

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 07 Jun 2021

Vaccinations included up to 02 Jun 2021 inclusive

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 - [60-64 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

		first dose as at 02 Jun 2021	second dose as at 02 Jun 2021
Group			
Total vaccinated in TPP		13,468,049	9,203,166
80+	96.3% (1,070,755 of 1,111,726)	94.0% (1,044,806 of 1,111,726)	
70-79	95.8% (1,980,587 of 2,067,044)	93.7% (1,936,403 of 2,067,044)	
care home	96.4% (81,963 of 85,022)	90.9% (77,252 of 85,022)	
shielding (aged 16-69)	88.7% (736,855 of 830,347)	79.6% (660,814 of 830,347)	
65-69	93.2% (999,964 of 1,073,464)	88.9% (954,212 of 1,073,464)	
LD (aged 16-64)	83.4% (68,516 of 82,166)	65.8% (54,061 of 82,166)	
60-64	91.1% (1,165,024 of 1,279,005)	79.0% (1,009,904 of 1,279,005)	
55-59	88.9% (1,344,091 of 1,512,504)	60.8% (919,457 of 1,512,504)	
50-54	86.1% (1,345,750 of 1,563,681)	53.1% (829,689 of 1,563,681)	
16-49, not in other eligible groups shown		4,674,551	1,716,582

NB Patient counts are rounded to nearest 7

Vaccine types and second doses

Second doses (% of all vaccinated): **68.3%** (9,203,166)

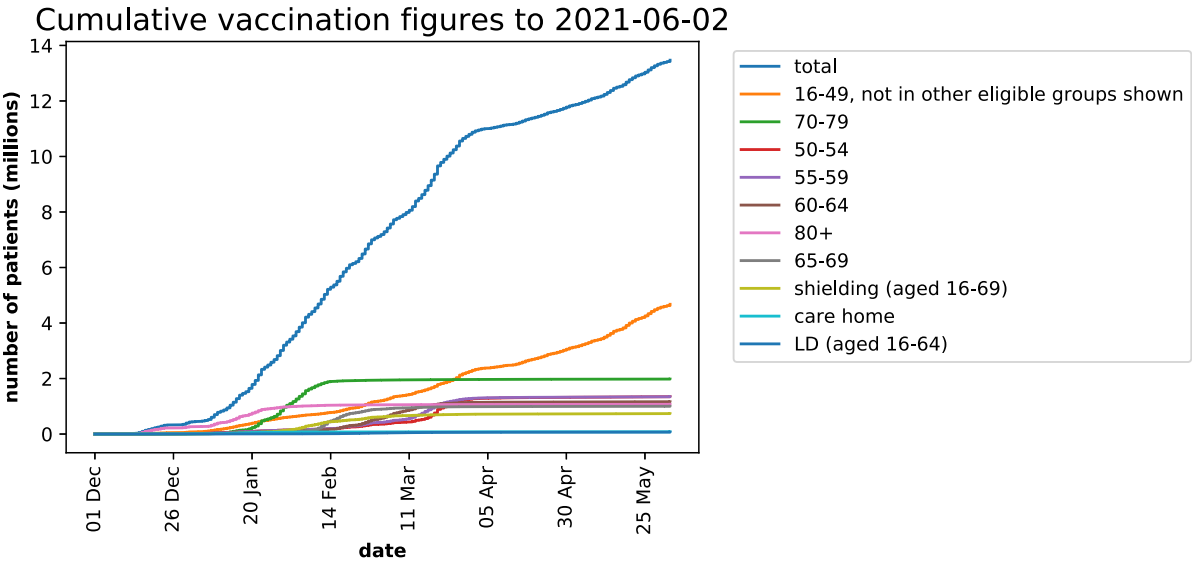
Oxford-AZ vaccines (% of all first doses): **62.1%** (8,360,786)

Moderna vaccines (% of all first doses): **1.1%** (149,163)

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/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



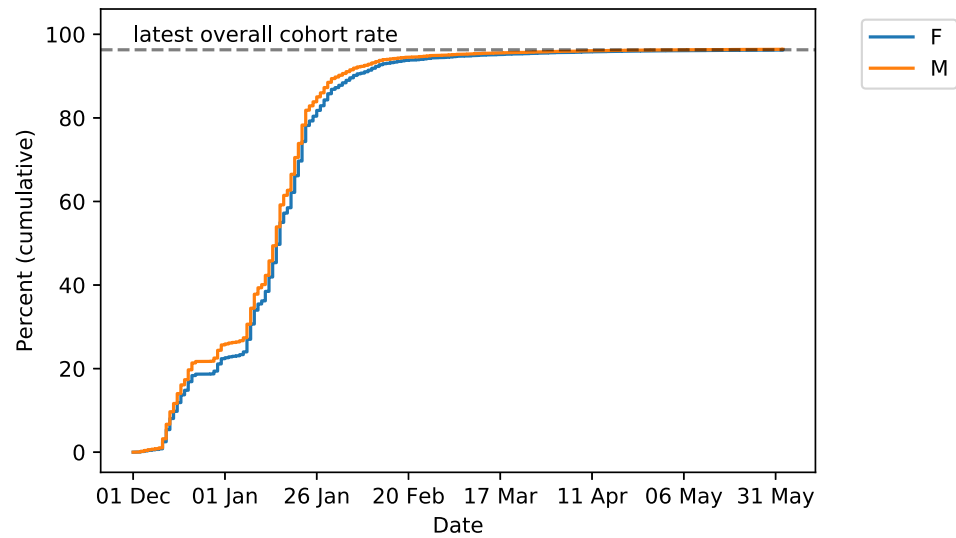
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

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

80+ population

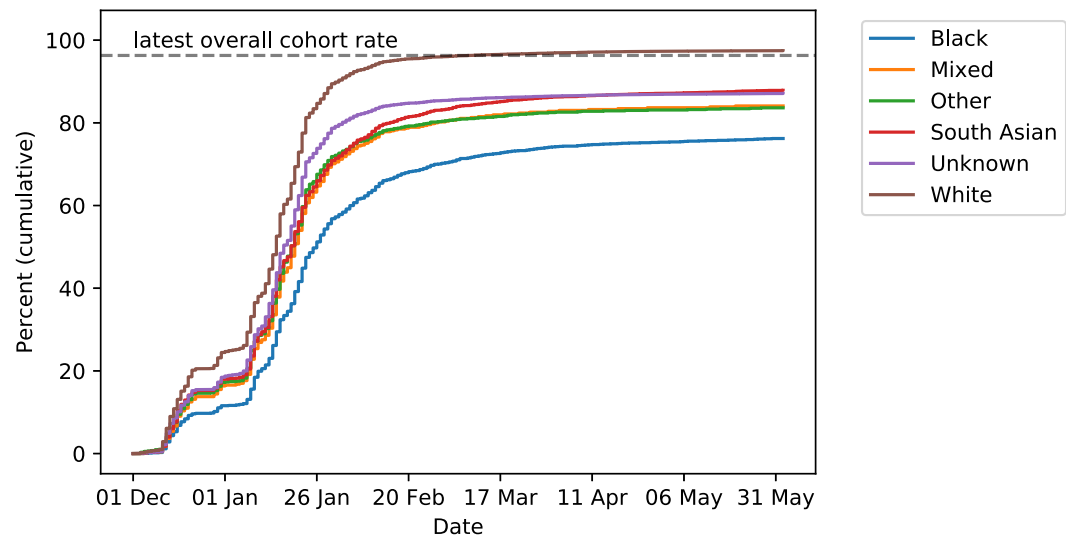
COVID vaccinations among 80+ population

by Sex



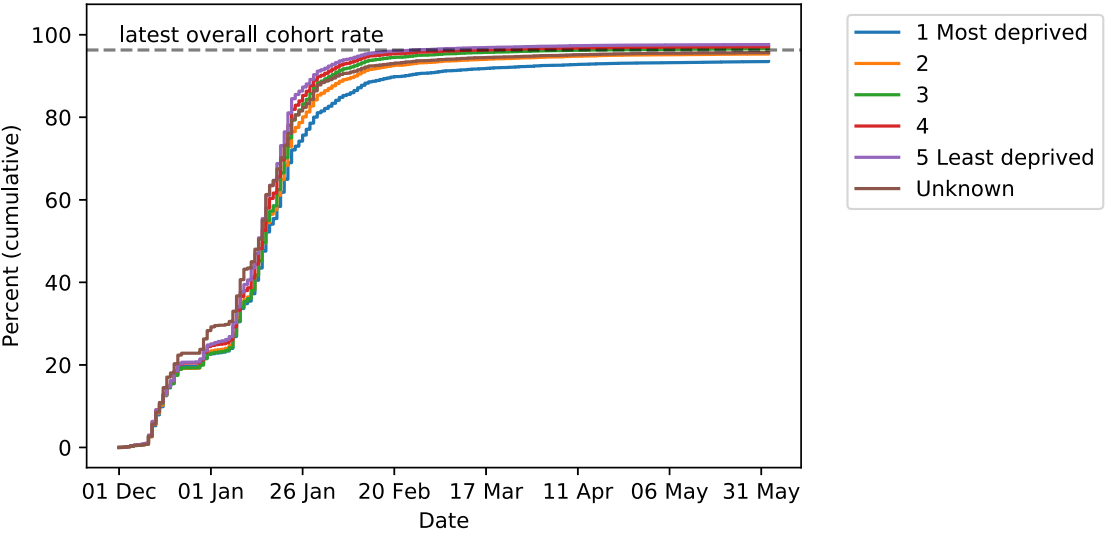
COVID vaccinations among 80+ population

by Ethnicity (broad categories)



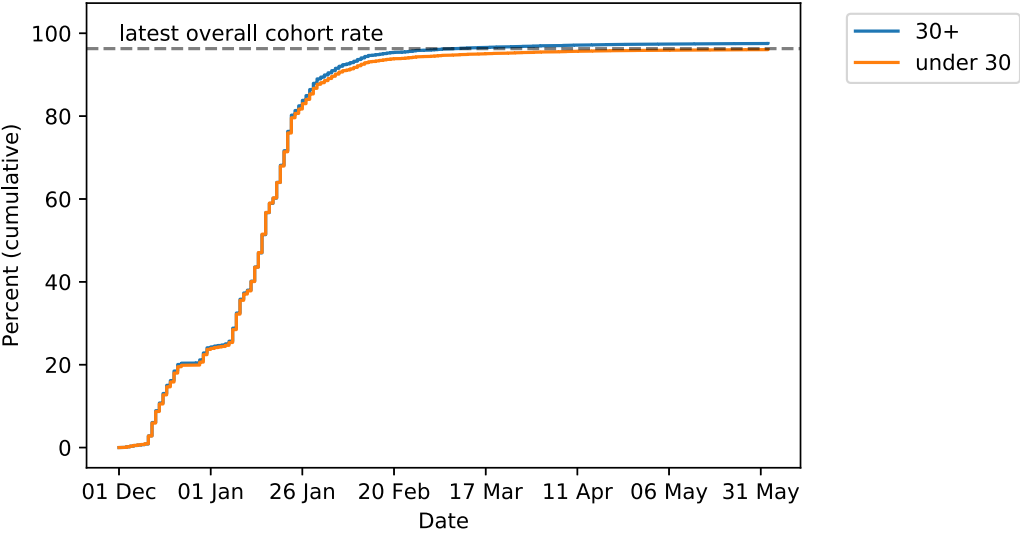
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)



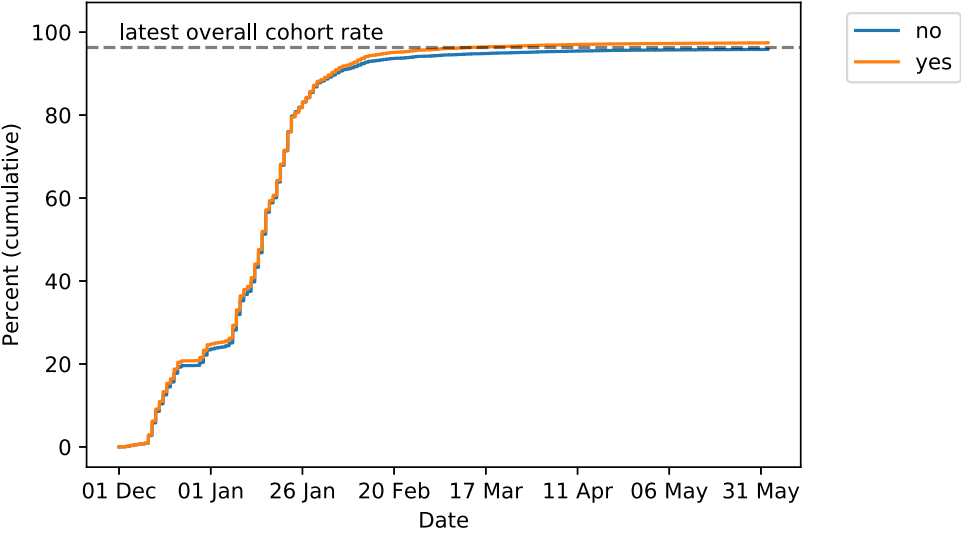
COVID vaccinations among 80+ population

by BMI



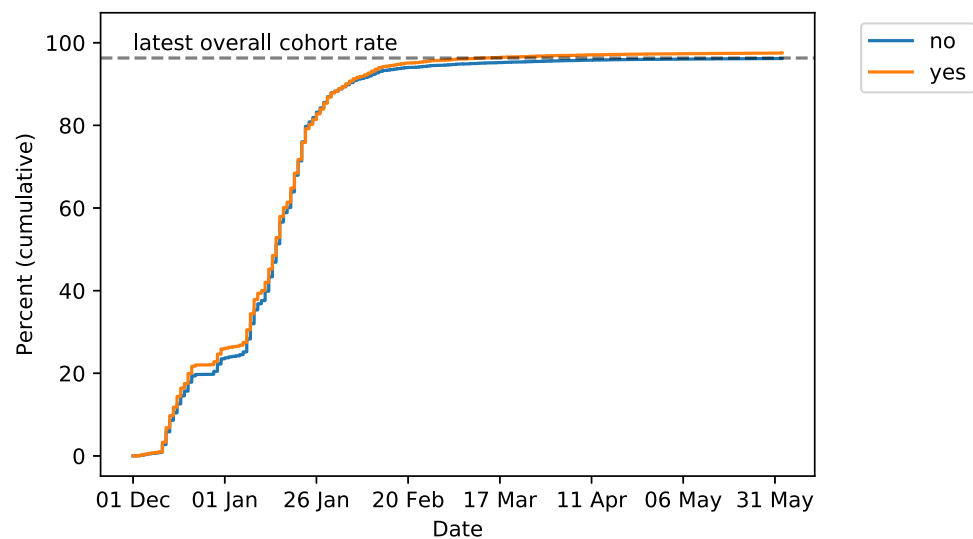
COVID vaccinations among 80+ population

by Chronic cardiac disease



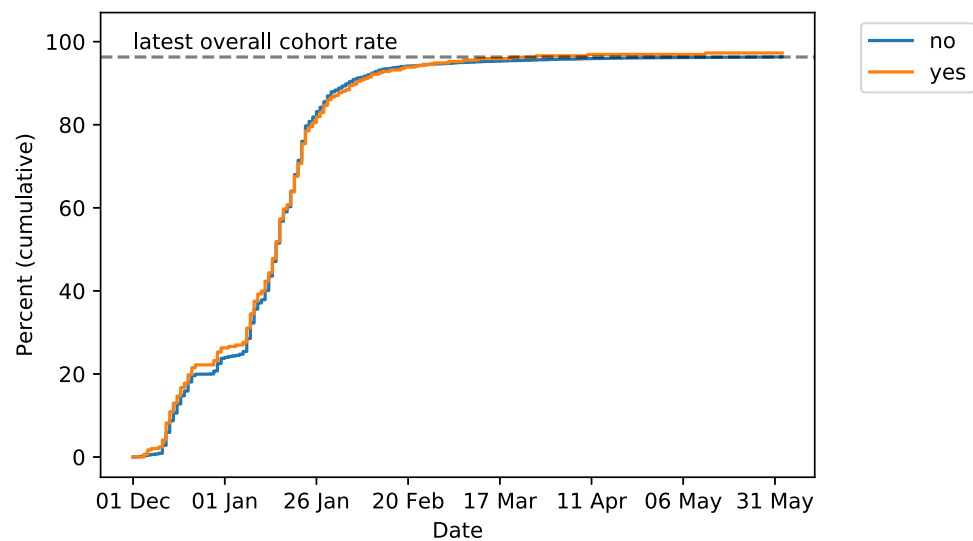
COVID vaccinations among 80+ population

by Current COPD



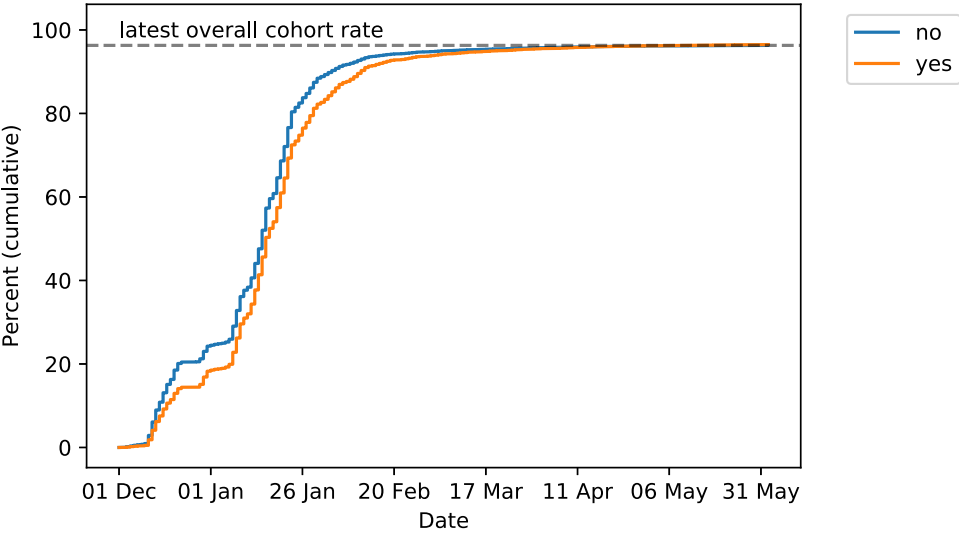
COVID vaccinations among 80+ population

by Dialysis



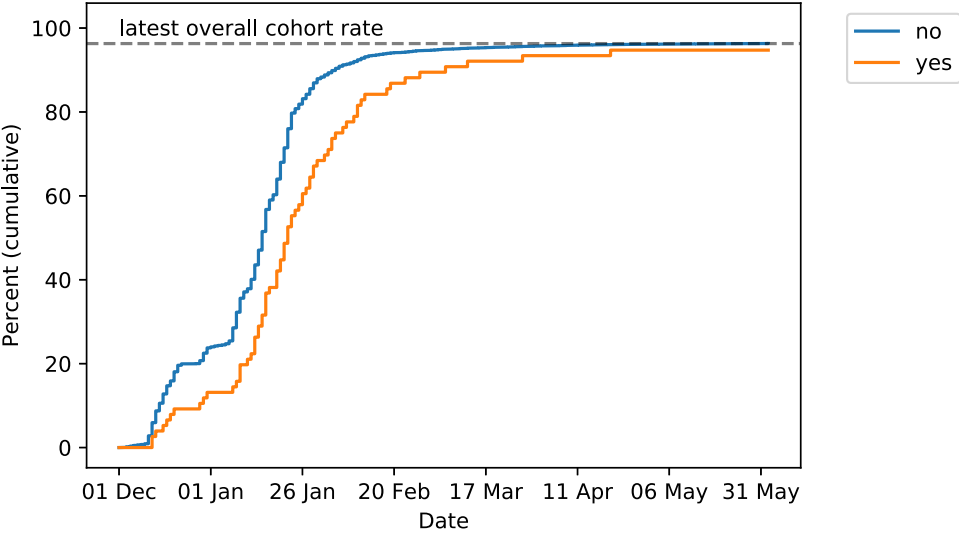
COVID vaccinations among 80+ population

by Dementia



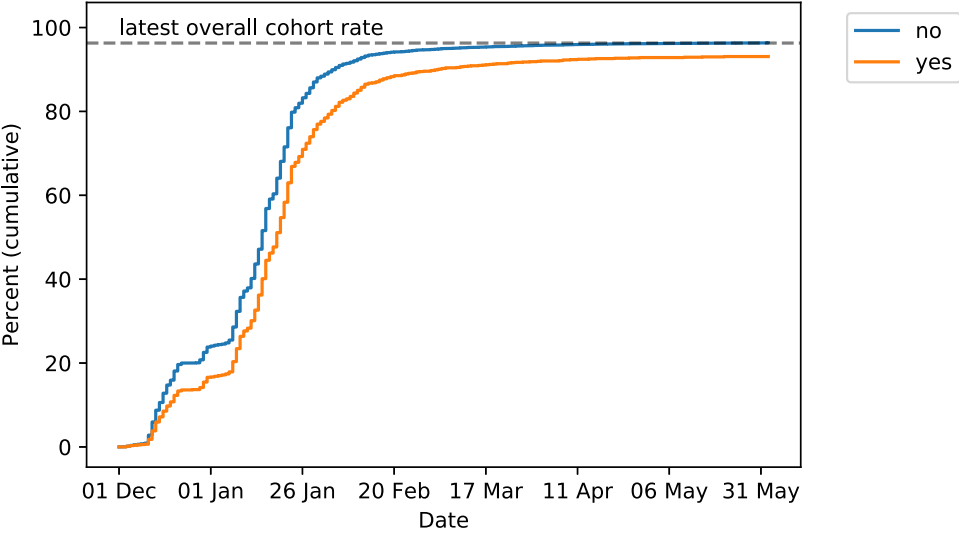
COVID vaccinations among 80+ population

by Learning disability



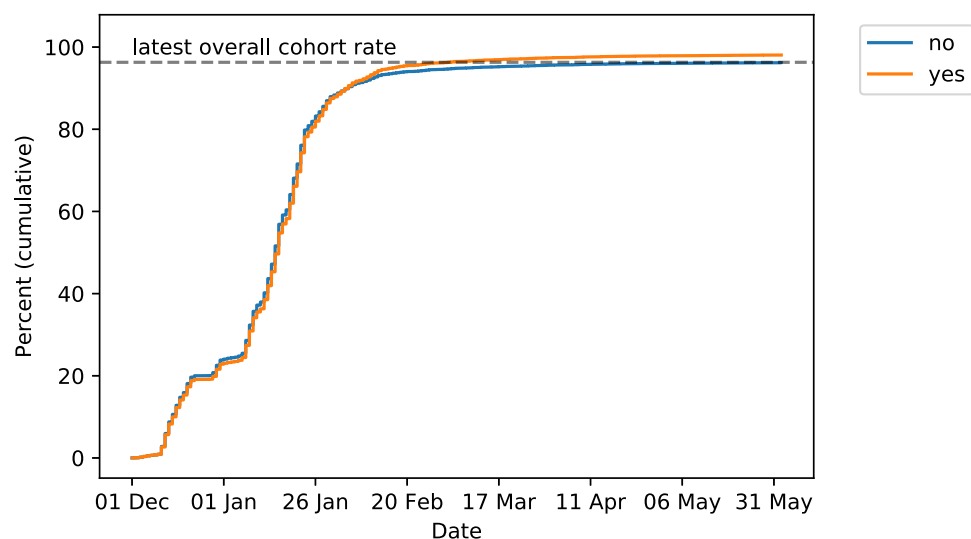
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar



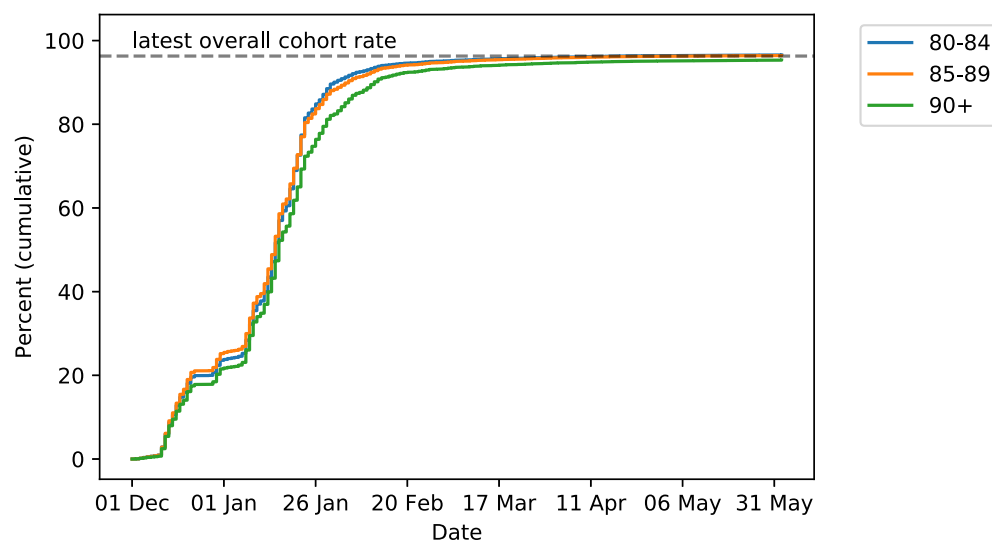
COVID vaccinations among 80+ population

by SSRI (last 12 months)



COVID vaccinations among 80+ population

by Age band



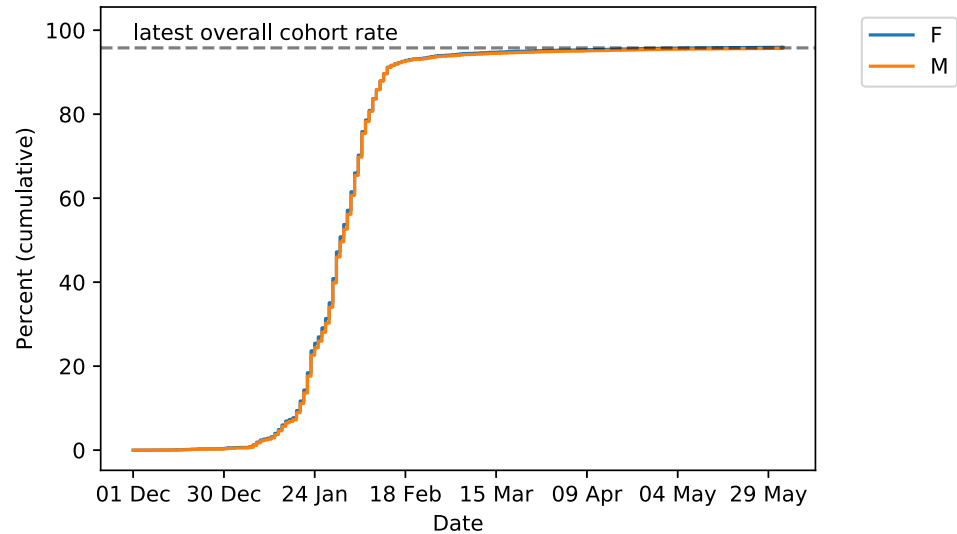
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

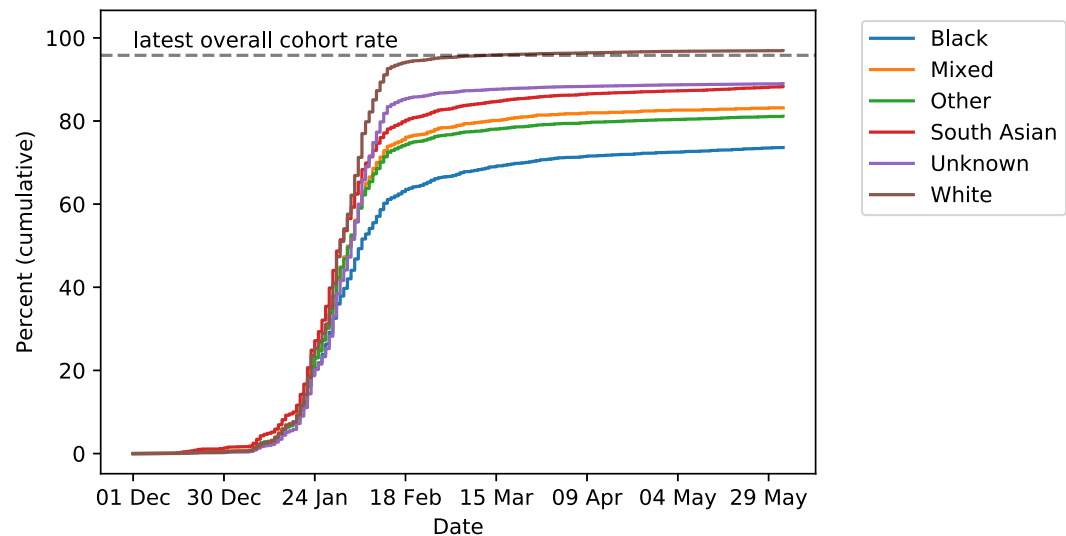
COVID vaccinations among 70-79 population

by Sex



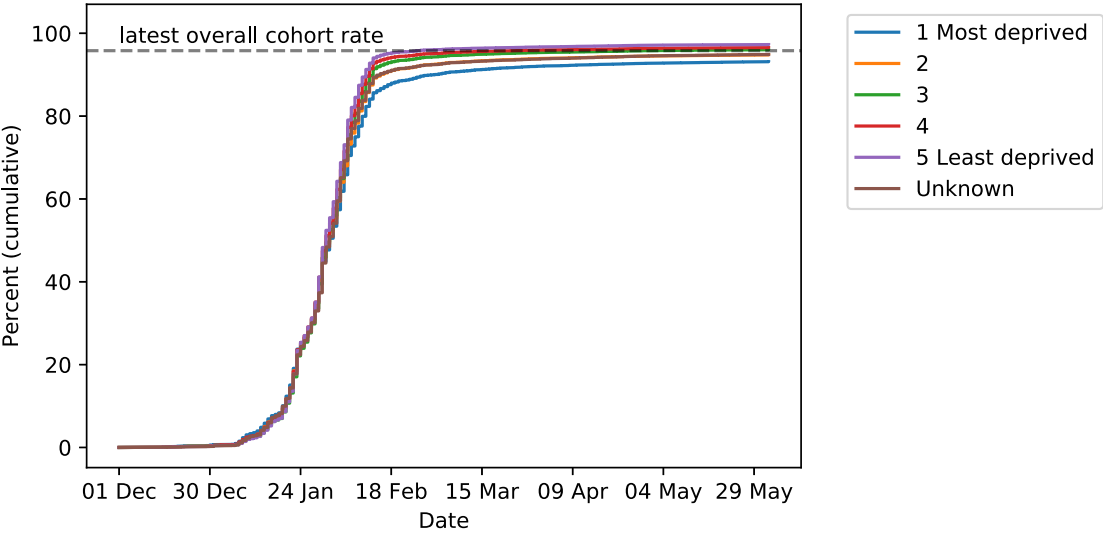
COVID vaccinations among 70-79 population

by Ethnicity (broad categories)



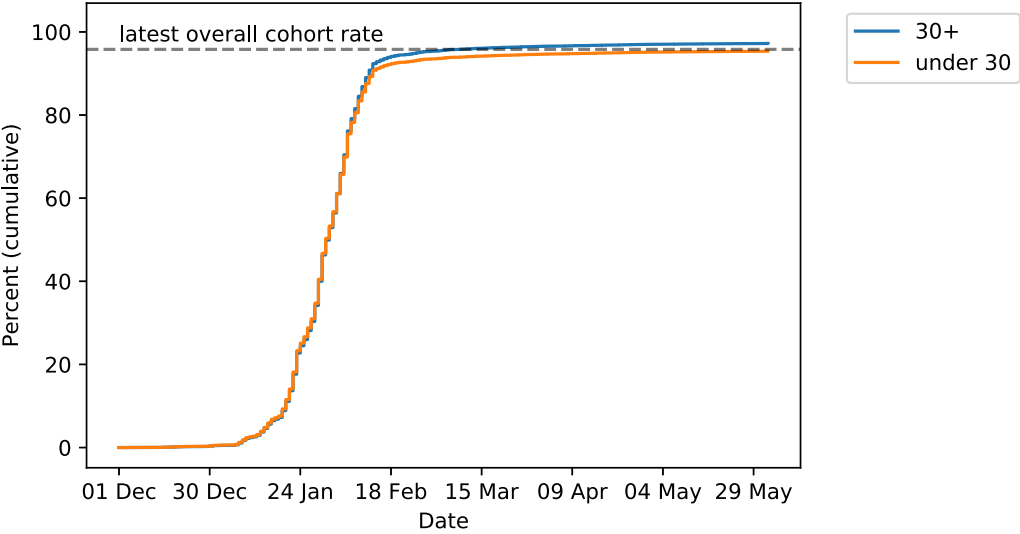
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)



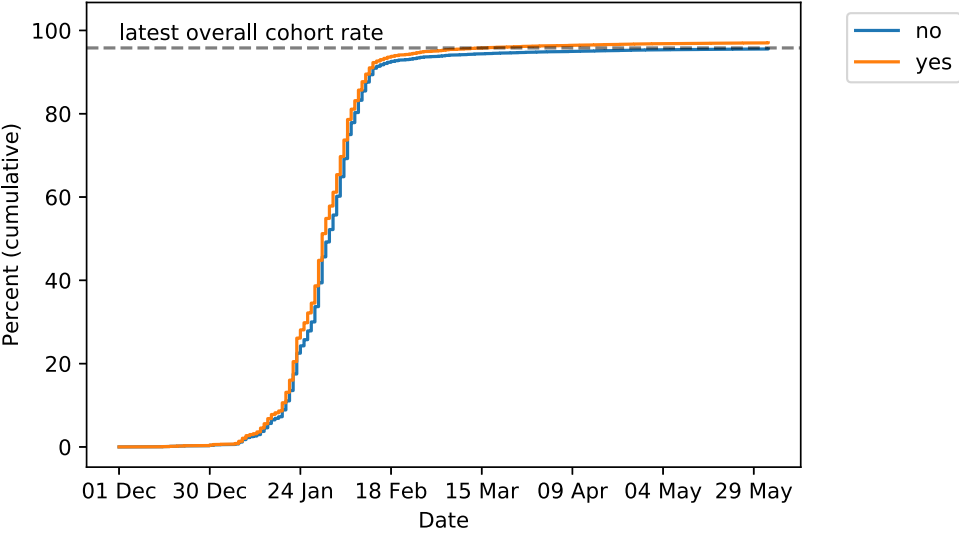
COVID vaccinations among 70-79 population

by BMI



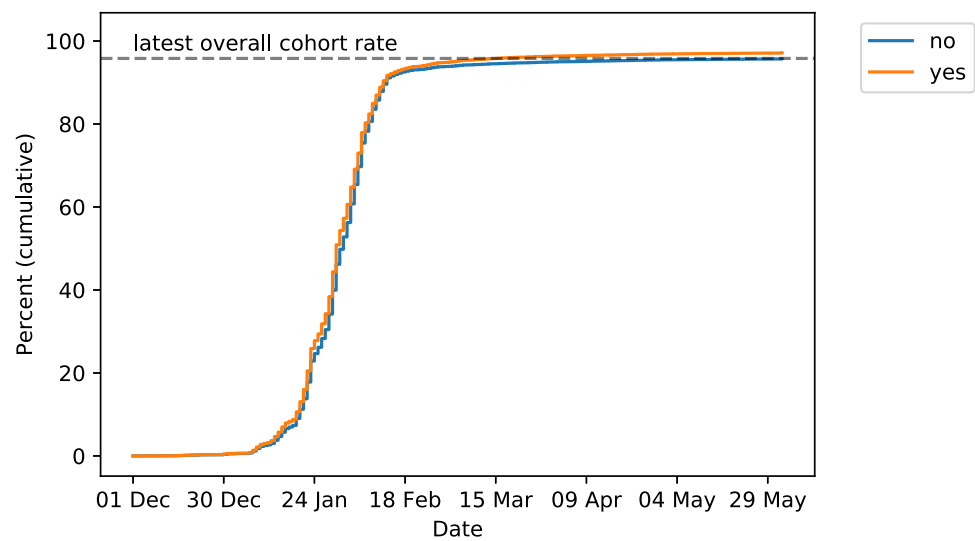
COVID vaccinations among 70-79 population

by Chronic cardiac disease



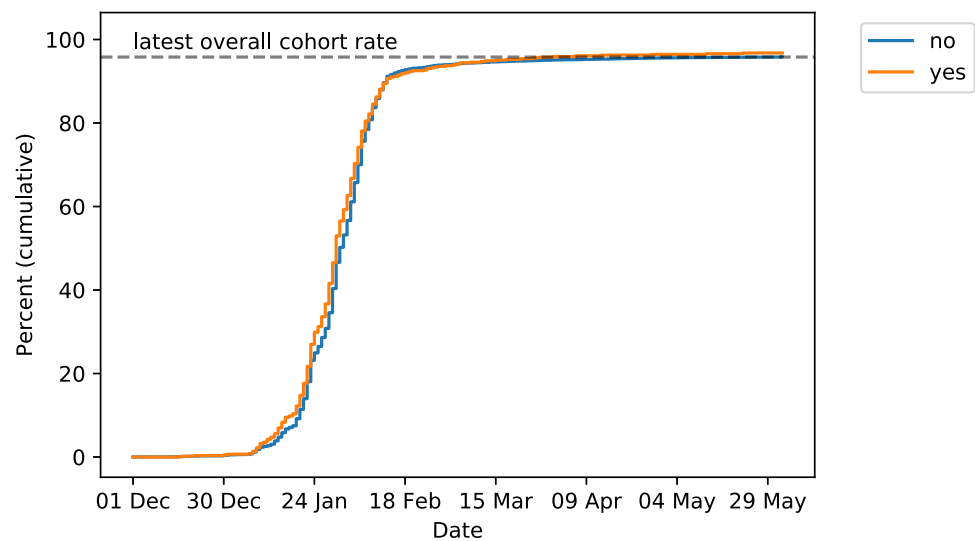
COVID vaccinations among 70-79 population

by Current COPD



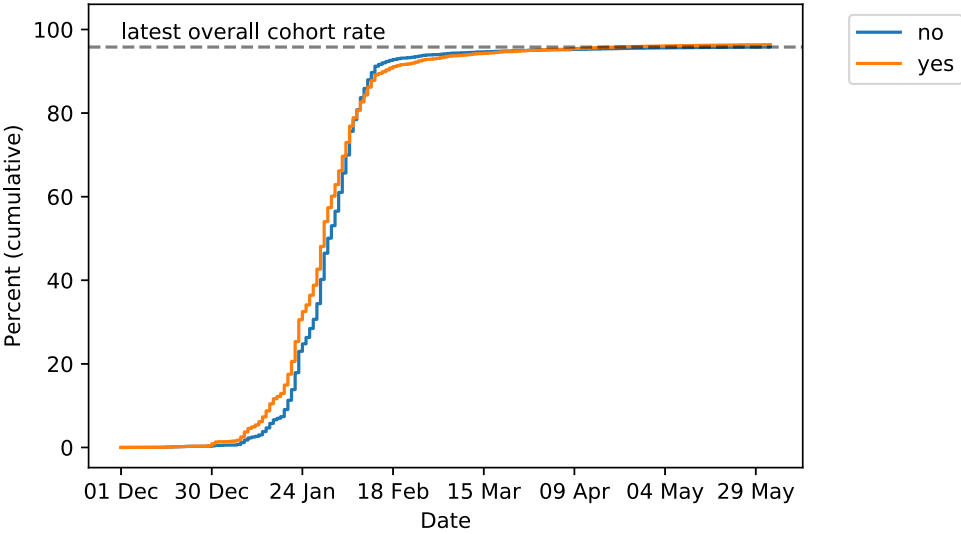
COVID vaccinations among 70-79 population

by Dialysis



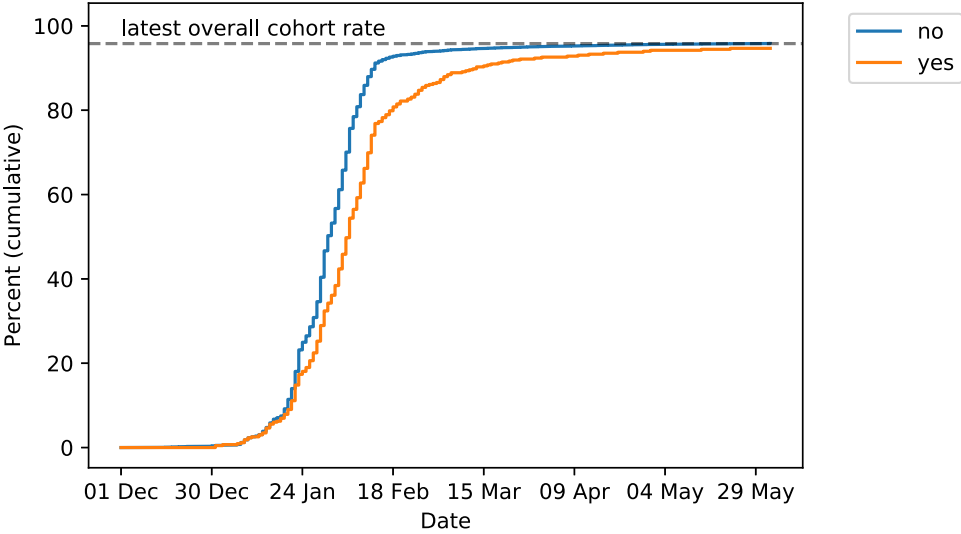
COVID vaccinations among 70-79 population

by Dementia



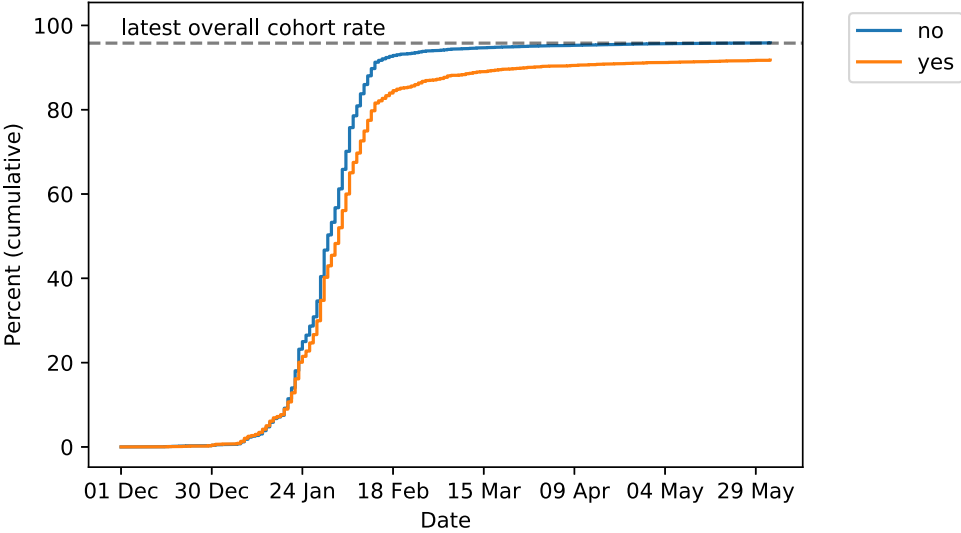
COVID vaccinations among 70-79 population

by Learning disability



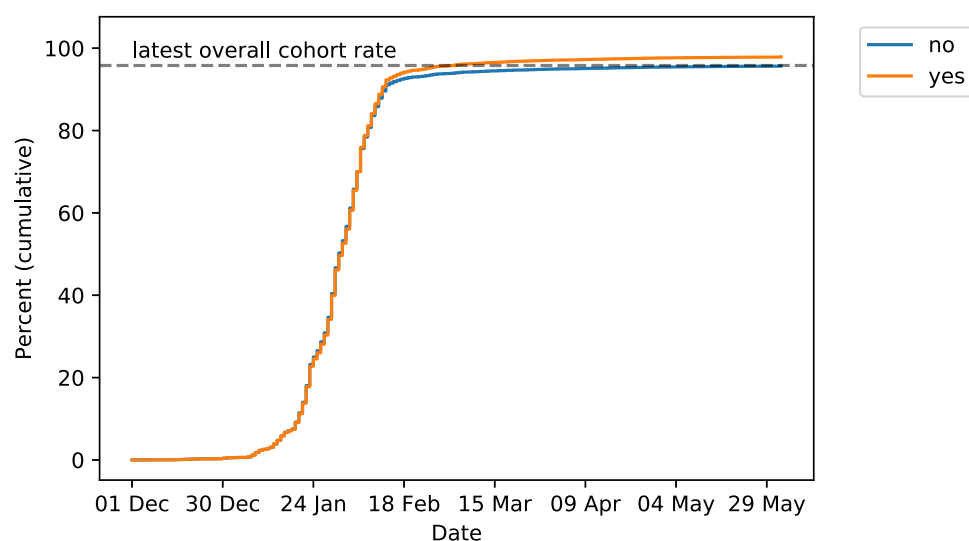
COVID vaccinations among 70-79 population

by Psychosis, schizophrenia, or bipolar



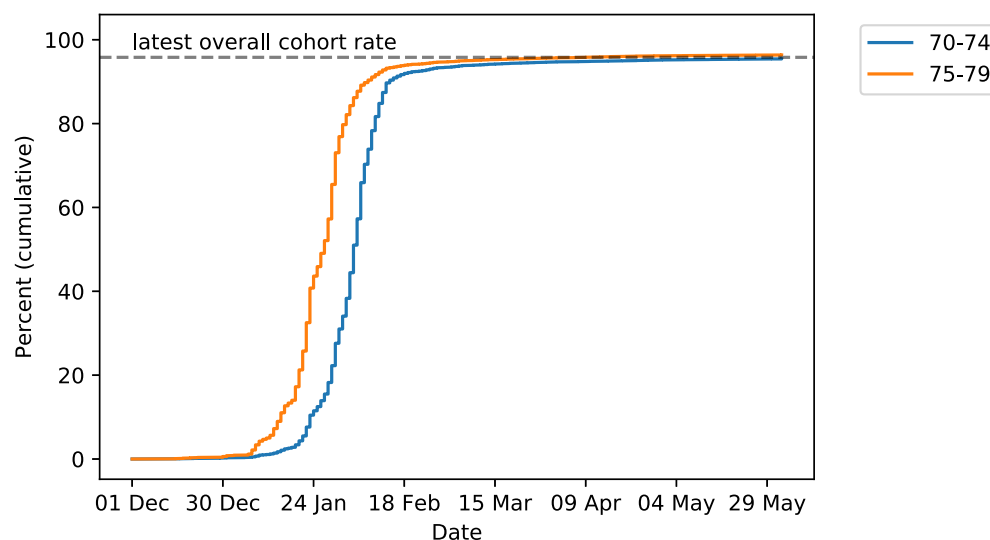
COVID vaccinations among 70-79 population

by SSRI (last 12 months)



COVID vaccinations among 70-79 population

by Age band



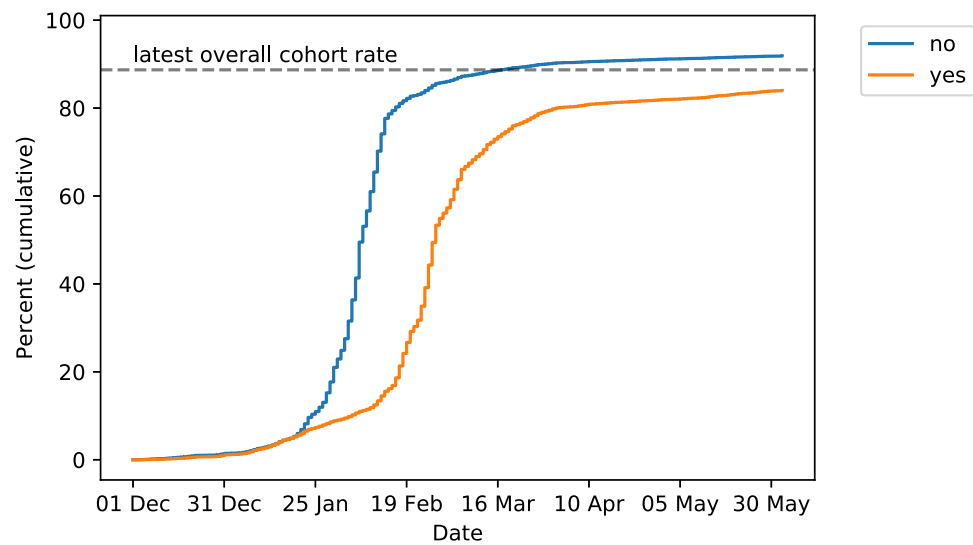
Trends in vaccination rates of shielding population according to demographic/clinical features, cumulatively by day.

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

Shielding population (aged 16-69)

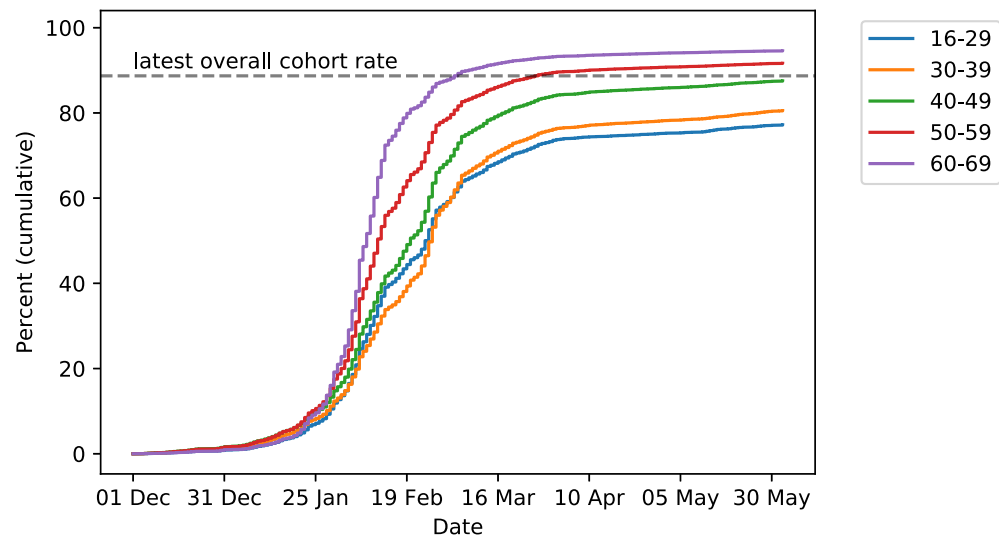
COVID vaccinations among shielding (aged 16-69) population

by newly shielded since feb 15



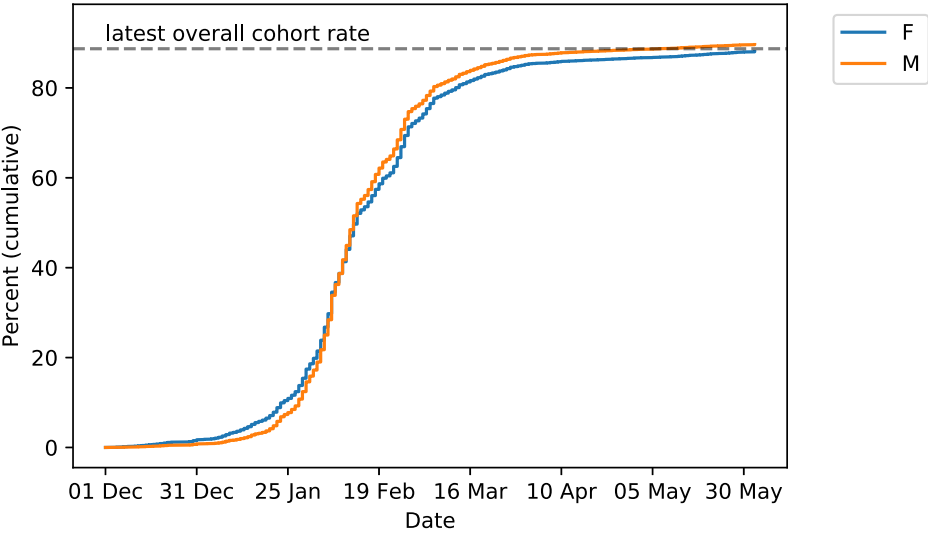
COVID vaccinations among shielding (aged 16-69) population

by Age band



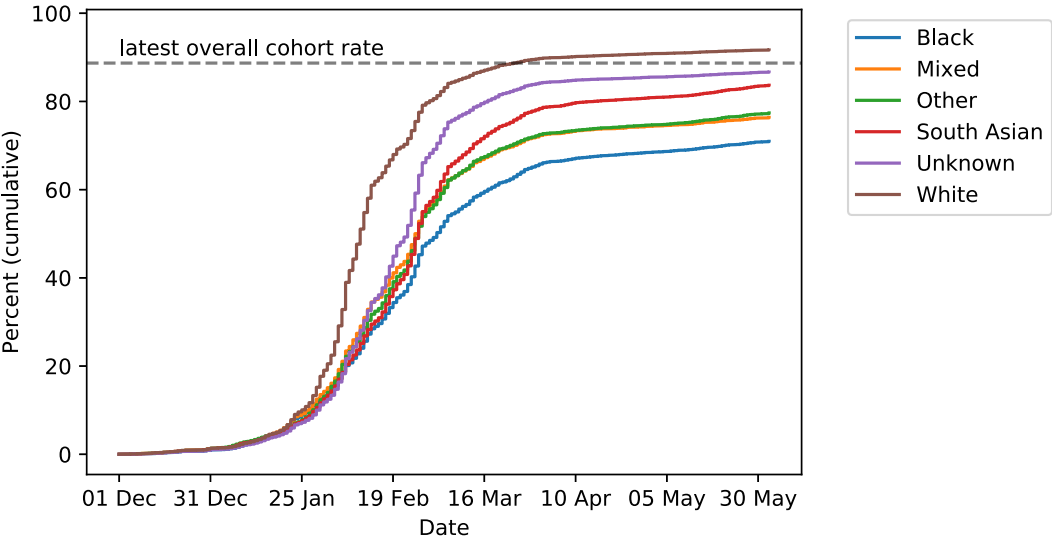
COVID vaccinations among shielding (aged 16-69) population

by Sex



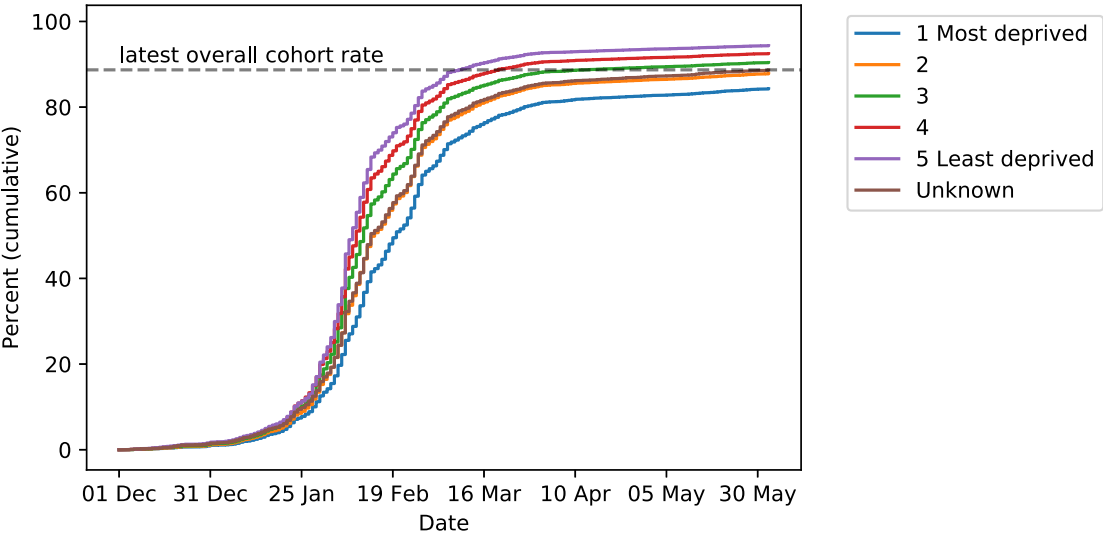
COVID vaccinations among shielding (aged 16-69) population

by Ethnicity (broad categories)



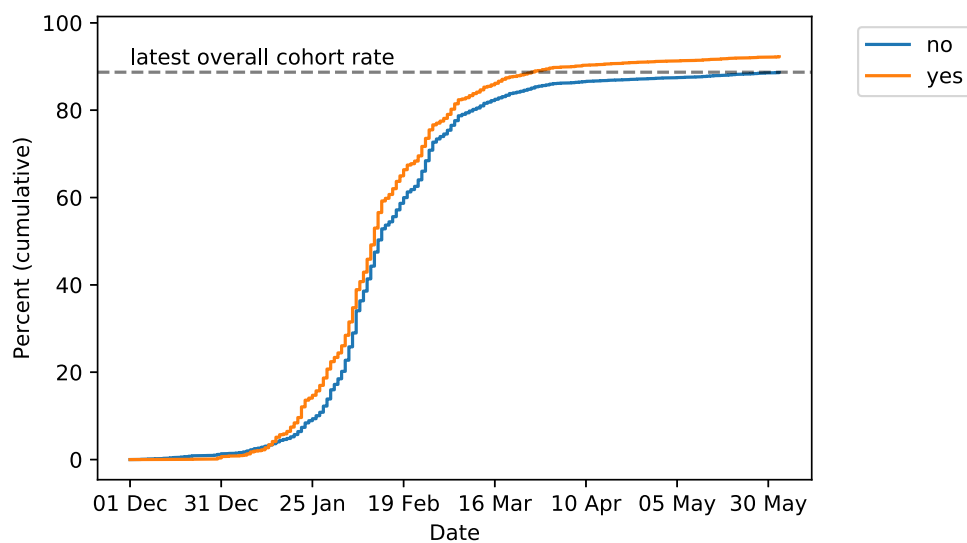
COVID vaccinations among shielding (aged 16-69) population

by Index of Multiple Deprivation (quintiles)



COVID vaccinations among shielding (aged 16-69) population

by Learning disability



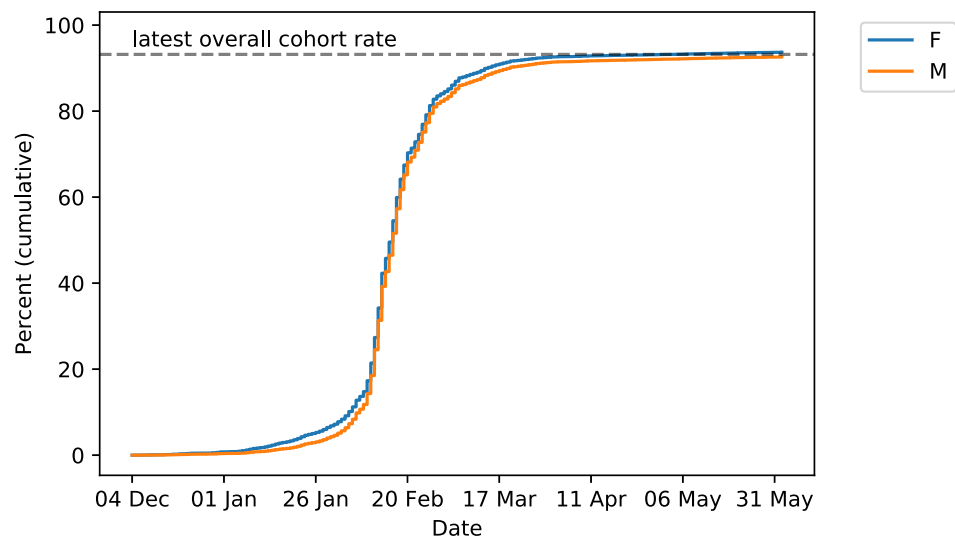
Trends in vaccination rates of 65-69 population according to demographic/clinical features, cumulatively by day.

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

65-69 population

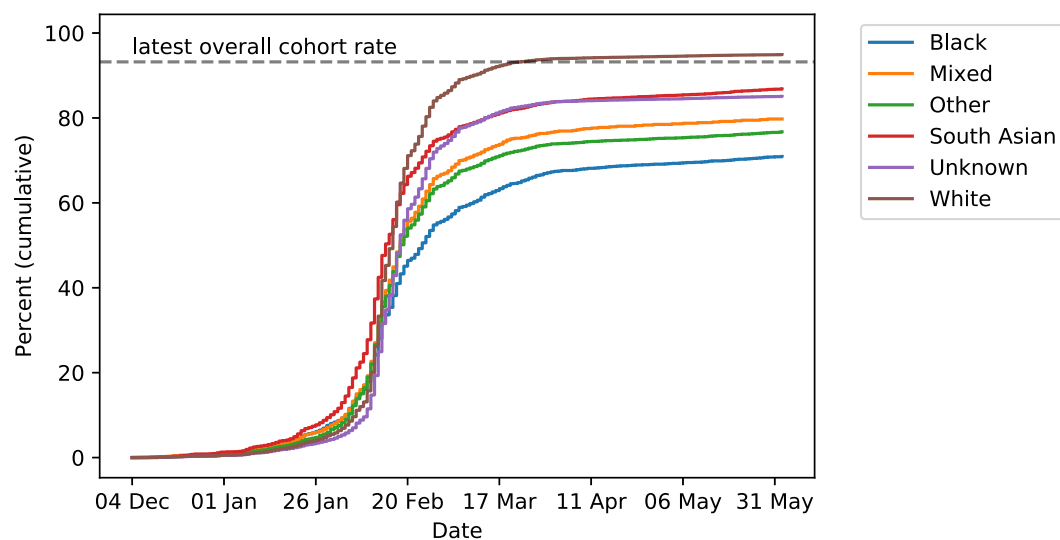
COVID vaccinations among 65-69 population

by Sex



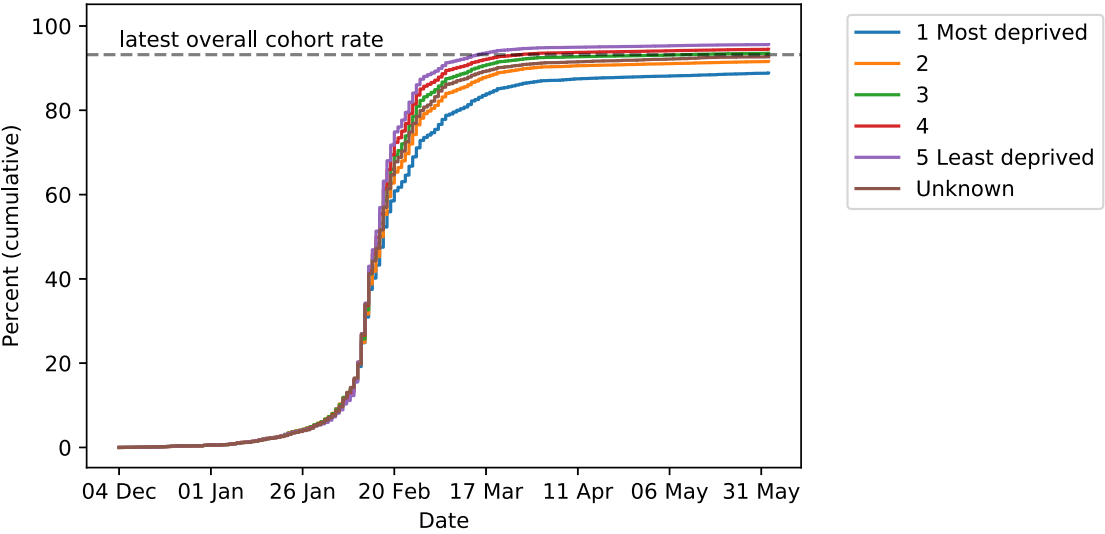
COVID vaccinations among 65-69 population

by Ethnicity (broad categories)



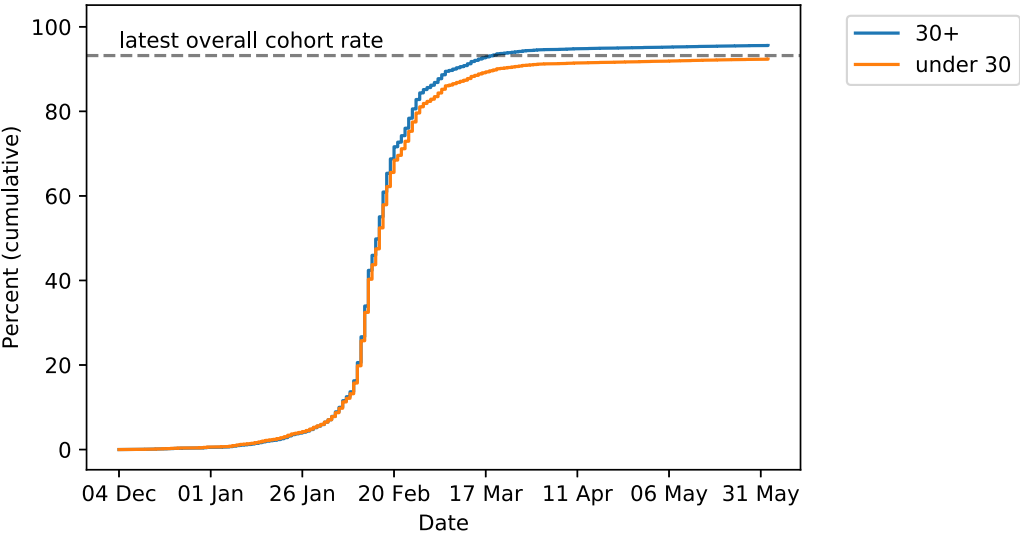
COVID vaccinations among 65-69 population

by Index of Multiple Deprivation (quintiles)



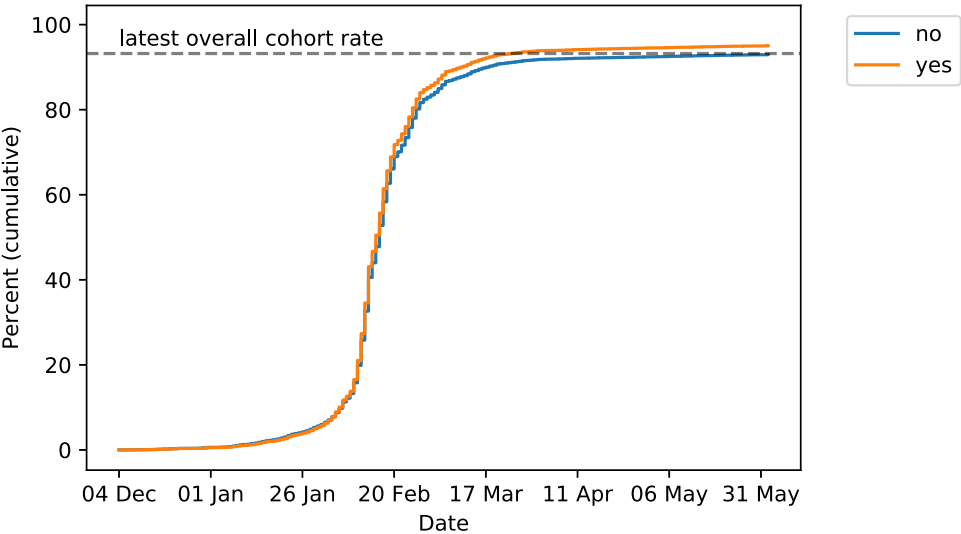
COVID vaccinations among 65-69 population

by BMI



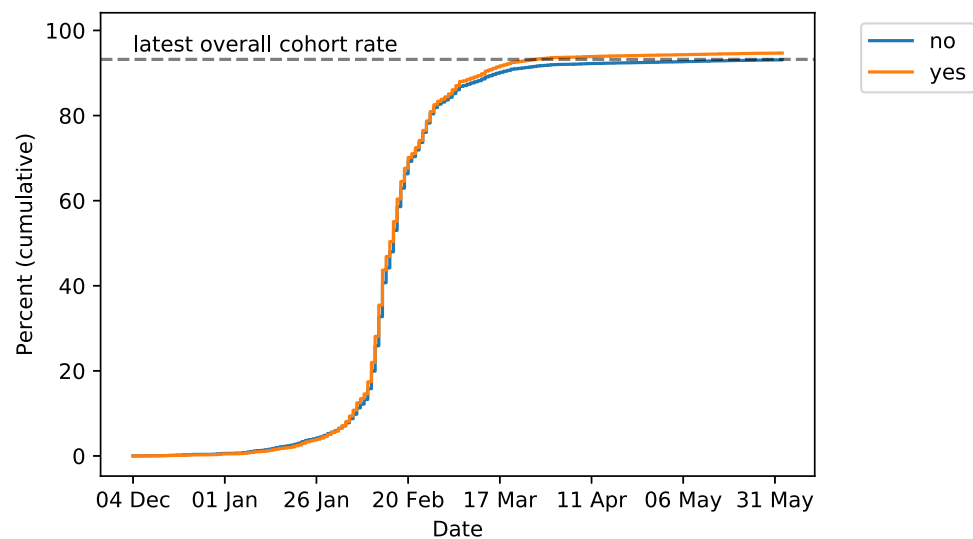
COVID vaccinations among 65-69 population

by Chronic cardiac disease



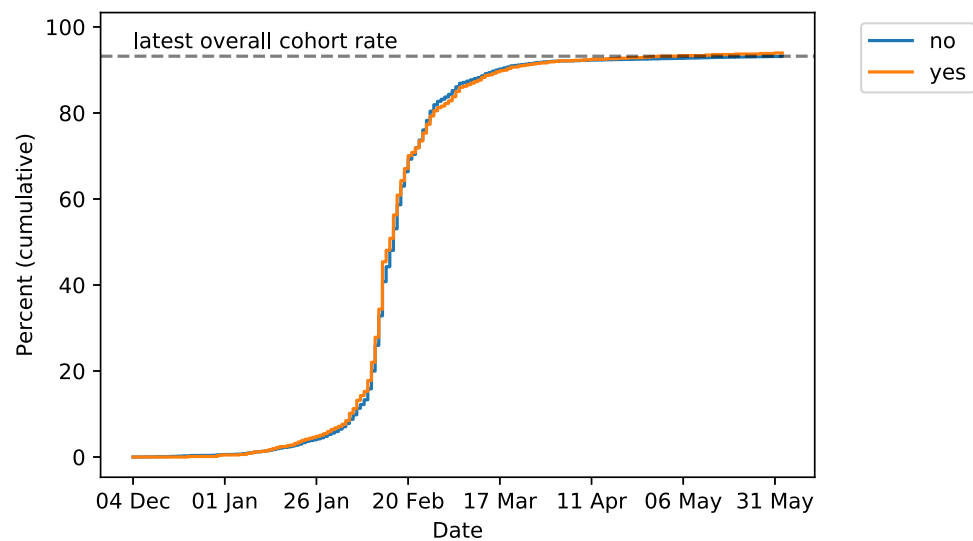
COVID vaccinations among 65-69 population

by Current COPD



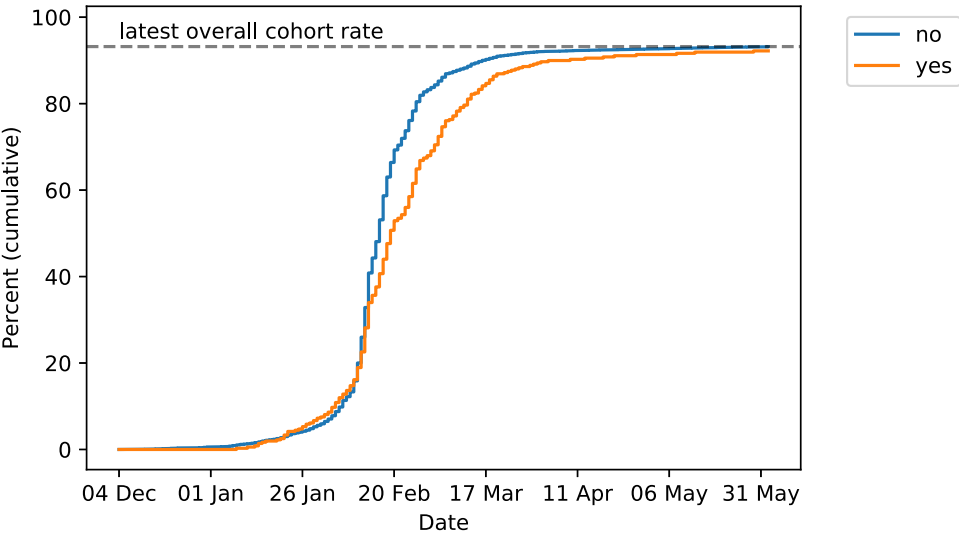
COVID vaccinations among 65-69 population

by Dementia



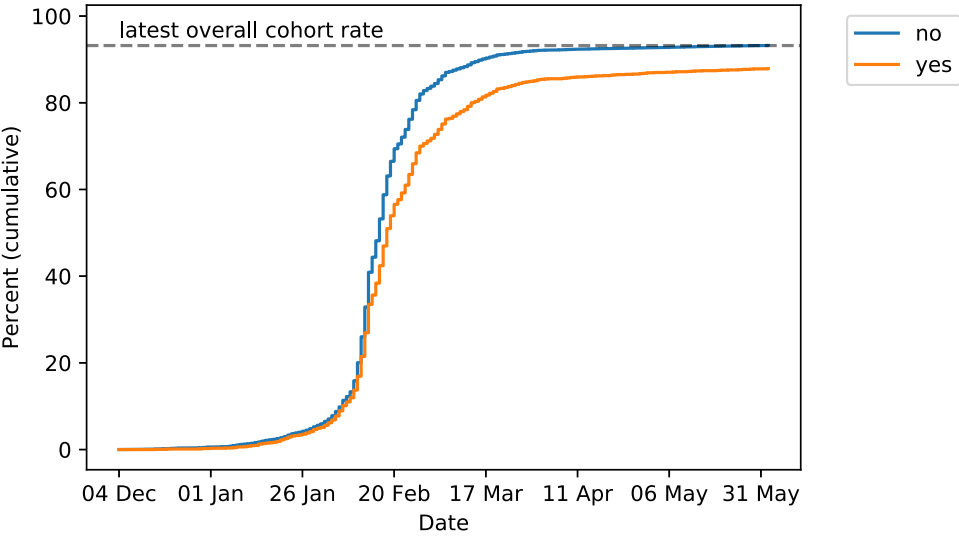
COVID vaccinations among 65-69 population

by Learning disability



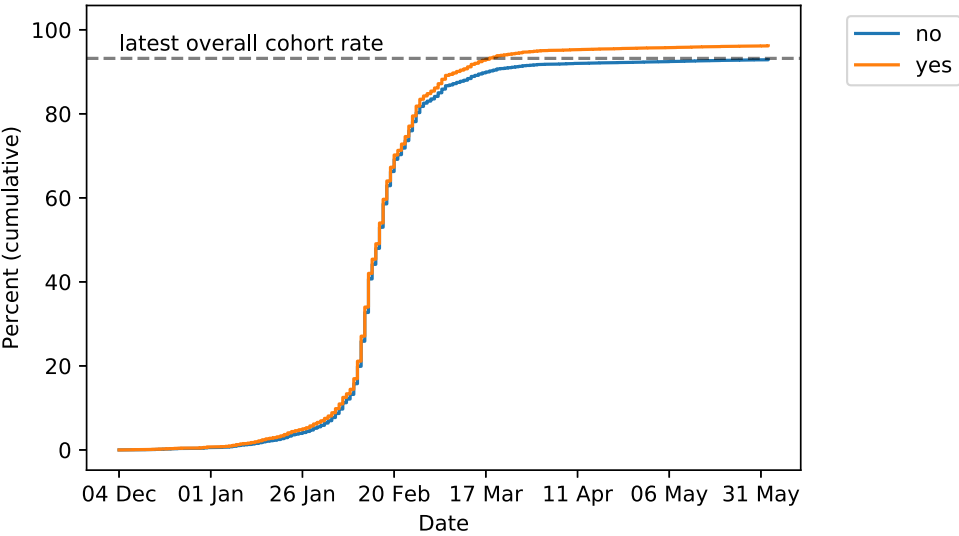
COVID vaccinations among 65-69 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 65-69 population

by SSRI (last 12 months)



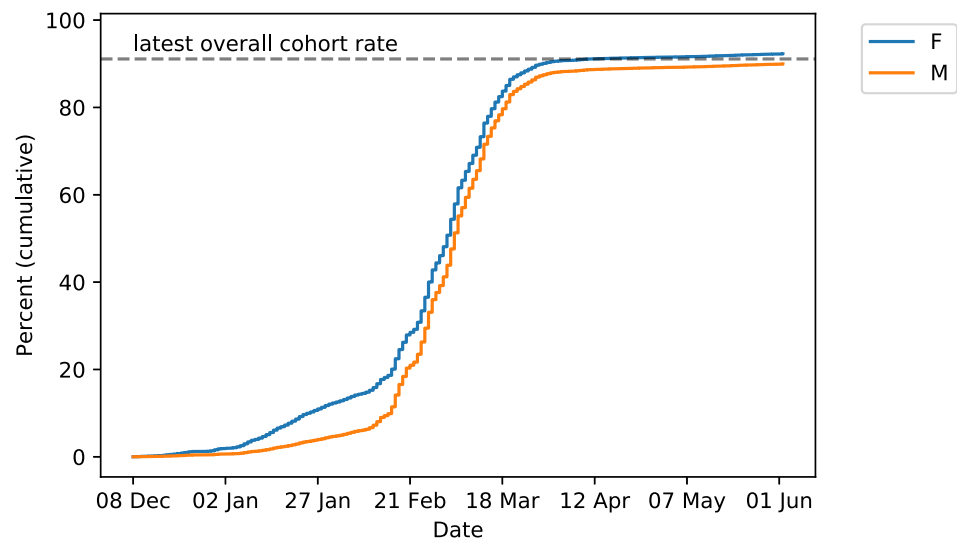
Trends in vaccination rates of 60-64 population according to demographic/clinical features, cumulatively by day.

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

60-64 population

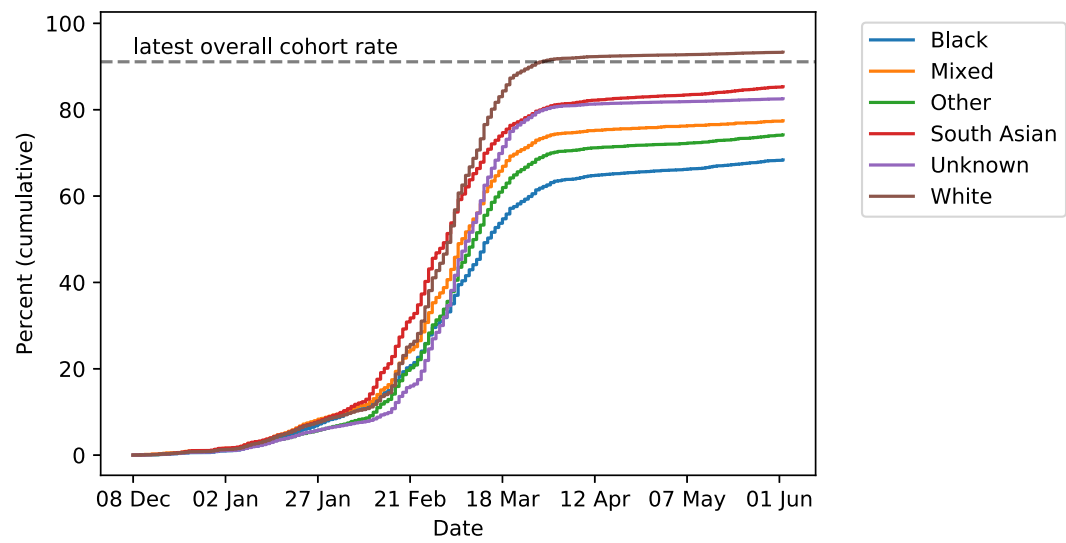
COVID vaccinations among 60-64 population

by Sex



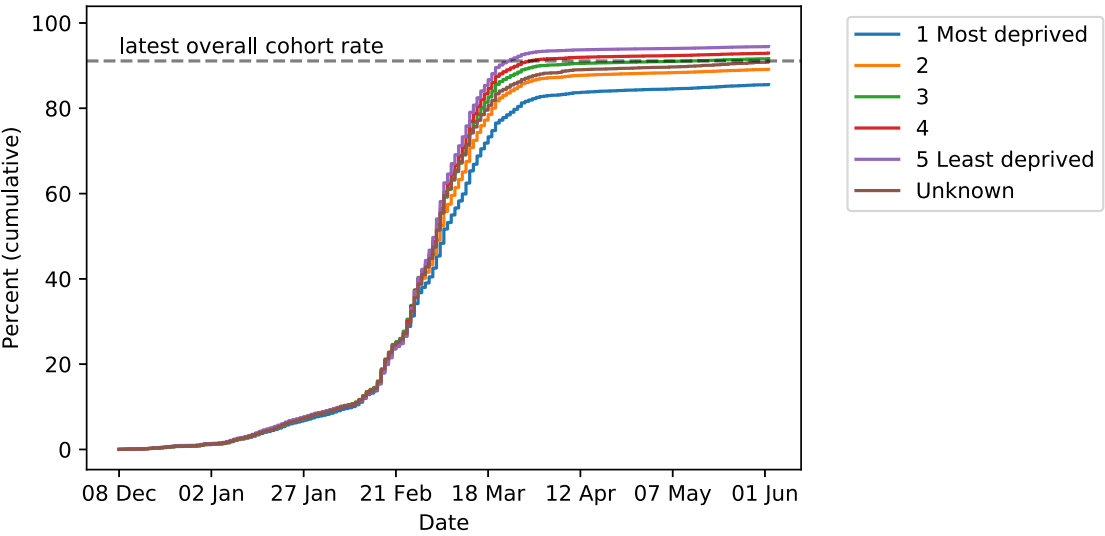
COVID vaccinations among 60-64 population

by Ethnicity (broad categories)



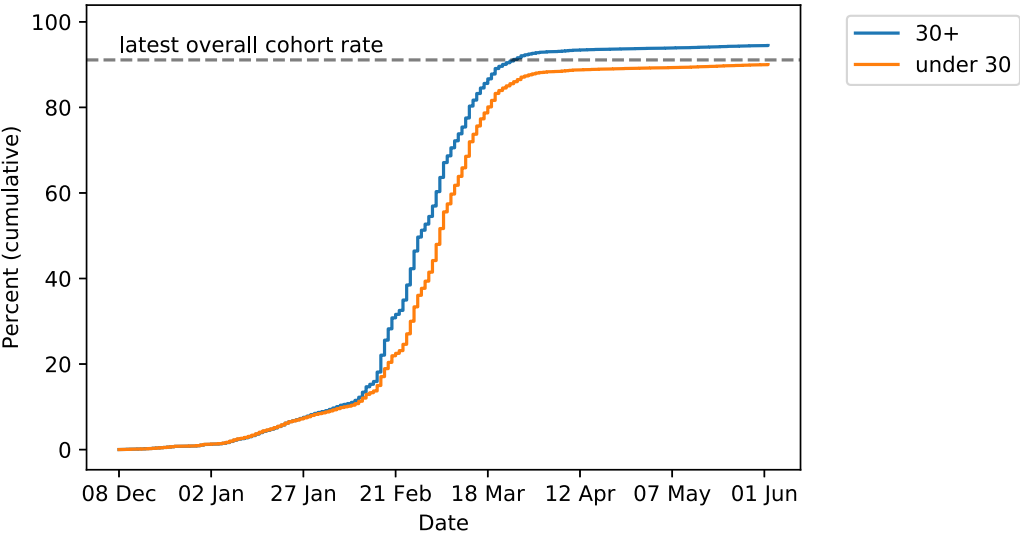
COVID vaccinations among 60-64 population

by Index of Multiple Deprivation (quintiles)



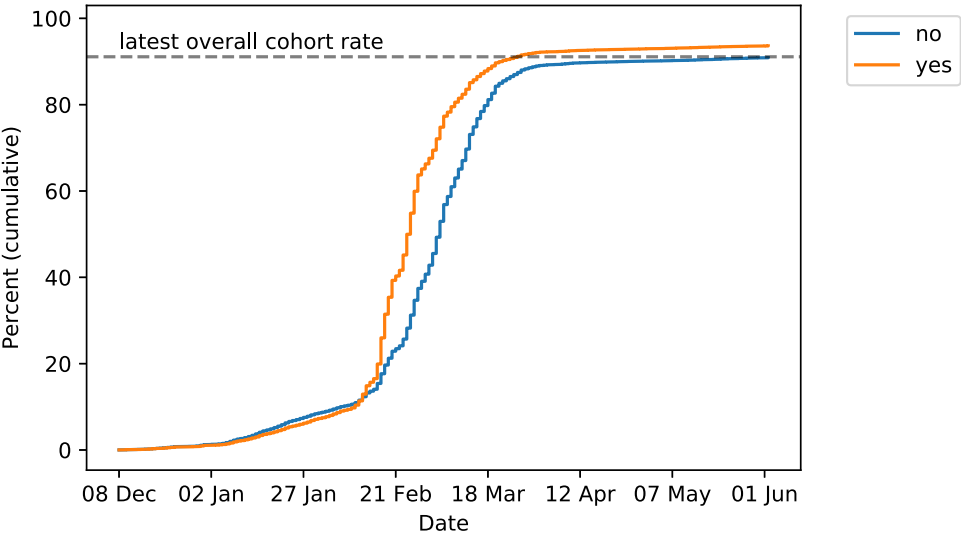
COVID vaccinations among 60-64 population

by BMI



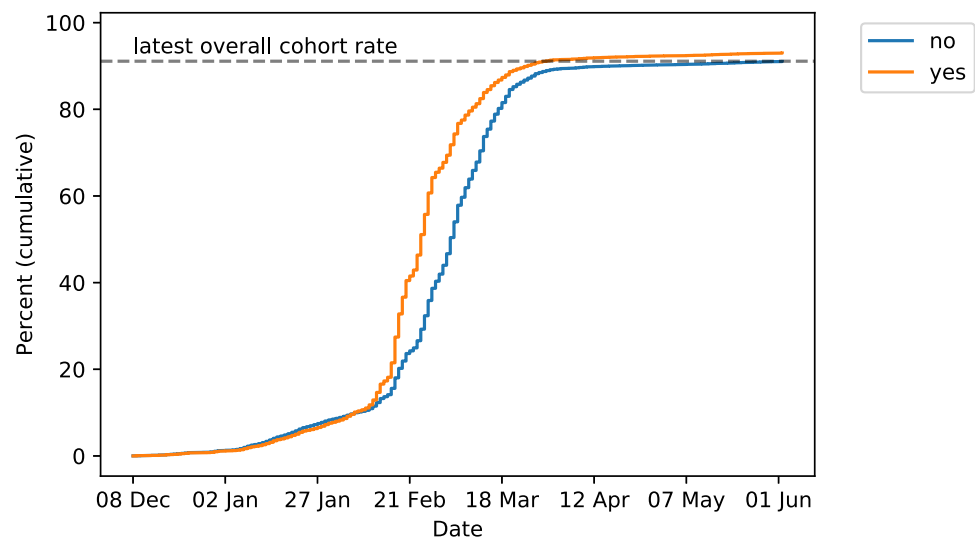
COVID vaccinations among 60-64 population

by Chronic cardiac disease



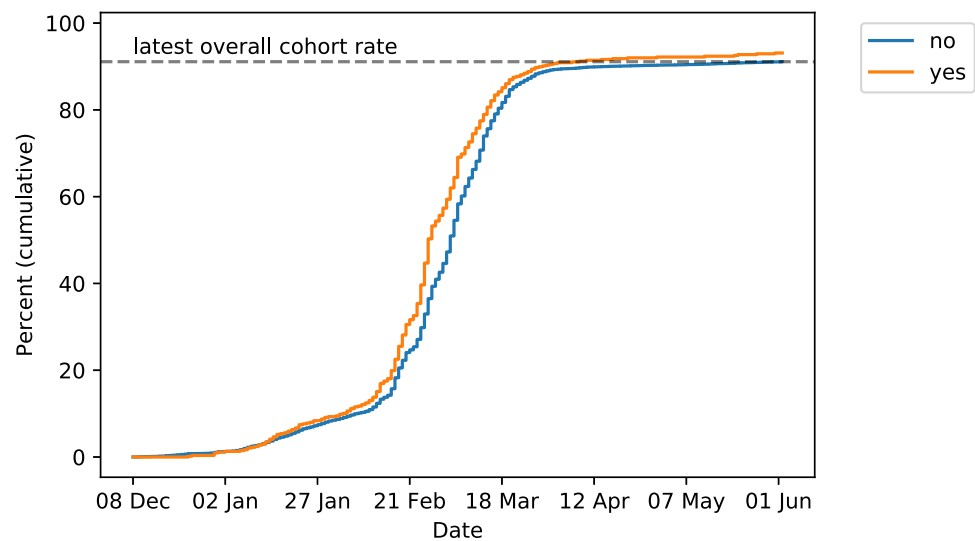
COVID vaccinations among 60-64 population

by Current COPD



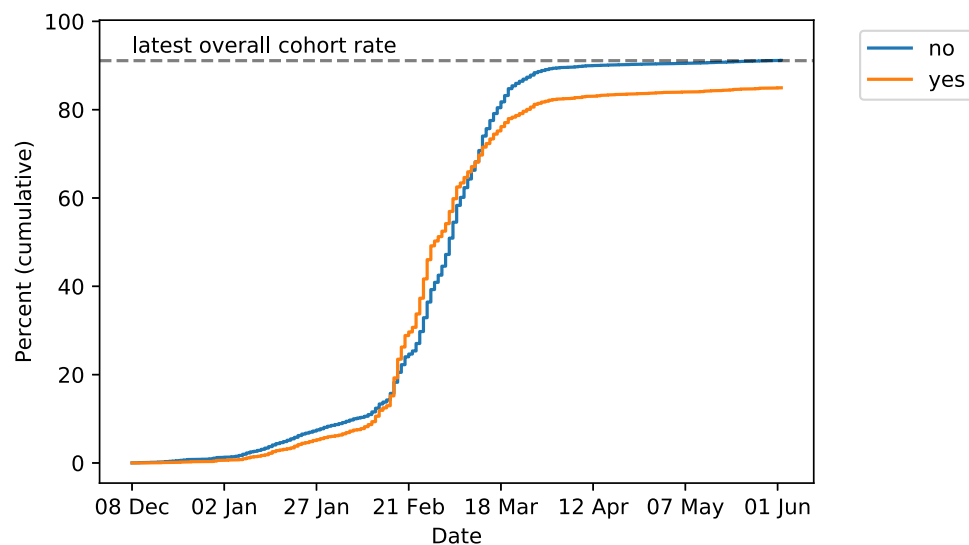
COVID vaccinations among 60-64 population

by Dementia



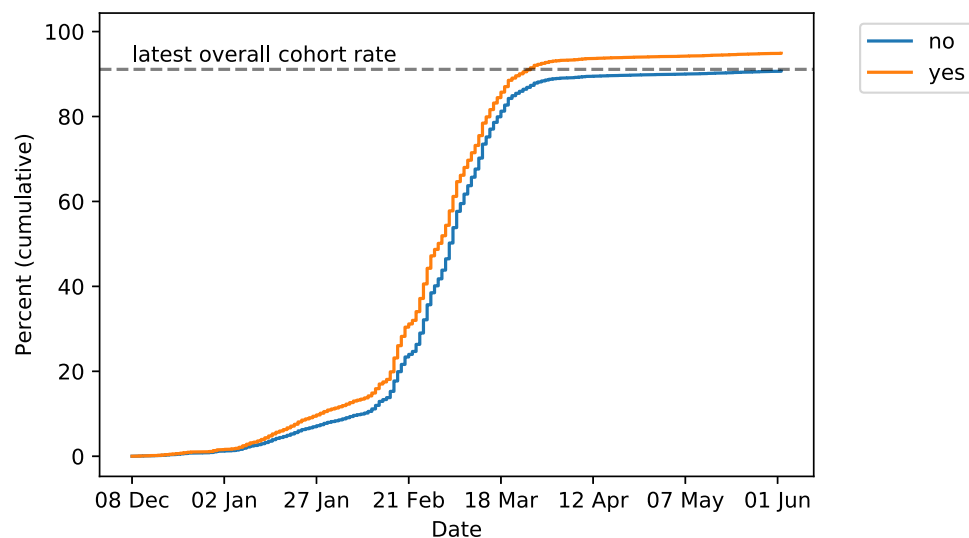
COVID vaccinations among 60-64 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 60-64 population

by SSRI (last 12 months)



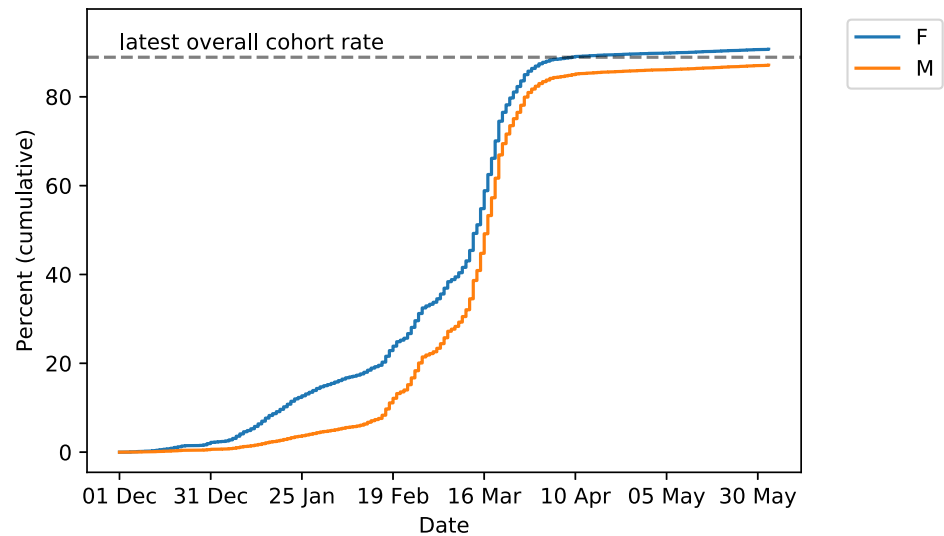
Trends in vaccination rates of 55-59 population according to demographic/clinical features, cumulatively by day.

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

55-59 population

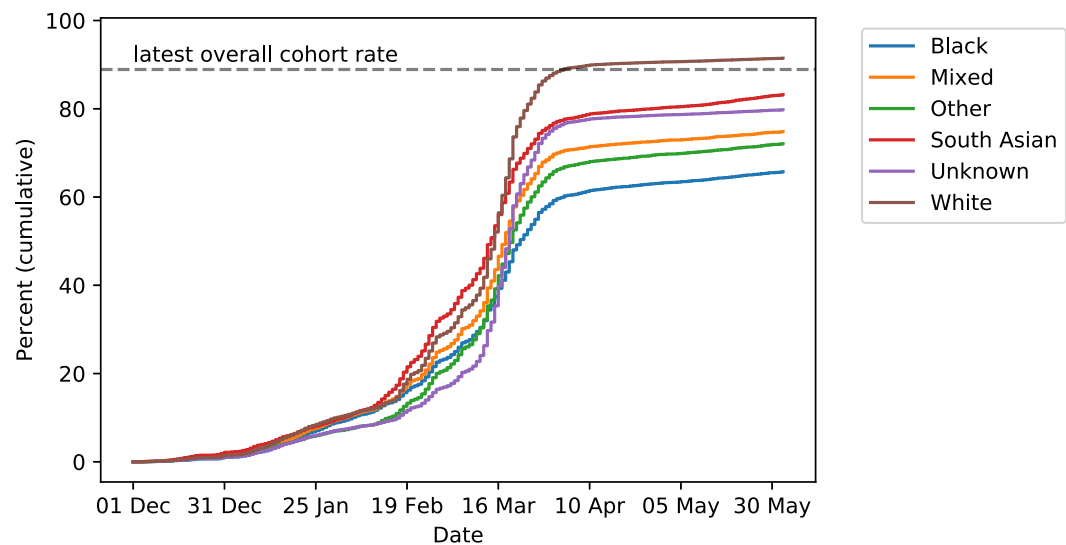
COVID vaccinations among 55-59 population

by Sex



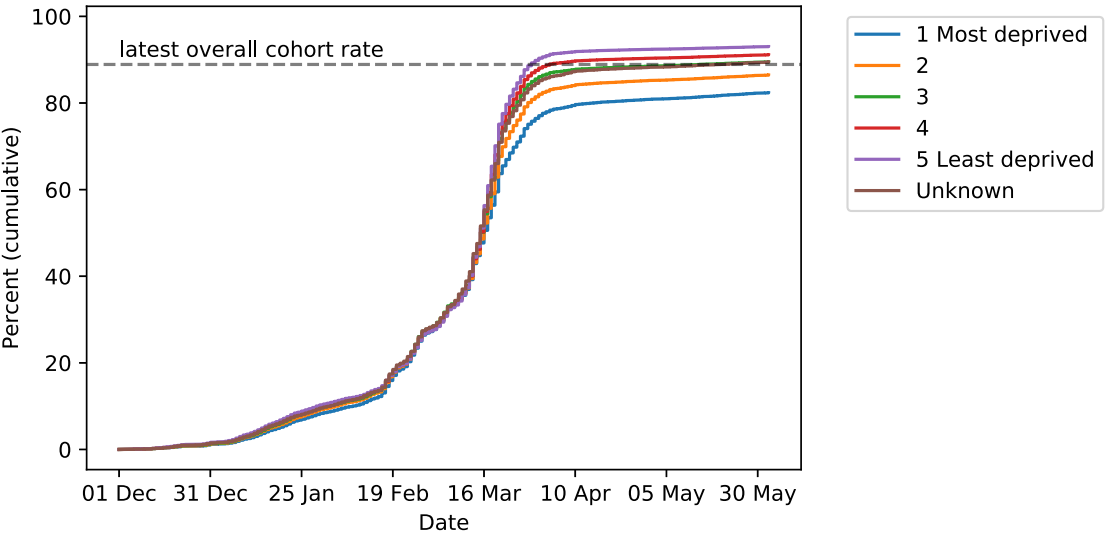
COVID vaccinations among 55-59 population

by Ethnicity (broad categories)



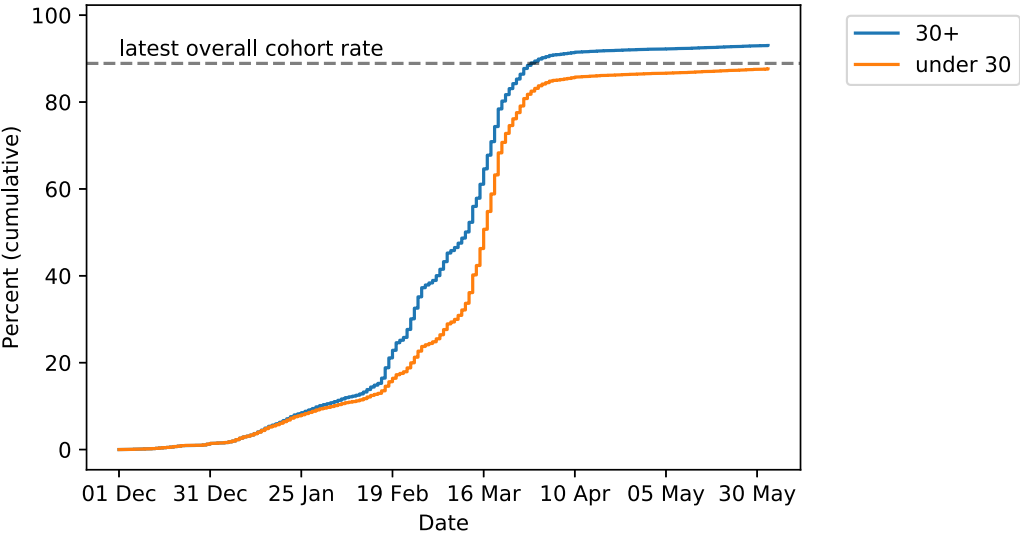
COVID vaccinations among 55-59 population

by Index of Multiple Deprivation (quintiles)



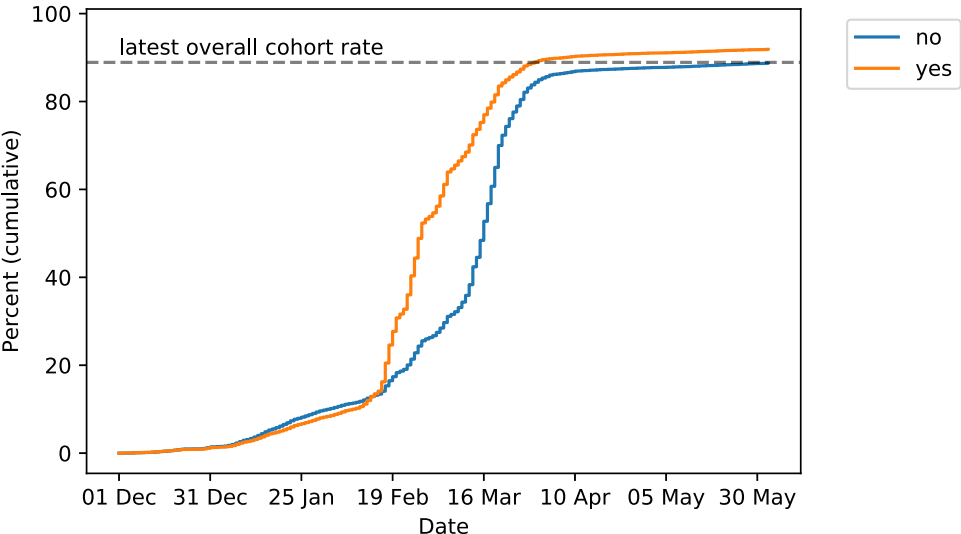
COVID vaccinations among 55-59 population

by BMI



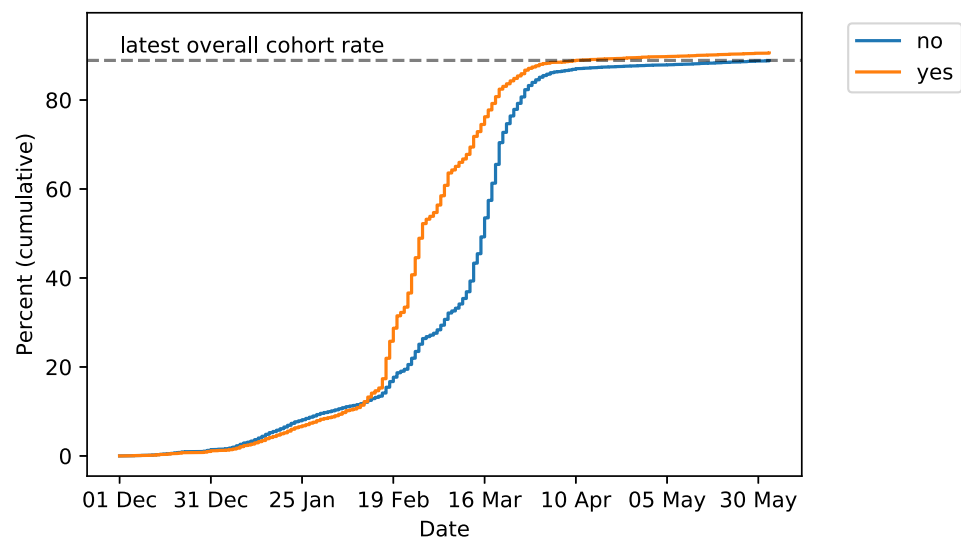
COVID vaccinations among 55-59 population

by Chronic cardiac disease



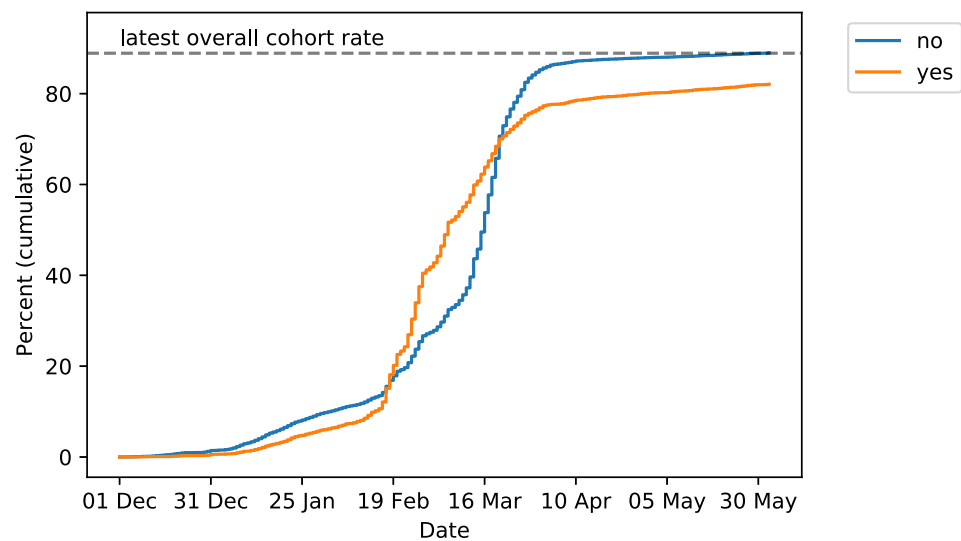
COVID vaccinations among 55-59 population

by Current COPD



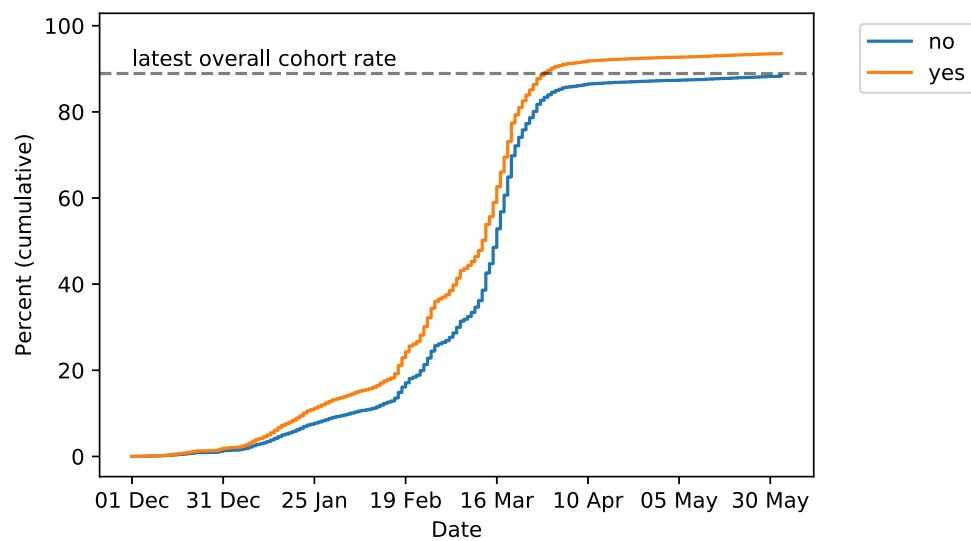
COVID vaccinations among 55-59 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 55-59 population

by SSRI (last 12 months)



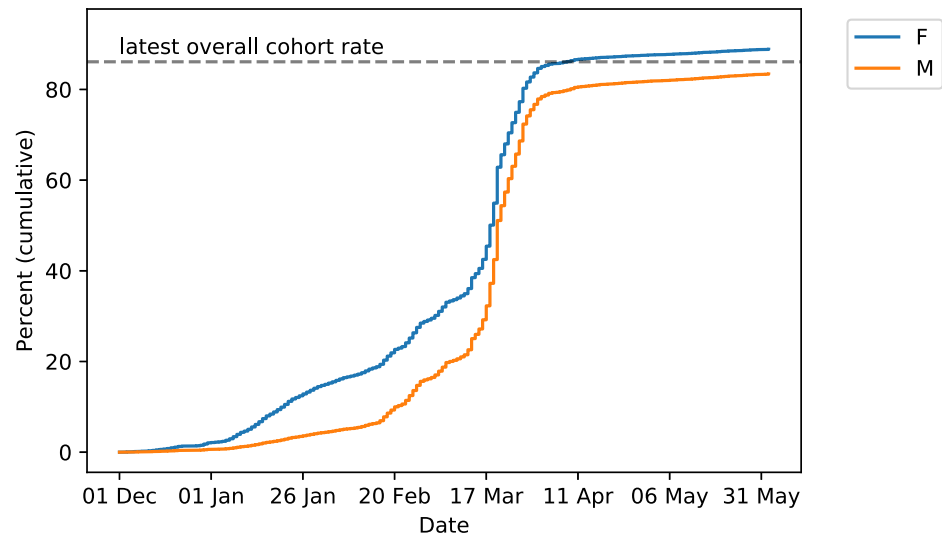
Trends in vaccination rates of 50-54 population according to demographic/clinical features, cumulatively by day.

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

50-54 population

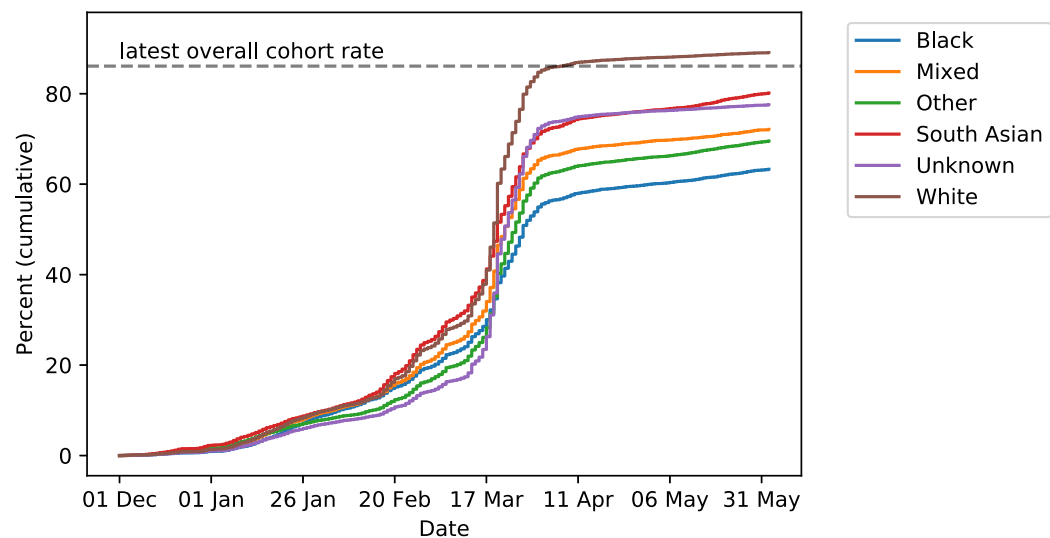
COVID vaccinations among 50-54 population

by Sex



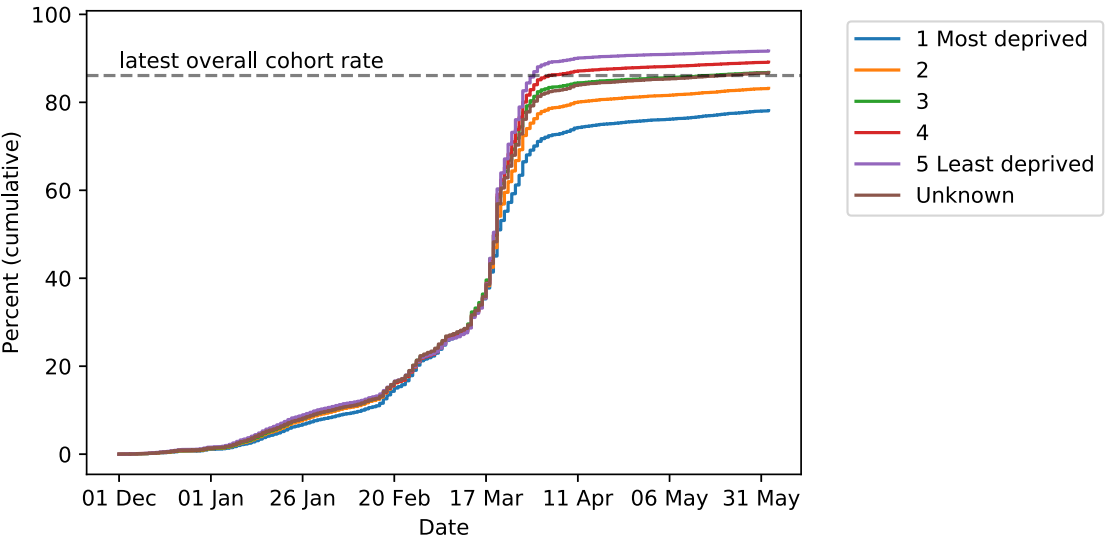
COVID vaccinations among 50-54 population

by Ethnicity (broad categories)



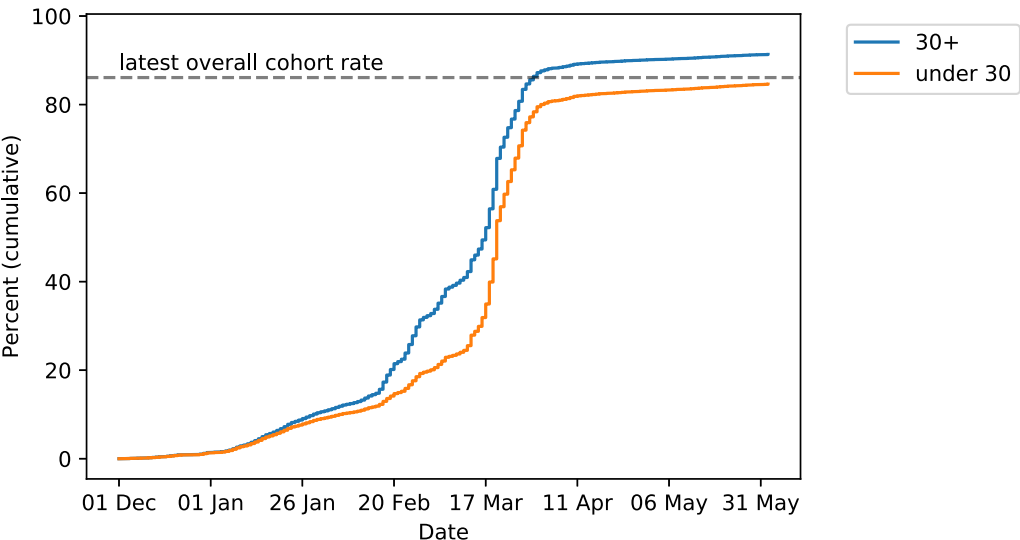
COVID vaccinations among 50-54 population

by Index of Multiple Deprivation (quintiles)



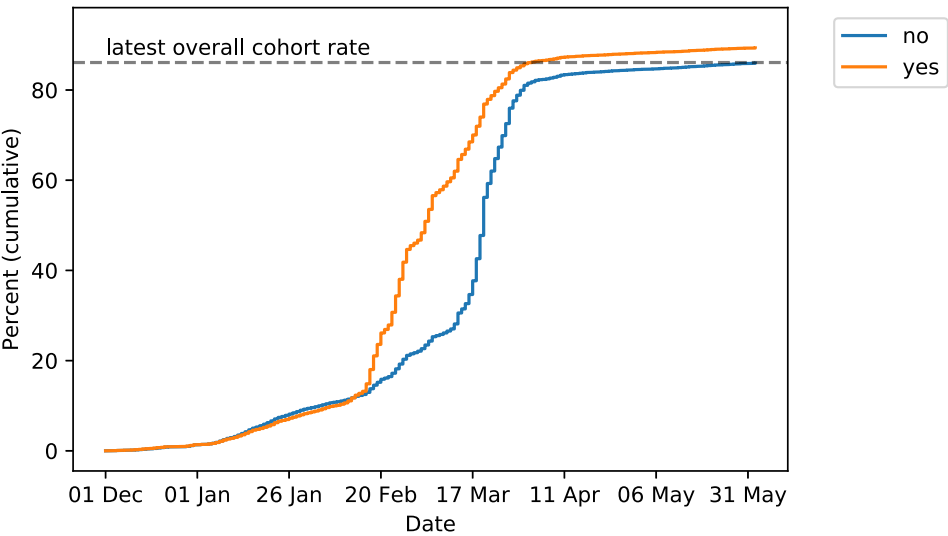
COVID vaccinations among 50-54 population

by BMI



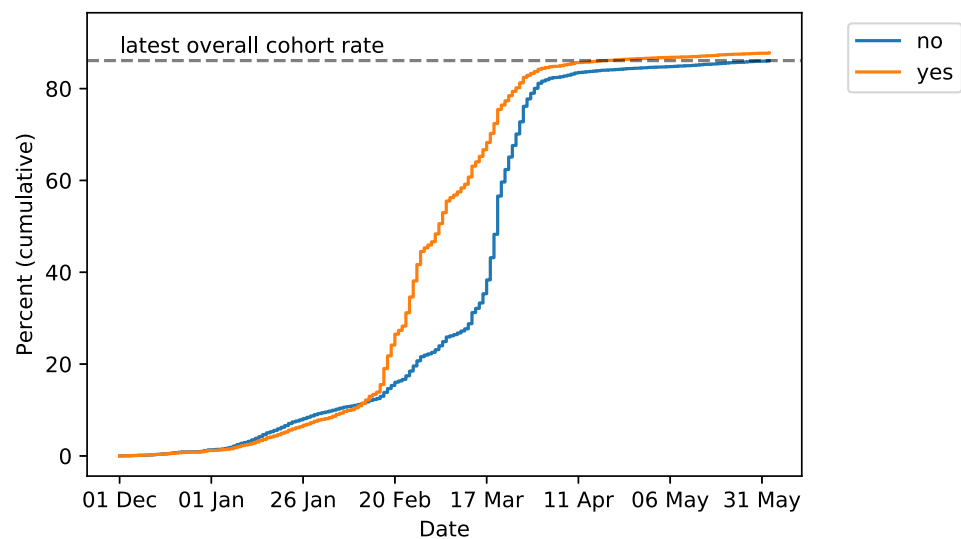
COVID vaccinations among 50-54 population

by Chronic cardiac disease



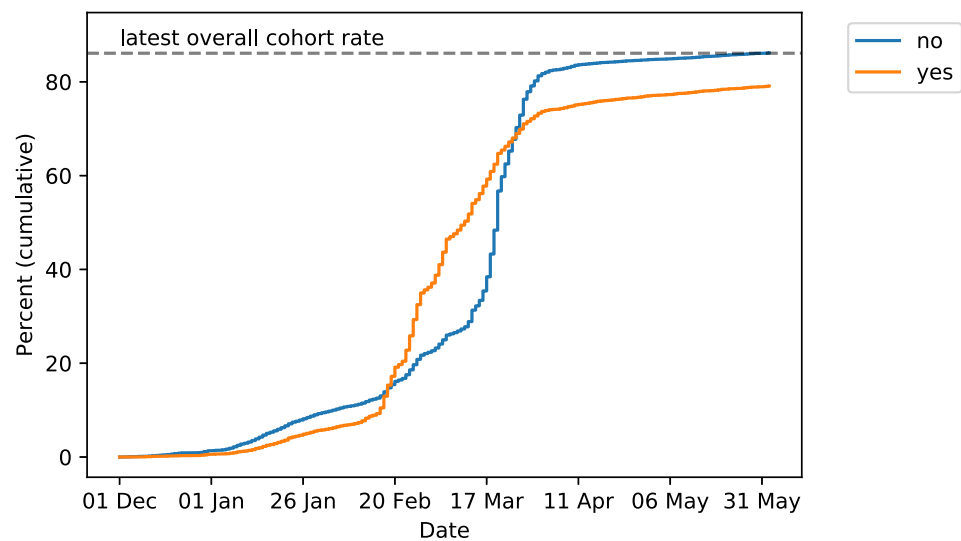
COVID vaccinations among 50-54 population

by Current COPD



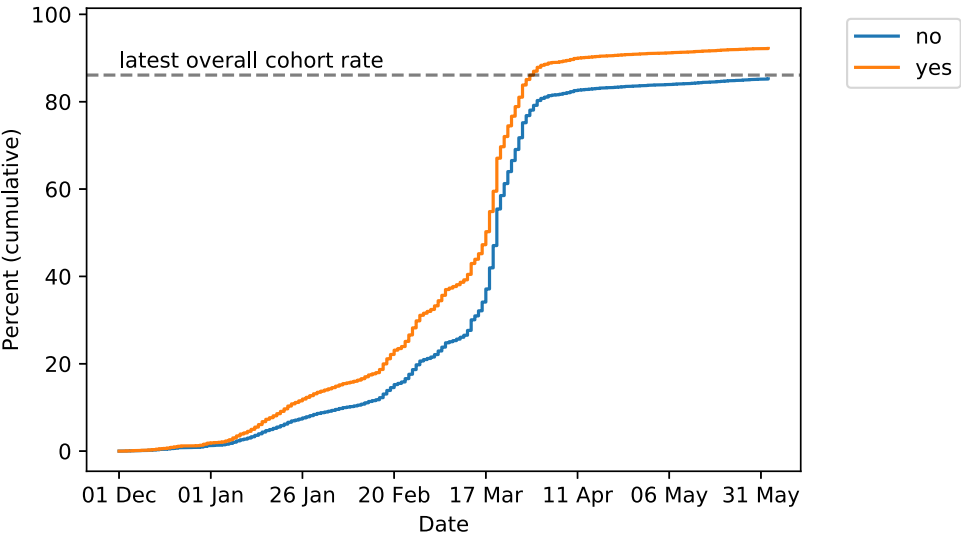
COVID vaccinations among 50-54 population

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 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1070754	96.3	1111726	96.3	0.0
Sex	F	620655	96.2	644896	96.2	0.0
	M	450093	96.4	466823	96.4	0.0
Age band	80-84	566433	96.6	586642	96.5	0.1
	85-89	334439	96.4	346871	96.4	0.0
	90+	169883	95.3	178213	95.3	0.0
Ethnicity (broad categories)	Black	8386	76.2	11004	76.1	0.1
	Mixed	2737	84.1	3255	84.1	0.0
	Other	5614	83.6	6713	83.5	0.1
	South Asian	24738	87.9	28154	87.8	0.1
	Unknown	53144	87.1	61012	87.1	0.0
	White	976122	97.5	1001595	97.4	0.1
ethnicity 16 groups	African	1414	67.8	2086	67.4	0.4
	Bangladeshi or British Bangladeshi	1085	84.2	1288	84.2	0.0
	Caribbean	5985	78.9	7581	78.9	0.0
	Chinese	1344	80.3	1673	80.3	0.0
	Other	4277	84.9	5040	84.7	0.2
	Other Asian	3682	84.4	4361	84.3	0.1
	British or Mixed British	927220	97.7	948941	97.7	0.0
	Indian or British Indian	13657	91.9	14854	91.9	0.0
	Irish	9163	95.3	9618	95.3	0.0
	Other Black	987	73.8	1337	73.3	0.5
	Other White	39746	92.3	43050	92.3	0.0
	Other mixed	1008	88.3	1141	88.3	0.0
	Pakistani or British Pakistani	6321	82.6	7651	82.4	0.2
	Unknown	53130	87.1	60991	87.1	0.0
	White + Asian	483	89.6	539	89.6	0.0
	White + Black African	266	73.1	364	73.1	0.0
	White + Black Caribbean	973	81.3	1197	81.3	0.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	133945	93.5	143255	93.5	0.0
	2	177030	95.3	185703	95.3	0.0
	3	239680	96.6	248129	96.6	0.0
	4	249683	97.1	257229	97.1	0.0
	5 Least deprived	251195	97.6	257334	97.6	0.0
	Unknown	19208	95.7	20076	95.6	0.1
BMI	30+	188608	97.5	193375	97.5	0.0
	under 30	882140	96.1	918344	96.0	0.1
Chronic cardiac disease	no	745038	95.8	777357	95.8	0.0
	yes	325710	97.4	334362	97.4	0.0
Current COPD	no	957600	96.2	995666	96.2	0.0
	yes	113155	97.5	116053	97.5	0.0

		Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
Dialysis	no	1068760	96.3	1109668	96.3	0.0
	yes	1995	97.3	2051	97.3	0.0
DMARDs	no	1037001	96.3	1077342	96.2	0.1
	yes	33747	98.2	34377	98.1	0.1
Dementia	no	980077	96.3	1017751	96.3	0.0
	yes	90678	96.5	93975	96.5	0.0
Psychosis, schizophrenia, or bipolar	no	1062740	96.3	1103116	96.3	0.0
	yes	8008	93.1	8603	93.1	0.0
Learning disability	no	1070251	96.3	1111187	96.3	0.0
	yes	504	94.7	532	94.7	0.0
SSRI (last 12 months)	no	1003331	96.2	1042972	96.2	0.0
	yes	67417	98.1	68747	98.0	0.1
Chemo or radiotherapy	no	1034005	96.3	1074185	96.2	0.1
	yes	36750	97.9	37541	97.9	0.0
Cancer (lung)	no	1063419	96.3	1104208	96.3	0.0
	yes	7329	97.6	7511	97.6	0.0
Cancer (excluding lung/haem)	no	875161	96.0	911687	96.0	0.0
	yes	195594	97.8	200039	97.7	0.1
Cancer (haematological)	no	1050686	96.3	1091195	96.3	0.0
	yes	20069	97.8	20524	97.7	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 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1980584	95.8	2067044	95.8	0.0
Sex	F	1040620	95.9	1084657	95.9	0.0
	M	939960	95.7	982380	95.6	0.1
Age band	70-74	1146313	95.4	1201270	95.4	0.0
	75-79	834267	96.4	865774	96.3	0.1
Ethnicity (broad categories)	Black	10801	73.6	14672	73.4	0.2
	Mixed	5362	83.2	6447	83.1	0.1
	Other	12460	81.1	15358	81.0	0.1
	South Asian	48419	88.2	54873	88.0	0.2
ethnicity 16 groups	Unknown	126266	89.0	141932	88.9	0.1
	White	1777265	96.9	1833762	96.9	0.0
	African	3591	68.6	5236	68.3	0.3
	Bangladeshi or British Bangladeshi	1582	86.6	1827	86.2	0.4
	Caribbean	5327	76.6	6951	76.5	0.1
	Chinese	3255	80.0	4067	79.9	0.1
	Other	9198	81.5	11291	81.3	0.2
	Other Asian	9513	85.5	11130	85.2	0.3
	British or Mixed British	1689625	97.3	1735706	97.3	0.0
	Indian or British Indian	27741	91.6	30296	91.4	0.2
	Irish	14343	94.2	15232	94.2	0.0
	Other Black	1883	75.8	2485	75.8	0.0
	Other White	73325	88.5	82852	88.4	0.1
	Other mixed	2121	84.9	2499	84.9	0.0
	Pakistani or British Pakistani	9576	82.5	11613	82.1	0.4
	Unknown	126266	89.0	141939	88.9	0.1
	White + Asian	1204	88.7	1358	88.7	0.0
	White + Black African	833	77.3	1078	77.3	0.0
	White + Black Caribbean	1183	79.7	1484	79.7	0.0
Index of Multiple Deprivation (quintiles)	1 Most deprived	252819	93.1	271425	93.1	0.0
	2	331772	94.8	350042	94.7	0.1
	3	442183	96.0	460460	96.0	0.0
	4	460621	96.5	477148	96.5	0.0
	5 Least deprived	456190	97.3	468972	97.3	0.0
	Unknown	36995	94.9	38990	94.8	0.1
BMI	30+	497357	97.2	511630	97.2	0.0
	under 30	1483216	95.4	1555407	95.3	0.1
Chronic cardiac disease	no	1618498	95.6	1693811	95.5	0.1
	yes	362082	97.0	373226	97.0	0.0
Current COPD	no	1789746	95.7	1870498	95.6	0.1
	yes	190834	97.1	196539	97.1	0.0
Dialysis	no	1976590	95.8	2062914	95.8	0.0

		Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
	yes	3990	96.8	4123	96.8	0.0
DMARDs	no	1909607	95.7	1994559	95.7	0.0
	yes	70973	97.9	72478	97.9	0.0
Dementia	no	1937761	95.8	2022615	95.8	0.0
	yes	42819	96.4	44422	96.3	0.1
Psychosis, schizophrenia, or bipolar	no	1961806	95.9	2046583	95.8	0.1
	yes	18774	91.8	20461	91.6	0.2
Learning disability	no	1977717	95.8	2064013	95.8	0.0
	yes	2863	94.7	3024	94.7	0.0
SSRI (last 12 months)	no	1828050	95.7	1911154	95.6	0.1
	yes	152530	97.8	155883	97.8	0.0
Chemo or radiotherapy	no	1912267	95.8	1997114	95.7	0.1
	yes	68306	97.7	69930	97.7	0.0
Cancer (lung)	no	1968015	95.8	2054129	95.8	0.0
	yes	12565	97.3	12908	97.3	0.0
Cancer (excluding lung/haem)	no	1698718	95.5	1778189	95.5	0.0
	yes	281862	97.6	288848	97.6	0.0
Cancer (haematological)	no	1950669	95.8	2036363	95.8	0.0
	yes	29904	97.5	30674	97.5	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 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	81960	96.4	85022	96.4	0.0
Sex	F	58261	96.7	60270	96.6	0.1
	M	23695	95.7	24752	95.6	0.1
Age band	65-69	4529	93.9	4823	93.9	0.0
	70-74	7007	94.6	7406	94.6	0.0
	75-79	9709	96.1	10108	96.0	0.1
	80-84	14476	96.8	14959	96.8	0.0
	85-89	19222	96.6	19894	96.6	0.0
	90+	27013	97.1	27832	97.0	0.1
Ethnicity (broad categories)	Black	413	86.8	476	86.8	0.0
	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	2009	93.2	2156	93.2	0.0
	White	78351	96.6	81123	96.5	0.1
Dementia	no	36925	95.5	38682	95.4	0.1
	yes	45038	97.2	46333	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.

		Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	736857	88.7	830347	88.5	0.2
newly shielded since feb 15	no	460250	91.9	501088	91.7	0.2
	yes	276612	84.0	329259	83.6	0.4
Sex	F	410487	88.0	466200	87.8	0.2
	M	326354	89.6	364126	89.4	0.2
Age band	16-29	53781	77.2	69657	76.9	0.3
	30-39	102543	80.5	127316	80.0	0.5
	40-49	145467	87.5	166222	87.2	0.3
	50-59	209776	91.6	228914	91.5	0.1
	60-69	225281	94.6	238231	94.5	0.1
Ethnicity (broad categories)	Black	31591	70.9	44527	70.4	0.5
	Mixed	10976	76.4	14371	75.9	0.5
	Other	14091	77.4	18207	76.9	0.5
	South Asian	90706	83.7	108409	83.0	0.7
	Unknown	27580	86.7	31829	86.4	0.3
	White	561904	91.7	612983	91.5	0.2
Index of Multiple Deprivation (quintiles)	1 Most deprived	205709	84.3	244076	84.0	0.3
	2	164689	87.8	187558	87.5	0.3
	3	142800	90.4	157955	90.2	0.2
	4	114688	92.5	124012	92.3	0.2
	5 Least deprived	90944	94.3	96397	94.2	0.1
	Unknown	18018	88.6	20328	88.4	0.2
Learning disability	no	712026	88.6	803418	88.4	0.2
	yes	24822	92.2	26915	92.1	0.1

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.

		Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	999962	93.2	1073464	93.1	0.1
Sex	F	514479	93.7	549136	93.6	0.1
	M	485478	92.6	524321	92.5	0.1
Ethnicity (broad categories)	Black	7665	70.9	10808	70.5	0.4
	Mixed	3941	79.7	4942	79.5	0.2
	Other	9149	76.7	11928	76.3	0.4
	South Asian	37744	86.8	43477	86.5	0.3
	Unknown	84224	85.1	99015	85.0	0.1
	White	857234	94.9	903287	94.9	0.0
	White	857234	94.9	903287	94.9	0.0
ethnicity 16 groups	African	2968	68.9	4305	68.5	0.4
	Bangladeshi or British Bangladeshi	1533	88.3	1736	87.9	0.4
	Caribbean	3178	71.0	4473	70.6	0.4
	Chinese	2905	76.7	3787	76.5	0.2
	Other	6244	76.6	8148	76.3	0.3
	Other Asian	6902	85.1	8106	84.9	0.2
	British or Mixed British	811251	95.9	845859	95.9	0.0
	Indian or British Indian	20636	90.2	22890	89.9	0.3
	Irish	5971	91.2	6545	91.1	0.1
	Other Black	1519	74.8	2030	74.5	0.3
	Other White	39998	78.6	50869	78.5	0.1
	Other mixed	1519	79.5	1911	79.5	0.0
	Pakistani or British Pakistani	8680	80.7	10752	80.2	0.5
	Unknown	84224	85.1	99008	85.0	0.1
	White + Asian	896	87.7	1022	87.0	0.7
	White + Black African	658	74.0	889	74.0	0.0
	White + Black Caribbean	868	77.5	1120	76.9	0.6
Index of Multiple Deprivation (quintiles)	1 Most deprived	135527	88.8	152607	88.7	0.1
	2	172452	91.6	188328	91.5	0.1
	3	222152	93.5	237538	93.5	0.0
	4	227157	94.5	240464	94.4	0.1
	5 Least deprived	222033	95.6	232267	95.6	0.0
	Unknown	20629	92.7	22253	92.7	0.0
BMI	30+	256459	95.6	268324	95.5	0.1
	under 30	743498	92.3	805133	92.3	0.0
Chronic cardiac disease	no	893235	92.9	961107	92.9	0.0
	yes	106722	95.0	112343	94.9	0.1
Current COPD	no	961401	93.1	1032738	93.0	0.1
	yes	38556	94.7	40719	94.6	0.1
DMARDs	no	980679	93.1	1053444	93.0	0.1
	yes	19278	96.3	20013	96.3	0.0
Dementia	no	994525	93.1	1067675	93.1	0.0

Category	Group	Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
	yes	5432	93.9	5782	93.7	0.2
Psychosis, schizophrenia, or bipolar	no	989702	93.2	1061788	93.1	0.1
	yes	10255	87.9	11669	87.7	0.2
Learning disability	no	997640	93.2	1070944	93.1	0.1
	yes	2317	92.2	2513	91.9	0.3
SSRI (last 12 months)	no	911960	92.9	981953	92.8	0.1
	yes	87997	96.2	91497	96.1	0.1
Chemo or radiotherapy	no	980889	93.1	1053640	93.0	0.1
	yes	19068	96.2	19817	96.2	0.0
Cancer (lung)	no	998221	93.2	1071623	93.1	0.1
	yes	1736	94.7	1834	94.3	0.4
Cancer (excluding lung/haem)	no	914739	92.9	984704	92.8	0.1
	yes	85218	96.0	88753	96.0	0.0
Cancer (haematological)	no	996478	93.1	1069789	93.1	0.0
	yes	3479	94.8	3668	94.8	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.
- 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 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	68516	83.4	82166	83.1	0.3
Sex	F	26600	85.8	31010	85.4	0.4
	M	41916	81.9	51156	81.6	0.3
Age band	16-29	25998	76.2	34097	75.9	0.3
	30-34	8757	82.4	10633	82.0	0.4
	35-39	6629	86.2	7686	85.9	0.3
	40-44	5369	89.2	6020	88.8	0.4
	45-49	5523	90.2	6125	89.9	0.3
	50-54	5943	92.1	6454	91.9	0.2
	55-59	5873	91.8	6398	91.6	0.2
	60-64	4424	93.1	4753	92.8	0.3
Ethnicity (broad categories)	Black	791	58.9	1344	58.3	0.6
	Mixed	721	66.5	1085	65.2	1.3
	Other	476	68.7	693	68.7	0.0
	South Asian	3304	70.2	4704	69.5	0.7
	Unknown	5250	80.4	6531	80.1	0.3
	White	57974	85.5	67816	85.2	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.

Category	Group	Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1165021	91.1	1279005	90.9	0.2
Sex	F	587503	92.3	636818	92.1	0.2
	M	577507	89.9	642173	89.8	0.1
Ethnicity (broad categories)	Black	13342	68.4	19516	67.9	0.5
	Mixed	6174	77.4	7973	77.1	0.3
	Other	12110	74.2	16331	73.6	0.6
	South Asian	44891	85.3	52619	84.9	0.4
	Unknown	114065	82.5	138222	82.4	0.1
	White	974428	93.3	1044344	93.2	0.1
	White	974428	93.3	1044344	93.2	0.1
ethnicity 16 groups	African	5341	69.4	7693	68.8	0.6
	Bangladeshi or British Bangladeshi	1988	87.9	2261	87.6	0.3
	Caribbean	5173	66.2	7812	65.9	0.3
	Chinese	3710	77.5	4788	76.9	0.6
	Other	8386	72.8	11522	72.3	0.5
	Other Asian	9275	83.2	11151	82.7	0.5
	British or Mixed British	916902	94.8	967400	94.7	0.1
	Indian or British Indian	23408	88.6	26432	88.2	0.4
	Irish	5796	88.3	6566	88.1	0.2
	Other Black	2828	70.4	4018	69.9	0.5
	Other White	51772	73.5	70427	73.2	0.3
	Other mixed	2324	76.5	3038	76.3	0.2
	Pakistani or British Pakistani	10220	80.0	12768	79.4	0.6
	Unknown	114037	82.5	138187	82.4	0.1
	White + Asian	1274	86.7	1470	86.2	0.5
	White + Black African	1120	75.5	1484	75.0	0.5
	White + Black Caribbean	1456	73.8	1974	73.0	0.8
Index of Multiple Deprivation (quintiles)	1 Most deprived	169260	85.6	197848	85.3	0.3
	2	206241	89.1	231406	89.0	0.1
	3	254821	91.6	278103	91.5	0.1
	4	259889	92.9	279727	92.8	0.1
	5 Least deprived	250642	94.5	265307	94.4	0.1
	Unknown	24171	90.9	26600	90.6	0.3
BMI	30+	293713	94.5	310912	94.4	0.1
	under 30	871304	90.0	968086	89.9	0.1
Chronic cardiac disease	no	1076453	90.9	1184393	90.7	0.2
	yes	88564	93.6	94598	93.5	0.1
Current COPD	no	1132817	91.0	1244369	90.9	0.1
	yes	32193	93.0	34622	92.9	0.1
DMARDs	no	1145067	91.0	1258068	90.9	0.1
	yes	19943	95.3	20923	95.2	0.1
Dementia	no	1161510	91.1	1275232	90.9	0.2

Category	Group	Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar SSRI (last 12 months)	yes	3500	93.1	3759	92.9	0.2
	no	1152480	91.2	1264242	91.0	0.2
	yes	12530	85.0	14749	84.8	0.2
	no	1042013	90.7	1149337	90.5	0.2
	yes	122997	94.9	129654	94.7	0.2
	no	1147720	91.0	1260875	90.9	0.1
Chemo or radiotherapy Cancer (lung)	yes	17297	95.5	18116	95.4	0.1
	no	1163918	91.1	1277794	90.9	0.2
	yes	1099	91.8	1197	91.8	0.0
Cancer (excluding lung/haem)	no	1095752	90.9	1206037	90.7	0.2
	yes	69265	94.9	72954	94.9	0.0
Cancer (haematological)	no	1161874	91.1	1275659	90.9	0.2
	yes	3143	94.1	3339	93.9	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 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1344091	88.9	1512504	88.7	0.2
Sex	F	674506	90.7	743764	90.5	0.2
	M	669578	87.1	768733	86.9	0.2
Ethnicity (broad categories)	Black	20363	65.7	30989	65.2	0.5
	Mixed	9184	74.8	12278	74.4	0.4
	Other	15995	72.0	22204	71.5	0.5
	South Asian	49987	83.2	60102	82.5	0.7
	Unknown	134099	79.7	168154	79.5	0.2
	White	1114456	91.4	1218770	91.3	0.1
	White	1114456	91.4	1218770	91.3	0.1
ethnicity 16 groups	African	8673	68.1	12740	67.5	0.6
	Bangladeshi or British Bangladeshi	2604	86.9	2996	86.0	0.9
	Caribbean	6811	62.0	10983	61.6	0.4
	Chinese	4711	76.3	6174	75.9	0.4
	Other	11291	70.4	16030	69.9	0.5
	Other Asian	12166	81.4	14945	80.8	0.6
	British or Mixed British	1043392	93.2	1119713	93.0	0.2
	Indian or British Indian	24745	86.9	28476	86.4	0.5
	Irish	6587	85.5	7707	85.2	0.3
	Other Black	4886	67.2	7273	66.7	0.5
	Other White	64498	70.6	91371	70.2	0.4
	Other mixed	3241	74.6	4347	74.2	0.4
	Pakistani or British Pakistani	10472	76.6	13678	75.6	1.0
	Unknown	134071	79.7	168133	79.5	0.2
	White + Asian	1890	83.1	2275	82.5	0.6
	White + Black African	1680	72.1	2331	71.5	0.6
	White + Black Caribbean	2373	71.2	3332	71.0	0.2
Index of Multiple Deprivation (quintiles)	1 Most deprived	201873	82.4	245070	82.1	0.3
	2	238791	86.5	276171	86.2	0.3
	3	290493	89.5	324597	89.3	0.2
	4	296765	91.1	325633	91.0	0.1
	5 Least deprived	288680	93.0	310310	92.9	0.1
	Unknown	27482	89.5	30716	89.2	0.3
BMI	30+	325675	93.0	350119	92.8	0.2
	under 30	1018409	87.6	1162378	87.4	0.2
Chronic cardiac disease	no	1276821	88.7	1439270	88.5	0.2
	yes	67263	91.9	73227	91.7	0.2
Current COPD	no	1318849	88.8	1484630	88.6	0.2
	yes	25235	90.6	27867	90.4	0.2
DMARDs	no	1324106	88.8	1491196	88.6	0.2
	yes	19978	93.8	21294	93.7	0.1
Psychosis,	no	1328628	89.0	1493653	88.7	0.3

		Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
schizophrenia, or bipolar	yes	15456	82.1	18837	81.7	0.4
SSRI (last 12 months)	no	1186829	88.3	1344357	88.1	0.2
	yes	157255	93.5	168140	93.4	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.

Category	Group	Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
overall	overall	1345749	86.1	1563681	85.8	0.3
Sex	F	678013	88.9	763035	88.6	0.3
	M	667723	83.4	800632	83.1	0.3
Ethnicity (broad categories)	Black	23814	63.3	37625	62.6	0.7
	Mixed	11060	72.1	15337	71.5	0.6
	Other	19908	69.5	28630	68.8	0.7
	South Asian	68579	80.1	85568	79.4	0.7
	Unknown	144606	77.5	186501	77.3	0.2
	White	1077776	89.1	1210006	88.9	0.2
	White	1077776	89.1	1210006	88.9	0.2
ethnicity 16 groups	African	13062	65.8	19852	65.0	0.8
	Bangladeshi or British Bangladeshi	4193	85.3	4914	84.5	0.8
	Caribbean	5355	56.9	9408	56.5	0.4
	Chinese	5215	75.8	6881	75.1	0.7
	Other	14693	67.5	21756	66.8	0.7
	Other Asian	16506	79.0	20895	78.4	0.6
	British or Mixed British	995078	91.5	1087268	91.4	0.1
	Indian or British Indian	30079	84.6	35560	83.9	0.7
	Irish	6510	82.8	7861	82.6	0.2
	Other Black	5390	64.4	8365	63.8	0.6
	Other White	76195	66.3	114870	65.9	0.4
	Other mixed	3969	71.0	5593	70.5	0.5
	Pakistani or British Pakistani	17794	73.5	24199	72.5	1.0
	Unknown	144599	77.5	186508	77.3	0.2
	White + Asian	2429	81.8	2968	81.1	0.7
	White + Black African	2282	68.9	3311	68.1	0.8
	White + Black Caribbean	2380	68.7	3465	68.1	0.6
Index of Multiple Deprivation (quintiles)	1 Most deprived	212779	78.1	272405	77.7	0.4
	2	243362	83.2	292586	82.9	0.3
	3	284949	86.8	328258	86.6	0.2
	4	290857	89.1	326340	88.9	0.2
	5 Least deprived	286006	91.7	312046	91.5	0.2
	Unknown	27783	86.7	32032	86.4	0.3
BMI	30+	310387	91.3	339885	91.1	0.2
	under 30	1035349	84.6	1223782	84.3	0.3
Chronic cardiac disease	no	1302812	86.0	1515619	85.7	0.3
	yes	42924	89.3	48048	89.2	0.1
Current COPD	no	1329251	86.0	1544879	85.8	0.2
	yes	16485	87.7	18788	87.6	0.1
DMARDs	no	1328369	86.0	1544907	85.7	0.3
	yes	17367	92.6	18760	92.4	0.2
Psychosis,	no	1330098	86.2	1543885	85.9	0.3

		Vaccinated at 02 Jun (n)	Vaccinated at 02 Jun (%)	Total eligible	Previous week's vaccination coverage (%)	Vaccinated over last 7d (%)
Category	Group					
schizophrenia, or bipolar	yes	15638	79.1	19775	78.7	0.4
SSRI (last 12 months)	no	1173067	85.2	1376375	85.0	0.2
	yes	172669	92.2	187292	92.0	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 02 Jun (n)	Previous week's vaccination figure (n)	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Category	Group				
overall	overall	4674554	4336370.0	338184.0	7.8
Sex	F	2510452	2356025.0	154427.0	6.6
	M	2163966	1980209.0	183757.0	9.3
Age band	16-29	783328	732312.0	51016.0	7.0
	30-39	1656844	1402135.0	254709.0	18.2
	40-49	2234239	2201787.0	32452.0	1.5
Ethnicity (broad categories)	Black	89376	83090.0	6286.0	7.6
	Mixed	62111	56980.0	5131.0	9.0
	Other	110635	99617.0	11018.0	11.1
	South Asian	394471	356804.0	37667.0	10.6
	Unknown	465507	424571.0	40936.0	9.6
	White	3552318	3315172.0	237146.0	7.2
	African	59766	55545.0	4221.0	7.6
	Bangladeshi or British Bangladeshi	28721	26355.0	2366.0	9.0
ethnicity 16 groups	Caribbean	11613	10836.0	777.0	7.2
	Chinese	27825	24528.0	3297.0	13.4
	Other	82789	75082.0	7707.0	10.3
	Other Asian	88732	80409.0	8323.0	10.4
	British or Mixed British	3146647	2949401.0	197246.0	6.7
	Indian or British Indian	176848	158970.0	17878.0	11.2
	Irish	21042	19523.0	1519.0	7.8
	Other Black	17997	16723.0	1274.0	7.6
	Other White	384685	346290.0	38395.0	11.1
	Other mixed	24010	21805.0	2205.0	10.1
	Pakistani or British Pakistani	100142	91042.0	9100.0	10.0
	Unknown	465486	424564.0	40922.0	9.6
	White + Asian	14966	13699.0	1267.0	9.2
	White + Black African	11704	10885.0	819.0	7.5
	White + Black Caribbean	11431	10591.0	840.0	7.9
Index of Multiple Deprivation (quintiles)	1 Most deprived	831901	772674.0	59227.0	7.7
	2	899437	829549.0	69888.0	8.4
	3	966063	893620.0	72443.0	8.1
	4	939771	873348.0	66423.0	7.6
	5 Least deprived	887614	830683.0	56931.0	6.9
	Unknown	149625	136367.0	13258.0	9.7
BMI	30+	847105	809683.0	37422.0	4.6
	under 30	3827306	3526551.0	300755.0	8.5
Chronic cardiac disease	no	4611131	4273528.0	337603.0	7.9
	yes	63280	62713.0	567.0	0.9
Current COPD	no	4656995	4319308.0	337687.0	7.8
	yes	17423	16933.0	490.0	2.9

Category	Group	Vaccinated at 02 Jun (n)	Previous week's vaccination figure (n)	Vaccinated over last 7 d (n)	Increase in coverage over last 7 d (%)
DMARDs	no	4631046	4293730.0	337316.0	7.9
	yes	43372	42504.0	868.0	2.0
SSRI (last 12 months)	no	4073496	3765951.0	307545.0	8.2
	yes	600922	570290.0	30632.0	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+	1111726	94.5
70-79	2067044	93.1
care home	85022	97.5
shielding (aged 16-69)	830347	96.2
65-69	1073464	90.8
LD (aged 16-64)	82166	92.1
60-64	1279005	89.2
55-59	1512504	88.9
50-54	1563681	88.1