

Visualising patterns of need and care

Hackathon 2: Primary Care Networks

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Introduction

The Primary Care Network Hackathon is our second of three hackathons and looked at new place-focused models of care developed by the National Association of Primary Care (NAPC).

We used the innovative approach of a Hackathon as a focus of this project. A hackathon is a day where analysts work intensively with decision-makers to produce new and innovative displays of data.

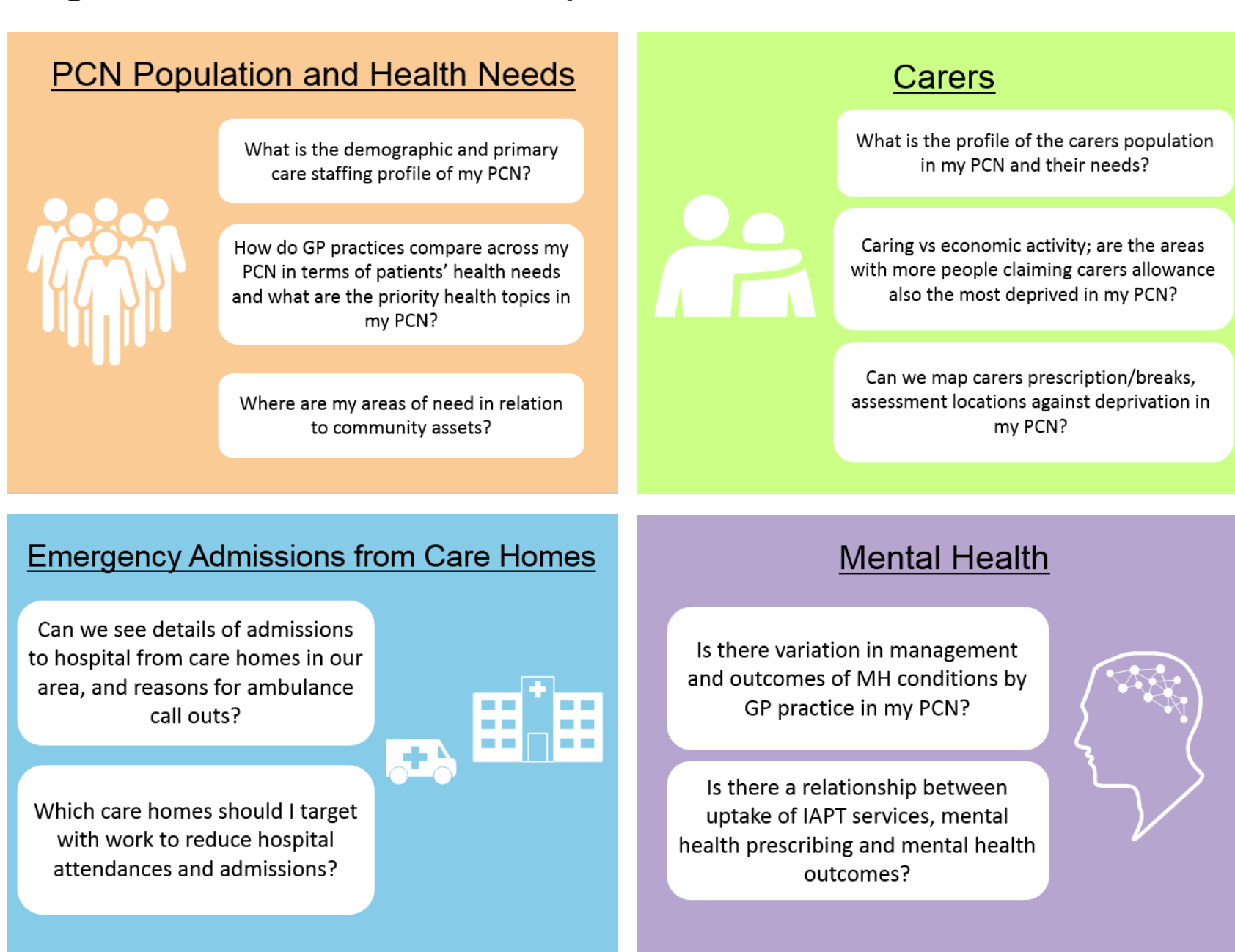
These data visualisations will improve our understanding of the health and care system and generate insights to inform the design, commissioning and delivery of care.

Scoping questions and data

We first started to look at questions we could answer with visualisations of layered data. For this purpose we invited GPs leading the local Primary Care Networks programme and members of the Surrey Heartlands Academy to join us in a workshop to come up with ideas of problems to tackle in the hackathon focused around these new models of care. We then prioritised the problems that attendees at this workshop came up with based on importance and feasibility. We identified 4 themes for the Hackathon:

- PCN population and health needs
- Carers
- Emergency Admissions from Care Homes
- Mental Health

Figure 1. Themes and questions for the Hackathon



Hackathon

The day was organised in two parts. In the morning the analysts were presented with the questions that they had to answer using the data visualisations.

15 analysts from different organisations within Surrey Heartlands ICS were divided in 4 tables, each table had a different theme assigned. They used the data prepared during the scoping phase and tried to answer the key questions posed by the GPs around PCN data product need. Each table worked intensively bringing together a variety of skills and knowledge.

Figure 3. Picture from the day



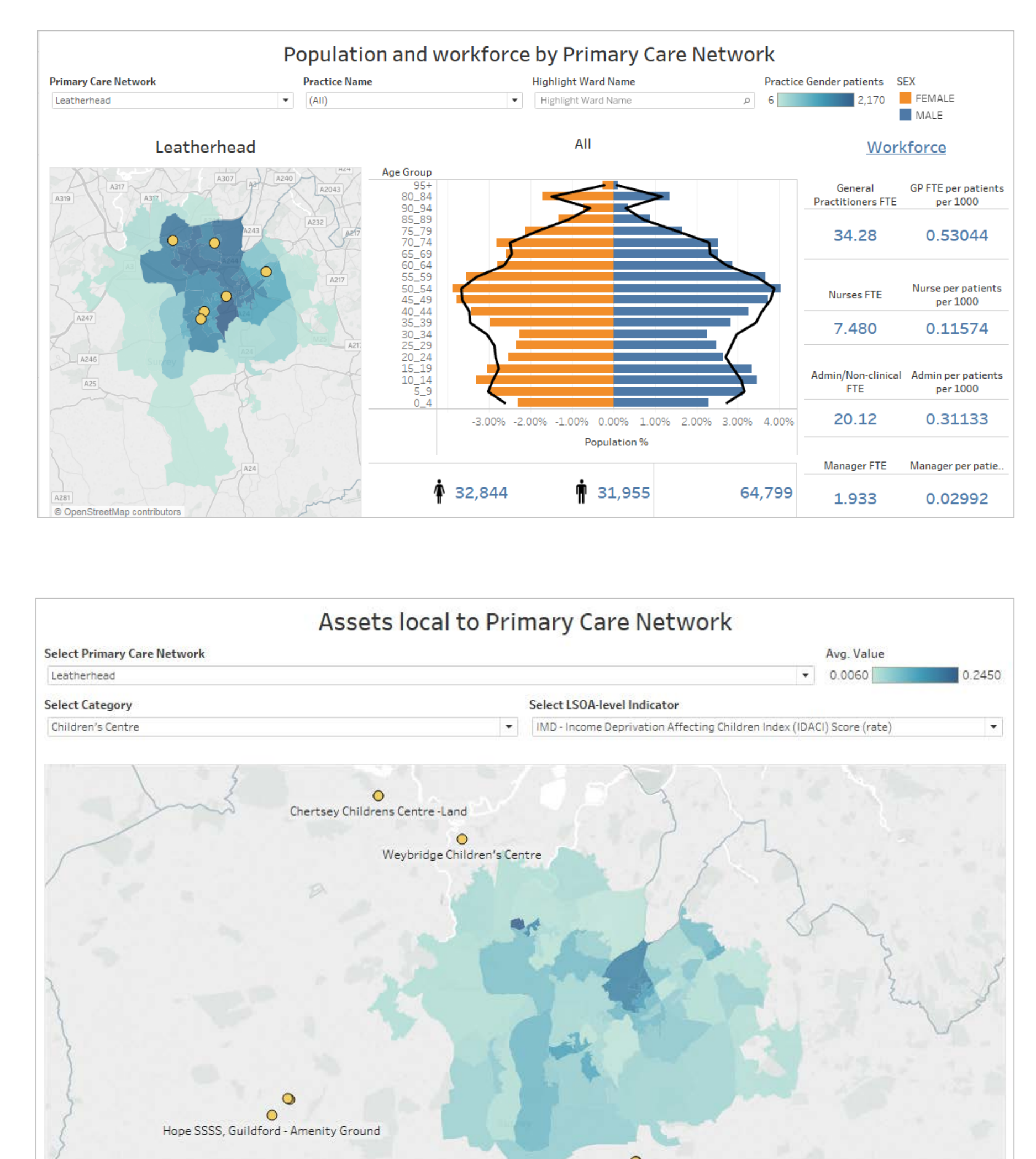
In the afternoon 40 decision makers including GPs from the Primary Care Networks in Surrey Heartlands and commissioners, joined the analysts. They went around the tables and learnt about the work that the analysts did during the morning, helping them refine their visualisation to make sure they were useful and answered the questions posed at the start of the day.

The analysts had some time to polish off the visualisation and then presented them to the entire audience. A total of 10 dashboards were created during the Hackathon and we are in the process of finalising them to be published in Surrey-i, our Local Information System (www.surreyi.gov.uk).

Figure 2. Agenda



Figure 4. Visualisations created during the Hackathon



Evaluation

Analysts and decision makers who attended the event were asked to complete a questionnaire to help us understand how effective the event was in delivering useful intelligence but also in helping people from different organisations and roles work together

- **100%** agreed the event created an environment where decision makers and analysts can work together
- **100%** agreed events like this facilitate work with partners from outside their own organisation
- **78%** agreed the data visualisations produced during the Hackathon can be used to aid decision making in the future

“I think in working for Surrey PCT/SCC for 9 years, this is the first time I have witnessed such a degree of engagement between NHS and the Council. This is a big change and will help facilitate data sharing and understanding of each other needs and work cultures.”
– Data Analyst