

MediRecords FHIR capability enables secure sharing of practitioner, organisation and patient data. This means clinical records, including allergies, health conditions, immunisations, vital signs, lab results, and medications, can be exchanged safely. We support industry standards for API connectivity, backed by strong security measures designed to protect your data privacy. Our APIs come with robust search tools, using criteria such as patient name and unique ID, and our user-friendly interface simplifies data exchange, promoting better patient care, fewer clinical errors, and seamless collaboration among healthcare providers and researchers.

This document compares MediRecords FHIR services (currently version 4.0.1) against the FHIR capabilities of key healthcare agencies in UK, US and Australia. We welcome opportunities to explore your business needs for FHIR data exchange.

### Who are we comparing?

### **Primary Care Data Quality Foundations (PCDQF)**

Primary Care Data Quality Foundations (PCDQF) is a CSIRO training program, funded by the Australian Department of Health, that aims to improve the quality and standardisation of data in primary care settings)

### Australian Institute of Health and Welfare (AIHW)

The Australian Institute of Health and Welfare (AIHW) is a national agency that provides reliable and relevant information and statistics on Australia's health and welfare.

### United States Core Data for Interoperability (USCDI)

The United States Core Data for Interoperability (USCDI) is a standardised set of health data classes and constituent data elements for nationwide, interoperable health information exchange. Visit USCDI standards here.

#### **FHIR AU**

FHIR AU is a resource for using FHIR R4, a standard for exchanging healthcare information. It defines custom concepts and profiles that are relevant for the Australian healthcare system, based on the core FHIR R4 specification.

### **International Patient Summary (IPS)**

The International Patient Summary (IPS) is a standard for sharing essential healthcare information about a patient across borders or locally. It is based on ISO/EN 17269 and realised by HL7.

### **Professional Record Standards Body (PRSB)**

The Professional Record Standards Body (PRSB) is a UK organisation that sets standards for health and social care records. It works with various stakeholders to ensure data quality and accessibility. Visit PRSB's API and integration catalogue <a href="here">here</a>.

### **Australian Core Data for Interoperability (AUCDI)**

The Australian Core Data for Interoperability (AUCDI) defines reusable 'data groups' for clinical information, complemented by the FHIR standard for data exchange, allowing flexible implementation tailored to specific healthcare needs in Australia.

### Comparison criteria legend

# Stage of capability R: Read Existing C: Create U: Update Roadmap (future) D: Delete W: Webhook



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
Adverse Reactions/Allergies								
Adverse reaction/Allergy risk summary								C,R,U,D,W
Diagnostic results								
Imaging examination results								R,W
Laboratory test results								R,W
Encounter								
Encounter								C,R,U,D,W
Generic								
Organisation								R
Patient								C,R,U,D,W
Provider								R
Lifestyle risk factors								
Alcohol consumption summary								
Food and nutrition summary								
Physical activity summary								
Substance use summary								
Tobacco smoking summary								
Measurements							l	
Measurements								R,W
Medications								
Medication statement								R,W
Orders								
Referrals								R,W
Outcomes								
Adverse events								
Past History								
Problem/Diagnosis summary								C,R,U,D,W
Procedure Summary								



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
Scores and scales								
Absolute cardiovascular risk assessment AU								
Alcohol Use Disorders Identification Test (AUDIT)								
Social determinants of health								
Education summary								
Living arrangement summary/Household								
Occupation summary								
Personal safety record								
Vaccinations	<del>.</del>							
Vaccination record								R,W
About me								
Also worth knowing about me								
How and when to support me								
How I communicate and how to communicate with me								
My wellness								
People who are important to me								
Please do and please don't								
What is most important to me								
Admin								
Health insurance information								
ADT								
Admission details								
Discharge details								
Future appointments								
Adverse Reactions/Allergies								
Adverse reaction/Allergy list								C,R,U,D,W
Alerts								
Alerts								



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
Biologically derived product								
Biologically derived product								
Care plan								
Care plan								
Follow-up activity								
Goal								
Requested activities								
Safety plan								
Support plan								
Communication/Knowledge transfer								
Airway note								
Antepartum summary note								
Clinical synopsis								
Emergency department note								
Maternal and social determinants of health note								
Operative note								
Postmartum summary note								
Treatment change								
Contacts								
Care team members								R,W
Personal contacts								
Professional contacts								
Diagnostic results								
Audiogram								
Diagnostic Report								R,W
ECG								
Endoscopy								
Holten monitor								



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Diagnostic results (continued)								
Myelogram								
Specimen								
Visual acuity								
Visual fields								
Documents								
Documents								R,W
Document Reference								R,W
End of life care						,		
Advance intervention decision/CPR decision +								
Anticipatory actions								
Anticipatory medicines/equipment								
Awareness of prognosis								
Estimated prognosis								
Preferred place of death								
Priorities of care								
Equipment and adaptations								
Equipment and adaptations								
Exposure to health risks								
Exposure screening								
Exposure summary								
Family history summary								
Family history summary								
Generic								
Body structure								
Exclusion								
List								
Location								R
Provenance								
Related person								



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
Genomics								
Variant information								
Health program participation								
Health program participation								
Health status assessment								
Activities of daily living (ADL/iADL)								
Apgar								
Cancer care								
Disability status								
ECOG								
Health literacy status								
Health status assessment								
Impairments								
Incontinence								
Karnofsky								
Mental/Cognitive status								
Mobility needs								
Newborn hearing screening								
PROMIS result								
PROPr Utility score								
Terminal illness status								
Two-item global physical & mental health scales								
History taking								
Goals and hopes								
Health issue/problem								
Management screening								
Medication screening								
Needs identification								
Pain severity								
Problem/Diagnosis screening								



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
History taking (cont.)								
Procedure screening								
Social context screening								
Story narrative								
Symptom/sign								
Symptom/sign screening								
Vaccination screening								
Legal								
Advance decision to refuse treatment								
Advance directive								
Child/Unborn child protection plan								
Consent for assessment								
Consent for health information sharing								
Consent relating to child								
Deprivation of liberty safeguard								
Living will								
Looked after child								
Medical power of attorney								
Mental capacity assessment								
Mental health act status								
Personal Advance care plan								
Quality of life priorities								
Safeguarding concerns								
Lifestyle risk factors								
Contraceptive summary								
Infant feeding summary								
Sexual health summary								
Measurements								
Birth weight								
Body mass index								R,W
Body weight								R,W



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
Measurements (continued)								
Head circumference								R,W
Height/length								R,W
Waist circumference								R,W
Medical Devices								
Medical device list								
Medical device summary								
Oxygen delivery service								
Medications								
Medication administration								
Medication discontinued								R,W
Medication dispense								
Medication order								R,W
Medicine								R,W
Medicine list								
Nutrition and diet								
Entered nutrition								
Oral diet								
Observations		,		1			1	
Observations								R,W
Orders								
End of life care								
Medical care/services								
Participation in research								
Participation in research								
Past history				1				
Past history								
Problem list								
Procedures and therapies list								



	PCDQF	FHIR AU Core draft	AIHW (draft)	IPS	USCDI	PRSB	AUCDI	MediRecords
Personal								
Ethnicity								
Gender								
Immigration/Refugee status								
Organ donor								
Religious affiliation/perferences								
Sex for clinical use								
Physical examination								
Intraocular pressure								
Physical exam of the mouth								
Physical examination								
Physical examination of the ear								
Physical examination of the eye								
Physical examination of both eyes								
Physical examination of the heart								
Reason for encounter								
Reason for encounter								
Reasonable adjustments								
Reasonable adjustments								
Relapse indicators								
Relapse indicators/'early warning' signs								
Risks								
Risks								
Services and care								
Services and care								
Social determinants of health								
Financial summary								
Gambling summary								
Housing summary								
Incarceration								
Outcomes								



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Social determinants of health (cont.)								
Phone insecurity								
Social summary								
Stress								
Support network summary								
Transport access summary								
Travel								
Travel event/record								
Travel plans								
Vaccinations								
Vaccination List								
Vaccination Summary								
Vaccinations								
Vital signs								
Blood pressure								R,W
Body temperature								R,W
Oxygen saturation								R,W
Pulse								R,W
Respiration								R,W
Vital signs								R,W
Women's health								
Breast feeding summary								
Expected due date								
Gestational age								
Last menstrual period								
Menstrual cycle								
Menstruation summary								
Obstetric summary								
Pregnancy status								
Pregnancy summary								