NHS Scotland Open Data: A data visualisation study about child health

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The NHS Scotland Open Data portal

In 2015, the Scottish Government published their 'Open Data Strategy'. NHS National Services Scotland (NSS) took the decision to establish the 'NSS Open Data Working Group'.

NSS Information Services Division (ISD) decided to develop a single open data portal that would encompass data from all 14 Regional Health Boards, 7 Special Boards and one Public Health Body within the NHS.

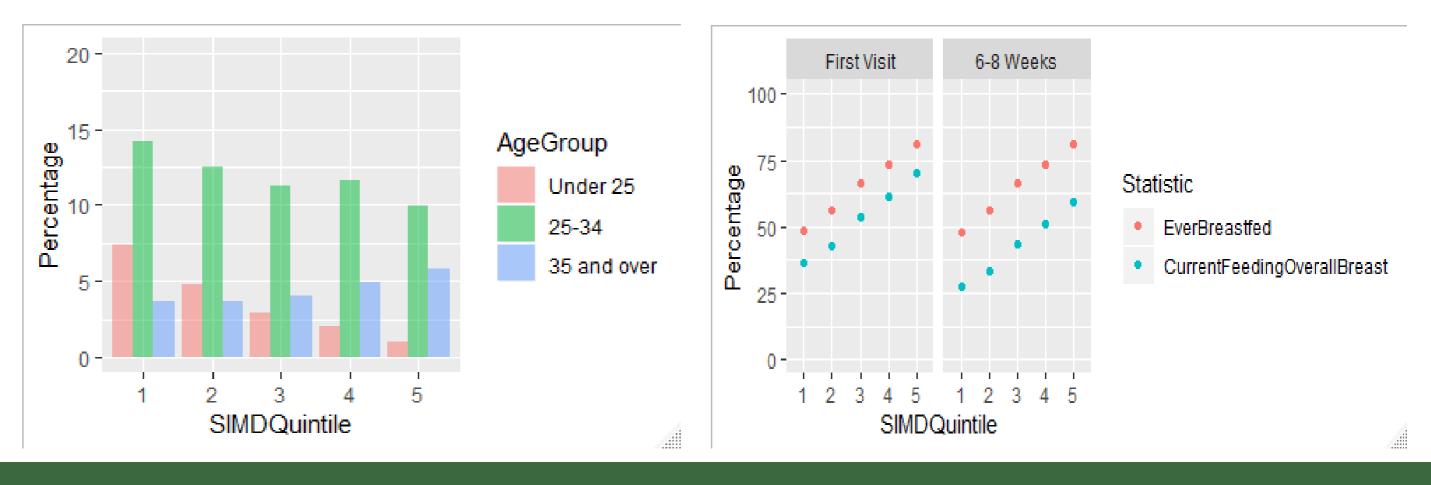
Figure 1: NHS Scotland Open Data portal

Datasets Themes Groups About Search	Q			Log in Register NHS National Services Scotland
NHS Scotland Open Data	NHS Sco	tland Open	Data statisti	cs
The NHSScotland open data platform gives access to statistics and reference data for information and re-use.	39	7	18	
This platform is managed by NHS National Services Scotland for NHSScotland. Data is released under the Open Government	datasets	themes	groups	
Licence.				
Search data E.g. environment	c			
Search data E.g. environment		ensed 2019 first	quarter	• New data available: Co

Project Scope & Objectives

- (1) NHS Open Data will be accessed via the API to ensure that the application developed will always use the most up-to-date version of the open data.
- (2) R and Shiny will be evaluated as an alternative to Tableau for developing a data story
- (3) Feedback on the 'User Experience' of working with the NHS Scotland Open Data portal will be given to the host organisation, ISD.





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Project Plan & Initial Results

The NHS Scotland Open Data portal contains a group of datasets related to infants and children that will be used to create a data story about Child Health in Scotland:

- (1) Births in Scottish Hospitals
- (2) Infant Feeding
- (3) 27 30 Month Review Statistics
- (4) Primary 1 Body Mass Index Statistics

Initial analysis has focussed on looking at the effect of factors such as SIMD and Maternal Age.

Figure 3: Breastfeeding rates by SIMD and dropoff over the first two months of babies' lives

BE THE DIFFERENCE

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