

# 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 16 Feb 2021**

**Vaccinations included up to 11 Feb 2021 inclusive**

## Contents:

- [Overview](#)
- [Summary Chart](#)
- Trends in vaccination coverage according to demographic/clinical features, for:
  - [80+ population](#)
  - [70-79 population](#)
- [Current vaccination coverage of each eligible population group, according to demographic/clinical features](#)

## Overview of Vaccination Figures to date

### As at 11 Feb 2021:

**Total** population vaccinated in TPP: 4,634,469

**80+** population vaccinated: 1,042,552 (91.1% of 1,144,773)

**70-79** population vaccinated: 1,761,319 (84.9% of 2,074,087)

**care home** population vaccinated: 71,603 (87.0% of 82,300)

**shielding** population vaccinated: 324,142 (65.0% of 499,032)

**under 70s, not in other eligible groups shown** population vaccinated: 1,434,867

### Vaccine types and second doses:

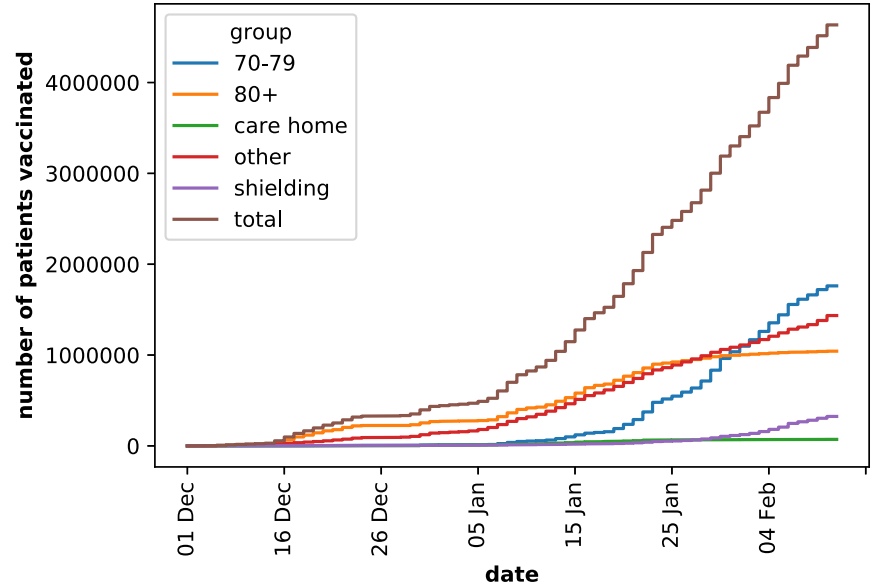
Second doses (% of all vaccinated): 187,376 (4.0%)

Oxford-AZ vaccines (% of all first doses): 1,997,184 (43.1%)

figures rounded to nearest 7

Summary Chart

Cumulative vaccination figures to 2021-02-11



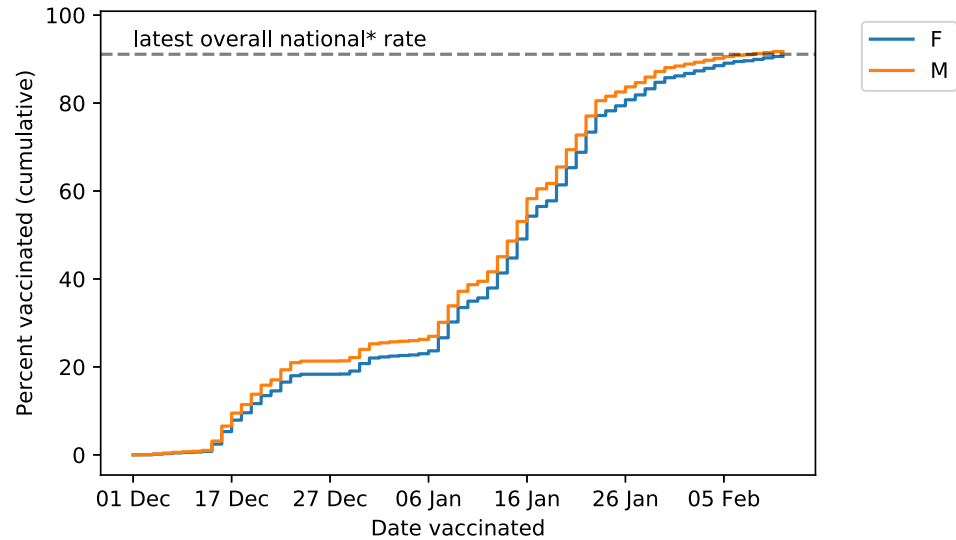
Trends in vaccination rates of 80+ population according to demographic/clinical features, cumulatively by day.

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

80+ population

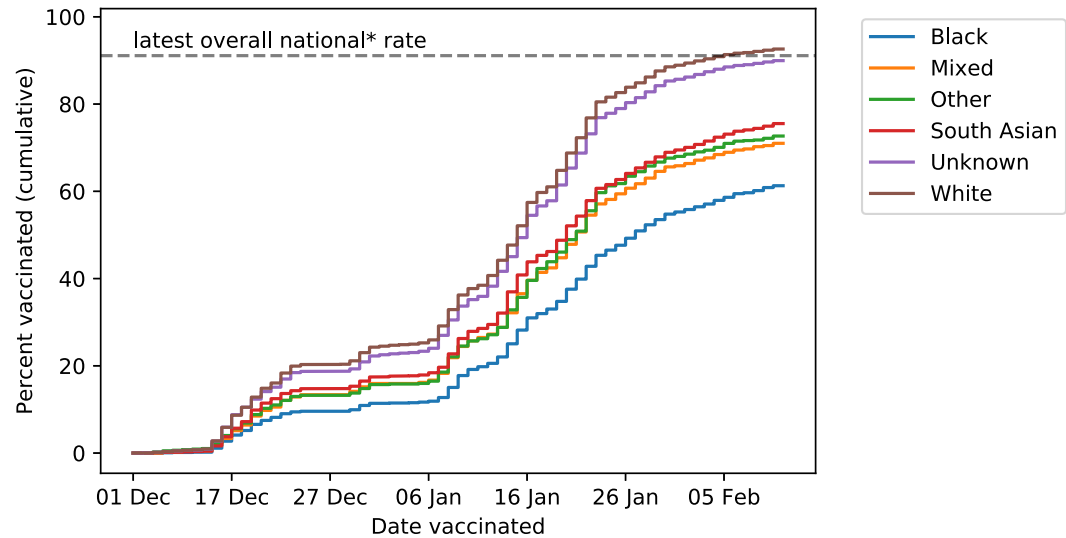
COVID vaccinations among 80+ population

by Sex



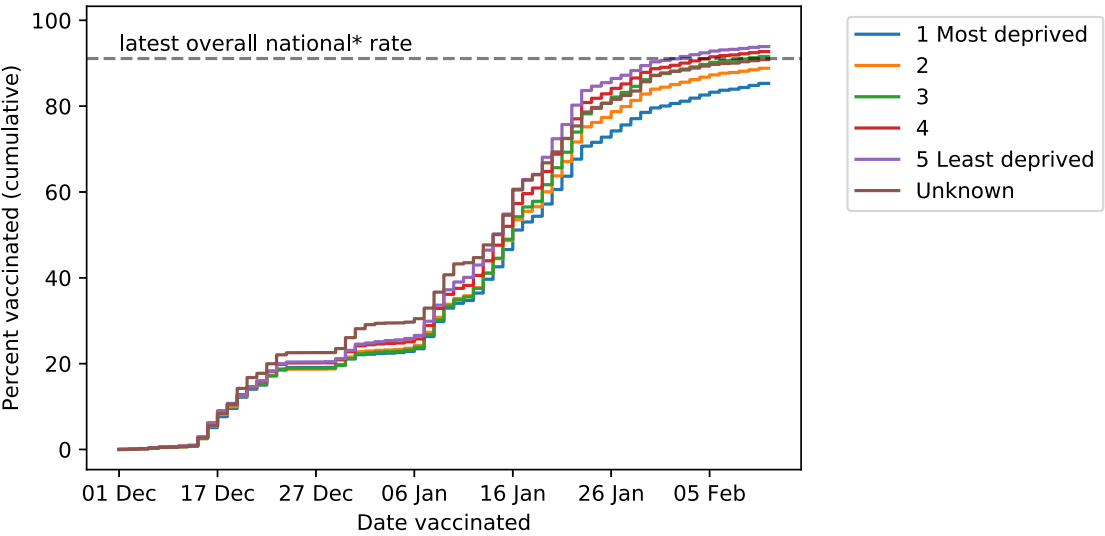
COVID vaccinations among 80+ population

by Ethnicity (broad categories)



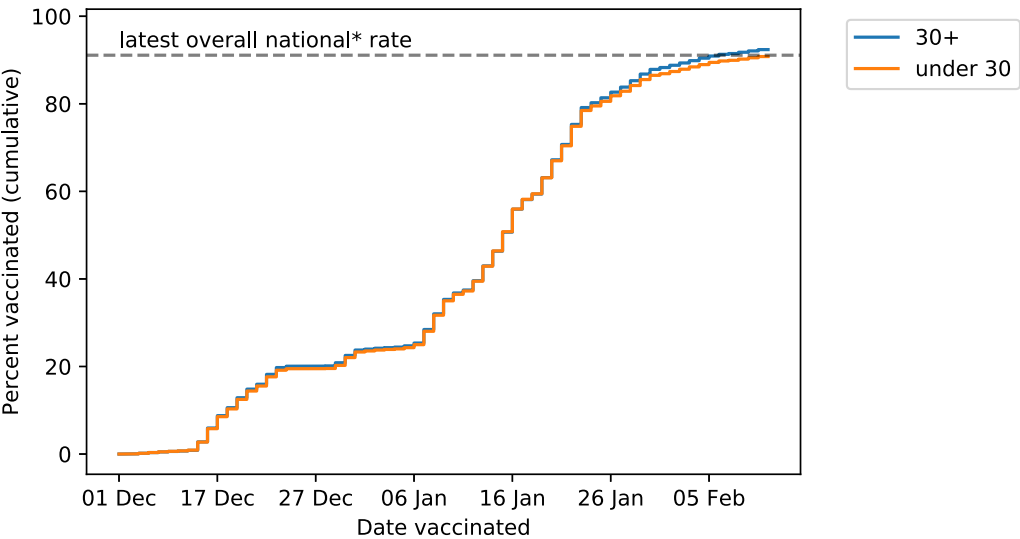
COVID vaccinations among 80+ population

by Index of Multiple Deprivation (quintiles)



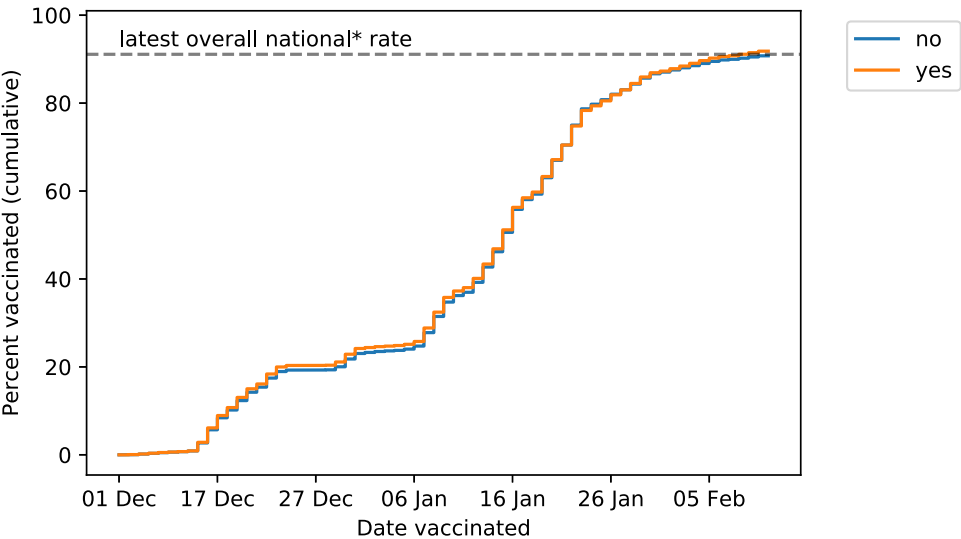
COVID vaccinations among 80+ population

by BMI



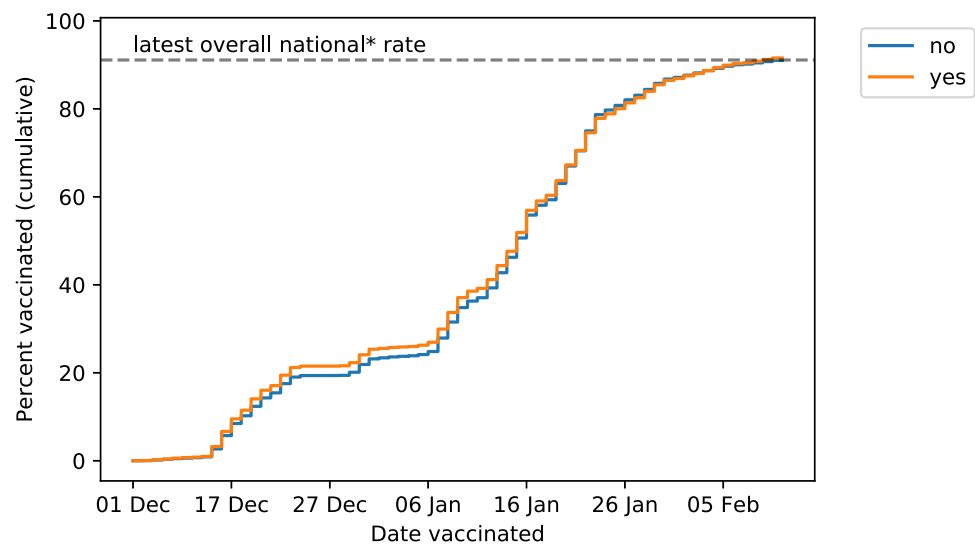
COVID vaccinations among 80+ population

by Chronic cardiac disease



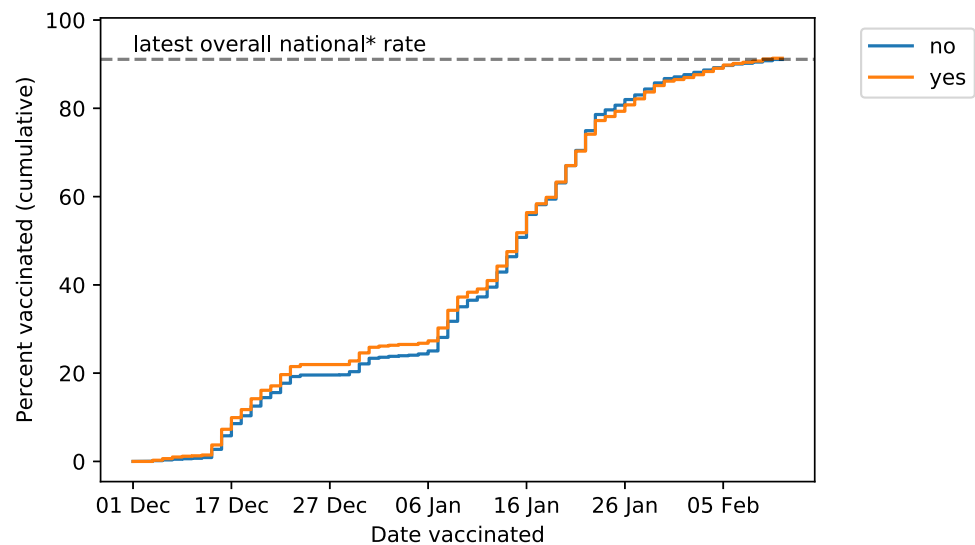
COVID vaccinations among 80+ population

by Current COPD



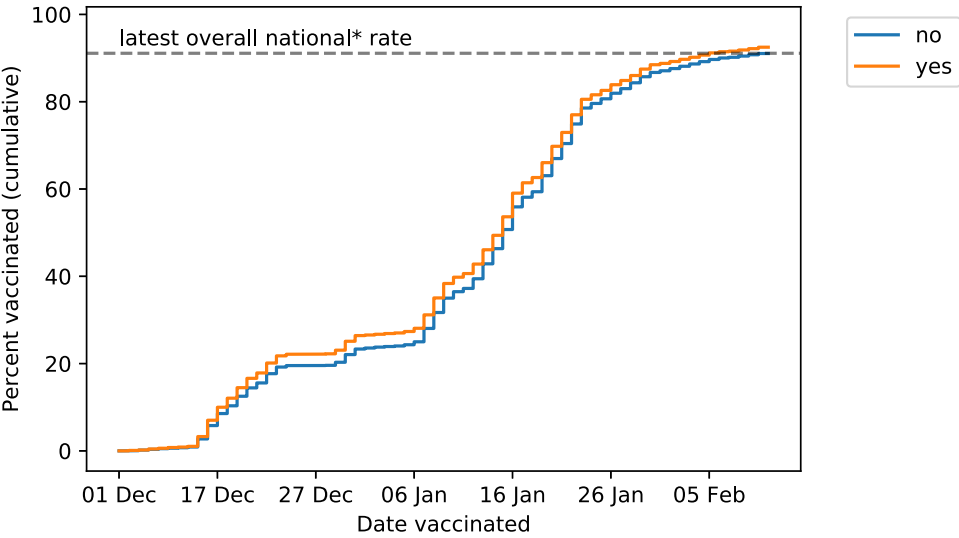
COVID vaccinations among 80+ population

by Cancer (lung)



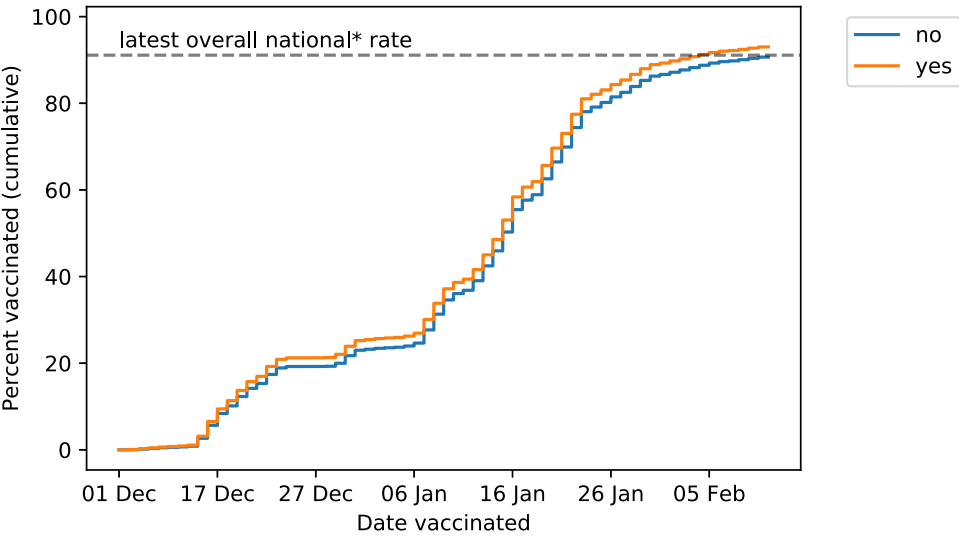
COVID vaccinations among 80+ population

by Cancer (haematological)



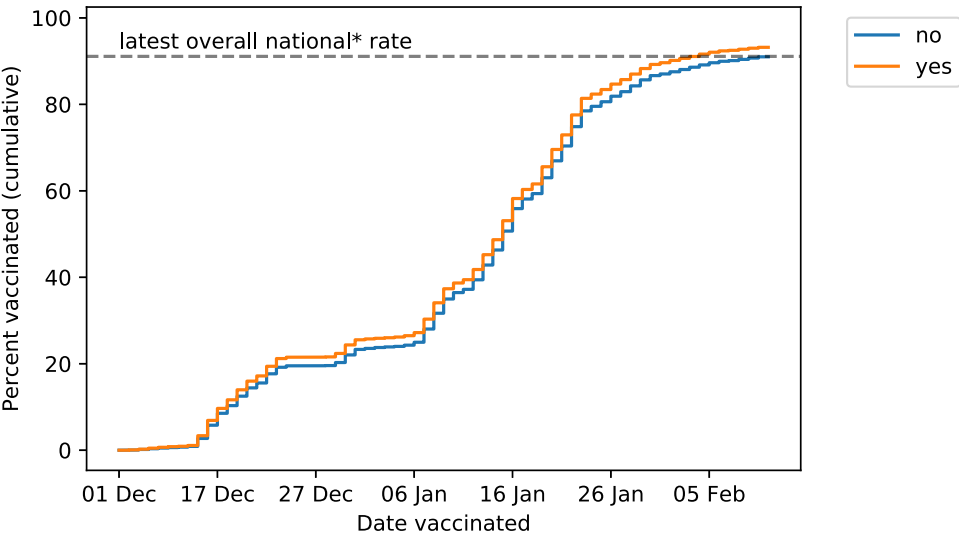
COVID vaccinations among 80+ population

by Cancer (excluding lung/haem)



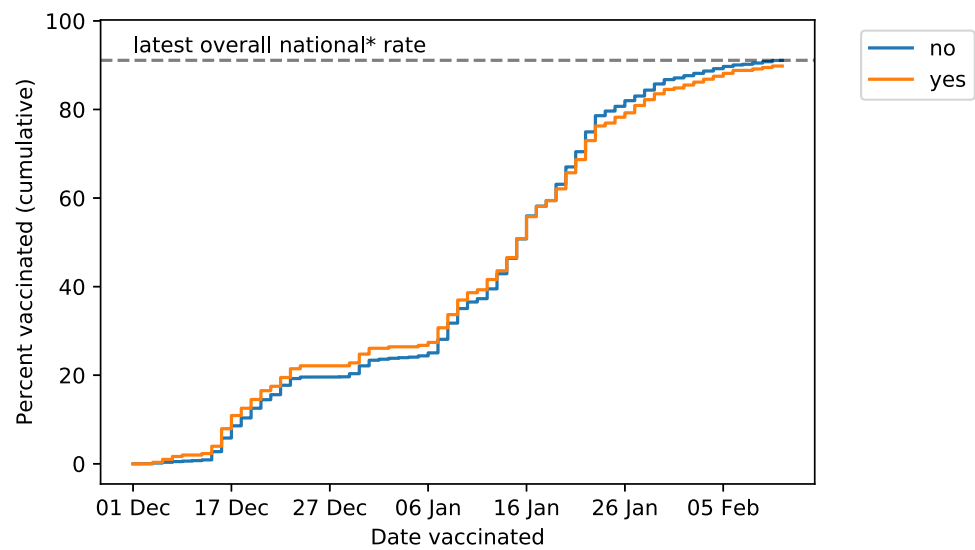
COVID vaccinations among 80+ population

by Chemo or radiotherapy



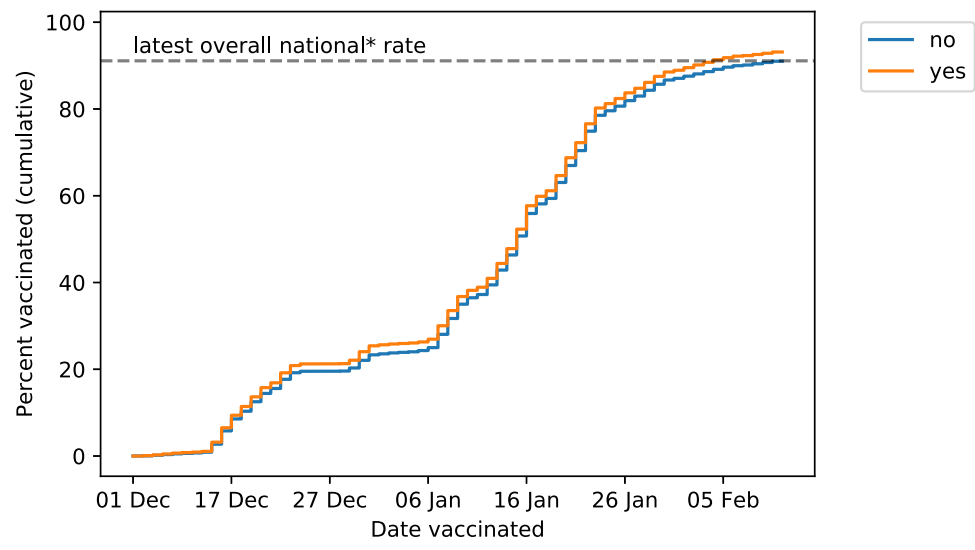
COVID vaccinations among 80+ population

by Dialysis



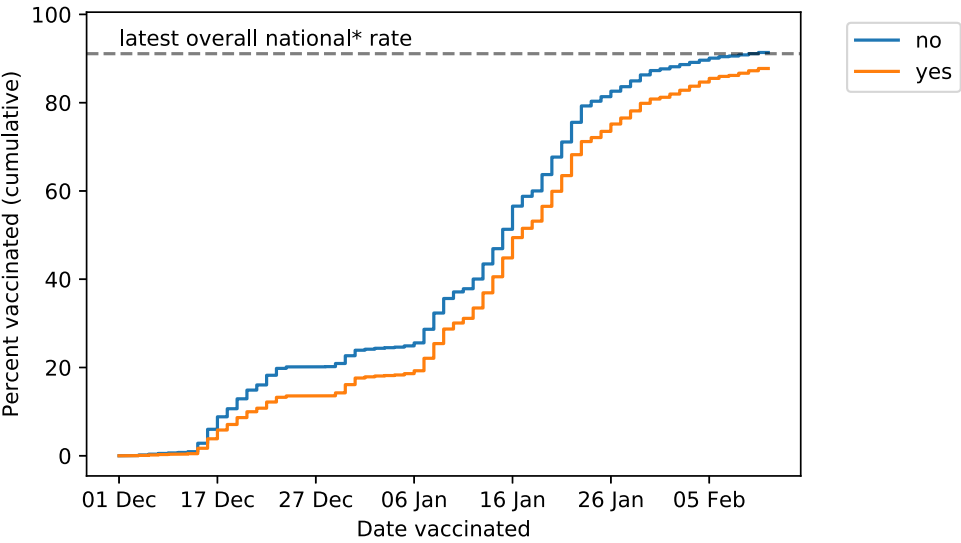
COVID vaccinations among 80+ population

by DMARDs



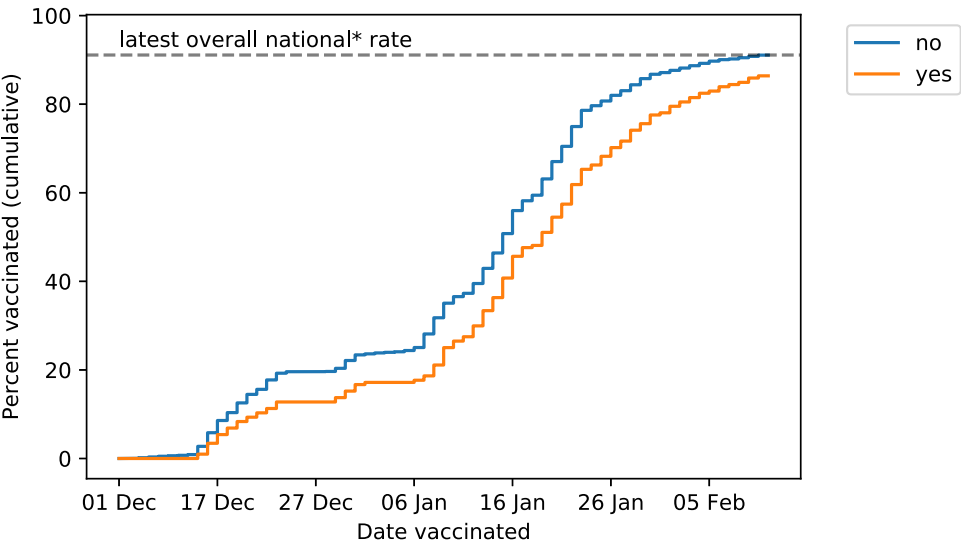
COVID vaccinations among 80+ population

by Dementia



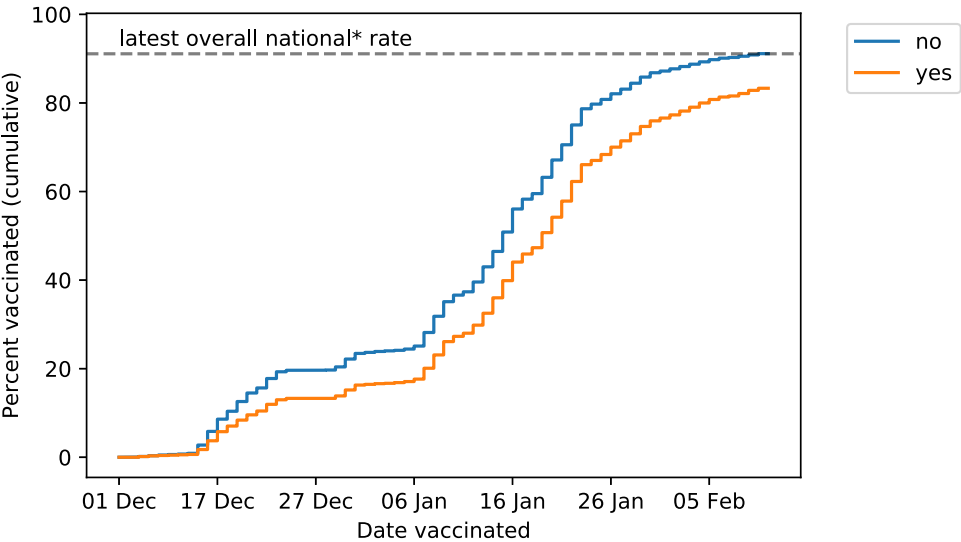
COVID vaccinations among 80+ population

by Intellectual disability inc Down syndrome



COVID vaccinations among 80+ population

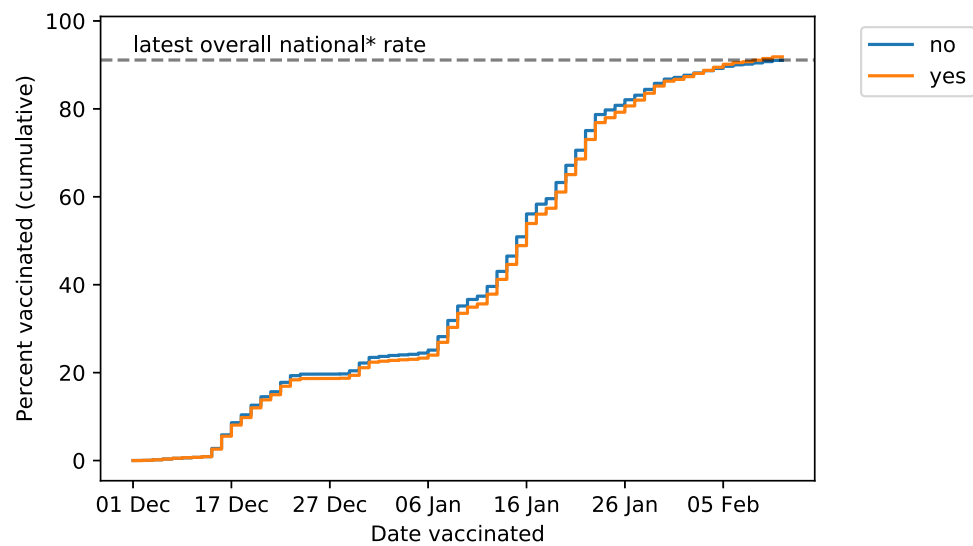
by Psychosis, schizophrenia, or bipolar





COVID vaccinations among 80+ population

by SSRI (last 12 months)



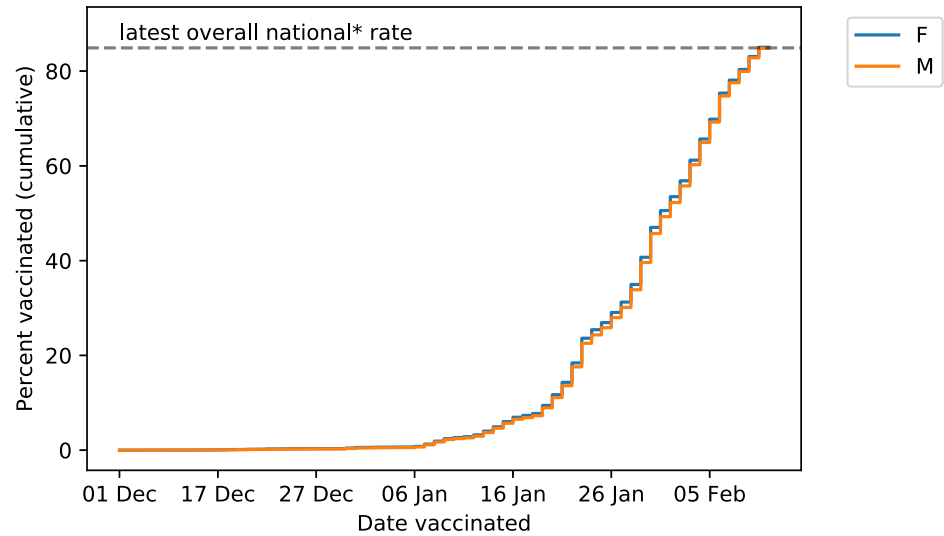
Trends in vaccination rates of 70-79 population according to demographic/clinical features, cumulatively by day.

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

70-79 population

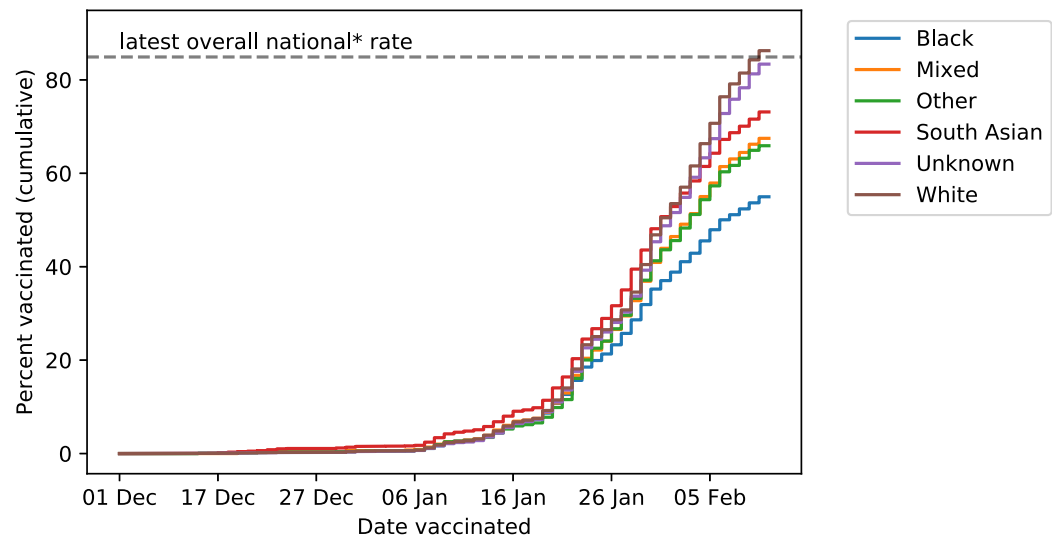
COVID vaccinations among 70-79 population

by Sex



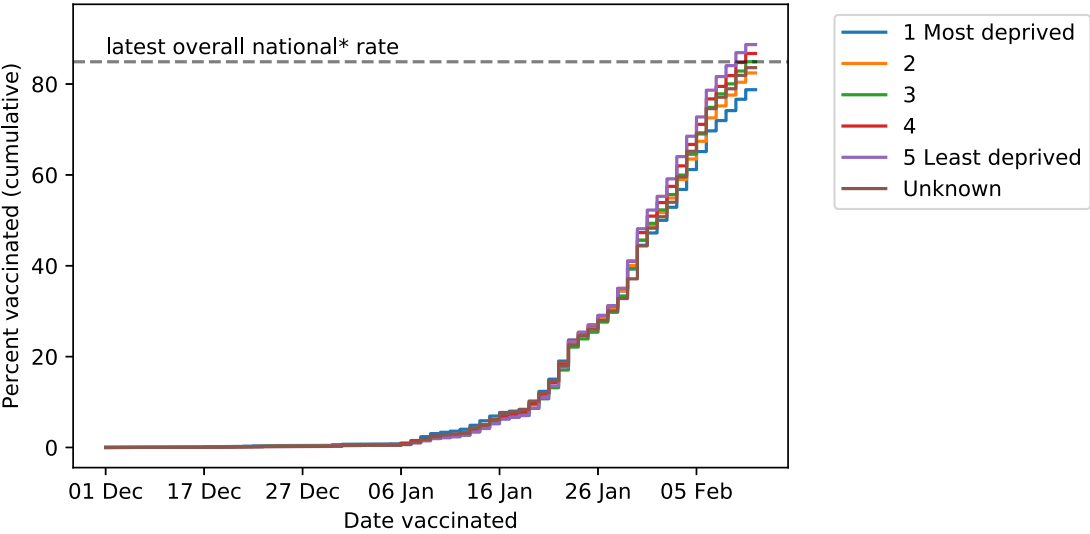
COVID vaccinations among 70-79 population

by Ethnicity (broad categories)



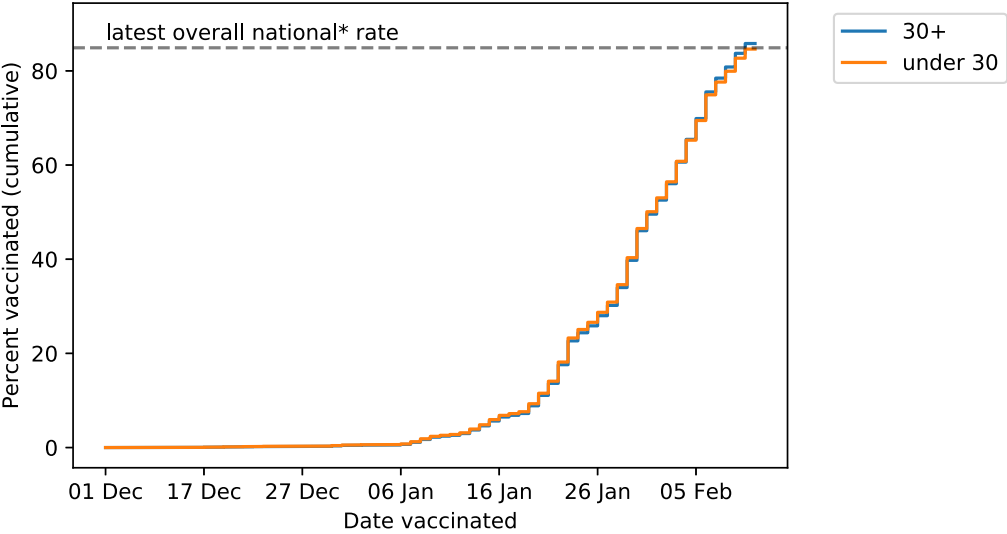
COVID vaccinations among 70-79 population

by Index of Multiple Deprivation (quintiles)



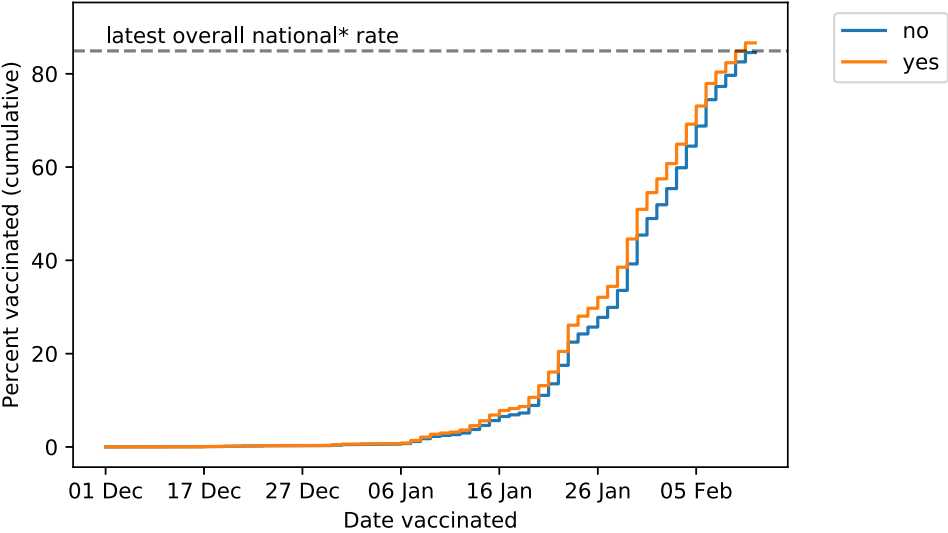
COVID vaccinations among 70-79 population

by BMI



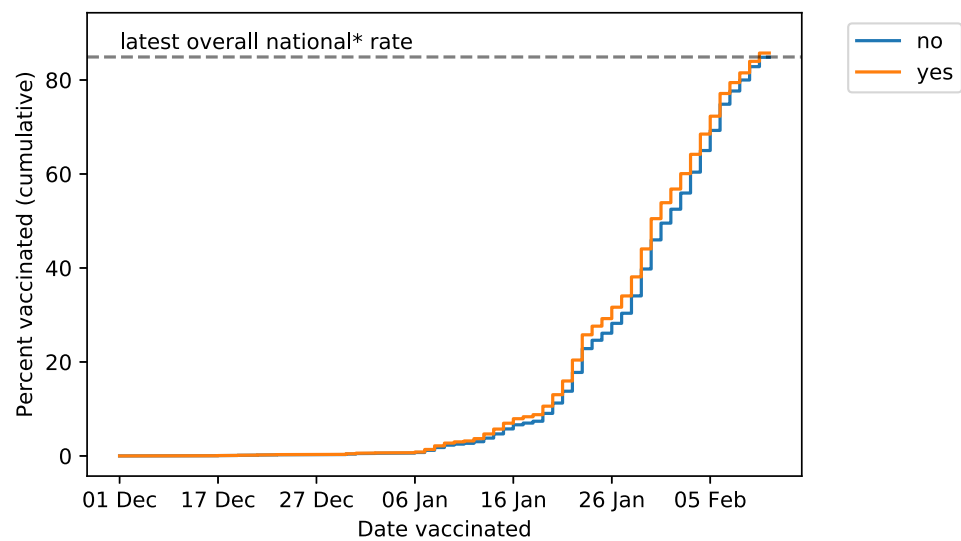
COVID vaccinations among 70-79 population

by Chronic cardiac disease



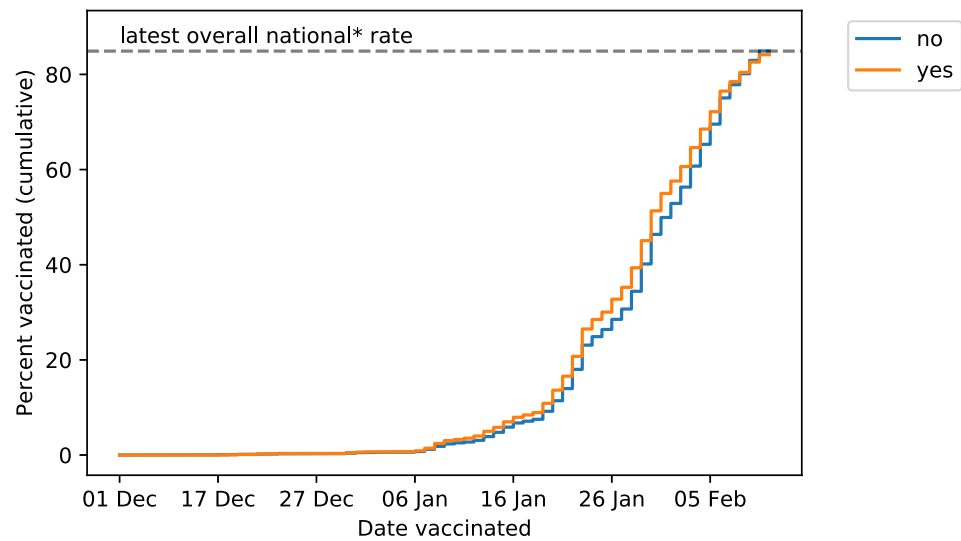
COVID vaccinations among 70-79 population

by Current COPD



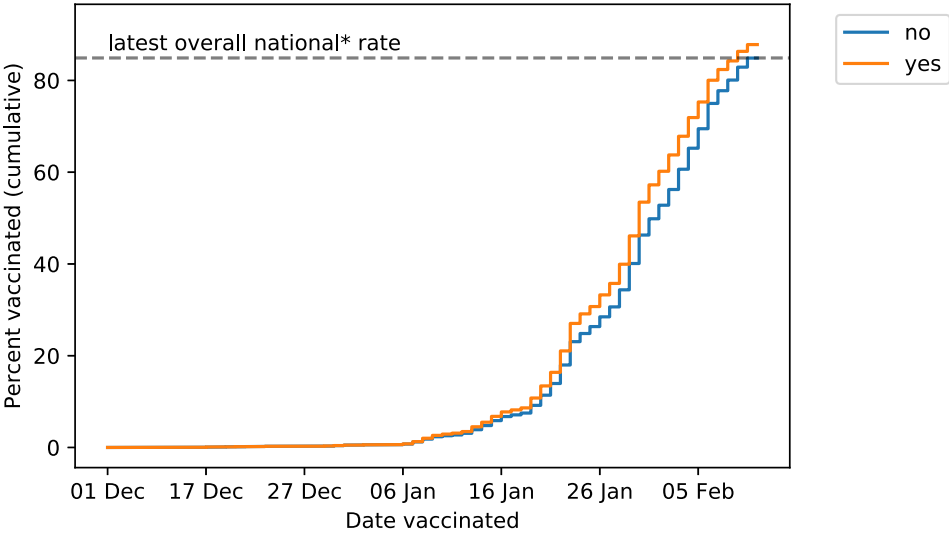
COVID vaccinations among 70-79 population

by Cancer (lung)



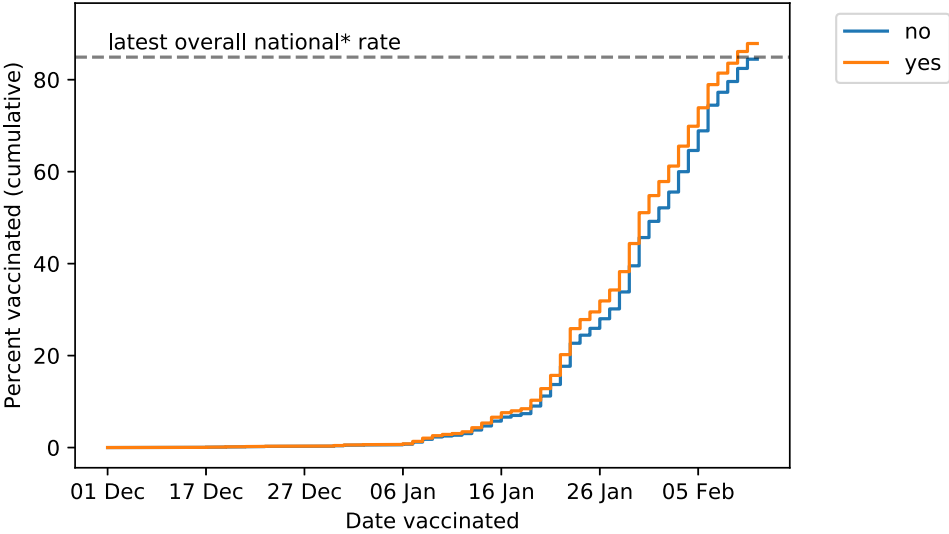
COVID vaccinations among 70-79 population

by Cancer (haematological)



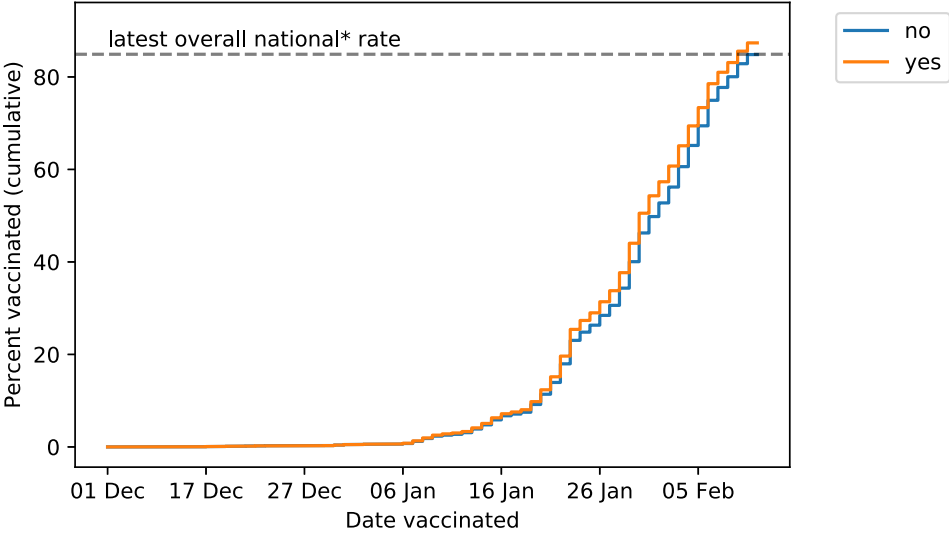
COVID vaccinations among 70-79 population

by Cancer (excluding lung/haem)



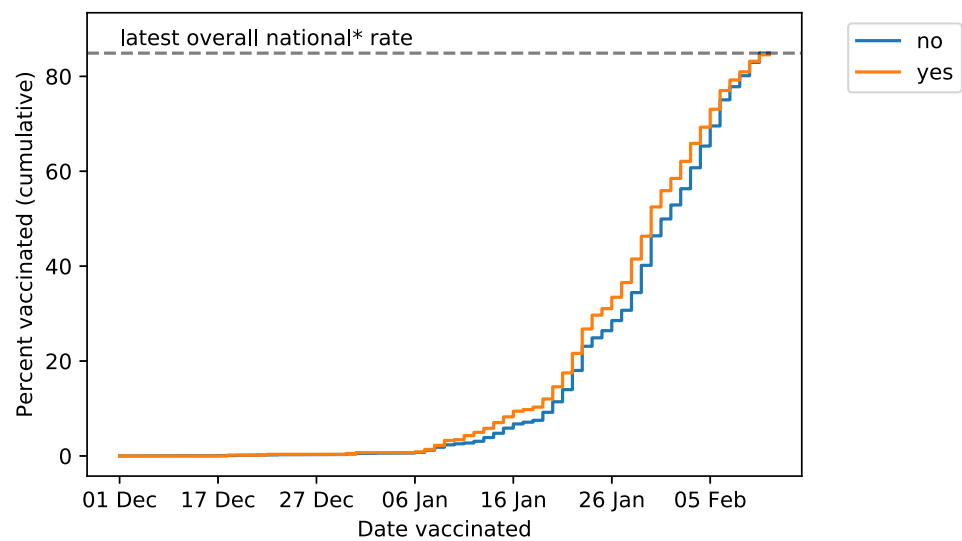
COVID vaccinations among 70-79 population

by Chemo or radiotherapy



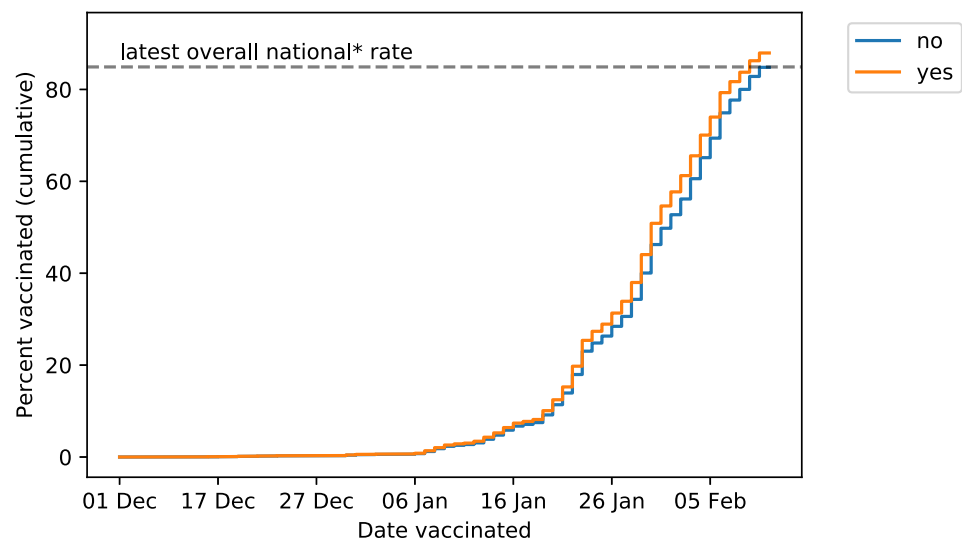
COVID vaccinations among 70-79 population

by Dialysis



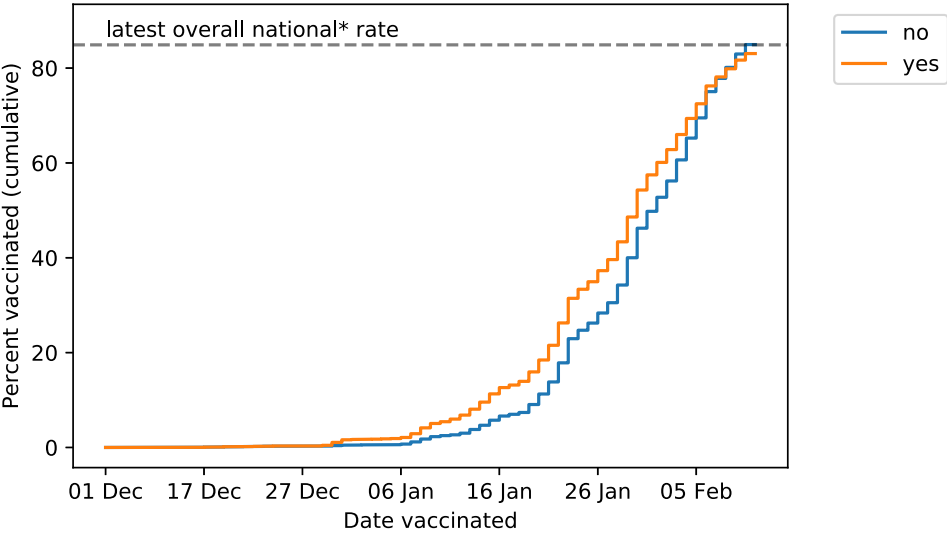
COVID vaccinations among 70-79 population

by DMARDs



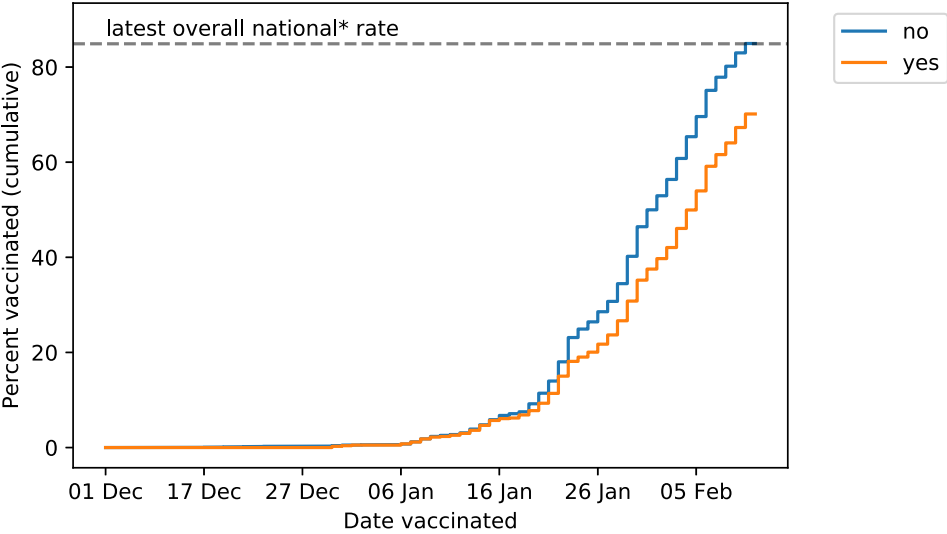
COVID vaccinations among 70-79 population

by Dementia



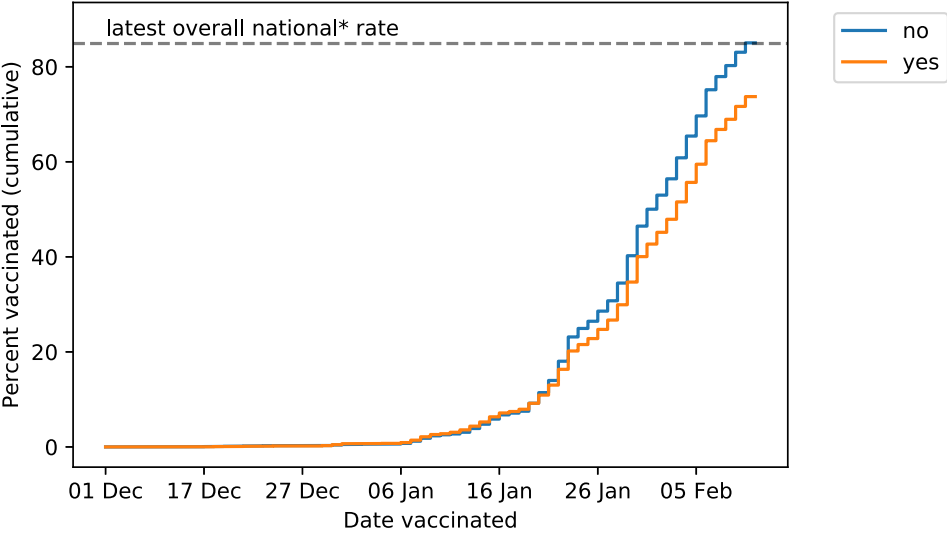
COVID vaccinations among 70-79 population

by Intellectual disability inc Down syndrome



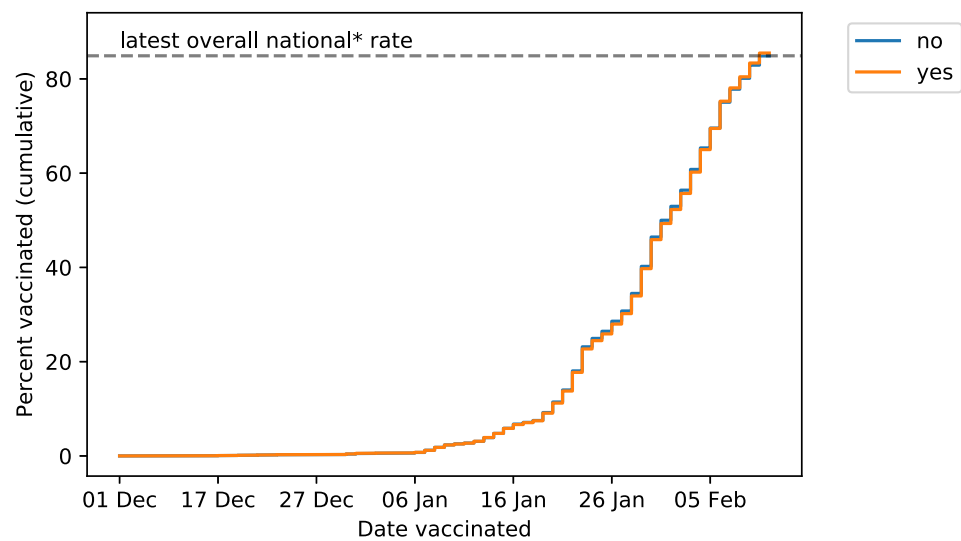
COVID vaccinations among 70-79 population

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 11 Feb (n)	Vaccinated at 11 Feb (%)	Total eligible	vaccinated at 2021-02-04 (percent)	Vaccinated over last 7d (%)
overall	overall	1042550.0	91.1	1144773.0	89.2	1.9
Sex	F	600712.0	90.6	663050.0	88.5	2.1
	M	441826.0	91.7	481714.0	90.2	1.5
ageband 5yr	80-84	549584.0	92.3	595389.0	90.8	1.5
	85-89	325962.0	91.1	357931.0	89.2	1.9
	90+	166999.0	87.2	191444.0	84.2	3.0
Ethnicity (broad categories)	Black	6132.0	61.3	10006.0	57.9	3.4
	Mixed	1932.0	71.0	2721.0	68.4	2.6
	Other	3920.0	72.7	5394.0	70.1	2.6
	South Asian	19670.0	75.5	26043.0	72.4	3.1
	Unknown	286741.0	90.0	318748.0	88.0	2.0
	White	724136.0	92.6	781852.0	90.9	1.7
ethnicity 16 groups	African	1008.0	51.2	1970.0	48.7	2.5
	Bangladeshi or British Bangladeshi	756.0	63.7	1186.0	59.0	4.7
	Caribbean	4417.0	64.4	6857.0	60.7	3.7
	Chinese	1085.0	71.6	1516.0	69.3	2.3
	Other	2835.0	73.4	3862.0	70.5	2.9
	Other Asian	3024.0	74.6	4056.0	72.1	2.5
	British or Mixed British	682955.0	93.0	734003.0	91.3	1.7
	Indian or British Indian	11431.0	83.4	13710.0	80.7	2.7
	Irish	7182.0	89.4	8034.0	87.5	1.9
	Other Black	707.0	60.1	1177.0	56.5	3.6
	Other White	33579.0	85.9	39079.0	84.2	1.7
	Other mixed	609.0	75.0	812.0	73.3	1.7
	Pakistani or British Pakistani	4452.0	62.9	7077.0	58.8	4.1
	Unknown	287182.0	89.9	319517.0	87.9	2.0
	White + Asian	364.0	80.2	454.0	78.6	1.6
	White + Black African	210.0	60.2	349.0	56.2	4.0
	White + Black Caribbean	749.0	67.8	1105.0	64.6	3.2
Index of Multiple Deprivation (quintiles)	1 Most deprived	127386.0	85.3	149326.0	82.6	2.7
	2	170835.0	88.8	192329.0	86.8	2.0
	3	233730.0	91.5	255332.0	89.7	1.8
	4	244377.0	92.7	263562.0	91.0	1.7
	5 Least deprived	247947.0	93.9	264094.0	92.4	1.5
	Unknown	18277.0	90.8	20121.0	89.3	1.5
BMI	30+	183883.0	92.4	199047.0	90.4	2.0
	under 30	858662.0	90.8	945717.0	89.0	1.8
Chronic cardiac disease	no	729344.0	90.8	803659.0	89.0	1.8
	yes	313194.0	91.8	341105.0	89.7	2.1
Current COPD	no	932848.0	91.0	1024961.0	89.2	1.8
	yes	109690.0	91.6	119803.0	89.4	2.2

		Vaccinated at 11 Feb (n)	Vaccinated at 11 Feb (%)	Total eligible	vaccinated at 2021-02-04 (percent)	Vaccinated over last 7d (%)
Category	Group					
Dialysis	no	1040634.0	91.1	1142644.0	89.2	1.9
	yes	1904.0	89.8	2120.0	87.5	2.3
DMARDs	no	1009715.0	91.0	1109523.0	89.1	1.9
	yes	32823.0	93.1	35241.0	91.4	1.7
Dementia	no	958671.0	91.4	1049178.0	89.6	1.8
	yes	83874.0	87.7	95586.0	84.7	3.0
Psychosis, schizophrenia, or bipolar	no	1035174.0	91.1	1135917.0	89.3	1.8
	yes	7371.0	83.3	8847.0	80.0	3.3
Intellectual disability incl Down syndrome	no	1041313.0	91.1	1143338.0	89.2	1.9
	yes	1232.0	86.4	1426.0	82.5	3.9
SSRI (last 12 months)	no	978222.0	91.0	1074721.0	89.2	1.8
	yes	64316.0	91.8	70043.0	89.5	2.3
Chemo or radiotherapy	no	1006789.0	91.0	1106397.0	89.1	1.9
	yes	35756.0	93.2	38367.0	91.6	1.6
Cancer (lung)	no	1035517.0	91.1	1137078.0	89.2	1.9
	yes	7021.0	91.3	7686.0	89.1	2.2
Cancer (excluding lung/haem)	no	853244.0	90.7	941209.0	88.8	1.9
	yes	189301.0	93.0	203555.0	91.3	1.7
Cancer (haematological)	no	1023183.0	91.0	1123830.0	89.2	1.8
	yes	19362.0	92.5	20934.0	90.7	1.8

**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, Intellectual disability incl Down syndrome, or Dementia.

**Cumulative vaccination figures among 70-79 population**

Please refer to footnotes below table for information.

		Vaccinated at 11 Feb (n)	Vaccinated at 11 Feb (%)	Total eligible	vaccinated at 2021-02-04 (percent)	Vaccinated over last 7d (%)
Category	Group					
overall	overall	1761318.0	84.9	2074087.0	65.3	19.6
Sex	F	923608.0	85.0	1086274.0	65.7	19.3
	M	837704.0	84.8	987806.0	64.9	19.9
ageband 5yr	70-74	969766.0	80.6	1203108.0	50.7	29.9
	75-79	791546.0	90.9	870972.0	85.5	5.4
Ethnicity (broad categories)	Black	7420.0	55.0	13498.0	45.5	9.5
	Mixed	3752.0	67.5	5560.0	55.0	12.5
	Other	8428.0	65.9	12789.0	54.4	11.5
	South Asian	36897.0	73.1	50451.0	61.5	11.6
	Unknown	379736.0	83.4	455481.0	63.3	20.1
ethnicity 16 groups	White	1325086.0	86.3	1536301.0	66.3	20.0
	African	2457.0	48.9	5026.0	40.5	8.4
	Bangladeshi or British Bangladeshi	1050.0	64.0	1641.0	53.7	10.3
	Caribbean	3696.0	58.9	6270.0	49.3	9.6
	Chinese	2296.0	64.2	3578.0	50.1	14.1
	Other	6118.0	66.7	9177.0	56.1	10.6
	Other Asian	7301.0	70.8	10305.0	59.3	11.5
	British or Mixed British	1252895.0	86.8	1444087.0	66.6	20.2
	Indian or British Indian	22120.0	79.6	27776.0	67.4	12.2
	Irish	11263.0	84.6	13311.0	71.0	13.6
	Other Black	1260.0	57.5	2190.0	46.3	11.2
	Other White	59437.0	77.3	76884.0	62.4	14.9
	Other mixed	1358.0	68.2	1990.0	54.9	13.3
	Pakistani or British Pakistani	6412.0	60.1	10676.0	49.6	10.5
	Unknown	381262.0	83.3	457612.0	63.2	20.1
	White + Asian	903.0	76.0	1188.0	63.0	13.0
	White + Black African	616.0	61.4	1004.0	48.1	13.3
	White + Black Caribbean	868.0	63.6	1365.0	53.3	10.3
Index of Multiple Deprivation (quintiles)	1 Most deprived	216559.0	78.8	274989.0	61.2	17.6
	2	290892.0	82.4	352876.0	63.5	18.9
	3	391979.0	84.9	461651.0	64.5	20.4
	4	413686.0	86.7	477013.0	66.7	20.0
	5 Least deprived	416486.0	88.7	469623.0	68.5	20.2
	Unknown	31710.0	83.6	37928.0	65.2	18.4
BMI	30+	440440.0	85.8	513270.0	65.5	20.3
	under 30	1320872.0	84.6	1560810.0	65.3	19.3
Chronic cardiac disease	no	1441132.0	84.6	1704450.0	64.5	20.1
	yes	320180.0	86.6	369630.0	69.2	17.4
Current COPD	no	1592206.0	84.8	1876840.0	65.0	19.8
	yes	169106.0	85.7	197240.0	68.5	17.2
Dialysis	no	1757861.0	84.9	2069999.0	65.3	19.6

		Vaccinated at 11 Feb (n)	Vaccinated at 11 Feb (%)	Total eligible	vaccinated at 2021-02-04 (percent)	Vaccinated over last 7d (%)
Category	Group					
	yes	3451.0	84.6	4081.0	69.3	15.3
DMARDs	no	1697934.0	84.8	2002008.0	65.2	19.6
	yes	63378.0	87.9	72072.0	70.1	17.8
Dementia	no	1725451.0	85.0	2030899.0	65.2	19.8
	yes	35868.0	83.1	43181.0	69.4	13.7
Psychosis, schizophrenia, or bipolar	no	1746080.0	85.0	2053420.0	65.4	19.6
	yes	15232.0	73.7	20660.0	55.7	18.0
Intellectual disability incl Down syndrome	no	1757525.0	85.0	2068671.0	65.4	19.6
	yes	3794.0	70.1	5409.0	50.0	20.1
SSRI (last 12 months)	no	1628942.0	84.9	1919232.0	65.3	19.6
	yes	132370.0	85.5	154848.0	65.0	20.5
Chemo or radiotherapy	no	1700867.0	84.8	2004890.0	65.2	19.6
	yes	60445.0	87.4	69190.0	69.4	18.0
Cancer (lung)	no	1750686.0	84.9	2061451.0	65.3	19.6
	yes	10626.0	84.1	12629.0	68.5	15.6
Cancer (excluding lung/haem)	no	1511258.0	84.5	1789476.0	64.6	19.9
	yes	250061.0	87.9	284604.0	69.9	18.0
Cancer (haematological)	no	1734733.0	84.9	2043814.0	65.2	19.7
	yes	26579.0	87.8	30266.0	71.9	15.9

**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, Intellectual disability incl Down syndrome, or Dementia.

## Cumulative vaccination figures among care home population

Please refer to footnotes below table for information.

		Vaccinated at 11 Feb (n)	Vaccinated at 11 Feb (%)	Total eligible	vaccinated at 2021-02-04 (percent)	Vaccinated over last 7d (%)
Category	Group					
<b>overall</b>	<b>overall</b>	71600.0	87.0	82300.0	84.8	2.2
<b>Sex</b>	<b>F</b>	51527.0	88.1	58501.0	86.0	2.1
	<b>M</b>	20076.0	84.4	23799.0	81.7	2.7
<b>ageband 5yr</b>	<b>65-69</b>	3080.0	67.9	4534.0	63.6	4.3
	<b>70-74</b>	5523.0	79.7	6929.0	73.6	6.1
	<b>75-79</b>	8036.0	85.8	9365.0	83.3	2.5
	<b>80-84</b>	12495.0	88.6	14107.0	86.9	1.7
	<b>85-89</b>	16996.0	89.1	19077.0	87.4	1.7
	<b>90+</b>	25466.0	90.0	28287.0	88.5	1.5
<b>Ethnicity (broad categories)</b>	<b>Black</b>	294.0	70.0	420.0	68.3	1.7
	<b>Mixed</b>	133.0	78.7	169.0	74.6	4.1
	<b>Other</b>	238.0	84.4	282.0	79.4	5.0
	<b>South Asian</b>	476.0	78.5	606.0	75.1	3.4
	<b>Unknown</b>	15302.0	87.5	17490.0	85.5	2.0
	<b>White</b>	55160.0	87.1	63333.0	84.8	2.3
<b>Dementia</b>	<b>no</b>	31668.0	84.0	37708.0	80.9	3.1
	<b>yes</b>	39935.0	89.6	44592.0	88.0	1.6

**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 population**

Please refer to footnotes below table for information.

		Vaccinated at 11 Feb (n)	Vaccinated at 11 Feb (%)	Total eligible	vaccinated at 2021-02- 04 (percent)	Vaccinated over last 7d (%)
Category	Group					
<b>overall</b>	<b>overall</b>	324139.0	65.0	499032.0	36.4	28.6
<b>Sex</b>	<b>F</b>	176512.0	65.1	271205.0	37.5	27.6
	<b>M</b>	147623.0	64.8	227822.0	35.1	29.7
<b>Age band</b>	<b>16-29</b>	19614.0	50.1	39184.0	27.4	22.7
	<b>30-39</b>	28462.0	56.2	50658.0	32.0	24.2
	<b>40-49</b>	47453.0	62.8	75600.0	35.9	26.9
	<b>50-59</b>	95249.0	66.4	143499.0	37.2	29.2
	<b>60-69</b>	133357.0	70.2	190086.0	39.1	31.1
<b>Ethnicity (broad categories)</b>	<b>Black</b>	5579.0	38.6	14465.0	25.1	13.5
	<b>Mixed</b>	2583.0	48.3	5346.0	29.6	18.7
	<b>Other</b>	3003.0	52.9	5673.0	34.7	18.2
	<b>South Asian</b>	17374.0	55.1	31528.0	35.0	20.1
	<b>Unknown</b>	65016.0	66.2	98205.0	36.0	30.2
	<b>White</b>	230573.0	67.1	343810.0	37.3	29.8
<b>Index of Multiple Deprivation (quintiles)</b>	<b>1 Most deprived</b>	68194.0	55.6	122598.0	30.7	24.9
	<b>2</b>	66850.0	62.4	107070.0	35.1	27.3
	<b>3</b>	68250.0	67.6	100946.0	38.1	29.5
	<b>4</b>	61103.0	71.1	85902.0	40.3	30.8
	<b>5 Least deprived</b>	52633.0	74.1	71042.0	41.5	32.6
	<b>Unknown</b>	7098.0	61.9	11469.0	34.7	27.2

**Footnotes:**

- Patient counts rounded to the nearest 7
- Population excludes those known to live in an elderly care home, based upon clinical coding.

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

Please refer to footnotes below table for information.

		Vaccinated at 11 Feb (n)	vaccinated at 2021-02-04	Vaccinated over last 7d (n)	Increase in coverage over last 7d (%)
Category	Group				
overall	overall	1434865.0	1207029.0	227836.0	18.9
Sex	F	1011633.0	880159.0	131474.0	14.9
	M	423220.0	326858.0	96362.0	29.5
Age band	16-29	198534.0	181825.0	16709.0	9.2
	30-39	244314.0	225344.0	18970.0	8.4
	40-49	284046.0	260834.0	23212.0	8.9
	50-59	355138.0	322917.0	32221.0	10.0
	60-69	352814.0	216097.0	136717.0	63.3
Ethnicity (broad categories)	Black	31787.0	27349.0	4438.0	16.2
	Mixed	15386.0	13517.0	1869.0	13.8
	Other	22176.0	19306.0	2870.0	14.9
	South Asian	100352.0	85022.0	15330.0	18.0
	Unknown	306222.0	260715.0	45507.0	17.5
ethnicity 16 groups	White	958930.0	801101.0	157829.0	19.7
	African	21154.0	18445.0	2709.0	14.7
	Bangladeshi or British Bangladeshi	3983.0	3220.0	763.0	23.7
	Caribbean	5054.0	4158.0	896.0	21.5
	Chinese	4718.0	4039.0	679.0	16.8
	Other	17388.0	15225.0	2163.0	14.2
	Other Asian	26369.0	23296.0	3073.0	13.2
	British or Mixed British	879263.0	734034.0	145229.0	19.8
	Indian or British Indian	51758.0	43729.0	8029.0	18.4
	Irish	7329.0	5950.0	1379.0	23.2
	Other Black	5544.0	4732.0	812.0	17.2
	Other White	71512.0	60599.0	10913.0	18.0
	Other mixed	4991.0	4382.0	609.0	13.9
	Pakistani or British Pakistani	18130.0	14700.0	3430.0	23.3
	Unknown	307279.0	261387.0	45892.0	17.6
	White + Asian	3724.0	3367.0	357.0	10.6
	White + Black African	3724.0	3241.0	483.0	14.9
	White + Black Caribbean	2919.0	2520.0	399.0	15.8
Index of Multiple Deprivation (quintiles)	1 Most deprived	232253.0	196637.0	35616.0	18.1
	2	272181.0	230181.0	42000.0	18.2
	3	308378.0	258888.0	49490.0	19.1
	4	301595.0	252651.0	48944.0	19.4
	5 Least deprived	283528.0	236873.0	46655.0	19.7
	Unknown	36918.0	31787.0	5131.0	16.1
BMI	30+	332787.0	273098.0	59689.0	21.9
	under 30	1102059.0	933912.0	168147.0	18.0
Chronic cardiac disease	no	1379896.0	1170225.0	209671.0	17.9
	yes	54957.0	36792.0	18165.0	49.4
Current COPD	no	1414161.0	1193591.0	220570.0	18.5
	yes	20685.0	13426.0	7259.0	54.1



		Vaccinated at 11 Feb (n)	vaccinated at 2021-02-04	Vaccinated over last 7 d (n)	Increase in coverage over last 7 d (%)
Category	Group				
DMARDs	no	1414371.0	1191631.0	222740.0	18.7
	yes	20475.0	15379.0	5096.0	33.1
SSRI (last 12 months)	no	1226099.0	1024373.0	201726.0	19.7
	yes	208754.0	182644.0	26110.0	14.3

**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, Intellectual disability incl Down syndrome, or Dementia.