

Project Details

Name	CARDS
Organisation(s)	UHS

Versioning

Version	v2
Version Notes	Corrected data types following upload

Cohort

Inclusion Criteria	Any hospital patient >18 who is in hospital for 24 hours or more, and not on a maternity ward
Exclusion Criteria	<18, maternity ward stay

Metadata

Template Version	v1.0
Tables	15
Columns	74
Issues	None

Table	Description	CHECKS
ADMINISTRATIONS	Drug administrations	OK
CARDIAC_ARRESTS	Cardiac Arrest table	OK
DEMOGRAPHICS	Patient Demographics	OK
DIAGNOSES	Diagnoses and Comorbidities (for spells only)	OK
DIAGNOSIS_DECODE	Diagnoses ICD10 codes descriptions	OK
DRUGS_DECODE	Medication / Drug ID decode description	OK
MEDICATIONS	Medication administrations and prescriptions	OK
PATHOLOGY	Patient pathology (lab testing) results	OK
PATHOLOGY_DECODE	Pathology decode table	OK
PHYSIOLOGY	Physiological measurements	OK
SPELLS	Inpatient spells	OK
VITALS	Vital signs (minuted when in ICU)	OK
VITALS_DECODE	Vitals decode table	OK
WARD_MOVEMENTS	Ward movement for each spell.	OK
WARDS_DECODE	Wards descriptions	OK

Table	Column	Order	Data Type	Primary Key	Length	Vocabularies	Enumerations	Foreign Key Target	Column Description	CHECKS
ADMINISTRATIONS	PATIENT_ID	1	Text		6				Unique identifier assigned to each patient.	OK
ADMINISTRATIONS	SPELL_ID	2	Text		6				Unique identifier for a specific hospital stay or admission period (spell).	OK
ADMINISTRATIONS	ADMIN_DATETIME	3	Date						Date and time when the drug was administered to the patient.	OK
ADMINISTRATIONS	DRUG_ID	4	Text		6				Unique identifier for the drug administered.	OK
ADMINISTRATIONS	INDEX_KEY	5	Integer	1	64				Primary key created from index	OK
CARDIAC_ARRESTS	PATIENT_ID	1	Integer					DEMOGRAPHICS.PATIENT_ID	Unique identifier assigned to each patient.	OK
CARDIAC_ARRESTS	CARDIAC_ARREST_DATE	2	Datetime						Date when the patient experienced cardiac arrest	OK
CARDIAC_ARRESTS	WEEKEND_BANK_HOLIDAY	3	Text		21				Indicator if the event occurred on a weekend or bank holiday	OK
CARDIAC_ARRESTS	TIME_24HRS	4	Text		39				Time of the event in 24-hour format	OK
CARDIAC_ARRESTS	IN_OR_OUT_22_07	5	Text		8				Indicates if the event happened between 22:00 and 07:00 (yes/no)	OK
CARDIAC_ARRESTS	TEAM	6	Text		38				Medical or response team attending to the patient.	OK
CARDIAC_ARRESTS	LOCATION_BED_NUMBER	7	Text		33				Specific hospital bed or location where the event occurred	OK
CARDIAC_ARRESTS	DIVISION	8	Text		9				Hospital division or department handling the case	OK
CARDIAC_ARRESTS	IN_PATIENT_OUTPATIENT_OR_STAFF	9	Text		20				Indicates whether the individual is an inpatient, outpatient, or staff member	OK
CARDIAC_ARRESTS	INITIAL_RHYTHM	10	Text		376				The first recorded heart rhythm at the time of cardiac arrest	OK
CARDIAC_ARRESTS	RIP_IN_HOSPITAL	11	Text		31				Indicates if the patient died in the hospital	OK
CARDIAC_ARRESTS	STANDARDIZED_RIP_IN_HOSPITAL	12	Datetime						Standardized version of RIP status for reporting or analysis	OK
CARDIAC_ARRESTS	DISCHARGE_DATE	13	Text		40				Date when the patient was discharged from the hospital.	OK
CARDIAC_ARRESTS	INDEX_KEY	14	Integer	1	64				Primary key created from index	OK
DEMOGRAPHICS	PATIENT_ID	1	Integer						Unique identifier assigned to each patient.	OK
DEMOGRAPHICS	PATIENT_HASH	2	Text		128				Anonymized or hashed version of the patient identifier	OK
DEMOGRAPHICS	YEAR_OF_BIRTH	3	Integer						The year the patient was born.	OK
DEMOGRAPHICS	MONTH_OF_BIRTH	4	Integer						The month the patient was born.	OK
DEMOGRAPHICS	DECEASED	5	Text		1		Y		Indicator of whether the patient is deceased (Yes/No or binary).	OK
DEMOGRAPHICS	SEX	6	Text		7				The biological sex of the patient (e.g., Male, Female, Other).	OK
DEMOGRAPHICS	ETHNICITY	7	Text		250				Ethnic background classification of the patient.	OK
DEMOGRAPHICS	IMD_DECILE	8	Integer						Index of Multiple Deprivation decile (1 = most deprived, 10 = least deprived).	OK
DEMOGRAPHICS	INDEX_KEY	9	Integer	1	64				Primary key created from index	OK
DIAGNOSES	PATIENT_ID	1	Integer					DEMOGRAPHICS.PATIENT_ID	Unique identifier for each patient.	OK
DIAGNOSES	SPELL_ID	2	Integer					SPELLS.SPELL_ID	Unique identifier for a continuous period of care within a hospital (hospital spell).	OK
DIAGNOSES	DIAGNOSIS_CODE	3	Text		10	ICD	Y	DIAGNOSIS_DECODE.DIAGNOSIS_CODE	Clinical code representing a specific diagnosis, typically using ICD-10 standards.	OK
DIAGNOSES	PRIMARY_DIAGNOSIS	4	Text		1				Indicates whether the diagnosis is the main reason for the hospital admission (Y/N).	OK
DIAGNOSES	INDEX_KEY	5	Integer	1	64				Primary key created from index	OK
DIAGNOSIS_DECODE	DIAGNOSIS_CODE	1	Text		10	ICD			Clinical code representing a specific diagnosis, typically using ICD-10 standards.	OK
DIAGNOSIS_DECODE	DESCRIPTION	2	Text		60				Description of the ICD-10 Diagnosis Code	OK
DIAGNOSIS_DECODE	INDEX_CODE	3	Integer	1	64				Primary key created from index	OK
DRUGS_DECODE	DRUG_ID	1	Text		7				Unique identifier for the drug administered.	OK
DRUGS_DECODE	DRUG_NAME	2	Text		60				Drug Name	OK
DRUGS_DECODE	INDEX_KEY	3	Integer	1	64				Primary key created from index	OK
MEDICATIONS	PATIENT_ID	1	Text		64			DEMOGRAPHICS.PATIENT_ID	Unique identifier assigned to each patient.	OK
MEDICATIONS	SPELL_ID	2	Text		64			SPELLS.SPELL_ID	Unique identifier for the patient's hospital stay or treatment episode.	OK
MEDICATIONS	ORDER_TYPE	3	Text		64				Type of prescription order (e.g., Inpatient, TTA, Outpatient).	OK
MEDICATIONS	PRESCRIPTION_START_DATETIME	4	Datetime						Date and time when the medication prescription was initiated.	OK
MEDICATIONS	PRESCRIPTION_STOP_DATETIME	5	Datetime						Date and time when the medication prescription was stopped or ended.	OK
MEDICATIONS	DRUG_ID	6	Integer						Identifier for the prescribed drug, referencing a standardized drug list.	OK
MEDICATIONS	INDEX_KEY	7	Integer	1					Primary key created from index	OK
PATHOLOGY	PATIENT_ID	1	Integer					DEMOGRAPHICS.PATIENT_ID	Unique identifier assigned to each patient.	OK
PATHOLOGY	SPELL_ID	2	Integer					SPELLS.SPELL_ID	Unique identifier for the patient's hospital admission or care episode.	OK
PATHOLOGY	SAMPLE_DATE	3	Datetime						Date when the sample was collected from the patient.	OK
PATHOLOGY	DATE_REPORTED	4	Datetime						Date when the test result was reported.	OK
PATHOLOGY	SPECIMEN_TYPE	5	Text		500				Type of biological specimen collected.	OK
PATHOLOGY	REQUEST_TYPE	6	Text		12				Category or reason for the test request.	OK
PATHOLOGY	TEST_CODE	7	Text		12			PATHOLOGY_DECODE.TEST_CODE	Code representing the type of test conducted.	OK
PATHOLOGY	OUTPUT_CLASS	8	Text		64				Classification of the test output (e.g., quantitative, qualitative).	OK
PATHOLOGY	CONVERSION_STATUS	9	Text		64				Indicates if the result was converted to a standard format or unit.	OK
PATHOLOGY	RESULT_RAW	10	Text		100				Original/raw result value received from the lab system.	OK
PATHOLOGY	RESULT_PROCESSED	11	Text		100				Final processed or interpreted result value.	OK
PATHOLOGY	RANGE_HIGH	12	Float						Upper reference limit for the test result.	OK
PATHOLOGY	RANGE_LOW	13	Float						Lower reference limit for the test result.	OK
PATHOLOGY	INDEX_KEY	14	Integer	1	64				Primary key created from index	OK
PATHOLOGY_DECODE	REQUEST_TYPE	1	Text		12				Category or reason for the test request	OK
PATHOLOGY_DECODE	TEST_CODE	2	Text		12				Code representing the test conducted	OK
PATHOLOGY_DECODE	TEST_NAME	3	Text		60				Name of the test	OK
PATHOLOGY_DECODE	UNITS	4	Text		16				Measurement units for test results	OK
PATHOLOGY_DECODE	RESULT_CLASS	5	Text		36				Classification of test result type	OK
PATHOLOGY_DECODE	LOINC_CODE	6	Text		50				Standardized LOINC code for the test	OK
PATHOLOGY_DECODE	UCUM_UNITS	7	Text		50				Units in UCUM (Unified Code for Units of Measure)	OK
PATHOLOGY_DECODE	RDS_RESEARCH_NAME	8	Text		255				Variable/test name used in research datasets	OK
PATHOLOGY_DECODE	RDS_FULL_NAME	9	Text		255				Full descriptive name used in research datasets	OK
PATHOLOGY_DECODE	INDEX_KEY	10	Integer	1	64				Primary key created from index	OK

PHYSIOLOGY	PATIENT_ID	1	Integer		DEMOGRAPHICS.PATIENT_ID	Unique identifier for each patient	OK
PHYSIOLOGY	SPELL_ID	2	Integer		SPELLS.SPELL_ID	Unique identifier for hospital admission/care episode	OK
PHYSIOLOGY	ADMISSION_DATE	3	Datetime			Date when patient was admitted	OK
PHYSIOLOGY	MEASUREMENT_DATE	4	Datetime			Date when height or weight was measured	OK
PHYSIOLOGY	MEASUREMENT_TYPE	5	Text	6		Type of measurement (e.g., Height, Weight)	OK
PHYSIOLOGY	MEASUREMENT_RESULT	6	Float			The actual value recorded (numeric)	OK
PHYSIOLOGY	UNITS	7	Text	2		Units of measurement for the result	OK
PHYSIOLOGY	RANK	8	Integer			Ranking or order (e.g., measurement number)	OK
PHYSIOLOGY	INDEX_KEY	9	Integer	1	64	Primary key created from index	OK
SPELLS	PATIENT_ID	1	Integer	1		DEMOGRAPHICS.PATIENT_ID	Unique identifier for each patient
SPELLS	SPELL_ID	2	Integer	2			Unique identifier for hospital admission/care episode
SPELLS	ADMISSION_DATE	3	Datetime				Date when the patient was admitted
SPELLS	DISCHARGE_DATE	4	Datetime				Date when the patient was discharged
SPELLS	ORGANISATION_CODE	5	Text	12	NHS		Code identifying the healthcare organization
SPELLS	ADMISSION_METHOD_CODE	6	Text	3			Code representing how the patient was admitted
SPELLS	ADMISSION_METHOD	7	Text	50	NHS		Description of the admission method
SPELLS	ADMISSION_SOURCE_CODE	8	Text	2			Code representing where the patient came from
SPELLS	ADMISSION_SOURCE	9	Text	40	NHS		Description of the admission source
SPELLS	DISCHARGE_DESTINATION_CODE	10	Text	5			Code for discharge location
SPELLS	DISCHARGE_DESTINATION	11	Text	40			Description of discharge destination
SPELLS	INDEX_KEY	12	Integer				Primary key created from index
VITALS	PATIENT_ID	1	Integer			DEMOGRAPHICS.PATIENT_ID	Unique identifier for each patient
VITALS	SPELL_ID	2	Integer			SPELLS.SPELL_ID	Unique identifier for admission/care episode
VITALS	PARAMETER_ID	3	Integer			VITALS_DECODE.PARAMETER_ID	Identifier for the vital sign measured
VITALS	TIME	4	Datetime				Time when the measurement was taken
VITALS	VALUE	5	Float				Measured value of the vital sign
VITALS	INDEX_KEY	6	Integer	1	64		Primary key created from index
VITALS_DECODE	PARAMETER_ID	1	Integer				Unique identifier or code for a vital sign
VITALS_DECODE	PARAMETER_NAME	2	Text	450			Full name of the vital sign
VITALS_DECODE	UNIT	3	Text	50			Measurement unit for the vital sign
VITALS_DECODE	INDEX_KEY	4	Integer	1	64		Primary key created from index
WARD_MOVEMENTS	PATIENT_ID	1	Integer			DEMOGRAPHICS.PATIENT_ID	Unique identifier for the patient
WARD_MOVEMENTS	SPELL_ID	2	Integer			SPELLS.SPELL_ID	Unique identifier for the hospital stay (admission episode)
WARD_MOVEMENTS	SEQUENCE	3	Integer				Order number of the ward movement during the spell
WARD_MOVEMENTS	WARD_CODE	4	Text	10		WARDS_DECODE.WARD_CODE	Code identifying the ward
WARD_MOVEMENTS	WARD_BAY	5	Text	10			Specific bay or sub-location within the ward
WARD_MOVEMENTS	START_DATE	6	Datetime				Date/time when patient moved into the ward
WARD_MOVEMENTS	END_DATE	7	Datetime				Date/time when patient left the ward
WARD_MOVEMENTS	HDU_OR_ICU	8	Text	1	Y		Flag indicating if the ward is High Dependency Unit or Intensive Care Unit
WARD_MOVEMENTS	INDEX_KEY	9	Integer	1	64		Primary key created from index
WARDS_DECODE	WARD_CODE	1	Text	10			Unique code identifying a ward
WARDS_DECODE	WARD_NAME	2	Text	40			Full name or description of the ward
WARDS_DECODE	INDEX_KEY	3	Integer	1	64		Primary key created from index

Table	Column	Code	Name	Additional Description	CHECKS
DEMOGRAPHICS	DECEASED	Y	Yes		OK
DEMOGRAPHICS	DECEASED	N	No		OK
DIAGNOSES	DIAGNOSIS_CODE	Y	Yes		OK
DIAGNOSES	DIAGNOSIS_CODE	N	No		OK
PATHOLOGY	CONVERSION_STATUS	FAIL	FAIL	Algorithmic conversion based on result OUTPUT_CLASS failed	OK
PATHOLOGY	CONVERSION_STATUS	SUCCESS	SUCCESS	Algorithmic conversion based on result OUTPUT_CLASS succeeded	OK
PATHOLOGY	CONVERSION_STATUS	DISCARD	DISCARD	Test should be discardable based on algorithmic conversion	OK
PATHOLOGY	CONVERSION_STATUS	UNPROCESSED	UNPROCESSED	Algorithm not established to convert result for test	OK
WARD_MOVEMENTS	HDU_OR_ICU	Y	Yes		OK
WARD_MOVEMENTS	HDU_OR_ICU	N	No		OK