

National Child Measurement Programme

Changes in child obesity prevalence in England between 2019/20 and 2020/21

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Introduction

- About the NCMP and 2019/20 2020/21 data collections
- Trends from the NCMP since 2006/07
- Changes in obesity and severe obesity prevalence between 2019/20 and 2020/21 by school year, sex and...
 - area level deprivation
 - ethnic group
 - English region
 - rural/ urban classification
- Provisional 2021/22 NCMP results
- Questions, comments and discussion



Link to the report:

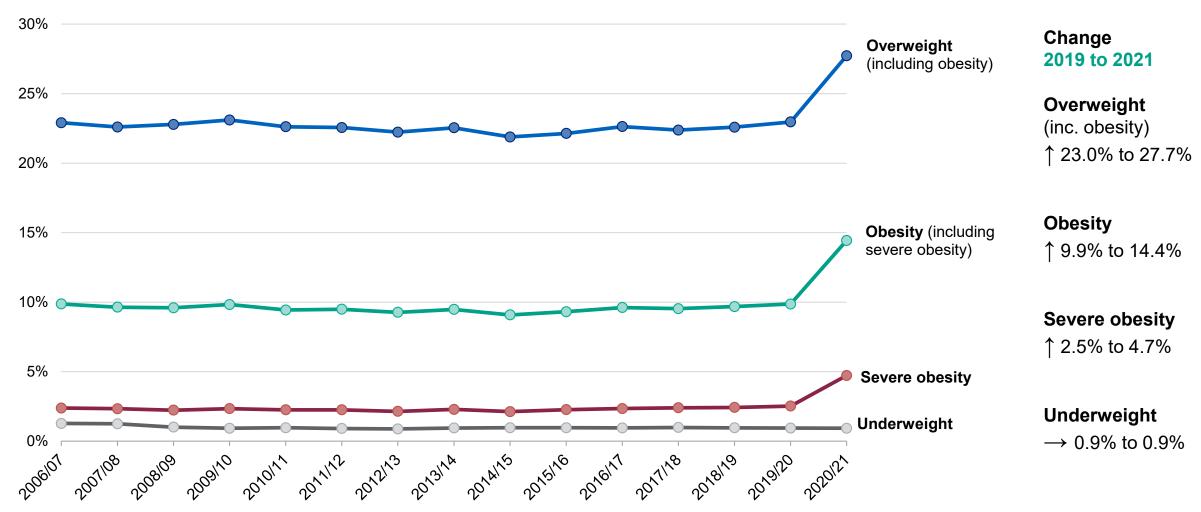
https://www.gov.uk/government/statistics/national-child-measurement-programme-ncmp-changes-in-child-bmi-between-2019-to-2020-and-2020-to-2021

The 2019/20 and 2020/21 NCMP data collections

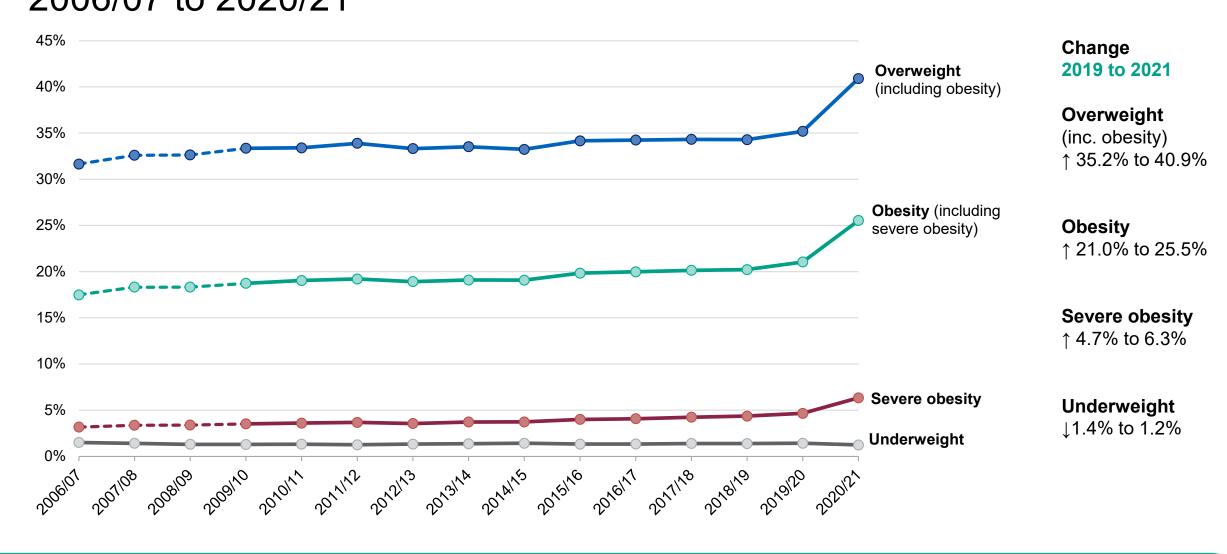
- The NCMP measures the height and weight of children aged 4-5 (Reception) and 10-11 (Year 6) in primary schools in England
- 2019/20 NCMP collected data from Sep 2019 to Mar 2020
 - ~890k measurements (75% of usual full measurement year)
 - Data reliable and comparable to previous years
- 2020/21 NCMP collected data predominantly from Apr 2021 to Jul 2021
 - ~300k measurements (25% of usual full measurement year)
 - Sample not fully representative of child population
 - Weighting applied to make it comparable to previous years of NCMP data

Trends by body mass index category for children in Reception

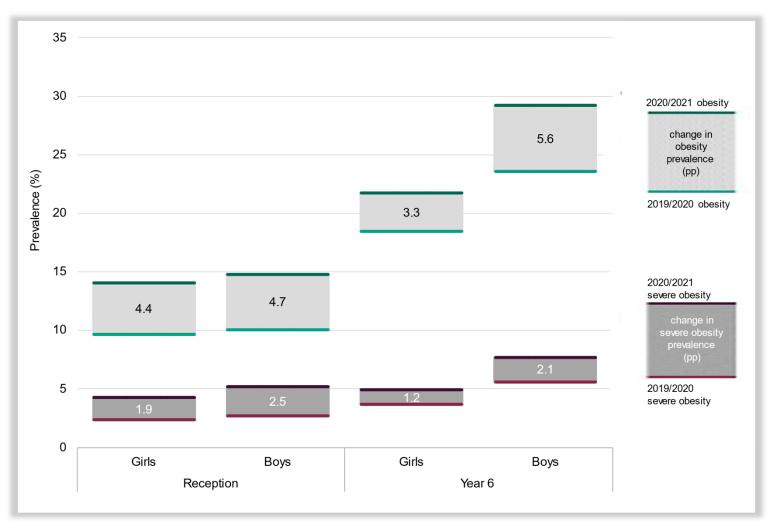
2006/07 to 2020/21



Trends by body mass index category for children in <u>Year 6</u> 2006/07 to 2020/21

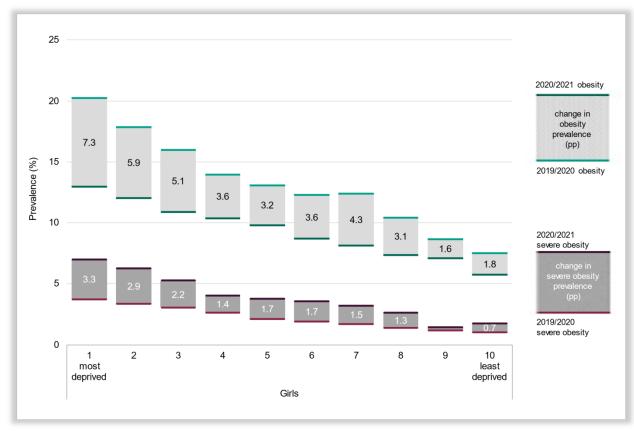


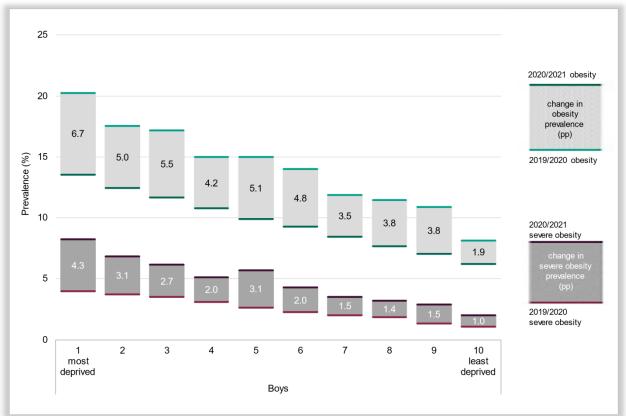
Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 by age and sex



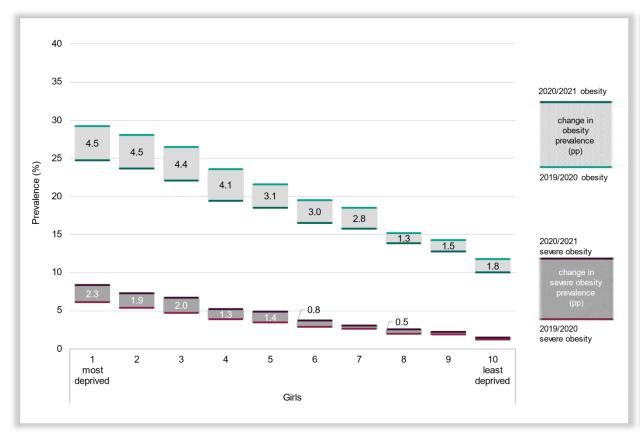
- In 2020/21 there were large increases in obesity and severe obesity prevalence in Reception and Year 6 for both boys and girls
- boys in Year 6 had a larger increase in obesity (5.6pp) and severe obesity (2.1pp) prevalence and from a higher starting point, compared with girls (3.3pp and 1.2pp respectively)

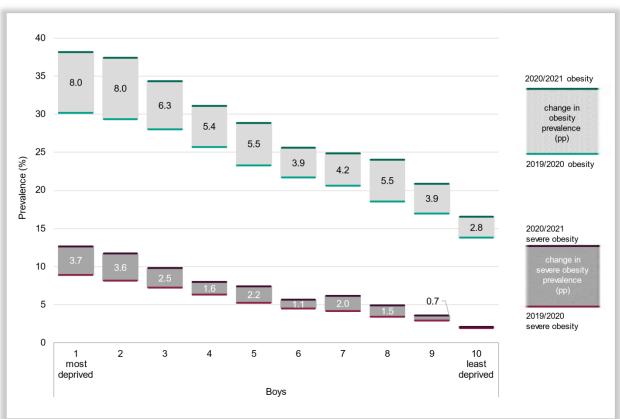
Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 in Reception by deprivation decile



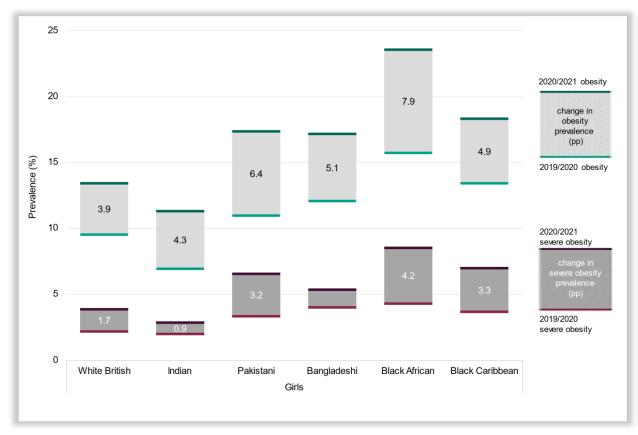


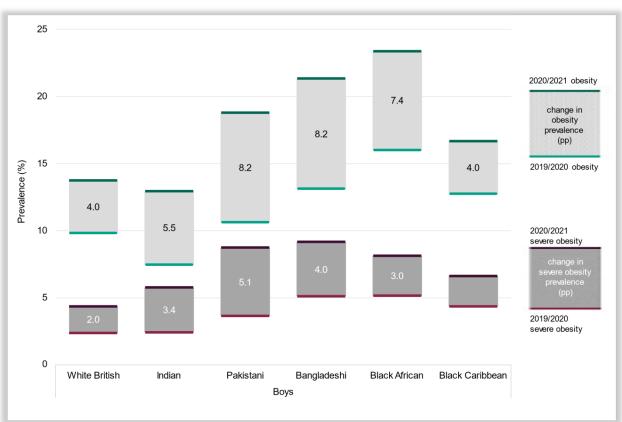
Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 in Year 6 by deprivation decile



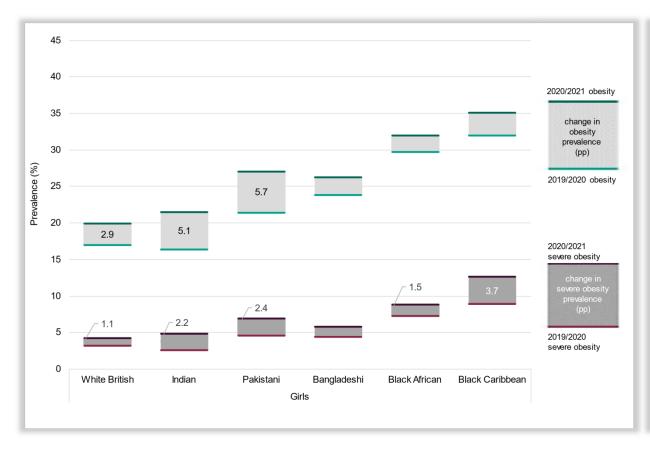


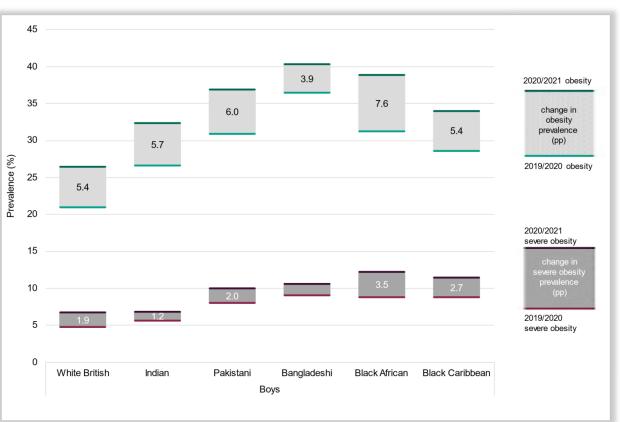
Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 in Reception by ethnic group





Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 in Year 6 by ethnic group





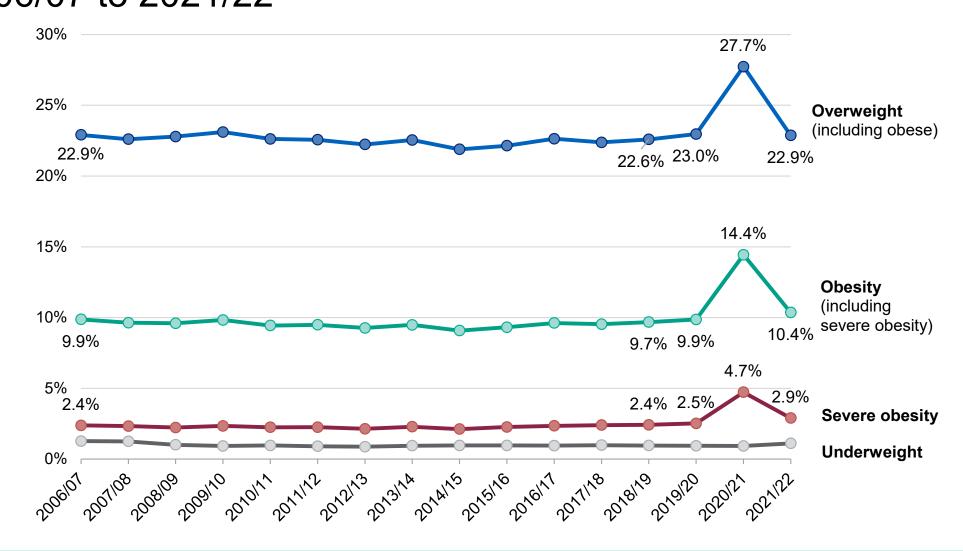
National Child Measurement Programme

Provisional data from 2021/22

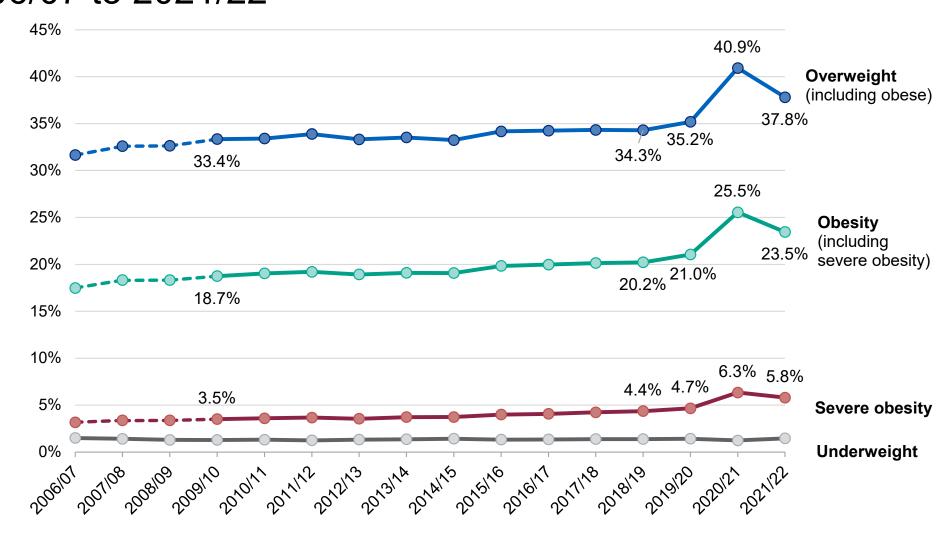
Provisional data from the 2021/22 NCMP

- Data has been published covering child measurements collected and submitted between Sept 2021 and May 2022
- ~809k measurement records submitted during this period 68% of a usual full measurement year
- Data reliable and comparable to previous years
- The full NCMP 2021/22 report will be published in November 2022

Trends by body mass index category for children in Reception 2006/07 to 2021/22



Trends by body mass index category for children in <u>Year 6</u> 2006/07 to 2021/22



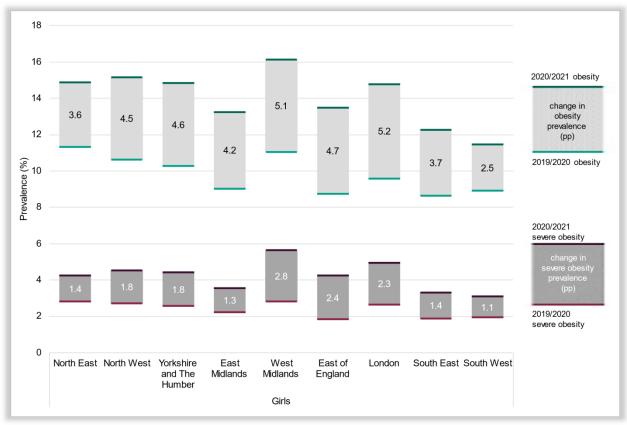
Provisional data from the 2021/22 NCMP

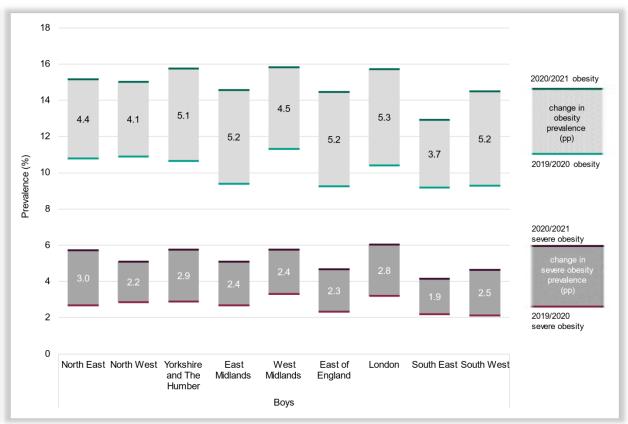
 Note the sample is not a cohort, we do not know the change in prevalence of obesity for children who were in Reception and Year 6 in 2020/21 and therefore in Year 1 and Year 7 in 2021/22 Questions | Comments | Discussion

Key findings: NCMP 2019/20 to 2020/21

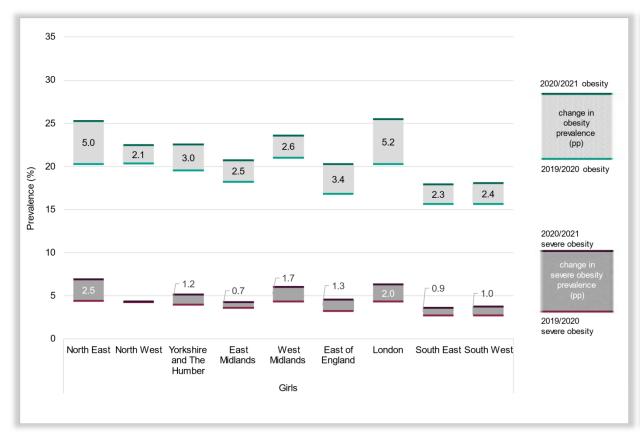
- Prior to 2020/21 prevalence of obesity and severe obesity has seen only small annual changes that have not exceeded 1.1 percentage points.
- In 2020/21 unprecedented increases were seen in the prevalence of obesity of 4.7 percentage points in Reception boys, 4.4 percentage points in Reception girls, 5.6 percentage points in Year 6 boys and 3.3 percentage points in Year 6 girls.
- Boys, particularly in Year 6, have experienced the largest increases in obesity and severe obesity.
- The largest increases in the prevalence of obesity and severe obesity in boys and girls have occurred in the most deprived areas of England, resulting in the large and persistent disparities in child obesity having worsened.
- Disparities in obesity prevalence between ethnic groups have also increased with the ethnic groups that
 previously had the highest obesity prevalence, in the most part, experiencing the largest increases.
- These increases in child obesity and severe obesity prevalence in 2020/21 follow the COVID-19 pandemic
 which resulted in school closures and other public health measures. More data is needed to know whether
 this is a long-term increase or whether prevalence will return to pre-pandemic levels.

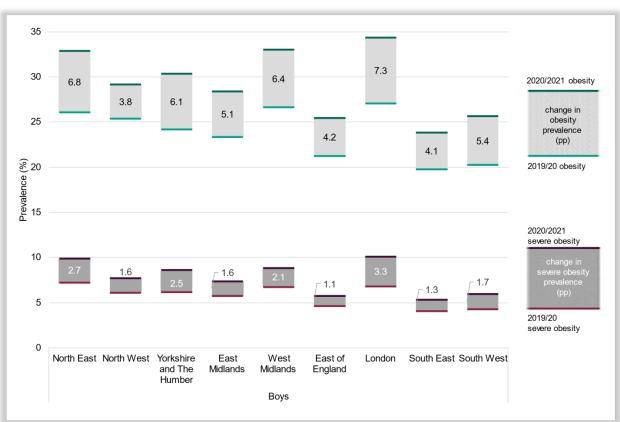
Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 in Reception by region





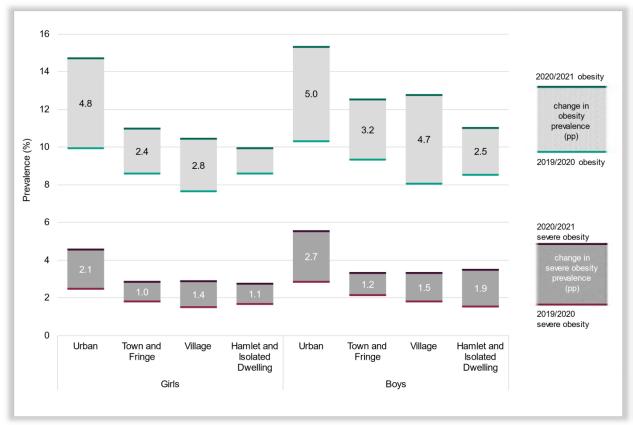
Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 in Year 6 by region



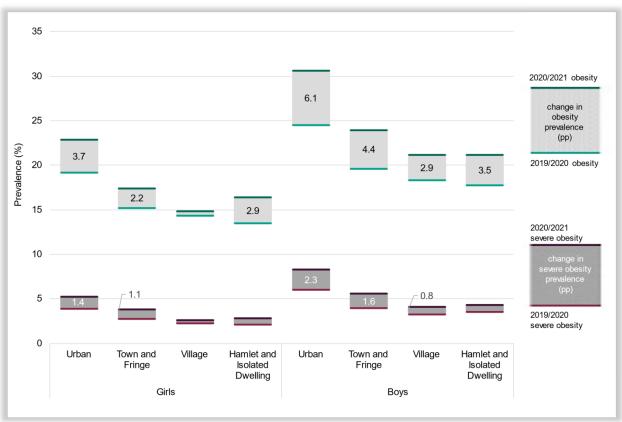


Percentage point (pp) change in prevalence of obesity and severe obesity between 2019/20 and 2020/21 by rural/urban category

Reception



Year 6



Other useful links

NHS Digital NCMP reports

https://digital.nhs.uk/data-and-information/publications/statistical/national-child-measurement-programme

OHID PowerPoint slide set on the 2020/21 NCMP

https://www.gov.uk/government/publications/child-obesity-patterns-and-trends

OHID Obesity Profile on Fingertips

https://fingertips.phe.org.uk/profile/national-child-measurement-programme

NCMP Operational Guidance

https://www.gov.uk/government/publications/national-child-measurement-programme-operational-guidance