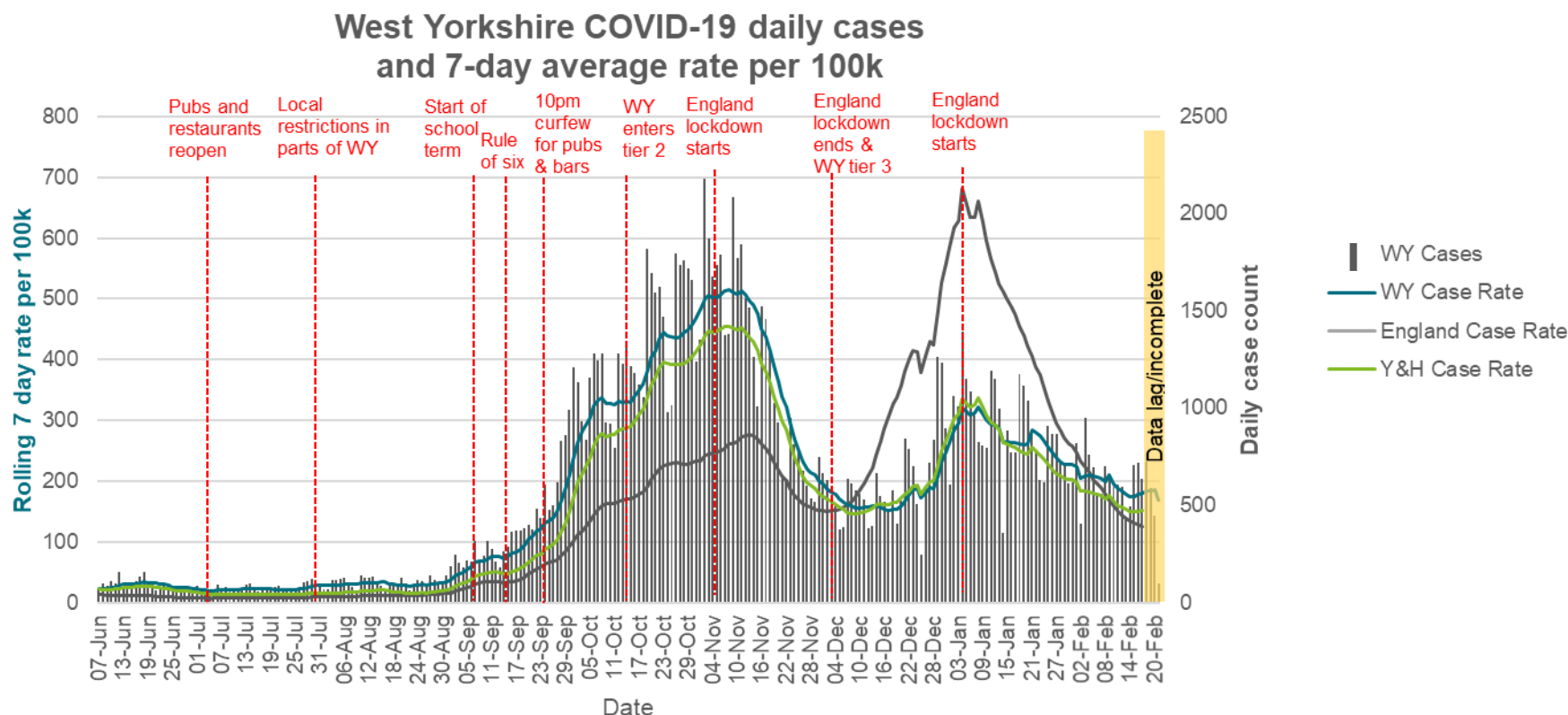


# **COVID-19 Update**

Research & Intelligence  
24<sup>th</sup> February 2021

# Virus prevalence – West Yorkshire trend











The chart above reveals the trend in the number of daily COVID-19 cases in West Yorkshire and the 7-day rolling rate per 100k population. As of the 17<sup>th</sup> Feb 2021, the 7-day moving average **West Yorkshire COVID-19 rate was 179.4 cases per 100k (4,185 new cases), down from 194.4 per 100k the week before (4,535 new cases)**. West Yorkshire rate is above the Yorkshire and the Humber rate and England rates (151.3 and 125.1 per 100k respectively). For the latest data please see the [West Yorkshire COVID-19 dashboard](#).

Source: Secure COVID-19 PHE data portal. Note there is a lag in the very latest data PHE COVID-19 data to account for all test results to be processed and recorded.

# Virus prevalence – West Yorkshire

Table shows the most recent COVID-19 case data from Public Health England's (PHE) secure data portal. Note due to reporting delays for comparison between Local Authorities the most recent 4 days are excluded from the calculations of rates and moving averages.

Area	Total cases per 100k people (11 – 17 Feb) Most recent data week	Total cases per 100k people (4 – 10 Feb) Previous week	Absolute Difference
Bradford	199.3	222.3	-23 
Calderdale	178.3	208.1	-29.8 
Kirklees	179.9	188.7	-8.9 
Leeds	163.8	177.4	-13.6 
Wakefield	184.3	188.9	-4.6 
West Yorkshire	179.4	194.4	-15 
Yorkshire & the Humber	151.3	166.1	-14.8 
England	125.5	158.4	-32.9 

# Virus prevalence – Regional

Testing rate, positivity, incidence rate (with age breakdowns) confirmed cases and proportion of new variant in 7-day period 11 - 17 Feb 2021, in comparison to previous 7-day period.

Highest

Lowest

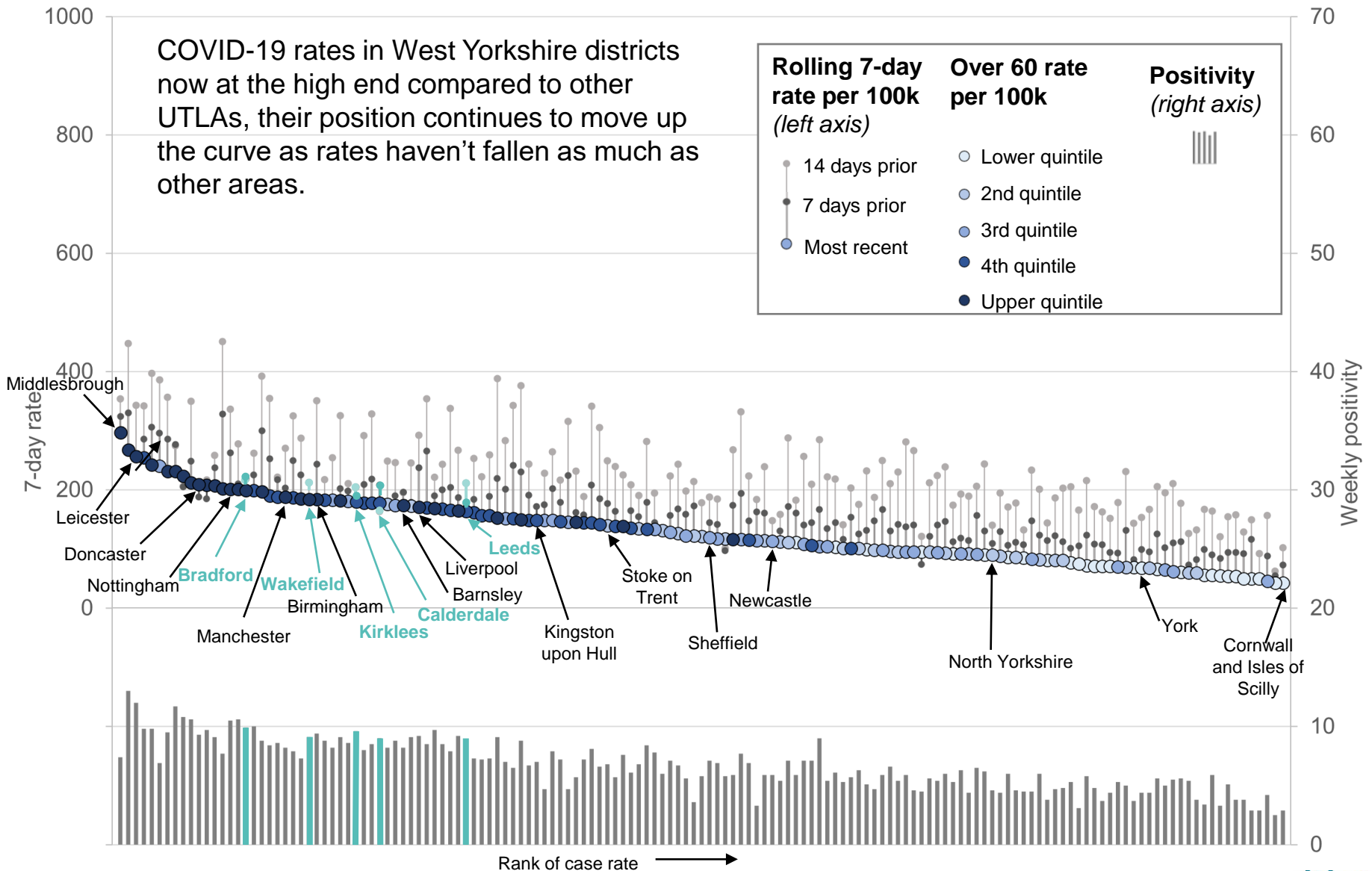
Area	Individuals tested per day per 100,000 population		Percentage individuals test positive		Case rate per 100,000 population		Case rate per 100,000 population aged 60 years and over		Case rate per 100,000 population aged 17-21 year olds		Confirmed cases in previous 7 days	% with new variant
	7-day moving average	7-day change. %	7-day moving average	7-day change. %	7-day moving average	7-day change. %	7-day moving average	7-day change. %	7-day moving average	7-day change. %	number of cases in last 7 days	in last 7 days
East Midlands	385.6	-1%	<u>7.3%</u>	-10%	<u>180.0</u>	-10%	116.5	-20%	<u>187.8</u>	-8%	8,707	97.4
East of England	383.8	-4%	4.6%	-22%	106.0	-25%	76.8	-32%	125.8	-16%	6,897	98
London	<u>301.2</u>	-9%	5.3%	-28%	90.6	-35%	82.2	-33%	94.7	-35%	8,123	98.3
North East	402.7	1%	6.2%	-11%	157.1	-13%	103.3	-20%	156.6	-6%	4,194	97.1
North West	392.0	-7%	6.8%	-11%	164.1	-17%	114.1	-22%	171.3	-21%	12,044	97.7
South East	382.6	-9%	3.7%	-21%	84.8	-28%	67.1	-32%	89.6	-28%	7,555	98.2
South West	<u>462.5</u>	-3%	<u>2.7%</u>	-25%	<u>76.9</u>	-27%	<u>51.4</u>	-34%	<u>89.4</u>	-27%	4,327	97.7
West Midlands	391.5	-11%	6.8%	-12%	164.9	-21%	<u>124.3</u>	-20%	178.5	-18%	9,788	97.8
Yorkshire and Humber	361.2	-4%	6.7%	-4%	151.3	-9%	102.9	-9%	152.8	-11%	8,328	96.6
England	<b>389.1</b>	-6%	<b>5.3%</b>	-16%	<b>125.1</b>	-21%	<b>90.8</b>	-25%	<b>135.1</b>	-20%	<b>70,422</b>	<b>97.5</b>

COVID-19 rates are continuing to fall, but the rate of decline is slower in Yorkshire and the Humber compared to other regions (-9% in the last week compared to -21% in England).

# COVID-19 Rates for Upper Tier Local Authorities

7-day average COVID-19 rate per 100k population, change compared to the previous week, over 60 rate & positivity

COVID-19 rates in West Yorkshire districts now at the high end compared to other UTLAs, their position continues to move up the curve as rates haven't fallen as much as other areas.



Blue points show latest COVID-19 case rate per 100k across UTLAs as of the 17th February (left Y-axis). Vertical bars connected to these points denote rate last week (dark grey) and the week before (light grey). Point colour denotes the COVID-19 rate per 100k in the over 60s. Grey bars at the bottom denote positivity (%) up to the 17th Feb (right Y-axis).

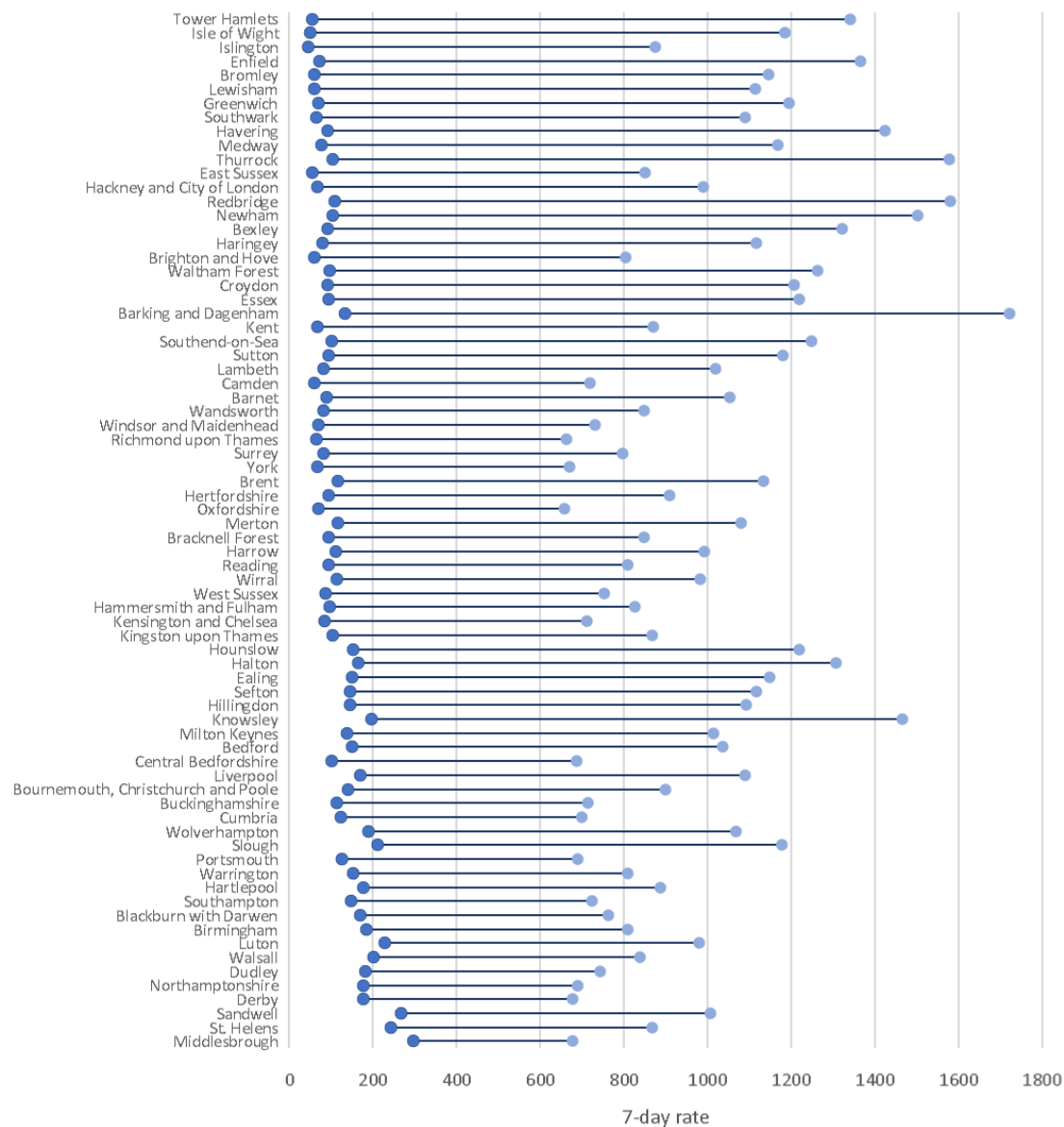
# COVID-19 Rate falls from peak (UTLAs with peak over 646)

7-day average COVID-19 rate per 100k population 17th Feb 2021 with wave 3 peak.

96% fall

Ranked by percentage fall in rate from peak

56% fall



Rolling 7-day  
rate per 100k

Wave 3 max

Most recent

Chart covers 2 pages,  
page 1 of 2.

Dark blue points show the COVID-19 case rate per 100k across UTLAs as of the 17th February 2021. Horizontal bars with light blue points connected to these points denote maximum rate from wave 3.

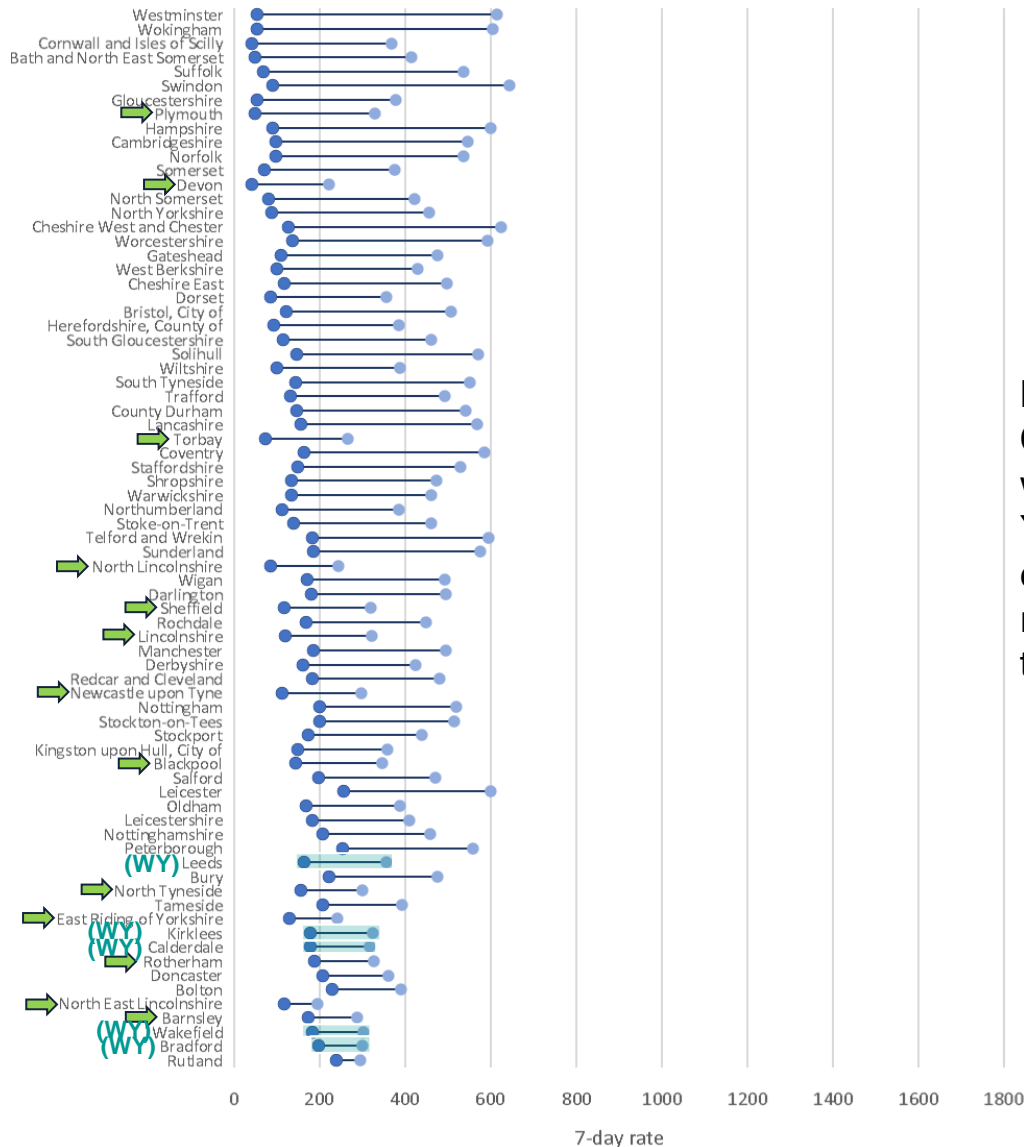
# COVID-19 Rate falls from peak (UTLAs with peak below 646)

7-day average COVID-19 rate per 100k population 17th Feb 2021 with wave 3 peak.

91% fall

Ranked by percentage fall in rate from peak

19% fall



Rolling 7-day  
rate per 100k

Wave 3 max

Most recent

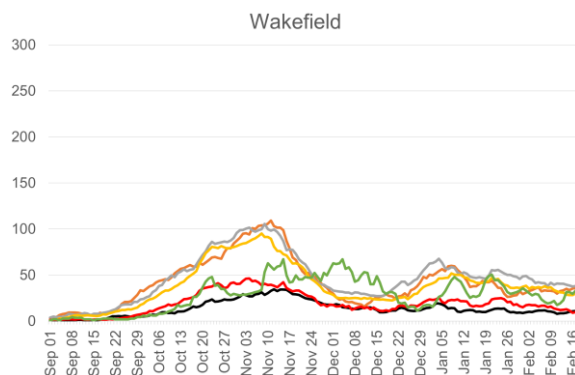
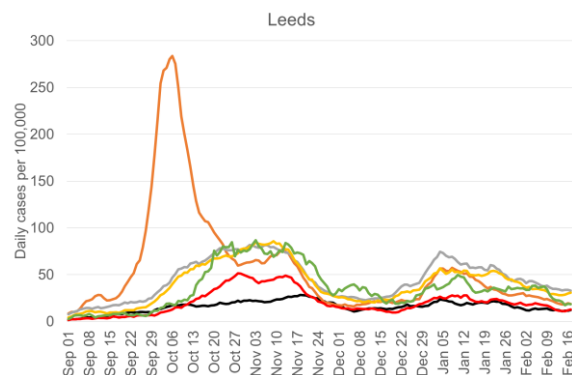
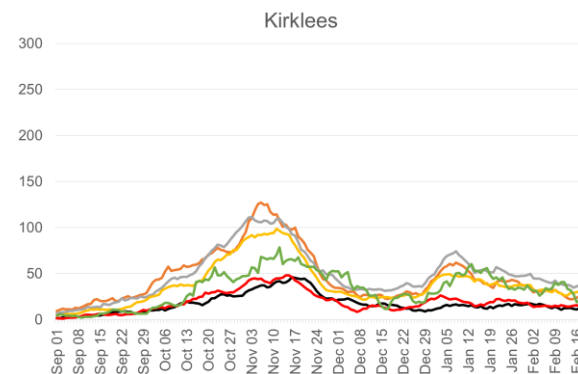
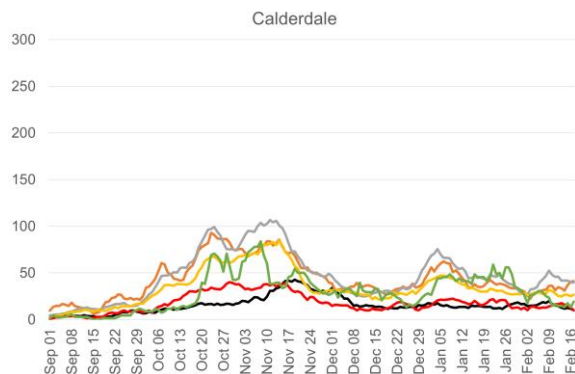
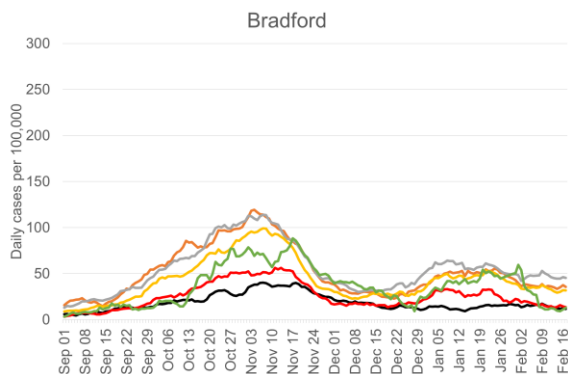
Looking at the relative fall in COVID-19 rates from the 3<sup>rd</sup> wave peak to now, all West Yorkshire districts are at the low end of the scale (i.e. their relative % case rate fall is less than a lot of other areas).

Chart covers 2 pages,  
page 2 of 2.



# Infection rates by age groups – WY districts

The charts below illustrate temporal trends in the COVID-19 rate for different age cohorts for districts within West Yorkshire. There is still a mixed picture in all the West Yorkshire districts with rates for some age groups falling and others rising. The over 80s rate has declined faster than the other age groups in some districts which may be a sign of the vaccination rollout working, however, the over 80s rate has risen in Wakefield in the last week.



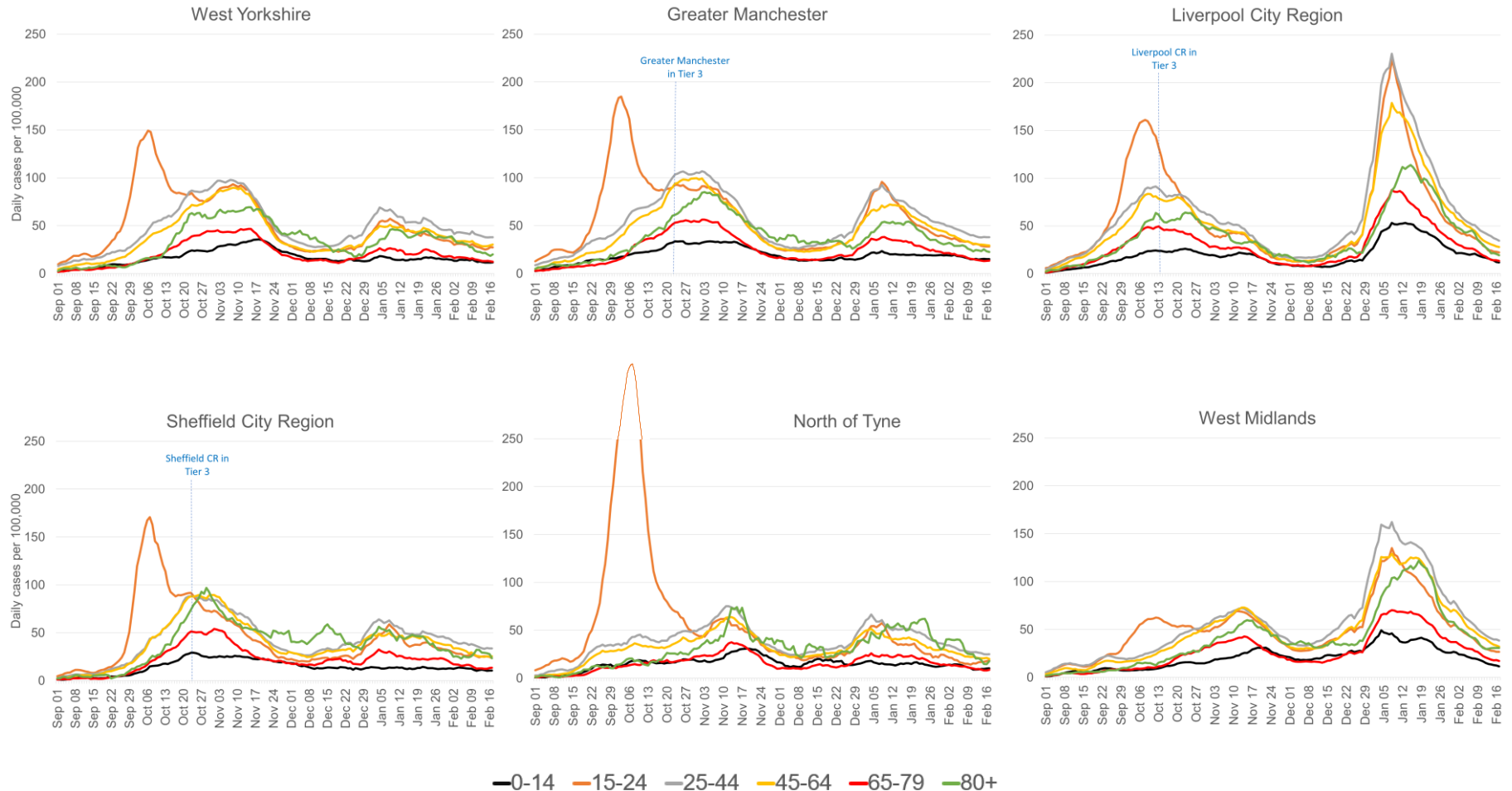
—0-14 —15-24 —25-44 —45-64 —65-79 —80+

*Publicly available HMG/PHE data. Rolling 7-day average daily cases between 1<sup>st</sup> Sep and 17<sup>th</sup> Feb. Note there is a lag in the very latest COVID-19 data to account for all test results to be processed and recorded.*



# Infection rates by age groups – MCA comparison

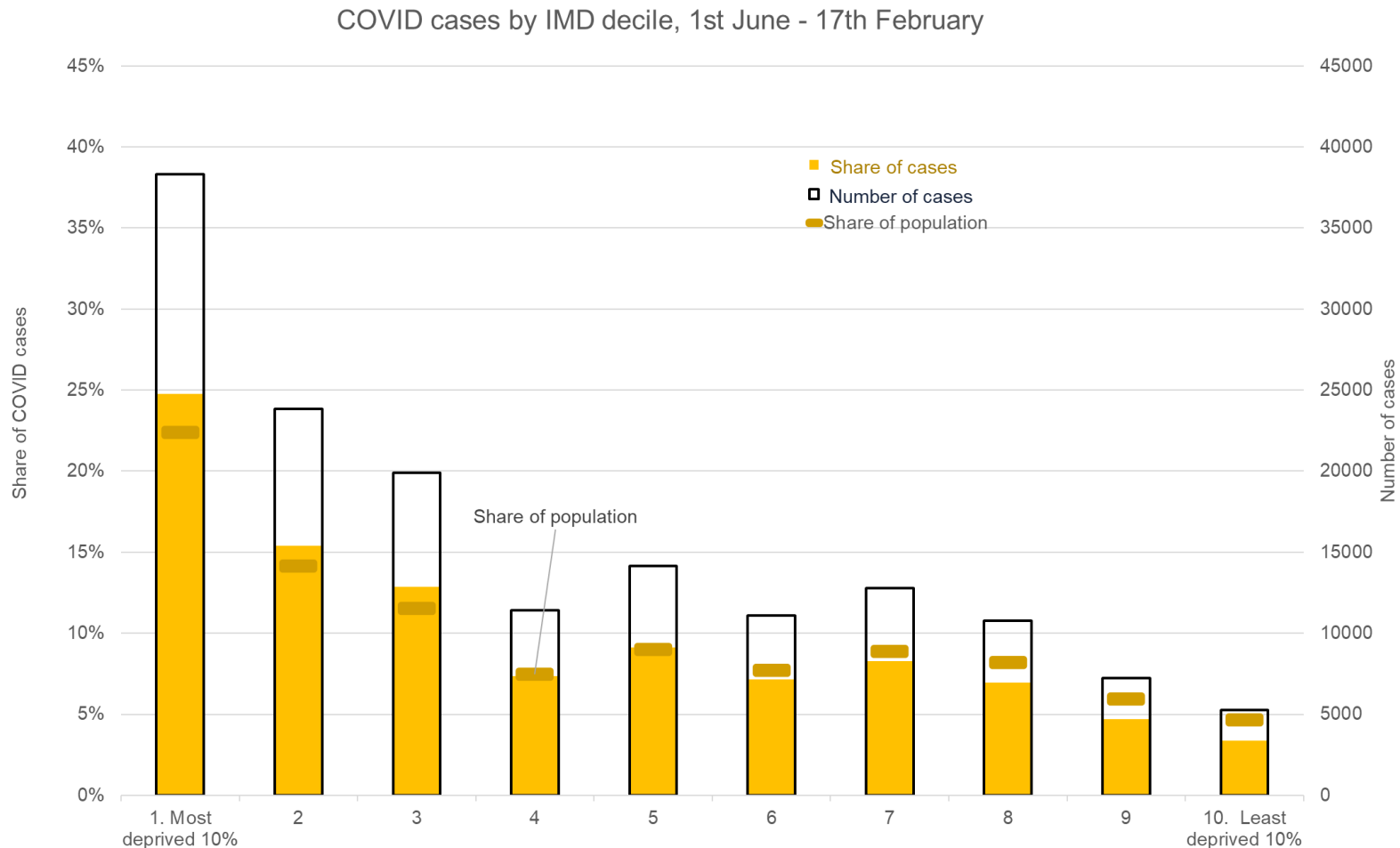
The charts below illustrate temporal trends in the COVID-19 rate for different age cohorts for other MCAs. Cases are falling in most age groups across all the comparator MCAs. The differences between rates for the various age bands are similar across the MCAs, however, the rate amongst over 80s in West Yorkshire and North of Tyne appears to be falling faster than for the other age bands.



Publicly available HMG/PHE data. Rolling 7-day average daily cases between 1st Sep and 17th Feb. Note there is a lag in the very latest COVID-19 data to account for all test results to be processed and recorded.

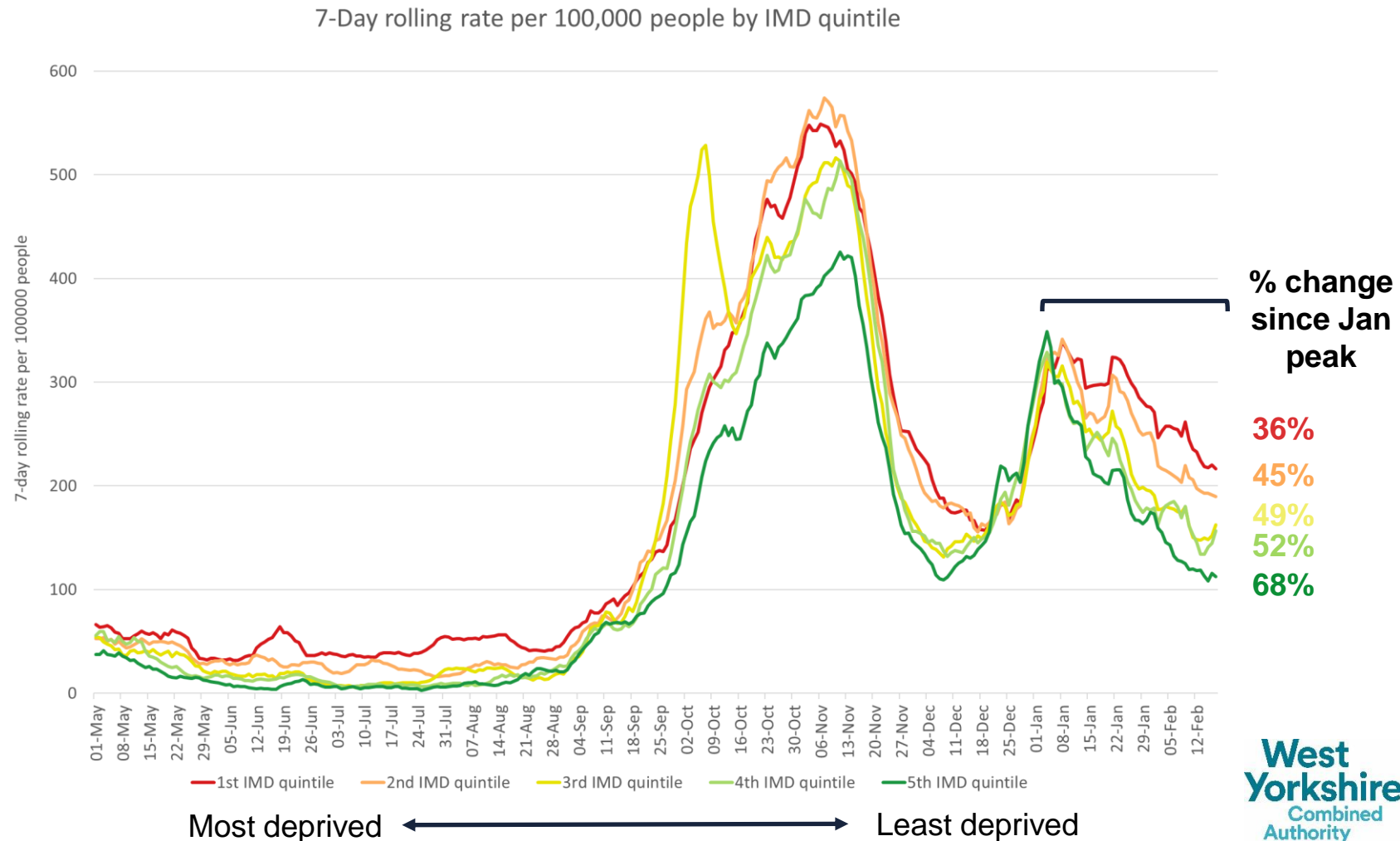
# West Yorkshire virus prevalence – Deprivation time series trend

Within West Yorkshire, the most deprived areas have had a greater proportionate share of COVID-19 cases; since June, 40% of all COVID-19 cases have occurred in people who live in live in areas in the most deprived 20% in England.



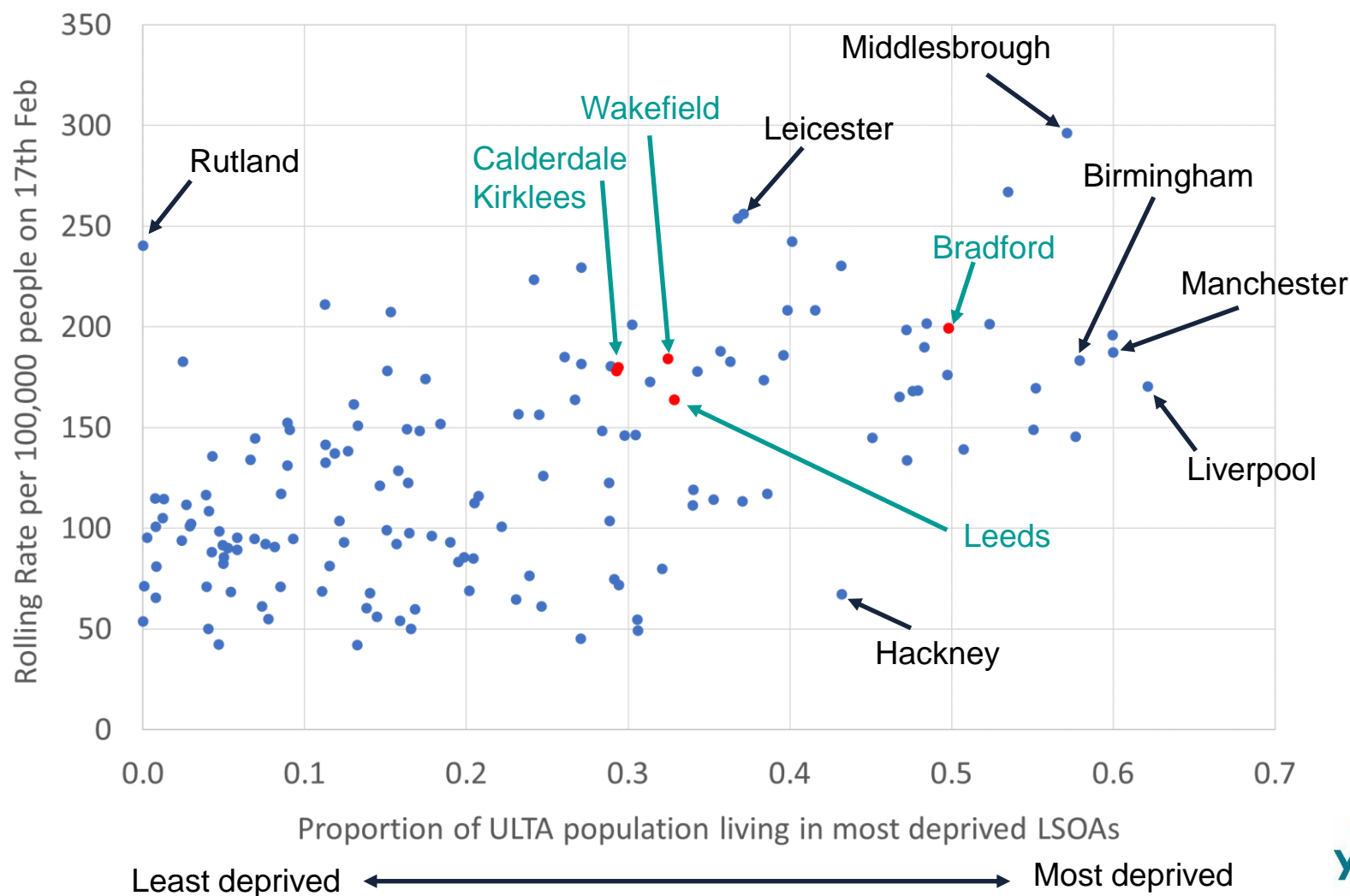
# West Yorkshire virus prevalence – Rates falling more slowly in most deprived areas

Within West Yorkshire, the most deprived areas have almost consistently had the highest case rates. This chart shows the rolling rate per 100k people and reveals that by deprivation quintile, the pace of recovery from the January peak is different compared to the November peak.



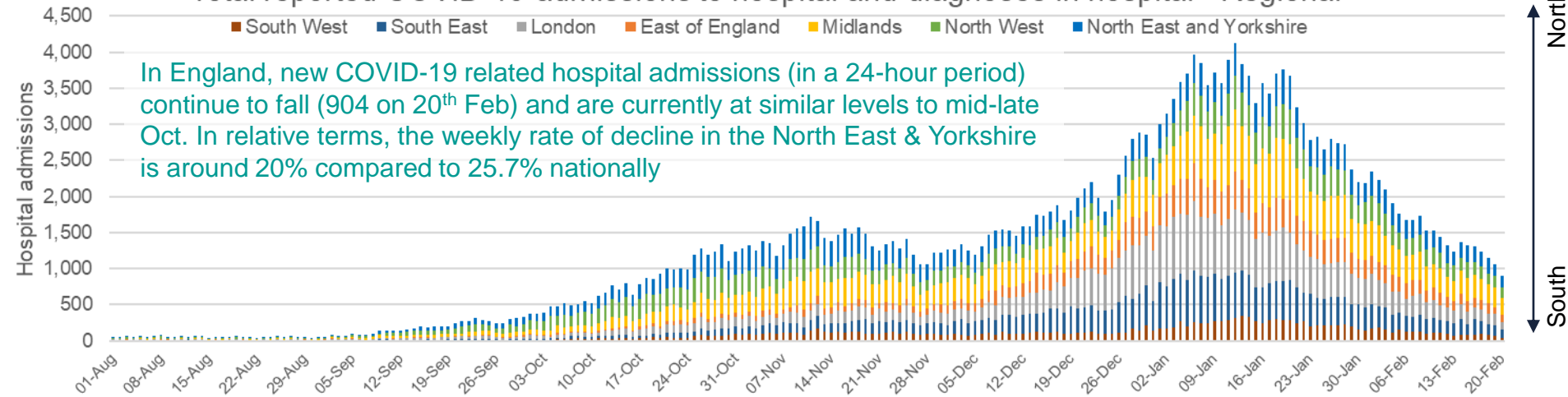
# Current UTLA COVID-19 Rates vs IMD

The residual rates of COVID-19 following the latest peak show a clear relationship to levels of deprivation within UTLAs with those areas with more of their population living in deprived areas showing higher current rates of infection.

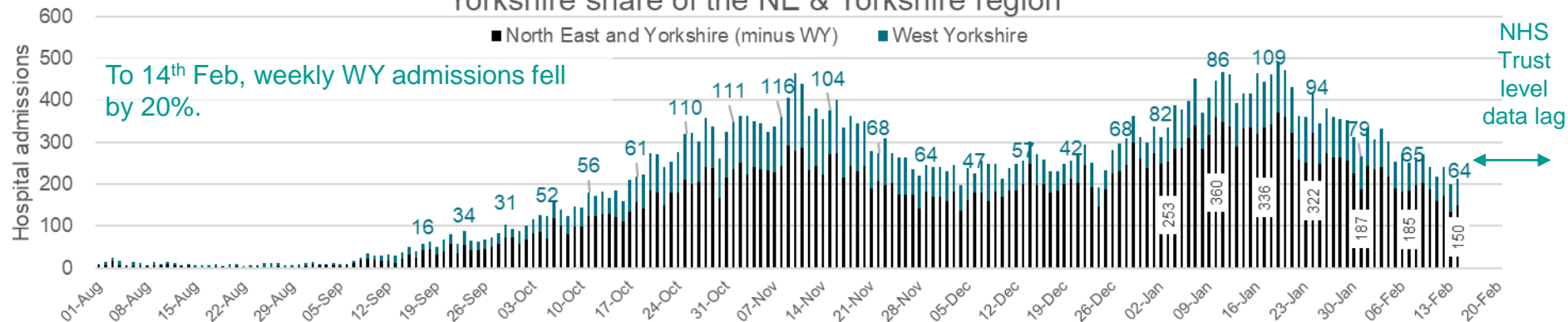


# COVID-19 Daily Hospital Admissions – Regional & WY

Total reported COVID-19 admissions to hospital and diagnoses in hospital - Regional



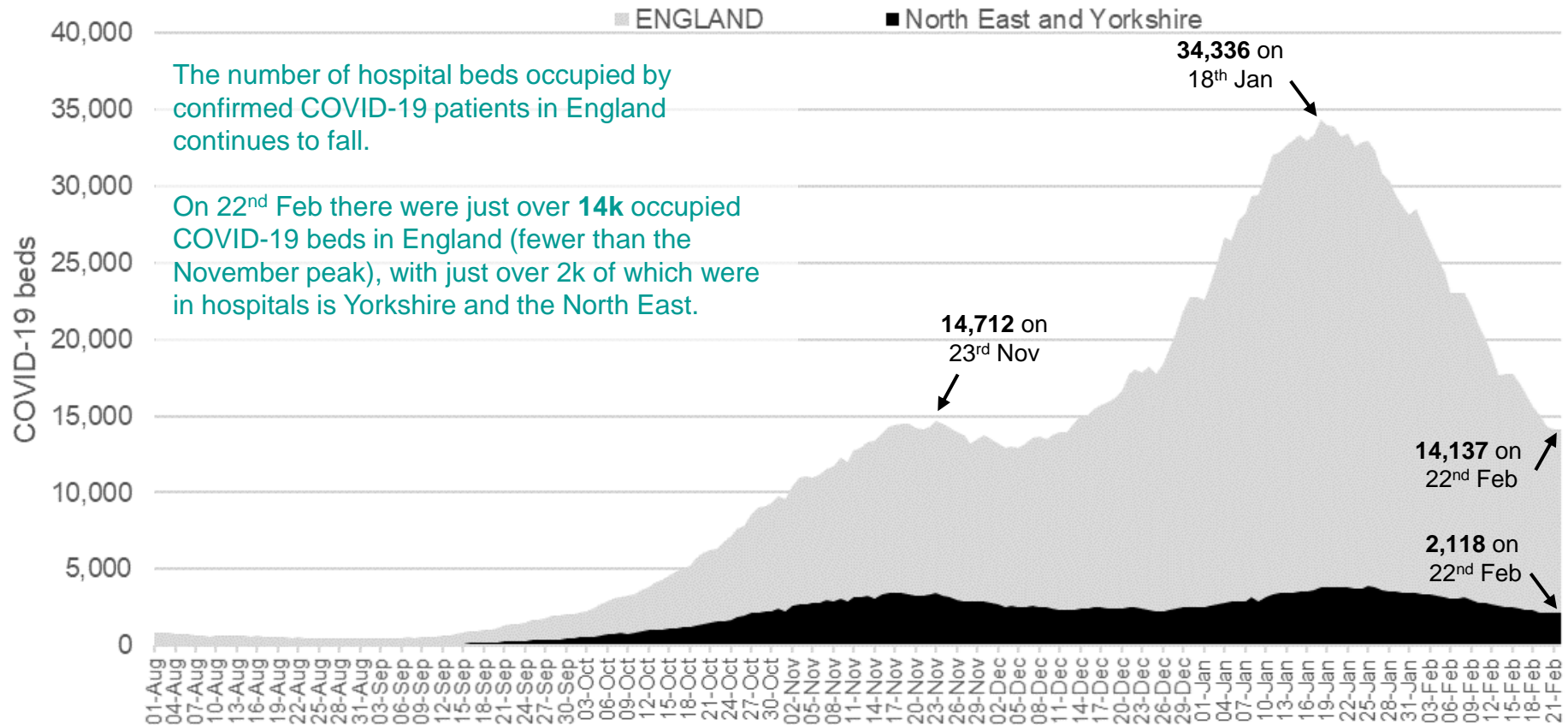
Total reported COVID-19 admissions to hospital and diagnoses in hospital - West Yorkshire share of the NE & Yorkshire region



Source: NHS England - The number of patients admitted in previous 24 hours where patient known to have COVID-19 plus patients diagnosed in hospital with COVID-19 in previous 24 hours. Note NHS Trust level data is updated weekly and regional data is updated daily, hence the WY data lag. Note NHS trusts overlap areas outside of WY. They include Bradford Teaching Hospitals, Airedale, Leeds and York Partnership, Leeds Teaching Hospitals, Calderdale and Huddersfield, Mid Yorkshire and South West Yorkshire Partnership.

# COVID-19 Hospital beds – England

Total hospital beds occupied by COVID-19 patients - England and Yorkshire & NE region

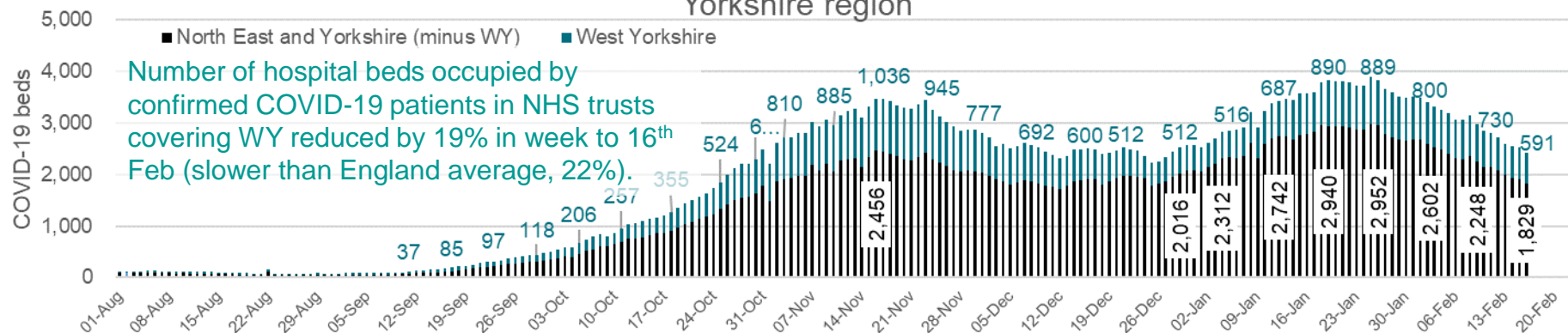


Source: NHS England - The number of hospital beds containing confirmed COVID-19 patients

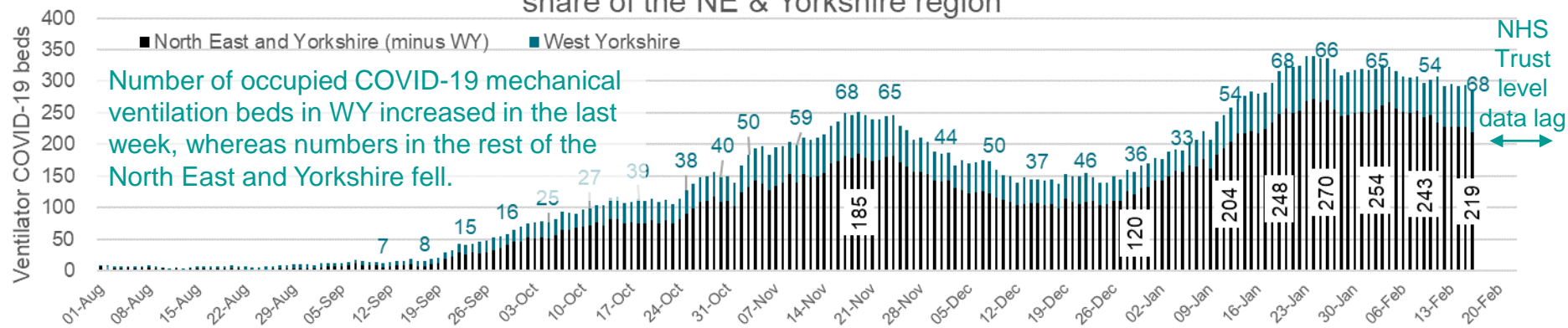


# COVID-19 Hospital beds – Regional & WY

Total hospital beds occupied by COVID-19 patients - West Yorkshire share of the NE & Yorkshire region



Mechanical ventilation beds containing confirmed COVID-19 patients - West Yorkshire share of the NE & Yorkshire region



Source: NHS England - The number of hospital beds and mechanical ventilation beds containing confirmed COVID-19 patients. Note NHS Trust level data is updated weekly and regional data is updated daily, hence the WY data lag. Note NHS trusts overlap areas outside of WY. They include Bradford Teaching Hospitals, Airedale, Leeds and York Partnership, Leeds Teaching Hospitals, Calderdale and Huddersfield, Mid Yorkshire and South West Yorkshire Partnership.



# COVID-19 Vaccinations

As of the 21<sup>st</sup> Feb, 2.3 million people in the North East and Yorkshire been vaccinated with the first dose.

Region of Residence	1st dose	2nd dose	Cumulative Total Doses to Date
<b>Total</b>	14,958,074	513,435	15,471,509
East Of England	1,781,374	63,311	1,844,685
London	1,743,070	66,732	1,809,802
Midlands	2,881,310	77,777	2,959,087
North East And Yorkshire	2,348,997	86,728	2,435,725
North West	1,964,011	70,856	2,034,867
South East	2,437,369	88,452	2,525,821
South West	1,727,972	59,194	1,787,166

As of the 16<sup>th</sup> Feb, 523k people covering CCG's in West Yorkshire had been vaccinated with the first dose.

CCG of Residence	1st dose		2nd dose		Cumulative Total Doses to Date
	Under 70	70+	Under 70	70+	
NHS Bradford District and Craven CCG	58,383	63,231	2,239	3,567	127,420
NHS Calderdale CCG	19,268	25,872	506	922	46,568
NHS Greater Huddersfield CCG	27,027	30,829	706	954	59,516
NHS Leeds CCG	85,521	88,185	3,859	8,835	186,400
NHS North Kirklees CCG	18,295	21,176	328	893	40,692
NHS Wakefield CCG	39,714	46,096	399	898	87,107
<b>Total</b>	<b>248,208</b>	<b>275,389</b>	<b>8,037</b>	<b>16,069</b>	<b>547,703</b>