



DARTINGTON
SOCIAL
RESEARCH
UNIT

Data Visualisation: A tool for engagement

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Family Nurse Partnership (FNP)

Large scale evidence based programme working in over 100 local authorities and with 18,000 mothers

Evidence from USA and currently in the process of publishing UK randomised control trial.

Problem: how do we ensure and monitor the quality of programme delivery?



Performance data

Indicator

Goal

Gestation at Enrolment

60% by 16 weeks

Attrition

<40% by end

Dose

- Pregnancy
- Infancy
- Toddlerhood

80% of expected visits

65% of expected visits

60% of expected visits

Site Performance

Mean score 1-5



Contextual data

Indicator

Description

Contact

Service Development Lead

Commissioned places

minimum of 100 places

No. of practitioners

minimum of 4

Current caseload

% of places currently filled



Key questions:

1. How are sites performing against set criteria?
2. Does this change over time?
3. What are the possible drivers of performance?

This is implementation data to inform best possible delivery of the programme

Why visualise this data?

- Exploration
- Accessibility
- Engagement

Pitfalls:

- Viewer brings context to interpretation
- Key messages can be lost

Visualisation Resources

Inspiration:

<http://www.informationisbeautiful.net/>

<http://www.informationisbeautifulawards.com/>

<http://www.theguardian.com/data>

Tools:

<http://d3js.org/>

<http://www.rstudio.com/>

<http://www.tableausoftware.com/>

<https://color.adobe.com/explore/newest/?time=all>