

A Case for Change in COPD Management

The impact of proactive care pathway redesign on spell utilisation through 2014

PCT NAME	COPD SMR	COPD UTILISATION AS PROPORTION OF ALL SPELLS	4-YEAR % SPELL CHANGE (2010-2014)	2014 SAVINGS/POPULATION (1,000)	TOTAL SAVINGS (2010-2014)	2014 COPD SPELL SAVINGS/2008-9 COPD SPELL SPEND
Torbay Care Trust	77.9	1.2%	-33%	£1,628	£593,524	46%
Rotherham	110.9	2.6%	-35%	£3,449	£2,360,562	46%
Telford and Wrekin	95.3	1.3%	-31%	£1,574	£705,543	46%
Milton Keynes	116.1	1.2%	-26%	£1,529	£1,024,560	45%
Mid Essex	74.5	0.9%	-28%	£949	£980,215	45%
East Riding Of Yorkshire	87.5	1.7%	-30%	£1,909	£1,768,564	45%
Barnsley	132.1	2.4%	-33%	£3,608	£2,184,398	45%
Great Yarmouth and Waveney	93.4	1.5%	-31%	£1,798	£1,046,556	44%
Bassetlaw	117.1	1.3%	-30%	£1,568	£479,732	44%
Derby City	98.7	1.3%	-35%	£1,792	£1,162,748	44%
Suffolk	61.0	1.3%	-29%	£1,347	£2,211,641	44%
Plymouth Teaching	95.2	1.1%	-35%	£1,334	£907,022	44%
East Lancashire Teaching	120.9	1.5%	-33%	£1,836	£1,869,922	44%
Lincolnshire Teaching	88.2	1.1%	-30%	£1,384	£2,661,416	44%
Norfolk	69.8	1.2%	-32%	£1,298	£2,665,806	44%
Nottinghamshire County Teaching	102.3	1.1%	-31%	£1,309	£2,362,747	44%
Dudley	106.6	1.3%	-34%	£1,483	£1,214,373	44%
South Staffordshire	91.3	1.0%	-29%	£1,046	£1,763,882	43%
Tameside and Glossop	159.3	1.8%	-32%	£2,273	£1,513,680	43%
Calderdale	128.3	1.7%	-32%	£2,053	£1,102,158	43%
Cumbria Teaching	98.2	1.6%	-33%	£2,133	£2,841,983	43%
Oldham	132.4	1.4%	-34%	£2,020	£1,167,941	43%
Blackburn With Darwen	159.3	1.6%	-36%	£2,142	£766,114	43%
Wakefield District	143.9	1.9%	-33%	£2,647	£2,311,936	43%
Hartlepool	138.0	2.0%	-35%	£2,711	£634,348	43%
Eastern and Coastal Kent	107.2	1.2%	-30%	£1,404	£2,795,324	43%
County Durham	157.3	1.8%	-31%	£2,410	£3,271,924	43%
Ashton, Leigh and Wigan	125.2	1.3%	-32%	£1,767	£1,475,465	43%
North Lancashire Teaching	95.1	1.8%	-34%	£2,107	£1,845,325	43%
Derbyshire County	95.6	1.2%	-31%	£1,455	£2,885,166	43%
Darlington	105.2	1.7%	-33%	£2,233	£588,377	43%
North Lincolnshire	119.4	1.4%	-30%	£1,818	£781,160	43%
Northumberland Care Trust	110.8	1.6%	-31%	£2,064	£1,742,903	43%
Central and Eastern Cheshire	89.9	1.2%	-31%	£1,465	£1,829,941	43%
Devon	66.8	1.0%	-30%	£1,191	£2,424,365	43%
Cambridgeshire	72.6	1.1%	-29%	£1,171	£1,953,982	42%
North East Essex	77.0	1.2%	-31%	£1,288	£1,131,063	42%
Sefton	129.3	2.0%	-36%	£2,628	£1,877,438	42%
Bolton	128.9	1.3%	-34%	£1,724	£1,209,566	42%
Warrington	106.6	1.1%	-29%	£1,442	£775,894	42%
Gateshead	151.6	1.7%	-35%	£2,592	£1,278,693	42%
Bedfordshire	89.1	1.3%	-29%	£1,494	£1,696,879	42%
Redcar and Cleveland	127.3	2.0%	-34%	£2,495	£926,696	42%
Central Lancashire	118.7	1.4%	-31%	£1,799	£2,243,685	42%
Middlesbrough	162.5	2.1%	-36%	£2,971	£1,073,019	42%
Stoke On Trent	143.1	1.8%	-37%	£2,082	£1,341,716	42%
South East Essex	105.0	1.2%	-31%	£1,403	£1,272,687	42%
North East Lincolnshire Care Trust Plus	140.1	1.1%	-34%	£1,412	£598,981	42%
Doncaster	142.7	1.7%	-35%	£2,216	£1,711,365	42%
Walsall Teaching	135.3	1.4%	-35%	£1,821	£1,221,241	42%
North Yorkshire and York	84.0	1.1%	-31%	£1,252	£2,689,892	42%
Stockton-On-Tees Teaching	138.0	1.6%	-32%	£2,144	£1,095,371	42%
Peterborough	90.6	1.1%	-33%	£1,280	£585,187	42%
Leicestershire County and Rutland	74.2	1.1%	-28%	£1,169	£2,212,895	42%
Bury	132.6	1.2%	-32%	£1,644	£799,310	42%
Somerset	76.9	1.1%	-30%	£1,322	£1,891,967	41%
Leeds	119.0	1.5%	-35%	£1,754	£3,573,702	41%
Wiltshire	76.4	0.9%	-29%	£1,013	£1,271,027	41%
Sunderland Teaching	159.6	1.8%	-34%	£2,594	£1,922,842	41%
Bexley Care Trust	95.7	1.3%	-35%	£1,387	£829,728	41%
Solihull Care Trust	76.5	1.3%	-32%	£1,531	£848,485	41%
Medway	132.9	1.3%	-32%	£1,462	£1,006,414	41%
South Tyneside	142.6	1.9%	-35%	£2,558	£1,008,450	41%
Warwickshire	76.5	1.0%	-30%	£1,169	£1,730,575	41%
West Kent	90.9	1.1%	-30%	£1,208	£2,237,200	41%
Worcestershire	71.9	1.1%	-31%	£1,332	£2,029,439	41%
Western Cheshire	92.0	1.2%	-34%	£1,514	£938,311	41%
Northamptonshire Teaching	89.9	1.2%	-28%	£1,368	£2,580,969	41%
Hull Teaching	158.7	2.4%	-37%	£3,415	£2,290,226	41%
Kirklees	120.7	1.3%	-34%	£1,510	£1,622,103	41%
Shropshire County	81.1	1.2%	-31%	£1,363	£1,092,299	41%
East Sussex Downs and Weald	65.0	1.2%	-30%	£1,462	£1,323,935	41%
Sandwell	140.2	1.3%	-37%	£1,752	£1,296,305	41%
Bradford and Airedale Teaching	149.7	1.1%	-33%	£1,491	£1,966,475	41%
Luton	136.7	0.9%	-34%	£1,164	£591,470	41%
Heywood, Middleton and Rochdale	147.4	1.5%	-34%	£2,062	£1,101,750	41%
Hampshire	78.4	1.0%	-30%	£1,099	£3,903,231	41%
Swindon	104.4	1.0%	-28%	£1,235	£686,356	41%
Nottingham City	152.7	1.5%	-37%	£1,822	£1,379,731	41%
Stockport	98.8	1.2%	-35%	£1,714	£1,284,210	41%
North Tyneside	117.6	1.6%	-33%	£2,269	£1,181,292	41%
North Somerset	75.0	0.9%	-28%	£1,025	£594,637	41%
Havering	118.9	1.4%	-35%	£1,731	£1,061,575	40%
Halton and St Helens	155.0	1.4%	-32%	£2,064	£1,596,000	40%
Knowsley	195.7	2.4%	-36%	£3,621	£1,409,633	40%
Hastings and Rother	83.1	1.5%	-32%	£1,824	£873,926	40%
Portsmouth City Teaching	126.6	1.3%	-34%	£1,597	£847,261	40%
Kensington and Chelsea	61.4	1.0%	-30%	£1,196	£561,280	40%
Blackpool	131.7	2.0%	-38%	£2,613	£943,662	40%
Gloucestershire	82.4	1.1%	-31%	£1,330	£2,115,187	40%
Berkshire West	82.9	0.9%	-29%	£936	£1,194,095	40%
Hillingdon	93.0	1.0%	-35%	£1,178	£804,282	40%
Cornwall and Isles Of Scilly	92.1	1.2%	-30%	£1,392	£2,018,565	40%
Richmond and Twickenham	75.8	0.9%	-31%	£941	£473,411	40%
South Gloucestershire	75.2	0.9%	-31%	£945	£686,797	40%
Sheffield	104.5	1.5%	-36%	£1,889	£2,672,577	40%
West Hertfordshire	86.9	0.9%	-33%	£975	£1,416,247	39%
Dorset	64.5	1.2%	-32%	£1,454	£1,598,490	39%
Bournemouth and Poole Teaching	81.8	1.3%	-36%	£1,830	£1,461,776	39%
Isle of Wight NHS	85.8	1.1%	-32%	£1,214	£469,373	39%
Bromley	80.7	1.0%	-34%	£1,132	£923,419	39%
Harrow	61.5	0.9%	-32%	£894	£539,553	39%
North Staffordshire	108.3	1.4%	-32%	£1,425	£813,227	39%
West Sussex	76.2	1.0%	-31%	£1,168	£2,500,713	39%

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South West Essex	113.6	1.5%	-32%	£1,663	£1,803,519	39%
Bath and North East Somerset	79.1	1.0%	-35%	£1,034	£481,162	39%
Enfield	76.4	1.0%	-35%	£1,045	£796,428	39%
Surrey	71.8	1.0%	-32%	£1,057	£3,115,734	39%
Berkshire East	88.7	1.1%	-32%	£1,160	£1,231,572	39%
Heart Of Birmingham Teaching	115.3	0.8%	-36%	£992	£697,419	39%
Leicester City	119.1	1.2%	-34%	£1,534	£1,190,246	39%
Southampton City	127.6	1.4%	-36%	£1,636	£996,774	39%
West Essex	105.6	1.1%	-32%	£1,256	£950,964	39%
Herefordshire	69.1	1.0%	-30%	£1,061	£519,900	39%
Salford	157.6	1.5%	-35%	£2,185	£1,246,704	39%
Wolverhampton City	112.8	1.3%	-37%	£1,499	£912,233	39%
Newcastle	133.1	1.8%	-35%	£2,117	£1,519,292	39%
East and North Hertfordshire	97.5	1.0%	-33%	£1,092	£1,606,854	39%
Barnet	64.7	0.8%	-32%	£913	£832,018	38%
Buckinghamshire	69.0	1.0%	-31%	£1,009	£1,399,870	38%
Trafford	109.6	0.9%	-33%	£1,131	£639,286	38%
Haringey Teaching	82.8	0.8%	-35%	£1,007	£592,800	38%
Brighton and Hove City	101.8	1.2%	-36%	£1,378	£884,835	38%
Redbridge	74.3	0.9%	-36%	£866	£594,923	38%
Greenwich Teaching	147.1	1.3%	-38%	£1,580	£899,894	38%
Coventry Teaching	125.9	1.2%	-36%	£1,455	£1,168,819	38%
Sutton and Merton	82.8	1.2%	-33%	£1,236	£1,275,703	37%
Wirral	124.0	1.3%	-36%	£1,896	£1,526,572	37%
Lewisham	138.7	1.0%	-35%	£1,178	£802,292	37%
Liverpool	181.3	2.2%	-37%	£3,141	£3,513,117	37%
Croydon	106.8	1.0%	-32%	£1,140	£1,048,741	37%
Barking and Dagenham	158.3	1.6%	-41%	£1,976	£812,667	37%
South Birmingham	119.7	1.3%	-36%	£1,717	£1,497,903	37%
Hounslow	108.7	1.2%	-34%	£1,398	£841,795	37%
Southwark	147.0	1.4%	-34%	£1,506	£1,093,873	37%
Brent Teaching	58.6	0.8%	-37%	£1,054	£688,605	37%
Ealing	79.3	0.8%	-35%	£1,086	£881,063	37%
Waltham Forest	112.4	1.0%	-37%	£1,204	£673,844	37%
Oxfordshire	80.3	1.0%	-32%	£1,062	£1,770,240	36%
Manchester	151.3	1.6%	-37%	£2,223	£2,632,911	36%
Camden	109.3	1.4%	-34%	£1,551	£915,090	36%
Birmingham East and North	120.8	1.5%	-37%	£1,818	£1,878,607	36%
Kingston	87.6	1.0%	-31%	£1,016	£441,786	36%
Bristol	113.1	1.3%	-35%	£1,449	£1,604,484	36%
Hammersmith and Fulham	103.3	1.0%	-36%	£1,217	£509,803	36%
Westminster	70.7	1.0%	-31%	£1,016	£676,864	36%
Lambeth	129.9	0.8%	-37%	£965	£690,462	36%
Islington	127.7	1.3%	-39%	£1,686	£802,271	35%
Newham	139.9	0.8%	-38%	£1,111	£657,236	35%
Wandsworth	108.8	1.1%	-38%	£1,141	£797,836	35%
City and Hackney Teaching	120.3	0.9%	-35%	£1,110	£639,848	33%
Tower Hamlets	171.8	1.8%	-38%	£1,990	£1,102,167	32%

Standardised Mortality Ratios (SMR) are included as a proxy measure of clinical quality. This measure is taken directly from the NHS Information Center, Copyright © 2010. Re-used with the permission of The Health and Social Care Information Centre. All rights reserved.

Baseline figures for COPD utilization, are taken from the 2008-09 HES feed (the latest full year data set to be published). Sg2 understands that trusts will have access to more up-to-date data sources and we are happy to work with you to understand how individualised data sets influence the forecast output.

COPD spells are defined as all admissions coded with HRGs D39 and D40.

Total savings are calculated by multiplying a) the number of spells that the model predicts could be avoided using each consensus and proactive care pathway remodeling strategies altering the care pathway, by b) 2008/09 Admitted Patient Care Mandatory Tariffs, HRGs D39, D40, adjusted for Market Force Factors. The model assumes all COPD spells are non-elective and thus the non-elective tariff and non-elective Market Force Factor-adjusted tariff is applied to all calculations, including spells with a LOS exceeding the HRG specific non-elective long stay trim-point.

Sg2 has calculated COPD savings due to reduced secondary utilization assuming that clinical dis-investment in secondary care is transferred to, and fully supports, primary care investments required to achieve care pathway re-design.

Calculated savings opportunity is shown for 2014, matching the target year of the £20 billion NHS productivity savings proposed by government. In the supplementary data provided, the forecast extends to 2020.