


Developing a Clinical Transfusion Database

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Applying Big Data to Transfusion



Big data refers to the use of specialised tools and techniques to understand and distil meaningful insights of massive amounts of information.

NHSBT is working with Health and Social Care Information Centre (HSCIC) to develop a transfusion dataset which could be extracted from Trust systems and linked in a data warehouse for analysis, reporting and benchmarking

Key Points

- Data on transfusion is essential for supply and demand planning and driving implementation of Patient Blood Management (PBM) through benchmarking and the development of key performance indicators
- This is an example of the utilisation of Big Data
- The vision is to develop a national dataset which could be extracted from hospital systems into a data warehouse
- The key will be to ensure that the appropriate information is recorded in electronic systems in a standardised format eg: coded reason for clinical use
- There is the opportunity to develop a standardised approach with introduction of electronic order comms
- The work will be led by the PBM working group of the NBTC