Health intelligence tools to aid VFM decisions

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A commissioning decision that achieved either of those things could be deemed to be a ‘cost-effective’ decision or a decision that would lead to improved ‘efficiency’ or better ‘value for money’
Spend & Outcome Tool (SPOT)

- Has been produced for several years now for the NHS (previously at PCT, now CCG, level)
- Essential starting point to know where to look further at areas of (e.g.) high spend / poor outcome
- Could we develop a similar tool for local government?
- We all know that transport, education and housing contribute to health and wellbeing – can we start to look at those using a common framework?
- And look at the NHS-facing information alongside the local government information – single conversation within Health & Wellbeing Boards
Spend & Outcome Tool (SPOT) for Local Government
The Spend and Outcome Tool (SPOT) gives local authorities in England an overview of spend and outcomes across key areas of business including public health and its sub-programmes.

The tool helps local areas to understand the overall relationship between spend and outcomes, by identifying areas of significant variance which are likely to require more in-depth analysis.

A number of different benchmarking groups are used to provide a range of peer comparisons.

The tool is provided in two forms. There is a PDF briefing for each local authority that contains the main outputs from the tool. This is a good place to start, before accessing the interactive spreadsheet that allows you to explore all organisations’ data in detail.

10-minute video taking users through main outputs of the tool
SPOT includes a large number of measures of spend and outcome from several different frameworks.

Spend data has been gathered from the Department of Communities and Local Government (DCLG) for top-tier local authorities.

To adjust for non-optimal distributions of the underlying data, values are modified through a transformation and z-scoring process.
Home Screen

- On the left, there is a vertical menu which contains your main navigation controls.
- At the top is a dropdown menu that contains a list of available organisations.
- Future versions will have the ability to change the time period to switch between Local Authority and CCG geographies.
Programme Quadrant Chart

- Shows how all programme budgets in your chosen organisation perform against the respective national averages, using modified z-scores plotted on axes.
- Spend plotted on the horizontal, outcome on the vertical.
- Can be viewed with weighted analysis (multiple outcome measures) or unweighted (single relevant outcome measures).
Sub-programme Quadrant Chart

- SPOT can also display quadrant charts for the contributory sub-programmes.
- In this example, sub-programmes in Public Health are displayed.
- From here, you can assess how your chosen programme’s constituent parts perform against national comparators using the same method.
Spine Charts

- SPOT provides dynamic spine charts for both high-level programme budgets and Public Health’s specific programme budget.
- These spines cover expenditure and associated outcomes.
- In these spine charts, the diamond represents the LA value, the black whisker represents range of scores nationally and the green bar represents the range of scores within the geographical region.
Boxplots

- The boxplots are non-parametric displays of the actual (raw) data behind both outcome and spend.
- The chosen organisation is denoted by the red diamond.
- Boxplots are provided for a number of peer comparator sets, suggesting areas to look at when exploring variation.
- On the spend boxplot, sub-programme expenditure can also be displayed.
Customised Detail Quadrants

- Users can drill down into specific programmes and sub-programmes, and create quadrant analyses on-the-fly by assigning relevant outcomes.

- In this example, Public Health’s expenditure on wider tobacco control is being compared against maternal smoking prevalence, with its ONS cluster comparators highlighted.
Other Features

• For your convenience, SPOT will also output a list of all measures – both spend and outcomes – where it considers the chosen organisation as an outlier, or where there is insufficient data to make that judgement

• All outputs can be customised and are exportable as PDFs

• Full access to raw and processed data for end-user analysis

• Latest:

• *Public Health spine chart has been updated to incorporate all the PHOF measures that local authorities might choose as options for the Health Premium*
Availability

• SPOT is available online as both an interactive Excel tool and organisation-level PDF briefings

• The PDF profiles are a good place to start your exploration of the SPOT tool. There is also a video introduction that will assist and guide you

• SPOT resources can be found at: www.yhpho.org.uk/spot

• It has been tested on Excel 2007-2013 in both Windows 7 and Windows 8 environments. It will not run on Mac. Linux installations running Excel under WINE cannot be guaranteed to run correctly.
Help needed

We piloted with NICE’s Local Government Reference Group and a range of individuals and partners

Initial feedback very good

Data will improve with use

We want to improve the outcome measures in the non-public health programmes – have we got the right indicators and can we add others?

All feedback welcome to:

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NHS Barking and Dagenham CCG

Commissioning for Value insight pack

October 2013

NHS England Gateway ref: 00525
Commissioning for Value packs

A partnership programme of work

Insight packs produced in October 2013 for every CCG

Look at spend, drivers of spend and quality and quality for the top 10 (by value) programme budget categories

Highlight opportunities for primary and secondary preventative measures

http://www.england.nhs.uk/resources/resources-for-ccgs/comm-for-value/
Focus packs for cardiovascular disease

Focus packs for cardiovascular available from National Cardiovascular Intelligence Network (NCVIN):


CCG level packs which show opportunities for improving quality and efficiency along the CVD pathway
Commissioning for Value – coming soon

Following on from the Insight packs (October 2013) each CCG will receive a ‘pathway on a page’ for every programme which offered an opportunity for improvement – October/November 2014

Complex patient pack – November/December 2014:
- Top 2% of admissions
- Focus on the patient not the condition
- Complex patients with multiple admissions for multiple conditions
- Focus also on mental health and children’s pathways

Compendium atlas of variation – March 2015
The Diabetes Pathway, NHS Any Town CCG

% difference from Similar 10 CCGs

- Diabetes Prevalence
- Reported prevalence vs expected prevalence
- HbA1c, cholesterol and blood pressure targets achieved
- Patients receiving care processes
- Retinal screening
- Prescribing spend
- Non-elective spend
- Risk of major amputation
- Risk of MI in people with diabetes
- Risk of heart failure in people with diabetes
- Risk of stroke in people with diabetes

From initial contact to end of treatment

NHS Any Town CCG
Return on Investment (ROI) work

Jointly with NICE and other partners

Focusing on NICE’s initial ROI tools in tobacco control, alcohol and physical activity

Developing training and the concept of ‘super users’ in PHE’s distributed Knowledge & Intelligence Teams (KITs)

- piloted in Northern and Yorkshire

- currently creating a network of super-users across the KITs

Plan to commission a short-term piece of work aimed at summarising ROI measures in selected priority areas (supporting PHE’s Big Ambitions)
Project CPB 6: investing in prevention
Approaches to prioritisation in local authorities and the NHS
Thank you for your attention