

NE LINCOLNSHIRE JSNA INDICATOR SUMMARY

TITLE:	Excess weight in 4-5 and 10-11 year olds
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SUBTITLE:	2.6i Percentage of children aged 4-5 classified as overweight or obese 2.6ii Percentage of children aged 10-11 classified as overweight or obese
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Domain:	Health Improvement
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Frequency of Availability:	Annually
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Time Period Of Data Analysis:	2006/07 to 2013/14 (National & Regional) 2013/14 (Ward)
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AVAILABLE COMPARISONS

TYPE	AVAILABLE
National, Regional or Peer Group	Yes
Electoral Ward / NELCCG Practice	Yes
Neighbourhood	No
Socioeconomic Differences	No
Targets, Trends & Projections	Yes

KEY POINTS

+ve	The proportion of children aged 10-11 who are overweight or obese has decreased in recent years and North East Lincolnshire has closed the gap to the regional and national prevalence rates.
o	The proportion of children aged 10-11 classed as overweight or obese in North East Lincolnshire was similar to the overall proportion in the Yorkshire and Humber region.
-ve	North East Lincolnshire has the highest the proportion of reception aged children categorised as overweight and obese in the Yorkshire and Humber region. The overall trend does indicate a slight reduction since 2006/07 though.

DESCRIPTION

The prevention and management of obesity should be a priority for all, because of the considerable health benefits of maintaining a healthy weight and the health risks associated with overweight and obesity. As childhood obesity increases, then the associated health problems also rise, including Type 2 diabetes (NICE, 2006). By tackling childhood obesity,

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then it is hoped that long term illnesses can be avoided and lifestyle change can help to promote a healthy adulthood.

Measurement of children's heights and weights was overseen by healthcare professionals and undertaken in school by trained staff. Data was entered in to the National Child Measurement Programme (NCMP) upload tool and at various stages, the data underwent a series of data quality checks. Measurements could be taken at any time during the 2013/14 academic year, which meant that some children were almost two years older than others in the same school year at the point of measurement. However, Body Mass Index (BMI) centile results are adjusted for age.

Body mass index (BMI) is an indicator of body fat based on height and weight:

$$(BMI = \text{weight}(\text{kg}) / \text{height}(\text{m})^2)$$

and prevalence rates were calculated by deriving every child's Body Mass Index and referencing the age and sex-specific UK National BMI centiles classification, to count the number of children defined as underweight, healthy weight, overweight or obese.

Obesity in this analysis is defined as a BMI greater than or equal to the 95th centile. In a clinical setting obesity would be defined as a BMI greater than or equal to the 98th centile.

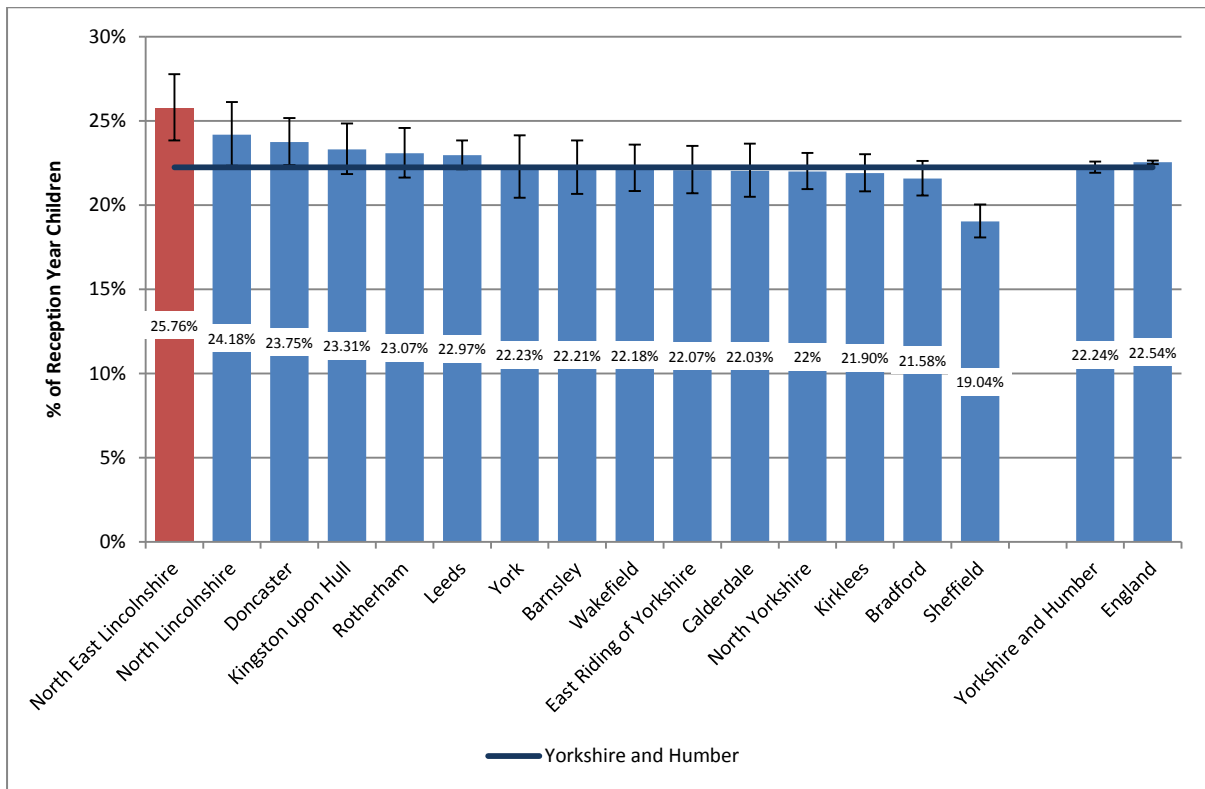
Pupils eligible for inclusion in the NCMP were all children in Reception and Year 6 attending non-specialist maintained state schools in England. Ward level analysis is based on the Local Authority

NATIONAL, REGIONAL OR PEER GROUP

North East Lincolnshire has the highest proportion of children in reception year (age 4-5) in the Yorkshire and Humber region who are classed as overweight or obese. The current local percentage of 25.76% is statistically higher than the regional percentage of 22.241% and the national percentage of 22.54%. North East Lincolnshire's percentage of overweight and obese reception year children was significantly worse than seven of the other local authority areas in the Yorkshire and Humber region (Figure 1).

Figure 1 Percentage of children aged 4-5 classified as overweight or obese in the Yorkshire and Humber region, 2013/14

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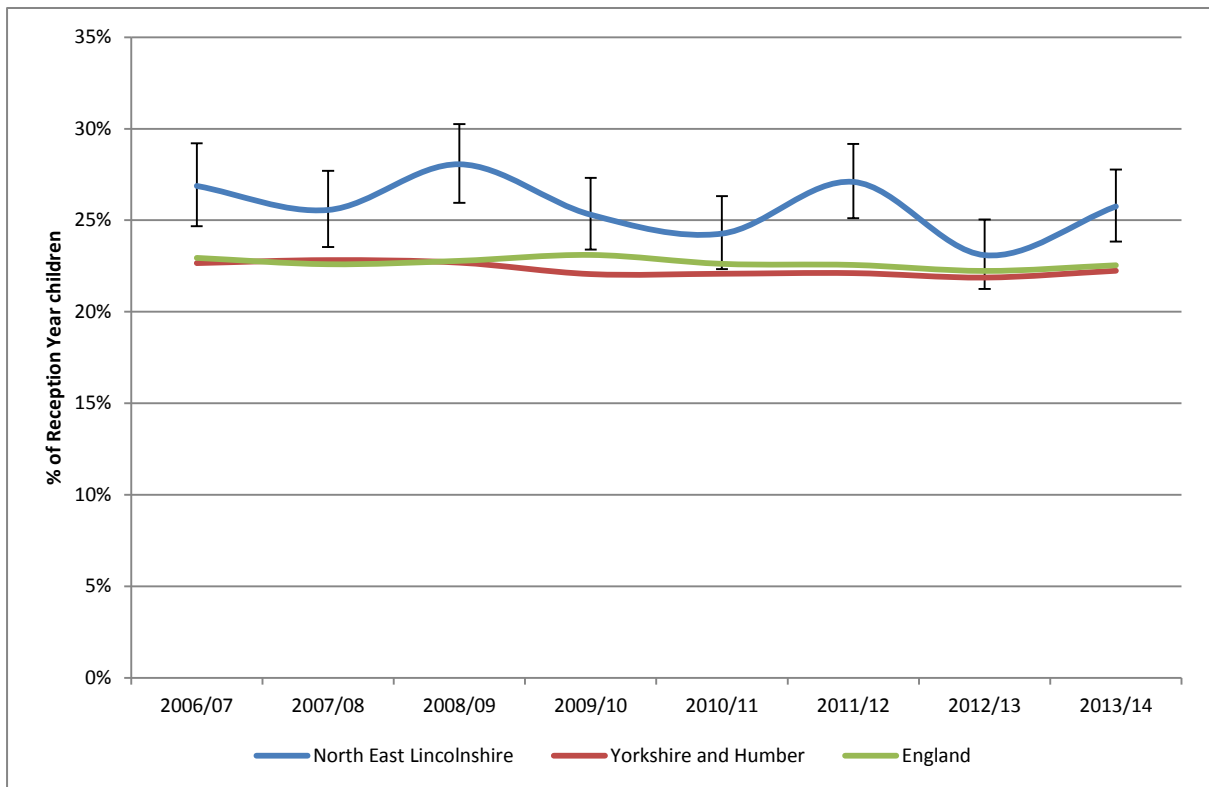


Source: Public Health England, 2015

Although North East Lincolnshire currently has a significantly percentage of overweight and obese children aged 4-5 as of 2013/14, the overall trend in North East Lincolnshire has shown a gradual decrease; similar to that of the regional and national trends which show a reduction (Figure 2).

Figure 2 Percentage of children aged 4-5 classified as overweight or obese in the North East Lincolnshire, Yorkshire and Humber and England, 2006/07 to 2013/14

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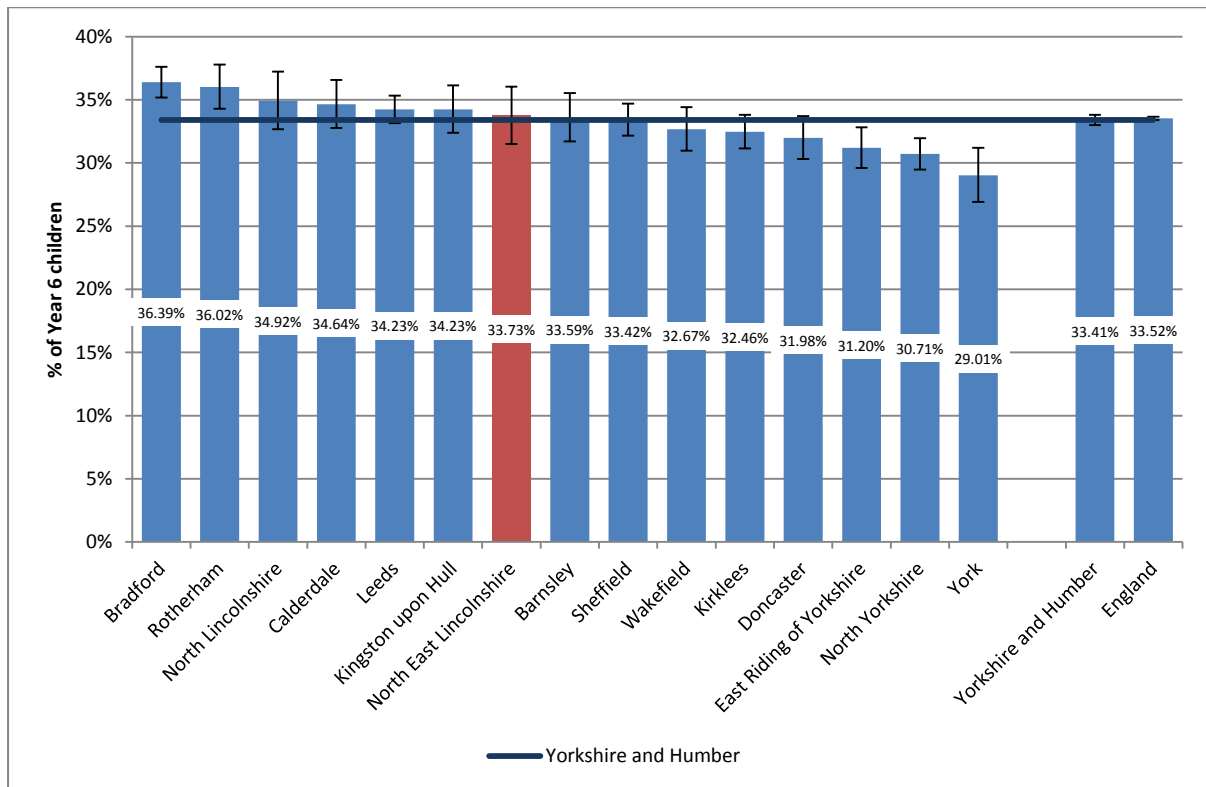


Source: Public Health England, 2015

North East Lincolnshire currently has a proportion of children aged 10-11 who are classed as overweight or obese of 33.73% which is more or less the same as the regional average of 33.41%. This was statistically significantly higher than only one other local authority area in the Yorkshire and Humber region (Figure 3).

Figure 3 Percentage of children aged 10-11 classified as overweight or obese in the Yorkshire and Humber region, 2013/14

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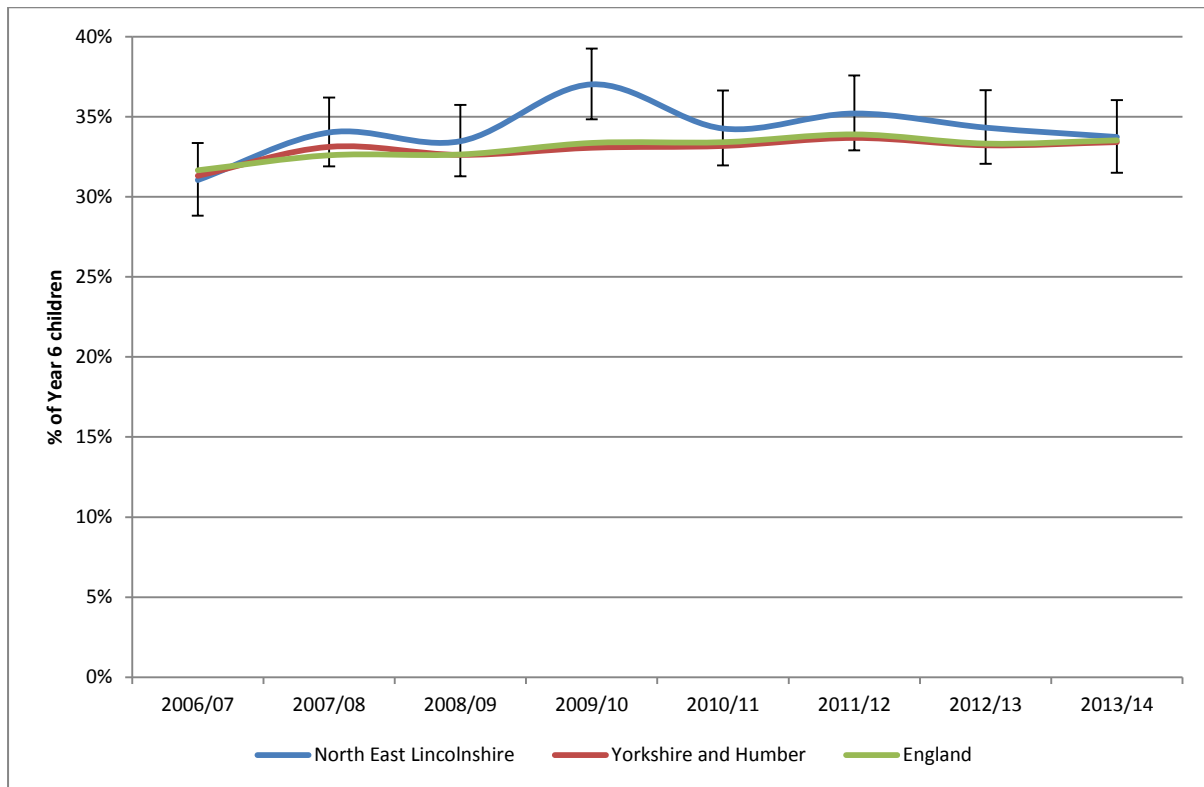


Source: Public Health England, 2015

The overall trend for overweight and obese children aged 10-11 is largely similar the national and regional trend and despite North East Lincolnshire being significantly higher in 2009/10, the gap has gradually reduced over the following years leaving North East Lincolnshire similar to the national and regional prevalence (Figure 4).

Figure 4 Percentage of children aged 10-11 classified as overweight or obese in the North East Lincolnshire, Yorkshire and Humber and England, 2006/07 to 2013/14

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Source: Public Health England, 2015

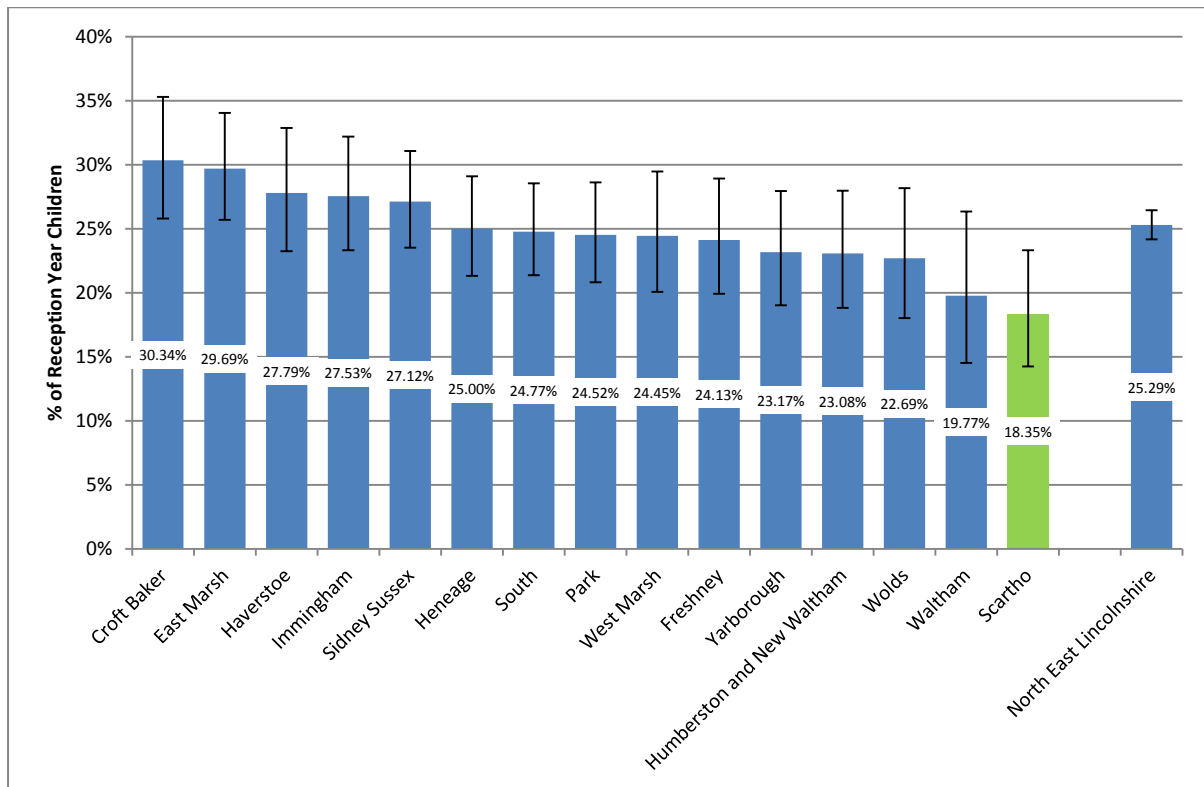
NORTH EAST LINCOLNSHIRE

Electoral Wards / NELCCG Practices

Local NCMP data for 2011/12 to 2013/14 was pooled at ward level in North East Lincolnshire, as shown in Figure 5 and Figure 6. Data for reception year children (Figure 5) shows that despite a general trend that the more affluent wards have a lower prevalence of obesity, the variation is not significantly different from the North East Lincolnshire average prevalence of 25.29% for 2011/12 to 2013/14. However Haverstoe is a notable anomaly with a higher prevalence than would be expected when compared to similar wards using deprivation. Scartho ward, with an overweight and obese prevalence of 18.35% is the only ward that is significantly lower than local authority average.

Figure 5 Percentage of children aged 4-5 classified as overweight or obese in North East Lincolnshire by electoral ward, 3 year pooled 2011/12 to 2013/14

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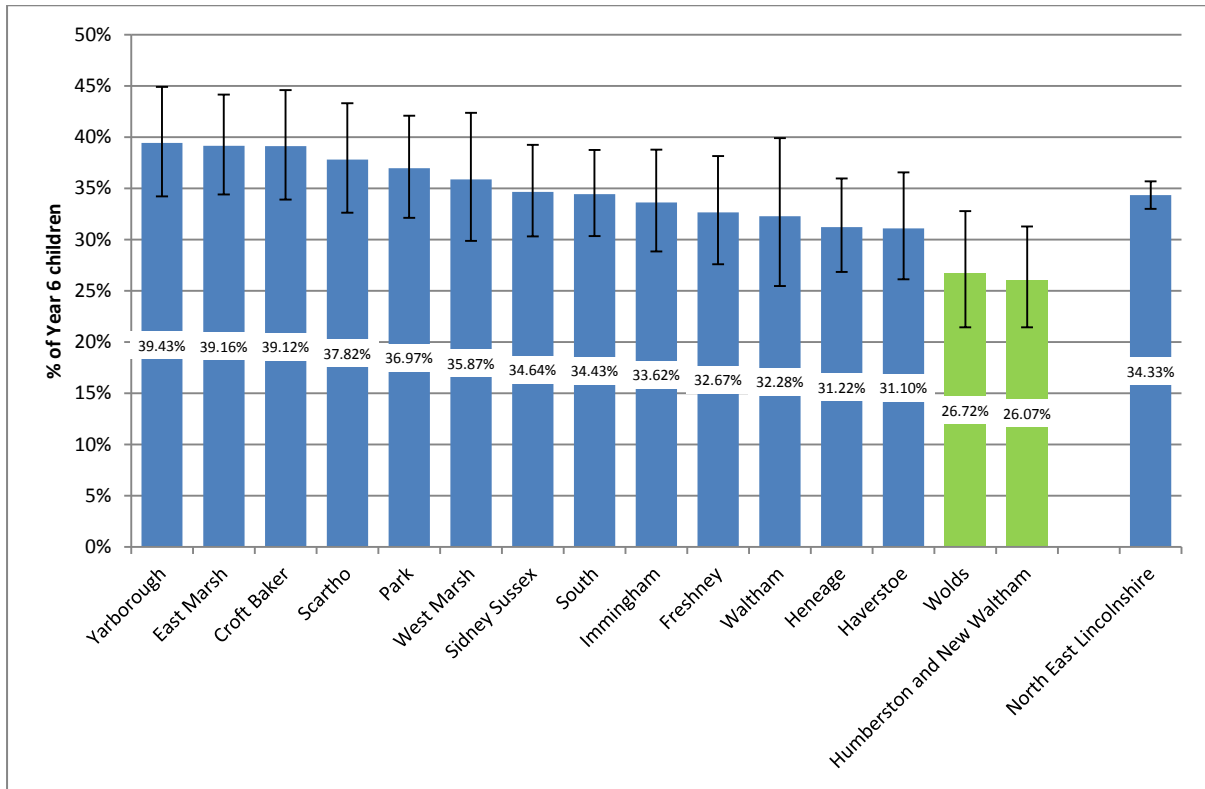


Source: NCMP

Three year pooled ward analysis for children aged 10-11 in North East Lincolnshire showed no significantly variation in the proportion of those who were measured as overweight or obese for 13 of the 15 wards. Only Wolds (26.72%) and Humberston and New Waltham (26.07%) wards were significantly lower the North East Lincolnshire average prevalence (34.33%) for overweight and obese children in year 6 (Figure 6).

Figure 6 Percentage of children aged 10-11 classified as overweight or obese in North East Lincolnshire by electoral ward, 3 year pooled 2011/12 to 2013/14

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Source: NCMP

Public Data Sources:	<i>Public Health England 'None Publicly Available'</i>
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