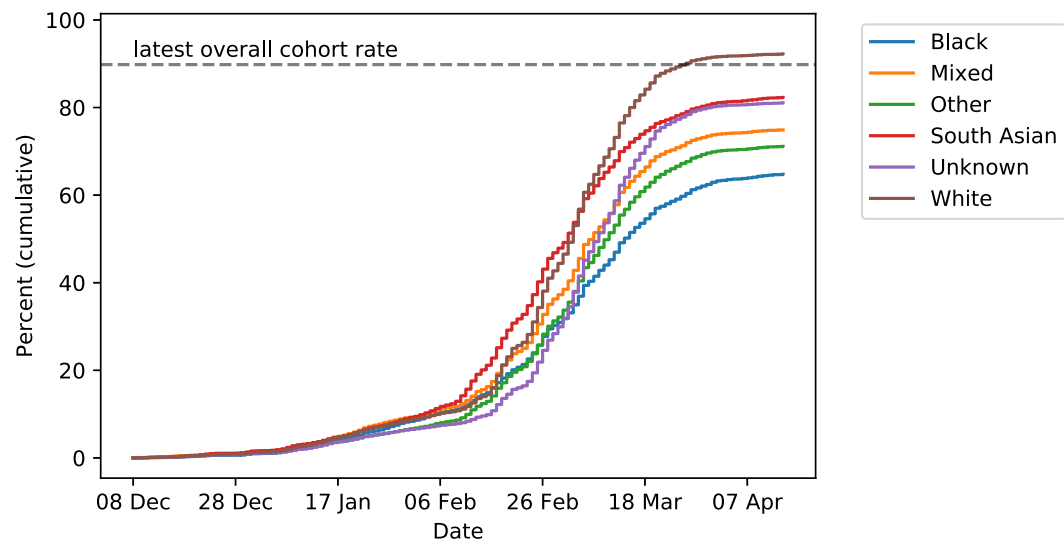
COVID vaccinations among 60-64 population

by Sex



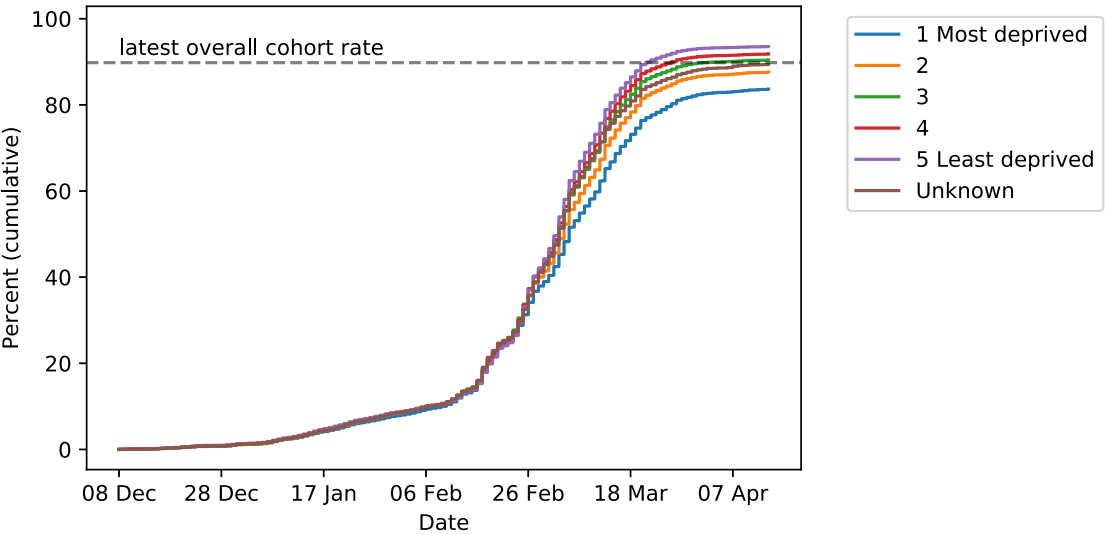
COVID vaccinations among 60-64 population

by Ethnicity (broad categories)



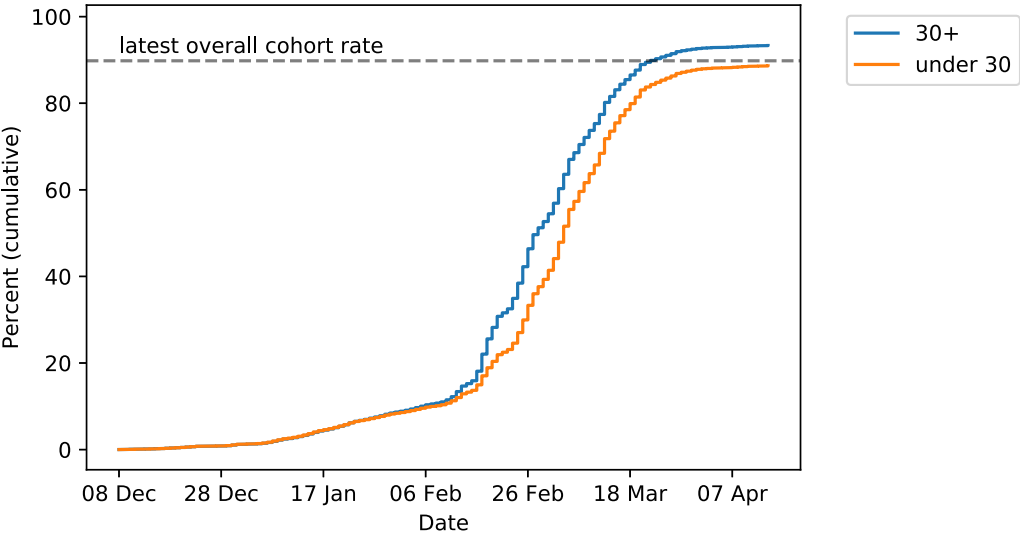
COVID vaccinations among 60-64 population

by Index of Multiple Deprivation (quintiles)



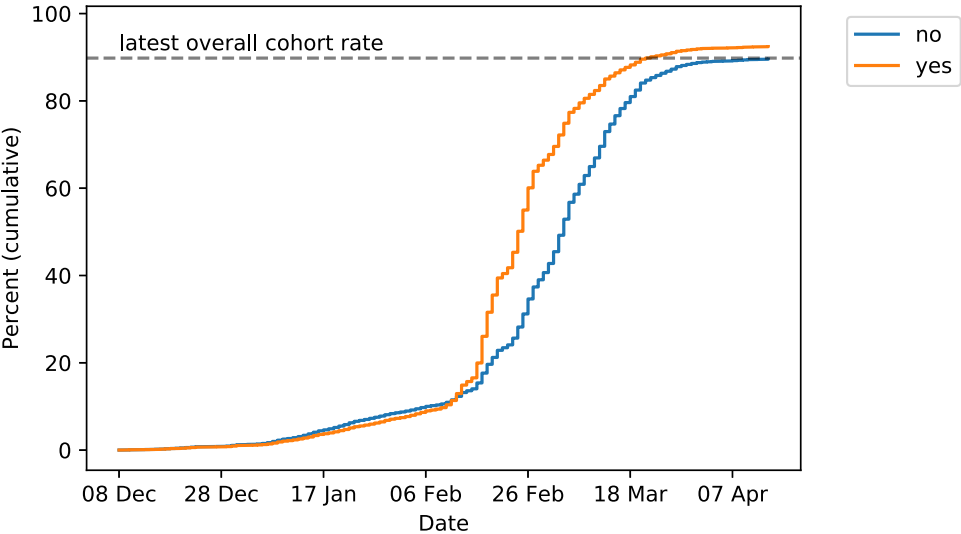
COVID vaccinations among 60-64 population

by BMI



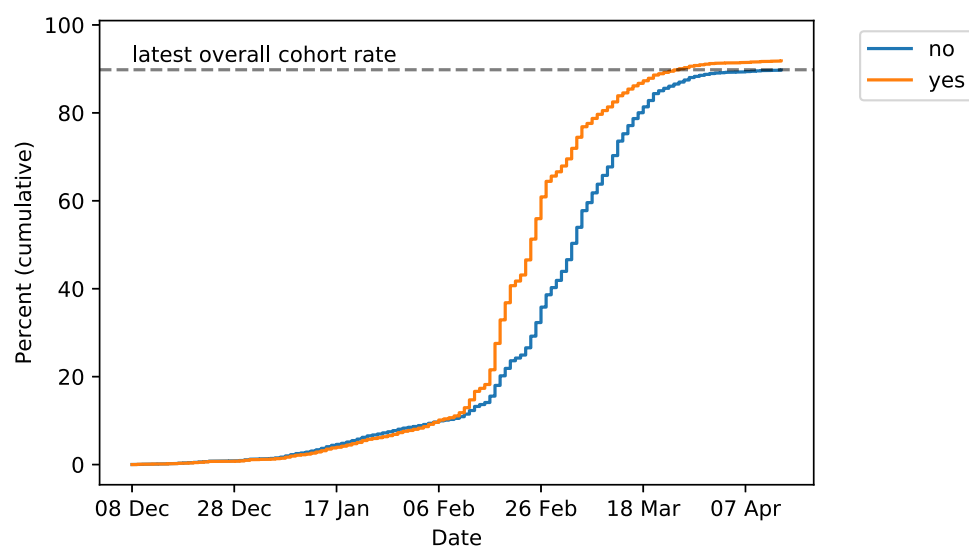
COVID vaccinations among 60-64 population

by Chronic cardiac disease



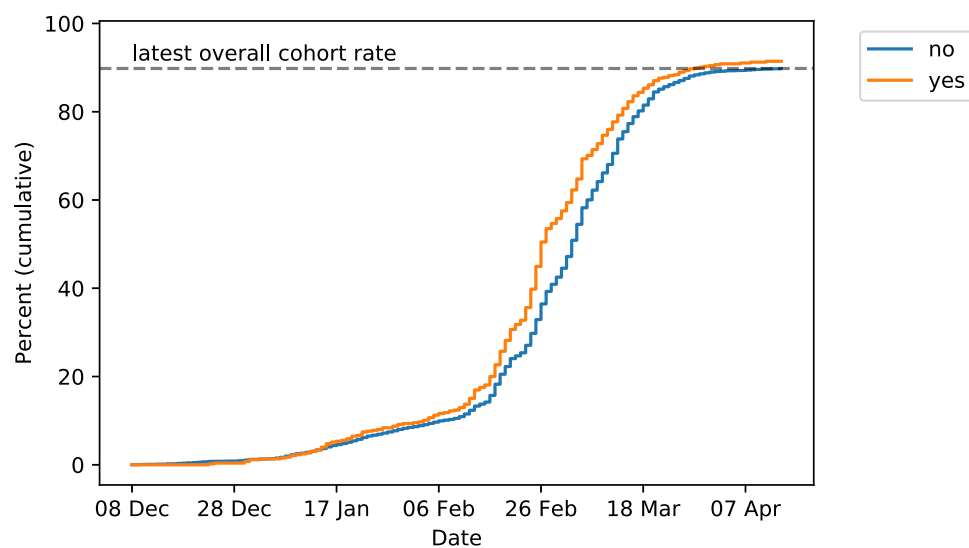
COVID vaccinations among 60-64 population

by Current COPD



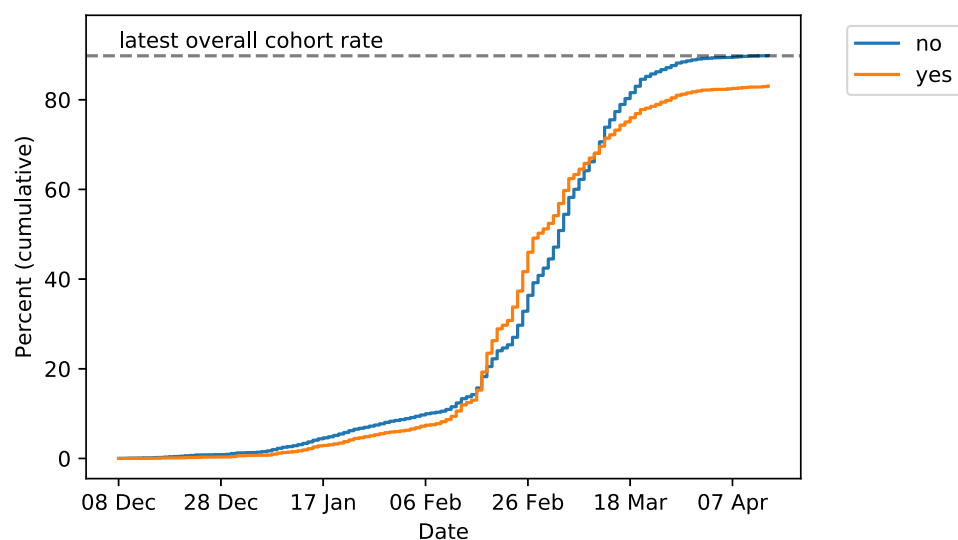
COVID vaccinations among 60-64 population

by Dementia



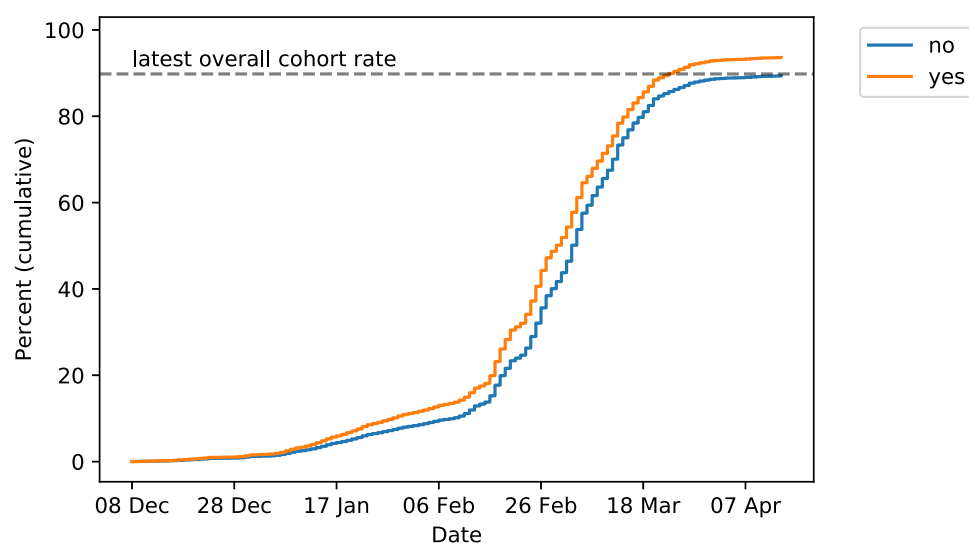
COVID vaccinations among 60-64 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 60-64 population

by SSRI (last 12 months)



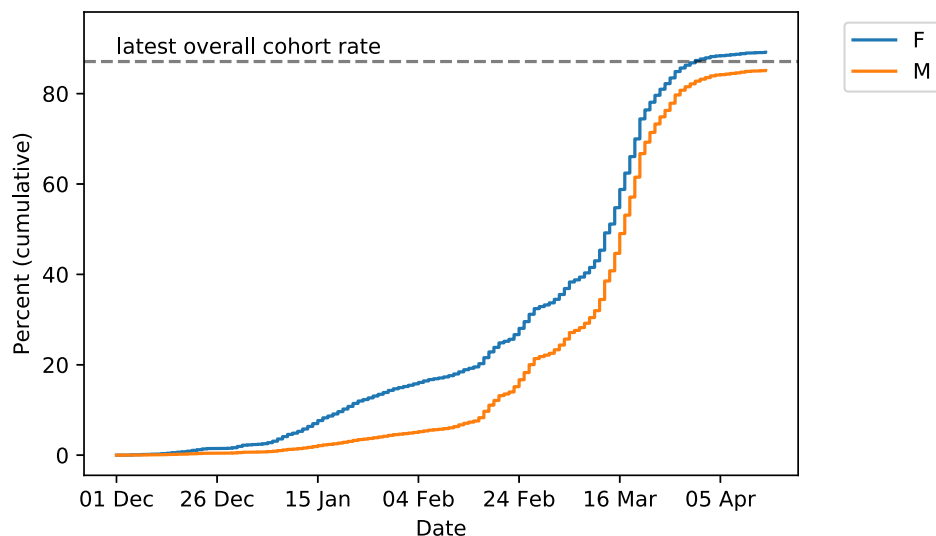
Trends in vaccination rates of 55-59 population according to demographic/clinical features, cumulatively by day.

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

55-59 population

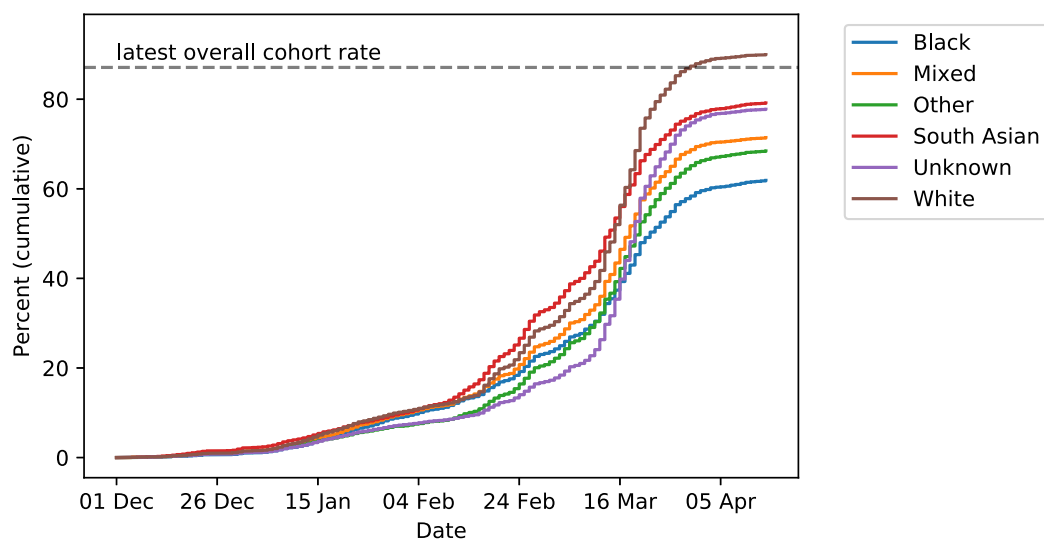
COVID vaccinations among 55-59 population

by Sex



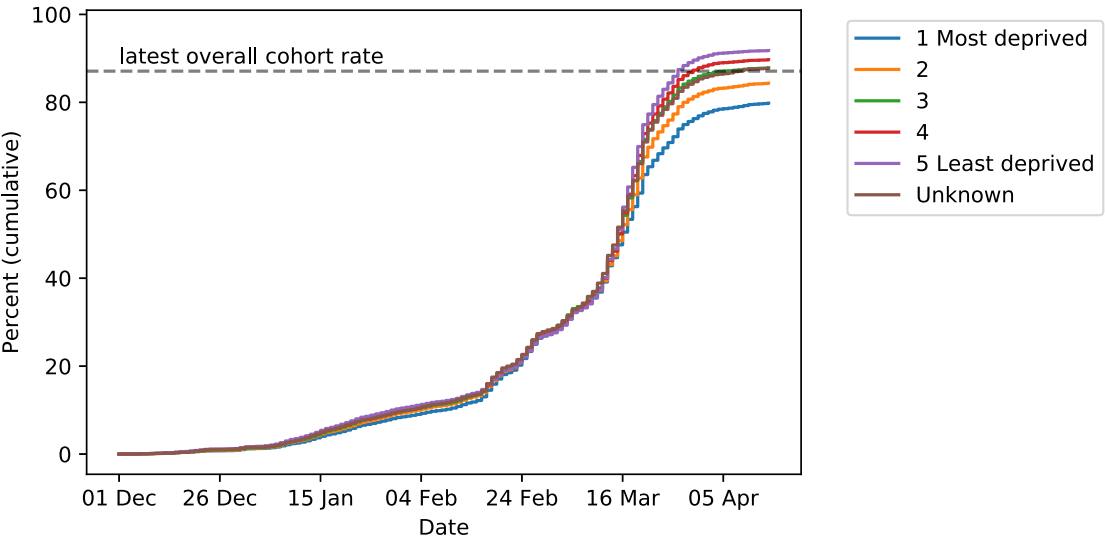
COVID vaccinations among 55-59 population

by Ethnicity (broad categories)



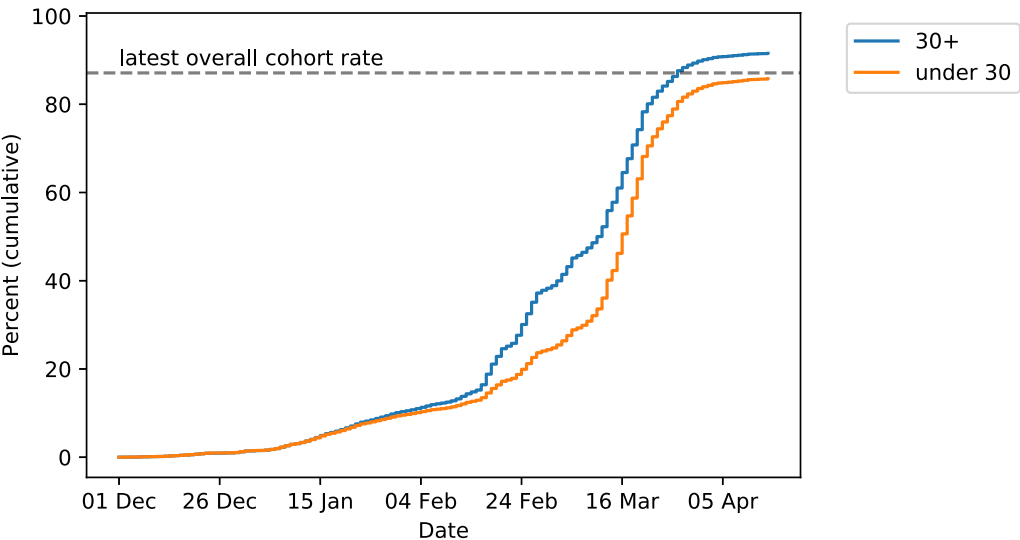
COVID vaccinations among 55-59 population

by Index of Multiple Deprivation (quintiles)



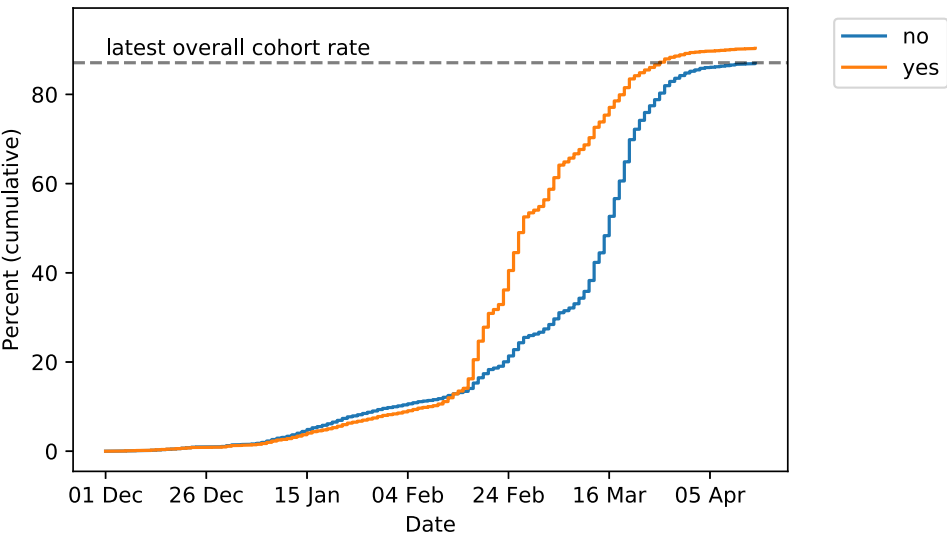
COVID vaccinations among 55-59 population

by BMI



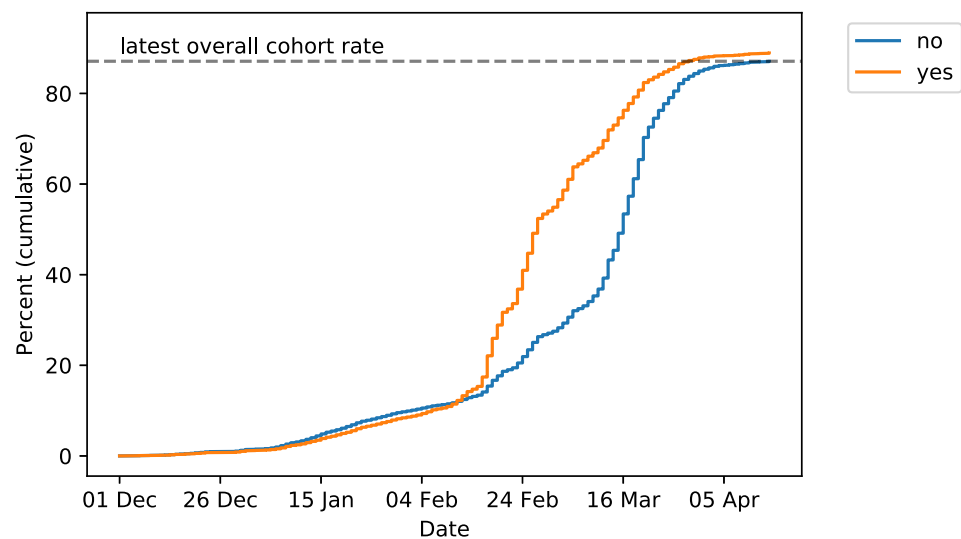
COVID vaccinations among 55-59 population

by Chronic cardiac disease



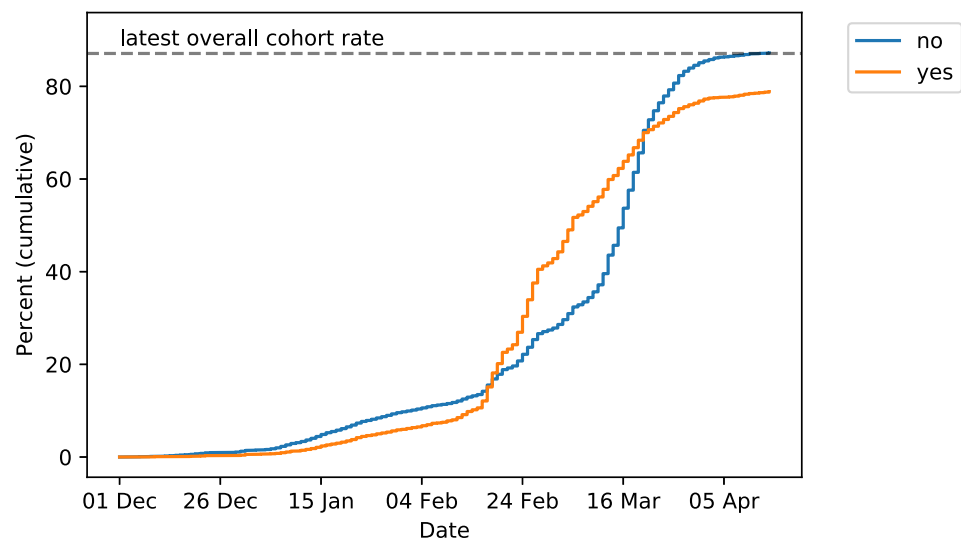
COVID vaccinations among 55-59 population

by Current COPD



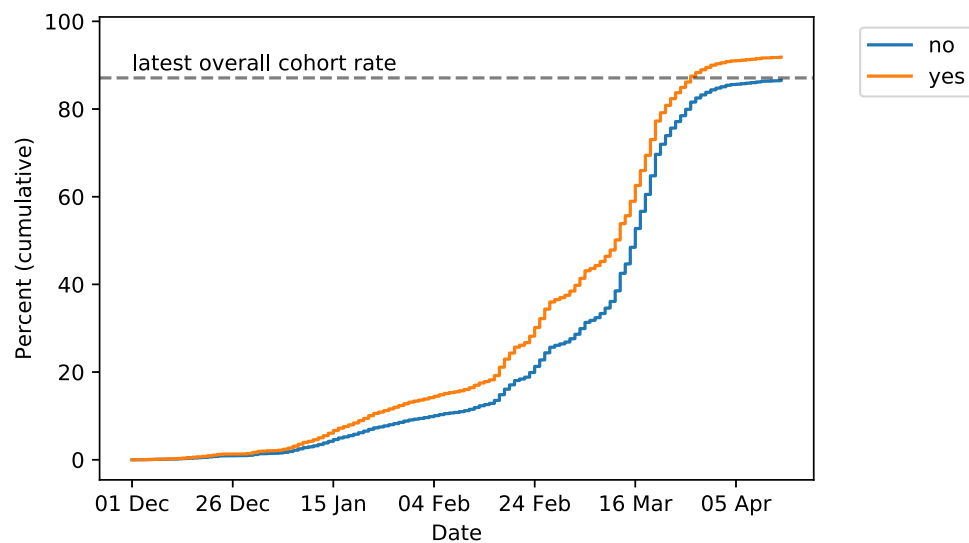
COVID vaccinations among 55-59 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 55-59 population

by SSRI (last 12 months)



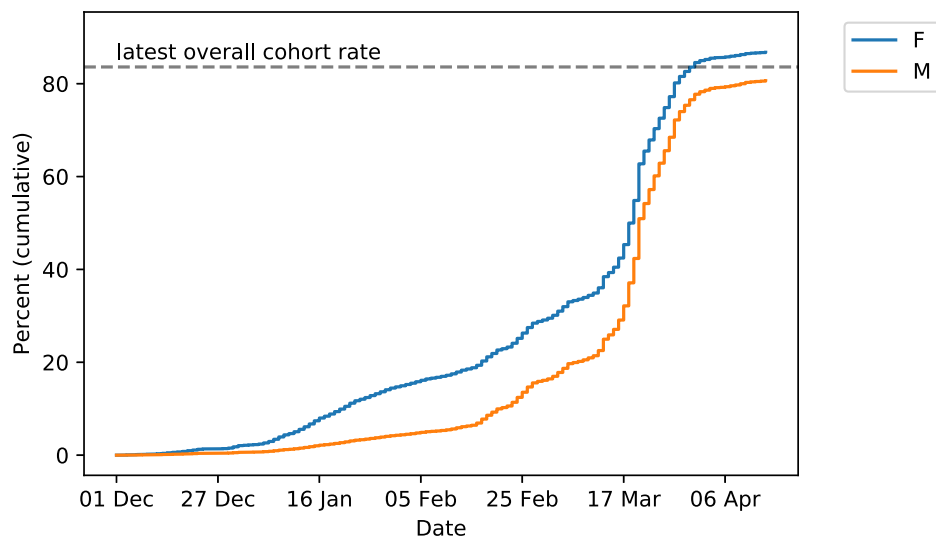
Trends in vaccination rates of 50-54 population according to demographic/clinical features, cumulatively by day.

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

50-54 population

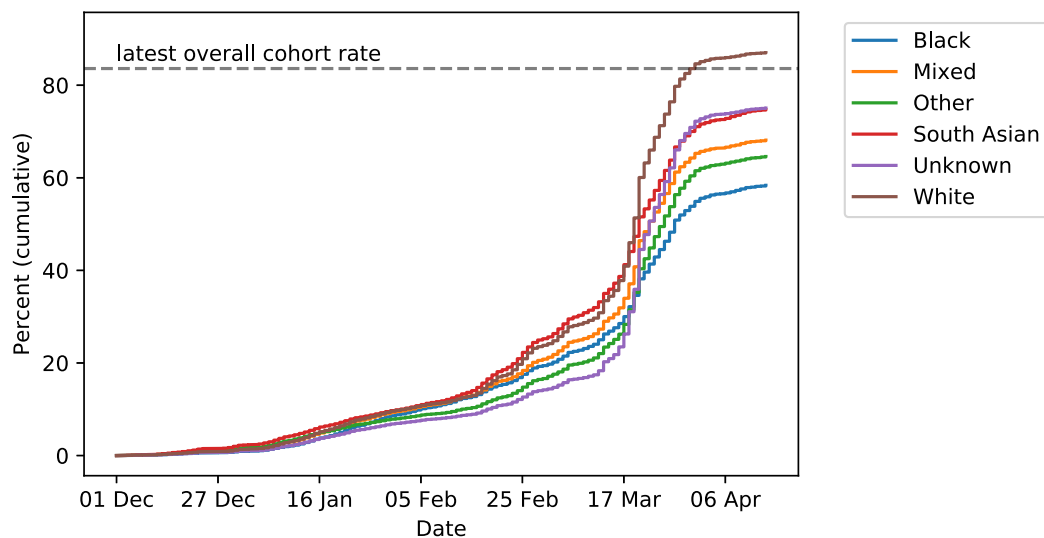
COVID vaccinations among 50-54 population

by Sex



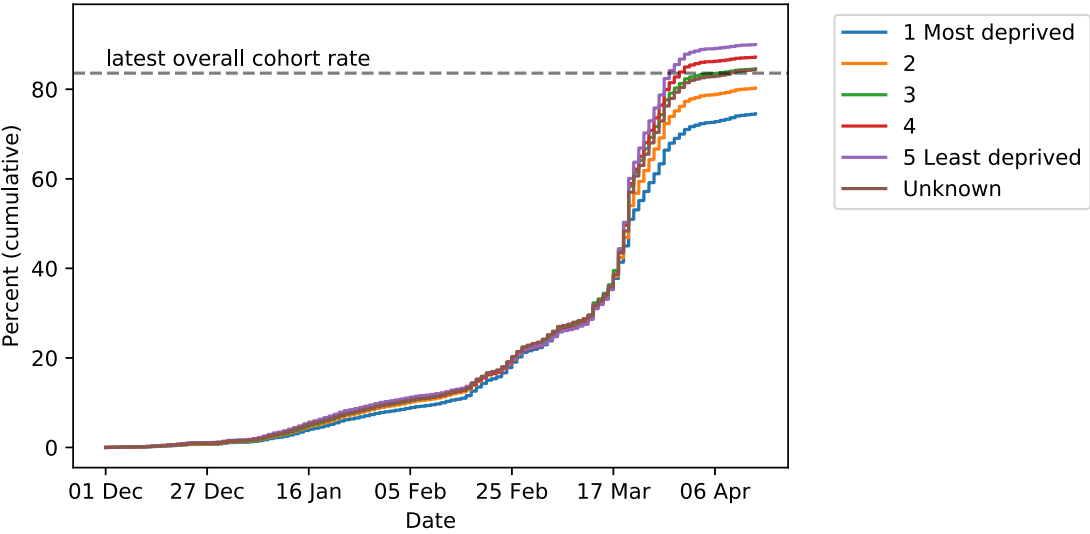
COVID vaccinations among 50-54 population

by Ethnicity (broad categories)



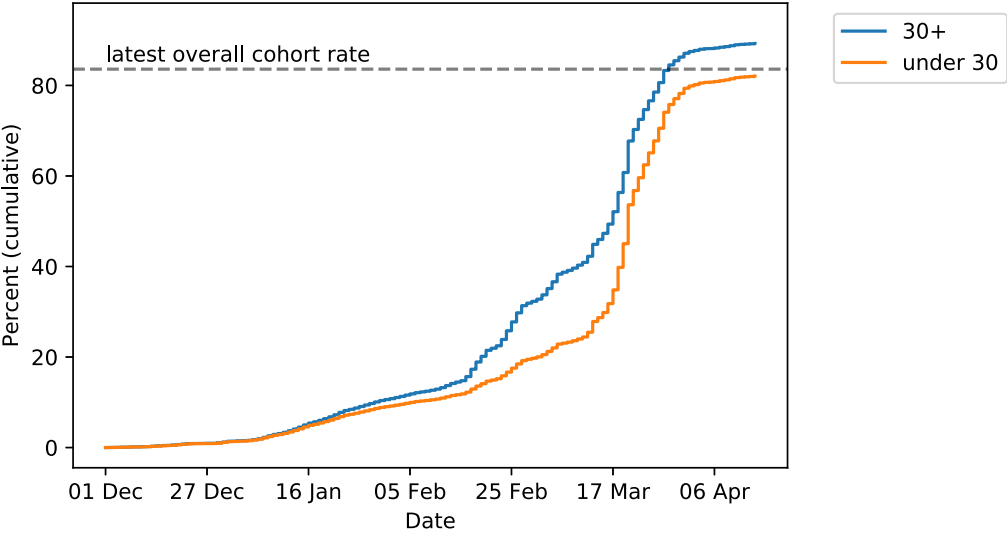
COVID vaccinations among 50-54 population

by Index of Multiple Deprivation (quintiles)



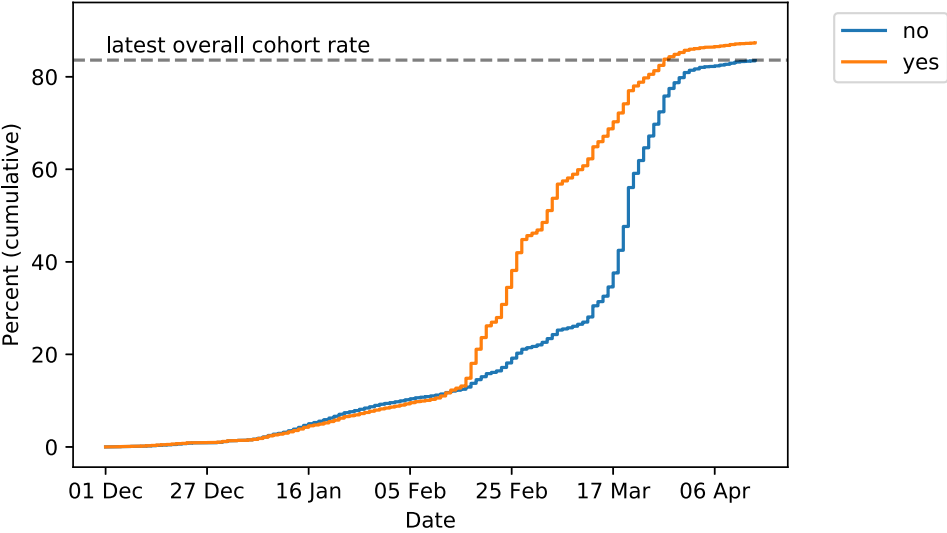
COVID vaccinations among 50-54 population

by BMI



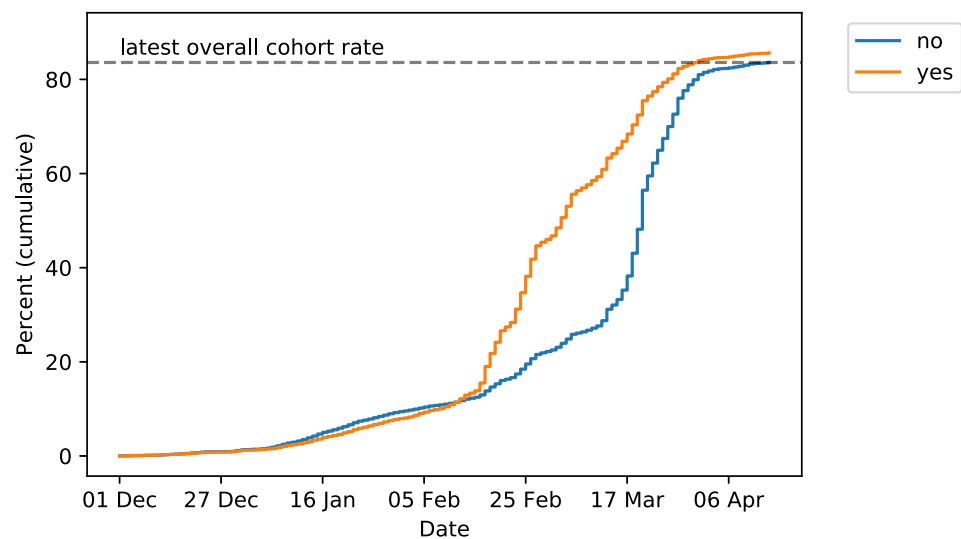
COVID vaccinations among 50-54 population

by Chronic cardiac disease



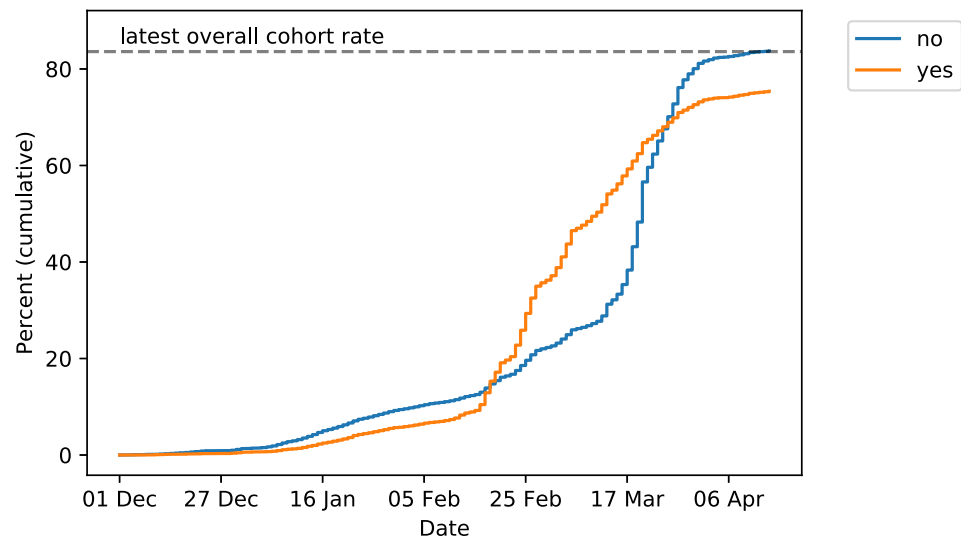
COVID vaccinations among 50-54 population

by Current COPD



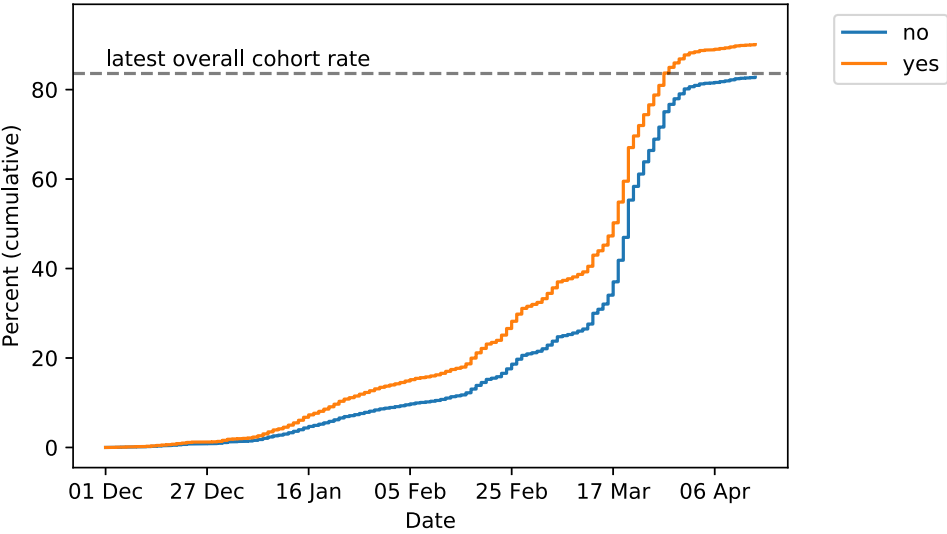
COVID vaccinations among 50-54 population

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 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1075580	95.9	1121701	95.8	0.1
Sex	F	623112	95.8	650377	95.7	0.1
	M	452459	96.0	471317	95.9	0.1
Age band	80-84	566041	96.2	588637	96.0	0.2
	85-89	336294	96.0	350294	95.9	0.1
	90+	173236	94.8	182763	94.6	0.2
Ethnicity (broad categories)	Black	8267	74.7	11067	74.3	0.4
	Mixed	2702	82.8	3262	82.6	0.2
	Other	5593	82.6	6769	82.4	0.2
	South Asian	24619	86.5	28455	86.2	0.3
	Unknown	54320	86.5	62776	86.4	0.1
	White	980070	97.1	1009365	97.0	0.1
	White	980070	97.1	1009365	97.0	0.1
ethnicity 16 groups	African	1372	65.6	2093	65.2	0.4
	Bangladeshi or British Bangladeshi	1071	81.4	1316	80.9	0.5
	Caribbean	5929	77.6	7637	77.3	0.3
	Chinese	1351	79.8	1694	79.3	0.5
	Other	4249	83.6	5082	83.5	0.1
	Other Asian	3661	83.1	4403	83.0	0.1
	British or Mixed British	931063	97.4	956277	97.2	0.2
	Indian or British Indian	13671	91.2	14994	91.0	0.2
	Irish	9191	94.9	9681	94.8	0.1
	Other Black	966	72.3	1337	71.7	0.6
	Other White	39816	91.7	43421	91.6	0.1
	Other mixed	994	86.1	1155	86.1	0.0
	Pakistani or British Pakistani	6216	80.2	7749	79.8	0.4
	Unknown	54306	86.5	62755	86.4	0.1
	White + Asian	469	87.0	539	87.0	0.0
	White + Black African	266	71.7	371	71.7	0.0
	White + Black Caribbean	966	80.2	1204	79.7	0.5
	1 Most deprived	134855	92.7	145411	92.5	0.2
	2	177975	94.7	187866	94.6	0.1
	3	240646	96.2	250138	96.1	0.1
	4	250236	96.7	258650	96.6	0.1
Index of Multiple Deprivation (quintiles)	5 Least deprived	252840	97.4	259658	97.3	0.1
	Unknown	19019	95.3	19964	95.1	0.2
	Unknown	19019	95.3	19964	95.1	0.2
BMI	30+	189469	97.1	195125	97.0	0.1
	under 30	886109	95.6	926569	95.5	0.1
Chronic cardiac disease	no	749889	95.4	785918	95.3	0.1
	yes	325689	97.0	335783	96.9	0.1
Current COPD	no	961807	95.8	1004395	95.6	0.2
	yes	113771	97.0	117299	96.9	0.1

		Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
Dialysis	no	1073576	95.9	1119629	95.8	0.1
	yes	1995	96.6	2065	96.3	0.3
DMARDs	no	1041754	95.8	1087072	95.7	0.1
	yes	33817	97.7	34622	97.6	0.1
Dementia	no	985425	95.9	1027719	95.8	0.1
	yes	90153	95.9	93982	95.7	0.2
Psychosis, schizophrenia, or bipolar	no	1067563	95.9	1113021	95.8	0.1
	yes	8008	92.3	8673	92.1	0.2
Learning disability	no	1075060	95.9	1121148	95.8	0.1
	yes	511	93.6	546	93.6	0.0
SSRI (last 12 months)	no	1008371	95.8	1052863	95.6	0.2
	yes	67200	97.6	68831	97.5	0.1
Chemo or radiotherapy	no	1038772	95.8	1083943	95.7	0.1
	yes	36806	97.5	37751	97.4	0.1
Cancer (lung)	no	1068256	95.9	1114134	95.8	0.1
	yes	7322	96.9	7560	96.7	0.2
Cancer (excluding lung/haem)	no	879921	95.6	920857	95.4	0.2
	yes	195657	97.4	200837	97.3	0.1
Cancer (haematological)	no	1055523	95.9	1101107	95.7	0.2
	yes	20055	97.4	20587	97.3	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.

		Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1966007	95.2	2064944	95.1	0.1
Sex	F	1032514	95.4	1082774	95.2	0.2
	M	933492	95.0	982163	94.9	0.1
Age band	70-74	1136296	94.8	1199163	94.6	0.2
	75-79	829710	95.8	865781	95.7	0.1
Ethnicity (broad categories)	Black	10500	71.5	14686	71.1	0.4
	Mixed	5264	81.8	6433	81.6	0.2
	Other	12229	79.7	15344	79.4	0.3
	South Asian	47572	86.6	54936	86.3	0.3
ethnicity 16 groups	Unknown	127757	88.3	144655	88.2	0.1
	White	1762677	96.4	1828883	96.3	0.1
	African	3458	65.8	5257	65.2	0.6
	Bangladeshi or British Bangladeshi	1540	84.9	1813	84.6	0.3
	Caribbean	5229	75.2	6958	74.7	0.5
	Chinese	3199	78.8	4060	78.4	0.4
	Other	9037	80.0	11298	79.7	0.3
	Other Asian	9345	83.6	11172	83.4	0.2
	British or Mixed British	1675926	96.8	1730701	96.7	0.1
	Indian or British Indian	27391	90.4	30303	90.2	0.2
	Irish	14147	93.3	15162	93.2	0.1
	Other Black	1820	73.4	2478	73.2	0.2
	Other White	72583	87.4	83006	87.2	0.2
	Other mixed	2100	83.6	2513	83.3	0.3
	Pakistani or British Pakistani	9289	79.8	11634	79.3	0.5
	Unknown	127771	88.3	144669	88.2	0.1
	White + Asian	1197	87.7	1365	87.2	0.5
	White + Black African	812	75.8	1071	75.8	0.0
	White + Black Caribbean	1169	78.8	1484	78.3	0.5
Index of Multiple Deprivation (quintiles)	1 Most deprived	251496	92.2	272657	92.0	0.2
	2	329805	94.1	350637	93.9	0.2
	3	438606	95.4	459522	95.3	0.1
	4	456519	96.0	475335	95.9	0.1
	5 Least deprived	453446	96.8	468468	96.7	0.1
	Unknown	36134	94.3	38325	94.1	0.2
BMI	30+	493458	96.6	510713	96.5	0.1
	under 30	1472541	94.7	1554224	94.6	0.1
Chronic cardiac disease	no	1608831	95.0	1694392	94.8	0.2
	yes	357168	96.4	370552	96.3	0.1
Current COPD	no	1776649	95.1	1868650	94.9	0.2
	yes	189350	96.5	196294	96.3	0.2
Dialysis	no	1962086	95.2	2060863	95.1	0.1

		Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
	yes	3913	95.9	4081	95.7	0.2
DMARDs	no	1895845	95.1	1992865	95.0	0.1
	yes	70161	97.3	72079	97.2	0.1
Dementia	no	1924237	95.2	2021278	95.1	0.1
	yes	41762	95.6	43666	95.4	0.2
Psychosis, schizophrenia, or bipolar	no	1947421	95.3	2044434	95.1	0.2
	yes	18578	90.6	20503	90.4	0.2
Learning disability	no	1963178	95.2	2061899	95.1	0.1
	yes	2821	92.6	3045	92.2	0.4
SSRI (last 12 months)	no	1815478	95.0	1910125	94.9	0.1
	yes	150528	97.2	154812	97.1	0.1
Chemo or radiotherapy	no	1898631	95.1	1995574	95.0	0.1
	yes	67368	97.1	69363	97.0	0.1
Cancer (lung)	no	1953791	95.2	2052274	95.1	0.1
	yes	12208	96.4	12663	96.2	0.2
Cancer (excluding lung/haem)	no	1688218	94.9	1778707	94.8	0.1
	yes	277788	97.1	286230	96.9	0.2
Cancer (haematological)	no	1936529	95.2	2034515	95.1	0.1
	yes	29477	96.9	30422	96.7	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.
- 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 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	80514	96.0	83888	95.6	0.4
Sex	F	57302	96.3	59500	95.9	0.4
	M	23212	95.2	24381	94.8	0.4
Age band	65-69	4389	92.3	4753	91.8	0.5
	70-74	6769	94.0	7203	93.4	0.6
	75-79	9394	95.4	9849	94.9	0.5
	80-84	14049	96.2	14609	95.8	0.4
	85-89	18865	96.6	19523	96.3	0.3
	90+	27048	96.8	27951	96.4	0.4
Ethnicity (broad categories)	Black	399	86.4	462	84.8	1.6
	Mixed	203	90.6	224	90.6	0.0
	Other	343	94.2	364	94.2	0.0
	South Asian	623	91.8	679	91.8	0.0
	Unknown	2037	93.9	2170	93.2	0.7
	White	76909	96.1	79996	95.8	0.3
Dementia	no	36421	94.9	38395	94.4	0.5
	yes	44093	96.9	45486	96.6	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 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	715755	86.8	824887	86.4	0.4
newly shielded since feb 15	no	454153	90.5	501942	90.3	0.2
	yes	261604	81.0	322952	80.4	0.6
Sex	F	397880	85.9	462980	85.6	0.3
	M	317870	87.8	361900	87.5	0.3
Age band	16-29	51695	74.9	68978	74.7	0.2
	30-39	97951	77.4	126553	76.9	0.5
	40-49	140483	85.0	165340	84.5	0.5
	50-59	204575	90.0	227360	89.7	0.3
	60-69	221039	93.4	236642	93.2	0.2
Ethnicity (broad categories)	Black	29890	67.2	44478	66.5	0.7
	Mixed	10479	73.5	14266	72.9	0.6
	Other	13370	73.7	18151	73.0	0.7
	South Asian	86317	79.7	108248	79.0	0.7
	Unknown	27412	84.8	32340	84.4	0.4
Index of Multiple Deprivation (quintiles)	White	548268	90.3	607390	90.0	0.3
	1 Most deprived	199367	81.8	243726	81.3	0.5
	2	159831	85.6	186697	85.2	0.4
	3	138880	88.7	156548	88.4	0.3
	4	111664	91.0	122675	90.8	0.2
	5 Least deprived	88830	93.1	95375	92.9	0.2
	Unknown	17185	86.6	19845	86.3	0.3
Learning disability	no	691523	86.7	798035	86.3	0.4
	yes	24227	90.3	26838	89.9	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 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	987174	92.1	1071287	92.0	0.1
Sex	F	507808	92.8	547449	92.6	0.2
	M	479360	91.5	523831	91.3	0.2
Ethnicity (broad categories)	Black	7364	68.2	10801	67.7	0.5
	Mixed	3815	77.5	4921	77.0	0.5
	Other	8827	74.2	11893	73.9	0.3
	South Asian	36645	84.5	43372	84.0	0.5
	Unknown	84567	83.8	100863	83.7	0.1
	White	845943	94.1	899430	93.9	0.2
	White	845943	94.1	899430	93.9	0.2
ethnicity 16 groups	African	2814	65.6	4291	64.9	0.7
	Bangladeshi or British Bangladeshi	1491	86.6	1722	86.2	0.4
	Caribbean	3080	68.6	4487	68.3	0.3
	Chinese	2849	75.2	3787	74.9	0.3
	Other	5978	73.8	8099	73.5	0.3
	Other Asian	6734	83.1	8106	82.7	0.4
	British or Mixed British	800947	95.1	842086	95.0	0.1
	Indian or British Indian	20132	88.4	22778	88.1	0.3
	Irish	5873	89.7	6545	89.5	0.2
	Other Black	1463	72.3	2023	72.0	0.3
	Other White	39109	77.0	50792	76.7	0.3
	Other mixed	1470	77.5	1897	77.1	0.4
	Pakistani or British Pakistani	8288	77.0	10759	76.2	0.8
	Unknown	84588	83.8	100884	83.7	0.1
	White + Asian	875	85.6	1022	84.9	0.7
	White + Black African	644	72.4	889	70.9	1.5
	White + Black Caribbean	833	74.4	1120	73.8	0.6
	1 Most deprived	133637	87.3	153020	87.0	0.3
	2	170359	90.4	188398	90.2	0.2
	3	219121	92.6	236740	92.4	0.2
	4	224098	93.6	239358	93.5	0.1
Index of Multiple Deprivation (quintiles)	5 Least deprived	219989	94.8	231987	94.7	0.1
	Unknown	19971	91.7	21777	91.5	0.2
	30+	253372	94.7	267645	94.5	0.2
	under 30	733803	91.3	803635	91.1	0.2
	no	882602	91.9	960043	91.8	0.1
Chronic cardiac disease	yes	104573	94.0	111237	93.8	0.2
	no	949067	92.1	1030638	91.9	0.2
Current COPD	yes	38108	93.7	40649	93.6	0.1
	no	968268	92.1	1051470	91.9	0.2
DMARDs	yes	18900	95.4	19810	95.2	0.2
	no	981932	92.1	1065624	92.0	0.1
Dementia	no	981932	92.1	1065624	92.0	0.1

Category	Group	Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	5236	92.6	5656	92.3	0.3
	no	977179	92.2	1059639	92.0	0.2
	yes	9996	85.9	11641	85.4	0.5
Learning disability	no	984900	92.2	1068760	92.0	0.2
	yes	2275	90.3	2520	89.7	0.6
SSRI (last 12 months)	no	900585	91.9	980336	91.7	0.2
	yes	86583	95.2	90944	95.0	0.2
	no	968366	92.1	1051561	91.9	0.2
Chemo or radiotherapy	yes	18809	95.4	19719	95.2	0.2
	no	985509	92.1	1069488	92.0	0.1
Cancer (lung)	yes	1659	92.6	1792	92.2	0.4
	no	903707	91.9	983556	91.7	0.2
Cancer (excluding lung/haem)	yes	83468	95.1	87731	95.0	0.1
	no	983724	92.1	1067612	92.0	0.1
Cancer (haematological)	yes	3444	93.9	3668	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.

		Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	65217	80.3	81249	79.5	0.8
Sex	F	25410	82.8	30681	82.2	0.6
	M	39809	78.7	50561	77.9	0.8
Age band	16-29	24409	73.0	33453	72.3	0.7
	30-34	8400	79.6	10549	78.5	1.1
	35-39	6321	82.9	7623	82.2	0.7
	40-44	5117	85.5	5985	84.9	0.6
	45-49	5271	86.6	6090	85.6	1.0
	50-54	5719	88.8	6440	87.8	1.0
	55-59	5698	89.4	6377	88.5	0.9
	60-64	4277	90.5	4725	89.9	0.6
Ethnicity (broad categories)	Black	721	54.2	1330	53.2	1.0
	Mixed	658	61.0	1078	60.4	0.6
	Other	434	63.9	679	63.9	0.0
	South Asian	2996	64.6	4641	63.2	1.4
	Unknown	5082	77.6	6552	76.9	0.7
	White	55321	82.6	66969	81.9	0.7

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 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1145434	89.8	1275925	89.4	0.4
Sex	F	577962	91.1	634543	90.8	0.3
	M	567462	88.5	641375	88.1	0.4
Ethnicity (broad categories)	Black	12635	64.8	19509	63.9	0.9
	Mixed	5950	74.9	7945	74.4	0.5
	Other	11522	71.1	16198	70.6	0.5
	South Asian	43120	82.3	52388	81.7	0.6
	Unknown	114086	81.0	140763	80.7	0.3
	White	958111	92.2	1039108	91.9	0.3
	White	958111	92.2	1039108	91.9	0.3
ethnicity 16 groups	African	5005	65.1	7686	64.1	1.0
	Bangladeshi or British Bangladeshi	1925	85.4	2254	84.5	0.9
	Caribbean	4963	63.4	7833	62.6	0.8
	Chinese	3556	74.8	4753	74.4	0.4
	Other	7973	69.7	11445	69.0	0.7
	Other Asian	8904	80.3	11088	79.7	0.6
	British or Mixed British	902412	93.8	962227	93.5	0.3
	Indian or British Indian	22645	86.2	26264	85.9	0.3
	Irish	5656	86.4	6545	86.0	0.4
	Other Black	2667	66.8	3990	66.3	0.5
	Other White	50029	71.1	70315	70.6	0.5
	Other mixed	2254	74.2	3038	73.7	0.5
	Pakistani or British Pakistani	9639	75.5	12775	74.2	1.3
	Unknown	114100	81.0	140791	80.7	0.3
	White + Asian	1239	84.7	1463	84.2	0.5
	White + Black African	1071	72.2	1484	71.2	1.0
	White + Black Caribbean	1386	70.7	1960	70.4	0.3
Index of Multiple Deprivation (quintiles)	1 Most deprived	165746	83.6	198170	83.1	0.5
	2	202538	87.6	231259	87.2	0.4
	3	250383	90.4	276976	90.1	0.3
	4	255675	91.8	278523	91.5	0.3
	5 Least deprived	247891	93.5	265034	93.3	0.2
	Unknown	23198	89.4	25956	89.0	0.4
BMI	30+	288974	93.3	309631	93.0	0.3
	under 30	856450	88.6	966280	88.3	0.3
Chronic cardiac disease	no	1059121	89.6	1182545	89.2	0.4
	yes	86303	92.4	93366	92.2	0.2
Current COPD	no	1113777	89.7	1241429	89.4	0.3
	yes	31654	91.8	34482	91.5	0.3
DMARDs	no	1125901	89.7	1255177	89.4	0.3
	yes	19523	94.1	20741	93.9	0.2
Dementia	no	1142064	89.8	1272243	89.4	0.4

Category	Group	Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	3360	91.4	3675	91.0	0.4
	no	1133223	89.9	1261218	89.5	0.4
	yes	12208	83.0	14700	82.5	0.5
	no	1025248	89.3	1147531	89.0	0.3
SSRI (last 12 months)	yes	120183	93.6	128387	93.3	0.3
Chemo or radiotherapy	no	1128407	89.7	1257900	89.4	0.3
	yes	17017	94.4	18018	94.2	0.2
Cancer (lung)	no	1144374	89.8	1274735	89.4	0.4
	yes	1057	89.3	1183	88.8	0.5
Cancer (excluding lung/haem)	no	1077783	89.5	1203867	89.2	0.3
	yes	67648	93.9	72051	93.6	0.3
Cancer (haematological)	no	1142323	89.8	1272586	89.4	0.4
	yes	3101	93.1	3332	92.9	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 55-59 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1313536	87.1	1508080	86.5	0.6
Sex	F	660534	89.1	740964	88.6	0.5
	M	652995	85.1	767102	84.5	0.6
Ethnicity (broad categories)	Black	19103	61.9	30870	60.8	1.1
	Mixed	8736	71.4	12229	70.7	0.7
	Other	15078	68.4	22029	67.6	0.8
	South Asian	47334	79.2	59794	78.3	0.9
	Unknown	132937	77.8	170968	77.1	0.7
	White	1090348	89.9	1212176	89.4	0.5
	White	1090348	89.9	1212176	89.4	0.5
ethnicity 16 groups	African	8078	63.5	12719	62.3	1.2
	Bangladeshi or British Bangladeshi	2457	82.4	2982	81.7	0.7
	Caribbean	6482	59.2	10955	58.3	0.9
	Chinese	4487	73.2	6132	72.4	0.8
	Other	10591	66.6	15904	65.8	0.8
	Other Asian	11571	77.9	14861	77.1	0.8
	British or Mixed British	1022427	91.8	1113539	91.3	0.5
	Indian or British Indian	23695	83.8	28287	83.0	0.8
	Irish	6384	83.4	7658	82.9	0.5
	Other Black	4543	63.1	7196	62.1	1.0
	Other White	61537	67.6	90986	66.9	0.7
	Other mixed	3073	71.0	4326	70.4	0.6
	Pakistani or British Pakistani	9611	70.3	13671	69.0	1.3
	Unknown	132930	77.8	170954	77.1	0.7
	White + Asian	1792	79.3	2261	78.6	0.7
	White + Black African	1589	68.4	2324	67.5	0.9
	White + Black Caribbean	2275	68.4	3325	67.8	0.6
Index of Multiple Deprivation (quintiles)	1 Most deprived	195748	79.8	245280	78.9	0.9
	2	232582	84.3	275737	83.6	0.7
	3	283654	87.8	322966	87.3	0.5
	4	290717	89.7	324135	89.2	0.5
	5 Least deprived	284529	91.8	309988	91.4	0.4
	Unknown	26299	87.8	29967	87.0	0.8
BMI	30+	318878	91.5	348390	91.0	0.5
	under 30	994651	85.8	1159683	85.1	0.7
Chronic cardiac disease	no	1248464	86.9	1436043	86.3	0.6
	yes	65065	90.3	72030	89.9	0.4
Current COPD	no	1288945	87.1	1480423	86.5	0.6
	yes	24584	88.9	27650	88.4	0.5
DMARDs	no	1294076	87.0	1487024	86.4	0.6
	yes	19453	92.4	21042	92.1	0.3
Psychosis,	no	1298745	87.2	1489320	86.6	0.6

		Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
schizophrenia, or bipolar	yes	14784	78.9	18746	77.9	1.0
SSRI (last 12 months)	no	1160740	86.5	1341676	85.9	0.6
	yes	152789	91.8	166397	91.3	0.5

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 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1302965	83.6	1558172	82.7	0.9
Sex	F	659232	86.8	759843	85.9	0.9
	M	643727	80.6	798322	79.5	1.1
Ethnicity (broad categories)	Black	21875	58.4	37471	57.0	1.4
	Mixed	10374	68.1	15225	66.9	1.2
	Other	18291	64.6	28315	63.4	1.2
	South Asian	63665	74.7	85197	73.2	1.5
	Unknown	142156	75.1	189392	74.0	1.1
	White	1046591	87.0	1202558	86.1	0.9
	White	1046591	87.0	1202558	86.1	0.9
ethnicity 16 groups	African	11900	60.2	19768	58.6	1.6
	Bangladeshi or British Bangladeshi	3941	80.3	4907	79.0	1.3
	Caribbean	5012	53.4	9394	52.4	1.0
	Chinese	4837	71.2	6797	69.9	1.3
	Other	13454	62.5	21511	61.4	1.1
	Other Asian	15484	74.6	20769	73.2	1.4
	British or Mixed British	968751	89.6	1080625	88.8	0.8
	Indian or British Indian	28161	79.6	35357	78.4	1.2
	Irish	6230	80.3	7756	79.6	0.7
	Other Black	4963	59.7	8316	58.3	1.4
	Other White	71554	62.7	114121	61.7	1.0
	Other mixed	3703	66.9	5537	65.7	1.2
	Pakistani or British Pakistani	16079	66.5	24178	64.3	2.2
	Unknown	142219	75.1	189455	74.0	1.1
	White + Asian	2289	77.9	2940	76.9	1.0
	White + Black African	2121	64.3	3297	62.6	1.7
	White + Black Caribbean	2247	65.4	3437	64.2	1.2
Index of Multiple Deprivation (quintiles)	1 Most deprived	202839	74.5	272216	73.1	1.4
	2	234220	80.3	291844	79.1	1.2
	3	276164	84.5	326641	83.7	0.8
	4	282933	87.2	324562	86.4	0.8
	5 Least deprived	280427	90.0	311647	89.3	0.7
	Unknown	26376	84.4	31248	83.1	1.3
BMI	30+	301630	89.3	337904	88.4	0.9
	under 30	1001329	82.1	1220254	81.1	1.0
Chronic cardiac disease	no	1261729	83.5	1510950	82.5	1.0
	yes	41223	87.3	47208	86.7	0.6
Current COPD	no	1286978	83.6	1539489	82.6	1.0
	yes	15981	85.6	18669	85.0	0.6
DMARDs	no	1286145	83.5	1539657	82.6	0.9
	yes	16807	90.8	18501	90.3	0.5
Psychosis,	no	1288098	83.7	1538453	82.8	0.9

Category	Group	Vaccinated at 14 Apr (n)	Vaccinated at 14 Apr (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
schizophrenia, or bipolar	yes	14854	75.4	19705	74.4	1.0
	no	1136338	82.8	1373162	81.8	1.0
SSRI (last 12 months)	yes	166614	90.1	184996	89.2	0.9

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 14 Apr (n)	Previous week's vaccination figure (n)	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Category	Group				
overall	overall	2501957	2397541.0	104416.0	4.4
Sex	F	1512819	1462755.0	50064.0	3.4
	M	989051	934703.0	54348.0	5.8
Age band	16-29	582386	572964.0	9422.0	1.6
	30-39	734951	713398.0	21553.0	3.0
	40-49	1184533	1111089.0	73444.0	6.6
Ethnicity (broad categories)	Black	52437	50666.0	1771.0	3.5
	Mixed	34426	33208.0	1218.0	3.7
	Other	49931	47712.0	2219.0	4.7
	South Asian	212086	203931.0	8155.0	4.0
	Unknown	220626	209398.0	11228.0	5.4
	White	1932350	1852536.0	79814.0	4.3
	African	35182	34020.0	1162.0	3.4
ethnicity 16 groups	Bangladeshi or British Bangladeshi	16807	16233.0	574.0	3.5
	Caribbean	6825	6580.0	245.0	3.7
	Chinese	10227	9695.0	532.0	5.5
	Other	39683	38003.0	1680.0	4.4
	Other Asian	47110	45437.0	1673.0	3.7
	British or Mixed British	1758365	1687546.0	70819.0	4.2
	Indian or British Indian	92190	88879.0	3311.0	3.7
	Irish	10913	10402.0	511.0	4.9
	Other Black	10423	10066.0	357.0	3.5
	Other White	163072	154588.0	8484.0	5.5
	Other mixed	12397	11928.0	469.0	3.9
	Pakistani or British Pakistani	55993	53382.0	2611.0	4.9
	Unknown	220626	209398.0	11228.0	5.4
	White + Asian	8197	7903.0	294.0	3.7
	White + Black African	6713	6461.0	252.0	3.9
	White + Black Caribbean	7147	6937.0	210.0	3.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	480788	462259.0	18529.0	4.0
	2	491596	472927.0	18669.0	3.9
	3	511245	490959.0	20286.0	4.1
	4	489734	467586.0	22148.0	4.7
	5 Least deprived	453138	431312.0	21826.0	5.1
	Unknown	75369	72422.0	2947.0	4.1
BMI	30+	569513	552636.0	16877.0	3.1
	under 30	1932357	1844822.0	87535.0	4.7
Chronic cardiac disease	no	2444736	2341038.0	103698.0	4.4
	yes	57134	56420.0	714.0	1.3
Current COPD	no	2487933	2383794.0	104139.0	4.4
	yes	13937	13664.0	273.0	2.0

Category	Group	Vaccinated at 14 Apr (n)	Previous week's vaccination figure (n)	Vaccinated over last 7 d (n)	Increase in coverage over last 7 d (%)
DMARDs	no	2466492	2362724.0	103768.0	4.4
	yes	35378	34734.0	644.0	1.9
SSRI (last 12 months)	no	2121924	2029720.0	92204.0	4.5
	yes	379946	367738.0	12208.0	3.3

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+	1121701	94.4
70-79	2064944	93.0
care home	83888	97.4
shielding (aged 16-69)	824887	96.1
65-69	1071287	90.6
LD (aged 16-64)	81249	91.9
60-64	1275925	89.0
55-59	1508080	88.7
50-54	1558172	87.8