



Government of **Western Australia**
Department of **Health**

Emergency Department Data Collection

Data Specifications

July 2023

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Links to:	Information Management Policy Framework https://ww2.health.wa.gov.au/About-us/Policy-frameworks/Information-Management

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Abbreviations

EDDC	Emergency Department Data Collection
EDIS	Emergency Department Information System
HSS	Health Support Services
ICT	Information and Communications Technology
PAS	Patient Administration System
SQL	Structured Query Language
webPAS	Web-based Patient Administration System

1. Purpose

The purpose of the *Emergency Department Data Collection Data Specifications* is to outline the requirements for Health Service Providers and Contracted Health Entities to report emergency department patient activity to the Department of Health.

The *Emergency Department Data Collection Data Specifications* is a related document mandated under [MP 0164/21 Patient Activity Data Policy](#).

These data specifications are to be read in conjunction with this policy and other related documents and supporting information as follows:

- [Emergency Department Patient Activity Data Business Rules](#)
- [Emergency Department Data Collection Data Dictionary](#)
- [Patient Activity Data Policy Information Compendium](#).

2. Background

Emergency department patient data must be recorded in approved Patient Administration Systems (PAS) in an accurate and timely manner so that the data are available and can be accessed for inclusion into the Emergency Department Data Collection (EDDC).

3. Contact details requirements

Data providers must complete the contact details form ([Appendix A](#)) and provide contact details for two people who can be contacted in the event of data submission queries or issues:

- ICT technical contact – for data load/extract issues
- Information management contact – for data queries.

4. Submission of data

Data must be submitted to EDDC in accordance with the data submission schedule (Section 5) and data element listing (Section 6) outlined below, unless otherwise agreed to with the EDDC Custodian.

5. Data submission schedule

Data must be made available for the relevant reporting period as per the schedule set below.

5.1 Daily extracts

PAS	Reporting Period	Provided to EDDC	Notes
EDIS	Daily data for the previous 90 days	1:00 am	Direct access to the EDIS backend SQL server
webPAS	Daily data for the previous 7 days	6:30 am	HSS provide daily full extraction file
Midland webPAS	Daily data for the previous 90 days	6:45 am	St John of God Midland provide daily extraction file
Peel Meditech	Daily data for the previous 7 days	7:00 am	Direct access to Ramsay SFTP server

5.2 Monthly extracts

PAS	Reporting Period	Provided to EDDC	Notes
webPAS	Monthly	Full refreshes are loaded on 5 th of each month at 2:00 pm.	Daily webPAS load occurs at regular time on the same day.

6. Data element listing

Data providers must ensure that data is made available as per the specifications in the following appendices:

- Appendix B – Emergency Department Data Collection.

7. Data quality and validation correction process

Data providers are responsible for the quality of data provided. Data quality validations are undertaken by the Quality and Assurance Team at the Department of Health to ensure that data is compliant with reporting specifications, and the five data quality principles:

- relevance
- accuracy
- timeliness
- coherence
- interpretability.

Data validation and errors will be distributed to the reporting hospital via dashboards, spreadsheets or ad hoc communication.

It is the responsibility of health care providers, administrative, clinical coding and clerical staff to complete and confirm correct data validations within required timeframes as communicated by the Department.

Some examples of data quality validations may include:

- Patient demographics
- Reporting of blank or invalid values
- Availability of sufficient information to enable reporting to the Independent Hospital and Aged Care Pricing Authority.

For the full list of current EDDC data quality validations, refer to the [EDDC Data Validation Manual](#).

8. Glossary

The following definition(s) are relevant to this document.

Term	Definition
Contracted Health Entity	As per section 6 of the <i>Health Services Act 2016</i> , a non-government entity that provides health services under a contract or other agreement entered into with the Department Chief Executive Officer on behalf of the State, a Health Service Provider or the Minister
Custodian	A custodian manages the day-to-day operations of the information asset(s) and implements policy on behalf of the Steward and Sponsor.
Data Collection	Refer to Information Asset
Data Specifications	Data Specifications mandate the list of data elements, format and submission schedule for each information asset.
Health Service Provider	As per section 6 of the <i>Health Services Act 2016</i> , a Health Service Provider established by an order made under section 32(1)(b)
Information asset	A collection of information that is recognised as having value for the purpose of enabling the WA health system to perform its clinical and business functions, which include supporting processes, information flows, reporting and analytics.
Information Management Policy Framework	The Information Management Policy Framework specifies the information management requirements that all Health Service Providers must comply with in order to ensure effective and consistent management of health, personal and business information across the WA health system.
Patient Activity Data Business Rules	Patient Activity Data Business Rules mandate the rules, scope and criteria to be used when recording health service patient activity data and reporting to the Department of Health.
WA health system	Pursuant to section 19(1) of the <i>Health Services Act 2016</i> , means the Department of Health, Health Service Providers, and to the extent that Contracted Health Entities provide health services to the State, the Contracted Health Entities.

Appendix A – Contact details form



Government of **Western Australia**
Department of **Health**

Emergency Department Data Collection Data Provider Contact Details Form

The purpose of this form is to collect contact information for persons providing data to the Emergency Department Data Collection (EDDC).

Name of Data Provider or Feeder System Click or tap here to enter text.

Date Click or tap here to enter text.

ICT Technical Contact

Please provide details for the person to contact regarding technical queries (e.g. data loading, extract issues)

Name Click or tap here to enter text.

Position Click or tap here to enter text.

Organisation Click or tap here to enter text.

Email Click or tap here to enter text.

Phone Click or tap here to enter text.

Information Management Contact

Please provide contact details for the person to contact regarding data queries (e.g. queries relating to data interpretation)

Name Click or tap here to enter text.

Position Click or tap here to enter text.

Organisation Click or tap here to enter text.

Email Click or tap here to enter text.

Phone Click or tap here to enter text.

Please submit this form to DataRequests.EDDC@health.wa.gov.au

Appendix B – Emergency Department Data Collection

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
1	Establishment Code	Numeric	NNNN	Mandatory	Refer to the Emergency Department Establishment List
2	Sequence Number	Numeric	N(10)	Mandatory	
3	Arrival Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Mandatory	
4	Triage Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Mandatory	
5	Doctor Seen Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
6	Nurse Seen Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
7	Discharge Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Mandatory	
8	Admission Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
9	Unit Medical Record Number (UMRN)	String	X(10)	Conditional	
10	Account Number	String	X(12)	Conditional	The account number can be alphanumeric or numeric and has a maximum of 12 characters.
11	Department of Veterans' Affairs File Number	String	[N(12)]	Conditional	
12	Department of Veterans' Affairs Card Colour	Numeric	[N]	Conditional	1 Gold 2 White
13	Department of Veteran Affairs Authorisation Number	String	[X(12)]	Conditional	
14	Department of Veteran Affairs Authorisation Date	Date	YYYY-MM-DD	Conditional	
15	Family Name	String	X(50)	Mandatory	
16	First Given Name	String	X(30)	Mandatory	
17	Second Given Name	String	[X(30)]	Optional	
18	Residential Address	String	X(50)	Mandatory	
19	Residential Suburb	String	X(30)	Mandatory	
20	Australian Postcode	String	NNNN	Mandatory	Refer to Australia Postcode list
21	Home Phone Number	Numeric	N(12)	Optional	
22	Work Phone Number	Numeric	[N(12)]	Optional	

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
23	Date of Birth	Date	DD/MM/YYYY	Mandatory	
24	Sex recorded at birth, code	String	N	Mandatory	1 Male 2 Female 3 Another term 9 Not stated/Inadequately described
25	Aboriginal Status	String	N	Mandatory	1 Aboriginal but not Torres Strait Islander origin 2 Torres Strait Islander but not Aboriginal origin 3 Both Aboriginal and Torres Strait Islander origin 4 Neither Aboriginal or Torres Strait Islander origin 9 Unknown
26	Australian State or Country of Birth	Numeric	N(4)	Mandatory	Refer to the Australian State or Country of Birth Code List
27	Marital Status	String	N	Mandatory	1 Never Married 2 Widowed 3 Divorced 4 Separated 5 Married (registered and de facto) 6 Not stated / inadequately described
28	Interpreter Required	String	[N(1)]	Optional	1 Interpreter required 2 Interpreter not required 9 Not specified/Unknown
29	Employment Status	String	[N(10)]	Optional	1 Child not at School 2 Student 3 Employed 4 Unemployed 5 Home Duties 6 Retired 7 Pensioner 8 Other 9 Unknown
30	Occupation	String	[N(5)]	Optional	
31	Triage Category	String	N(5)	Mandatory	1 Resuscitation: immediate (within seconds) 2 Emergency: within 10 minutes 3 Urgent: within 30 minutes 4 Semi-urgent: within 60 minutes 5 Non-urgent: within 120 minutes

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
					6 Dead on arrival 7 Direct Admission 8 Inpatient
32	Departure Status	String	N[N(1)]	Mandatory	1 Admitted to the hospital ward 2 ED service event completed; departed under own care 3 Transferred to another hospital for admission 4 Did not wait to be attended by medical officer 5 Left at own risk 6 Died in ED 7 Dead on arrival, not treated in ED 8 Referred at Triage to other Health Care Service 9 Unknown 10 Admitted to ED Short Stay Unit 11 Admitted to Hospital in the Home 13 Nursing Home 20 Admitted Reversal 21 Virtual Emergency Care Completed at Home
33	Destination on Departure	String	N[N(1)]	Mandatory	1 Did not wait 2 Left at own risk 3 Nursing Home/Hostel 4 Transferred 5 Mortuary 6 Admitted 7 Other hospital 8 Home 9 Unknown 10 Other 11 Admitted to ED Observation Ward 12 Mental Health/Psychiatric Facility
34	Visit Type	String	N(5)	Mandatory	1 Emergency Presentation 2 Return Visit - Planned 3 Unplanned Return visit 4 Outpatient/Outpatient Clinic 7 Pre-Arranged Admission 10 Dead On Arrival 15 Transfer from other hospital

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
					16 Direct Admission 23 Inpatient
35	Mode of Arrival	String	N[N(1)]	Mandatory	1 Private transport 2 Public transport 3 Ambulance 4 Hospital transport 5 Police/Correctional Services 6 Helicopter rescue 7 Royal Flying Doctor Service 8 Other 9 Not Stated/Unknown 10 Taxi
36	Referral Source	String	N[N(1)]	Mandatory	1 Appointment 2 GP – Letter 3 GP – No letter 4 Self/relative 5 Clinic 6 Other hospital 7 Other 8 Health Direct 9 No GP access 10 Recalled medical staff 11 Unknown 12 Nursing Home 13 Hospital in the Home 14 Mental Health
37	Medicare Card Number	Numeric	N(11)	Conditional	
38	Funding Source	String	N[N(1)]	Mandatory	21 Australian Health Care Agreements 22 Private Health Insurance 23 Self-Funded 24 Worker's Compensation 25 Motor Vehicle Third Party Personal Claim 26 Other Compensation 27 Department of Veterans' Affairs 28 Department of Defence 29 Correctional Facility 30 Reciprocal Health Care Agreements 31 Ineligible

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
					32 Other 33 Ambulatory Surgery Initiative 34 Detainees 99 Not stated/inadequately described
39	Principal Diagnosis	String	ANN{.N[N]}	Mandatory	Refer to ED ICD-10-AM 12th Edition Principal Diagnosis Short List
40	Presenting Complaint	String	XXXXX	Mandatory	
41	Major Diagnostic Category	String	N[N(1)]	Mandatory	1 Diseases and disorders of the nervous system 2 Diseases and disorders of the eye 3 Diseases and disorders of the ear, nose and throat 4 Diseases and disorders of the respiratory system 5 Diseases and disorders of the circulatory system 6 Diseases and disorders of the digestive system 7 Diseases and disorders of the hepatobiliary system and pancreas 8 Diseases and disorders of musculoskeletal system and connective tissue 9 Diseases and disorders of the skin, subcutaneous tissue and breast 10 Endocrine, nutritional and metabolic diseases and disorders 11 Diseases and disorders of the kidney and urinary tract 12 Diseases and disorders of the male reproductive system 13 Diseases and disorders of the female reproductive system 14 Pregnancy, childbirth and the puerperium 15 Newborns and other neonates with conditions originating in the perinatal period 16 Diseases and disorders of blood & blood forming organs & immunological disorders 17 Myeloproliferative diseases and disorders, and poorly differentiated neoplasms 18 Infectious and parasitic diseases

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
					19 Mental diseases and disorders 20 Substance use and substance induced organic mental disorders 21 Injuries, poisonings and toxic effects of drugs 22 Burns 23 Factors influencing health status and other contacts with health services 24 Ungrouped 99 Unknown
42	Departure Ready Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
43	Human Intent of Injury	String	N	Mandatory	1 Unintentional 2 Intentional Self-Harm 3 Alleged Assault 4 Alleged Legal or Military Action 5 Undetermined or Other 9 Unknown
44	Feeder System	String	A	Mandatory	T TOPAS E EDIS H HCARE P ePAS / Meditech W webPAS M Midland webPAS
45	External Cause of Injury	String	N[N(1)]	Optional	1 Transport Event 2 Pedestrian 3 Fall 4 Fall on Same Level 5 Fall < 1 Metre 6 Fall > 1 Metre 7 Bite or Sting 8 Contact Burn 9 Blunt Force 10 Cut, Pierced or Stabbed 11 Shot by Weapon 12 Contact with Machinery 13 Contact with Fire or Flame 14 Drowning/ Near Drowning 15 Exposure or Poisoning by Chemicals 16 Other Cause

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
					17 Electrocutation 99 Unknown
46	Third Given Name	String	[X(30)]	Optional	
47	Residential Address 2	String	[X(50)]	Optional	
48	Admitting Doctor Code	String	X(10)	Conditional	
49	Admitting Doctor Type	String	X(10)	Conditional	ADM Admitting Doctor ADMDR Admitting Doctor CN Charge Nurse CONS Consultant EDADMED Doctor (only ED physicians have admitting rights to SSU) EDCONED Consultant EDJMO ED Junior Medical Officer EDMO ED Medical Officer EDREG ED Registrar EDSMO ED Senior Medical Officer EDSNR ED Senior Registrar INT Intern OTHER Other REG Registrar SREG Senior Registrar Unknown Unknown
50	Referred to on Departure	String	N[N(1)]	Mandatory	1 Transferred to Tertiary Hospital 2 Transferred to Non-Tertiary Hospital 3 Other 4 Transferred to Nursing Home 9 Unknown
51	Bed Request Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
52	Additional Diagnosis	String	ANN{.N[N]}	Conditional	ICD-10-AM Code
53	Short Stay Unit Admission Date	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
54	Short Stay Unit Destination on Departure	String	N[N(1)]	Conditional	
55	Short Stay Unit Departure Status	String	N[N(1)]	Conditional	

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
56	Short Stay Unit Discharge Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
57	Admission Number	String	X(12)	Conditional	
58	Principal Diagnosis System Code EDIS	String	X(8)	Mandatory	
59	Treating Doctor Seen Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
60	Senior Doctor Seen Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
61	Major Diagnosis Block	String	X(2)	Conditional	
62	Feeder System Update Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Optional	
63	Claim Type	String	AAA	Mandatory	ADF Australian Defence BBD Bulk Billed COM Compensable Other EMV Other States MVIT FOD Foreign Defence OVS Overseas Student OVV Overseas Visitor PUB Public PVT Private Insured SHI Shipping UNI Private Uninsured UNK Unknown VET Veteran Affairs WAM WA MVIT WCC Workers Compensation
64	Record Loaded Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Mandatory	
65	Additional Diagnosis System Code EDIS	String	X(8)	Optional	
66	Record Status	String	A	Mandatory	N New U Update D Delete
67	Treating Doctor Type	String	[X(5)]	Conditional	CLK Clerk CN Clinical Nurse CNS Clinical Nurse Specialist EDADM Admitting Doctor ED Observation

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
					EDCON ED Consultant EDJMO ED Junior Medical Officer EDMO Medical Officer EDREG ED Registrar EDSMO Senior Medical Officer EDSNR ED Senior Registrar EN Enrolled Nurse LCLK Liaison Clerk MHP Mental Health Practitioner NP Nurse Practitioner NUM Nurse Manager OTHER Other PLN Psychiatric Liaison Nurse RN Registered Nurse SDN Staff Development Nurse ZZCCC ZZ Clinical Care Commence
68	Senior Doctor Type	String	[X(5)]	Conditional	ADM Admitting Doctor ADMDR Admitting Doctor CN Charge Nurse CONS Consultant EDADM Doctor (only ED physicians have admitting rights to SSU) EDCON Consultant EDJMO ED Junior Medical Officer EDMO ED Medical Officer EDREG ED Registrar EDSMO ED Senior Medical Officer EDSNR ED Senior Registrar INT Intern OTHER Other REG Registrar SREG Senior Registrar Unknown Unknown ZZCCC ZZ Clinical Care Commence
69	Place Where Injury Occurred	String	[X(5)]	Optional	
70	Type of Activity When Injury Occurred	String	[X(5)]	Optional	
71	Ambulance Number	String	[X(8)]	Conditional	

Order	Label	Data Type	Format	Requirement	Permitted Values/Comments
72	Ward Ready Datetime	Datetime	YYYY-MM-DD HH:MM:SS	Conditional	
73	Methamphetamine Flag at Triage	String	X(5)	Conditional	1 Likely Yes 2 Likely No 3 Unsure
74	Methamphetamine Flag at Diagnosis	String	X(5)	Conditional	1 Likely Yes 2 Likely No 3 Unsure
75	Methamphetamine Manual Flag	String	X(5)	Conditional	1 Likely Yes 2 Likely No 3 Unsure
76	Methamphetamine Manual Date	String	X(20)	Conditional	
77	Methamphetamine Manual Time	String	X(20)	Conditional	
78	Emergency Department Information System COVID-19 Flag	String	[N]	Optional	0 False 1 True
79	Stream	String	[X(30)]	Optional	
80	Clinical Comments	String	[X(2000)]	Optional	
81	Gender, code	String	N	Mandatory	1 Man or male 2 Woman or female 3 Non-binary 4 Different term 5 Prefer not to answer 9 Not stated or inadequately described

Appendix C – Summary of revisions

Date Released	Author	Approval	Amendment
1 July 2021	Luisa Chou	Rob Anderson, Assistant Director General, Purchasing and System Performance	Document created.
1 July 2022	Luisa Chou	Rob Anderson, Assistant Director General, Purchasing and System Performance	<p>Changed Data Type in the Data Specifications to reflect changes in the Data Dictionary.</p> <p>Corrected grammatical errors for accuracy and standardisation.</p> <p>Label updated for: -Suburb</p> <p>Requirements updated for: -Account Number -Senior Doctor Type -Treating Doctor Type</p> <p>Permitted Values updated for: -Departure Status</p>
1 July 2023	Luisa Chou	Rob Anderson, Assistant Director General, Purchasing and System Performance	<p>Added reference to EDDC Data Validation Manual.</p> <p>Updated name for Independent Health and Aged Care Pricing Authority</p> <p>Change Permitted Values in the Data Specifications to reflect changes in the Data Dictionary.</p> <p>Corrections to grammatical and formatting errors and inconsistencies throughout the document.</p> <p>Label updated for: -Sex recorded at birth, code - Emergency Department Information System COVID-19 Flag</p> <p>Data Type updated for: - Emergency Department Information System COVID-19 Flag</p> <p>Requirements updated for: -Unit Medical Record Number (UMRN)</p>

			<p>Permitted Values updated for:</p> <ul style="list-style-type: none"> -Departure Status -Principal Diagnosis -Visit Type <p>Comments updated for:</p> <ul style="list-style-type: none"> -Account Number -Additional Diagnosis -Additional Diagnosis System Code EDIS -Australian State or Country of Birth -Australian Postcode <p>Added data items in the Data Specifications to reflect changes in the Data Dictionary.</p> <p>Data Items added for:</p> <ul style="list-style-type: none"> -Gender, code
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