

# Measles, Mumps and Rubella (MMR) Vaccination Coverage 2022-23

Public Health Intelligence Team  
Office of Chief Executive, Public Health

The Joint Strategic Needs Assessment  
(JSNA) provides information on the current  
and future health and wellbeing needs of  
people in Bradford District visit

<https://jsna.bradford.gov.uk>



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**BRADFORD**  
METROPOLITAN DISTRICT COUNCIL

# What does the data tell us?

MMR for one dose (2 years old)

**5,836 (85.2%)**



children in Bradford received one dose on or after their first birthday (and before their second)

MMR for one dose (5 years old)

**7,154 (92.0%)**

children in Bradford received one dose on or after their first birthday (and before their fifth)

MMR for two doses (5 years old)

**6,499 (83.6%)**



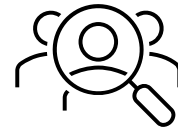
children in Bradford received two doses on or after their first birthday (and before their fifth)

## MMR Vaccination Coverage 2022-23

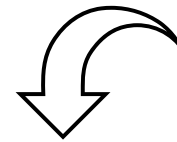


MMR coverage **decreased** in 2022-23 the lowest levels since 2010-11 this is the same trend for England

The MMR 2 vaccination coverage for statistical neighbours ranged from **89.3%** (Dudley) and **75.7%** (Peterborough) – Bradford was the **8<sup>th</sup>** highest



MMR vaccination coverage within England was **below** the 95% target



Bradford's MMR vaccination coverage is **below** Yorkshire and the Humber and England

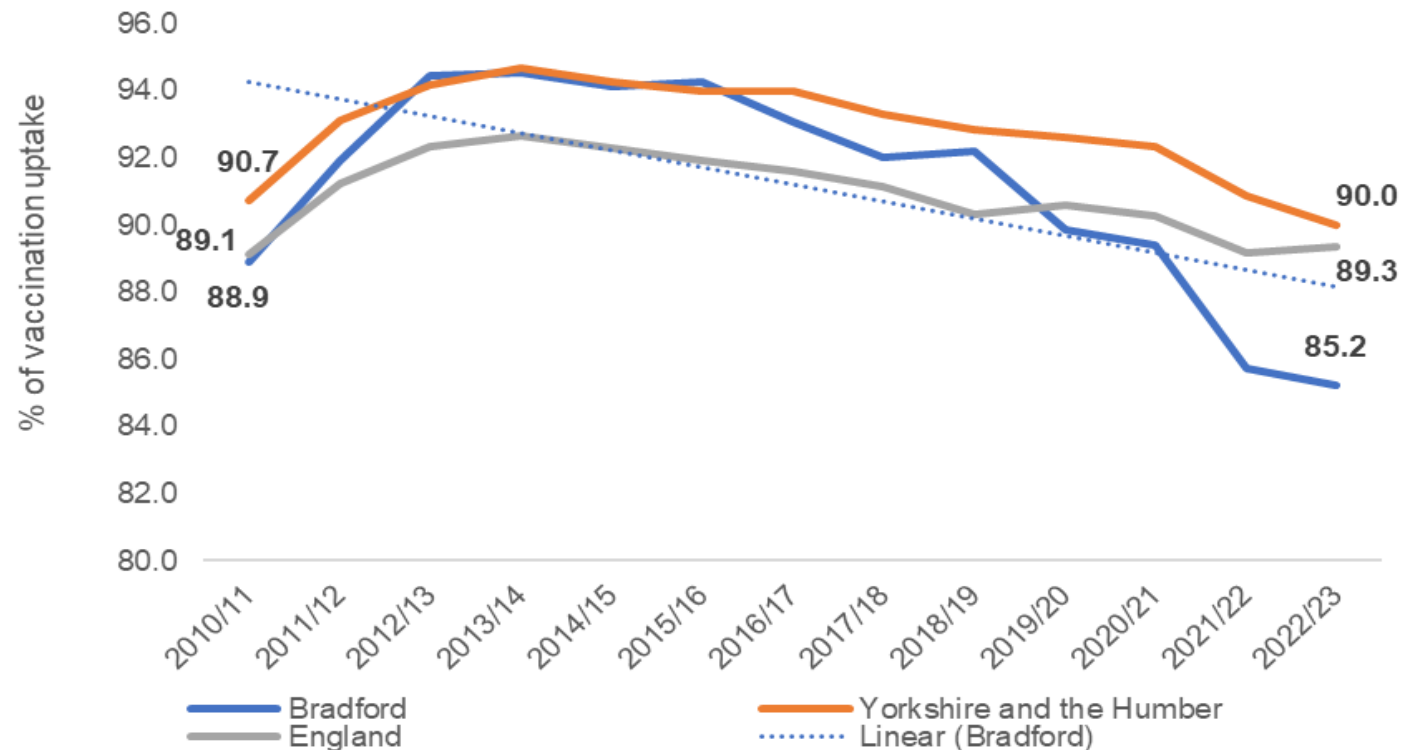
Bradford's MMR vaccination coverage was the **lowest** in Yorkshire and the Humber



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# Population vaccination coverage: MMR for one dose (2 years old)

## Bradford District



There is a national target of 95% coverage. For Bradford, 5,836, 85.2% of children received one dose of MMR on or after their first birthday and at any time before their second birthday compared to England 89.3% and 90.0% in Yorkshire and the Humber.

The range across Upper Tier Local Authorities (UTLA) in England is from 68.1% to 97.3%. Only 8 of the 148 UTLA's met or exceeded the 95% target.

# Population vaccination coverage: MMR for one dose (2 years old)

## Bradford - Benchmarking against national target of 95%

Year	Benchmark against target	Bradford District		Yorkshire and the Humber	England
		Value	Rate %		
2010/11	●	7621	88.9	90.7	89.1
2011/12	●	7860	91.9	93.1	91.2
2012/13	●	7667	94.4	94.2	92.3
2013/14	●	7827	94.6	94.7	92.7
2014/15	●	7695	94.1	94.3	92.3
2015/16	●	7406	94.2	94.0	91.9
2016/17	●	7397	93.1	94.0	91.6
2017/18	●	7253	92.0	93.3	91.2
2018/19	●	6860	92.2	92.8	90.3
2019/20	●	6136	89.9	92.6	90.6
2020/21	●	6616	89.4	92.3	90.3
2021/22	●	6262	85.8	90.9	89.2
2022/23	●	5836	85.2	90.0	89.3

From 2011-12 to 2018-19 the district's vaccination coverage was between 91.9% to 94.6%. This declined from 2018/19 and 2022-23 was the lowest proportion of vaccination coverage for over 10 years.

There is a difference of 9.3 percentage points when comparing 2013-14 (the highest) to 2022-23.

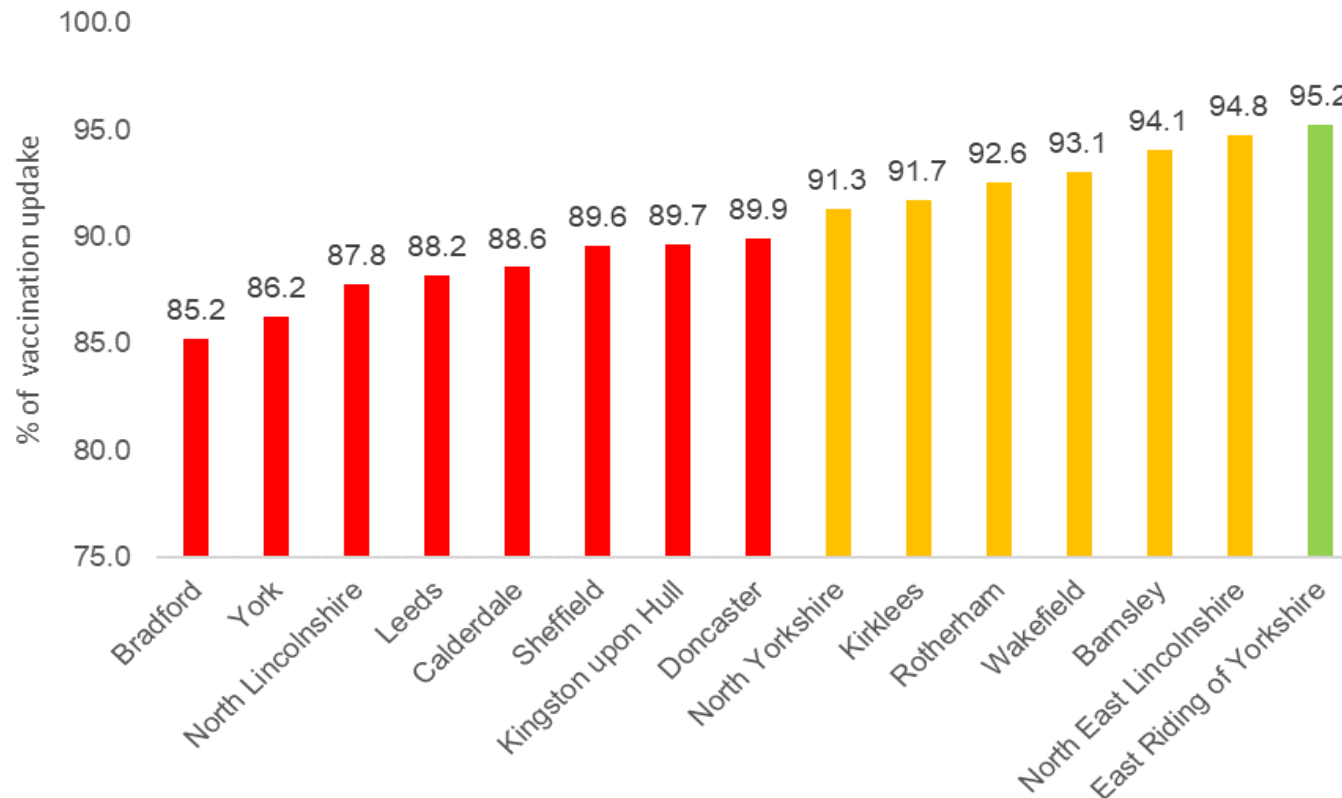


# Population vaccination coverage: MMR for one dose (2 years old)

## Grouped by Local Authorities in Yorkshire and the Humber

Benchmarking against goal

<90%	90% - 95%	≥95%
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The district had the lowest proportion of vaccination coverage when compared to Local Authorities in Yorkshire and the Humber. This range from 85.2% (Bradford) to 95.2% (East Riding of Yorkshire).

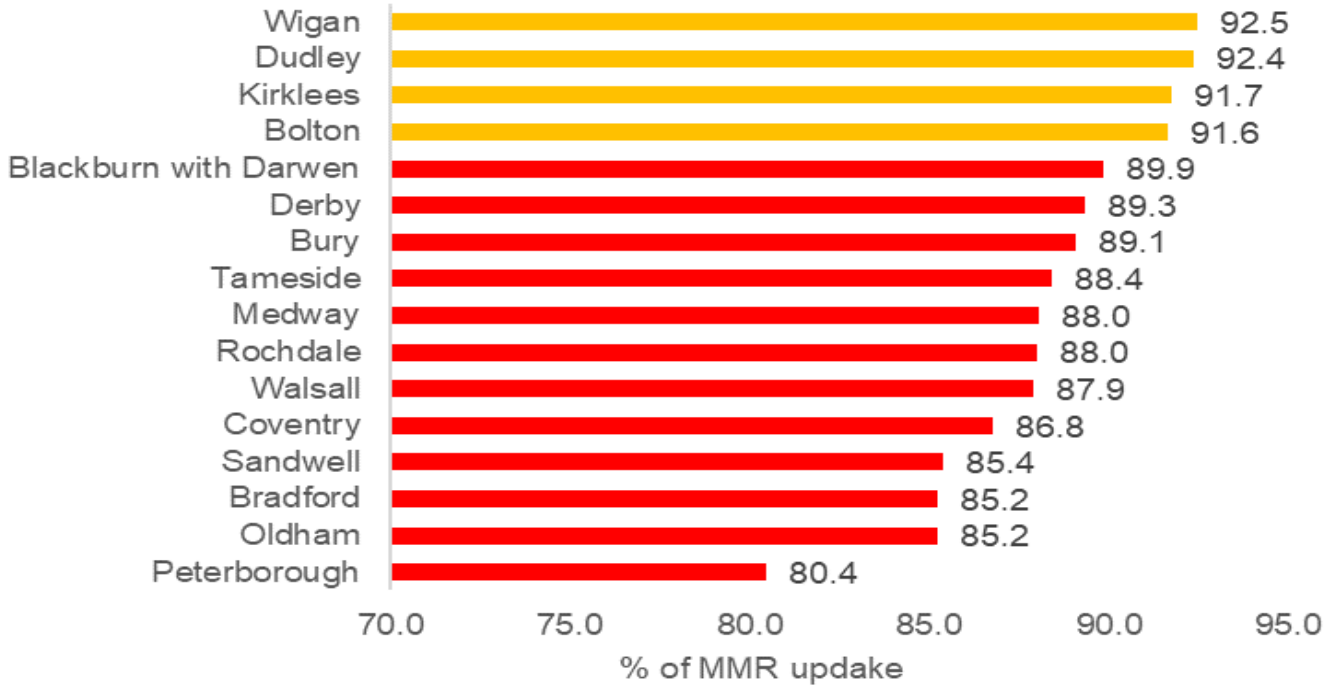
There is a difference of 10.0 percentage points when comparing Bradford to East Riding of Yorkshire.



# Population vaccination coverage: MMR for one dose (2 years old)

## Grouped by Statistical Neighbours

Benchmarking against goal <90% 90% - 95% ≥95%

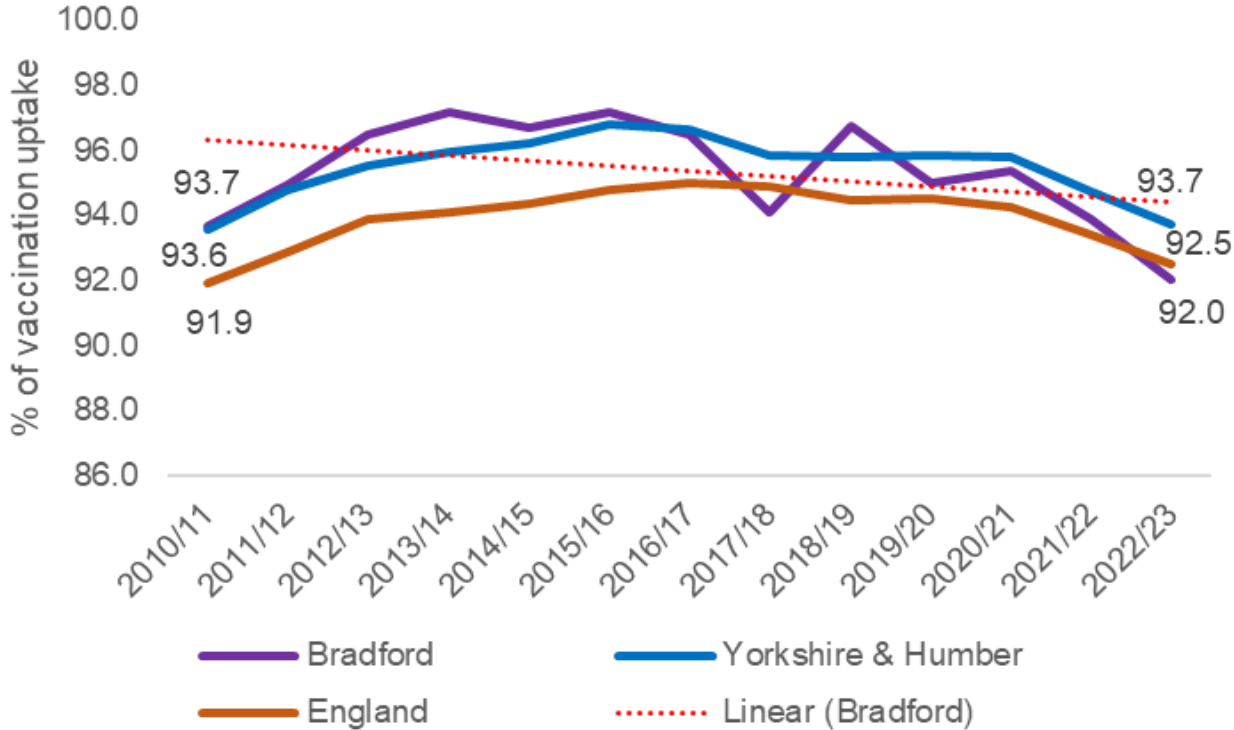


The vaccination coverage for statistical neighbours ranged from 80.4% (Peterborough) to 92.5% (Wigan). None of the Local Authorities met the 95% national target.

Bradford had the 3<sup>rd</sup> lowest proportion of children who received one dose of MMR when compared to the 15 statistical neighbours.

# Population vaccination coverage: MMR for one dose (5 years old)

## Bradford District



7,154, 92.0% of children received one dose of MMR on or after their first birthday (and before their fifth) compared to England 92.5% and 93.7% in Yorkshire and the Humber.

The range across Upper Tier Local Authorities (UTLA) in England is from 81.2% to 97.4%. 42 of the 148 UTLA's (with reported data) met or exceeded the 95% target.



# Population vaccination coverage: MMR for one dose (5 years old)

## Bradford - Benchmarking against national target

Benchmarking against goal <90% 90% - 95% ≥95%

Year	Benchmark against target	Bradford District		Yorkshire and the Humber	England
		Value	Rate		
2010/11	●	7599	93.7	93.6	91.9
2011/12	●	7821	94.9	94.8	92.9
2012/13	●	7801	96.5	95.6	93.9
2013/14	●	7745	97.2	96.0	94.1
2014/15	●	8303	96.7	96.2	94.4
2015/16	●	8080	97.2	96.8	94.8
2016/17	●	8157	96.5	96.6	95.0
2017/18	●	9660	94.1	95.9	94.9
2018/19	●	7731	96.8	95.8	94.5
2019/20	●	7782	94.9	95.8	94.5
2020/21	●	7765	95.4	95.8	94.3
2021/22	●	7514	93.9	94.7	93.4
2022/23	●	7154	92.0	93.7	92.5

From 2010-11 to 2021-22 the district's vaccination coverage was between 93.7% to 97.2%. 2022-23 was the lowest proportion of vaccination coverage for over 10 years.

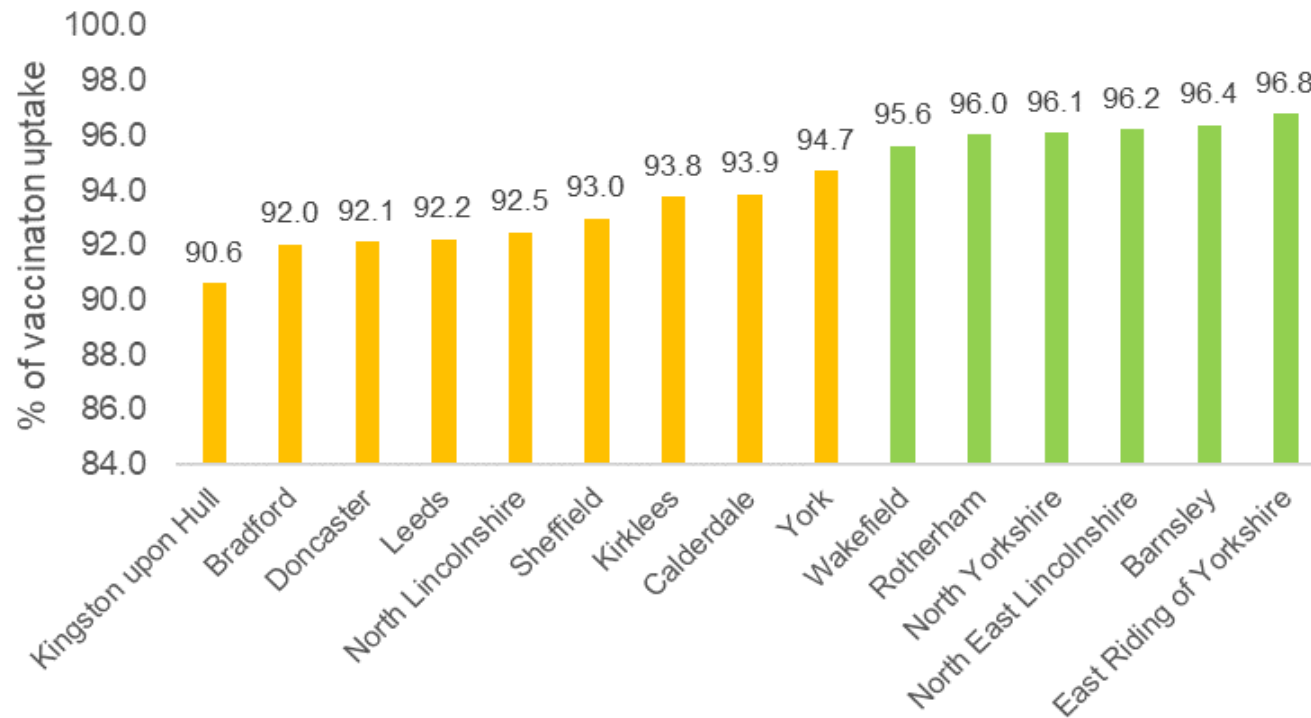
There is a difference of 5.2 percentage points when comparing 2019-20 and 2013-14 (the highest) to 2022-23.





# Population vaccination coverage: MMR for one dose (5 years old)

Grouped by Local Authorities in Yorkshire and the Humber



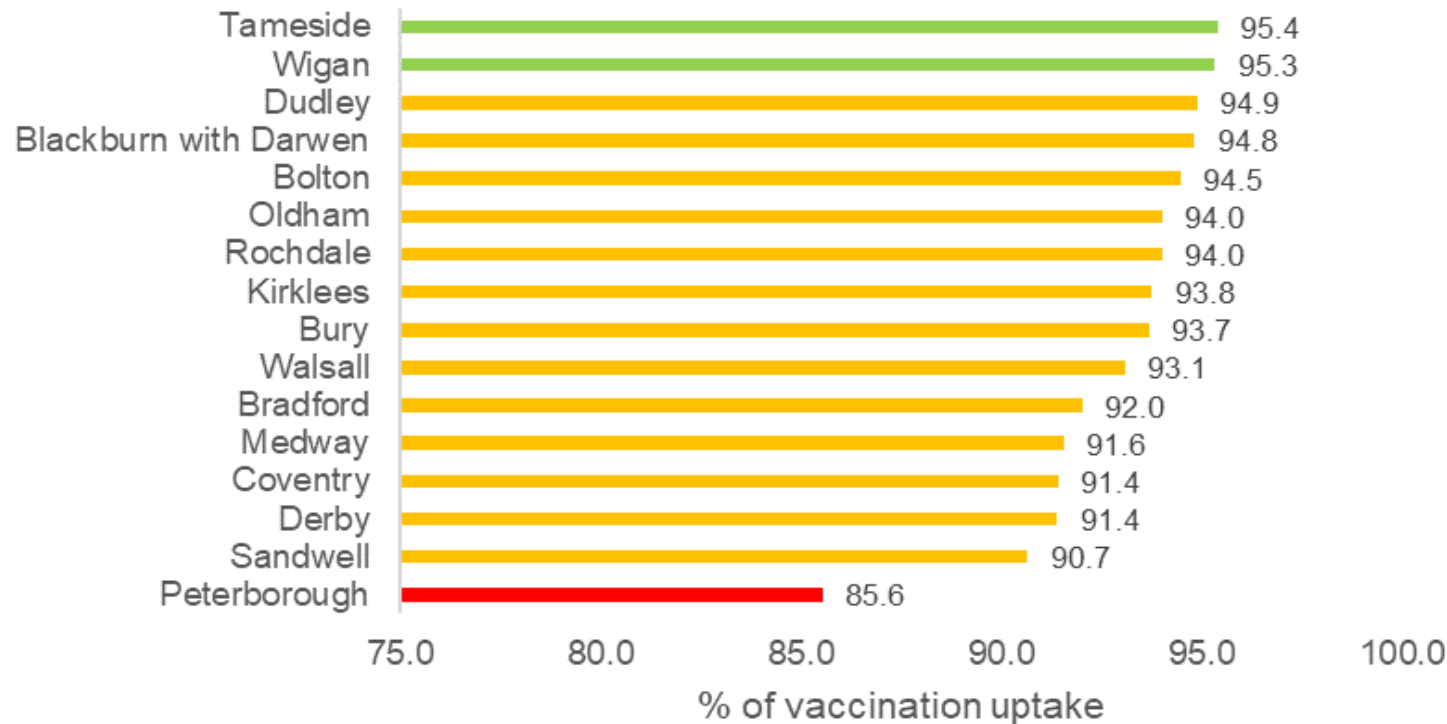
The district had the second lowest proportion of vaccination coverage when compared to Local Authorities in Yorkshire and the Humber. This range from 90.6% (Kingston upon Hull) to 96.8% (East Riding of Yorkshire).

There is a difference of 4.8 percentage points when comparing Bradford to East Riding of Yorkshire.



# Population vaccination coverage: MMR for one dose (5 years old)

## Grouped by Statistical Neighbours

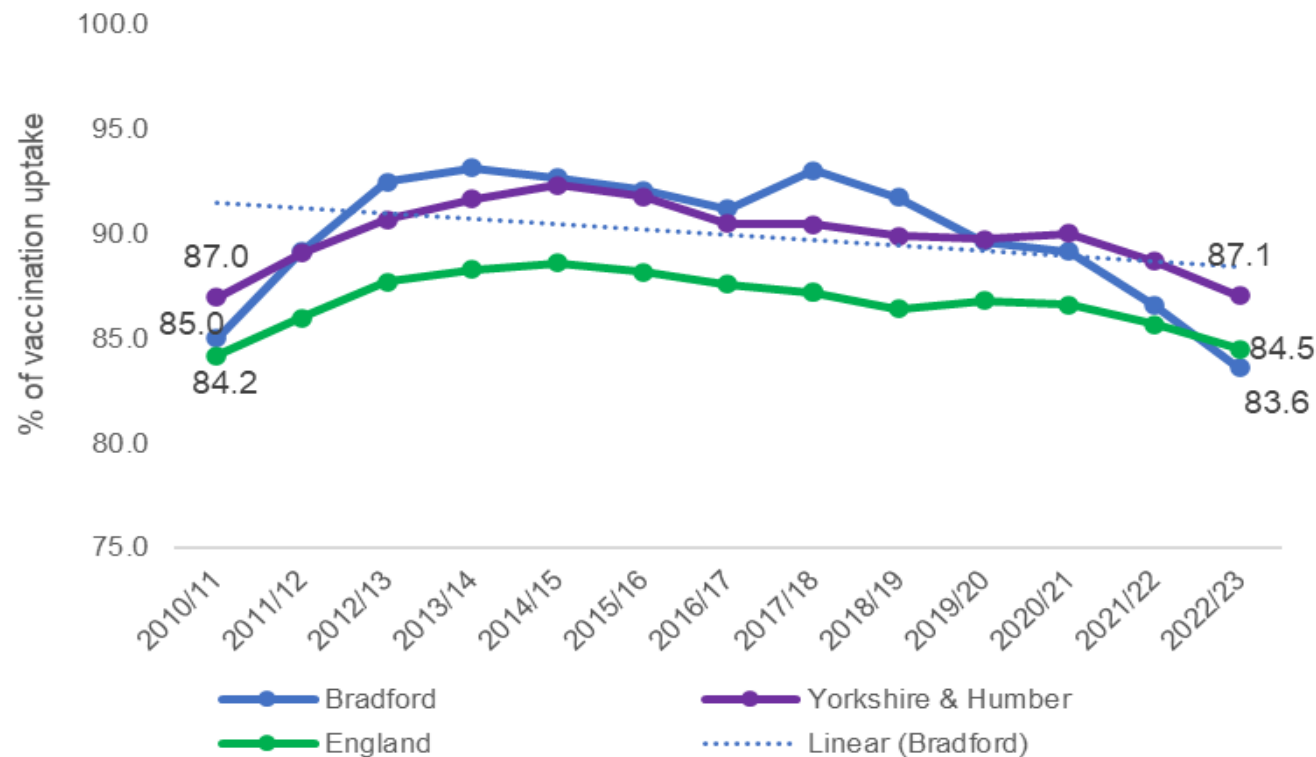


The vaccination coverage for statistical neighbours ranged from 80.5% (Peterborough) to 95.4% (Tameside). Two of the Local Authorities met the 95% national target.

Bradford had the 6<sup>th</sup> lowest proportion of children who received one dose of MMR when compared to the 15 statistical neighbours.

# Population vaccination coverage: MMR for two doses (5 years old)

## Bradford District



6,499, 83.6% of children received two dose of MMR on or after their first birthday (and before their fifth) compared to England 84.5% and 87.1% in Yorkshire and the Humber.

The range across Upper Tier Local Authorities (UTLA) in England is from 56.3% to 94.4%. None of the 148 UTLA's (with reported data) met or exceeded the 95% target.



# Population vaccination coverage: MMR for two doses (5 years old)

## Bradford - Benchmarking against national target

Benchmarking against goal <90% 90% - 95% ≥95%

Year	Benchmark against target	Bradford District		Yorkshire and the Humber	England
		Number	Rate		
2010/11	●	6896	85.0	87.0	84.2
2011/12	●	7344	89.2	89.1	86.0
2012/13	●	7479	92.5	90.7	87.7
2013/14	●	7427	93.2	91.7	88.3
2014/15	●	7960	92.7	92.3	88.6
2015/16	●	7661	92.1	91.8	88.2
2016/17	●	7711	91.2	90.5	87.6
2017/18	●	9555	93.1	90.5	87.2
2018/19	●	7332	91.8	89.9	86.4
2019/20	●	7342	89.6	89.8	86.8
2020/21	●	7260	89.2	90.0	86.6
2021/22	●	6931	86.6	88.7	85.7
2022/23	●	6499	83.6	87.1	84.5

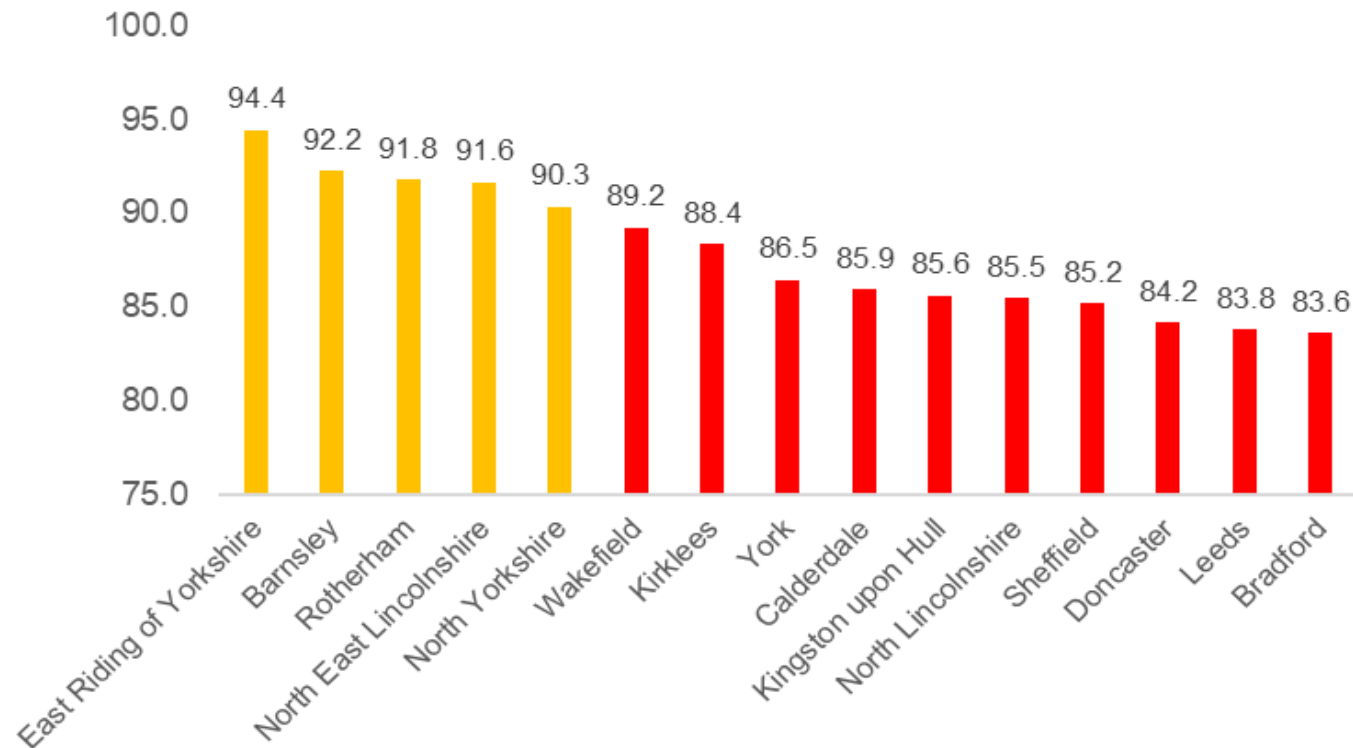
From 2010-11 to 2021-22 the district's vaccination coverage was between 85.0% to 93.2%. 2022-23 was the lowest proportion of vaccination coverage for over 10 years.

There is a difference of 9.6 percentage points when comparing 2013-14 (the highest) to 2022-23.



# Population vaccination coverage: MMR for two doses (5 years old)

Grouped by Local Authorities in Yorkshire and the Humber



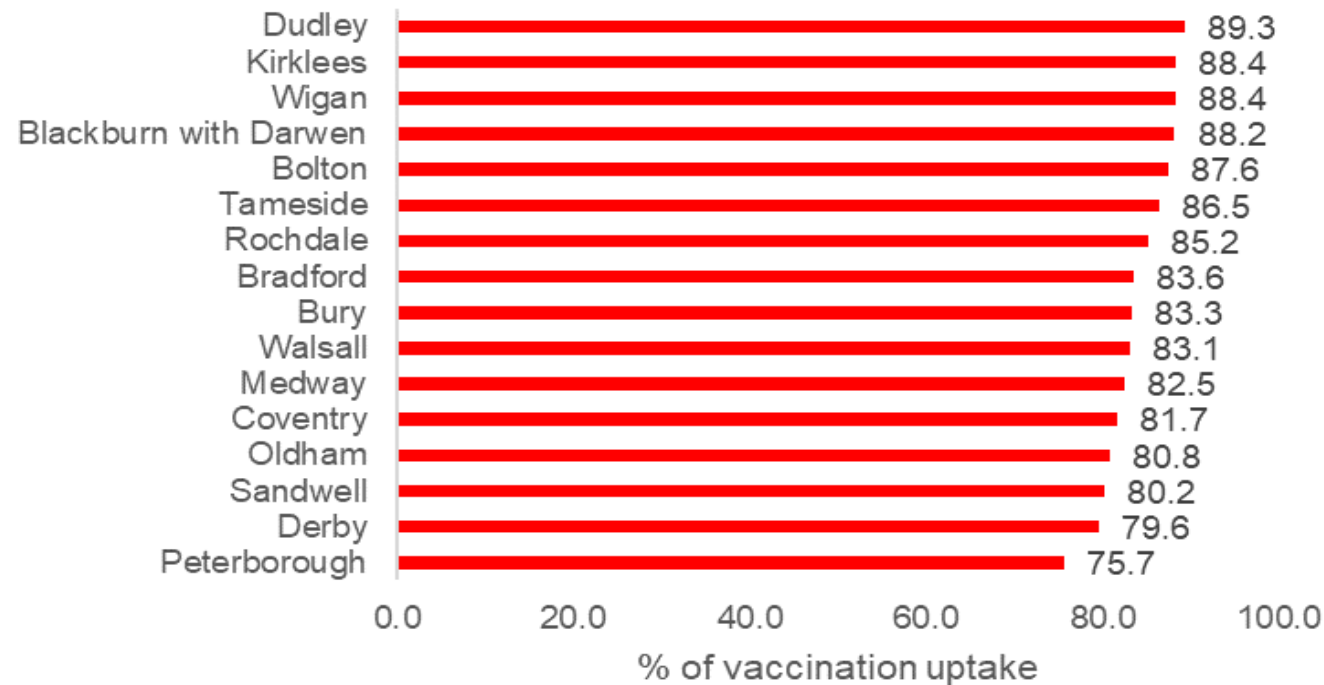
The district had the lowest proportion of vaccination coverage when compared to Local Authorities in Yorkshire and the Humber. This range from 83.6% (Bradford) to 94.4% (East Riding of Yorkshire).

There is a difference of 10.8 percentage points when comparing Bradford to East Riding of Yorkshire.



# Population vaccination coverage: MMR for two doses (5 years old)

## Grouped by Statistical Neighbours



The vaccination coverage for statistical neighbours ranged from 89.3% (Dudley) to 75.7% (Peterborough). None of the Local Authorities met the 95% national target.

Bradford at 83.6% had the 8<sup>th</sup> highest proportion of children who received two doses of MMR when compared to the 15 statistical neighbours.