



**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>