



Royal College
of Physicians

NACAP

National Asthma and Chronic Obstructive
Pulmonary Disease Audit Programme (NACAP)

Adult asthma clinical audit 2018/19

Adults with asthma attacks admitted to hospitals in England, Scotland
and Wales from 1 November 2018 and discharged by 31 March 2019

Benchmarked key indicators

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Imperial College
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Benchmarking of key indicators for participating hospitals

Table 1 shows the national medians, lower quartiles and upper quartiles for the key indicators that have been presented in the unadjusted benchmarking of hospitals (Table 2). The values presented in Table 2 have been derived by the method shown visually in the box and whisker plot (Fig 1). More specifically, to create the 'box', data for each key indicator were ordered numerically from smallest (whisker; P0) to largest (whisker; P100) to find the median (P50), the middle point of the values. The data are divided into two halves, which are then divided in half again to identify the lower quartile (P25) and the upper quartile (P75).

Please note that small case numbers should be treated with caution as they are less likely to provide an accurate picture of the average level of care delivered to patients across these key indicators.

Table 1. The median and interquartile ranges for each key indicator

Median and interquartile ranges (%)	Key indicators			
	Cases audited ¹	Peak expiratory flow taken following arrival at hospital (%)	Six elements of good practice care carried out before discharge (%) ²	Current smoker had tobacco dependency addressed at discharge (%)
Lower quartile	29	67%	0%	43%
Median	52	79%	19%	62%
Upper quartile	83	86%	51%	80%

¹ The number of cases audited is not necessarily the denominator for any of the key indicators given.

² The six elements of good practice care before discharge included in this indicator are: inhaler technique checked, maintenance medication reviewed, adherence discussed, personalised asthma action plan issued/reviewed, tobacco dependency addressed (if a current smoker) and follow up (either community follow up requested within 2 working days and/or specialist review requested within 4 weeks).

The colours refer to the quartile in which each result lies:

Red = Result equal to or below lower quartile for that indicator

Amber = Result above lower quartile but below upper quartile for that indicator

Green = Result equal to or above upper quartile for that indicator

Grey = Not applicable as no current smokers audited

Fig 1. Box and whisker plot

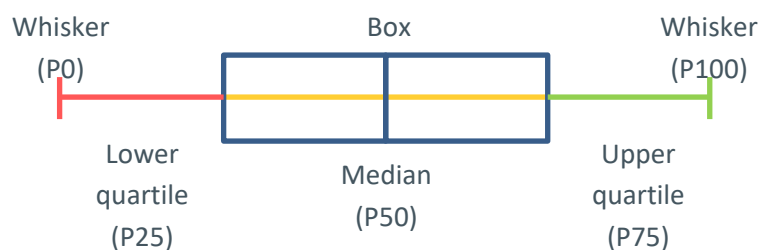


Table 2. Unadjusted benchmarking of key indicators for hospitals in England, Scotland and Wales

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Addenbrooke's Hospital	Cambridge University Hospitals NHS Foundation Trust	106	69%	98%	100%
Airedale General Hospital	Airedale NHS Foundation Trust	83	68%	23%	40%
Barnet General Hospital	Royal Free <i>London</i> NHS Foundation Trust	55	63%	18%	50%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Barnsley District General Hospital	Barnsley Hospital NHS Foundation Trust	107	72%	36%	68%
Basildon Hospital	Basildon and Thurrock University Hospitals NHS Foundation Trust	113	77%	59%	63%
Basingstoke and North Hampshire Hospital	Hampshire Hospitals NHS Foundation Trust	5	40%	20%	100%
Bassetlaw District General Hospital	Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust	28	81%	4%	50%
Bedford Hospital	Bedford Hospital NHS Trust	54	60%	24%	64%
Birmingham City Hospital	Sandwell and West Birmingham Hospitals NHS Trust	94	79%	41%	65%
Birmingham Heartlands Hospital	University Hospitals Birmingham NHS Foundation Trust	65	81%	3%	14%
Bradford Royal Infirmary	Bradford Teaching Hospitals NHS Foundation Trust	230	65%	0%	45%
Bristol Royal Infirmary	University Hospitals Bristol NHS Foundation Trust	90	90%	54%	67%
Calderdale Royal Hospital	Calderdale and Huddersfield NHS Foundation Trust	48	98%	96%	100%
Charing Cross Hospital	Imperial College Healthcare NHS Trust	52	90%	56%	83%
Chelsea & Westminster Hospital	Chelsea And Westminster Hospital NHS Foundation Trust	56	67%	0%	7%
Cheltenham General Hospital	Gloucestershire Hospitals NHS Foundation Trust	8	43%	38%	NA
Chesterfield Royal	Chesterfield Royal Hospital NHS Foundation Trust	50	66%	80%	64%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Chorley Hospital	Lancashire Teaching Hospitals NHS Foundation Trust	54	63%	0%	79%
Colchester General Hospital	East Suffolk and North Essex NHS Foundation Trust	47	92%	49%	75%
Conquest Hospital	East Sussex Healthcare NHS Trust	32	55%	0%	43%
Countess of Chester Hospital	Countess of Chester Hospital NHS Foundation Trust	28	96%	4%	57%
County Hospital (Stafford)	University Hospitals of North Midlands NHS Trust	35	76%	11%	50%
County Hospital Hereford	Wye Valley NHS Trust	<5	100%	100%	NA
Croydon University Hospital	Croydon Health Services NHS Trust	100	66%	1%	10%
Cumberland Infirmary	North Cumbria University Hospitals NHS Trust	14	67%	29%	50%
Darent Valley Hospital	Dartford and Gravesham NHS Trust	33	76%	3%	0%
Darlington Memorial Hospital	County Durham and Darlington NHS Foundation Trust	47	82%	45%	80%
Derriford Hospital	University Hospitals Plymouth NHS Trust	52	85%	46%	73%
Diana, Princess of Wales Hospital	Northern Lincolnshire and Goole NHS Foundation Trust	42	62%	24%	50%
Doncaster Royal Infirmary	Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust	45	95%	68%	100%
Dorset County Hospital	Dorset County Hospital NHS Foundation Trust	62	38%	0%	45%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Ealing Hospital	London North West University Healthcare NHS Trust	108	92%	10%	100%
East Surrey Hospital	Surrey and Sussex Healthcare NHS Trust	10	67%	10%	67%
Eastbourne District General Hospital	East Sussex Healthcare NHS Trust	6	0%	17%	100%
Epsom Hospital	Epsom and St Helier University Hospitals NHS Trust	34	74%	15%	67%
Fairfield General Hospital	Pennine Acute Hospitals NHS Trust	86	70%	17%	56%
Frimley Park Hospital	Frimley Health NHS Foundation Trust	100	78%	62%	72%
Furness General	University Hospitals of Morecambe Bay NHS Foundation Trust	27	80%	63%	100%
George Eliot Hospital	George Eliot Hospital NHS Trust	50	83%	84%	78%
Glenfield Hospital	University Hospitals of Leicester NHS Trust	100	88%	28%	48%
Gloucestershire Royal Hospital	Gloucestershire Hospitals NHS Foundation Trust	20	94%	0%	40%
Grantham and District General Hospital	United Lincolnshire Hospitals NHS Trust	18	83%	50%	100%
Harrogate District Hospital	Harrogate and District NHS Foundation Trust	47	85%	0%	0%
Hillingdon Hospital	The Hillingdon Hospitals NHS Foundation Trust	79	91%	39%	60%
Hinchingbrooke Hospital	North West Anglia NHS Foundation Trust	46	61%	0%	0%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Homerton Hospital	Homerton University Hospital NHS Foundation Trust	80	83%	40%	66%
Hull Royal Infirmary	Hull University Teaching Hospitals NHS Trust	144	69%	46%	35%
James Cook University Hospital	South Tees Hospitals NHS Foundation Trust	40	77%	62%	80%
James Paget Hospital	James Paget University Hospitals NHS Foundation Trust	57	88%	33%	57%
John Radcliffe Hospital	Oxford University Hospitals NHS Foundation Trust	55	93%	62%	82%
Kettering General Hospital	Kettering General Hospital NHS Foundation Trust	31	60%	6%	40%
King George Hospital	Barking, Havering and Redbridge University Hospitals NHS Trust	36	72%	0%	18%
King's College Hospital	King's College Hospital NHS Foundation Trust	36	53%	61%	89%
Kings Mill Hospital	Sherwood Forest Hospitals NHS Foundation Trust	66	42%	2%	42%
Kingston Hospital	Kingston Hospital NHS Foundation Trust	56	91%	14%	50%
Leicester Royal Infirmary	University Hospitals of Leicester NHS Trust	<5	50%	0%	NA
Leighton Hospital	Mid Cheshire Hospitals NHS Foundation Trust	42	62%	0%	62%
Lincoln County Hospital	United Lincolnshire Hospitals NHS Trust	77	90%	13%	89%
Lister Hospital	East and North Hertfordshire NHS Trust	106	79%	66%	85%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Luton and Dunstable Hospital	Luton and Dunstable University Hospital NHS Foundation Trust	102	86%	72%	77%
Lymington New Forest Hospital	Southern Health NHS Foundation Trust	13	100%	15%	100%
Macclesfield District General Hospital	East Cheshire NHS Trust	13	69%	0%	100%
Maidstone General Hospital	Maidstone and Tunbridge Wells NHS Trust	59	88%	80%	70%
Manchester Royal Infirmary	Manchester University NHS Foundation Trust	28	88%	75%	100%
Manor Hospital	Walsall Healthcare NHS Trust	50	48%	2%	57%
Medway Maritime Hospital	Medway NHS Foundation Trust	56	78%	45%	64%
Musgrove Park Hospital	Taunton and Somerset NHS Foundation Trust	68	95%	85%	85%
New Cross Hospital	The Royal Wolverhampton NHS Trust	115	80%	51%	83%
Norfolk and Norwich Hospital	Norfolk and Norwich University Hospitals NHS Foundation Trust	103	80%	56%	67%
North Devon District Hospital	Northern Devon Healthcare NHS Trust	7	86%	0%	0%
North Manchester General Hospital	Pennine Acute Hospitals NHS Trust	82	86%	28%	44%
North Middlesex Hospital	North Middlesex University Hospital NHS Trust	46	69%	0%	50%
Northampton General Hospital	Northampton General Hospital NHS Trust	121	85%	27%	78%
Northern General Hospital	Sheffield Teaching Hospitals NHS Foundation Trust	48	98%	75%	94%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Northumbria Specialist Emergency Care Hospital	Northumbria Healthcare NHS Foundation Trust	98	87%	89%	78%
Northwick Park Hospital	London North West University Healthcare NHS Trust	227	79%	42%	88%
Nottingham City Hospital	Nottingham University Hospitals NHS Trust	183	89%	56%	84%
Pilgrim Hospital	United Lincolnshire Hospitals NHS Trust	77	68%	9%	11%
Pinderfields General Hospital	Mid Yorkshire Hospitals NHS Trust	30	90%	7%	75%
Poole General Hospital	Poole Hospital NHS Foundation Trust	78	93%	90%	90%
Princess Alexandra Hospital	The Princess Alexandra Hospital NHS Trust	40	95%	48%	75%
Princess Royal Hospital (Haywards Heath)	Brighton and Sussex University Hospitals NHS Trust	13	54%	0%	100%
Queen Elizabeth Hospital, Edgbaston	University Hospitals Birmingham NHS Foundation Trust	86	91%	34%	90%
Queen Elizabeth Hospital, Gateshead	Gateshead Health NHS Foundation Trust	21	48%	0%	0%
Queen Elizabeth Hospital, Woolwich	Lewisham and Greenwich NHS Trust	39	85%	0%	18%
Queen Elizabeth the Queen Mother Hospital	East Kent Hospitals University NHS Foundation Trust	31	83%	52%	86%
Queen's Hospital	University Hospitals of Derby and Burton NHS Foundation Trust	65	73%	74%	100%
Queen's Hospital Romford	Barking, Havering and Redbridge University Hospitals NHS Trust	82	66%	0%	33%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Rotherham General Hospital	The Rotherham NHS Foundation Trust	62	83%	0%	36%
Royal Albert Edward Infirmary	Wrightington, Wigan and Leigh NHS Foundation Trust	<5	75%	0%	0%
Royal Berkshire Hospital	Royal Berkshire NHS Foundation Trust	145	84%	6%	43%
Royal Blackburn Hospital	East Lancashire Hospitals NHS Trust	275	92%	49%	73%
Royal Bolton Hospital	Bolton NHS Foundation Trust	9	88%	44%	0%
Royal Bournemouth General Hospital	The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	89	75%	57%	80%
Royal Cornwall Hospital	Royal Cornwall Hospitals NHS Trust	115	80%	0%	48%
Royal Derby Hospital	University Hospitals of Derby and Burton NHS Foundation Trust	81	84%	56%	75%
Royal Devon and Exeter Hospital	Royal Devon and Exeter NHS Foundation Trust	56	82%	0%	43%
Royal Free Hospital	Royal Free London NHS Foundation Trust	56	88%	57%	56%
Royal Hampshire County Hospital	Hampshire Hospitals NHS Foundation Trust	69	20%	18%	80%
Royal Lancaster Infirmary	University Hospitals of Morecambe Bay NHS Foundation Trust	32	94%	69%	100%
Royal Liverpool University Hospital	Royal Liverpool and Broadgreen University Hospitals NHS Trust	82	65%	70%	71%
Royal Oldham Hospital	Pennine Acute Hospitals NHS Trust	61	66%	3%	22%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Royal Preston Hospital	Lancashire Teaching Hospitals NHS Foundation Trust	82	53%	0%	65%
Royal Stoke University Hospital	University Hospitals of North Midlands NHS Trust	202	65%	14%	21%
Royal Surrey County Hospital	Royal Surrey County Hospital NHS Foundation Trust	12	80%	0%	100%
Royal Sussex County Hospital	Brighton and Sussex University Hospitals NHS Trust	24	64%	0%	50%
Royal United Hospital Bath	Royal United Hospitals Bath NHS Foundation Trust	55	79%	51%	50%
Royal Victoria Infirmary	The Newcastle Upon Tyne Hospitals NHS Foundation Trust	23	43%	4%	40%
Russells Hall Hospital	The Dudley Group NHS Foundation Trust	54	76%	30%	93%
Salford Royal Hospital	Salford Royal NHS Foundation Trust	99	79%	0%	31%
Salisbury District Hospital	Salisbury NHS Foundation Trust	67	73%	64%	89%
Sandwell District Hospital	Sandwell and West Birmingham Hospitals NHS Trust	103	73%	11%	59%
Scarborough General Hospital	York Teaching Hospital NHS Foundation Trust	98	15%	27%	65%
Scunthorpe General Hospital	Northern Lincolnshire and Goole NHS Foundation Trust	74	84%	26%	67%
South Tyneside District Hospital	South Tyneside NHS Foundation Trust	62	82%	23%	70%
Southampton General Hospital	University Hospital Southampton NHS Foundation Trust	31	63%	3%	44%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Southend Hospital	Southend University Hospital NHS Foundation Trust	100	65%	36%	53%
Southmead Hospital	North Bristol NHS Trust	99	89%	47%	78%
Southport and Formby District General	Southport and Ormskirk Hospital NHS Trust	86	74%	2%	0%
St George's Hospital	St George's University Hospitals NHS Foundation Trust	22	50%	0%	67%
St Helier Hospital	Epsom and St Helier University Hospitals NHS Trust	38	85%	66%	20%
St James's University Hospital	Leeds Teaching Hospitals NHS Trust	36	83%	0%	0%
St Marys Hospital, Paddington	Imperial College Healthcare NHS Trust	121	95%	69%	58%
St Peter's Hospital	Ashford and St Peter's Hospitals NHS Foundation Trust	49	83%	0%	67%
St Richard's Hospital	Western Sussex Hospitals NHS Foundation Trust	30	73%	30%	62%
St Thomas' Hospital	Guy's and St Thomas' NHS Foundation Trust	<5	100%	100%	100%
Stepping Hill Hospital	Stockport NHS Foundation Trust	99	73%	1%	42%
Sunderland Royal Hospital	City Hospitals Sunderland NHS Foundation Trust	43	85%	0%	17%
Tameside General Hospital	Tameside And Glossop Integrated Care NHS Foundation Trust	101	46%	6%	17%
The Ipswich Hospital	East Suffolk and North Essex NHS Foundation Trust	12	75%	33%	100%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Torbay Hospital	Torbay and South Devon NHS Foundation Trust	98	58%	0%	53%
Tunbridge Wells Hospital	Maidstone and Tunbridge Wells NHS Trust	47	86%	89%	88%
University Hospital Coventry	University Hospitals Coventry and Warwickshire NHS Trust	143	61%	65%	85%
University Hospital Lewisham	Lewisham and Greenwich NHS Trust	19	74%	11%	100%
University Hospital of North Durham	County Durham and Darlington NHS Foundation Trust	74	70%	0%	62%
University Hospital of North Tees	North Tees and Hartlepool NHS Foundation Trust	172	78%	0%	45%
Victoria Hospital	Blackpool Teaching Hospitals NHS Foundation Trust	71	78%	24%	55%
Warrington District General Hospital	Warrington and Halton Hospitals NHS Foundation Trust	13	75%	77%	67%
Warwick Hospital	South Warwickshire NHS Foundation Trust	73	41%	3%	20%
Watford General Hospital	West Hertfordshire Hospitals NHS Trust	86	54%	23%	44%
West Middlesex University Hospital	Chelsea And Westminster Hospital NHS Foundation Trust	30	86%	27%	60%
West Suffolk Hospital	West Suffolk NHS Foundation Trust	10	90%	0%	33%
Wexham Park Hospital	Frimley Health NHS Foundation Trust	113	68%	35%	57%
Whiston Hospital	St Helens And Knowsley Teaching Hospitals NHS Trust	58	84%	5%	44%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
England (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Whittington Hospital	Whittington Health NHS Trust	67	70%	13%	0%
William Harvey Hospital	East Kent Hospitals University NHS Foundation Trust	28	79%	32%	43%
Worcestershire Royal Hospital	Worcestershire Acute Hospitals NHS Trust	31	43%	0%	0%
Worthing Hospital	Western Sussex Hospitals NHS Foundation Trust	34	76%	6%	43%
Wythenshawe Hospital	Manchester University NHS Foundation Trust	102	74%	22%	70%
York District Hospital	York Teaching Hospital NHS Foundation Trust	94	84%	57%	71%
Scotland (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Balfour Hospital	Orkney	5	40%	0%	0%
Dumfries and Galloway Royal Infirmary	Dumfries and Galloway	26	58%	0%	0%
Forth Valley Royal Hospital	Forth Valley	7	100%	43%	100%
Inverclyde Royal Hospital	Greater Glasgow & Clyde	35	83%	57%	100%
Ninewells Hospital	Tayside	8	50%	0%	50%
Wishaw General Hospital	Lanarkshire	15	80%	60%	NA

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
Wales (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Bronglais General Hospital	Hywel Dda University LHB	9	75%	0%	0%
Glan Clwyd Hospital	Betsi Cadwaladr University Health Board	26	73%	0%	88%
Glangwili General Hospital	Hywel Dda University LHB	13	67%	8%	50%
Llandough Hospital	Cardiff and Vale University LHB	74	89%	12%	46%
Morrison Hospital	Abertawe Bro Morgannwg University LHB	78	76%	0%	16%
Nevill Hall Hospital	Aneurin Bevan University LHB	14	100%	86%	100%
Prince Charles Hospital	Cwm Taf University LHB	34	87%	0%	50%
Princess of Wales Hospital	Abertawe Bro Morgannwg University LHB	41	95%	0%	42%
Prince Philip Hospital	Hywel Dda University LHB	26	92%	38%	67%
Royal Glamorgan	Cwm Taf University LHB	28	86%	0%	56%
Singleton Hospital	Abertawe Bro Morgannwg University LHB	37	86%	0%	0%
University Hospital of Wales	Cardiff and Vale University LHB	38	87%	8%	71%

Hospital name	Trust / health board name	Cases audited	Peak expiratory flow taken following arrival at hospital	Six elements of good practice care carried out before discharge	Current smoker had tobacco dependency addressed at discharge
		N	%	%	%
National medians		10,242	79%	19%	62%
Wales (Please note the number of cases audited is not necessarily the denominator for any of the key indicators given)					
Withybush General Hospital	Hywel Dda University LHB	12	82%	17%	100%
Ysbyty Ystrad Fawr	Aneurin Bevan University LHB	16	81%	0%	100%


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