National Transfusion Dataset (NTD)

Introductory information about hospital data collection for the NTD

Australian sites

• The NTD collects pre-existing electronic hospital data on patients (≥18 years old) who have had a transfusion in Australian hospitals.

• Retrospective hospital data are requested on an ongoing, annual basis.

• Only pre-existing data from hospital databases are collected. The data are electronically extracted by the authorised hospital data custodian and transferred by secure file transfer protocol (SFTP) to the NTD server housed and managed by Monash University.

• Typically, the hospital data are sent to the NTD as three separate datasets extracted from the hospital's databases:

1. patient data from the Hospital Information Service (HIS) database;

2. transfusion data (Tx) from the Transfusion/Laboratory Information database;

3. laboratory results (Lab) from the Laboratory Information database.

• Data items required are listed in the 231115_Hospital_Data_Variables

• Data for all listed items, for the patient's entire hospital stay in which the transfusion occurred, is required.

• Data is accepted in the common data formats, such as CSV, TXT and XLSX. Please discuss with the NTD data managers if you prefer to send your file in a different format.

• Data collection start date is from January 2017, but we are able to negotiate a different start date if required by the site.

Suggested approach for identification of transfusion cases and extraction of data:

1. Identify eligible* patients from your hospital's Transfusion database for the specified recruitment period and generate a patient list, with patient identifiers and the date of the transfusion.

2. Use the Transfusion list to identify the patient's HIS and Lab data for the specific admission in which the transfusion occurred.

* Eligible patients are adults (≥18 years old) who have had a transfusion during their hospital admission or outpatient visit.

First task for you:

Check that your hospital databases have the capacity to be 'queried' in order to extract the data required. Please check the following:

1. Is it possible to extract the required data items from your Laboratory Information Systems? The data items required are listed in the 231115_Hospital_Data_Variables.

2. Can your Medical Records/Hospital Information Services extract the required hospital data? The data items required are listed in the 231115_Hospital_Data_Variables.

If "Yes" to both checks, then it will be possible to proceed to the next step of obtaining Ethics and Site Governance approvals for your hospital to join the registry. Please contact us to discuss further.

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National Transfusion Dataset

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