Public Health England

Spend and outcome tool: Home

Organisation	Guildford and Waverley	Type	CCG
		Period	2015

Guildford and Waverley

The Spend and Outcome Tool (SPOT) gives organisations in England an overview of spend and outcomes across key areas of business.

The profile supports understanding of the overall relationship between spend and outcomes, by identifying areas of significant variance which are likely to require more in-depth analysis.

SPOT includes a large number of measures of spend and outcomes from several different frameworks. A number of different benchmarks are used to provide a range of peer comparisons.

SPOT has been developed as part of the Public Health England health economics programme.

A video introduction to the use of SPOT is available on the SPOT website.

CCG financial data cannot be compared between years (see FAQ).

Contact: Please do send your feedback, ask a question, report a problem or suggest an improvement.

healtheconomics@phe.gov.uk

Group membership	
Collection	Group
Commissioning Region	South of England
Region	NHSE South East
ONS cluster	Prospering Southern England
Deprivation decile	Deprivation deciles 0-3
NHSE cluster	Areas with lower deprivation and

Top 10 areas by spend per head	
Programme	Spend
Total	£1,182
Other	£204
Mental Health	£148
Musculo Skeletal	£79
Circulation	£78
Respiratory System	£72
Gastro Intestinal	£69
Genito Urinary	£68
Trauma and Injuries	£66
Neurological	£64
Maternity	£54

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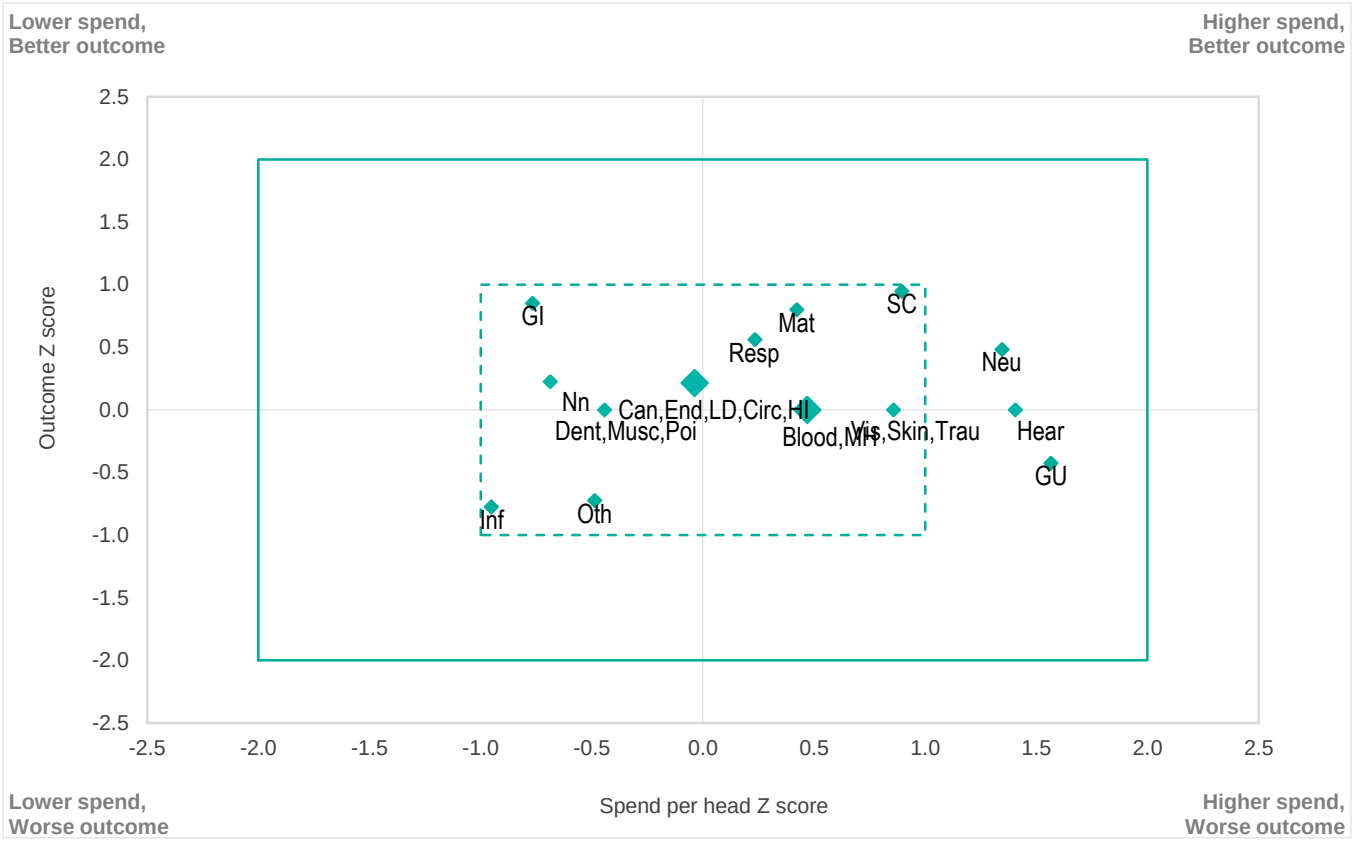
Spend and outcome tool: Quadrant chart

Organisation	Guildford and Waverley	Type	CCG
		Period	2015

(●) Weighted ( ) Unweighted outcomes



Interpreting the chart:

Each dot represents a programme budget category. The outcome measures on the chart have been chosen because they are reasonably representative of the programme as a whole. This means that for Other and Total programmes no outcome data is available. The source data for the outcome measures shown on the chart can be found in the Spend and Outcome Tool.

A programme lying outside the solid +/- 2 z scores box, may indicate the need to investigate further. If the programme lies to the left or right of the box, the spend may need reviewing, and if it lies outside the top or bottom of the box, the outcome may need reviewing. Programmes outside the box at the corners may need a review of both spend and outcome. Programmes lying outside the dotted/thin +/- 1 z score box may also warrant further exploration.

Details of the specific spend and outcome measured used are available in the Reference tab.

Z score:
A z score essentially measures the distance of a value from the mean (average) in units of standard deviations. A positive z score indicates that the value is above the mean, whereas a negative z score indicates that the value is below the mean. A z score below -2 or above +2 may indicate the need to investigate further. Each dot represents a programme budget category.

CCG chart quadrant key

Inf	Infection	GI	Gastro Intestinal
Can	Cancers	Skin	Skin
Blood	Blood	Musc	Musculo Skeletal
End	Endocrine	Trau	Trauma and Inj.
MH	Mental Health	GU	Genito Urinary
LD	Learning Dis.	Mat	Maternity
Neu	Neurological	Nn	Neonates
Vis	Vision	Poi	Poisoning…
Hear	Hearing	HI	Healthy Individ.
Circ	Circulation	SC	Social Care
Resp	Respiratory Sys.	Oth	Other
Dent	Dental		

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Spend and outcome tool: Multi-programme spine chart

Organisation: Guildford and Waverley

Type: CCG

Period: 2015

Legend
- Guildford and Waverley
- Region upper/lower whisker
- National upper/lower whisker

Selected measures for Guildford and Waverley	Local value	Z score (-3 -2 -1 0 1 2 3)	National	Region	ONS cluster	Deprivation decile
Infection						
Infectious Diseases	£8		£10	£10	£10	£10
% children vaccinated for MMR by 5th birthday, 2nd dose	76%		88%	86%	86%	88%
% COPD who had flu vaccine (COPD006 / COPD08)	97%		96%	97%	97%	97%
Cancers						
Cancers and Tumours	£48		£49	£51	£48	£51
Mortality from cancer, <75yrs, DSR, persons.	101		123	119	105	108
Potential years of life lost - Neoplasms	552		626	613	586	611
% One-year survival from all cancers	69%		68%	66%	69%	69%
Endocrine						
Endocrine, Nutritional and Metabolic	£42		£42	£42	£40	£41
Diabetes	£21		£21	£22	£20	£21
Register of diabetes with type (DM001 / DM19/32)	4.3%		6.3%	5.8%	5.2%	5.4%
Diabetes and last HbA1c is 59 mmol/mol (7.5%) or less (DM007 / DM26)	69%		70%	71%	70%	71%
Diabetes and last blood pressure is 140/80 or less (DM003 / DM31)	78%		79%	79%	78%	78%

Selected measures for Guildford and Waverley	Local value	Z score	National	Region	ONS cluster	Deprivation decile
		-3 -2 -1 0 1 2 3				
Mental Health						
Mental Health Disorders	£148		£145	£140	£127	£128
% MH with comprehensive care plan (MH002 / MH10)	86%		86%	87%	90%	89%
% dementia whose care has been reviewed (DEM002 / DEM02)	83%		84%	83%	85%	85%
Access to IAPT services	18%		13%	14%	14%	14%
Learning Disability						
Problems of Learning Disability	£24		£21	£16	£19	£21
Neurological						
Neurological	£64		£53	£57	£55	£55
Register of patients on drug treatment for epilepsy (EP001 / EPI05)	0.6%		0.8%	0.8%	0.7%	0.7%
% epilepsy and seizure free (EP002 / EPI08)	77%		76%	77%	80%	80%
Vision						
Problems of Vision	£35		£29	£32	£29	£31
Hearing						
Problems of Hearing	£11		£7	£7	£7	£7

Selected measures for Guildford and Waverley	Local value	Z score -3 -2 -1 0 1 2 3	National	Region	ONS cluster	Deprivation decile
Circulation						
Problems of Circulation	£78		£77	£79	£77	£78
Mortality from cardiovascular disease. <75yrs, DSR, persons.	42		67	56	50	51
Potential years of life lost - Ischaemic Heart Disease	372		693	548	474	498
Potential years of life lost - Cerebrovascular Diseases	179		238	200	193	193
Respiratory System						
Problems of the Respiratory System	£72		£71	£69	£69	£68
Mortality from respiratory disease. <75yrs, DSR, persons.	16		29	25	20	20
Dental						
Dental Problems	£1		£2	£2	£3	£2
Gastro Intestinal						
Problems of Gastro Intestinal System	£69		£75	£74	£75	£74
Mortality from liver disease, <75yr, DSR, persons	9		16	14	12	12
Emergency admission rate for alcohol related liver disease	13		25	17	14	15
Skin						
Problems of the Skin	£32		£29	£28	£31	£30
Musculo Skeletal						
Problems of Musculo Skeletal System	£79		£86	£90	£94	£95
Hip replacement, EQ-5D, Health Gain	0.46		0.42	0.44	0.42	0.43

Selected measures for Guildford and Waverley	Local value	Z score -3 -2 -1 0 1 2 3	National	Region	ONS cluster	Deprivation decile
Trauma and Injuries						
Problems due to Trauma and Injuries	£66		£57	£61	£63	£61
Genito Urinary						
Problems of Genito Urinary System	£68		£58	£60	£60	£59
Register of patients with CKD (CKD001 / CKD01)	3.6%		4.1%	4.6%	3.6%	3.8%
Maternity						
Maternity and Reproductive Health	£54		£48	£48	£48	£47
% Breast feeding prevalence at 6-8 weeks	63%		43%	57%	56%	52%
Total abortions rate	10.9		15.9	15.4	14.6	13.3
Neonates						
Conditions of Neonates	£2		£4	£2	£4	£3
Neonatal mortality and stillbirths rate	7.5		7.2	6.4	6.5	6.6
Adverse effects and poisoning						
Adverse effects and poisoning	£14		£16	£18	£15	£16

Selected measures for Guildford and Waverley	Local value	Z score	National	Region	ONS cluster	Deprivation decile
		-3 -2 -1 0 1 2 3				
Healthy Individuals						
Healthy Individuals	£6		£7	£5	£5	£5
Child development checks (CHS001)	100%		99%	99%	100%	100%
% patients with smoking status (SMOK001 / SMOKE07/REC23)	82%		86%	85%	85%	86%
Register of BMI 30+ (OB001 / OB01)	5.2%		9.6%	8.2%	7.0%	7.8%
Social Care						
Social Care Needs	£43		£23	£28	£21	£23
% people who feel supported to manage their long-term condition	69%		65%	64%	66%	67%
Other						
Other Areas of Spend/Conditions:	£204		£233	£233	£198	£206
General Medical Services/ Personal Medical Services	£0		£4	£5	£3	£2
Misc - other	£17		£45	£70	£33	£31
Total						
Total	£1,182		£1,152	£1,167	£1,109	£1,121
DSR (PYLL) from causes considered amenable to healthcare	1610		2069	1839	1653	1714
Index of multiple deprivation	8.3		22.1	16.6	9.9	10.9

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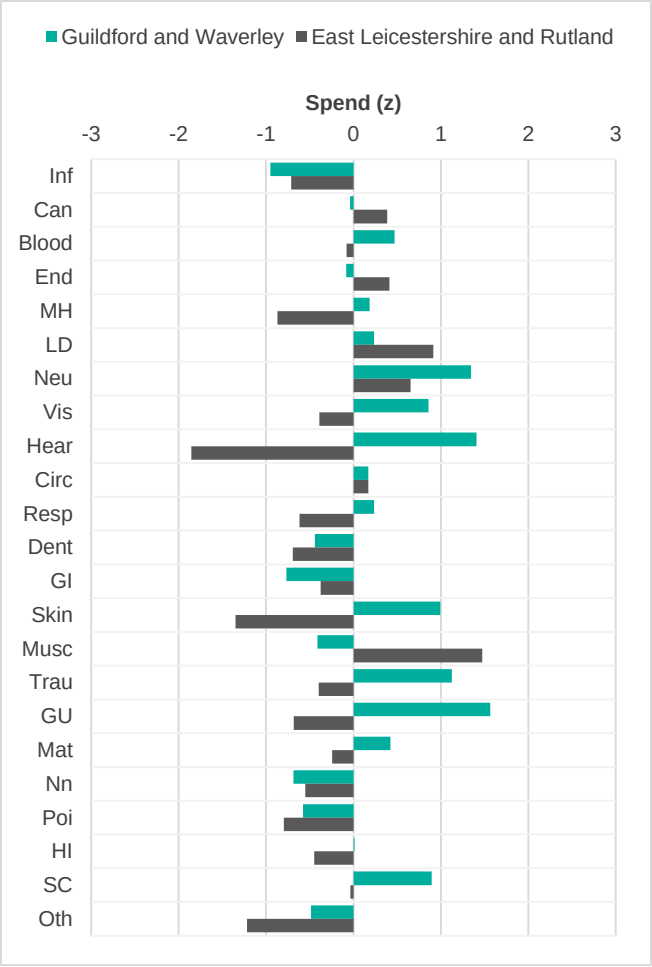
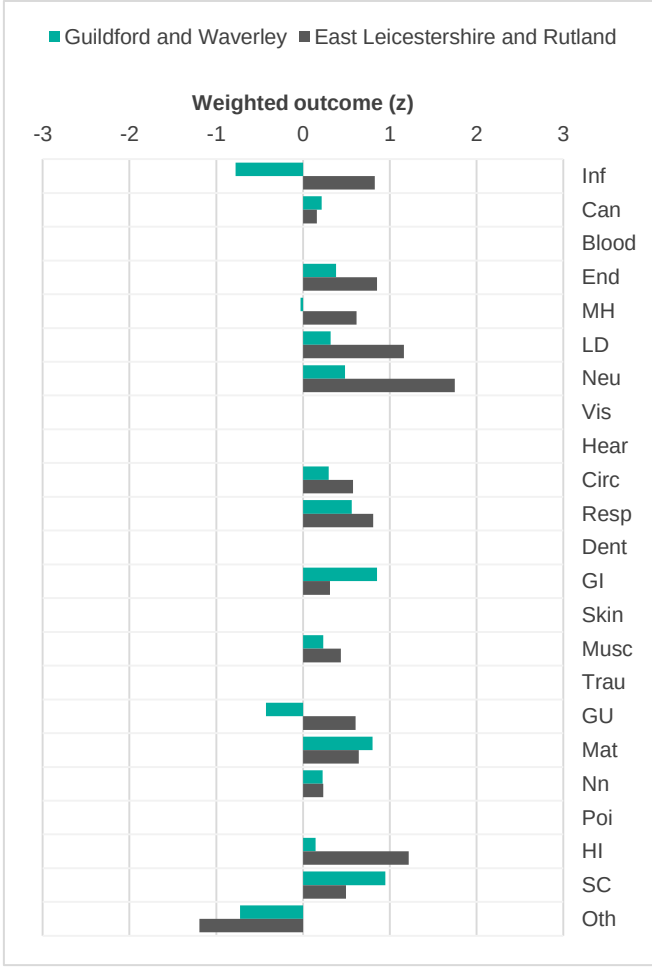
Spend and outcome tool: Standardised comparator

Organisation	Guildford and Waverley	Type	CCG
	(●) Weighted ( ) Unweighted outcomes	Period	2015





Interpreting the chart:

This chart shows spend and outcome z scores for each programme for both the organisation and a chosen comparator organisation.

The default chosen comparator is one of the nearest neighbours to the organisation on a number of measures.

If a programme spend z score is less than -2 then the organisation spend is significantly less than other organisations on this programme. If the programme spend z score is more than +2 then the organisation spend is significantly more than other organisations on this programme.

The programme outcome may be a single measure, or a weighted combination of measures.

If the programme outcome z score is less than -2 then the organisation has a worse outcome than other organisations. If the programme outcome z score is more than +2 then the organisation has a better outcome than other organisations.

Chosen Comparison	East Leicestershire and Rutland

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Spend and outcome tool: Outliers summary

Organisation	Guildford and Waverley
Type	CCG
Period	2015

	Spend	Outcome
Low/worse	0	4
High/better	1	14
No data	0	1
All measures	69	215

This table shows all specific measures where the organisation appears to be an outlier, or where no data is available. The organisation is categorised as an outlier on a measure if the organisation value is outside the boxplot whisker or z score is beyond +/- 2. Spend is low for low outliers and high for high outliers. Outcomes are worse for worse outliers and better for better outliers. On all other measures, the organisation is not considered an outlier. Where there is no data for a measure, the organisation may wish to explore the reasons behind this. This may help in identifying specific elements of a programme to focus on. They can be explored further in the boxplots and "Detail Quadrant".

Programme	Source	Measure	Label	Value	National quartile	Status
Infection						
	Outcome	PI003	% children vaccinated for MMR by 2nd birthday	84%	88%	worse outlier
	Outcome	PI004	% children vaccinated for MMR by 5th birthday, 2nd dose	76%	81%	worse outlier
	Outcome	PI005	% children vaccinated for whooping cough by 1st birthday	88%	91%	worse outlier
Cancers						
	Outcome	CCG OIS 1.9 M	Mortality from cancer. <75yrs, DSR, males.	91	128	better outlier
	Outcome	CCG OIS 1.19 P	% Record of lung cancer stage at decision to treat	70%	79%	worse outlier
Endocrine						
	Outcome	QOF DM 32	Register of diabetes with type (DM001 / DM19/32)	4.3%	6.3%	better outlier
	Outcome	CCG OIS 2.8 P	Complications associated with diabetes	66	97	better outlier
Circulation						
	Spend	SP10c	Problems of Rhythm	£9	£7	high outlier
	Outcome	NOF1ihd_P	Potential years of life lost - Ischaemic Heart Disease	372	674	better outlier
	Outcome	QOF BP001	% aged 40+ with BP in last 5 years (BP001)	83%	96%	better outlier
	Outcome	CCG OIS 1.1 IHD	DSR (PYLL) from Ischaemic heart diseases amenable to healthcare	372	674	better outlier

Programme	Source	Measure	Label	Value	National quartile	Status
	Outcome	CCG OIS 1.2 P	Mortality from cardiovascular disease. <75yrs, DSR, persons.	42	66	better outlier
	Outcome	CCG OIS 1.2 M	Mortality from cardiovascular disease. <75yrs, DSR, males.	57	88	better outlier
	Outcome	CCG OIS 3.3 VV	Varicose Veins, EQ-5D, Health Gain			No data
Respiratory System						
	Outcome	APHO 03	COPD prevalence	2.2%	3.5%	better outlier
	Outcome	CCG OIS 1.6 F	Mortality from respiratory disease. <75yrs, DSR, females.	10	24	better outlier
Gastro Intestinal						
	Outcome	CCG OIS 1.7 M	Mortality from liver disease, <75yr, DSR, males	9	20	better outlier
Healthy Individuals						
	Outcome	QOF OBESITY 1	Register of BMI 30+ (OB001 / OB01)	5.2%	9.7%	better outlier
	Outcome	CCG OIS 2.1 P	Av health status (EQ-5DTM) for adults with a long-term condition	0.80	0.74	better outlier

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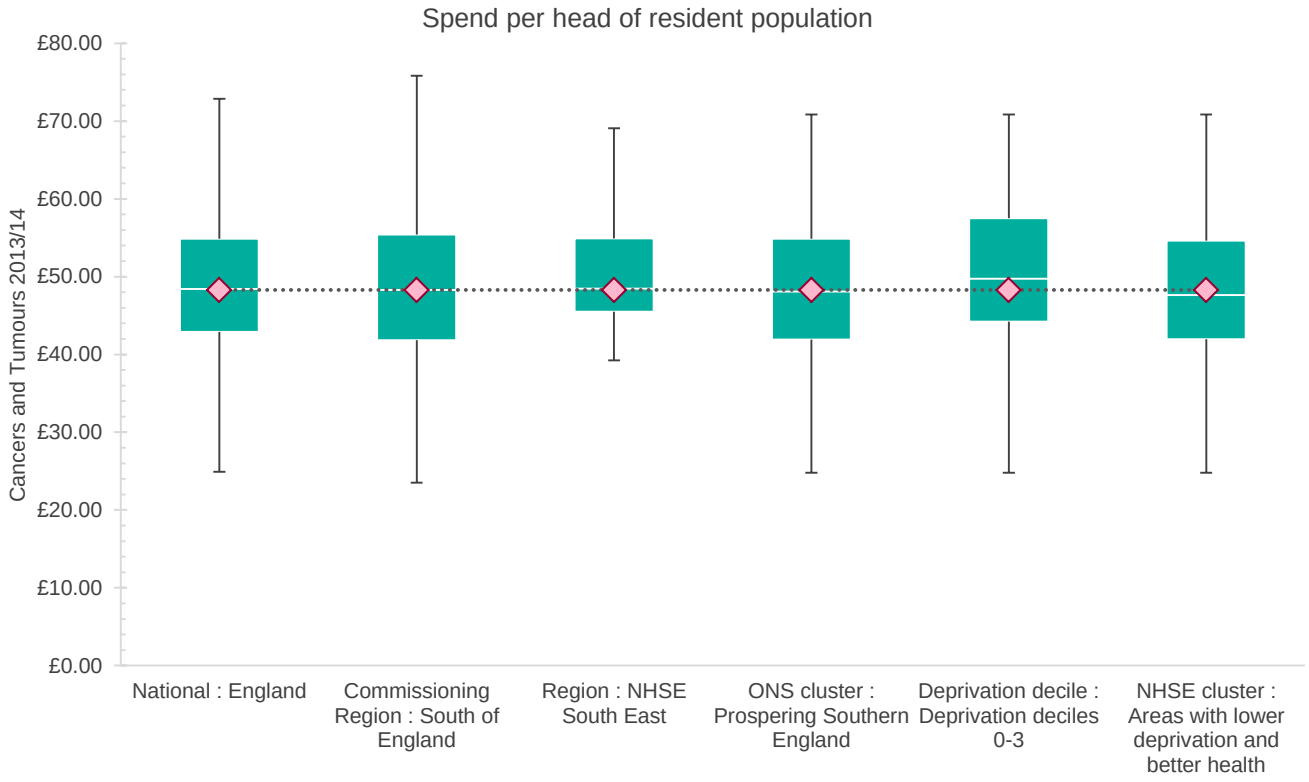
Spend and outcome tool: Spend boxplot

Organisation	Guildford and Waverley
Type	CCG
Period	2015



Interpreting the chart:

In this boxplot, the chosen organisation is represented as a red diamond and the upper and lower quartile boxes represent the middle 50% of authorities' spend. The white line through the middle of the quartile box is the median.

The whiskers extend 1.5 x the interquartile range, up to the max/min values. Organisations outside the whiskers are categorised as outliers. NB: Whiskers are not the same as confidence limits.

Boxplots are provided for a number of peer comparator sets. This should assist in determining which peer groups the organisation is similar to and not similar to for each measure. It may suggest areas to look at when exploring variation.

Chosen Programme	Cancers
Chosen Spend	Cancers and Tumours

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About SPOT and its use

This profile provides some understanding of how the overall organisation budget is allocated to different programmes and sub-programmes; how this relates to the outcomes for those programmes and how the organisation performs in comparison to its peers.

The quadrant charts highlight particular programmes and sub-programmes where the organisation appears to be an outlier on spend and/or outcome.

The spine charts give headline values for spend and key outcomes for major programmes, and relevant comparator values.

The spend bar chart gives an indication of the size of the spend on each programme in both the organisation and a comparator organisation (default - nearest statistical neighbour)

The outlier summary identifies all measures where the organisation appears to be an outlier, or has submitted no data. These are grouped by programme. It is possible to explore measures in more depth by reviewing them using the detail quadrant chart.

Using the pdf profile and then Excel spreadsheet tool should help to:

- understand the size of spend on each major programme
- identify programmes where spend or outcomes are significantly at variance with peers (a range of comparators are available)
- identify potential areas within programmes where there may be issues

Following this the organisation may wish to examine priority areas in more depth.

The spend and outcome tool includes a frequently asked questions (FAQ) section as a spreadsheet tab which gives more detail about the tool and its use.

Feedback:

Please send your feedback about SPOT to healtheconomics@phe.gov.uk
You can ask a question, report a problem or suggest an improvement.
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