

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 09 Feb 2021

Vaccinations included up to 04 Feb 2021 inclusive

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- Trends in vaccination coverage according to demographic/clinical features, for:
 - [80+ population](#)
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- [Current vaccination coverage of each eligible population group, according to demographic/clinical features](#)

Overview of Vaccination Figures to date

As at 04 Feb 2021:

Total population vaccinated in TPP: 3,620,281

80+ population vaccinated: 1,005,963 (86.5% of 1,162,346)

70-79 population vaccinated: 1,245,195 (59.7% of 2,084,722)

care home population vaccinated: 77,273 (79.7% of 97,001)

under 70s, not in other eligible groups shown population vaccinated: 1,291,850

Vaccine types and second doses:

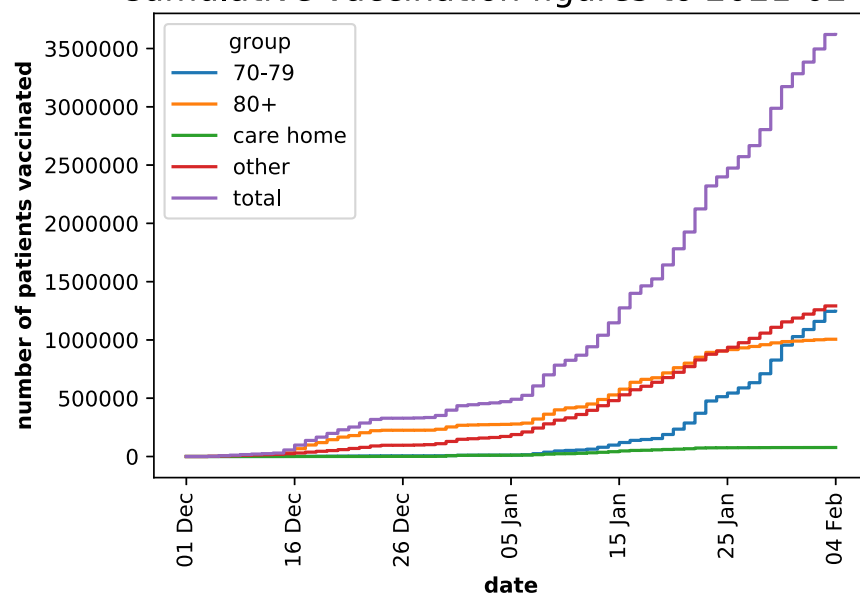
Second doses (% of all vaccinated): 182,560 (5.0%)

Oxford-AZ vaccines (% of all first doses): 1,243,375 (34.3%)

figures rounded to nearest 7

Summary Chart

Cumulative vaccination figures to 2021-02-04



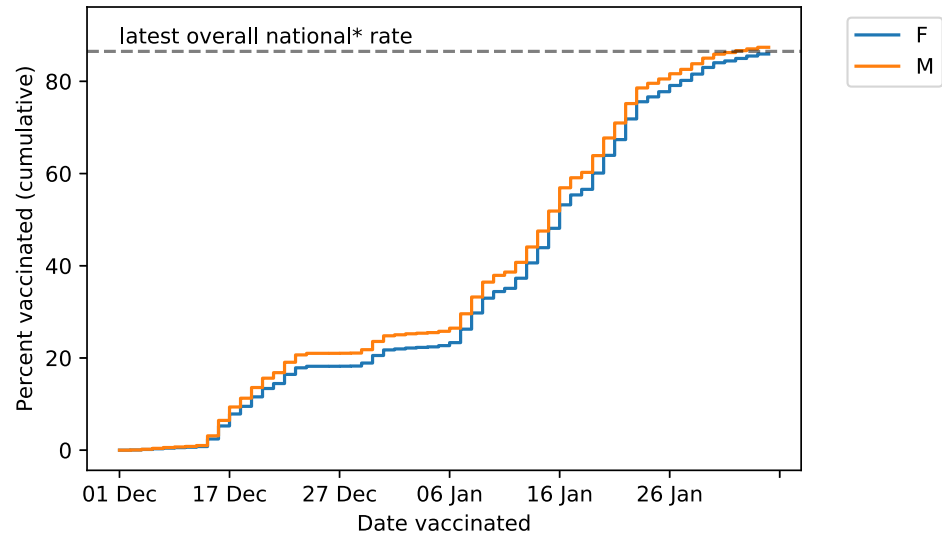
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

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

80+ population

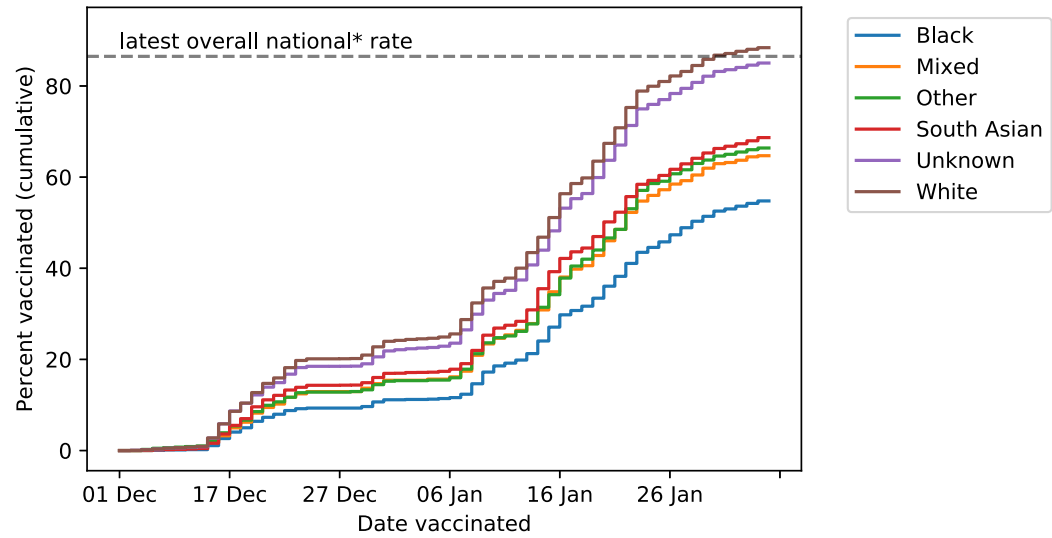
COVID vaccinations among 80+ population

by Sex



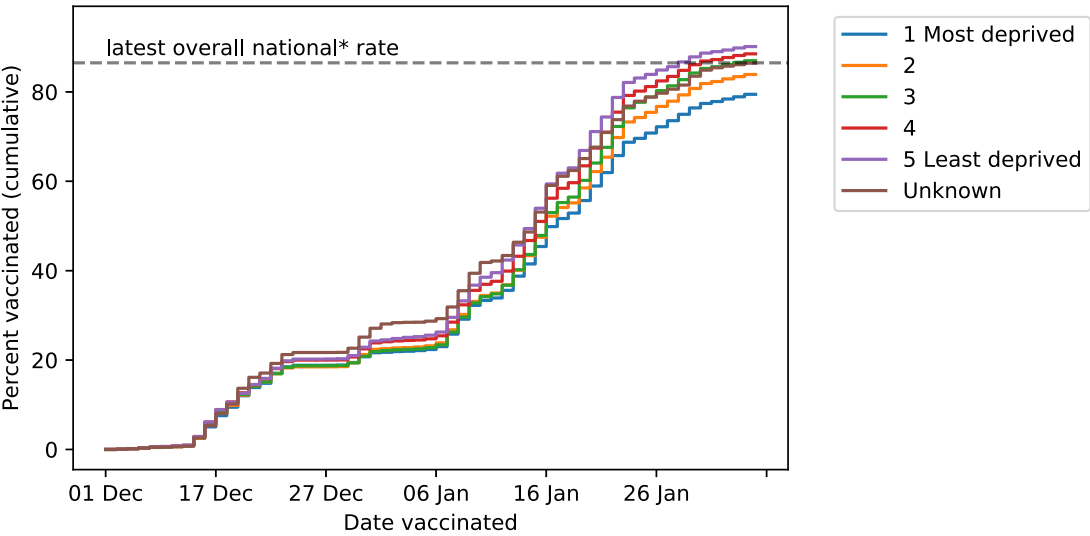
COVID vaccinations among 80+ population

by Ethnicity (broad categories)



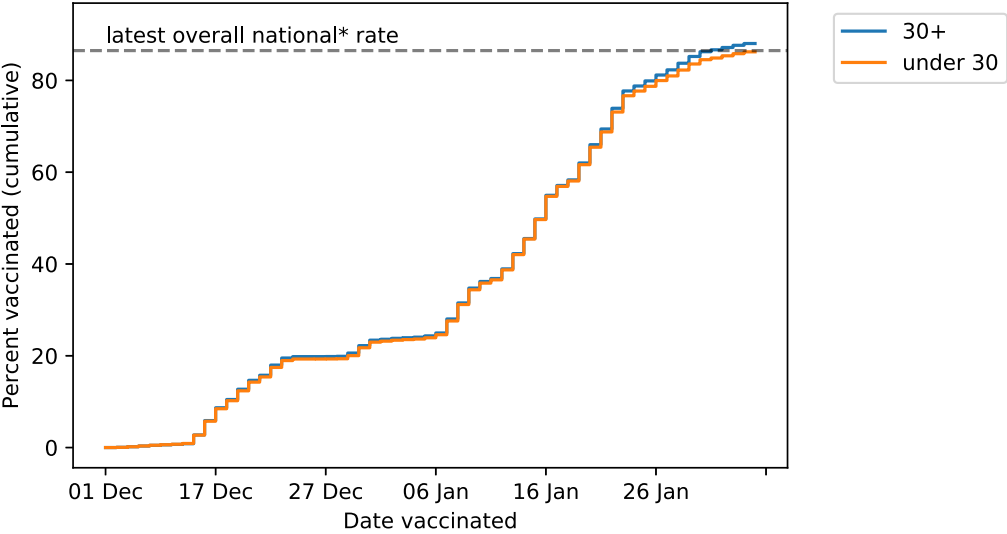
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)



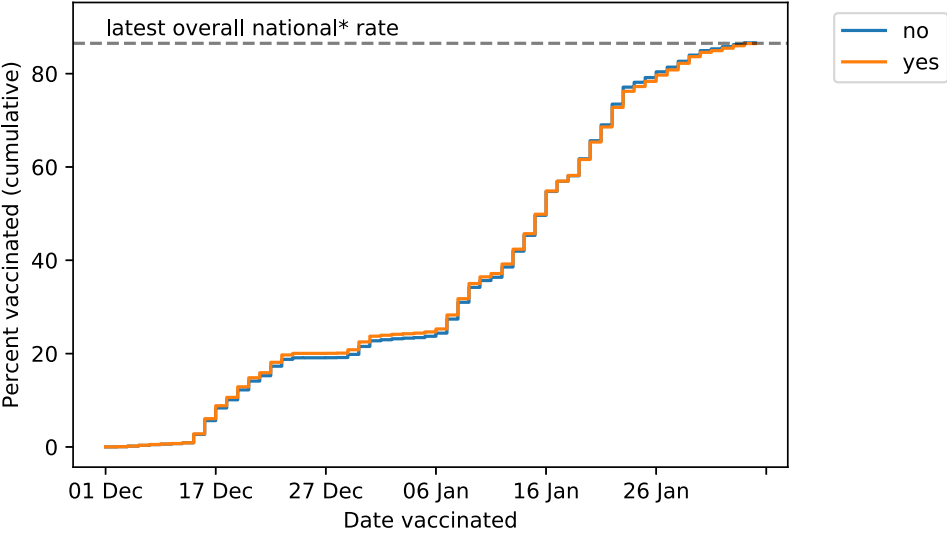
COVID vaccinations among 80+ population

by BMI



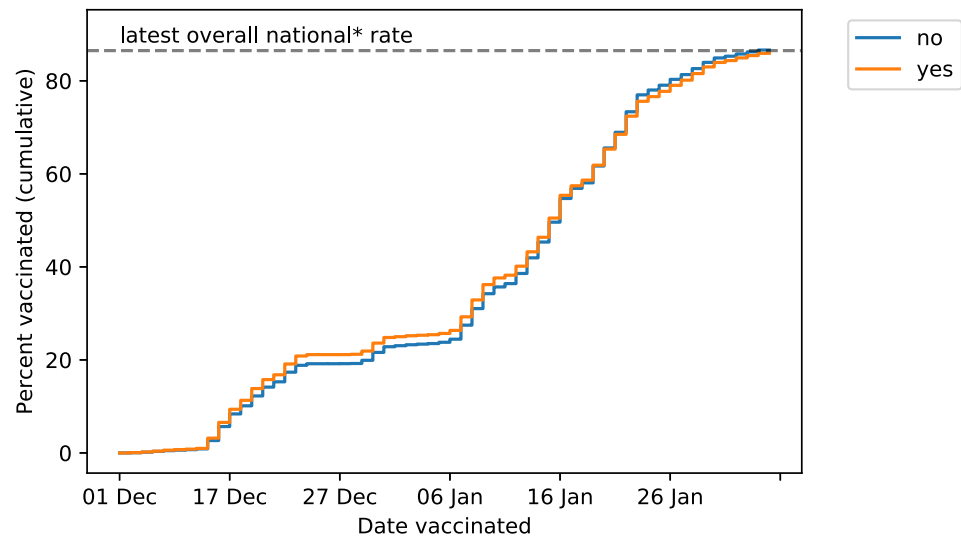
COVID vaccinations among 80+ population

by Chronic cardiac disease



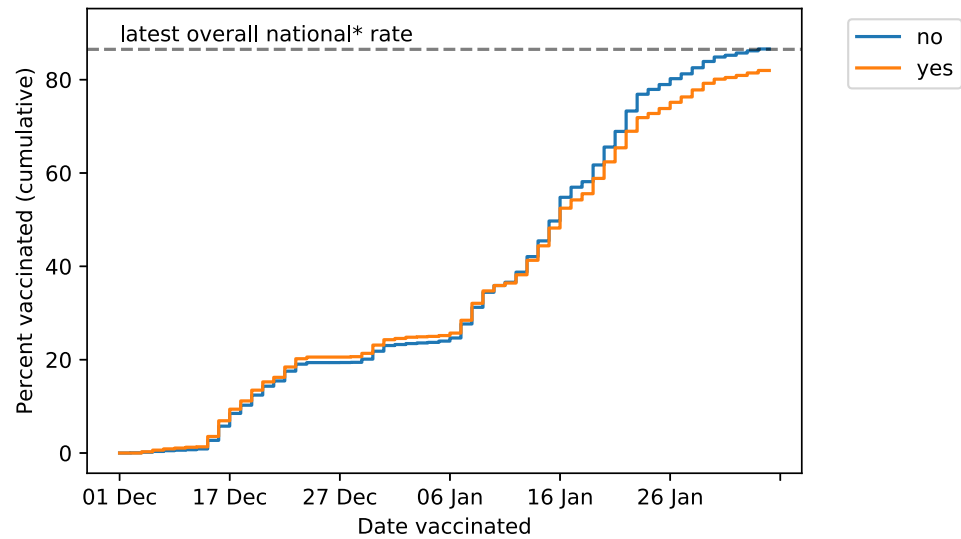
COVID vaccinations among 80+ population

by Current COPD



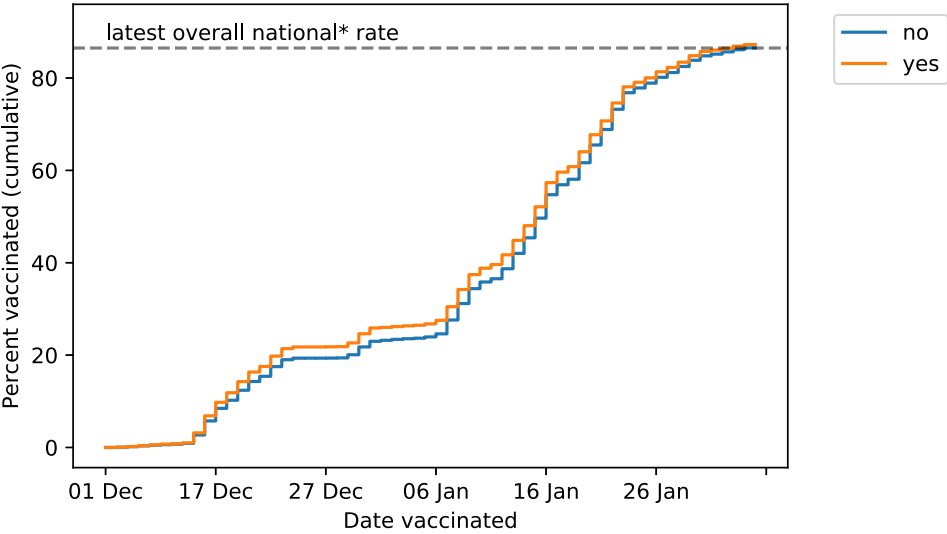
COVID vaccinations among 80+ population

by Cancer (lung)



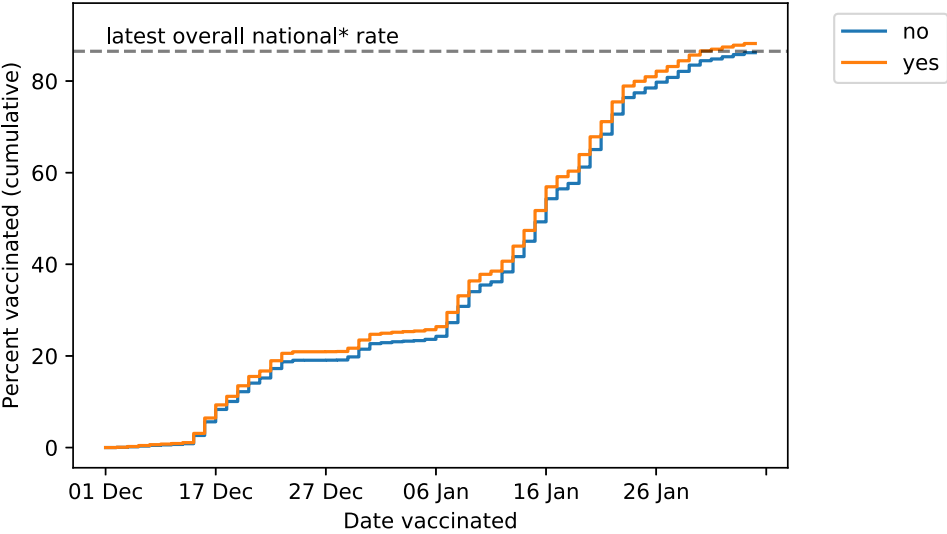
COVID vaccinations among 80+ population

by Cancer (haematological)



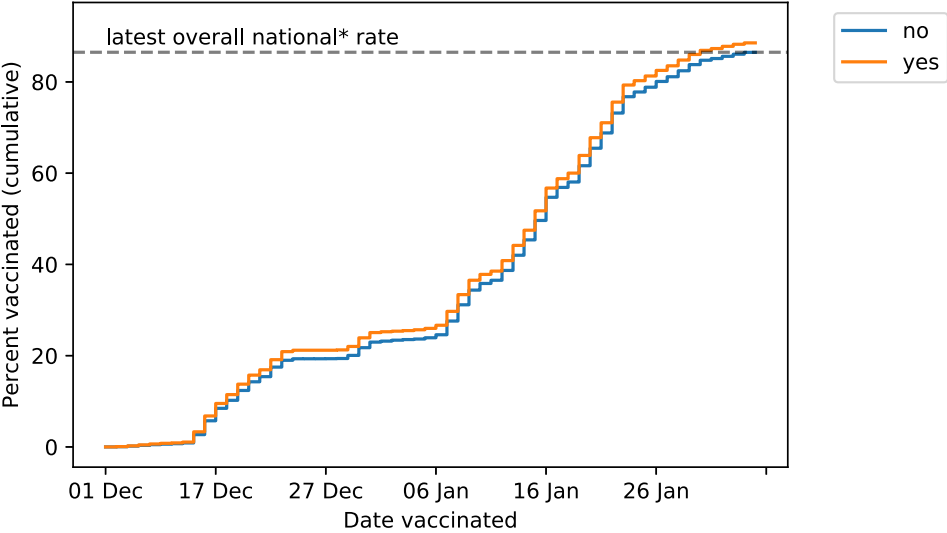
COVID vaccinations among 80+ population

by Cancer (excluding lung/haem)



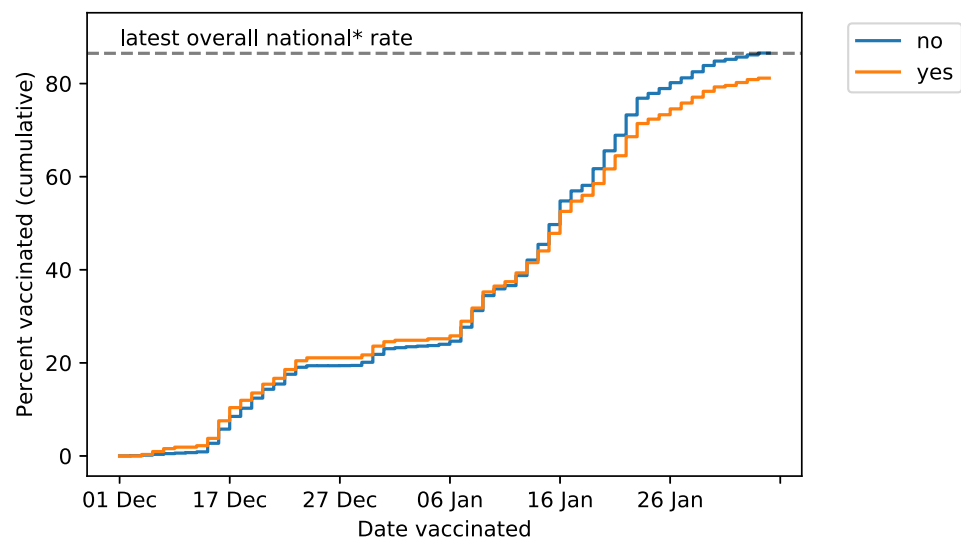
COVID vaccinations among 80+ population

by Chemo or radiotherapy



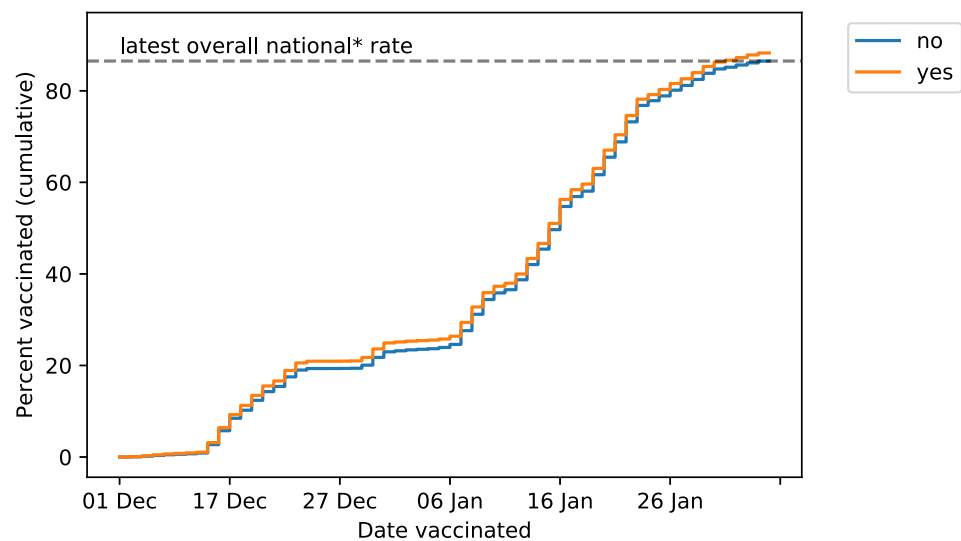
COVID vaccinations among 80+ population

by Dialysis



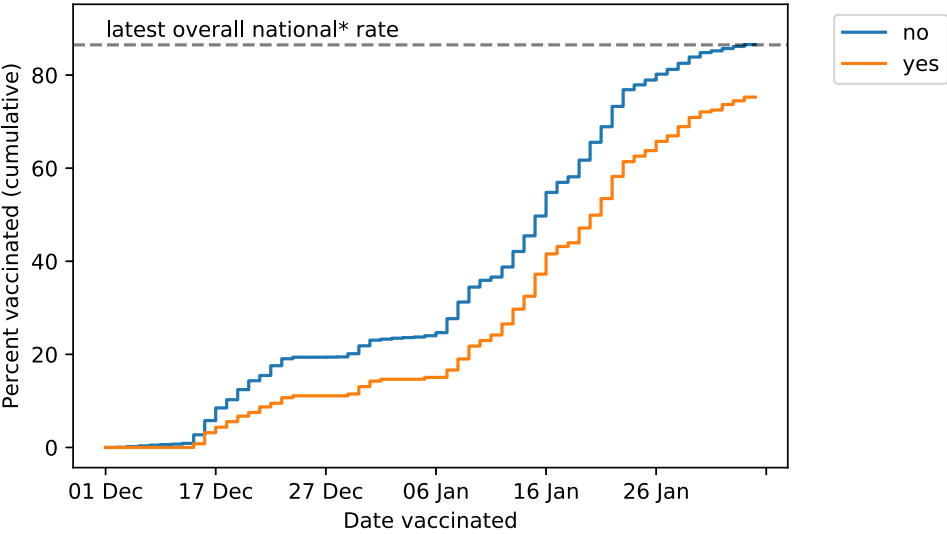
COVID vaccinations among 80+ population

by DMARDs



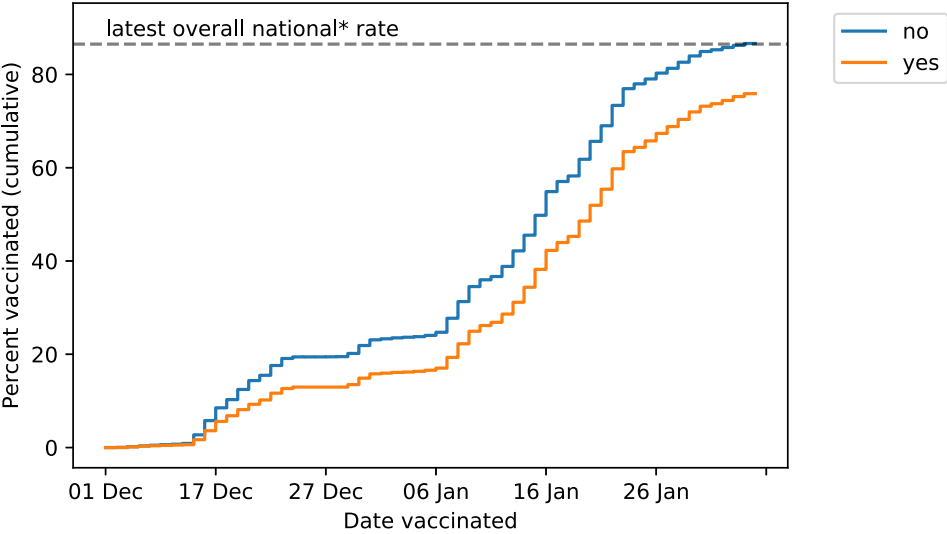
COVID vaccinations among 80+ population

by Intellectual disability inc Down syndrome



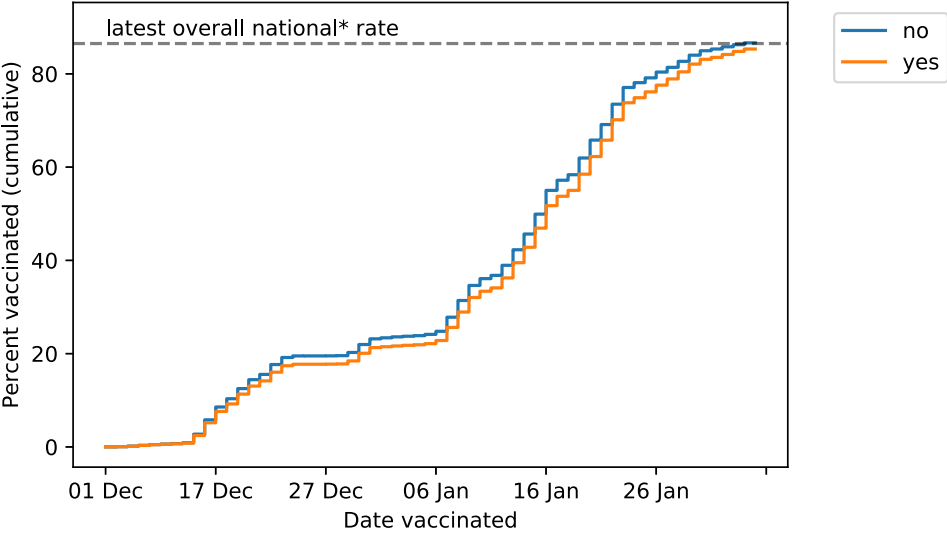
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 80+ population

by SSRI (last 12 months)



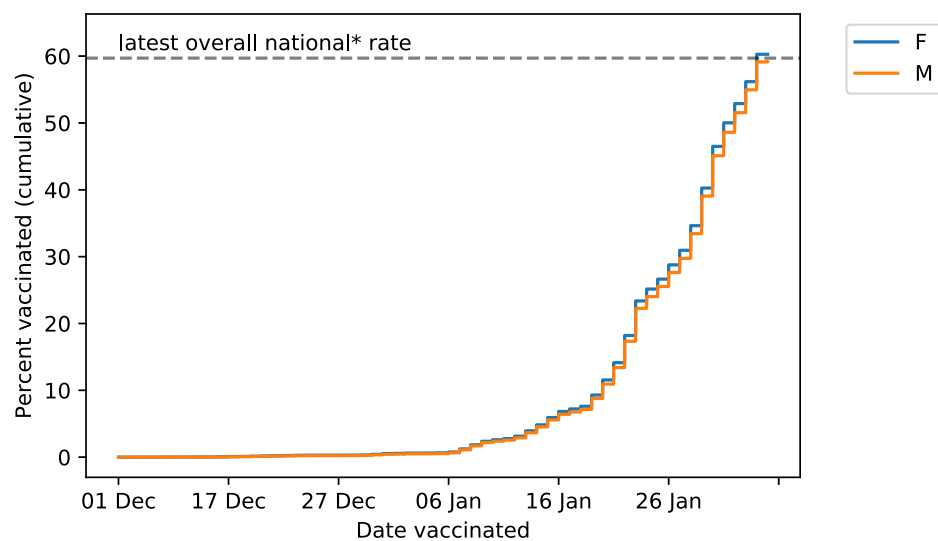
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

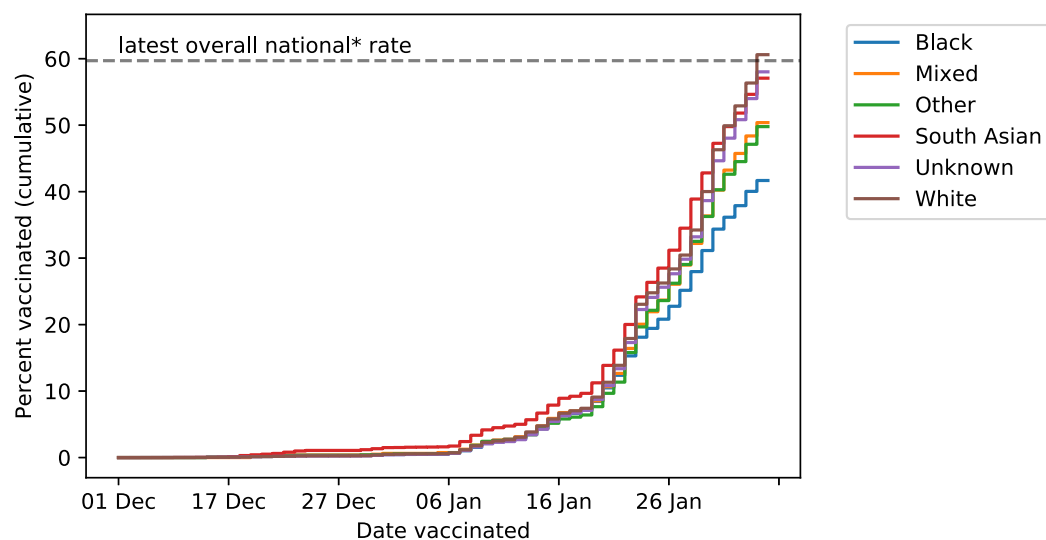
COVID vaccinations among 70-79 population

by Sex



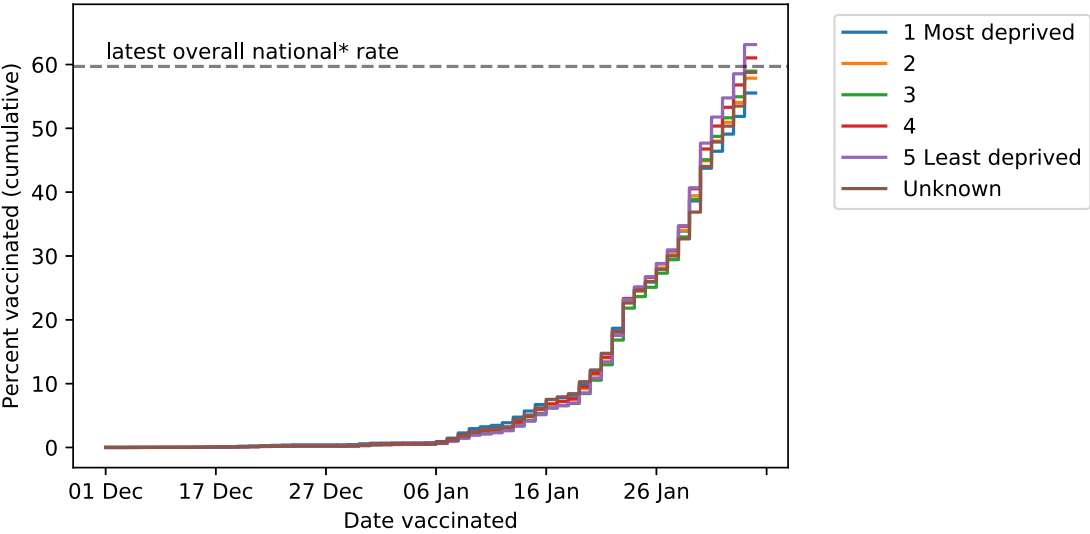
COVID vaccinations among 70-79 population

by Ethnicity (broad categories)



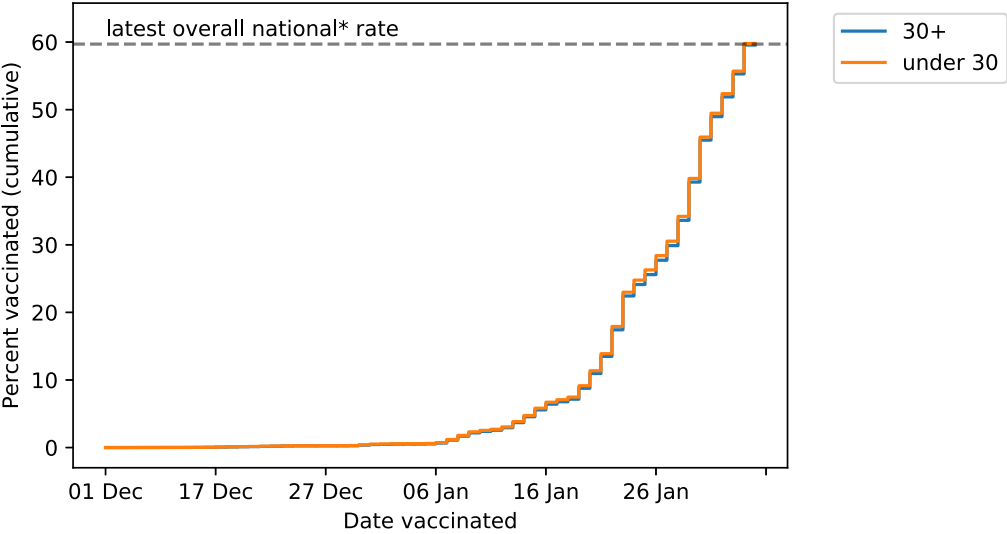
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)



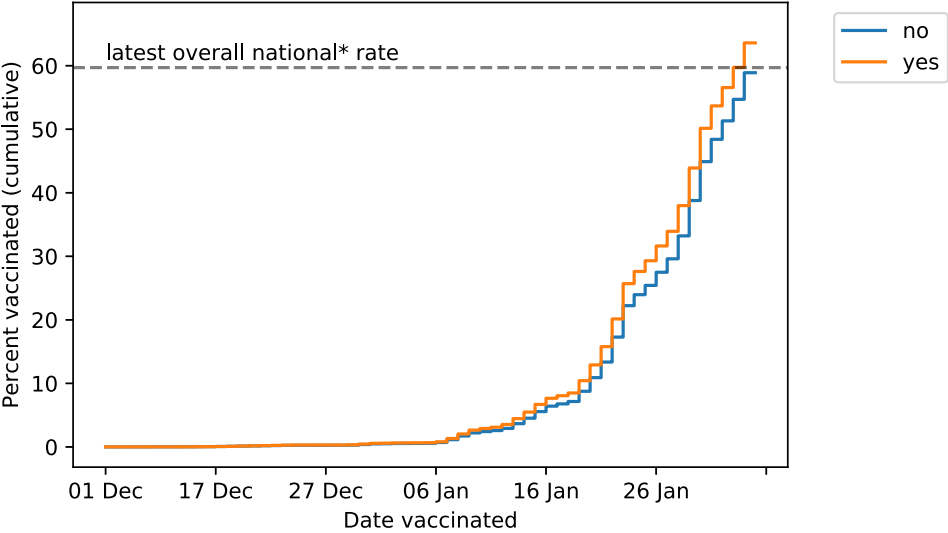
COVID vaccinations among 70-79 population

by BMI



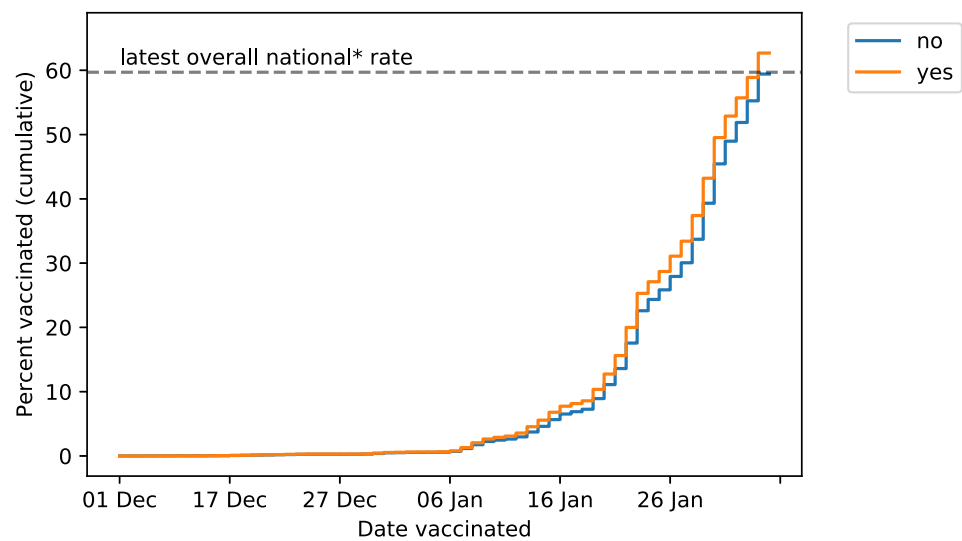
COVID vaccinations among 70-79 population

by Chronic cardiac disease



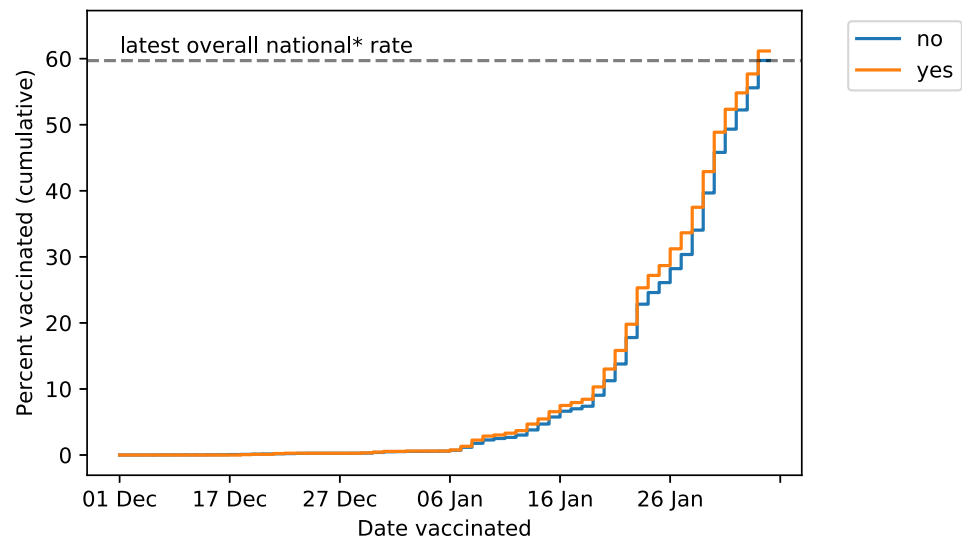
COVID vaccinations among 70-79 population

by Current COPD



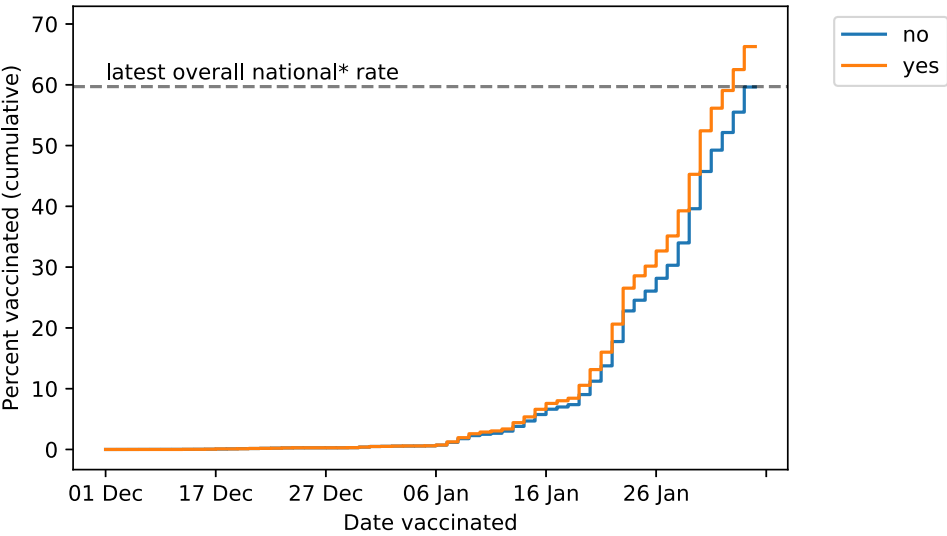
COVID vaccinations among 70-79 population

by Cancer (lung)



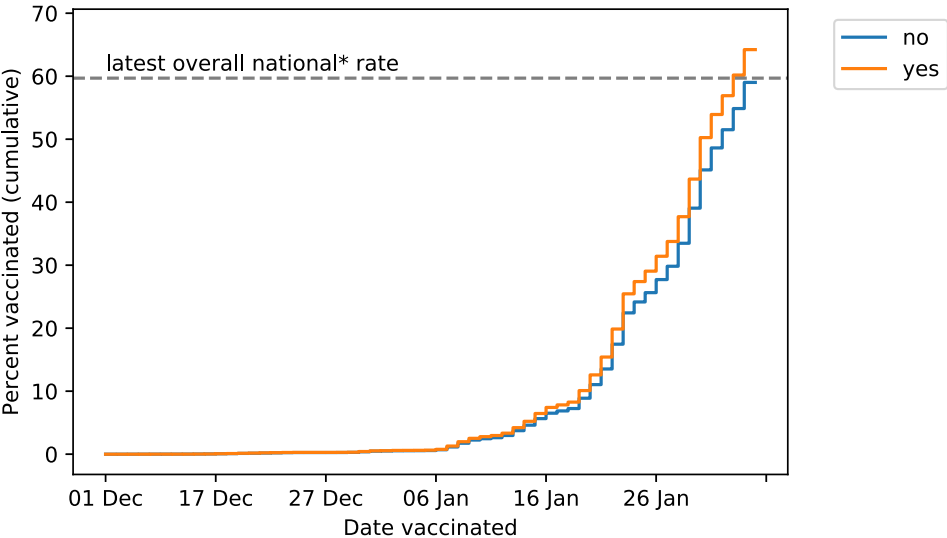
COVID vaccinations among 70-79 population

by Cancer (haematological)



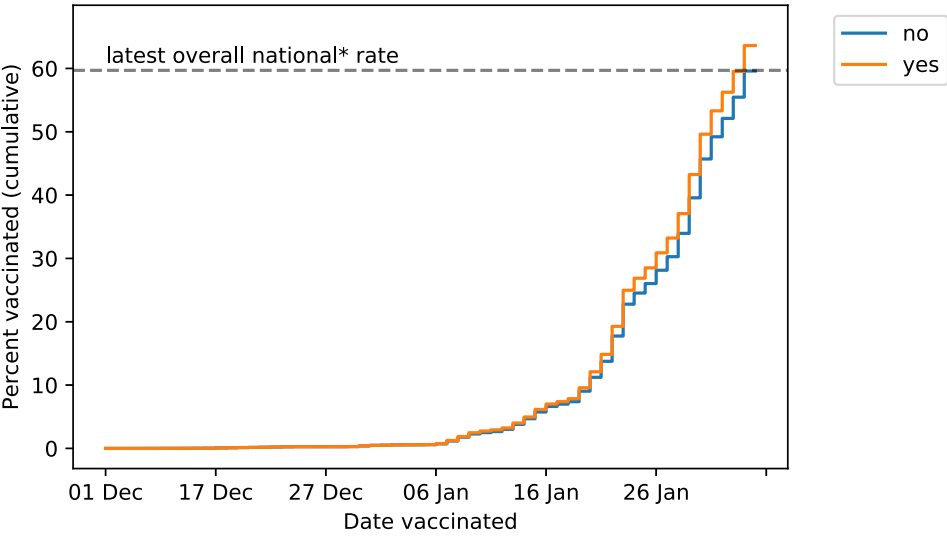
COVID vaccinations among 70-79 population

by Cancer (excluding lung/haem)



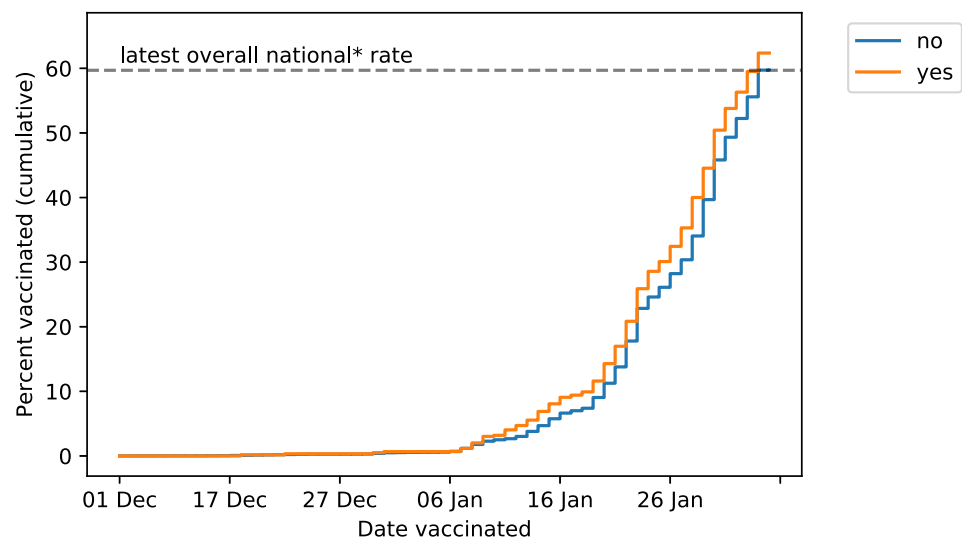
COVID vaccinations among 70-79 population

by Chemo or radiotherapy



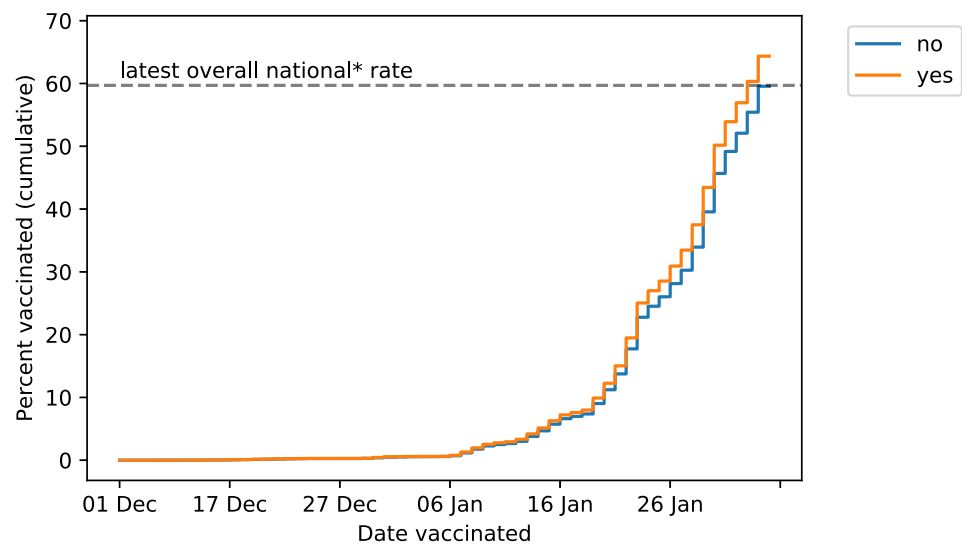
COVID vaccinations among 70-79 population

by Dialysis



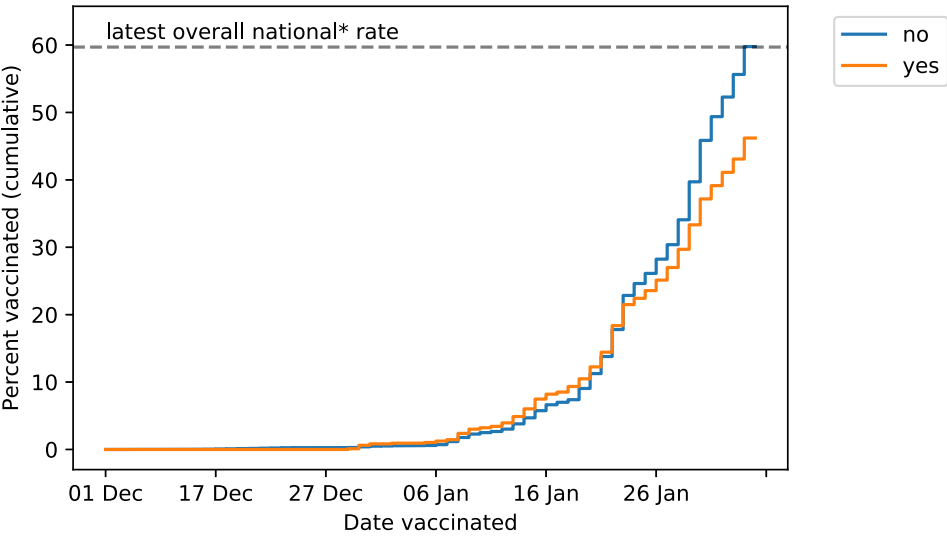
COVID vaccinations among 70-79 population

by DMARDs



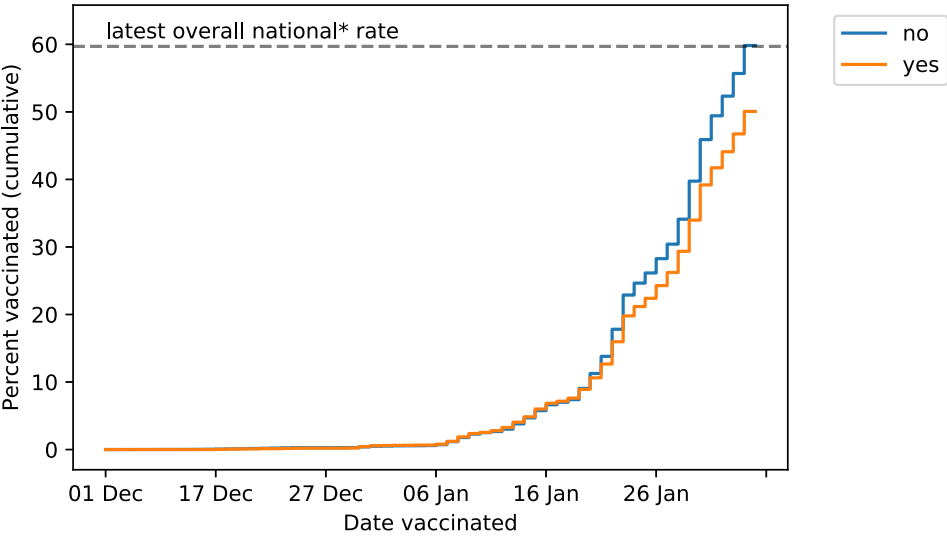
COVID vaccinations among 70-79 population

by Intellectual disability inc Down syndrome



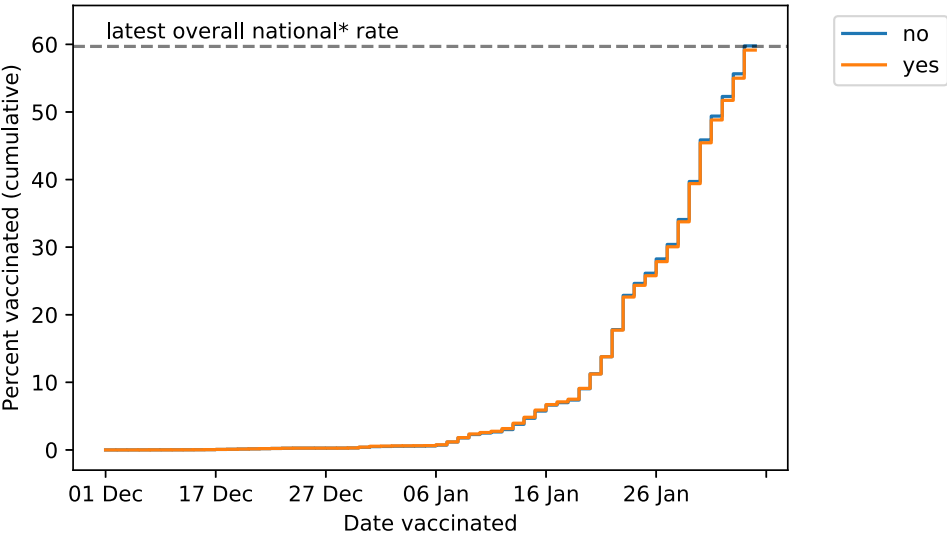
COVID vaccinations among 70-79 population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 70-79 population

by SSRI (last 12 months)



Vaccination rates of each eligible population group, according to demographic/clinical features

Cumulative vaccination figures among 80+ population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 04 Feb (n)	Vaccinated at 04 Feb (%)	Total eligible	vaccinated at 2021-01-28 (percent)	Vaccinated over last 7d (%)
overall	overall	1005964.0	86.5	1162346.0	82.5	4.0
Sex	F	576240.0	85.9	670591.0	81.6	4.3
	M	429716.0	87.4	491746.0	83.8	3.6
Ethnicity (broad categories)	Black	5677.0	54.8	10364.0	50.3	4.5
	Mixed	1820.0	64.7	2813.0	60.5	4.2
	Other	3696.0	66.4	5567.0	63.0	3.4
	South Asian	18529.0	68.7	26981.0	64.1	4.6
	Unknown	275877.0	85.0	324425.0	80.8	4.2
	White	700357.0	88.4	792187.0	84.5	3.9
	White	700357.0	88.4	792187.0	84.5	3.9
ethnicity 16 groups	African	938.0	45.1	2078.0	42.1	3.0
	Bangladeshi or British Bangladeshi	686.0	54.6	1256.0	50.2	4.4
	Caribbean	4081.0	57.8	7066.0	52.9	4.9
	Chinese	1029.0	66.0	1558.0	62.0	4.0
	Other	2667.0	66.5	4009.0	63.4	3.1
	Other Asian	2856.0	68.0	4200.0	63.7	4.3
	British or Mixed British	661164.0	88.8	744289.0	84.9	3.9
	Indian or British Indian	10913.0	77.1	14160.0	73.4	3.7
	Irish	6930.0	84.9	8167.0	81.8	3.1
	Other Black	651.0	53.4	1220.0	49.3	4.1
	Other White	32270.0	81.2	39731.0	77.3	3.9
	Other mixed	581.0	69.0	842.0	66.5	2.5
	Pakistani or British Pakistani	4067.0	55.2	7365.0	49.0	6.2
	Unknown	275877.0	85.0	324425.0	80.8	4.2
	White + Asian	350.0	74.3	471.0	71.3	3.0
	White + Black African	189.0	51.5	367.0	49.6	1.9
	White + Black Caribbean	693.0	61.2	1133.0	55.6	5.6
	1 Most deprived	120631.0	79.5	151818.0	75.0	4.5
	2	164129.0	83.9	195645.0	79.3	4.6
	3	225526.0	87.0	259281.0	82.7	4.3
	4	236306.0	88.5	266980.0	84.8	3.7
Index of Multiple Deprivation (quintiles)	5 Least deprived	241073.0	90.1	267448.0	86.7	3.4
	Unknown	18291.0	86.4	21165.0	81.5	4.9
	Unknown	18291.0	86.4	21165.0	81.5	4.9
BMI	30+	179550.0	88.0	203932.0	83.7	4.3
	under 30	826406.0	86.2	958405.0	82.3	3.9
Chronic cardiac disease	no	706825.0	86.6	816268.0	82.7	3.9
	yes	299131.0	86.4	346069.0	82.2	4.2
Current COPD	no	900634.0	86.6	1039746.0	82.6	4.0
	yes	105322.0	85.9	122591.0	81.6	4.3
Dialysis	no	1004157.0	86.6	1160112.0	82.5	4.1
	yes	1806.0	81.2	2225.0	77.1	4.1
DMARDs	no	974379.0	86.5	1126552.0	82.5	4.0

Category	Group	Vaccinated at 04 Feb (n)	Vaccinated at 04 Feb (%)	Total eligible	vaccinated at 2021-01-28 (percent)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	31584.0	88.3	35785.0	84.0	4.3
	no	999033.0	86.6	1153213.0	82.6	4.0
Intellectual disability incl Down syndrome	yes	6923.0	75.9	9124.0	70.4	5.5
	no	1004626.0	86.6	1160570.0	82.5	4.1
SSRI (last 12 months)	yes	1330.0	75.3	1767.0	68.9	6.4
	no	934514.0	86.6	1078607.0	82.7	3.9
Chemo or radiotherapy	yes	71442.0	85.3	83730.0	80.4	4.9
	no	971530.0	86.5	1123462.0	82.4	4.1
Cancer (lung)	yes	34426.0	88.6	38875.0	84.8	3.8
	no	999481.0	86.6	1154438.0	82.6	4.0
Cancer (excluding lung/haem)	yes	6475.0	82.0	7899.0	77.8	4.2
	no	824145.0	86.2	956191.0	82.1	4.1
Cancer (haematological)	yes	181811.0	88.2	206146.0	84.4	3.8
	no	987406.0	86.5	1141076.0	82.5	4.0
	yes	18550.0	87.2	21261.0	83.4	3.8

Footnotes:

- Patient counts rounded to the nearest 7
- Population excludes those known to live in an elderly care home, based upon their address.
- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, Intellectual disability incl Down syndrome, or Dementia.

Cumulative vaccination figures among 70-79 population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 04 Feb (n)	Vaccinated at 04 Feb (%)	Total eligible	vaccinated at 2021-01-28 (percent)	Vaccinated over last 7d (%)
overall	overall	1245198.0	59.7	2084722.0	34.1	25.6
Sex	F	657230.0	60.3	1090443.0	34.6	25.7
	M	587965.0	59.1	994272.0	33.4	25.7
Ethnicity (broad categories)	Black	5705.0	41.7	13689.0	28.0	13.7
	Mixed	2814.0	50.4	5585.0	32.2	18.2
	Other	6419.0	49.8	12894.0	32.5	17.3
	South Asian	29071.0	57.1	50940.0	38.9	18.2
	Unknown	266763.0	58.0	459764.0	33.2	24.8
	White	934430.0	60.6	1541843.0	34.2	26.4
	ethnicity 16 groups	1883.0	36.7	5133.0	24.5	12.2
	Bangladeshi or British Bangladeshi	819.0	49.3	1661.0	31.6	17.7
ethnicity 16 groups	Caribbean	2891.0	45.7	6329.0	31.5	14.2
	Chinese	1652.0	45.3	3646.0	27.8	17.5
	Other	4767.0	51.5	9248.0	34.4	17.1
	Other Asian	5705.0	54.7	10422.0	36.1	18.6
	British or Mixed British	881713.0	60.8	1451089.0	34.1	26.7
	Indian or British Indian	17598.0	62.8	28041.0	43.2	19.6
	Irish	8876.0	66.1	13430.0	44.9	21.2
	Other Black	924.0	41.5	2227.0	25.8	15.7
	Other White	43841.0	56.7	77324.0	35.2	21.5
	Other mixed	1015.0	50.7	2003.0	32.2	18.5
	Pakistani or British Pakistani	4949.0	45.8	10816.0	31.6	14.2
	Unknown	266763.0	58.0	459764.0	33.2	24.8
	White + Asian	679.0	56.9	1194.0	34.6	22.3
	White + Black African	455.0	44.7	1018.0	30.3	14.4
	White + Black Caribbean	665.0	48.5	1370.0	31.7	16.8
Index of Multiple Deprivation (quintiles)	1 Most deprived	154161.0	55.5	277607.0	33.9	21.6
	2	205562.0	57.9	355293.0	34.0	23.9
	3	273539.0	59.0	463943.0	33.0	26.0
	4	292306.0	61.0	478912.0	34.6	26.4
	5 Least deprived	297262.0	63.1	470918.0	34.7	28.4
	Unknown	22358.0	58.8	38042.0	32.7	26.1
BMI	30+	309953.0	59.6	520409.0	33.6	26.0
	under 30	935242.0	59.8	1564306.0	34.2	25.6
Chronic cardiac disease	no	1009799.0	58.9	1714541.0	33.2	25.7
	yes	235396.0	63.6	370174.0	38.0	25.6
Current COPD	no	1120784.0	59.4	1886247.0	33.7	25.7
	yes	124411.0	62.7	198468.0	37.4	25.3
Dialysis	no	1242598.0	59.7	2080551.0	34.1	25.6
	yes	2597.0	62.4	4164.0	40.0	22.4
DMARDs	no	1198750.0	59.6	2012541.0	33.9	25.7

Category	Group	Vaccinated at 04 Feb (n)	Vaccinated at 04 Feb (%)	Total eligible	vaccinated at 2021-01-28 (percent)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	46445.0	64.4	72174.0	37.5	26.9
	no	1234569.0	59.8	2063492.0	34.1	25.7
Intellectual disability incl Down syndrome	yes	10626.0	50.1	21223.0	29.4	20.7
	no	1242080.0	59.8	2077973.0	34.1	25.7
SSRI (last 12 months)	yes	3115.0	46.2	6742.0	29.7	16.5
	no	1148273.0	59.8	1920888.0	34.1	25.7
Chemo or radiotherapy	yes	96915.0	59.2	163827.0	33.8	25.4
	no	1201116.0	59.6	2015429.0	34.0	25.6
Cancer (lung)	yes	44079.0	63.6	69286.0	37.1	26.5
	no	1237432.0	59.7	2072022.0	34.0	25.7
Cancer (excluding lung/haem)	yes	7763.0	61.2	12693.0	37.5	23.7
	no	1062621.0	59.0	1800454.0	33.5	25.5
Cancer (haematological)	yes	182574.0	64.2	284261.0	37.7	26.5
	no	1225105.0	59.6	2054407.0	34.0	25.6
	yes	20090.0	66.3	30308.0	39.3	27.0

Footnotes:

- Patient counts rounded to the nearest 7
- Population excludes those known to live in an elderly care home, based upon their address.
- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, Intellectual disability incl Down syndrome, or Dementia.

Cumulative vaccination figures among under 70s, not in other eligible groups shown population

Please refer to footnotes below table for information.

		Vaccinated at 04 Feb (n)	vaccinated at 2021-01-28	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Category	Group				
overall	overall	1291847.0	1058686.0	233161.0	22.0
Sex	F	922047.0	776293.0	145754.0	18.8
	M	369782.0	282387.0	87395.0	30.9
Age band	16-29	180054.0	154567.0	25487.0	16.5
	30-39	227360.0	196518.0	30842.0	15.7
	40-49	271761.0	232540.0	39221.0	16.9
	50-59	353353.0	295589.0	57764.0	19.5
	60-69	259301.0	179466.0	79835.0	44.5
Ethnicity (broad categories)	Black	28357.0	23191.0	5166.0	22.3
	Mixed	14014.0	11816.0	2198.0	18.6
	Other	19775.0	16947.0	2828.0	16.7
	South Asian	88956.0	73983.0	14973.0	20.2
	Unknown	277711.0	229873.0	47838.0	20.8
	White	863023.0	702863.0	160160.0	22.8
ethnicity 16 groups	African	18690.0	15491.0	3199.0	20.7
	Bangladeshi or British Bangladeshi	3472.0	2751.0	721.0	26.2
	Caribbean	4683.0	3640.0	1043.0	28.7
	Chinese	4067.0	3528.0	539.0	15.3
	Other	15708.0	13426.0	2282.0	17.0
	Other Asian	23793.0	20608.0	3185.0	15.5
	British or Mixed British	792666.0	644882.0	147784.0	22.9
	Indian or British Indian	45500.0	37779.0	7721.0	20.4
	Irish	6552.0	5355.0	1197.0	22.4
	Other Black	4977.0	4067.0	910.0	22.4
	Other White	63805.0	52626.0	11179.0	21.2
	Other mixed	4578.0	3864.0	714.0	18.5
	Pakistani or British Pakistani	16184.0	12845.0	3339.0	26.0
	Unknown	277711.0	229873.0	47838.0	20.8
	White + Asian	3444.0	2982.0	462.0	15.5
	White + Black African	3311.0	2772.0	539.0	19.4
	White + Black Caribbean	2681.0	2191.0	490.0	22.4
Index of Multiple Deprivation (quintiles)	1 Most deprived	215439.0	174125.0	41314.0	23.7
	2	248206.0	201838.0	46368.0	23.0
	3	276850.0	226128.0	50722.0	22.4
	4	268485.0	221319.0	47166.0	21.3
	5 Least deprived	250166.0	207935.0	42231.0	20.3
	Unknown	32683.0	27328.0	5355.0	19.6
BMI	30+	311017.0	245896.0	65121.0	26.5
	under 30	980812.0	812777.0	168035.0	20.7
Chronic cardiac disease	no	1237124.0	1022378.0	214746.0	21.0
	yes	54705.0	36302.0	18403.0	50.7
Current COPD	no	1247421.0	1034691.0	212730.0	20.6
	yes	44408.0	23989.0	20419.0	85.1

Category	Group	Vaccinated at 04 Feb (n)	vaccinated at 2021-01-28	Vaccinated over last 7 d (n)	Increase in coverage over last 7 d (%)
Dialysis	no	1287069.0	1056006.0	231063.0	21.9
	yes	4760.0	2674.0	2086.0	78.0
DMARDs	no	1241198.0	1029168.0	212030.0	20.6
	yes	50631.0	29512.0	21119.0	71.6
SSRI (last 12 months)	no	1089739.0	892759.0	196980.0	22.1
	yes	202090.0	165914.0	36176.0	21.8

Footnotes:

- Patient counts rounded to the nearest 7
- Population excludes those known to live in an elderly care home, based upon their address.
- SSRIs group excludes individuals with Psychosis/ schizophrenia/bipolar, Intellectual disability incl Down syndrome, or Dementia.