NPDA 2019-2020 ROUND UP

YORKSHIRE AND HUMBER
NETWORK

Breakdown of cohort in Yorkshire and Humber region

Diabetes Type Breakdown for YH Network

Diabetes type

Diabetes type	Yorkshire and Humber	England & Wales
Type 1	94.5%	94.6%
Type 2	3.0%	3.0%
Cystic Fibrosis Related	Masked-small numbers	Masked-small numbers
Monogenic	Masked-small numbers	Masked-small numbers
Other	2.5 %	2.5 %
Not Specified	Masked-small numbers	Masked-small numbers
Missing	Masked-small numbers	Masked-small numbers

Percent (%)

Yorkshire and Humber [2741 cases] 2019

England & Wales [29242 cases] 2019

(© RCPCH NPDA Online / Net Solving 2017)

Ethnicity Breakdown for YH Network

Ethnicity breakdown

Ethnicity	Yorkshire and Humber	England & Wales
White	80.3%	78.3%
Black	2.4%	4.1%
Asian	10.0%	7.5%
Mixed	2.6%	3.1%
Other	2.0%	2.0%
Not stated	2.7%	4.9%
Missing	Masked-small numbers	Masked-small numbers

Percent (%)

Yorkshire and Humber [2741 cases] 2019

England & Wales [29242 cases] 2019

(© RCPCH NPDA Online / Net Solving 2017)
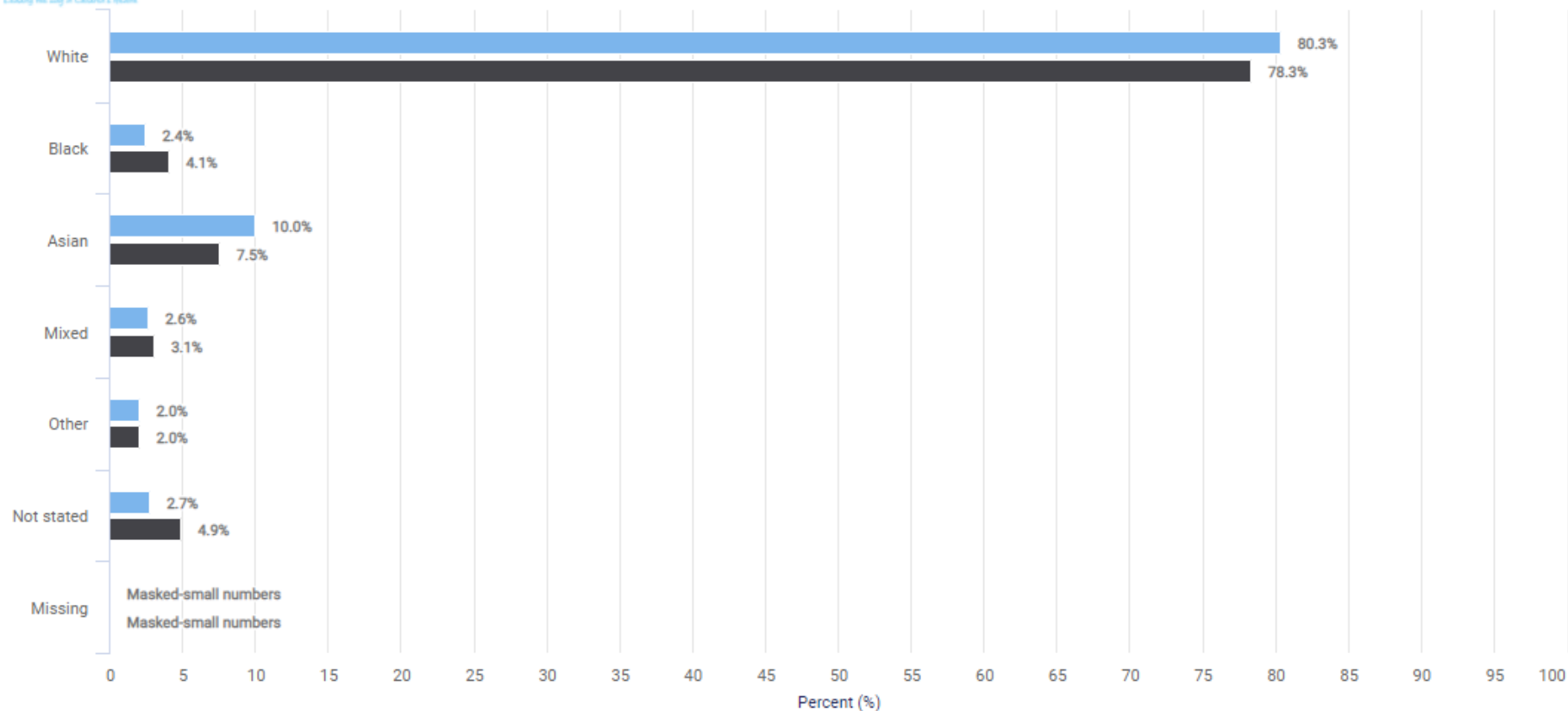
Age Breakdown for YH Network

Age of children and young people included in the audit

Age	Yorkshire and Humber	England & Wales
0-4 yrs	5.1%	5.2%
5-9 yrs	19.8%	20.6%
10-14 yrs	42.6%	42.1%
15-19 yrs	32.5%	32.1%
20-24 yrs	Masked-small numbers	Masked-small numbers

Percent (%)

Yorkshire and Humber
[2741 cases]
2019

England & Wales
[29242 cases]
2019
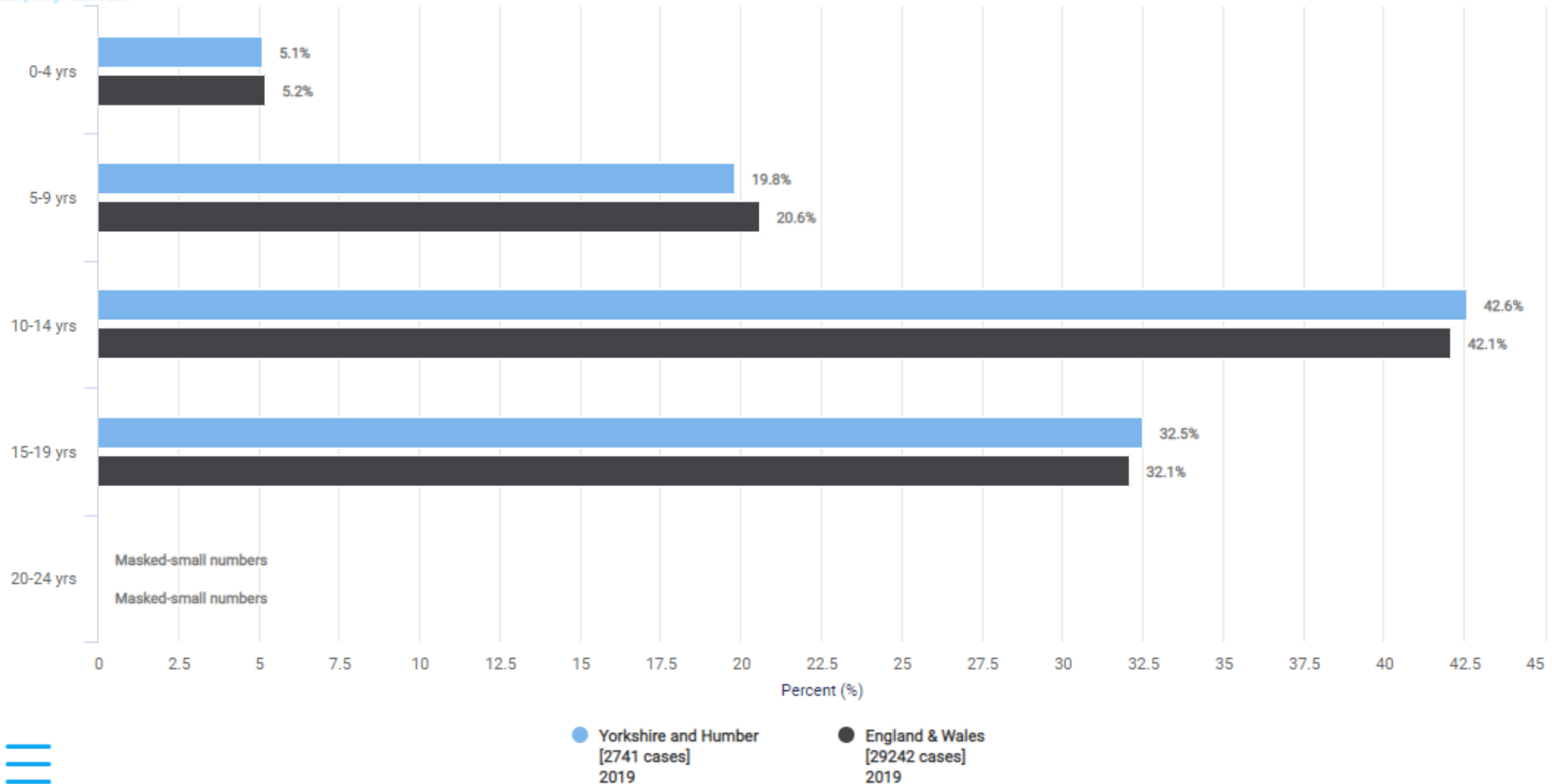
Percentage of CYP with T1 within BMI categories for YH Network

Percent (%)

- ● Yorkshire and Humber [2541 cases] 2019
- ● England & Wales [26960 cases] 2019
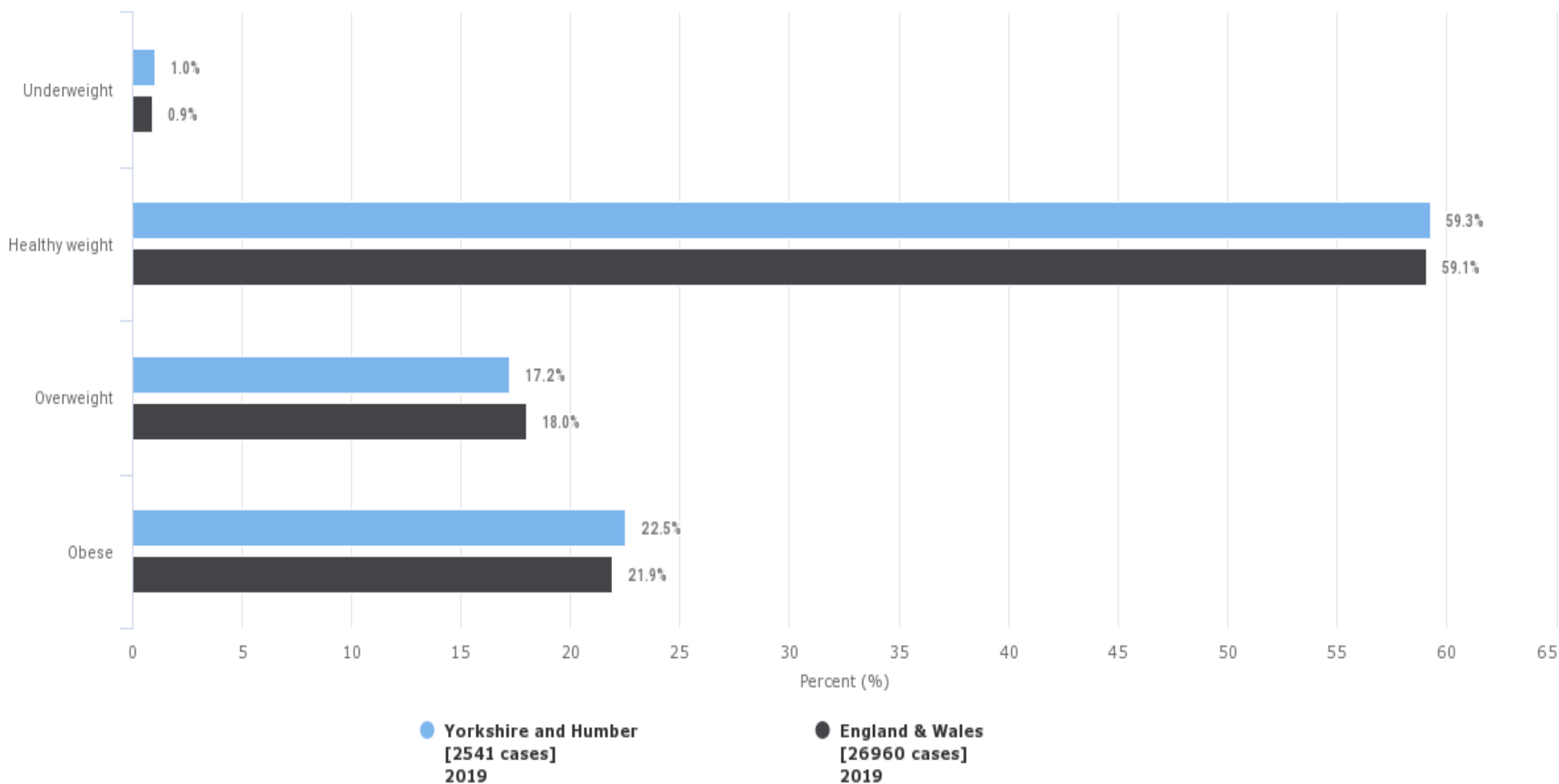
Breakdown of HbA1c outcomes in Yorkshire and Humber region

Mean Adjusted HbA1c

when compared with the rest of England and Wales

National average – 65.0

As a network we are the 4th best performing with a mean adjusted HbA1c – 65.0

Last year the network were the 5th best performing

mmol/mol

70

60

50

40

30

20

10

0

East Midlands | North East | South Central | Yorkshire and Humber | London and South East | Wales | South West | West Midlands | North West | East of England

All Units   Yorkshire and Humber

Figure 20: Adjusted mean HbA1c

Dewsbury 67

Scunthorpe 65.4

York 72.2

Bradford 65.4

Calderdale&Huddersfield 66.4

Pindersfield and Pontefract 68.2

Hull 68.8

National average – 65.0

All other units
Units in Yorkshire and Humber
PZ101

National mean (E&W)
2SD
3SD

Bassetlaw 63

Scarborough 62.9

Grimsby 60.3

Doncaster 63.6

Barnsley 63.6

Sheffield 59

Leeds 63.9

Rotherham 64.7

2019/2020

Adjusted mean Hba1c for children and young people with Type 1 diabetes

Number of children and young people with Type 1 diabetes

West Yorkshire and Harrogate Teams
Mean adjusted HbA1c for CYP with T1 (mmol/mol)

National Average 65.0

Mean adjusted HbA1c for children and young people with Type 1 diabetes (mmol/mol)

Leeds 63.9

Bradford 65.4

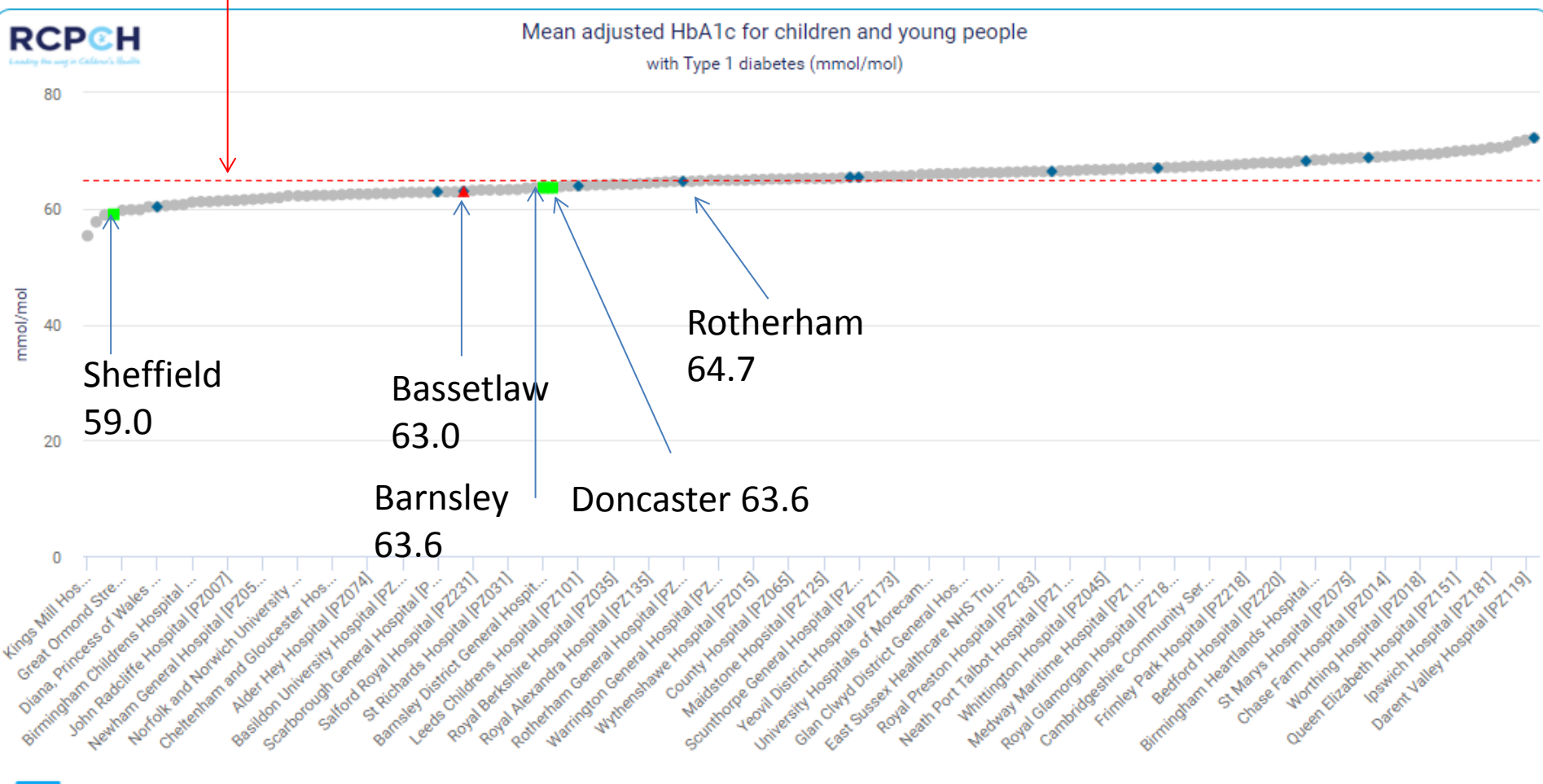Calderdale&Huddersfield 66.4

Dewsbury 67

Pindersfield and Pontefract 68.2
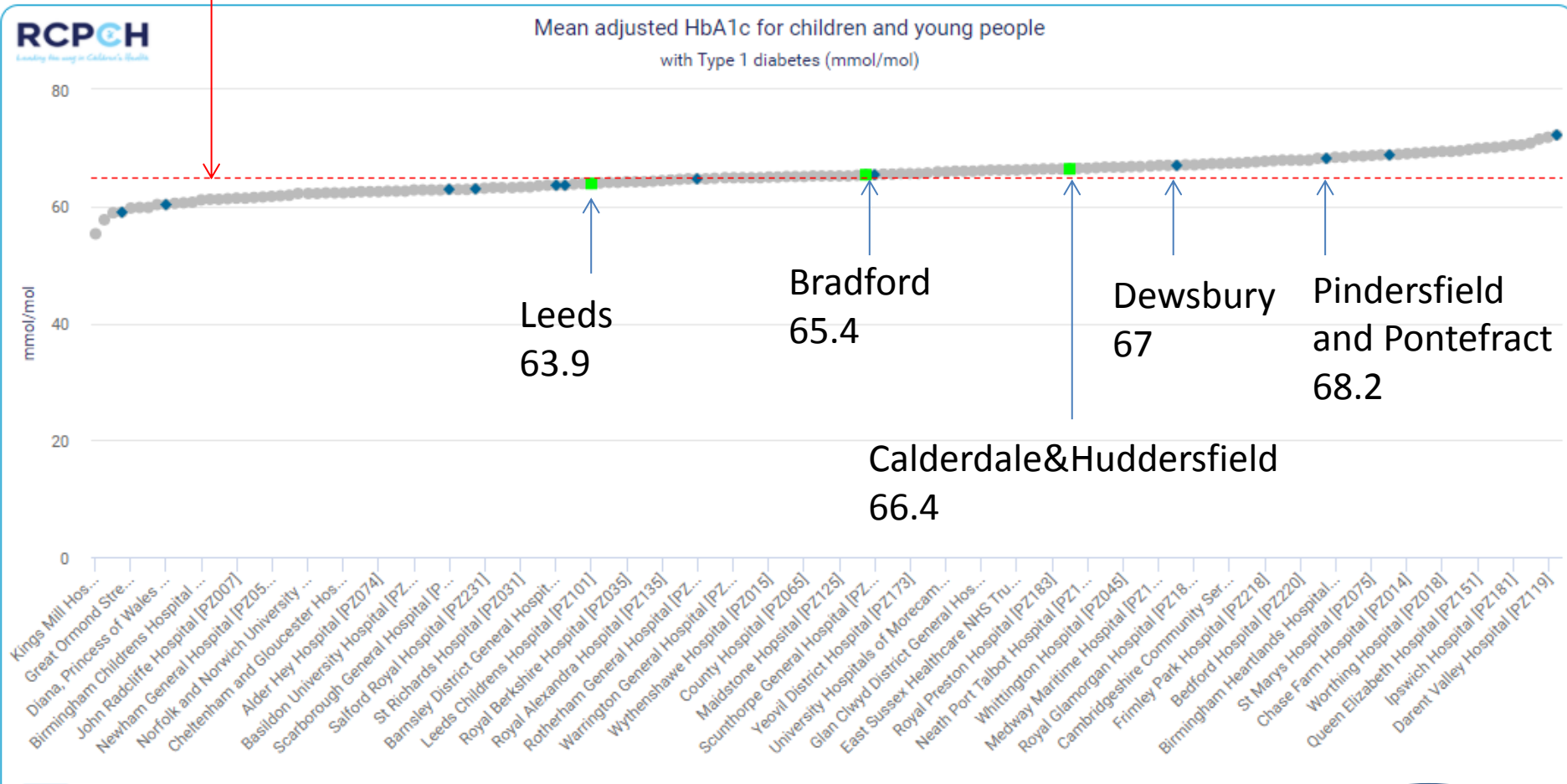
Airedale & Harrogate unable to submit

2019/2020

South Yorkshire & Bassetlaw Teams
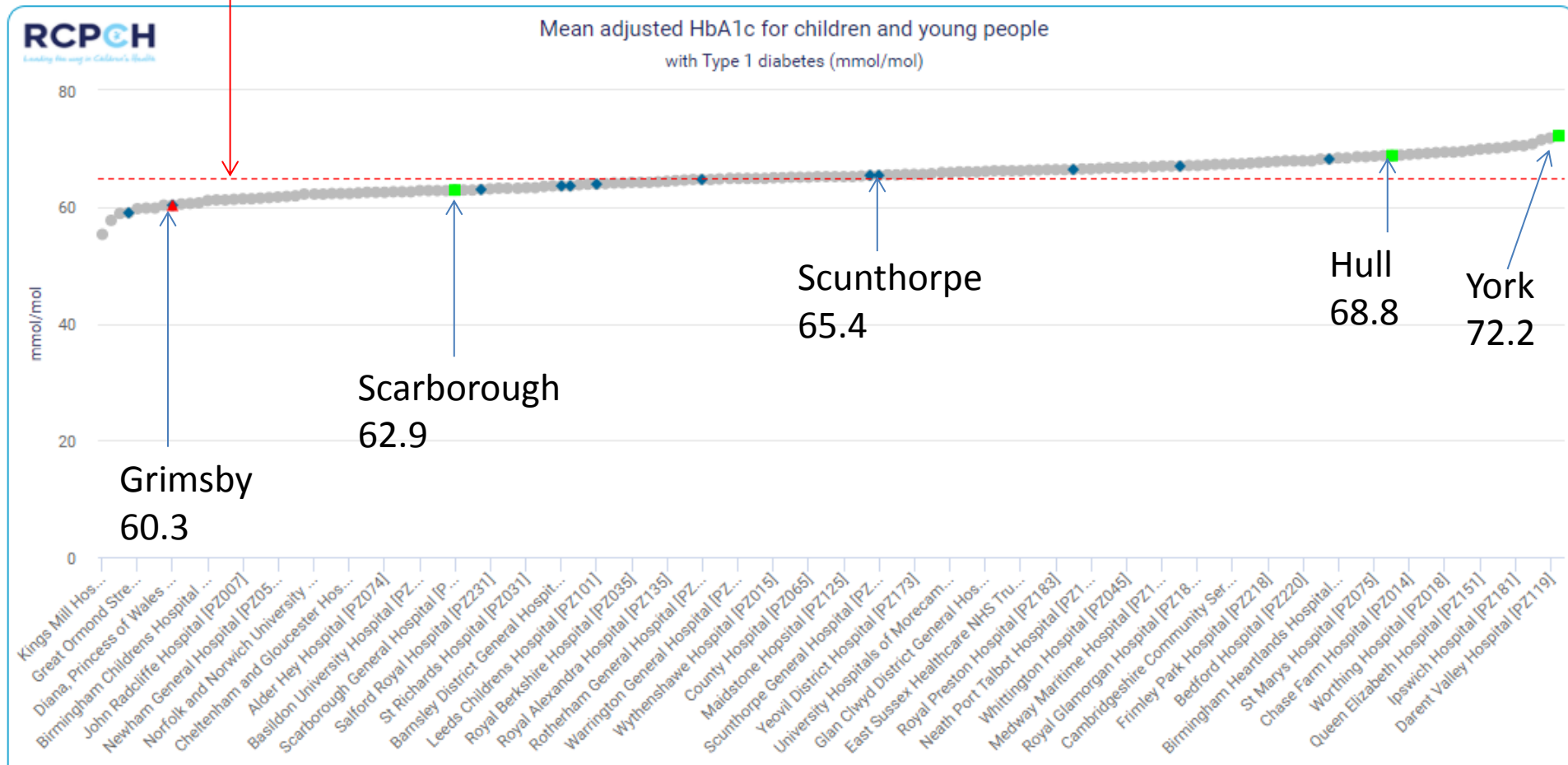**Mean adjusted HbA1c for CYP with T1 (mmol/mol)**

National Average 65.0

Mean adjusted HbA1c for children and young people with Type 1 diabetes (mmol/mol)

Sheffield 59.0

Bassetlaw 63.0

Barnsley 63.6

Doncaster 63.6

Rotherham 64.7

2019/2020

Humber, Coast & Vale Teams
Mean adjusted HbA1c for CYP with T1 (mmol/mol)

National Average 65.0

Mean adjusted HbA1c for children and young people with Type 1 diabetes (mmol/mol)

Scunthorpe 65.4

Hull 68.8

York 72.2

Scarborough 62.9

Grimsby 60.3

2019/2020

Median (unadjusted) HbA1c for Children and Young People with Type 1 Diabetes

Median HbA1c for children and young people with Type 1 diabetes in Mmol/mol

Year	Median (mmol/mol)
2014-2015	67.0
2015-2016	65.5
2016-2017	65.0
2017-2018	65.0
2018-2019	62.0
2019-2020	62.0
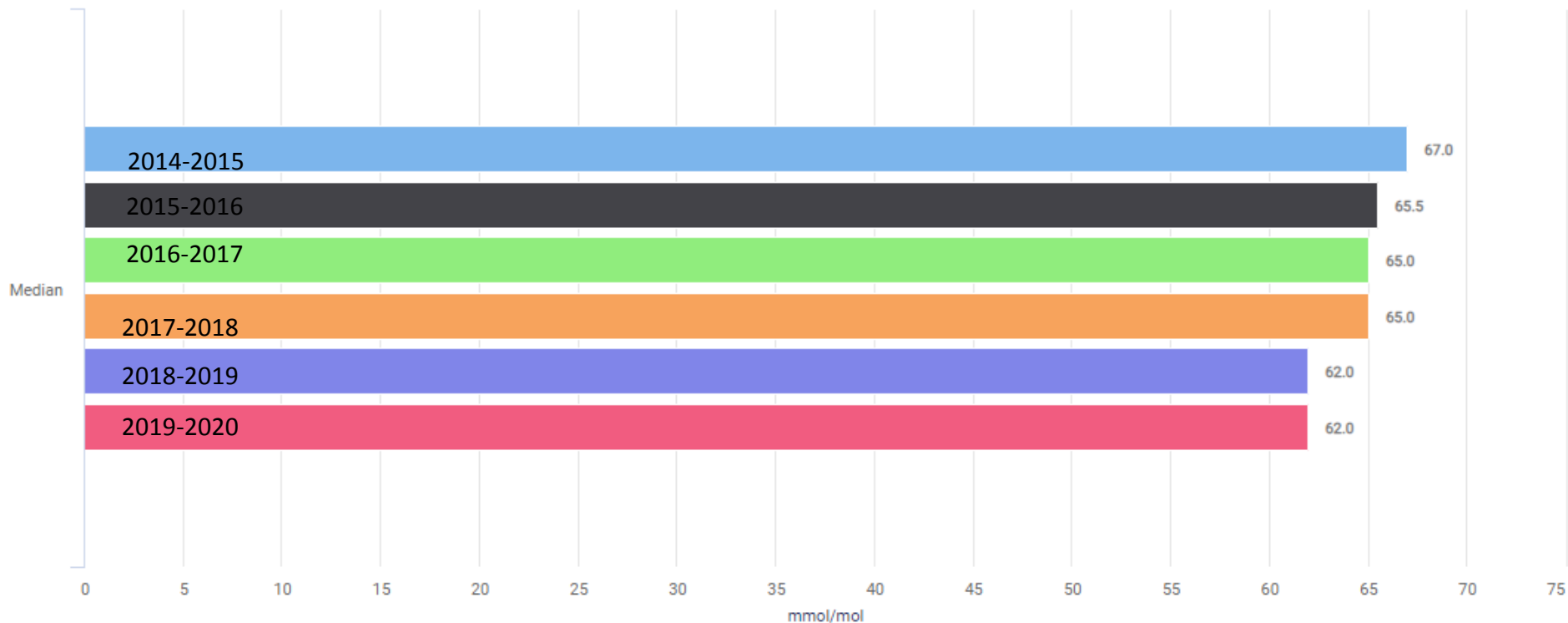
Yorkshire and Humber [2580 cases] 2014/15
Yorkshire and Humber [2552 cases] 2015/16
Yorkshire and Humber [2532 cases] 2016/17
Yorkshire and Humber [2546 cases] 2017/18
Yorkshire and Humber [2621 cases] 2018/19
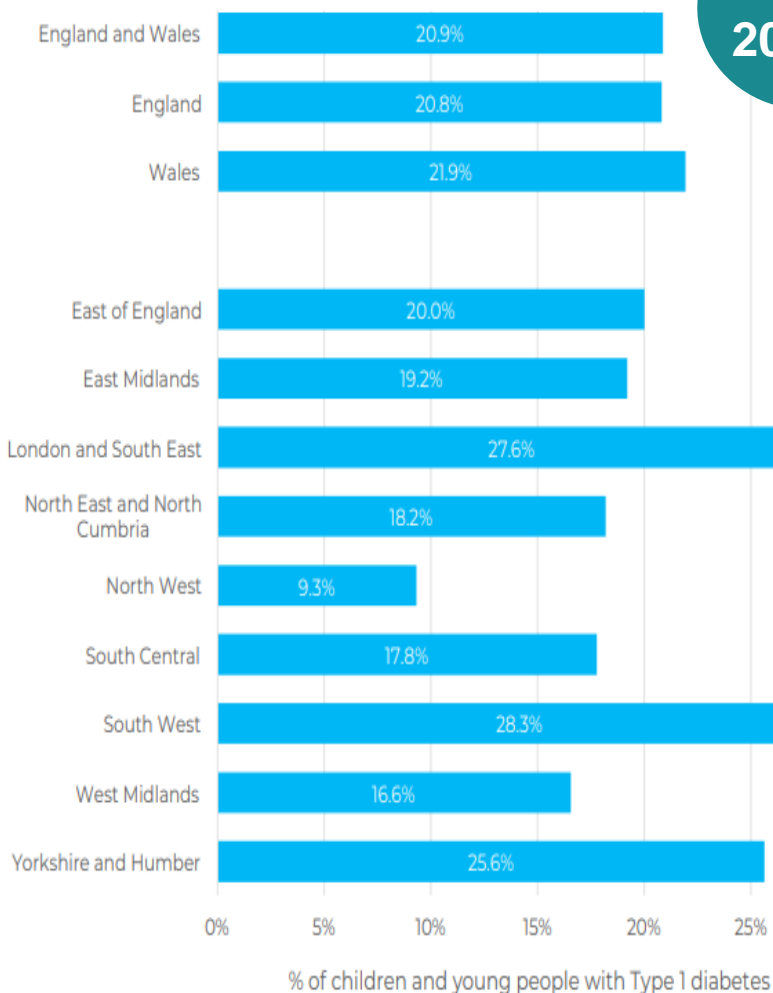Yorkshire and Humber [2461 cases] 2019/20

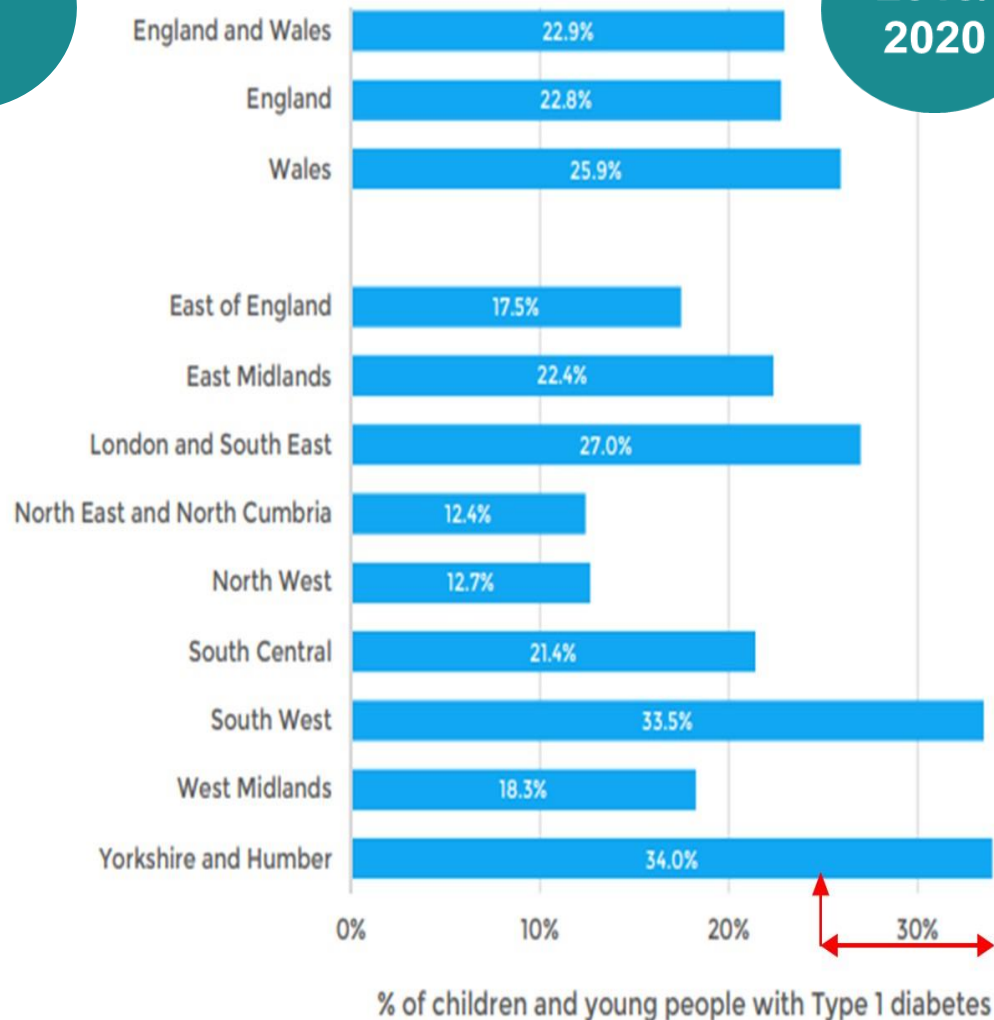# Breakdown of DKA outcomes in Yorkshire and Humber region

DKA at Diagnosis by Regional Network

2018/2019

Region	%
England and Wales	20.9%
England	20.8%
Wales	21.9%
East of England	20.0%
East Midlands	19.2%
London and South East	27.6%
North East and North Cumbria	18.2%
North West	9.3%
South Central	17.8%
South West	28.3%
West Midlands	16.6%
Yorkshire and Humber	25.6%

% of children and young people with Type 1 diabetes

2019/2020

Region	%
England and Wales	22.9%
England	22.8%
Wales	25.9%
East of England	17.5%
East Midlands	22.4%
London and South East	27.0%
North East and North Cumbria	12.4%
North West	12.7%
South Central	21.4%
South West	33.5%
West Midlands	18.3%
Yorkshire and Humber	34.0%

% of children and young people with Type 1 diabetes

Breakdown of 7 Key Care Processes in Yorkshire and Humber region

Percentage of Children and Young People receiving each individual key care process

Y&H are better than the national average on 7/7 care processes. Which is a big improvement compared to 18/19 data.

Care process	Yorkshire and Humber 2019	England & Wales 2019
HbA1c	99.8%	99.7%
Blood Pressure	99.3%	96.5%
Thyroid	90.6%	87.8%
BMI	99.6%	99.3%
Albuminuria	85.1%	79.1%
Eye screening	82.8%	74.5%
Foot examination	88.4%	84.3%

Percent (%)

● **Yorkshire and Humber**
[1275 cases]
2019

● **England & Wales**
[13266 cases]
2019
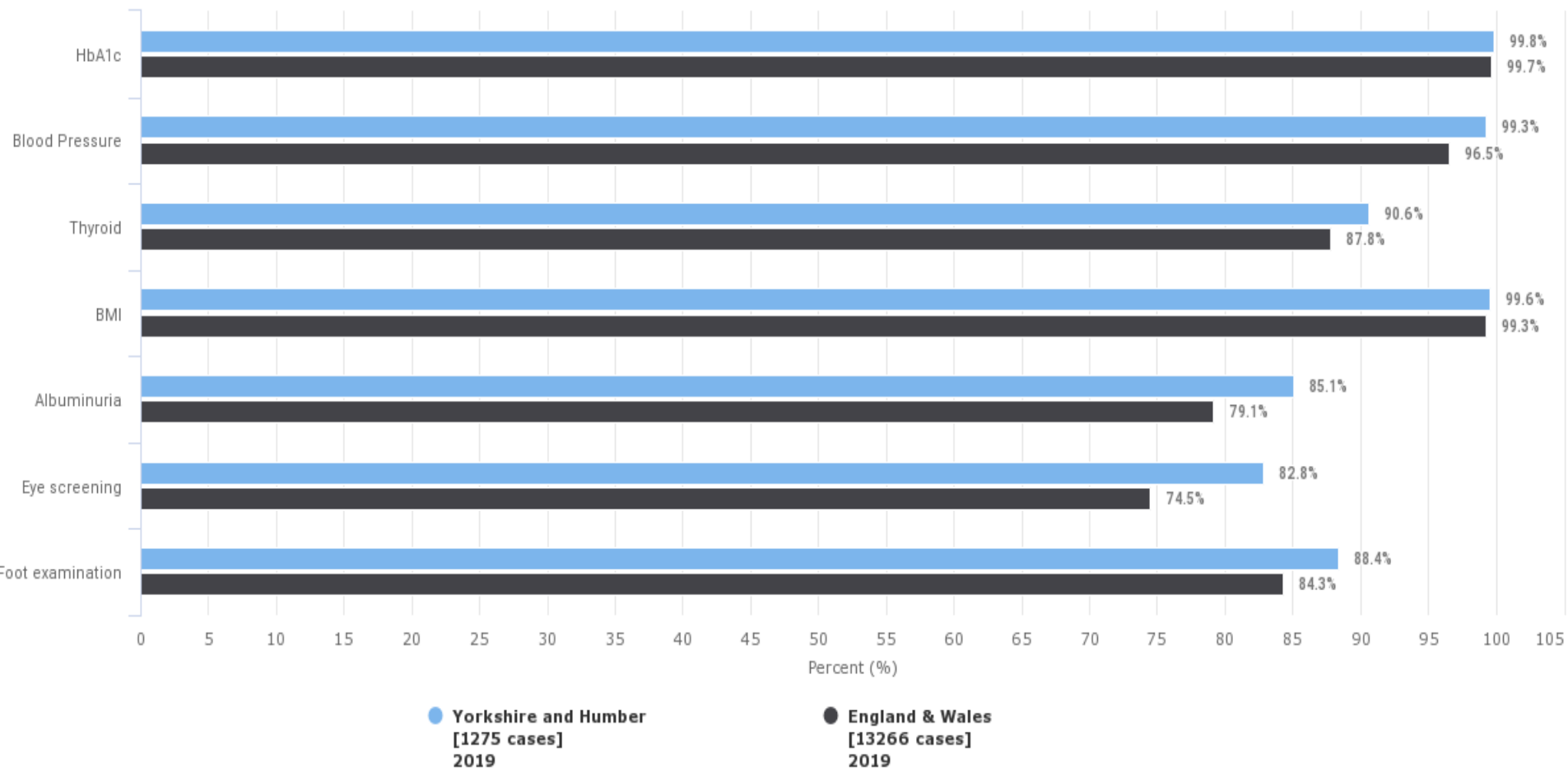
Breakdown of Technology usage in Yorkshire and Humber region

Treatment Regimen Breakdown for T1
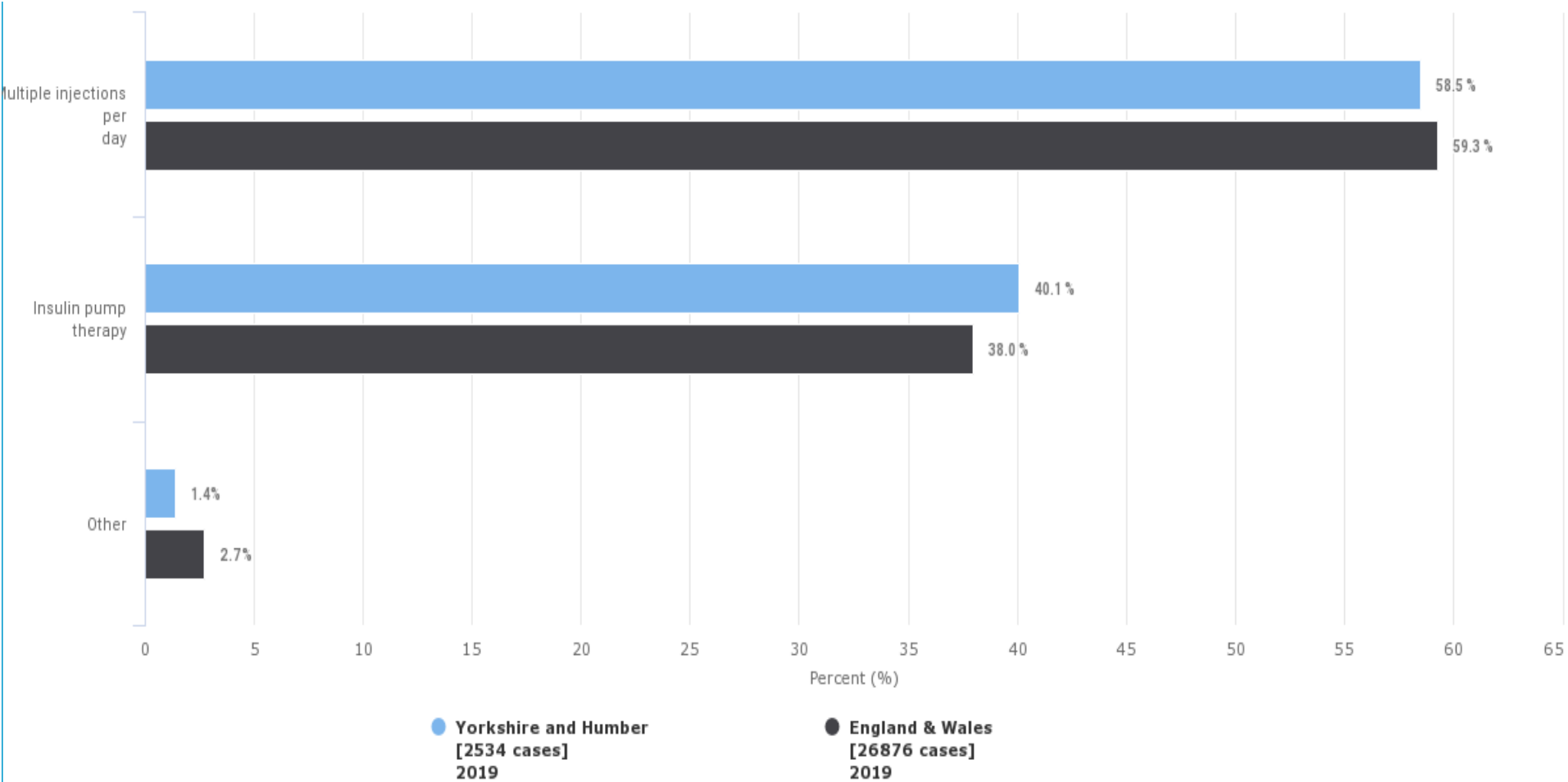
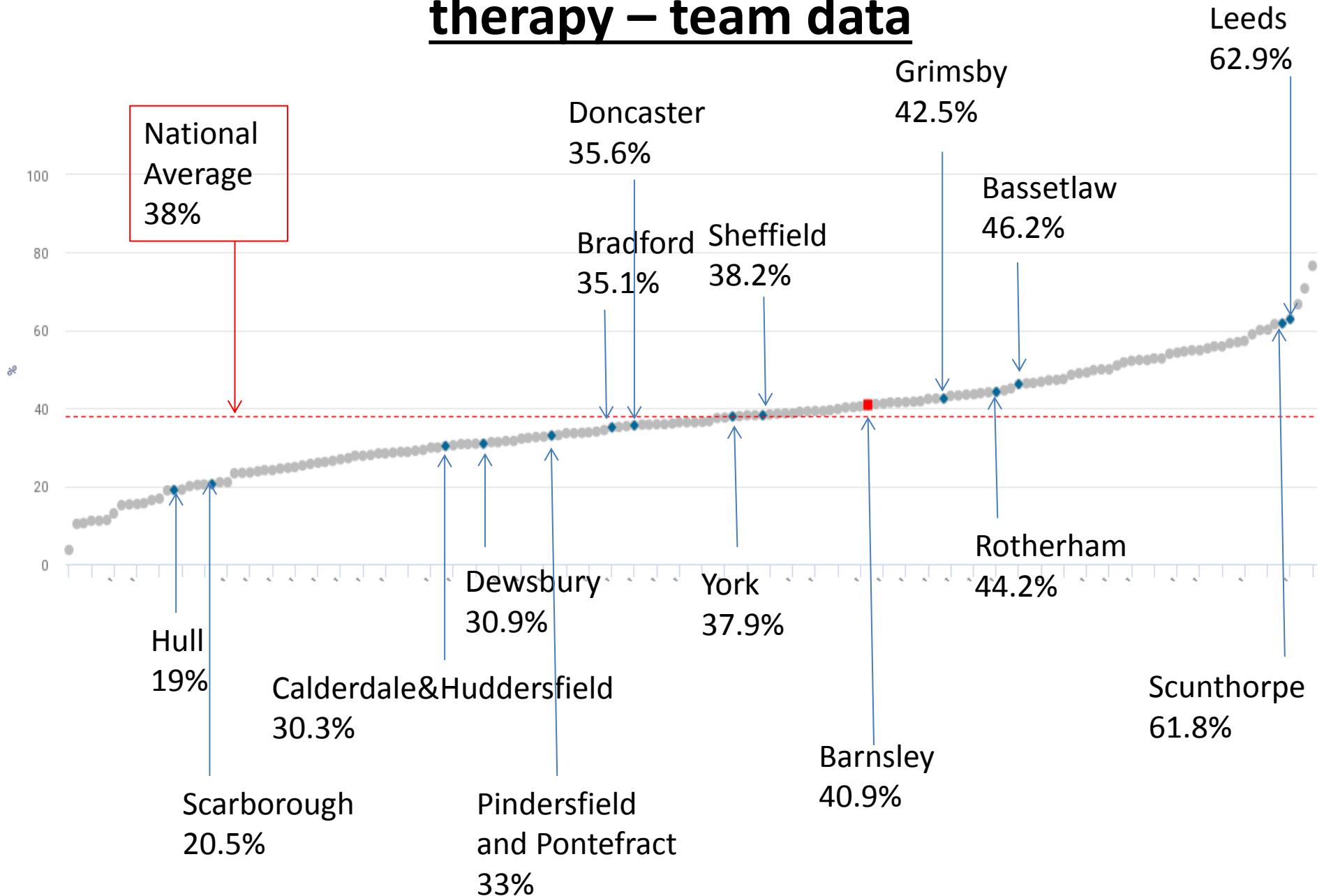# Percentage of CYP with T1 using a CGM with alarms in YH Region

National Average 19.4%

Percentage of CYP with T1 using insulin pump therapy in YH Region

National Average 38%

Percentage of CYP with T1 using insulin pump therapy – team data

National Average 38%

Leeds 62.9%

Grimsby 42.5%

Doncaster 35.6%

Bassetlaw 46.2%

Bradford 35.1%

Sheffield 38.2%

Dewsbury 30.9%

York 37.9%

Rotherham 44.2%

Hull 19%

Calderdale&Huddersfield 30.3%

Scarborough 20.5%

Pindersfield and Pontefract 33%

Barnsley 40.9%

Scunthorpe 61.8%

Percentage of CYP with T1 using a CGM with alarms – team data

National Average 19.4%

Bassetlaw 26.9%

Scarborough 21.7%

Hull 33.7%

Barnsley 5.5%

Leeds 15.5%

Dewsbury 5.4%

Calderdale&Huddersfield 3.4%

Doncaster 12.1%

York 12.1%

Rotherham 20.7%

Sheffield 42.6%

Grimsby 29.2%

Bradford 4.6%

Pindersfield and Pontefract 7.9%

Scunthorpe 20.9%
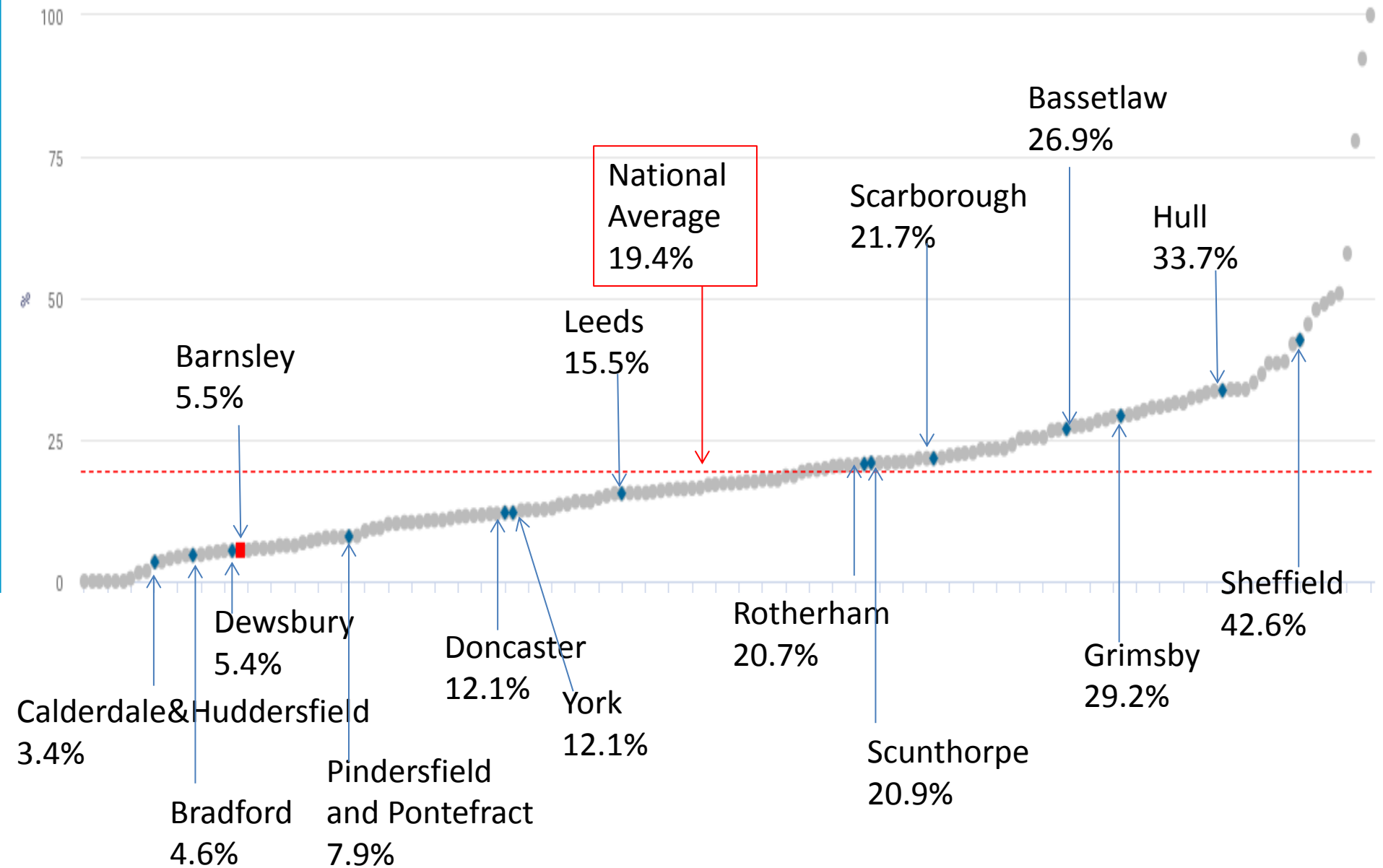
Pump usage by deprivation %

	Most deprived		Second most deprived		Third least deprived		Second least deprived		Least deprived	
	Total number of children with known pump use, living in the most deprived areas	% Pump usage	Total number of children with known pump use, living in the second most deprived areas	% Pump usage	Total number of children with known pump use, living in the third least deprived areas	% Pump usage	Total number of children with known pump use, living in the second least deprived areas	% Pump usage	Total number of children with known pump use, living in the least deprived areas	% Pump usage
Pindersfield & Pontefract	77	26.0%	40	32.5%	34	32.4%	34	29.4%	18	72.2%
Dewsbury	55	23.6%	20	20.0%	15	53.3%	18	38.9%	*	*
Calderdale&Huddersfield	76	28.9%	46	28.3%	33	33.3%	42	28.6%	11	45.5%
Leeds	134	47.0%	48	62.5%	77	67.5%	82	70.7%	90	75.6%
Bradford	112	30.4%	35	31.4%	10	60.0%	7	85.7%	*	*
Harrogate										
Airedale										
Doncaster	70	25.7%	28	39.3%	35	37.1%	25	28.0%	16	81.3%
Bassetlaw	15	60.0%	18	22.2%	16	50.0%	24	50.0%	5	60.0%
Grimsby	33	36.4%	19	52.6%	10	40.0%	22	40.9%	22	45.5%
Hull	71	14.1%	41	9.8%	35	17.1%	38	18.4%	52	34.6%
Scunthorpe	26	53.8%	24	58.3%	18	77.8%	28	64.3%	14	57.1%
Scarborough	27	22.2%	19	15.8%	20	20.0%	12	33.3%	5	0.0%
York	6	0.0%	12	33.3%	20	35.0%	38	31.6%	77	45.5%
Barnsley	50	36.0%	31	45.2%	26	42.3%	15	40.0%	10	50.0%
Rotherham	60	35.0%	18	61.1%	12	41.7%	20	60.0%	*	*
Sheffield	108	30.6%	16	37.5%	37	40.5%	35	34.3%	32	65.6%

CGM use by deprivation %

	Most deprived		Second most deprived		Third least deprived		Second least deprived		Least deprived	
	Total number of children with known CGM use, living in the most deprived areas	% CGM usage	Total number of children with known CGM use, living in the second most deprived areas	% CGM usage	Total number of children with known CGM use, living in the third least deprived areas	% CGM usage	Total number of children with known CGM use, living in the second least deprived areas	% CGM usage	Total number of children with known CGM use, living in the least deprived areas	% CGM usage
Pindersfield & Pontefract	77	9.1%	40	5.0%	34	2.9%	34	5.9%	18	22.2%
Dewsbury	56	1.8%	20	0.0%	15	0.0%	18	27.8%	*	*
Calderdale&Huddersfield	76	1.3%	46	4.3%	33	3.0%	42	4.8%	11	9.1%
Leeds	134	6.7%	48	14.6%	79	22.8%	82	19.5%	90	18.9%
Bradford	116	6.0%	36	2.8%	10	0.0%	7	0.0%	*	*
Harrogate										
Airedale										
Doncaster	70	5.7%	28	14.3%	35	14.3%	25	8.0%	16	37.5%
Bassetlaw	15	20.0%	18	11.1%	16	43.8%	24	37.5%	5	0.0%
Grimsby	33	27.3%	19	15.8%	10	30.0%	22	31.8%	22	40.9%
Hull	21	33.3%	14	28.6%	8	25.0%	16	18.8%	24	50.0%
Scunthorpe	26	26.9%	24	16.7%	18	33.3%	28	14.3%	14	14.3%
Scarborough	27	14.8%	19	15.8%	20	30.0%	12	41.7%	5	0.0%
York	6	0.0%	11	9.1%	21	19.0%	35	8.6%	68	13.2%
Barnsley	50	4.0%	30	10.0%	25	4.0%	14	7.1%	9	0.0%
Rotherham	62	11.3%	19	26.3%	12	33.3%	20	40.0%	*	*
Sheffield	69	39.1%	13	38.5%	24	62.5%	24	25.0%	25	52.0%

Pump use by ethnicity %

	White ethnicity		Non-white ethnicity	
	Total number of children with known pump use and white ethnicity	% Pump usage	Total number of children with known pump use and non-white ethnicity	% Pump usage
Pindersfield & Pontefract	195	33.3%	8	25.0%
Dewsbury	77	39.0%	33	12.1%
Calderdale&Huddersfield	152	34.9%	56	17.9%
Leeds	324	63.9%	86	55.8%
Bradford	85	44.7%	83	25.3%
Harrogate				
Airedale				
Doncaster	168	35.7%	6	33.3%
Bassetlaw	76	44.7%	*	*
Grimsby	101	43.6%	5	20.0%
Hull	216	17.6%	10	40.0%
Scunthorpe	102	61.8%	7	57.1%
Scarborough	81	21.0%	*	*
York	122	39.3%	5	40.0%
Barnsley	128	41.4%	*	*
Rotherham	102	43.1%	10	50.0%
Sheffield	161	42.2%	59	25.4%

CGM use by ethnicity %

	White ethnicity		Non-white ethnicity	
	Total number of children with known CGM use and white ethnicity	% CGM usage	Total number of children with known CGM use and non-white ethnicity	% CGM usage
Pindersfield & Pontefract	195	8.2%	8	0.0%
Dewsbury	78	5.1%	33	6.1%
Calderdale&Huddersfield	152	4.6%	56	0.0%
Leeds	325	16.0%	86	5.8%
Bradford	87	9.2%	86	0.0%
Harrogate				
Airedale				
Doncaster	168	12.5%	6	0.0%
Bassetlaw	76	27.6%	*	*
Grimsby	101	28.7%	5	40.0%
Hull	76	32.9%	*	*
Scunthorpe	102	22.5%	7	0.0%
Scarborough	81	22.2%	*	*
York	110	10.0%	5	0.0%
Barnsley	124	4.8%	*	*
Rotherham	105	21.9%	10	10.0%
Sheffield	117	46.2%	32	28.1%