

NTD Patient Recruitment and Data Extraction Processes

FOR HEALTH INFORMATION SERVICES (HIS) (or equivalent department)/ CLINICAL PERFORMANCE UNIT (CPU)/HEALTH INFORMATION EXCHANGE (HIE)

Version 2.0, dated 31 October 2023

The following document is intended as a quick reference guide for HIS/CPU/HIE staff delegated to perform the necessary National Transfusion Dataset (NTD) data extraction.

Recruitment and Data Extraction Strategy

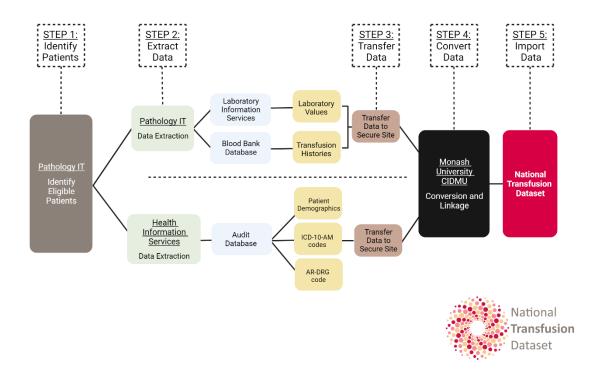


Figure 1. Data Extraction and Data Linkage Strategy employed by the NTD for Australian sites

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HIS/CPU/HIE Requirements:

STEP 1	ACTION NO ACTION REQUIRED — a list of patients eligible for the NTD will be forwarded to you by your hospital's Pathology I.T. on a biannual basis* (see Data Extraction Schedule below)
STEP 2	 Extract all relevant administration and coding data (as per NTD dataset) for each NTD patient identified in the relevant recruitment period Please ensure that data for ALL 'episodes of care' within the formal hospital admission are extracted, not just the episode in which the transfusion took place
STEP 3	 Before transferring data to Monash University, ensure that the file/s follow the NTD naming convention and are in the standard format (see 'Important Notes' and examples below). Transfer extracted data using Secure File Transfer Protocol (SFTP): https://www.monash.edu/researchinfrastructure/helix/capabilities/data-security

^{*}Sites are may wish to extract data for the NTD more frequently. Please contact the NTD project manager to discuss the requirements at your site

Important Notes

- Please keep the file type (e.g. '.xlsx', '.csv') as well as all column names and their order the same as the previous data extraction. Necessary changes to a site's data format needs to be discussed with the NTD Project Manager in advance
- NTD naming convention example: 'YYMMDD_NTD_Hospital_HIS_RecruitmentPeriodYear.filetype' (e.g. 230605_NTD_ALF_HIS_Jan-March2023.xlsx')
- Contact NTD Staff (<u>sphpm.ntd@monash.edu</u>) if you require a SFTP login or are having technical difficulties



Example of HIS Administration data extract (please note that the format may differ between hospitals however, the SAME format should be provided each time)

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									EPI START	EPI END	EPI END					ADM			HOSP_			VENT_		SPEC	SPEC		DRG DRG
	MRN		FAMILY			EPI_ID		DATE	TIME			ADMDATE				IAhF		SEP TIME				TIME	MODE	NAME	UNIT		DESC TYPE
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	123456789			16/02/1918		100000002	_	19/04/2012		14/05/2012					n/a	1	14/05/2012		25	775		U		Medical	Geriatric		GI Hae M
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	123456789 123456789			16/02/1918		10000002		24/05/2012							n/a n/a	4	23/05/2012 18/06/2012		22	44	0	0	_	5 Medical 3 Medical	Geriatric Geriatric		Respir: M
	123456789			16/02/1918		100000001		15/06/2012							n/a	1	18/06/2012		3	44	0	0		7 Medical			Respir M
	987654321			25/11/1944		20000001		20/02/2012								5		10:10:00	82	5166	147	0	,		S Upper G		Pancre S
		Jane		25/11/1944		20000001				8/07/2012							8/07/2012	21:50:00	33	297	147	0			Oncolog		OR Pro S
	234567891	Mary		11/03/1930		12345678		19/03/2012				19/03/2012				5	8/04/2012	15:22:00	20	280	24	0			S Upper G		Pancre S
				r 7/08/1939		987654321		31/12/2011							n/a	1	11/01/2012		11	88		0			Haemato		Respir: M
				r 7/08/1939	F	987654321				29/03/2012					n/a	1	31/03/2012		51			0	,	Medical			Sinus aS
	876543219				F	987654322		29/03/2012							n/a	1	31/03/2012		2	172		n	-	7 Medical	Haemato		Lymph M
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Example of HIS Diagnosis Codes data extract

4	Α	В	С	D	E	F	G	Н	-
1	MRN	ADM_ID	EPI SEQ #	TYPE	DIAG CODE	DIAG DESC	CONDITION ONSET FLAG		
2	987654321	123456789		01	M8012/6	Large cell carcinoma NOS, metastatic	2		
3	987654321	123456789		02	C34.3	Malignant neoplasm of lower lobe, brond	2		
4	987654321	123456789		03	M8012/3	Large cell carcinoma NOS	2		
5	987654321	123456789		04	J95.8	Other postprocedural respiratory disorde	1		
6	987654321	123456789		05	J93.9	Pneumothorax, unspecified	1		
7	987654321	123456789	1	06	T81.0	Haemorrhage and haematoma complica	1		
8	987654321	123456789	1	07	J94.2	Haemothorax	1		
9	987654321	123456789	1	Р	C79.88	Secondary malignant neoplasm of other	2		
10	987654321	123456789	2	01	C79.88	Secondary malignant neoplasm of other	2		
11	987654321	123456789		02	M8012/6	Large cell carcinoma NOS, metastatic	2		
12	987654321	123456789		03	C34.3	Malignant neoplasm of lower lobe, brond	2		
13	987654321	123456789		04	M8012/3	Large cell carcinoma NOS	2		
14	987654321	123456789	2	05	J95.8	Other postprocedural respiratory disords	2		
15	987654321	123456789	2	06	J93.9	Pneumothorax, unspecified	2		
16	987654321	123456789	2	07	T81.0	Haemorrhage and haematoma complica	2		
17	987654321	123456789	2	08	J94.2	Haemothorax	2		
18	987654321	123456789	2	Р	Z50.9	Care involving use of rehabilitation proce	2		
19	987654321	123456789	3	01	J93.9	Pneumothorax, unspecified	2		
20	987654321	123456789	3	02	Y83.8	Other surgical procedures	2		
21	987654321	123456789	3	03	Y92.22	Health service area	2		
22	987654321	123456789	3	04	C79.88	Secondary malignant neoplasm of other	2		
23	987654321	123456789	3	05	M8012/6	Large cell carcinoma NOS, metastatic	2		
24	987654321	123456789	3	06	C34.3	Malignant neoplasm of lower lobe, brond	2		
25	987654321	123456789	3	07	M8012/3	Large cell carcinoma NOS	2		
26	987654321	123456789	3	08	Z86.43	Personal history of tobacco use disorder	2		
27	987654321	123456789	3	Р	J95.8	Other postprocedural respiratory disords	2		
28	987654321	123456789	4	01	J95.8	Other postprocedural respiratory disords	2		
29	987654321	123456789	4	02	J93.9	Pneumothorax, unspecified	2		
30	987654321	123456789	4	03	J90	Pleural effusion, not elsewhere classifie	(2		
31	987654321	123456789	4	04	Y83.8	Other surgical procedures	2		
32	987654321	123456789	4	05	Y92.22	Health service area	2		
33	987654321	123456789	4	06	C34.3	Malignant neoplasm of lower lobe, brond	-		
	987654321	123456789		07	M8012/3	Large cell carcinoma NOS	2		
	987654321	123456789		08	C79.88	Secondary malignant neoplasm of other	2		
	987654321	123456789		Р	Z50.9	Care involving use of rehabilitation proce			
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38									*
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Example of HIS Procedure Codes data extract

1	Α	В	С	D	E	F	G
			EPISODE	PROCEDURE	PROCEDURE	PROCEDURE	
1		ADM_ID	SEQ NO.	TYPE	DATE	CODE	PROCEDURE DESC
2	987654321	123456789	1	01	15/09/2012	38488-01	Replacement of aortic valve with bioprosthesis
3	987654321	123456789	1	02	15/09/2012	38497-01	Coronary artery bypass, using 2 saphenous vein grafts
4	987654321	123456789	1	03	15/09/2012	38600-00	Cardiopulmonary bypass, central cannulation
5	987654321	123456789	1	04	15/09/2012	55118-00	2 dimensional real time transoesophageal ultrasound of heart
6	987654321	123456789	1	05	15/09/2012	92514-40	General anaesthesia, ASA 40
7	987654321	123456789	1	06	20/06/2012	13882-01	Management of continuous ventilatory support, more than 24 hours and less than 96 hours
8	987654321	123456789	1	07	15/09/2012	92515-99	Sedation, ASA 99
9	987654321	123456789	1	08	15/09/2012	92209-01	Management of noninvasive ventilatory support, > 24 and < 96 hours
10	987654321	123456789	1	09	15/06/2012	38218-00	Coronary angiography with left heart catherisation
	987654321			10	20/06/2012	97521-01	Adhesive restoration of anterior tooth, 1 surface, direct
	987654321	123456789		11	15/09/2012	97311-05	Removal of 5 - 9 teeth or part(s) thereof
		123456789		12	15/09/2012	97114-00	Removal of calculus from surfaces of teeth
14	987654321	123456789	1	13	15/09/2012	11506-00	Other measurement of respiratory function
15	987654321	123456789	1	14	15/09/2012	13706-02	Administration of packed cells
16	987654321	123456789	1	15	15/09/2012	92062-00	Administration of other serum
17	987654321	123456789	1	16	15/09/2012	13706-03	Administration of platelets
18	987654321	123456789	1	17	15/09/2012	95550-03	Allied health intervention, physiotherapy
19	987654321	123456789	1	Р	20/07/2012	33500-00	Carotid endarterectomy
20							
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Contact details

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