

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 02 Feb 2021

Vaccinations included up to 27 Jan 2021 inclusive

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- Trends in vaccination coverage according to demographic/clinical features, for:
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Overview of Vaccination Figures to date

As at 27 Jan 2021:

Total population vaccinated in TPP: 2,595,576

80+ population vaccinated: 933,436 (80.4% of 1,160,487)

70-79 population vaccinated: 619,602 (29.8% of 2,081,331)

care home population vaccinated: 74,417 (76.7% of 96,969)

under 70s, not resident in care homes population vaccinated: 968,120

Vaccine types and second doses:

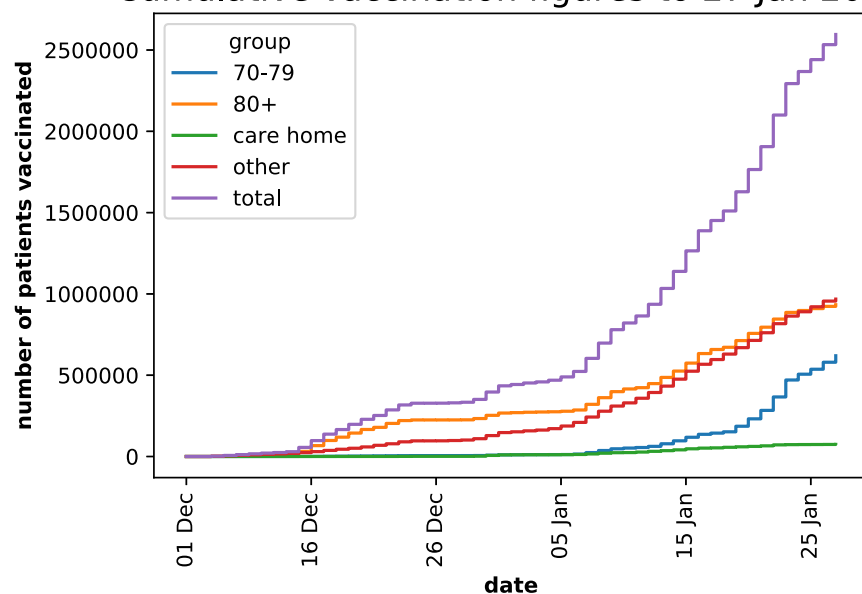
Second doses (% of all vaccinated): 177,617 (6.8%)

Oxford-AZ vaccines (% of all first doses): 767,584 (29.6%)

figures rounded to nearest 7

Summary Chart

Cumulative vaccination figures to 27 Jan 2021



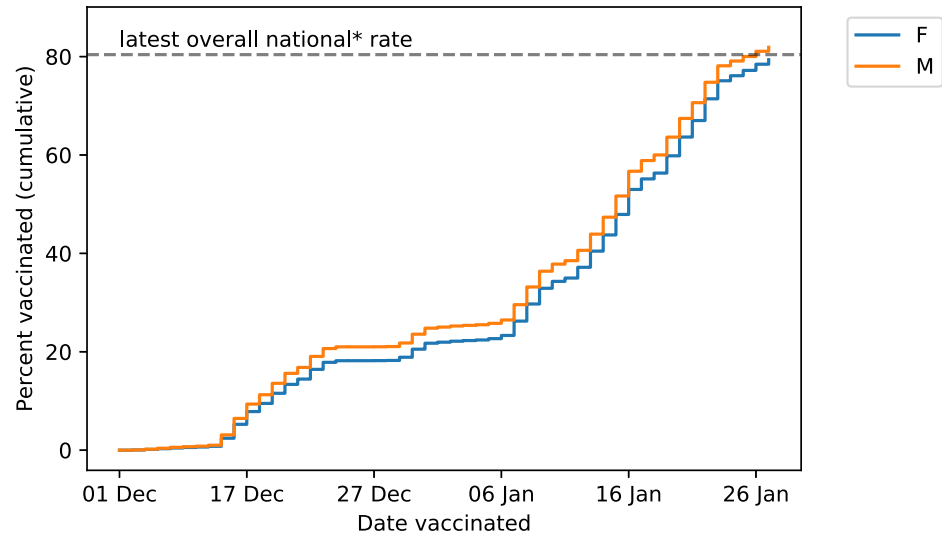
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

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

80+ population

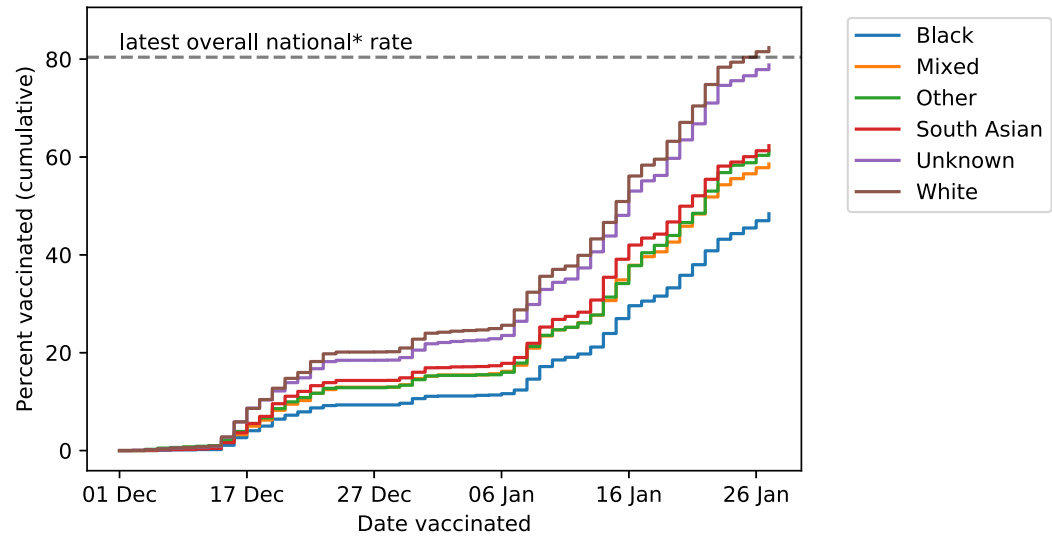
COVID vaccinations among 80+ population

by Sex



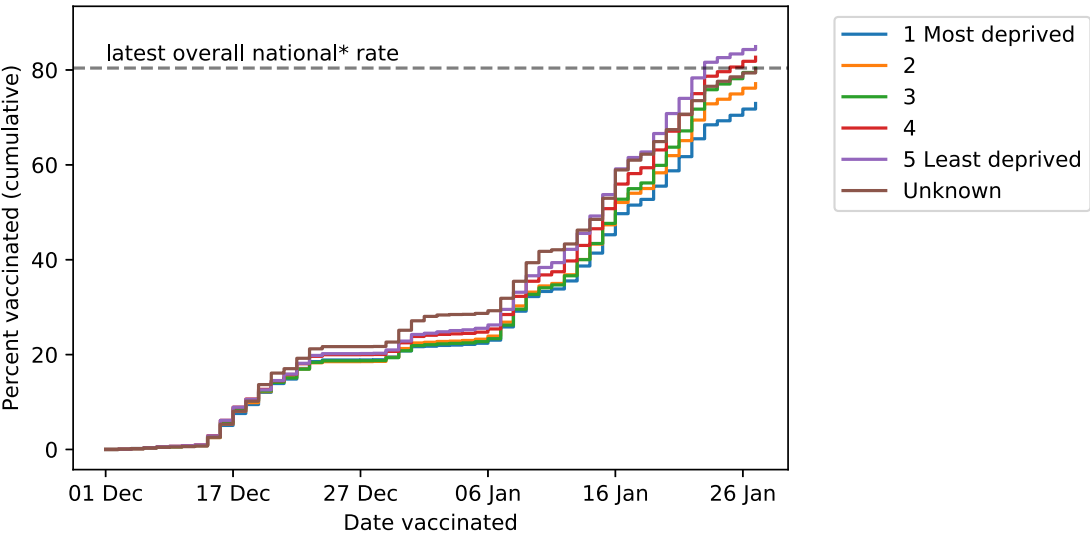
COVID vaccinations among 80+ population

by Ethnicity broad categories



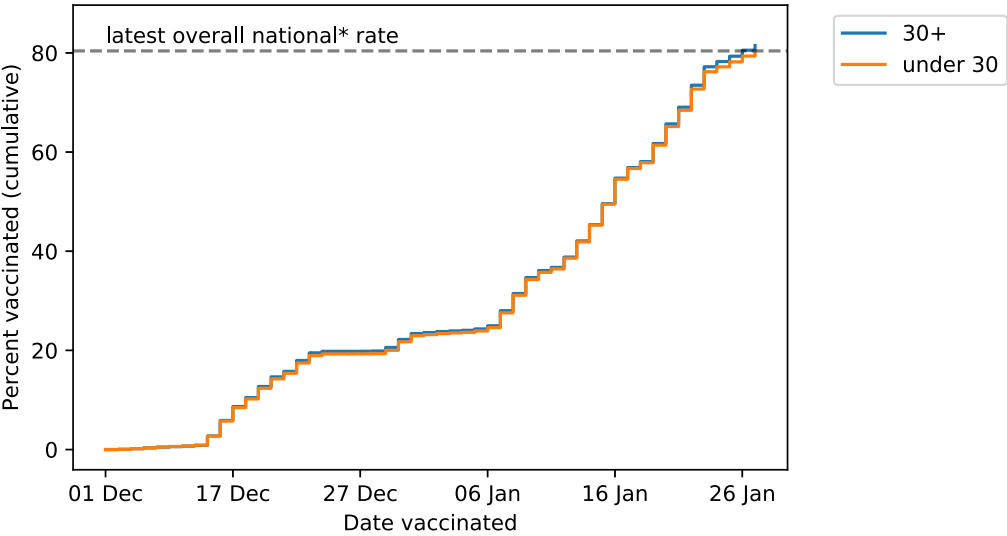
COVID vaccinations among 80+ population

by Index of Multiple Deprivation



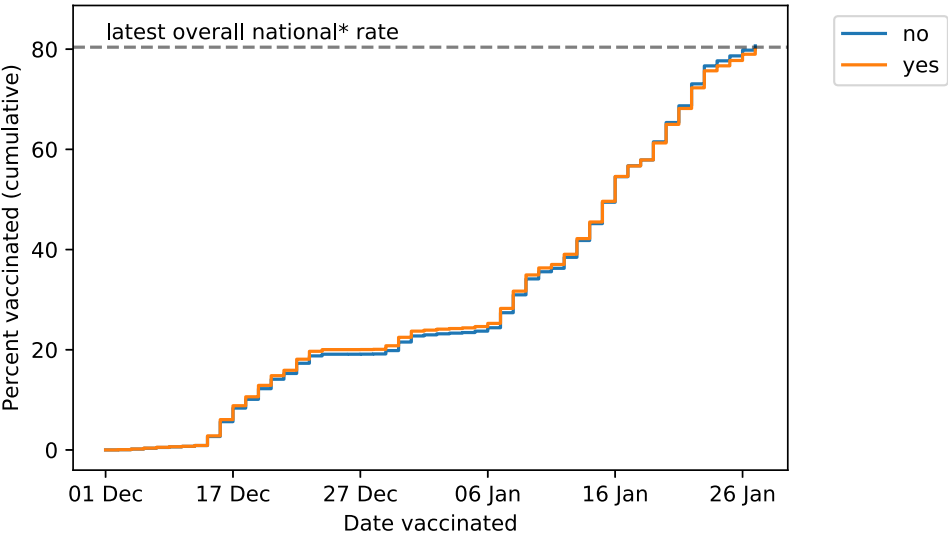
COVID vaccinations among 80+ population

by BMI



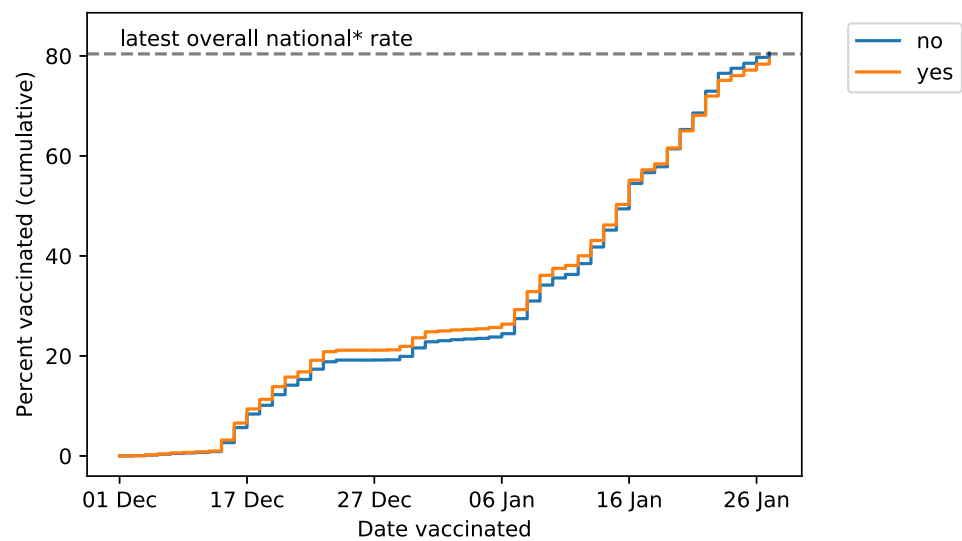
COVID vaccinations among 80+ population

by Chronic cardiac disease



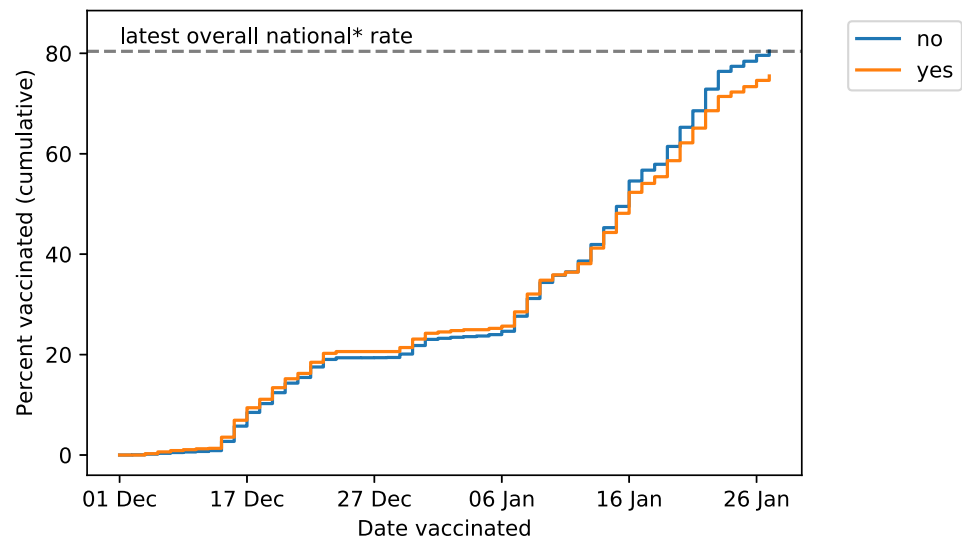
COVID vaccinations among 80+ population

by Current COPD



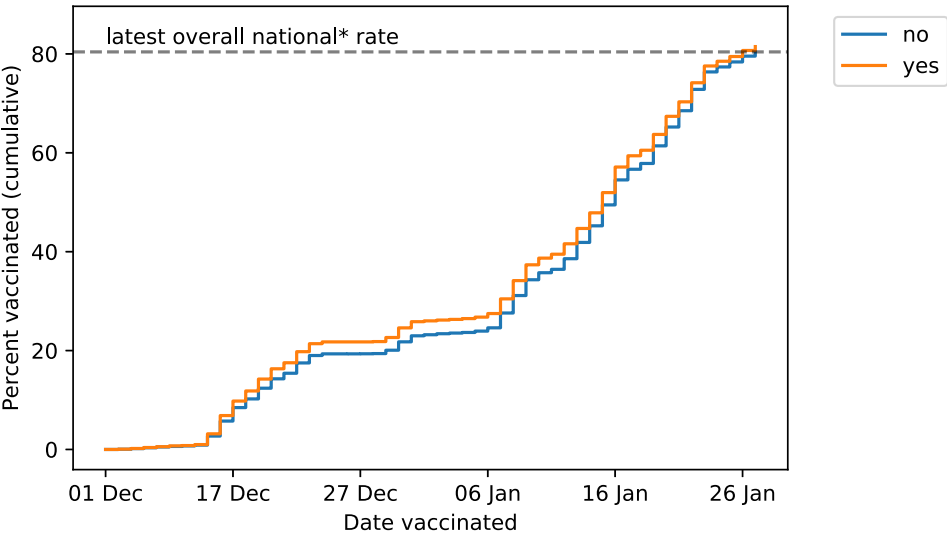
COVID vaccinations among 80+ population

by Cancer (lung)



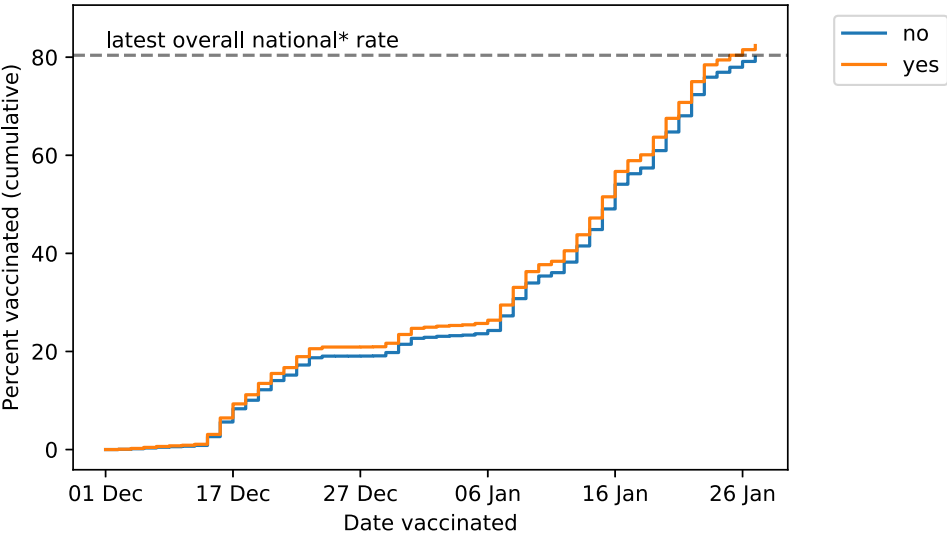
COVID vaccinations among 80+ population

by Cancer (haematological)



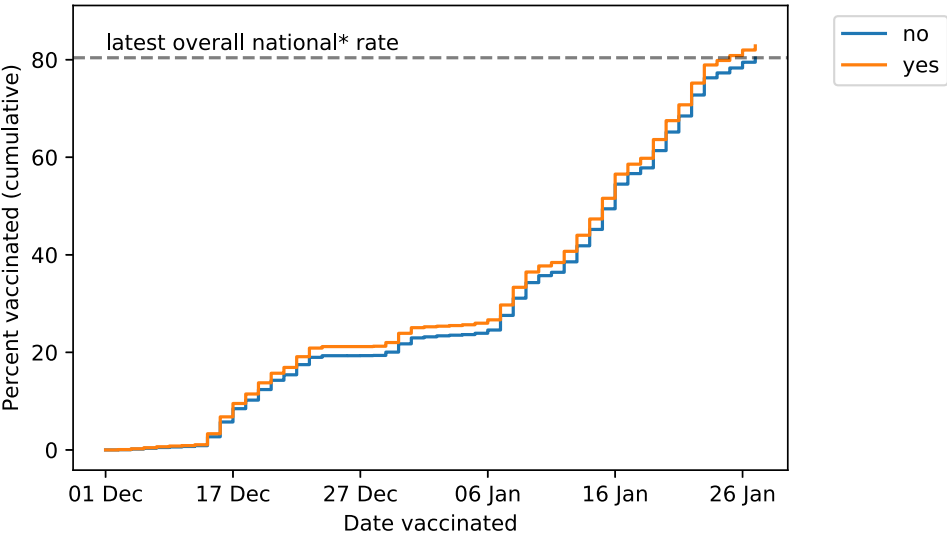
COVID vaccinations among 80+ population

by Cancer (excluding lung/haem)



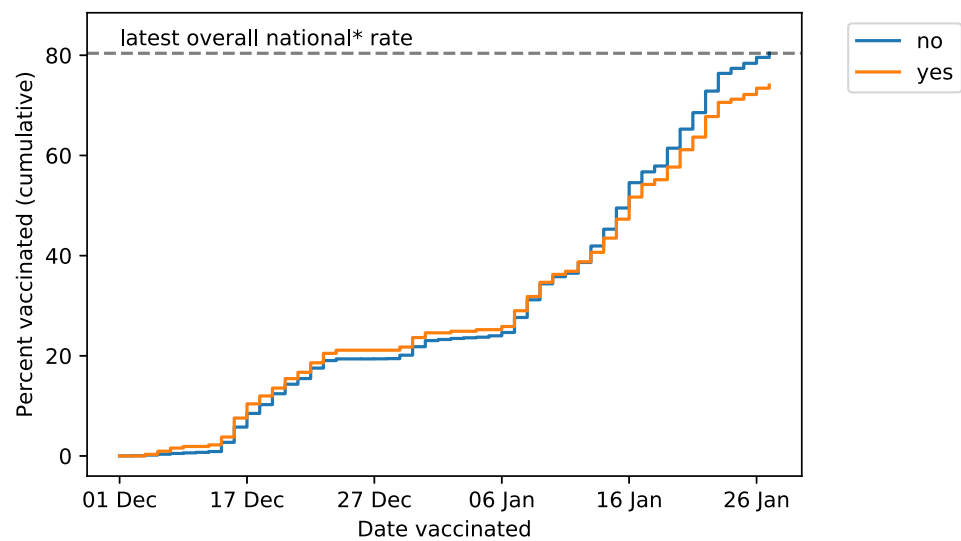
COVID vaccinations among 80+ population

by Chemo or radiotherapy



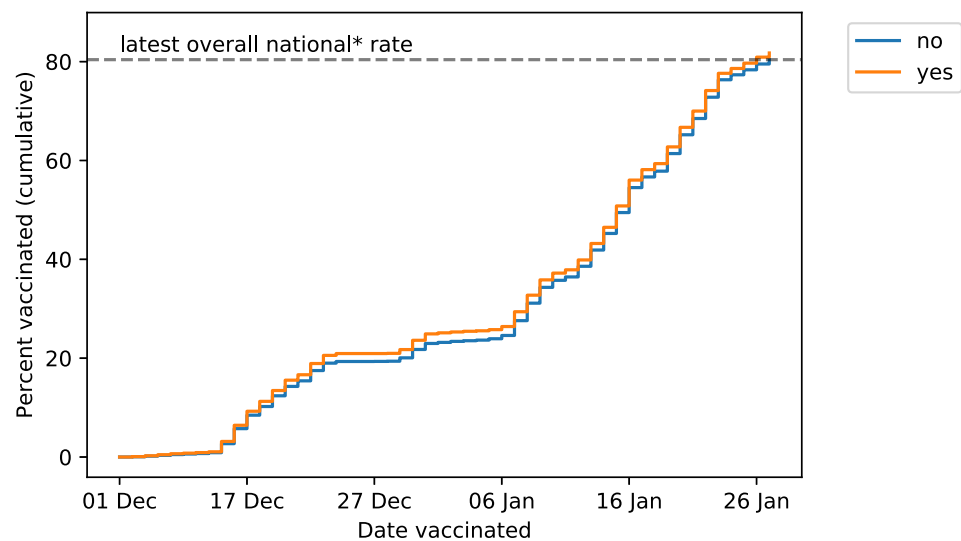
COVID vaccinations among 80+ population

by Dialysis



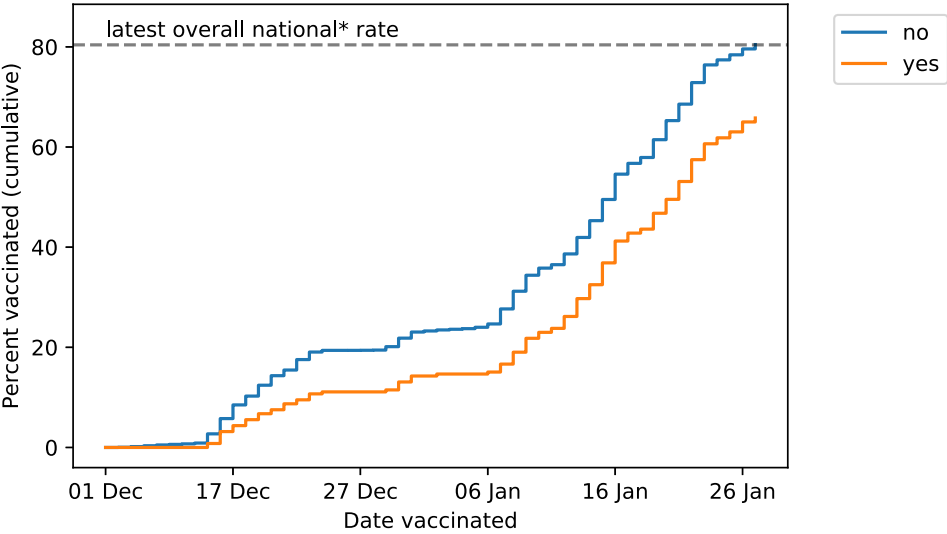
COVID vaccinations among 80+ population

by DMARDs



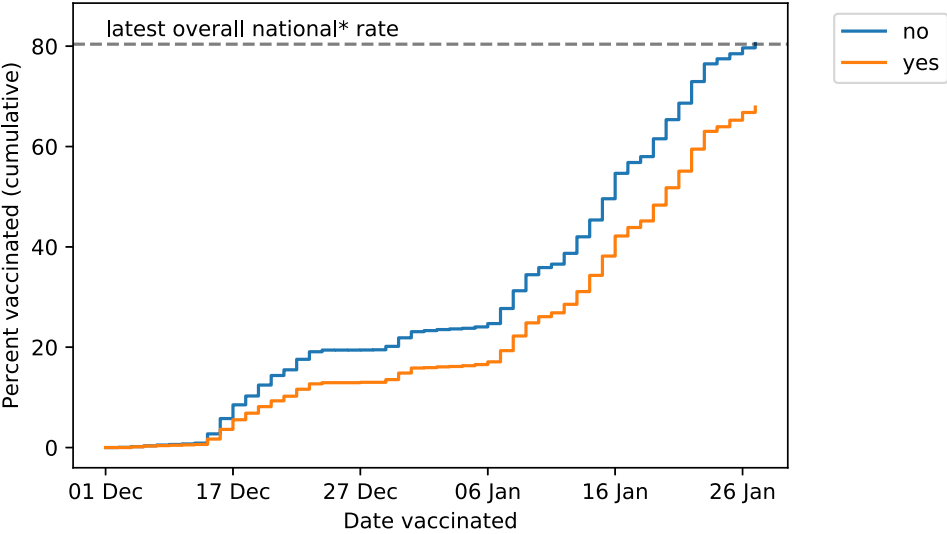
COVID vaccinations among 80+ population

by Intellectual disability inc Down syndrome



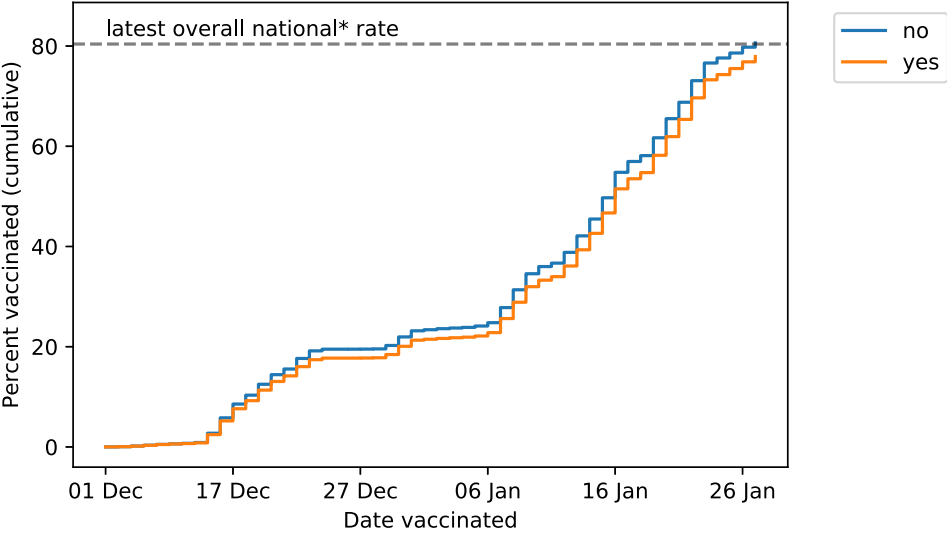
COVID vaccinations among 80+ population

by Psychosis, schizophrenia, or bipolar



COVID vaccinations among 80+ population

by SSRI (last 12 months)



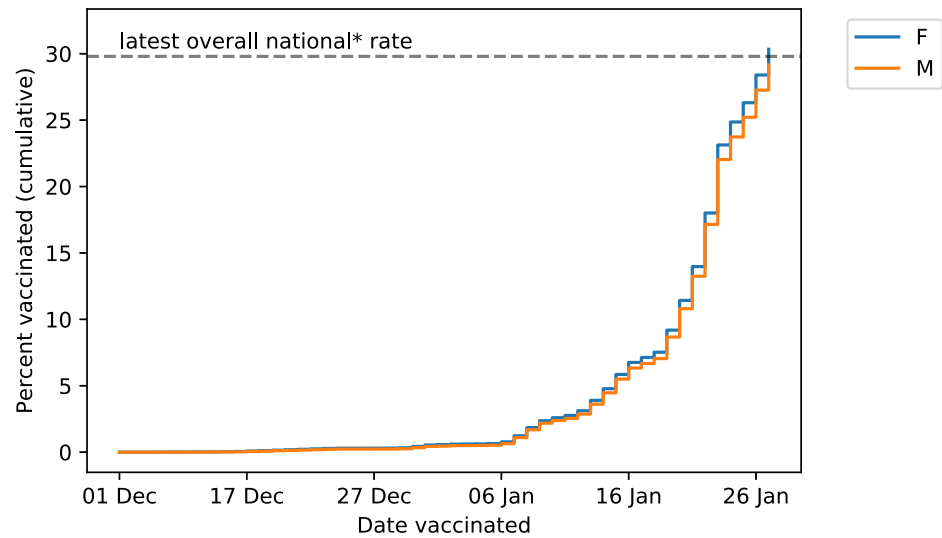
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

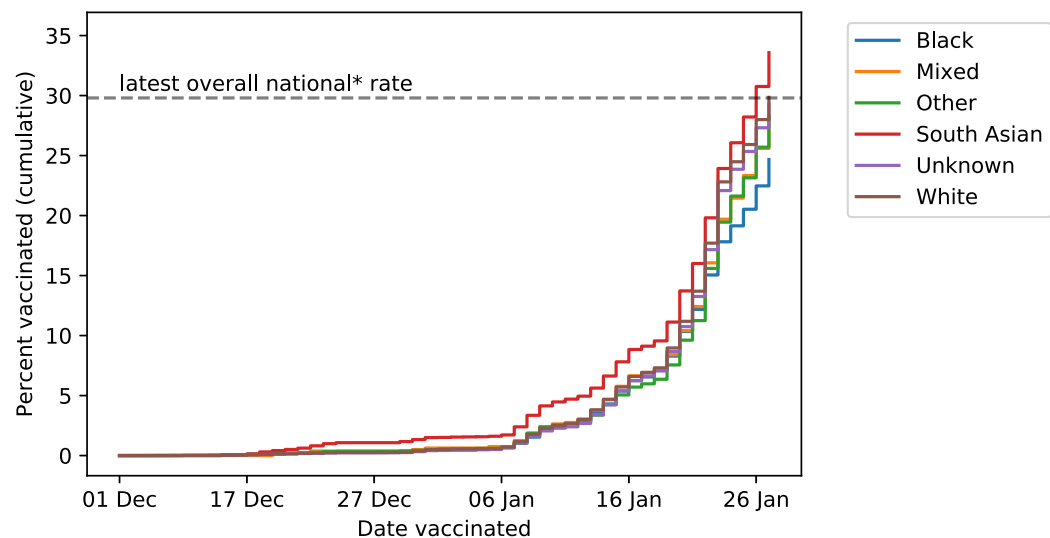
COVID vaccinations among 70-79 population

by Sex



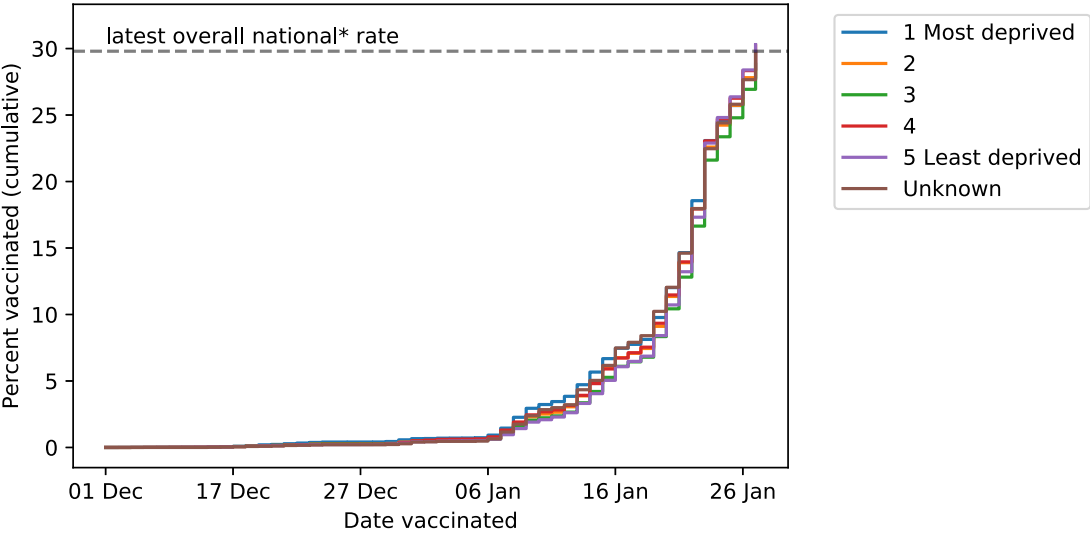
COVID vaccinations among 70-79 population

by Ethnicity broad categories



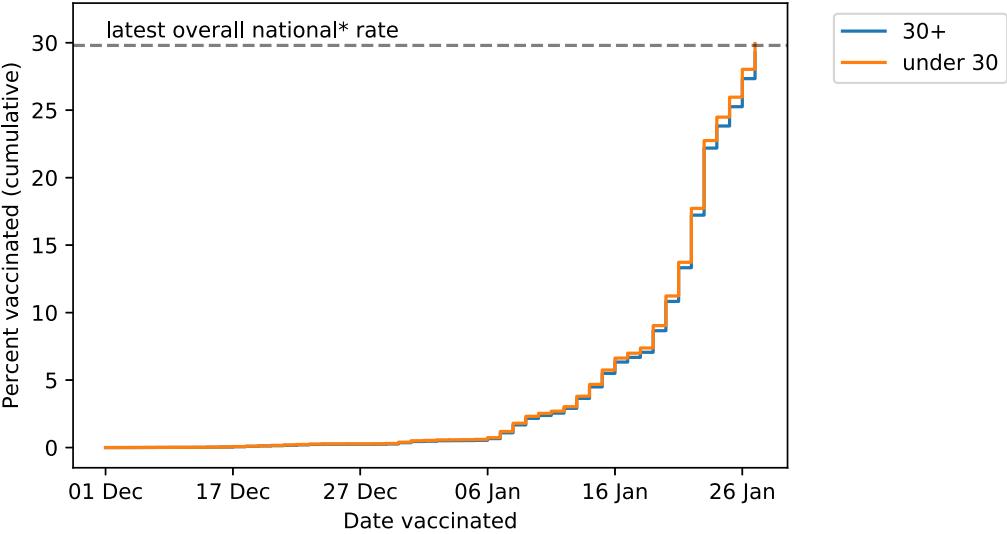
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation



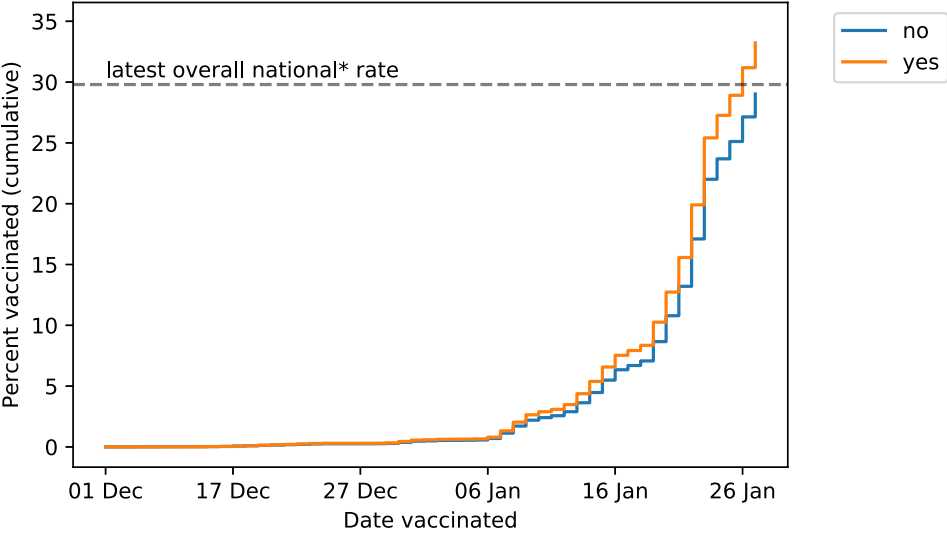
COVID vaccinations among 70-79 population

by BMI



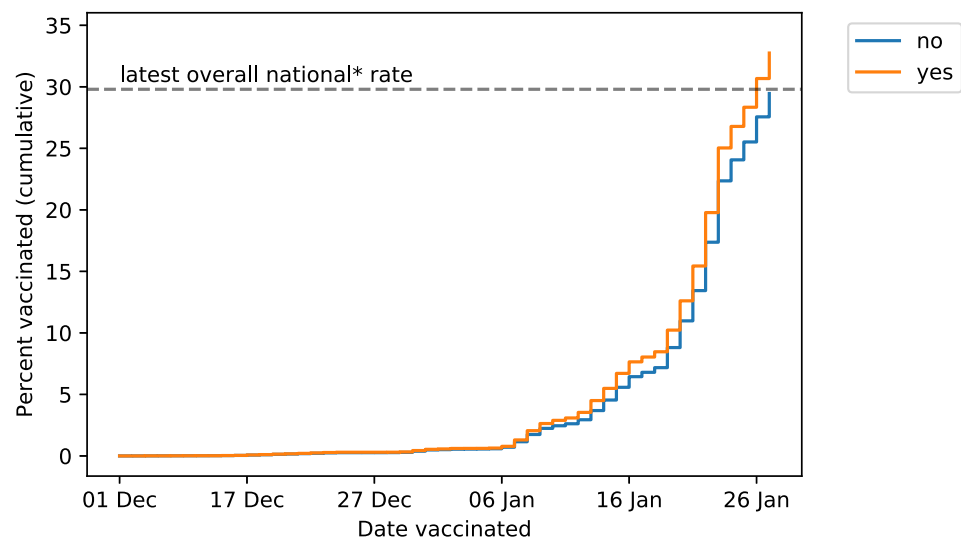
COVID vaccinations among 70-79 population

by Chronic cardiac disease



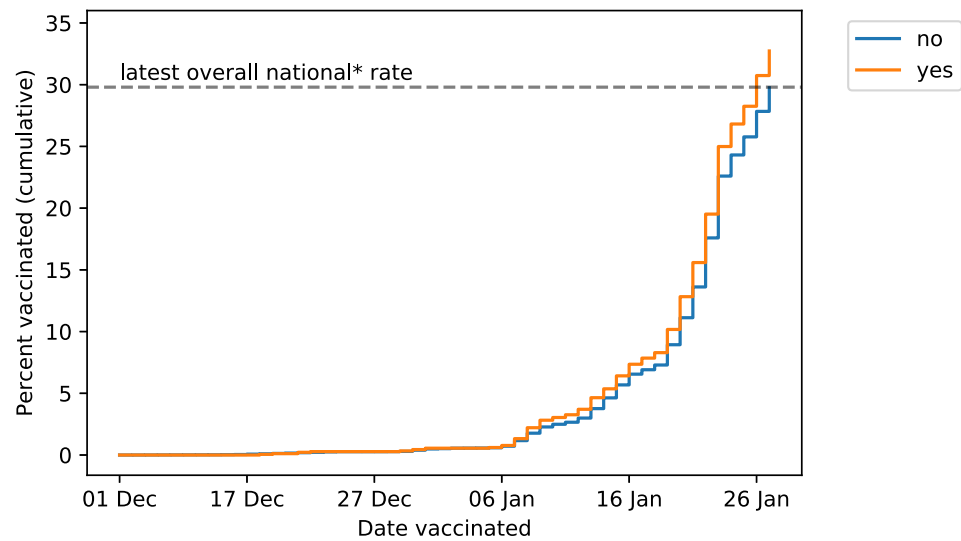
COVID vaccinations among 70-79 population

by Current COPD



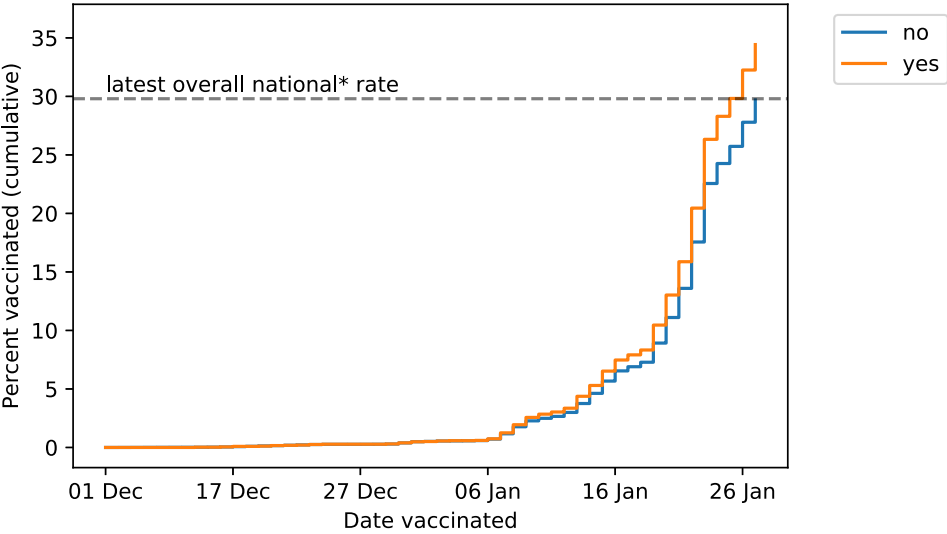
COVID vaccinations among 70-79 population

by Cancer (lung)



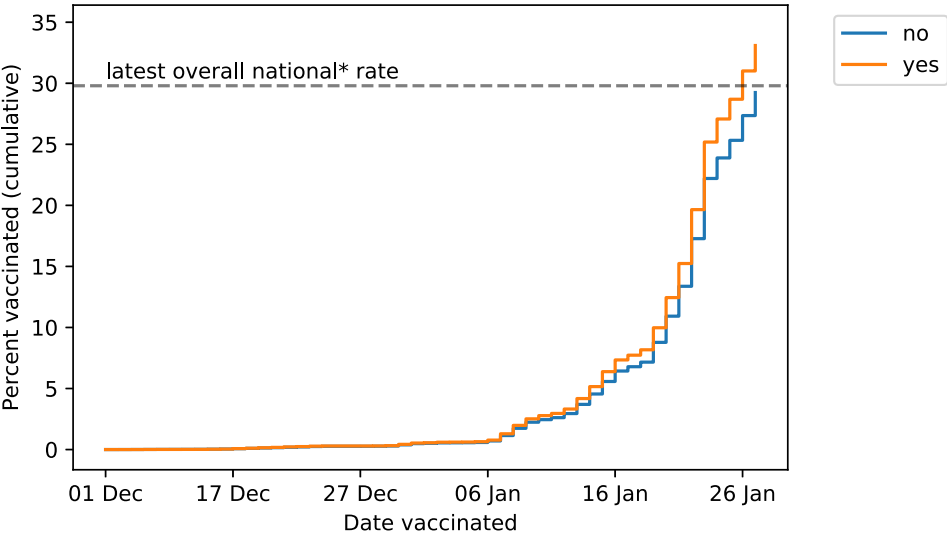
COVID vaccinations among 70-79 population

by Cancer (haematological)



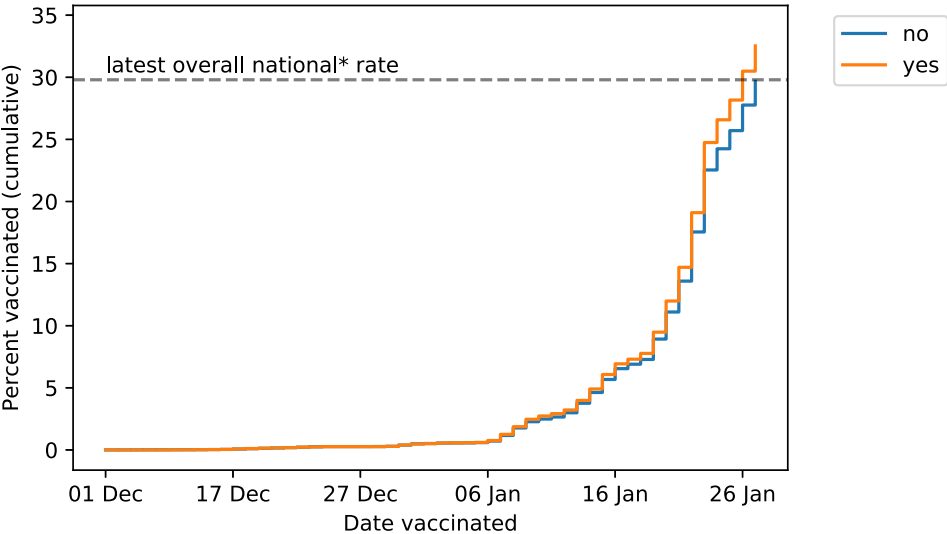
COVID vaccinations among 70-79 population

by Cancer (excluding lung/haem)



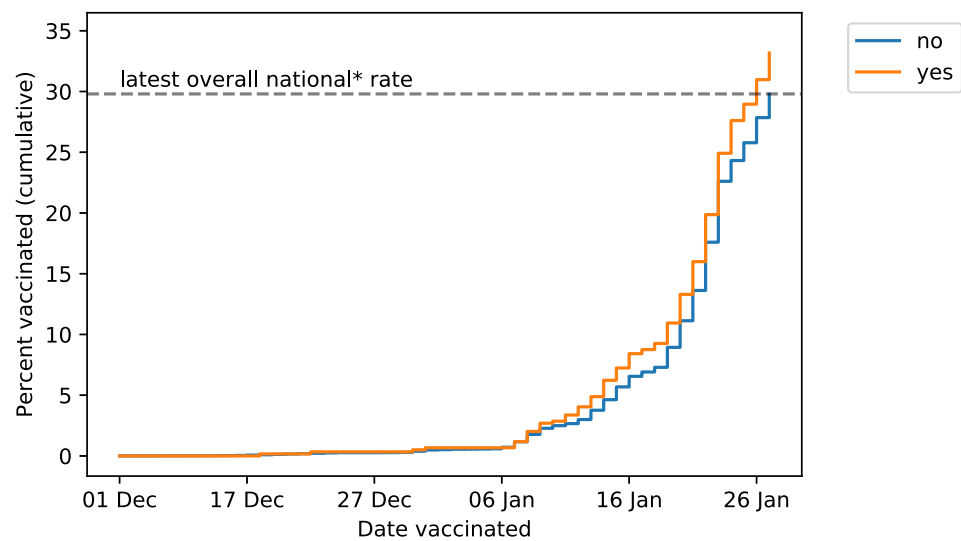
COVID vaccinations among 70-79 population

by Chemo or radiotherapy



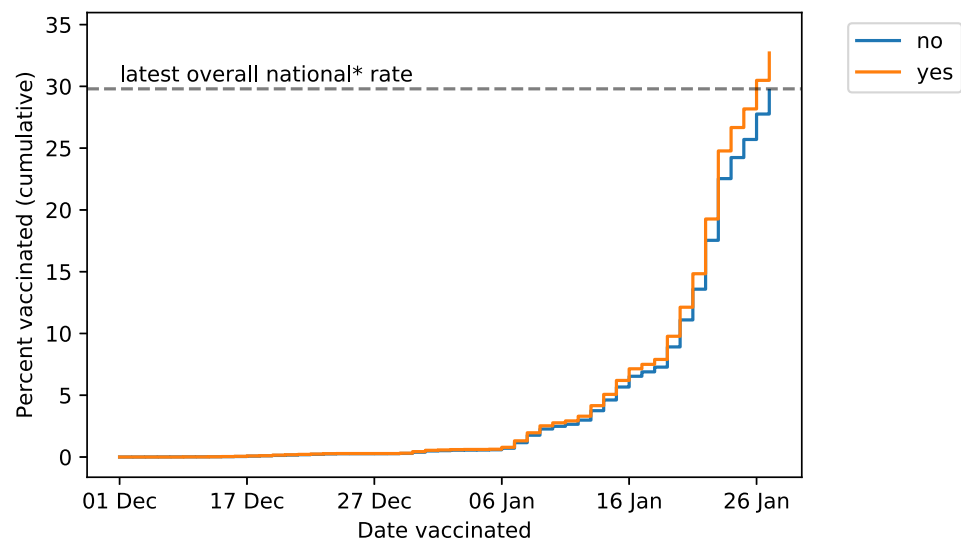
COVID vaccinations among 70-79 population

by Dialysis



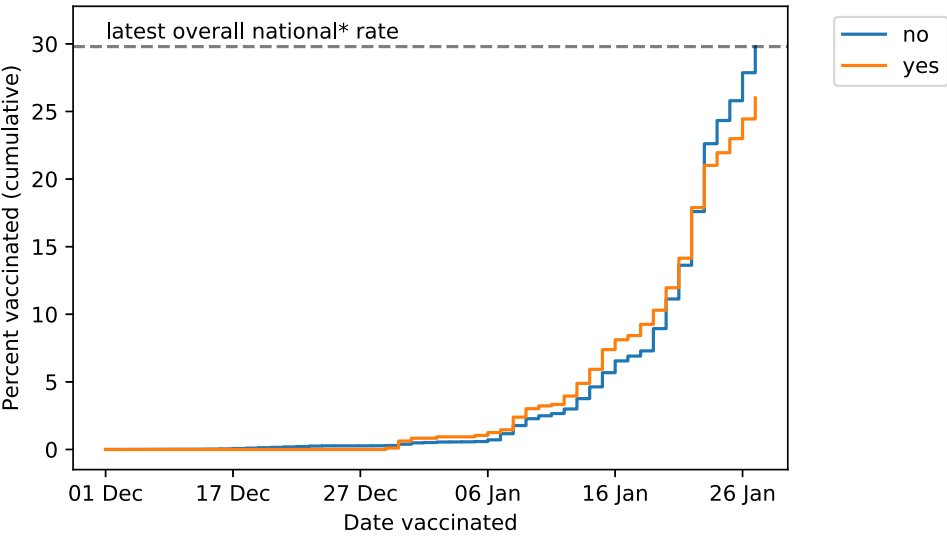
COVID vaccinations among 70-79 population

by DMARDs



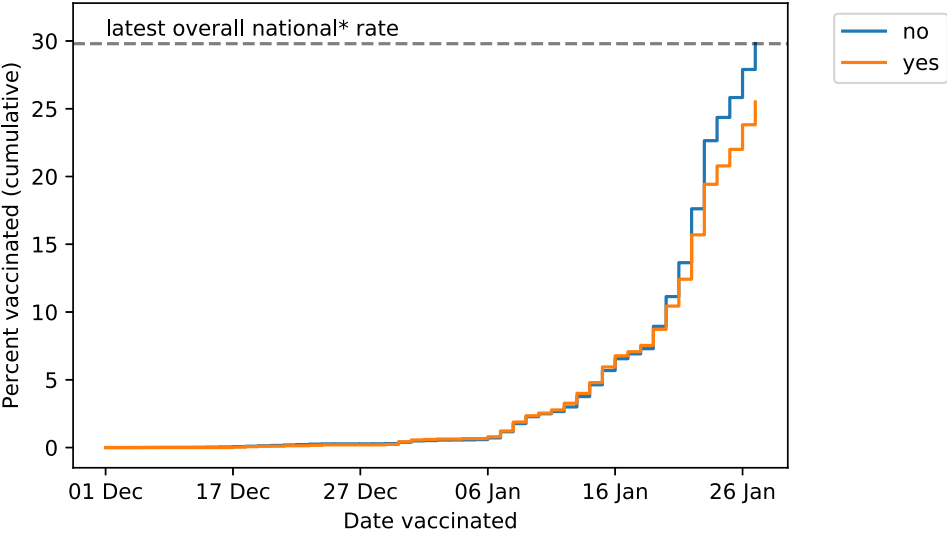
COVID vaccinations among 70-79 population

by Intellectual disability inc Down syndrome



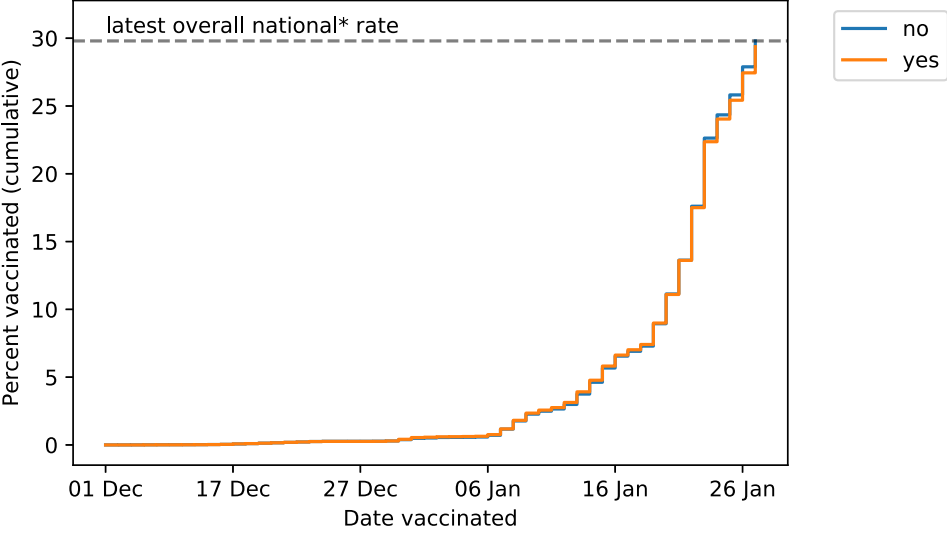
COVID vaccinations among 70-79 population

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.

		Vaccinated at 27 Jan (n)	Vaccinated at 27 Jan (%)	Total eligible	vaccinated 7d previous (percent)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	933437.0	80.4	1160487.0	65.2	15.2
Sex	F	531391.0	79.4	669541.0	63.6	15.8
	M	402038.0	81.9	490937.0	67.4	14.5
Ethnicity broad categories	Black	5012.0	48.4	10356.0	35.8	12.6
	Mixed	1645.0	58.6	2809.0	45.9	12.7
	Other	3402.0	61.2	5557.0	46.6	14.6
	South Asian	16814.0	62.3	26979.0	49.9	12.4
	Unknown	255885.0	78.8	324644.0	63.5	15.3
	White	650664.0	82.3	790133.0	67.1	15.2
	African	840.0	40.5	2075.0	30.0	10.5
Ethnicity sixteen categories	Bangladeshi or British Bangladeshi	609.0	48.5	1255.0	36.8	11.7
	Caribbean	3591.0	50.8	7064.0	37.5	13.3
	Chinese	924.0	59.3	1559.0	50.7	8.6
	Other	2478.0	62.0	3998.0	45.0	17.0
	Other Asian	2618.0	62.5	4191.0	49.4	13.1
	British or Mixed British	614236.0	82.8	742278.0	67.4	15.4
	Indian or British Indian	10122.0	71.5	14166.0	58.6	12.9
	Irish	6531.0	80.1	8158.0	66.4	13.7
	Other Black	581.0	47.7	1217.0	36.2	11.5
	Other White	29897.0	75.3	39697.0	60.9	14.4
	Other mixed	546.0	64.9	841.0	51.6	13.3
	Pakistani or British Pakistani	3465.0	47.0	7367.0	35.8	11.2
	Unknown	255885.0	78.8	324644.0	63.5	15.3
	White + Asian	322.0	68.5	470.0	58.1	10.4
	White + Black African	175.0	47.7	367.0	38.1	9.6
	White + Black Caribbean	602.0	53.2	1131.0	39.0	14.2
Index of Multiple Deprivation	1 Most deprived	110362.0	72.9	151309.0	58.7	14.2
	2	150087.0	77.1	194642.0	61.9	15.2
	3	208236.0	80.4	259089.0	63.7	16.7
	4	220717.0	82.7	266927.0	67.1	15.6
	5 Least deprived	227122.0	84.9	267425.0	70.8	14.1
	Unknown	16905.0	80.2	21086.0	67.4	12.8
BMI	30+	165823.0	81.5	203485.0	65.7	15.8
	under 30	767606.0	80.2	956993.0	65.2	15.0
Chronic cardiac disease	no	657405.0	80.7	815035.0	65.4	15.3
	yes	276024.0	79.9	345443.0	65.0	14.9
Current COPD	no	836430.0	80.6	1038113.0	65.3	15.3
	yes	97006.0	79.3	122365.0	65.0	14.3
Dialysis	no	931784.0	80.4	1158257.0	65.3	15.1
	yes	1645.0	74.1	2221.0	61.1	13.0
DMARDs	no	904211.0	80.4	1124738.0	65.2	15.2

Category	Group	Vaccinated at 27 Jan (n)	Vaccinated at 27 Jan (%)	Total eligible	vaccinated 7d previous (percent)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	29218.0	81.8	35740.0	66.7	15.1
	no	927255.0	80.5	1151381.0	65.4	15.1
Intellectual disability inc Down syndrome	yes	6174.0	67.9	9097.0	51.8	16.1
	no	932267.0	80.5	1158712.0	65.3	15.2
SSRI (last 12 months)	yes	1162.0	65.8	1766.0	49.5	16.3
	no	868301.0	80.6	1076880.0	65.5	15.1
Chemo or radiotherapy	yes	65128.0	77.9	83598.0	61.9	16.0
	no	901271.0	80.4	1121656.0	65.2	15.2
Cancer (lung)	yes	32158.0	82.8	38822.0	67.5	15.3
	no	927479.0	80.5	1152597.0	65.3	15.2
Cancer (excluding lung/haem)	yes	5950.0	75.5	7881.0	62.2	13.3
	no	763819.0	80.0	954612.0	64.8	15.2
Cancer (haematological)	yes	169610.0	82.4	205866.0	67.5	14.9
	no	916132.0	80.4	1139240.0	65.2	15.2
	yes	17304.0	81.5	21238.0	67.4	14.1

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.

		Vaccinated at 27 Jan (n)	Vaccinated at 27 Jan (%)	Total eligible	vaccinated 7d previous (percent)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	619602.0	29.8	2081331.0	11.1	18.7
Sex	F	330239.0	30.3	1088687.0	11.4	18.9
	M	289366.0	29.2	992637.0	10.8	18.4
Ethnicity broad categories	Black	3374.0	24.7	13676.0	10.3	14.4
	Mixed	1575.0	28.2	5580.0	10.4	17.8
	Other	3647.0	28.3	12885.0	9.6	18.7
	South Asian	17094.0	33.6	50916.0	13.7	19.9
	Unknown	134911.0	29.3	460758.0	10.7	18.6
	White	458997.0	29.9	1537509.0	11.2	18.7
	African	1113.0	21.7	5133.0	9.0	12.7
Ethnicity sixteen categories	Bangladeshi or British Bangladeshi	490.0	29.5	1661.0	12.6	16.9
	Caribbean	1771.0	28.0	6323.0	11.7	16.3
	Chinese	889.0	24.4	3647.0	8.6	15.8
	Other	2758.0	29.9	9238.0	10.0	19.9
	Other Asian	3255.0	31.3	10408.0	11.6	19.7
	British or Mixed British	429793.0	29.7	1446843.0	11.1	18.6
	Indian or British Indian	10374.0	37.0	28032.0	14.9	22.1
	Irish	5390.0	40.2	13400.0	16.9	23.3
	Other Black	497.0	22.4	2220.0	9.5	12.9
	Other White	23814.0	30.8	77266.0	11.6	19.2
	Other mixed	560.0	28.0	2001.0	10.1	17.9
	Pakistani or British Pakistani	2975.0	27.5	10815.0	13.1	14.4
	Unknown	134911.0	29.3	460758.0	10.7	18.6
	White + Asian	364.0	30.5	1193.0	12.3	18.2
	White + Black African	266.0	26.2	1017.0	9.6	16.6
	White + Black Caribbean	378.0	27.6	1369.0	9.7	17.9
Index of Multiple Deprivation	1 Most deprived	82453.0	29.8	276632.0	12.0	17.8
	2	105063.0	29.7	353584.0	11.4	18.3
	3	133574.0	28.8	463581.0	10.4	18.4
	4	144641.0	30.2	478800.0	11.5	18.7
	5 Least deprived	142660.0	30.3	470841.0	10.7	19.6
	Unknown	11214.0	29.6	37886.0	12.0	17.6
BMI	30+	151844.0	29.3	519082.0	10.8	18.5
	under 30	467754.0	29.9	1562242.0	11.2	18.7
Chronic cardiac disease	no	496888.0	29.0	1711978.0	10.8	18.2
	yes	122710.0	33.2	369346.0	12.7	20.5
Current COPD	no	554757.0	29.5	1883306.0	11.0	18.5
	yes	64841.0	32.7	198018.0	12.6	20.1
Dialysis	no	618219.0	29.8	2077166.0	11.1	18.7
	yes	1379.0	33.2	4158.0	13.3	19.9
DMARDs	no	596036.0	29.7	2009275.0	11.1	18.6

Category	Group	Vaccinated at 27 Jan (n)	Vaccinated at 27 Jan (%)	Total eligible	vaccinated 7d previous (percent)	Vaccinated over last 7d (%)
Psychosis, schizophrenia, or bipolar	yes	23562.0	32.7	72049.0	12.1	20.6
	no	614194.0	29.8	2060135.0	11.1	18.7
Intellectual disability incl Down syndrome	yes	5404.0	25.5	21189.0	10.4	15.1
	no	617848.0	29.8	2074595.0	11.1	18.7
SSRI (last 12 months)	yes	1750.0	26.0	6729.0	12.0	14.0
	no	571557.0	29.8	1917782.0	11.1	18.7
Chemo or radiotherapy	yes	48041.0	29.4	163542.0	11.1	18.3
	no	597100.0	29.7	2012138.0	11.1	18.6
Cancer (lung)	yes	22505.0	32.5	69186.0	12.0	20.5
	no	615454.0	29.8	2068663.0	11.1	18.7
Cancer (excluding lung/haem)	yes	4144.0	32.7	12661.0	12.8	19.9
	no	525651.0	29.2	1797441.0	10.9	18.3
Cancer (haematological)	yes	93954.0	33.1	283883.0	12.4	20.7
	no	609189.0	29.7	2051069.0	11.1	18.6
	yes	10416.0	34.4	30255.0	13.0	21.4

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 people aged under 70, not resident in care homes population

Please refer to footnotes below table for information.

Category	Group	Vaccinated at 27 Jan (n)	vaccinated 7d previous	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
overall	overall	968120.0	714029.0	254091.0	35.6
Sex	F	713489.0	534996.0	178493.0	33.4
	M	254625.0	179025.0	75600.0	42.2
Age band	0-19	10759.0	7266.0	3493.0	48.1
	20-29	129766.0	95354.0	34412.0	36.1
	30-39	180635.0	136745.0	43890.0	32.1
	40-49	214725.0	163373.0	51352.0	31.4
	50-59	271607.0	204106.0	67501.0	33.1
	60-69	160622.0	107170.0	53452.0	49.9
	70-79	10759.0	7266.0	3493.0	48.1
Ethnicity broad categories	Black	20643.0	14280.0	6363.0	44.6
	Mixed	10766.0	7924.0	2842.0	35.9
	Other	15778.0	12488.0	3290.0	26.3
	South Asian	68488.0	53221.0	15267.0	28.7
	Unknown	211183.0	156954.0	54229.0	34.6
	White	641256.0	469154.0	172102.0	36.7
Ethnicity sixteen categories	African	13811.0	9583.0	4228.0	44.1
	Bangladeshi or British Bangladeshi	2478.0	1792.0	686.0	38.3
	Caribbean	3213.0	2170.0	1043.0	48.1
	Chinese	3297.0	2681.0	616.0	23.0
	Other	12474.0	9807.0	2667.0	27.2
	Other Asian	19348.0	15841.0	3507.0	22.1
	British or Mixed British	588182.0	430661.0	157521.0	36.6
	Indian or British Indian	35049.0	27083.0	7966.0	29.4
	Irish	4914.0	3633.0	1281.0	35.3
	Other Black	3619.0	2527.0	1092.0	43.2
	Other White	48153.0	34860.0	13293.0	38.1
	Other mixed	3549.0	2667.0	882.0	33.1
	Pakistani or British Pakistani	11613.0	8505.0	3108.0	36.5
	Unknown	211183.0	156954.0	54229.0	34.6
	White + Asian	2772.0	2205.0	567.0	25.7
	White + Black African	2492.0	1715.0	777.0	45.3
	White + Black Caribbean	1953.0	1344.0	609.0	45.3
Index of Multiple Deprivation	1 Most deprived	157136.0	112742.0	44394.0	39.4
	2	183288.0	134211.0	49077.0	36.6
	3	207277.0	152068.0	55209.0	36.3
	4	203329.0	150920.0	52409.0	34.7
	5 Least deprived	191996.0	145376.0	46620.0	32.1
	Unknown	25088.0	18704.0	6384.0	34.1
	6	203329.0	150920.0	52409.0	34.7
BMI	30+	222901.0	159075.0	63826.0	40.1
	under 30	745206.0	554946.0	190260.0	34.3
Chronic cardiac disease	no	936138.0	693469.0	242669.0	35.0
	yes	31969.0	20552.0	11417.0	55.6
Current COPD	no	947933.0	703675.0	244258.0	34.7
	yes	20174.0	10346.0	9828.0	95.0

Category	Group	Vaccinated at 27 Jan (n)	vaccinated 7d previous	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Dialysis	no	966070.0	713202.0	252868.0	35.5
	yes	2044.0	819.0	1225.0	149.6
DMARDs	no	942480.0	698831.0	243649.0	34.9
	yes	25627.0	15190.0	10437.0	68.7
SSRI (last 12 months)	no	816536.0	602763.0	213773.0	35.5
	yes	151571.0	111258.0	40313.0	36.2

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.