



TOOL D3 Estimating the local cost of obesity

TOOL
D3

For:	Commissioners in primary care trusts (PCTs)
About:	This tool provides estimates of the annual costs to the NHS of diseases related to overweight and obesity and obesity alone, broken down to PCT level. Estimated costs have been based on a disaggregation of the national estimates calculated by Foresight (for selected years 2007-2015). See <i>Setting local goals</i> in Section C.
Purpose:	To give an understanding of the scale of the problem to the NHS in PCTs if current trends continue.
Use:	<ul style="list-style-type: none"> • Can be used for understanding the problem in your PCT – case for funding. • Can be used for evaluation and monitoring purposes. The data can be used as a baseline and for monitoring interventions relating to reducing costs to NHS.
Resource:	<i>Modelling future trends in obesity and the impact on health. Foresight tackling obesities: Future choices.</i> ¹⁶ www.foresight.gov.uk

The estimated annual costs to the NHS of diseases related to overweight and obesity (BMI 25kg/m² or more) and obesity alone (BMI 30kg/m² or more), by PCT, are provided below.

The costs have been estimated using the national estimates calculated by Foresight. A microsimulation model was used to forecast costs to the NHS of the consequences of overweight and obesity. No inflation costs, either of prices generally or healthcare costs in particular, were incorporated within the costs, so this allows for direct comparison to current prices. Future BMI-related costs were approximated by subtracting estimates of current NHS costs of obesity from projected costs derived from the model. Further information about the microsimulation model can be found at www.foresight.gov.uk

Estimated annual costs to NHS of diseases related to overweight and obesity (BMI 25kg/m² or more) and obesity alone (BMI 30kg/m² or more), by PCT

	Estimated annual costs to NHS of diseases related to overweight and obesity £ million			Estimated annual costs to NHS of diseases related to obesity £ million		
	2007	2010	2015	2007	2010	2015
Government Office for the North East						
County Durham PCT	156.7	162.7	173.9	81.3	88.1	101.1
Darlington PCT	27.6	28.6	30.6	14.3	15.5	17.8
Gateshead PCT	61.9	64.3	68.7	32.1	34.8	39.9
Hartlepool PCT	29.3	30.4	32.5	15.2	16.5	18.9
Middlesbrough PCT	45.8	47.5	50.8	23.7	25.7	29.5
Newcastle PCT	81.1	84.1	90	42.1	45.6	52.3
North Tees PCT	51.9	53.9	57.6	26.9	29.2	33.5
North Tyneside PCT	58.9	61.2	65.4	30.6	33.1	38
Northumberland Care Trust	85.7	88.9	95.1	44.4	48.1	55.3

	Estimated annual costs to NHS of diseases related to overweight and obesity £ million			Estimated annual costs to NHS of diseases related to obesity £ million		
	2007	2010	2015	2007	2010	2015
Redcar and Cleveland PCT	41	42.5	45.5	21.3	23	26.4
South Tyneside PCT	48.8	50.7	54.2	25.3	27.4	31.5
Sunderland Teaching PCT	88.4	91.7	98.1	45.9	49.7	57
Government Office for the North West						
Ashton, Leigh and Wigan PCT	90.8	94.3	100.8	47.1	51	58.6
Blackburn with Darwen PCT	46.4	48.1	51.4	24.1	26	29.9
Blackpool PCT	45.8	47.5	50.8	23.8	25.7	29.6
Bolton PCT	78.3	81.3	86.9	40.6	44	50.5
Bury PCT	50	51.9	55.5	26	28.1	32.3
Central and Eastern Cheshire PCT	111.4	115.6	123.6	57.8	62.6	71.9
Central Lancashire PCT	119.2	123.7	132.3	61.8	67	76.9
Cumbria PCT	136.8	141.9	151.8	71	76.9	88.2
East Lancashire PCT	110.1	114.2	122.2	57.1	61.9	71
Halton and St Helens PCT	95.3	98.9	105.8	49.5	53.6	61.5
Heywood, Middleton and Rochdale PCT	63.4	65.8	70.4	32.9	35.6	40.9
Knowsley PCT	55	57.1	61	28.5	30.9	35.5
Liverpool PCT	163.6	169.8	181.5	84.9	91.9	105.5
Manchester PCT	166.8	173.1	185.1	86.6	93.7	107.6
North Lancashire PCT	90.5	93.9	100.4	47	50.9	58.4
Oldham PCT	67.5	70.1	74.9	35	37.9	43.6
Salford PCT	73.3	76.1	81.3	38	41.2	47.3
Sefton PCT	82.1	85.2	91.1	42.6	46.1	52.9
Stockport PCT	74.4	77.2	82.6	38.6	41.8	48
Tameside and Glossop PCT	66.8	69.3	74.1	34.6	37.5	43.1
Trafford PCT	57.5	59.7	63.8	29.8	32.3	37.1
Warrington PCT	51.2	53.1	56.8	26.6	28.8	33
Western Cheshire PCT	65.6	68.1	72.8	34	36.8	42.3
Wirral PCT	98.5	102.2	109.3	51.1	55.3	63.6
Government Office for Yorkshire and The Humber						
Barnsley PCT	72.3	75.1	80.3	37.5	40.6	46.7
Bradford and Airedale PCT	142.6	148	158.3	74	80.1	92
Calderdale PCT	53	55	58.8	27.5	29.8	34.2
Doncaster PCT	88.4	91.7	98.1	45.9	49.7	57
East Riding of Yorkshire PCT	76.4	79.3	84.8	39.7	43	49.3
Hull PCT	78.8	81.8	87.4	40.9	44.3	50.8
Kirklees PCT	103.4	107.3	114.8	53.7	58.1	66.7

	Estimated annual costs to NHS of diseases related to overweight and obesity £ million			Estimated annual costs to NHS of diseases related to obesity £ million		
	2007	2010	2015	2007	2010	2015
Leeds PCT	197.4	204.9	219.1	102.4	110.9	127.4
North East Lincolnshire PCT	45.2	46.9	50.1	23.4	25.4	29.1
North Lincolnshire PCT	42	43.6	46.6	21.8	23.6	27.1
North Yorkshire and York PCT	186.6	193.6	207.1	96.8	104.8	120.4
Rotherham PCT	72.2	74.9	80.1	37.4	40.6	46.6
Sheffield PCT	148.7	154.3	165	77.1	83.6	95.9
Wakefield District PCT	98.5	102.3	109.3	51.1	55.4	63.6
Government Office for the East Midlands						
Bassetlaw PCT	29.6	30.8	32.9	15.4	16.7	19.1
Derby City PCT	73.4	76.2	81.5	38.1	41.3	47.4
Derbyshire County PCT	184.3	191.3	204.5	95.6	103.5	118.9
Leicester City PCT	86.6	89.9	96.1	45	48.7	55.9
Leicestershire County and Rutland PCT	147.6	153.2	163.8	76.6	83	95.3
Lincolnshire PCT	187.9	195	208.6	97.5	105.6	121.3
Northamptonshire PCT	167.6	173.9	186	86.9	94.2	108.1
Nottingham City PCT	85.1	88.3	94.4	44.1	47.8	54.9
Nottinghamshire County PCT	166.8	173.1	185.1	86.5	93.7	107.6
Government Office for the West Midlands						
Birmingham East and North PCT	122.5	127.2	136	63.6	68.9	79.1
Coventry Teaching PCT	96.1	99.7	106.6	49.8	54	62
Dudley PCT	80.9	84	89.8	42	45.5	52.2
Heart of Birmingham Teaching PCT	92.9	96.5	103.1	48.2	52.2	60
Herefordshire PCT	46.3	48.1	51.4	24	26	29.9
North Staffordshire PCT	54.7	56.8	60.7	28.4	30.7	35.3
Sandwell PCT	94.1	97.6	104.4	48.8	52.9	60.7
Shropshire County PCT	72.4	75.1	80.3	37.5	40.7	46.7
Solihull Care Trust	51.4	53.4	57.1	26.7	28.9	33.2
South Birmingham PCT	100.9	104.8	112	52.4	56.7	65.1
South Staffordshire PCT	143.7	149.2	159.5	74.6	80.8	92.7
Stoke on Trent PCT	77.9	80.8	86.4	40.4	43.8	50.3
Telford and Wrekin PCT	42.8	44.4	47.5	22.2	24.1	27.6
Walsall Teaching PCT	74.4	77.2	82.5	38.6	41.8	48
Warwickshire PCT	131.6	136.5	146	68.3	73.9	84.9
Wolverhampton City PCT	73.8	76.6	81.9	38.3	41.5	47.6
Worcestershire PCT	136.6	141.8	151.6	70.9	76.8	88.1

	Estimated annual costs to NHS of diseases related to overweight and obesity £ million			Estimated annual costs to NHS of diseases related to obesity £ million		
	2007	2010	2015	2007	2010	2015
Government Office for the East of England						
Bedfordshire PCT	98.8	102.6	109.7	51.3	55.5	63.8
Cambridgeshire PCT	138.3	143.5	153.5	71.7	77.7	89.2
East and North Hertfordshire PCT	134.4	139.4	149.1	69.7	75.5	86.7
Great Yarmouth and Waveney PCT	65.4	67.9	72.6	33.9	36.8	42.2
Luton PCT	50.7	52.6	56.2	26.3	28.5	32.7
Mid Essex PCT	82	85.1	91	42.5	46.1	52.9
Norfolk PCT	188.7	195.8	209.4	97.9	106	121.7
North East Essex PCT	86.3	89.6	95.8	44.8	48.5	55.7
Peterborough PCT	42.7	44.4	47.4	22.2	24	27.6
South East Essex PCT	88	91.3	97.6	45.6	49.4	56.8
South West Essex PCT	106.3	110.3	117.9	55.1	59.7	68.6
Suffolk PCT	146.4	152	162.5	76	82.3	94.5
West Essex PCT	66.7	69.2	74	34.6	37.5	43
West Hertfordshire PCT	130.8	135.8	145.2	67.9	73.5	84.4
Government Office for London						
Barking and Dagenham PCT	54.6	56.7	60.6	28.3	30.7	35.2
Barnet PCT	85.1	88.3	94.4	44.1	47.8	54.9
Bexley Care Trust	55.5	57.6	61.6	28.8	31.2	35.8
Brent Teaching PCT	83	86.2	92.2	43.1	46.7	53.6
Bromley PCT	77.2	80.1	85.7	40.1	43.4	49.8
Camden PCT	74.6	77.4	82.8	38.7	41.9	48.1
City and Hackney Teaching PCT	85.3	88.5	94.6	44.2	47.9	55
Croydon PCT	88.9	92.2	98.6	46.1	49.9	57.3
Ealing PCT	89	92.4	98.8	46.2	50	57.4
Enfield PCT	75.7	78.6	84.1	39.3	42.6	48.9
Greenwich Teaching PCT	73	75.8	81	37.9	41	47.1
Hammersmith and Fulham PCT	53.4	55.4	59.2	27.7	30	34.4
Haringey Teaching PCT	73.7	76.5	81.8	38.2	41.4	47.6
Harrow PCT	50.9	52.8	56.4	26.4	28.6	32.8
Havering PCT	65.2	67.7	72.4	33.9	36.7	42.1
Hillingdon PCT	63.6	66	70.6	33	35.8	41.1
Hounslow PCT	60.8	63.1	67.5	31.6	34.2	39.3
Islington PCT	66.3	68.8	73.6	34.4	37.3	42.8
Kensington and Chelsea PCT	56	58.1	62.1	29.1	31.5	36.1
Kingston PCT	39.7	41.1	44	20.6	22.3	25.6
Lambeth PCT	88.6	91.9	98.3	46	49.8	57.1

	Estimated annual costs to NHS of diseases related to overweight and obesity £ million			Estimated annual costs to NHS of diseases related to obesity £ million		
	2007	2010	2015	2007	2010	2015
Lewisham PCT	76.2	79.1	84.5	39.5	42.8	49.1
Newham PCT	92.6	96.1	102.8	48.1	52.1	59.8
Redbridge PCT	62.3	64.7	69.1	32.3	35	40.2
Richmond and Twickenham PCT	42.4	44	47.1	22	23.8	27.4
Southwark PCT	83	86.1	92.1	43.1	46.6	53.5
Sutton and Merton PCT	93.8	97.4	104.1	48.7	52.7	60.5
Tower Hamlets PCT	80.9	84	89.8	42	45.5	52.2
Waltham Forest PCT	68	70.6	75.5	35.3	38.2	43.9
Wandsworth PCT	74.1	76.9	82.2	38.4	41.6	47.8
Westminster PCT	70.2	72.9	77.9	36.4	39.4	45.3
Government Office for the South East						
Brighton and Hove City PCT	75.3	78.1	83.5	39.1	42.3	48.6
East Sussex Downs and Weald PCT	88.2	91.5	97.9	45.8	49.6	56.9
Eastern and Coastal Kent PCT	201.8	209.5	224	104.7	113.4	130.2
Hastings and Rother PCT	52.2	54.2	58	27.1	29.4	33.7
Medway PCT	69.7	72.3	77.4	36.2	39.2	45
Surrey PCT	251.3	260.8	278.8	130.4	141.2	162.1
West Kent PCT	160	166.1	177.6	83	89.9	103.3
West Sussex PCT	199.5	207	221.4	103.5	112.1	128.7
Berkshire East PCT	91	94.5	101	47.2	51.2	58.7
Berkshire West PCT	103.5	107.4	114.8	53.7	58.1	66.7
Buckinghamshire PCT	113.6	117.9	126.1	59	63.8	73.3
Hampshire PCT	300.8	312.2	333.8	156.1	169	194.1
Isle of Wight NHS PCT	41.9	43.5	46.5	21.8	23.6	27.1
Milton Keynes PCT	56.9	59	63.1	29.5	31.9	36.7
Oxfordshire PCT	143.4	148.8	159.1	74.4	80.6	92.5
Portsmouth City Teaching PCT	50.1	52	55.6	26	28.2	32.3
Southampton City PCT	65.2	67.6	72.3	33.8	36.6	42.1
Government Office for the South West						
Bath and North East Somerset PCT	44.1	45.8	49	22.9	24.8	28.5
Bournemouth and Poole PCT	89.5	92.8	99.3	46.4	50.3	57.7
Bristol PCT	111.6	115.8	123.9	57.9	62.7	72
Cornwall and Isles of Scilly PCT	145.1	150.6	161	75.3	81.5	93.6
Devon PCT	190.5	197.7	211.4	98.8	107	122.9
Dorset PCT	102.4	106.2	113.6	53.1	57.5	66
Gloucestershire PCT	143.7	149.1	159.5	74.6	80.7	92.7
North Somerset PCT	51.4	53.4	57.1	26.7	28.9	33.2

	Estimated annual costs to NHS of diseases related to overweight and obesity £ million			Estimated annual costs to NHS of diseases related to obesity £ million		
	2007	2010	2015	2007	2010	2015
Plymouth Teaching PCT	68.5	71	76	35.5	38.5	44.2
Somerset PCT	133.8	138.8	148.4	69.4	75.2	86.3
South Gloucestershire PCT	54.8	56.9	60.8	28.4	30.8	35.3
Swindon PCT	48	49.8	53.3	24.9	27	31
Torbay Care Trust	42.4	44	47.1	22	23.8	27.4
Wiltshire PCT	106.6	110.6	118.3	55.3	59.9	68.8
FORESIGHT estimate of national annual costs to NHS	Elevated BMI (£ million)			Obesity (£ million)		
	2007	2010	2015	2007	2010	2015
	13,891	14,416	15,415	7,207	7,805	8,962

Notes:

Costs are calculated at 2004 prices.

It is assumed the BMI distribution for England changes in line with current trends.

Note:

NICE has produced a report which attempts to estimate the cost of implementing the NICE guidelines on obesity.¹⁴² This report estimates the cost of: treatment of obese/overweight children with co-morbidities (referral to a specialist, drug treatment for some children); bariatric surgery for very obese adults; and staff training in prevention and management of obesity. To view the report, visit www.nice.org.uk