

Evaluation of the Surrey Heartlands Hackathon project

Project Aims

Develop the analytic workforce across partners within Surrey Heartlands ICS



Encourage collaboration across organisational boundaries



Data visualisations designed with decision makers and used for decision making



Develop a community of practice



Project Stages



Upskill analysts

We recruited a project team of analysts from services in Surrey County Council, local CCGs and the AHSN. We raised their skills in Tableau and data visualisation to a common standard through joint training and the use of an online collaboration platform to share tips and techniques.



Hackathons

We organised three day-long events where decision-makers and analysts from across our Integrated Care System worked intensively together to co-design new data visualisations that provide the insights required to transform care and improve population health.



Publishing of data visualisations

We published the data visualisations in our local intelligence website and made them available to decision-makers. www.surreyi.gov.uk



Evaluation

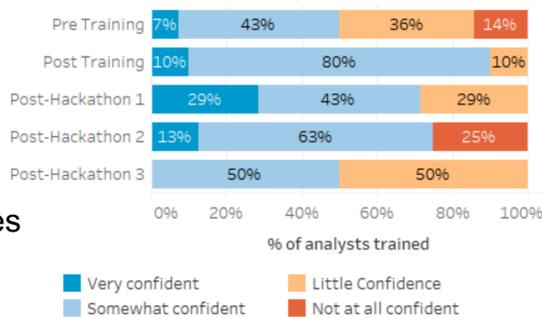
We tested if we met our aims using the following:

- Repeated surveys of the analysts involved in the project
- Feedback surveys of decision-makers that attended the events
- Face to face interviews and focus groups with a sample of those involved in the project
- Analysis of usage of data visualisations published

Did we develop a common body of skills around data visualisation?

- Distributed 9 new Tableau licences
- Organised 3 days of training
- Trained 15 analysts
- 30 analysts involved at various stages
- One online collaboration platform

How confident are you using Tableau to visualise your data?



From focus group:

- The training that preceded the hackathons was praised by all that attended; for those not already proficient in the software, it was invaluable.
- The data analytics team from Surrey County Council and The Information Lab were said to offer excellent training as well as continued support during the hackathons, challenging analysts to think differently about their visualisations.
- For those that attended all three hackathons, one key objection was that Tableau skills became 'rusty' between each hackathon if Tableau was not used in the analysts' day jobs.

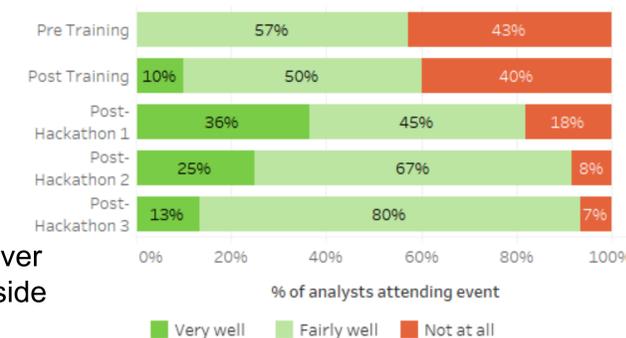
The analysts came from 6 organisations:

Surrey County Council, North West Surrey CCG, Surrey Downs CCG, Guildford & Waverley CCG, Kent Surrey Sussex Academic Health Science Network, The Information Lab



Before the project started, 80% of the analysts never collaborated with analysts from organisations outside their own, within the Surrey Heartlands ICS

How well connected do you feel to analysts from organisations outside your own, within the Surrey Heartlands health and care partnership?



Did we develop closer working relationships across organisational boundaries?

100% of the analysts and decision-makers agreed that events like the hackathons facilitate working with partners from outside their own organisations

"I really enjoyed being a part of this event & think it has opened new opportunities & collaborations."
Feedback after CVD Hackathon

Are hackathons an effective way of producing data products that can be used to inform decision making?

Designed over 20 data visualisations around 3 hackathon themes:



Cardiovascular Disease Prevention
465 online views



Primary Care Networks
701 online views



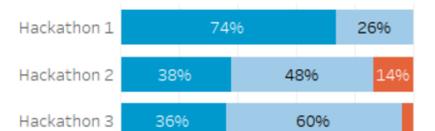
Children's Health & Wellbeing
383 online views

Participants reported that:

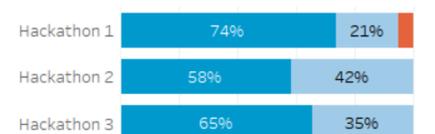
- It was interesting to have decision-makers insights on the day.
- Decision-makers could offer reasons for data variations, allowing for more insight to be derived and conclusions to be made.
- Interactions helped tailor visualisations to what is useful for decision making.
- Multiple perspectives from across organisations add value to the work being produced.
- A system needs to be put in place to keep the Tableau dashboards up to date.
- Communication of the outcome of the hackathons needs to be strengthened.

'One organisation doesn't have all the answers' – Decision-maker

The data visualisations produced today can be used to aid decision making in the future



The event created an environment where decision makers and analysts can work together



% of total number of respondents

Participants reported that:

- The hackathons did facilitate a community of practice across organisations.
- The analysts now have new ports of call if they need help in a particular area.
- More opportunities to meet with analysts would further aid a community of practice going forward.
- This style of working must be written into business as usual or it would struggle to be replicated in the future.
- There is a need for an online presence to facilitate regular interaction between analysts from different organisations.

'A community of practice has to have some kind of anchor point' - Analyst



The developing **Surrey Office of Data Analytics (SODA)** is planning on making the hackathons a core part of the way in which we do shared analytics across Surrey Heartlands ICS.

"I think in working in Surrey PCT/CC for 9 years, this is the first time I have witnessed such a degree of engagement with the NHS & Council. This is a big change & will help facilitate data sharing & understanding each other's needs & work cultures." Feedback after PNC Hackathon

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