



Healthcare Provider Classification in the HI Services

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4	Final	5.04.2011	<p>Following codes were added, or code definitions were updated to enable better mapping with AHPRA:</p> <table border="1" data-bbox="646 174 1182 961"> <thead> <tr> <th>Provider Specialty code</th> <th>Provider Specialty description</th> <th></th> </tr> </thead> <tbody> <tr> <td>411216</td> <td>Oral Health therapist</td> <td>new</td> </tr> <tr> <td>252311-8</td> <td>Oral Medicine</td> <td>new</td> </tr> <tr> <td>252312-1</td> <td>Oral Surgery</td> <td>new</td> </tr> <tr> <td>252312-2</td> <td>Public Health Dentist (Community Dentist)</td> <td>new</td> </tr> <tr> <td>252312-3</td> <td>Special Needs Dentist</td> <td>new</td> </tr> <tr> <td>253917-4</td> <td>Dento-maxillofacial radiologist</td> <td>new</td> </tr> <tr> <td>253999-1</td> <td>Occupational Medicine and Environmental Specialist</td> <td>definition changed in red</td> </tr> <tr> <td>253913-4</td> <td>Maternal-fetal Medicine Specialist</td> <td>new</td> </tr> <tr> <td>253915-9</td> <td>Forensic Odontologist</td> <td>new</td> </tr> <tr> <td>253321-10</td> <td>Paediatric Gastroenterologist and hepatologist</td> <td>definition changed in red</td> </tr> <tr> <td>253321-20</td> <td>Community child health specialist</td> <td>new</td> </tr> <tr> <td>253321-21</td> <td>General paediatrics specialist</td> <td>new</td> </tr> <tr> <td>253321-22</td> <td>Paediatric emergency medicine specialist</td> <td>new</td> </tr> <tr> <td>253321-23</td> <td>Paediatric nephrologist specialist</td> <td>new</td> </tr> <tr> <td>253321-24</td> <td>Paediatric nuclear medicine specialist</td> <td>new</td> </tr> <tr> <td>253399-12</td> <td>Addiction Medicine Specialist</td> <td>new</td> </tr> </tbody> </table> <p>Dental codes reviewed by a dental professional</p> <p>Following codes were changed from 254416 hierarchy to 254415. Was a mistake.</p> <table border="1" data-bbox="646 1045 1385 1373"> <thead> <tr> <th>Wrong codes</th> <th>Code description</th> <th>Correct codes</th> </tr> </thead> <tbody> <tr> <td>254416-1</td> <td>Registered Nurse (Acute Care)</td> <td>254415-1</td> </tr> <tr> <td>254416-2</td> <td>Registered Nurse (Emergency/Trauma)</td> <td>254415-2</td> </tr> <tr> <td>254416-3</td> <td>Registered Nurse (High Dependency)</td> <td>254415-3</td> </tr> <tr> <td>254416-4</td> <td>Registered Nurse (Neonatal Intensive Care)</td> <td>254415-4</td> </tr> <tr> <td>254416-5</td> <td>Registered Nurse (Paediatric Intensive Care)</td> <td>254415-5</td> </tr> </tbody> </table> <p>As per AUSTRALIAN INSTITUTE OF MEDICAL SCIENTISTS' request, specialisation 311213-1 was added to HPI-I eligible providers (former ASCO 2115-11)</p> <p>As per AUSTRALIAN INSTITUTE OF MEDICAL SCIENTISTS' request, Medical laboratory scientists were moved from non-HPI-I eligible to HPI-I providers:</p> <table border="1" data-bbox="646 1535 1252 1906"> <thead> <tr> <th>Provider Specialty Code</th> <th>Provider Specialty Description</th> <th>Provider Specialisation Code</th> <th>Provider Specialisation Code Description</th> </tr> </thead> <tbody> <tr> <td>311213</td> <td>Medical Laboratory Technician</td> <td>311213-1</td> <td>Medical Laboratory Technical Officer</td> </tr> <tr> <td rowspan="2">234611</td> <td rowspan="2">Medical Laboratory Scientist</td> <td>234611-1</td> <td>Hospital Scientist</td> </tr> <tr> <td>234611-2</td> <td>Medical Scientific Officer</td> </tr> </tbody> </table> <p>Exercise physiologist's code needs to be corrected. It was 452112 and was changed to 234999-2</p>	Provider Specialty code	Provider Specialty description		411216	Oral Health therapist	new	252311-8	Oral Medicine	new	252312-1	Oral Surgery	new	252312-2	Public Health Dentist (Community Dentist)	new	252312-3	Special Needs Dentist	new	253917-4	Dento-maxillofacial radiologist	new	253999-1	Occupational Medicine and Environmental Specialist	definition changed in red	253913-4	Maternal-fetal Medicine Specialist	new	253915-9	Forensic Odontologist	new	253321-10	Paediatric Gastroenterologist and hepatologist	definition changed in red	253321-20	Community child health specialist	new	253321-21	General paediatrics specialist	new	253321-22	Paediatric emergency medicine specialist	new	253321-23	Paediatric nephrologist specialist	new	253321-24	Paediatric nuclear medicine specialist	new	253399-12	Addiction Medicine Specialist	new	Wrong codes	Code description	Correct codes	254416-1	Registered Nurse (Acute Care)	254415-1	254416-2	Registered Nurse (Emergency/Trauma)	254415-2	254416-3	Registered Nurse (High Dependency)	254415-3	254416-4	Registered Nurse (Neonatal Intensive Care)	254415-4	254416-5	Registered Nurse (Paediatric Intensive Care)	254415-5	Provider Specialty Code	Provider Specialty Description	Provider Specialisation Code	Provider Specialisation Code Description	311213	Medical Laboratory Technician	311213-1	Medical Laboratory Technical Officer	234611	Medical Laboratory Scientist	234611-1	Hospital Scientist	234611-2	Medical Scientific Officer	Tatiana Stebakova
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Glossary & Acronyms

Acronym	Explanation
ABS	Australian Bureau of Statistics
AHPRA	Australian Health Practitioners Regulation Agency
AIHW	Australian Institute of Health and Welfare
AMC	Australian Medical Council
ANZSIC	Australian and New Zealand Standard Industrial Classification (1292.0)
ANZSCO	Australian and New Zealand Standard Classification of Occupations, First Edition (1220.0)
ASCO	Australian Standards Classification of Occupations
AS 4846	Australian Standard 4846 – 2006 – Health Care Provider Identification
EFWG	The Establishments Framework Working Group
HERO	Health Establishment Registration On-line, NSW Healthcare Provider Directory
HPD	Healthcare Provider Directory service provided by the Healthcare Identifiers Service
HPI	Healthcare Provider Identification (General term used when addressing both healthcare provider individuals and organisations)
HPI-I	Healthcare Provider Identifier – Individuals
HPI-O	Healthcare Provider Identifier - Organisations
IHI REQSPEC	Individual Healthcare Identifier Business Requirements Specifications (a contractual document for the HI program)
IHTSDO	International Health Standards Development Organisation
ISCO	International Standard Classification of Occupations
MDA	Medical Directory of Australia
NASH	National Authentication Service for Health
NCTS	National Clinical Terminology Service

NMDS	National Minimum Data Set
NRAS	National Accreditation and Registration Scheme
PDS	Provider Directory Service, Medicare Australia
SA	Standards Australia
SNOMED CT	Systematized Nomenclature of Medicine - Clinical Terms
SADI	South Australian Divisions of General Practice Inc
HI	Healthcare Identification (unique healthcare identification initiative underpinned by legislation)

Related Documents

HI Service Concept of Operations, NEHTA, November 2009

Unique Healthcare Provider Identification Specialty/Type/Business Services Definitions and Standards, Discussion paper, Version 14 – 26/06/08

HPI Specialty Business Scenarios - Draft, Unique Healthcare Identification, v0.02, 13/03/2008.

HPI-I & HI User_Classification_final_20060825

NEHTA_HI_HPI Org Classification_final_1_20060912

NEHTA_HI DetailedBusinessRequirements_V2.05_20070820

NEHTA_HI Data Field Justification for MCA_v0.4_20071220

NEHTA Clinical Information Data Specification, v1.2, Summarised Format, 25/08/2005. NEHTA Discharge Summary Content Specifications, v1.0, 28/02/2007. NEHTA Referral Content Specifications, v1.0, 28/02/2007.

NEHTA_HI HPI Specialty Data Elements_v 05_20080506

Medicare service specification - FR HPI-O 01 318 - HPI-O Organisation Type Classification v0 10

1 Background

This paper is a current NEHTA position on classification of Healthcare Providers Individuals and Organisations. It is based on the original Unique Healthcare Provider Identification Specialty/Type/Business Services Definitions and Standards, Discussion paper, Version 14 – 26/06/08, which was a subject of extensive external review. The document was distributed to the HPI key stakeholders, out of which 27 organisations responded with 237 comments in total. In some cases the written feedback was followed up by a teleconference to ensure complete understanding of the criticism or suggestions.

Current version also includes changes to the ANZSCO and ANZSIC for 2009 release and ABS feedback on code's extensions and description changes, made by NEHTA.

2 Purpose

The primary purpose of this document is to specify data attributes for healthcare providers that represent their professional characteristics or 'specialty' related data.

These attributes include:

- Provider type
- Specialty; and
- Provider business services

In the context of the HI Service, these attributes will be used for the purpose of:

- Unique identification of Healthcare Providers (both Provider Individuals and Provider Organisations)
- Support the Healthcare Provider Directory

The proposed classification for 'specialty' related attributes is based on existing Australian standards, which were extended or changed to fully satisfy the HI Service requirements and were advised by the healthcare community during the HI HPI Specialty Data Elements discussion paper review process.

Editorial note:

This document describes only those individual providers and organisations, which are directly involved in healthcare provision. Classification of non-healthcare organisations, or healthcare support organisations (e.g. IT technical support organisation or third party software vendor organisation), which will be a part of the HI Service community and act on behalf of healthcare organisations, are specified in a separate document.

2.1 Existing Provider Classification Standards

The review of the existing Australian standards identified that existing healthcare provider classifications have evolved to support traditional reporting needs and do not adequately address the requirements of unique identification or provider directory services.

These standards either do not have complete coverage (e.g., METeOR establishments mainly classify acute care organisations) or have inaccurate representation of the occupation (e.g. ANZSIC, the ABS classification on Professional Occupations does not reflect the recent changes in accreditation within General practice).

The proposed classification also adopts the model and business services related data domain values that are currently deployed by the existing commonwealth and jurisdictional directories as a strategy for standards' harmonisation and further development.

3 Background to the HPI

The ability to accurately identify healthcare providers, healthcare organisations and individuals who are interacting with the healthcare system, is critical to the delivery of seamless healthcare.

Consistent and unique identification will significantly reduce the possibility of information being sent to the wrong provider, or being assigned to the wrong patient.

In February 2006, NEHTA received funding to commence work on the development of national Healthcare Provider Identifiers (HPI) and specifically, an HPI for individual providers (HPI-I) and an HPI for provider organisations (HPI-O).

These identifiers represent two of the three identifiers supported by the Healthcare Identification Service (HI Service) – the third being the Individual Healthcare Identifier – and will uniquely identify healthcare providers, and (where required) their business entities and workplace locations.

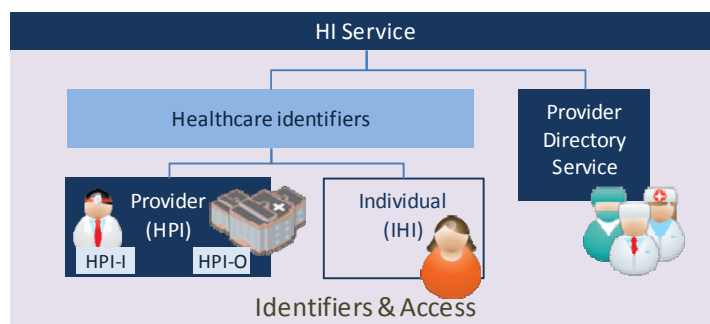


Figure 1 – The HI Service Identifiers and Provider Directory Service

This unique identification is essential for the secure exchange of patient information between authorised healthcare providers.

The HPI will use existing trusted data sources and national infrastructure where possible.

The benefits of uniquely identifying health care providers (individuals or organisations) are outlined in Australian Standard 4846 Health Care Provider Identification [AS 4846 -SA2006]:

1. Ability to confidently communicate with other health care providers for ongoing client care
2. Ability to verify information about individual providers with other data to identify or confirm their capabilities and qualifications (e.g. their specialty, registration with accredited bodies)
3. Ability to provide reliable information about services provided by individual health care providers to individual clients

4. Efficient and appropriate payments of fees, rebates etc. to providers
5. Less time wasted and inconvenience generated in searching for and/or re-gathering information
6. Less duplication of testing and prescribing.

These benefits translate to more efficient health care.

One objective of the HPI is to realise these benefits by defining data specifications that meet the needs of various business functions including:

- Referrals
- Discharge summaries
- Pathology reporting
- E-prescribing
- Identification and matching
- Provider Authentication and credentialing Provider directory services
- User management services.

4 Informational Requirements of the HPI

4.1 Overview

The intended primary purpose of the HPI is the accurate identification of healthcare providers and their respective organisations across all healthcare settings.

Accurate provider identification ensures that a healthcare individual's health information is accurately associated with the correct healthcare provider, and electronic and non-electronic communications occur between the correct providers.

The HI Services will provide a Healthcare Provider Directory (HPD) service to support information exchange for Healthcare Provider Individuals (HPI-I) and Organisations (HPI-O). Healthcare individuals or organisations (through their Organisational Maintenance Role) are able to elect whether or not to be listed in the HPD.

For healthcare provider individuals, the HPD will contain a subset of the HPI-I Record such as specialty, organisation affiliations and addressing information.

For any healthcare provider organisations, regardless of their structure and hierarchical position within complex organisations, the HPD will contain a subset of the HPI-O Record such as affiliated healthcare provider individuals, organisation services, and physical and electronic addressing details.

4.2 HI Service Business Scenarios

[Appendix A](#) provides a set of scenarios that illustrate the expected use of the HI Service specifically in terms of the HPI. These should be read in conjunction with the HI Service Concept of Operations.

4.3 Definitions

4.3.1 General

Healthcare Provider Individual

The HI business requirements define Healthcare Provider Individual as a person engaged in the direct provision of healthcare services to Healthcare Individuals [HI REQSPEC]. Following the consultation, the below definition was proposed:

- Any person who provides or is a potential provider of a health care service.

- An Individual Provider is an individual person and is not considered to be a group of providers. (ISO, Health Informatics – Provider Identification, 2008 draft.)

This definition is anticipated to be adopted in the new release of AS4846.

Healthcare Provider Individual Type

A broad classification of healthcare provider individuals engaged in the provision of healthcare services. [AS4846, ANZSCO 12200_2006].

Healthcare Provider Individual Specialty

The field that a healthcare provider individual identifies as being their field of practice i.e. the skill or knowledge in a particular area practised by that provider. [AS4846, ANZSCO 12200_2006].

For the purpose of Healthcare Provider Directory terms “Main Specialty or main Field of Practice may be used for those providers who have multiple specialisations.

Healthcare Provider Individual Specialisation

The lower level of specialty that a healthcare provider individual identifies as being their specialised field of practice i.e. the skill or knowledge in a more specific practised by that provider. [Based on AS4846].

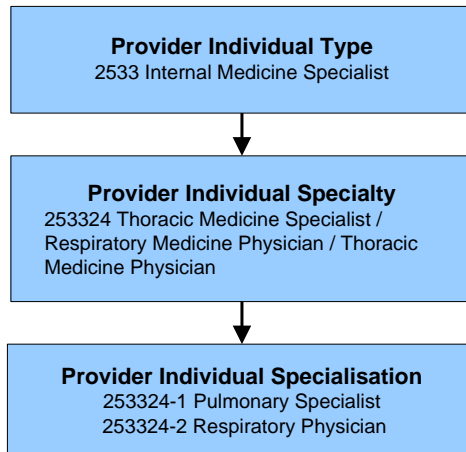


Figure 2 - Healthcare Provider Individual's Record Structure

Healthcare Provider Organisation

A Healthcare Provider Organisation is an organisation that provides healthcare services¹ to prevent or cure disease, provide care for illness, impairment, disability or handicap, or non-healthcare goods and services to support these activities. HI business requirements define a Healthcare Provider Organisation

¹ As defined in the Privacy Act 1988 (Cth)

as any organisation that is directly involved in the provision of healthcare services to Healthcare Individuals [REQSPEC].

Healthcare Provider Organisation Type

The type of organisation that provides health care goods and services to prevent or cure disease, care for illness, impairment, disability or handicap, or non-health care goods and services to support these activities [METeOR].

Healthcare Provider Organisation Service Type

Organisation services are specialities provided by Healthcare Providers in private or group practices in their own offices (e.g., centres, clinics) or in the facilities of others, such as hospitals or health maintenance type medical centres [METeOR].

Healthcare Provider Organisation Services Units

The nature of service provided by an organisational unit or organisational arrangement, which a healthcare provider organisation provides [METeOR].



Figure 3 - Healthcare Provider Organisation's Record Structure

The following sections describe the different data elements associated to the Healthcare Provider Individual such as Healthcare Provider Type, Healthcare Provider Specialty and Healthcare Provider Specialisation.

4.3.2 Healthcare Organisation

Policy

Legislation² defines a Healthcare Provider Organisation as an entity that provides healthcare services³ to healthcare individuals.

² s5 HI Bill 2010 (Cth)

³ s6(1) Privacy Act 1988 (Cth)

The legislation⁴ also addresses those entities that are excluded from use or disclosure of healthcare identifiers as those engaged in underwriting a contract of insurance for a healthcare individual, determining eligibility for insurance or employing the healthcare individual.

Eligible healthcare provider organisations can be divided into two separate hierarchical types: 'Seed' Organisations, which may be defined as the parent or head organisation, and 'Networked' Organisations, which may be defined as an organisation/s falling under the leadership or direction of a Seed Organisation.

The HI Service Operator will seek applications from eligible⁵ healthcare organisations before an organisation can participate in the HI Service. The application will require the organisation's representative (e.g. Responsible Officer) to provide evidence of identity and evidence that the organisation meets the legislative requirements. Information regarding the rights and obligations of a healthcare provider organisation under the legislation will be made available through the Service Operator. At the completion of an application form a Healthcare Provider Organisations will be issued an HPI-O number and record.

A Healthcare Provider Organisation's representative will be required to give consent to have the organisations name and business contact details displayed in the Healthcare Provider Directory.

4.4 Healthcare Providers in the Context of the HI Service

This section was developed to define the different data elements associated to the HPI Specialty and their corresponding domain values with reference to current standards.

For **Healthcare Provider Individual specialty**, the referred standard is the Australian and New Zealand Standards Classification of Occupations (ANZSCO).

For **Healthcare Provider Organisation specialty**, the referred standard is the Australian and New Zealand Standards Industrial Classification (ANZSIC).

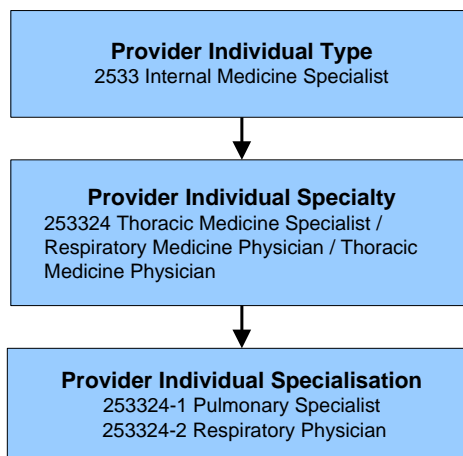
HPI-I Role is a term widely used in the health information community to specify low level permissions to access particular information that is stored in local systems within Healthcare Provider Organisation.

This is out of scope of the HI Service due to fluid nature of the Role concept and potential difficulties in maintaining and ensuring quality (accuracy and currency) of Role information on a national level.

⁴ s24(4) HI Bill 2010 (Cth)

⁵ Regulation 6 Revised Exposure Draft HI Regulations 2010 (Cth)

5 Healthcare Provider Individual - Attributes and Domain Values



5.1 HPI-I Healthcare Provider Individual Type

5.1.1 Description

A broad classification of HPI-Is engaged in the provision of healthcare services.

5.1.2 Policy

The legislation⁶ states that a healthcare provider individual may be eligible to participate in the HI Service if they are registered by a registration authority as a member of a health profession (e.g. AHPRA) or they are a member of a professional association that has uniform national membership requirements and relates to the healthcare provided by its members.

Healthcare Provider Individuals who are not registered with AHPRA will be required to make application to participate in the HI Service. On completion of an application form a Healthcare Provider Individual will be issued an HPI-I number and record.

A healthcare provider individual will be required to give consent to have her/his name, professional and business contact details displayed in the Healthcare Provider Directory.

5.1.3 Standard's reference

ANZSCO 12200_2006

⁶ HI Bill 2010 & Revised Exposure Draft HI Regulations 2010 (Cth)

5.1.4 Domain Values

HPI-I Type Code	HPI-I Healthcare Provider Type Description
2346	Medical Laboratory Scientists
2511	Dietitians
2512	Medical Imaging Professionals
2513	Occupational and Environmental Health Professionals
2514	Optometrists and Orthoptists
2515	Pharmacists
2519	Other Health Diagnostic and Promotion Professionals
2521	Chiropractors and Osteopaths
2522	Complementary Health Therapists
2523	Dental Practitioners
2524	Occupational Therapists
2525	Physiotherapists
2526	Podiatrists
2527	Speech Professionals and Audiologists
2530*	Medical Practitioner <i>(this nonspecific code was introduced as a temporary code for all types of medical practitioners, when there is no ability to specify the exactly what provider type a person belongs to. It covers doctors only)</i>
2531	Generalist Medical Practitioners
2532	Anaesthetists
2533	Specialists Physicians
2534	Psychiatrists
2535	Surgeons
2539	Other Medical Practitioners
2541	Midwives
2542	Nurse Educators and Researchers
2543	Nurse Managers
2544	Registered Nurses
2721	Counsellors
2723	Psychologists
2725	Social Workers
3112	Medical Technicians
3999	Other Miscellaneous Technicians and Trades Workers
4111	Ambulance Officers and Paramedics
4112	Dental Hygienists, Technicians and Therapists
4113	Diversional Therapists
4114	Enrolled and Mothercraft Nurses
4115	Indigenous Health Workers
4116	Massage Therapists

5.2 Non – HPI-I Healthcare Provider Types

5.2.1 Description

A group of providers that are involved in healthcare delivery, but will not qualify for HPI-I nor will this group have access to the Healthcare Provider Directory.

5.2.2 Policy

Individuals identified in this group do not satisfy all or some of the HPI-I selection criteria as defined in the legislation and outlined in Section 5.1.2 and on this basis are not considered to be healthcare providers eligible to participate in the HI Service in the same capacity as those defined under Section 5.1.

The legislation will allow access to the HI Service if the healthcare provider organisation, with whom they are employed or contracted, nominates a member of this group as requiring access to the Service as part of their duties. The healthcare organisation has an obligation to maintain current names and contact details for these nominated persons and to make this information available to the Service Operator. Only in these circumstances will some members of this group be able to access the HI Service using authorised credentials, provided through their organisation.

5.2.3 Standards Reference

ANZSCO 12200_2006

5.2.4 Domain Values

Non HPI-I Provider Code	Non-HPI-I Provider Description
1342	Health and Welfare Service Managers
2242	Archivist, Curators and Records Managers
2254	Technical Sales Representatives
2339	Other Engineering Professionals
2345	Life Scientists
2712	Judicial and Other Legal Professions nec
4231	Aged or Disabled Carer
4232	Dental Assistants
4233	Nursing Support and Personal Care Workers
4511	Beauty Therapist
4515	Personal Care Consultants
4521	Fitness Instructors
4523	Sports Coaches, Instructors and Officials
5111	Contract, Program and Project Administrators
5121	Office Managers
5122	Practice Managers
5212	Secretaries
5421	Receptionists
5999	Other Miscellaneous Clerical and Administrative Workers
6214	Pharmacy Sales Assistants
7119	Other Machine Operators

5.3 HPI-I Specialty

5.3.1 Description

The field that a healthcare provider individual identifies as being their field of practice i.e. the skill or knowledge in a particular area practised by that provider.

5.3.2 Policy

The legislation⁷ states that a healthcare provider individual may be eligible to participate in the HI Service if they are registered by a registration authority as a member of a health profession (e.g. AHPRA) or they are a member of a professional association that has uniform national membership requirements and relates to the healthcare provided by its members.

Healthcare Provider Individuals who are not registered with AHPRA will be required to make application to participate in the HI Service. On completion of an application form a Healthcare Provider Individual will be issued an HPI-I number and record.

A healthcare provider individual will be required to give consent to have her/his name, professional and business contact details displayed in the Healthcare Provider Directory.

5.3.3 Standards Reference

ANZSCO 12200_2006

5.3.4 Domain Values

HPI-I Type	HPI-I Type Description	HPI-I Specialty Code	HPI-I Healthcare Provider Specialty Description
2511	Dietitians	251111	Dietitian/Nutritionist
2512	Medical Imaging Professionals	251211	Medical Diagnostic Radiographer / Medical Imaging Technologist
		251212	Medical Radiation Therapist
		251213	Nuclear Medicine Technologist
		251214	Sonographer (also known as Ultrasonographer)
2513	Occupational and Environmental Health Professionals	251311	Environmental Health Officer
		251312	Occupational Health and Safety Adviser / Occupational Health and Safety Coordinator / Occupational Health and Safety Officer
2514	Optometrists and Orthoptists	251411	Optometrist
		251412	Orthoptist
2515	Pharmacists	251511	Hospital Pharmacist
		251512	Industrial Pharmacist

⁷ HI Bill 2010 & Revised Exposure Draft HI Regulations 2010 (Cth)

		251513	Retail Pharmacist / Community Pharmacist
2519	Other Health Diagnostic and Promotion Professionals	251911	Health Promotion Officer / Community Health Worker/Health Educator
		251912	Orthotist or Prosthetist
		251999	Health Diagnostic and Promotion Professionals nec (not elsewhere classified)
2521	Chiropractors and Osteopaths	252111	Chiropractor
		252112	Osteopath
2522	Complementary Health Therapists	252211	Acupuncturist
		252212	Homoeopath
		252213	Naturopath
		252214	Traditional Chinese Medicine Practitioner / Chinese Medicine Practitioner/Oriental Medicine Practitioner
		252299	Complementary Health Therapists nec
2523	Dental Practitioners	252311	Dental Specialist
		252312	Dentist / Dental Practitioner / Dental Surgeon
2524	Occupational Therapists	252411	Occupational Therapist
2525	Physiotherapists	252511	Physiotherapist / Physical Therapist
2526	Podiatrists	252611	Podiatrist
2527	Speech Professionals and Audiologists	252711	Audiologist
		252712	Speech Pathologist (Aus) / Speech Language Therapist (NZ)/Speech Therapist
2531	Generalist Medical Practitioners	253111	General Medical Practitioner / General Practitioner
		253112	Resident Medical Officer
2532	Anaesthetists	253211	Anaesthetist
2533	Specialists Physicians	253311	Specialist Physician (General Medicine)
		253312	Cardiologist
		253313	Clinical Haematologist
		253314	Medical Oncologist
		253315	Endocrinologist
		253316	Gastroenterologist
		253317	Intensive Care Specialist
		253318	Neurologist
		253321	Paediatrician
		253322	Renal Medicine Specialist / Nephrologist / Renal Medicine Physician
		253323	Rheumatologist
		253324	Thoracic Medicine Specialist
253399	Specialist Physicians nec (not elsewhere classified)		
2534	Psychiatrists	253411	Psychiatrist
2535	Surgeons	253511	Surgeon (General)
		253512	Cardiothoracic Surgeon
		253513	Neurosurgeon
		253514	Orthopaedic Surgeon
		253515	Otorhinolaryngologist / Ear, Nose and Throat Specialist / Head and Neck Surgeon

		253516	Paediatric Surgeon
		253517	Plastic and Reconstructive Surgeon
		253518	Urologist
		253521	Vascular Surgeon
2539	Other Medical Practitioners	253911	Dermatologist
		253912	Emergency Medicine Specialist / Emergency Physician
		253913	Obstetrician and Gynaecologist
		253914	Ophthalmologist / Eye Specialist / Eye Surgeon
		253915	Pathologist
		253917	Diagnostic and Interventional Radiologist
		253918	Radiological Oncologist
		253999	Medical Practitioners nec (not elsewhere classified)
2541	Midwives	254111	Midwife/Certified Midwife/Registered Midwife
2542	Nurse Educators and Researchers	254211	Nurse Educator / Clinical Nurse Educator / Staff Development Nurse
		254212	Nurse Researcher
2543	Nurse Managers	254311	Nurse Manager / Charge Nurse / Nurse Supervisor / Nurse Unit Manager
2544	Registered Nurses	254411	Nurse Practitioner
		254412	Registered Nurse (Aged Care)
		254413	Registered Nurse (Child and Family Health)
		254414	Registered Nurse (Community Health)
		254415	Registered Nurse (Critical Care and Emergency)
		254416	Registered Nurse (Developmental Disability) / Mental Retardation Nurse
		254417	Registered Nurse (Disability and Rehabilitation)
		254418	Registered Nurse (Medical)
		254421	Registered Nurse (Medical Practice) / Practice Nurse / Primary Health Care Nurse (NZ)
		254422	Registered Nurse (Mental Health) / Psychiatric Nurse
		254423	Registered Nurse (Perioperative) / Operating Room Nurse
		254424	Registered Nurse (Surgical)
		254499	Registered Nurses nec (not elsewhere classified)
2721	Counsellors	272112	Drug and Alcohol Counsellor
		272114	Rehabilitation Counsellor
		272199	Counsellors nec
2723	Psychologists	272311	Clinical Psychologist
		272312	Educational Psychologist
		272313	Organisational Psychologist
		272314	Psychotherapist
		272399	Psychologist nec
2725	Social Workers	272511	Social Worker
3112	Medical Technicians	311211	Anaesthetic Technician
		311212	Cardiac Technician
		311213	Medical Laboratory Technician
		311214	Operating Theatre Technician
		311215	Pharmacy Technician/Dispensary

			Technician
		311216	Pathology collector (Aus) or Phlebotomist (NZ)
		311299	Medical Technicians nec
3999	Other Miscellaneous Technicians and Trades Workers	399913	Optical Dispenser (Aus) / Dispensing Optician (NZ)
		399914	Optical Mechanic
4111	Ambulance Officers and Paramedics	411111	Ambulance Officer
		411112	Intensive Care Ambulance Paramedic (Aus) / Ambulance Paramedic (NZ)
4112	Dental Hygienists, Technicians and Therapists	411211	Dental Hygienist
		411212	Dental Prosthetist
		411213	Dental Technician
		411214	Dental Therapist
		411215	Dental Laboratory Assistant
		411216*	Oral Health therapist (added to align with AHPRA taxonomy)
4113	Diversional Therapists	411311	Diversional Therapist
4114	Enrolled and Mothercraft Nurses	411411	Enrolled Nurse
		411412	Mothercraft Nurse
4115	Indigenous Health Workers	411511	Aboriginal and Torres Strait Islander Health Worker
4116	Massage Therapists	411611	Massage Therapist

5.3.5 Non – HPI-I Healthcare Provider Specialties

5.3.6 Description

A group of providers that are involved in healthcare delivery, but will not qualify for HPI-I and excluded from the Healthcare Provider Directory

5.3.7 Policy

Providers in this category will be able to access the HI Service, if there is a business need, by using suitable credentials, provided through their healthcare provider organisation.

The legislation will allow access to the HI Service if the healthcare provider organisation, with whom they are employed or contracted, nominates a member of this group as requiring access to the Service as part of their duties. The healthcare organisation has an obligation to maintain current names and contact details for these nominated persons and to make this information available to the Service Operator. Only in these circumstances will some members of this group be able to access the HI Service using authorised credentials, provided through their organisation.

In addition, some members of this group will have already been assigned a HPI-I as a result of their registration and accreditation through AHPRA or their

membership with an eligible professional association⁸ and application to the Service Operator.

5.3.8 Standards Reference

ANZSCO 12200_2006

5.3.9 Domain Values

Non-HPI-I Provider Type	Non-HPI-I Provider Type Description	Non HPI-I Provider Specialty Code	Non-HPI-I Provider Specialty Description
1342	Health and Welfare Service Managers	134211	Medical Administrator (Aus) / Medical Superintendent (NZ)/Medical Manager
		134212	Nursing Clinical Director/Director of Nursing/Senior Nurse Manager
		134213	Primary Health Organisation Manager
		134214	Welfare Centre Manager
		134299	Health and Welfare Services Managers nec
2242	Archivist, Curators and Records Managers	224213	Health Information Manager / Medical Records Administrator
		224214	Records Manager
2254	Technical Sales Representatives	225412	Sales Representative (Medical and Pharmaceutical Products)
2339	Other Engineering Professionals	233913	Biomedical Engineer
2345	Life Scientists	234512	Anatomist or Physiologist
		234599	Life Scientists nec
2346	Medical Laboratory Scientists	234611	Medical Laboratory Scientist
2349	Other Natural and Physical Science Professionals	234999	Natural and Physical Science professionals nec
2712	Judicial and Other Legal Professions nec	271299	Judicial and Other Legal Professions nec
4231	Aged or Disabled Carer	423111	Aged or Disabled Carer
4232	Dental Assistants	423211	Dental Assistant
4233	Nursing Support and Personal Care Workers	423311	Hospital Orderly
		423312	Nursing Support Worker
		423313	Personal Care Assistant
		423314	Therapy Aide
4511	Beauty Therapist	451111	Beauty Therapist
4515	Personal Care Consultants	451511	Natural Remedy Consultant
		451512	Weight Loss Consultant
4521	Fitness Instructors	452111	Fitness Instructor
4523	Sports Coaches,	452311	Diving Instructor (Open

⁸ regulation 5 Revised Exposure Draft HI regulations 2010 (Cth)

	Instructors and Officials		Water)
5111	Contract, Program and Project Administrators	511111	Contract Administrator
		511112	Program or Project Administrator
5121	Office Managers	512111	Office Manager
5122	Practice Managers	512211	Health Practice Manager
		512299	Practice Managers nec
5212	Secretaries	452312	Gymnastics Coach or Instructor
		452313	Horse Riding Coach or Instructor
		452314	Snowsport Instructor
		452315	Swimming Coach or Instructor
		452316	Tennis Coach
		452317	Other Sports Coach or Instructor
		452321	Sports Development Officer
		452322	Sports Umpire
		521211	Secretary (General)
		521312	Legal Secretary
5421	Receptionists	542111	Receptionist (General)
		542112	Admissions Clerk
		542113	Hotel or Motel Receptionist
		542114	Medical Receptionist
5999	Other Miscellaneous Clerical and Administrative Workers	561311	Filing or Registry Clerk
		599915	Clinical Coder
		599999	Clerical and Administrative Workers nec.
6214	Pharmacy Sales Assistants	621411	Pharmacy Sales Assistant
7119	Other Machine Operators	711914	Sterilisation Technician

5.4 HPI-I Healthcare Provider Individual Specialisation

5.4.1 Description

More precise level of specialty that a healthcare provider individual identifies as being their specialised field of practice i.e. the skill or knowledge in a more specific specialty practised by that provider.

5.4.2 Policy

Providers on this list may already be assigned a HPI-I and may be published in the Healthcare Provider Directory.

Lower level of granularity for specialty will enable better search for the service in the Provider Directory.

5.4.3 Standards Reference

ANZSCO 12200_2006

All codes are extensions of the existing codes. The code descriptions are taken from ANZSCO, where they are presented as a list of values or as bullet points and do not have numbering.

5.4.4 Domain Values

HPI-I Healthcare Provider Specialty Code	HPI-I Healthcare Provider Specialty Description	HPI-I Healthcare Provider Specialisation Code	HPI-I Healthcare Provider Specialisation Code
234611	Medical Laboratory Scientist	234611-1	Hospital Scientist
		234611-2	Medical Scientific Officer
251111	Dietitian/Nutritionist	N/A	N/A
251211	Medical Diagnostic Radiographer / Medical Imaging Technologist	251211-1	Magnetic Resonance Technologist
251212	Medical Radiation Therapist	N/A	N/A
251213	Nuclear Medicine Technologist	N/A	N/A
251214	Sonographer (also known as Ultrasonographer)	251214-1	Obstetric and Gynaecological Ultrasound Specialist
251311	Environmental Health Officer	251311-1	Food Safety Auditor
		251311-2	Food Safety Office
251312	Occupational Health and Safety Adviser / Occupational Health and Safety Coordinator / Occupational Health and Safety Officer	251312-1	Occupational Hygienist
		251312-2	Workplace Rehabilitation Officer
251411	Optometrist	N/A	N/A
251412	Orthoptist	N/A	N/A
251511	Hospital Pharmacist	251511-1	Pharmaceutical Officer (Army)
251512	Industrial Pharmacist	N/A	N/A
251513	Retail Pharmacist / Community Pharmacist	251513-1	Retail Pharmacist / Community Pharmacist
		251513-2	Consultant Pharmacist
251911	Health Promotion Officer / Community Health Worker/Health Educator	251911-1	Asthma Educator
		251911-2	Childbirth Educator
		251911-3	Diabetes Educator
251912	Orthotist or Prosthetist	N/A	N/A
251999	Health Diagnostic and Promotion Professionals nec (not elsewhere classified)	N/A	N/A
252111	Chiropractor	N/A	N/A
252112	Osteopath	N/A	N/A
252211	Acupuncturist	N/A	N/A

252212	Homoeopath	N/A	N/A
252213	Naturopath	N/A	N/A
252214	Traditional Chinese Medicine Practitioner / Chinese Medicine Practitioner/Oriental Medicine Practitioner	252214-1	Chinese Herbalist
252299	Complementary Health Therapists nec	N/A	N/A
252311	Dental Specialist	252311-1	Endodontist
		252311-2	Oral and Maxillofacial Surgeon
		252311-3	Oral Pathologist
		252311-4	Orthodontist
		252311-5	Paedodontist
		252311-6	Periodontist
		252311-7	Prosthodontist
		252311-8*	Oral Medicine (added to align with AHPRA taxonomy)
252312	Dentist / Dental Practitioner / Dental Surgeon	252312-1*	Oral Surgery (added to align with AHPRA taxonomy)
		252312-2*	Public Health Dentist (Community Dentist) (added to align with AHPRA taxonomy)
		252312-3*	Special Needs Dentist (added to align with AHPRA taxonomy)
252411	Occupational Therapist	N/A	N/A
252511	Physiotherapist / Physical Therapist	252511-1	Aquatic Physiotherapist
		252511-2	Cardiothoracic Physiotherapist
		252511-3	Continece and Women's Health Physiotherapist
		252511-4	Gerontological Physiotherapist
		252511-5	Mairy Physiotherapist (NZ)
		252511-6	Musculoskeletal Physiotherapist
		252511-7	Neurological Physiotherapist
		252511-8	Occupational Health Physiotherapist
		252511-9	Paediatric Physiotherapist
		252511-10	Sports Physiotherapist
252611	Podiatrist	252611-1	Podiatric Surgeon
252711	Audiologist	N/A	N/A
252712	Speech Pathologist (Aus) / Speech Language Therapist (NZ)/Speech Therapist	N/A	N/A
253111	General Medical Practitioner / General Practitioner	253111-1	Specialist General Practitioner, (includes Navy Medical Officer)

		253111-2	General Practitioner with Sub-specialisation in Women's Health and Obstetrics
		253111-3	General Practitioner with sub-specialisation in Anaesthetics
		253111-4	Proceduralist General Practitioner
		253111-5	General Practitioner with Sub-specialisation in Surgery
		253111-6	General Practitioner with Sub-specialisation in Skin cancer
253112	Resident Medical Officer	253112-1	PGY1: Medical Practitioner in the first full-time postgraduate year (Intern)
		253112-2	PGY2: Medical Practitioner in the second full-time postgraduate year but not in a registrar position (first year Resident or House Officer)
		253112-3	PGY3: Medical Practitioner in the third full-time postgraduate year but not in a registrar position (typically called a Senior Resident or Senior House Officer)
		253112-4	PGY4+: Medical Practitioner in the fourth or subsequent full-time postgraduate year and still in training, nec (not elsewhere classified)
		253112-5	Basic Trainee / Non-accredited Registrar
		253112-6	Registrar in an accredited GP training program
		253112-7	Registrar in a accredited Advanced specialty training program
		253112-8	Fellow (at or near the completion of an Advanced specialty training program)
		253112-9	Career Medical Officer / Senior Medical Officer nec (not elsewhere classified)

253211	Anaesthetist	253211-1	Intensive Care Anaesthetist
		253211-2	Obstetric Anaesthetist
		253211-3	Pain Management Specialist
		253211-4	Paediatric Anaesthetist
253311	Specialist Physician (General Medicine)	253311-1	Specialist Physician (General Medicine)
		253311-2	Specialist Rural Physician
253312	Cardiologist	N/A	N/A
253313	Clinical Haematologist	N/A	N/A
253314	Medical Oncologist	N/A	N/A
253315	Endocrinologist	253315-1	Diabetologist
253316	Gastroenterologist	N/A	N/A
253317	Intensive Care Specialist	N/A	N/A
253318	Neurologist	N/A	N/A
253321	Paediatrician	253321-1	Neonatologist
		253321-2	Paediatric Addiction Medicine Specialist
		253321-3	Paediatric Cardiologist
		253321-4	Paediatric Clinical Geneticist
		253321-5	Paediatric Clinical Pharmacologist / Paediatric Clinical Toxicologist
		253321-6	Paediatric Endocrinologist
		253321-7	Paediatric Haematologist
		253321-8	Paediatric Immunologist / Allergy Specialist
		253321-9	Paediatric Infectious Diseases Physician
		253321-10**	Paediatric Gastroenterologist and Hepatologist (and Hepatologist added to the ANZSCO definition to align with AHPRA taxonomy)
		253321-11	Paediatric Intensive Care Specialist
		253321-12	Paediatric Medical Oncologist
		253321-13	Paediatric Neurologist
		253321-14	Paediatric Palliative Care Specialist
		253321-15	Paediatric Rehabilitation Specialist
		253321-16	Paediatric Renal Medicine Specialist / Nephrologist
		253321-17	Paediatric Rheumatologist
		253321-18	Paediatric Sexual Health Specialist

		253321-19	Paediatric Thoracic Medicine Specialist / Respiratory Specialist / Sleep Specialist
		253321-20*	Community child health specialist (added to align with AHPRA taxonomy)
		253321-21*	General paediatrics specialist (added to align with AHPRA taxonomy)
		253321-22*	Paediatric emergency medicine specialist (added to align with AHPRA taxonomy)
		253321-23*	Paediatric nephrologist specialist (added to align with AHPRA taxonomy)
		253321-24*	Paediatric nuclear medicine specialist (added to align with AHPRA taxonomy)
253322	Renal Medicine Specialist / Nephrologist / Renal Medicine Physician	N/A	N/A
253323	Rheumatologist	N/A	N/A
253324	Thoracic Medicine Specialist	253324-1	Respiratory Medicine Physician
		253324-2	Thoracic Medicine Physician
253399	Specialist Physicians nec (not elsewhere classified)	253399-1	Clinical Allergist
		253399-2	Clinical Geneticist
		253399-3	Clinical Immunologist
		253399-4	Clinical Pharmacologist
		253399-5	Geriatrician
		253399-6	Industrial Medicine Specialist
		253399-7	Infectious Diseases Specialist
		253399-8	Palliative Medicine Specialist
		253399-9	Rehabilitation Medicine Physician (Aus) / Musculoskeletal Specialist (NZ)
		253399-10	Sexual Health Physician
		253399-11	Sleep Medicine Specialist
		253399-12*	Addiction Medicine Specialist (added to align with AHPRA taxonomy)
253411	Psychiatrist	253411-1	Adolescent Psychiatrist
		253411-2	Child and Adolescent Psychiatrist

		253411-3	Child Psychiatrist
		253411-4	Forensic Psychiatrist
		253411-5	Geriatric Psychiatrist
		253411-6	Medical Psychotherapist
253511	Surgeon (General)	253511-1	Breast Surgeon
		253511-2	Transplant Surgeon
		253511-3	Upper Gastrointestinal Surgeon / Hepato-Pancreato-Biliary Surgeon
		253511-4	Colorectal Surgeon
		253511-5	Endocrine Surgeon
		253511-6	Surgical Oncologist
253512	Cardiothoracic Surgeon	N/A	N/A
253513	Neurosurgeon	N/A	N/A
253514	Orthopaedic Surgeon	N/A	N/A
253515	Otorhinolaryngologist / Ear, Nose and Throat Specialist / Head and Neck Surgeon	253515-1	Laryngologist
		253515-2	Otologist
		253515-3	Rhinologist
253516	Paediatric Surgeon	N/A	N/A
253517	Plastic and Reconstructive Surgeon	N/A	N/A
253518	Urologist	N/A	N/A
253521	Vascular Surgeon	N/A	N/A
253911	Dermatologist	N/A	N/A
253912	Emergency Medicine Specialist / Emergency Physician	N/A	N/A
253913	Obstetrician and Gynaecologist	253913-1	Gynaecological Oncologist
		253913-2	Reproductive Endocrinologist / Infertility Specialist
		253913-3	Urogynaecologist
		253913-4*	Maternal-fetal Medicine Specialist (added to align with AHPRA taxonomy)
253914	Ophthalmologist / Eye Specialist / Eye Surgeon	N/A	N/A
253915	Pathologist	253915-1	Clinical Cytopathologist
		253915-2	Forensic Pathologist
		253915-3	General Anatomic Pathologist
		253915-4	Chemical Pathologist
		253915-5	Clinical Cytogeneticist
		253915-6	Molecular Geneticist
		253915-7	Immunopathologist
		253915-8	Medical Microbiologist
		253915-9*	Forensic Odontologist (added to align with AHPRA taxonomy)
253917	Diagnostic and Interventional Radiologist	253917-1	Diagnostic Radiologist
		253917-2	Medical Imaging Specialist

		253917-3	Nuclear Medicine Specialist
		253917-4	Dento-maxillofacial radiologist
253918	Radiologation Oncologist	253918-1	Radiation Oncologist
253999	Medical Practitioners nec (not elsewhere classified)	253999-1	Occupational Medicine and Environmental Specialist (and Environmental added to the ANZSCO definition to align with AHPRA taxonomy)
		253999-2	Public Health Physician
		253999-3	Sports Physician
254111	Midwife/Certified Midwife/Registered Midwife	254111-1	Community Midwife
		254111-2	Midwife Practitioner
254211	Nurse Educator / Clinical Nurse Educator / Staff Development Nurse	N/A	N/A
254212	Nurse Researcher	254412-1	Registered Nurse (Gerontology)
254311	Nurse Manager / Charge Nurse / Nurse Supervisor / Nurse Unit Manager	N/A	N/A
254411	Nurse Practitioner	N/A	N/A
254412	Registered Nurse (Aged Care)	N/A	N/A
254413	Registered Nurse (Child and Family Health)	N/A	N/A
254414	Registered Nurse (Community Health)	254414-1	Registered Nurse (Health Education and Promotion)
		254414-2	Registered Nurse (Public Health)
		254414-3	Registered Nurse (School Nurse)
254415	Registered Nurse (Critical Care and Emergency)	254415-1	Registered Nurse (Acute Care)
		254415-2	Registered Nurse (Emergency/Trauma)
		254415-3	Registered Nurse (High Dependency)
		254415-4	Registered Nurse (Neonatal Intensive Care)
		254415-5	Registered Nurse (Paediatric Intensive Care)
254416	Registered Nurse (Developmental Disability) / Mental Retardation Nurse	254416-1	Mental Retardation Nurse
254417	Registered Nurse (Disability and Rehabilitation)	254417-1	Registered Nurse (Rehabilitation)
254418	Registered Nurse (Medical)	N/A	N/A
254421	Registered Nurse (Medical Practice) / Practice Nurse / Primary Health Care Nurse (NZ)	N/A	N/A

254422	Registered Nurse (Mental Health) / Psychiatric Nurse	254422-1	Registered Nurse (Child and Adolescence Mental Health)
		254422-2	Registered Nurse (Drug and Alcohol)
		254423-1	Registered Nurse (Anaesthetic)
		254423-2	Registered Nurse (Operating Room)
254423	Registered Nurse (Perioperative) / Operating Room Nurse	254422-3	Registered Nurse (Psychiatric Rehabilitation)
		254422-4	Registered Nurse (Psychogeriatric Care)
		254423-3	Registered Nurse (Recovery)
254424	Registered Nurse (Surgical)	N/A	N/A
254499	Registered Nurses nec (not elsewhere classified)	254499-1	Nursing Officer (Defence Forces)
		254499-2	Registered Nurse (Infection Control)
		254499-3	Registered Nurse (Paediatrics)
		254499-4	Registered Nurse (Remote or Rural Area)
272112	Drug and Alcohol Counsellor	N/A	N/A
272114	Rehabilitation Counsellor	N/A	N/A
272199	Counsellors nec	N/A	N/A
272311	Clinical Psychologist	272311 -1	Forensic Psychologist
		272311 -2	Health Psychologist
		272311 -3	Neuropsychologist
272312	Educational Psychologist	N/A	N/A
272313	Organisational Psychologist	N/A	N/A
272314	Psychotherapist	N/A	N/A
272399	Psychologist nec	N/A	N/A
272511	Social Worker	N/A	N/A
311211	Anaesthetic Technician	N/A	N/A
311212	Cardiac Technician	N/A	N/A
311213	Medical Laboratory Technician	311213-1	Medical Laboratory Technician Officer
311214	Operating Theatre Technician	N/A	N/A
311215	Pharmacy Technician/Dispensary Technician	N/A	N/A
311216	Pathology collector (Aus) or Phlebotomist (NZ)	N/A	N/A
311299	Medical Technicians nec	N/A	N/A
399913	Optical Dispenser (Aus) / Dispensing Optician (NZ)	N/A	N/A
399914	Optical Mechanic	N/A	N/A
411111	Ambulance Officer	N/A	N/A
411112	Intensive Care Ambulance Paramedic (Aus) / Ambulance Paramedic (NZ)	N/A	N/A
411211	Dental Hygienist	N/A	N/A

411212	Dental Prosthetist	N/A	N/A
411213	Dental Technician	N/A	N/A
411214	Dental Therapist	N/A	N/A
411215	Dental Laboratory Assistant	N/A	N/A
411311	Diversional Therapist	N/A	N/A
411411	Enrolled Nurse	N/A	N/A
411412	Mothercraft Nurse	N/A	N/A
411511	Aboriginal and Torres Strait Islander Health Worker	N/A	N/A
411611	Massage Therapist	N/A	N/A

5.4.5 Non - HPI-I Healthcare Provider Specialisations

5.4.6 Description

A group of providers that are involved in healthcare delivery, but will not qualify for HPI-I and are excluded from the Healthcare Provider Directory.

5.4.7 Policy

Providers in this category will be able to access the HI service where there is a business need by using suitable credentials provided through their healthcare provider organisation.

The legislation will allow access to the HI Service if the healthcare provider organisation, with whom they are employed or contracted, nominates a member of this group as requiring access to the Service as part of their duties. The healthcare organisation has an obligation to maintain current names and contact details for these nominated persons and to make this information available to the Service Operator. Only in these circumstances will some members of this group be able to access the HI Service using authorised credentials, provided through their organisation.

In addition, some members of this group will have already been assigned a HPI-I as a result of their registration and accreditation through AHPRA or their membership with an eligible professional association⁹ and application to the Service Operator.

5.4.8 Standards Reference

ANZSCO 12200_2006

⁹ regulation 5 Revised Exposure Draft HI regulations 2010 (Cth)

5.4.9 Domain Values

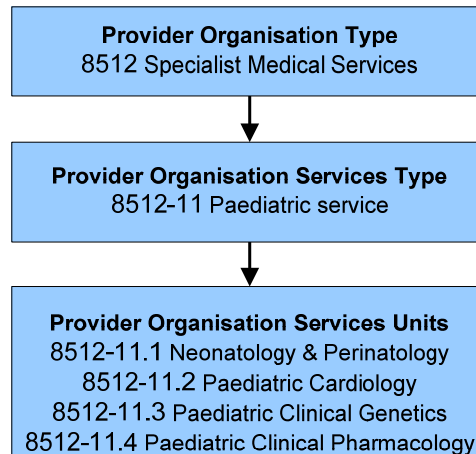
Non- HPI-I Healthcare Provider Specialty Code	Non- HPI-I Healthcare Provider Specialty Description	Non- HPI-I Healthcare Provider Specialisation Code	Non- HPI-I Healthcare Provider Specialisation Code
134211	Medical Administrator (Aus) / Medical Superintendent (NZ)/Medical Manager	134211-1	Director of Clinical Services
		134211-2	Director of Medical Services
134212	Nursing Clinical Director/Director of Nursing/Senior Nurse Manager	134212-1	Assistant Director of Nursing
		134212-2	Deputy Director of Nursing
		134212-3	Executive Director of Nursing
134213	Primary Health Organisation Manager	N/A	N/A
134214	Welfare Centre Manager	N/A	N/A
134299	Health and Welfare Services Managers nec	134299-1	Director of Pharmacy
		134299-2	Director of Physiotherapy Services
		134299-3	Director of Speech Pathology
		134299-4	Manager of Allied Health Services
		134299-5	Medical Corps Officer (Army)
224213	Health Information Manager / Medical Records Administrator	224213-1	Casemix Coordinator
		224213-2	Clinical Trial Data Manager
		224213-3	Health Informaticians – (new code, added as per stakeholder's feedback)
		224213-4	Health Data Administrator
224214	Records Manager	N/A	N/A
225412	Sales Representative (Medical and Pharmaceutical Products)	225412-1	Medical Representatives
233913	Biomedical Engineer	223913-2	Clinical Engineer
		223913-3	Medical Engineer
		233913-1	Bioengineer
234512	Anatomist or Physiologist	234512-1	Embryologist
		234512-2	Neuroanatomist
234599	Life Scientists nec	234599-1	Parasitologist
		234599-2	Pharmacologist (non-clinical)
		234599-3	Toxicologist
234999	Natural and Physical Science professionals nec	234999-2	Exercise Physiologists

271299	Judicial and Other Legal Professions nec	271299-1	Family Mediator/Family and Marriage Counsellor
423111	Aged or Disabled Carer	423111-1	Home Support Worker
		423111-2	Personal Carer
		423111-3	Personal Care Worker
		423111-4	Aged or Disabled Carer Worker
423211	Dental Assistant	423211-1	Dental Chairside Assistant
		423211-2	Dental Nurse
423311	Hospital Orderly	N/A	N/A
423312	Nursing Support Worker	N/A	N/A
423313	Personal Care Assistant	N/A	N/A
423314	Therapy Aide	N/A	N/A
451111	Beauty Therapist	451111-1	Electrologist (Hair Remover)
		451111-2	Manicurist
		451111-3	Nail Technician
451511	Natural Remedy Consultant	451511-1	Natural Remedy Consultant
451512	Weight Loss Consultant	N/A	N/A
452111	Fitness Instructor	452111-1	Aerobics Instructor
		452111-2	Gym Instructor
		452111-3	Physical Fitness Trainer
452311	Diving Instructor (Open Water)	452311-1	Diving Instructor (Open Water)
452312	Gymnastics Coach or Instructor	N/A	N/A
452313	Horse Riding Coach or Instructor	N/A	N/A
452314	Snowsport Instructor	N/A	N/A
452315	Swimming Coach or Instructor	N/A	N/A
452316	Tennis Coach	N/A	N/A
452317	Other Sports Coach or Instructor	N/A	N/A
452318	Dog or Horse Racing Official	N/A	N/A
452321	Sports Development Officer	N/A	N/A
452322	Sports Umpire	N/A	N/A
511111	Contract Administrator	N/A	N/A
511112	Program or Project Administrator	N/A	N/A
512111	Office Manager	N/A	N/A
512211	Health Practice Manager	512211-1	Chiropractic Practice Manager
		512211-2	Dental Practice Manager
		512211-3	Medical Practice Manager
		512211-4	Physiotherapy Practice Manager
512299	Practice Managers nec	512299-1	Accounting Practice Manager

		512299-2	Architectural Practice Manager
		512299-3	Legal Practice Manager
		512299-4	Veterinary Practice Manager
521211	Secretary (General)	N/A	N/A
521312	Legal Secretary	N/A	N/A
542111	Receptionist (General)	N/A	N/A
542112	Admissions Clerk	N/A	N/A
542113	Hotel or Motel Receptionist	N/A	N/A
542114	Medical Receptionist	N/A	N/A
561311	Filing or Registry Clerk	N/A	N/A
599915	Clinical Coder	N/A	N/A
599999	Clerical and Administrative Workers nec.	599999-1	Medical Record Clerk
621411	Pharmacy Sales Assistant	N/A	N/A
711914	Sterilisation Technician	N/A	N/A

6 Healthcare Provider Organisations - Attributes and Domain Values

The following sections describe the different data elements associated to the Healthcare Provider Organisation specialty.



6.1 Healthcare Provider Organisation Type

6.1.1 Definition

The type of organisation that provides health care goods and services to prevent or cure disease, care for illness, impairment, disability or handicap, or non-health care goods and services to support these activities.

6.1.2 Policy

Healthcare Provider Organisations can be an entity or establishment that is directly involved in providing health related services for Healthcare Individuals (e.g. hospitals, GP Practices).

Legislation¹⁰ defines a Healthcare Provider Organisation as an entity that provides healthcare services¹¹ to healthcare individuals.

Eligible healthcare provider organisations can be divided into two separate hierarchical types: 'Seed' Organisations, which may be defined as the parent or head organisation, and 'Networked' Organisations, which may be defined

¹⁰ s5 HI Bill 2010 (Cth)

¹¹ s6(1) Privacy Act 1988 (Cth)

as an organisation/s falling under the leadership or direction of a Seed Organisation.

The HI Service Operator will seek applications from eligible¹² healthcare organisations before an organisation can participate in the HI Service. The application will require the organisation's representative (e.g. Responsible Officer) to provide evidence of identity and evidence that the organisation meets the legislative requirements. Information regarding the rights and obligations of a healthcare provider organisation under the legislation will be made available through the Service Operator. At the completion of an application form a Healthcare Provider Organisations will be issued an HPI-O number and record.

A Healthcare Provider Organisation's representative will be required to give consent to have the organisations name and business contact details displayed in the Healthcare Provider Directory.

6.1.3 Standards Reference

ANZSIC_12920_2006, METeOR

6.1.4 Domain Values

Healthcare Organisation Provider Type Code	Healthcare Org. Provider Type Description
4271	Retail Pharmacy
6999	Other Professional, Scientific and Technical Services n.e.c.
7511	Central Government Healthcare Administration
7521	State Government Healthcare Administration
7531	Local Government Healthcare Administration
7561	General Health Administration
7562	Provision and administration of public health program
8401	Hospitals (except Psychiatric Hospitals)
8402	Mental Health Hospitals
8511	General Practice
8512	Specialist Medical Services
8520	Pathology and Diagnostic Imaging Services
8531	Dental Services
8532	Optometry and Optical Dispensing
8533	Physiotherapy Services
8534	Chiropractic and Osteopathic Services
8539	Other Allied Health Services
8591	Ambulance Services
8599	Other Healthcare Services nec
8601	Aged Care Residential Services
8609	Other Residential Care Services
8790	Other Social Assistance Services

¹² Regulation 6 Revised Exposure Draft HI Regulations 2010 (Cth)

6.1.5 Exclusions

The legislation¹³ underpinning the HI Service addresses those entities that are excluded from use or disclosure of healthcare identifiers as those engaged in underwriting a contract of insurance for a healthcare individual, determining eligibility for insurance or employing the healthcare individual.

The following organisation types are excluded from the Healthcare Provider Organisation group and will not be eligible to be allocated an HPI-O:

- Universities
- Other Secondary/non-Health Care Services Organisations
- Call Centres
- Jurisdictional Provider Directories
- Provider Local Indexes
- Private Health Insurance Organisations

For this reason, these organisations are classified as non-healthcare organisations.

6.2 Healthcare Provider Organisation Services Type

6.2.1 Description

Organisation services are specialities provided by Healthcare Providers in private or group practices in their own offices (e.g. GP centres, clinics) or in the facilities of others, such as hospitals or health maintenance type medical centres.

6.2.2 Policy

The Healthcare Provider Organisation Type will specify the type of services. Legislation¹⁴ defines a Healthcare Provider Organisation as an entity that provides healthcare services¹⁵ to healthcare individuals (e.g. hospitals, GP Practices). These organisations will be assigned a HPI-O and with their consent will be listed in the Healthcare Provider Directory by the HI Service Operator.

¹³ s24(4) HI Bill 2010 (Cth)

¹⁴ s5 HI Bill 2010 (Cth)

¹⁵ s6(1) Privacy Act 1988 (Cth)

The Healthcare Provider Organisation may provide a broad range of services which include healthcare, social welfare and human services¹⁶. Some parts of some healthcare organisations therefore may not be eligible to become a networked organisation as the current scope will only cover organisations providing direct healthcare services.

6.2.3 Standards Reference

ANZSIC_12920_2006, METeOR

6.2.4 Domain Values

Healthcare Provider Organisation Type Code	Healthcare Provider Organisation Type Description	Healthcare Provider Organisation Service Type Code	Healthcare Provider Organisation Service Type Description
4271	Retail Pharmacy	4271-1	Pharmacy, retail, operation
		4271-2	Community Pharmacy
6999	Other Professional, Scientific and Technical Services n.e.c.	6999-1	Interpretation service
		6999-2	Professional, scientific and technical services n.e.c.
		6999-3	Translation service
7511	Central Government Healthcare Administration	7511-1	Divisions of General Practice
7521	State Government Healthcare Administration	7521-1	State Government Healthcare Administration
7531	Local Government Healthcare Administration	7531-1	Local Government Healthcare Administration
7561	General Health Administration	7561-1	General Health Administration
7562	Provision and administration of public health program	7562-1	Provision and administration of public health program
8401	Hospitals (except Psychiatric Hospitals)	8401-1	Children's Hospital
		8401-2	Day Hospital nec
		8401-3	Ear, nose and throat hospital
		8401-4	Eye Hospital
		8401-5	General Hospital
		8401-6	Hospital (except psychiatric or veterinary hospitals)

¹⁶ **Healthcare services** - those service that directly related to the treatment of a physical or mental health condition experienced by people, or those, which directly support the provision of such goods or services. It includes occupations with tasks and duties that primarily relate to treatment or restoration of physical and / or mental well being; health maintenance; health promotion and education; administrative and technical support of health professionals and health research. [Based on ANZSCO12200_2006].

Human services - services that produce a goods or services that is intended to treat a 'social' health condition. Services in this group have a primary intent to meet social needs such as companionship, supervision in care facilities, recreation, and assist with housing and finances have been excluded because the goods or services produced are often wide ranging. [Based on ANZSCO12200_2006].

		8401-7	Infectious diseases hospital (including human quarantine stations)
		8401-8	Maternity Hospital
		8401-9	Obstretic Hospital
		8401-10	Women's Hospital
		8401-11	Public day centre/hospital
		8401-12	Public freestanding day surgery centre.
		8401-13	Private day centre/hospital.
		8401-14	Private freestanding day surgery centre.
		8401-15	Public acute care Hospital
		8401-16	Private acute care Hospital
		8401-17	Veterans Affairs Hospital
		8401-18	Defence Force Hospital
		8401-19	Other Commonwealth Hospital
		8401-20	Subacute Hospitals
8402	Mental Health Hospitals	8402-1	Public Mental Health Hospital
		8402-2	Private Mental Health Hospital
8511	General Practice	8511-1	Flying doctor service
		8511-2	General medical practitioner service
		8511-3	General practice medical clinic service
		8511-4	Rural general medical practice service
		8511-5	Community Health Care
8512	Specialist Medical Services	8512-1	Allergy specialist service
		8512-2	Anaesthetist service
		8512-3	Dermatology Service
		8512-4	Ear, nose and throat specialist service
		8512-5	Gynaecology services
		8512-6	Hair transplant service (by registered medical practitioner)
		8512-7	Neurology service
		8512-8	Obstetrics service
		8512-9	Ophthalmology service
		8512-10	Orthopaedic service
		8512-11	Paediatric service
		8512-12	Psychiatry service
		8512-13	Rheumatology service
		8512-14	Specialist medical clinic service
		8512-15	Specialist medical practitioner service nec
		8512-16	Specialist surgical service
		8512-17	Thoracic specialist service
		8512-18	Urology service
		8512-19	Emergency Department Services
8520	Pathology and Diagnostic Imaging Services	8520-1	Diagnostic imaging service
		8520-2	Medical laboratory service
		8520-3	Pathology laboratory service
		8520-4	X-ray clinic service

8531	Dental Services	8531-1	Conservative dental service
		8531-2	Dental hospital (out-patient)
		8531-3	Dental practice service
		8531-4	Dental practitioner service
		8531-5	Dental surgery service
		8531-6	Endodontic service
		8531-7	Oral pathology service
		8531-8	Oral surgery service
		8531-9	Orthodontic service
		8531-10	Pedodontics service
		8531-11	Periodontic service
		8531-12	Prosthodontics service
8532	Optometry and Optical Dispensing	8532-1	Contact lens dispensing
		8532-2	Eye testing (optometrist)
		8532-3	Optical dispensing
		8532-4	Optician service
		8532-5	Orthoptic service
		8532-6	Spectacles dispensing
8533	Physiotherapy Services	8533-1	Physiotherapy Services
8534	Chiropractic and Osteopathic Services	8534-1	Chiropractic
		8534-2	Osteopathic Services
8539	Other Allied Health Services	8539-1	Acupuncture service
		8539-2	Aromatherapy service
		8539-3	Audiology service
		8539-4	Clinical psychology service
		8539-5	Dental hygiene service
		8539-6	Dietician service
		8539-7	Hearing aid dispensing
		8539-8	Herbalist service
		8539-9	Homoeopathic service
		8539-10	Hydropathic service
		8539-11	Midwifery service
		8539-12	Naturopathic service
		8539-13	Nursing service
		8539-14	Occupational therapy service
		8539-15	Podiatry service
		8539-16	Speech pathology service
		8539-17	Therapeutic massage service
		8539-18	Extended Allied Health services
8591	Ambulance Services	8591-1	Aerial ambulance service
		8591-2	Ambulance service
8599	Other Healthcare Services nec	8599-1	Blood bank operation
		8599-2	Health assessment service
		8599-3	Healthcare service nec
		8599-4	Community Health Facility
		8599-5	Public Community Health Centre
		8599-6	Private (non-profit) Community Health Centre
		8599-7	Community health facility – substance abuse
		8599-8	Community health facility – mental
		8599-9	Community health facility – other

8601	Aged Care Residential Services	8601-1	Private profit nursing home for the aged
		8601-2	Government nursing home for the aged
		8601-3	Private charitable nursing home for the aged
		8601-4	State government hostel for the aged
		8601-5	Charitable hostels for the aged
		8601-6	Local government hostel for the aged
8609	Other Residential Care Services	8609-1	Private charitable nursing home for young disabled
		8609-2	Private profit nursing home for young disabled
		8609-3	Government nursing home for young disabled
		8609-4	Other charitable hostel
		8609-5	Other State government hostel
		8609-6	Other Local government hostel
		8609-7	Public alcohol and drug treatment centre
		8609-8	Private alcohol and drug treatment centre
8790	Other Social Assistance Services	8790-3	Aged care assistance service
		8790-4	Alcoholics anonymous operation
		8790-5	Disabilities assistance service

6.3 Healthcare Provider Organisation Service Units

6.3.1 Description

The nature of the services provided by an organisational unit or organisational arrangement, on behalf of a healthcare provider organisation, in accordance with the legislation.

6.3.2 Policy

The orchestration of the Services Units and granularity level of the service representation are based on the system's requirement, which is enabling the authorised HI User to find a particular healthcare service in the Healthcare Provider Directory.

It is possible that a provider specialisation, which is searched on, does not exist and only the use of a service description will enable the user to find a particular service provider.

Few principles were applied to the current classification:

- The HI service units classification is agnostic to the notion of target recipient of the service - e.g. pregnant women, men in high risk occupations)

- The HI service units classification is provider agnostic - the service can be performed by any provider if that provider is professionally credentialed to provide the designated service - e.g. Immunisation can be performed in multiple healthcare settings
- The HI service units classification is agnostic to the location of the service - location is architected under the concept of "networked HPI-O" within HPI-O model
- The HI service units classification does not cover "Service package," which consists of multiple services – for example, coordinated care of a patient with complex needs, involving case conferencing.

6.3.3 Standards Reference/ Sources

ANZSIC_12920_2006, Medicare Australia, VIC DHS, NSW HERO, MeTEOR.

6.3.4 Notes

All service units' codes are based on the existing ANZSIC codes. The codes descriptions are taken from VIC DHS PCP Directory and NSW HERO Services. NEHTA recognises ANZSIC's codes' limitations. NEHTA's vision is to use SNOMED terminology for the specification of healthcare services. The following classification will serve as a foundation for the SNOMED development work.

6.3.5 Domain Values

Healthcare Provider Organisation Service Type	Healthcare Provider Organisation Service Type Description	Healthcare Provider Organisation Service Unit Code	Healthcare Provider Organisation Service Unit Description
4271-1	Pharmacy, retail, operation	4271-1.1	Pharmacy, retail, operation
4271-2	Community Pharmacy	4271-2.1	Supply of Medicines to Aboriginal Health
		4271-2.2	Services in Remote Areas
		4271-2.3	Baby Clinic Service
		4271-2.4	Blood Glucose Testing
		4271-2.5	Blood Pressure Monitoring Service
		4271-2.6	Bone Density Testing
		4271-2.7	Buprenorphine Treatment Program
		4271-2.8	Chemotherapy Preparation
		4271-2.9	Cholesterol Testing
		4271-2.10	Community Education (structured)
		4271-2.11	Complementary Therapies such as Aromatherapy, Massage, etc
		4271-2.12	Continence
		4271-2.13	Diabetes Management
		4271-2.14	Diabetes Australia Sub Agency

		4271-2.15	Dose Administration Aid Packing (eg. Websterpak)
		4271-2.16	Herbal Medicines
		4271-2.17	Home Delivery Service
		4271-2.18	Home Medicines Reviews (HMRs)
		4271-2.19	Immunisation Travel Advisory Service Medical Certificates
		4271-2.20	Medical Certificates
		4271-2.21	Medication Profiling (Provision of a Current Medication Summary)
		4271-2.22	Methadone Treatment Program
		4271-2.23	Needle and Syringe Program
		4271-2.24	Nutritional Supplement, Counselling/Nutritional Support
		4271-2.25	Optometry Services
		4271-2.26	Residential Medication Management Reviews (RMMR)
		4271-2.27	Return of Unwanted Medicines Program
		4271-2.28	Pharmacist Consultations
		4271-2.29	Sharps Disposal Service
		4271-2.30	Smoking Cessation/Quit Smoking Program
		4271-2.31	Sleep Apnoea Monitoring Equipment
		4271-2.32	Specialised Compounding
		4271-2.33	Specialist Wound Management Service
		4271-2.34	Over-the-counter (OTC) inclusion, for a fee
		4271-2.35	Charge a service fee for compilation or provision of methadone
6999-1	Interpretation service	6999-1.1	Interpretation service
6999-2	Professional, scientific and technical services n.e.c.	6999-2.1	Professional, scientific and technical services n.e.c.
6999-3	Translation service	6999-3.1	Translation service
7511-1	Divisions of General Practice	N/A	N/A
7521-1	State Government Healthcare Administration	N/A	N/A
7531-1	Local Government Healthcare Administration	N/A	N/A
7561-1	General Health Administration	N/A	N/A
7562-1	Provision and administration of public health program	N/A	N/A
8401-1	Children's Hospital	N/A	N/A
8401-2	Day Hospital nec	N/A	N/A
8401-3	Ear, nose and throat hospital	N/A	N/A
8401-4	Eye Hospital	N/A	N/A
8401-5	General Hospital	N/A	N/A

8401-6	Hospital (except psychiatric or veterinary hospitals)	N/A	N/A
8401-7	Infectious diseases hospital (including human quarantine stations)	N/A	N/A
8401-8	Maternity Hospital	N/A	N/A
8401-9	Obstetric Hospital	N/A	N/A
8401-10	Women's Hospital	N/A	N/A
8401-11	Public day centre/hospital	N/A	N/A
8401-12	Public freestanding day surgery centre.	N/A	N/A
8401-13	Private day centre/hospital.	N/A	N/A
8401-14	Private freestanding day surgery centre.	N/A	N/A
8401-15	Public acute care Hospital	N/A	N/A
8401-16	Private acute care Hospital	N/A	N/A
8401-17	Veterans Affairs Hospital	N/A	N/A
8401-18	Defence Force Hospital	N/A	N/A
8401-19	Other Commonwealth Hospital	N/A	N/A
8401-20	Subacute Hospitals	N/A	N/A
8402-1	Public Mental Health Hospital	N/A	N/A
8402-2	Private Mental Health Hospital	N/A	N/A
8511-1	Flying doctor service	N/A	N/A
8511-2	General medical practitioner service	N/A	N/A
8511-3	General practice medical clinic service	N/A	N/A
8511-4	Rural general medical practice service	N/A	N/A
8511-5	Community Health Care	8511-5.1	Blood donation
		8511-5.2	Family planning
		8511-5.3	Health advocacy
		8511-5.4	Health information/referral
		8511-5.5	Immunisation
		8511-5.6	Cancer screening
		8511-5.7	Maternal & child health
		8511-5.8	Sexual health
		8511-5.9	Speech pathology/therapy
8512-1	Allergy specialist service	N/A	N/A
8512-2	Anaesthetist service	N/A	N/A
8512-3	Dermatology Service	N/A	N/A
8512-4	Ear, nose and throat specialist service	N/A	N/A
8512-5	Gynaecology services	8512-5.1	Gynaecological Oncology
		8512-5.2	Obstetrics & Gynaecology
		8512-5.3	Reproductive Endocrinology & Infertility
		8512-5.4	Urogynaecology
8512-6	Hair transplant service (by registered medical practitioner)	N/A	N/A
8512-7	Neurology service	N/A	N/A
8512-8	Obstetrics service	N/A	N/A

8512-9	Ophthalmology service	N/A	N/A
8512-10	Orthopaedic service	N/A	N/A
8512-11	Paediatric service	8512-11.1	Neonatology & Perinatology
		8512-11.2	Paediatric Cardiology
		8512-11.3	Paediatric Clinical Genetics
		8512-11.4	Paediatric Clinical Pharmacology
		8512-11.5	Paediatric Endocrinology
		8512-11.6	Paediatric Gastroenterology & Hepatology
		8512-11.7	Paediatric Haematology
		8512-11.8	Paediatric Immunology & Allergy
		8512-11.9	Paediatric Infectious diseases
		8512-11.10	Paediatric intensive care medicine
		8512-11.11	Paediatric Medical Oncology
		8512-11.12	Paediatric Medicine
		8512-11.13	Paediatric Nephrology
		8512-11.14	Paediatric Neurology
		8512-11.15	Paediatric Nuclear Medicine
		8512-11.16	Paediatric Rehabilitation Medicine
		8512-11.17	Paediatric Rheumatology
		8512-11.18	Paediatric Sleep Medicine
		8512-11.19	Paediatric Thoracic Medicine
		8512-11.20	Paediatric Anaesthesiology
		8512-11.21	Pediatric Dermatology
		8512-11.22	Pediatric Emergency Medicine with Trauma Service
		8512-11.23	Pediatric Emergency Medicine without Trauma Service
		8512-11.24	Paediatric Otolaryngology
		8512-11.25	Pediatric Hematology-Oncology
		8512-11.26	Behavioral Pediatrics
		8512-11.27	Pediatric Pulmonology
8512-12	Psychiatry service	8512-12.1	Mental health advocacy
		8512-12.2	Mental health assessment/triage/crisis response
		8512-12.3	Mental health case management/continuing care
		8512-12.4	Mental health information/referral
		8512-12.5	Mental health inpatient services (hospital psychiatric unit) - requires referral
		8512-12.6	Mental health non-residential rehabilitation
		8512-12.7	Mental health residential rehabilitation/community care unit
		8512-12.8	Drug and/or alcohol counselling
		8512-12.9	Drug and/or alcohol information/referral
		8512-12.10	Needle & Syringe exchange

		8512-12.11	Non-residential alcohol and/or drug dependence treatment
		8512-12.12	Pharmacotherapy (e.g. methadone) program
		8512-12.13	Quit program
		8512-12.14	Residential alcohol and/or drug dependence treatment
		8512-12.15	Forensic Psychiatry
8512-13	Rheumatology service	N/A	N/A
8512-14	Specialist medical clinic service	8512-14.1	Clinical Genetics Services
		8512-14.2	Endocrinology Services
		8512-14.3	Gastroenterology & Hepatology Services
		8512-14.4	Geriatric medicine Services
		8512-14.5	Infectious diseases Services
		8512-14.6	Intensive care Services
		8512-14.7	Clinical Oncology Services
		8512-14.8	Nephrology Services
		8512-14.9	Neurology Services
		8512-14.10	Rheumatology Services
		8512-14.11	Sleep Medicine Services
		8512-14.12	Thoracic medicine Services
		8512-14.13	Rehabilitation Medicine Services
		8512-14.14	Occupational Medicine Services
		8512-14.15	Palliative Medicine Services
		8512-14.16	Clinical Haematology Services
		8512-14.17	Internal Medicine Services
		8512-14.18	Clinical Allergy & Immunology
8512-15	Specialist medical practitioner service nec	8512-15.1	Navy Medical Services
		8512-15.2	General Practice Women's Health and Obstetrics Services
		8512-15.3	General Practice Anaesthetics Services
		8512-15.4	General Practice Procedure Services
		8512-15.5	GP Surgery GP Skin Cancer Services
8512-16	Specialist surgical service	8512-16.1	Cardiothoracic surgery
		8512-16.2	Neurosurgery
		8512-16.3	Ophthalmology
		8512-16.4	Orthopaedic surgery
		8512-16.5	Plastic & Reconstructive Surgery
		8512-16.6	Surgery - General
		8512-16.7	Urology
		8512-16.8	Vascular surgery
		8512-16.9	Oral and Maxillofacial Surgery
		8512-16.10	Facial Plastic Surgery
		8512-16.11	Plastic Surgery within the Head & Neck
		8512-16.12	Otolaryngology/Facial Plastic Surgery
		8512-16.13	Transplant Surgery
		8512-16.14	Dermatological Surgery

		8512-16.15	Paediatric Orthopaedic Surgery
		8512-16.16	Paediatric Surgery
		8512-16.17	Adult Reconstructive Orthopaedic Surgery
		8512-16.18	Hand Surgery
		8512-16.19	Orthopaedic Surgery of the Spine
		8512-16.20	Foot and Ankle Surgery
		8512-16.22	Trauma Surgery
		8512-16.24	Surgical Oncology
		8512-16.25	Colon & Rectal Surgery
8512-17	Thoracic specialist service	8512-17.1	Thoracic specialist service
8512-18	Urology service	8512-18.1	Urology service
8512-19	Emergency Department Services	8512-19.1	Emergency Department without trauma service
		8512-19.2	Emergency Department with trauma service
		8512-19.3	Emergency Department without paediatric coverage
		8512-19.4	Emergency Department with paediatric coverage
		8512-19.5	Emergency Department: general practice level, with paediatric coverage.
		8512-19.6	Emergency Department: general practice level, without paediatric coverage.
8520-1	Diagnostic imaging service	8520-1.1	Diagnostic Radiology
		8520-1.2	Diagnostic Ultrasound/Sonography
		8520-1.3	Magnetic resonance imaging (MRI)
		8520-1.4	Obstetric & Gynaecological Ultrasound
		8520-1.5	Nuclear Medicine
		8520-1.6	Medical radiation therapy/Radiation oncology
		8520-1.7	Nuclear Cardiology
		8520-1.8	Nuclear Imaging & Therapy
		8520-1.9	In Vivo & In Vitro Nuclear Medicine
8520-2	Medical laboratory service	8520-2.1	Clinical Chemistry Services
		8520-2.2	General Services
		8520-2.3	Genetic Services
		8520-2.4	Haematology Services
		8520-2.5	Immunology Services
		8520-2.6	Microbiology Services
		8520-2.7	Chemical Pathology
8520-3	Pathology laboratory service	8520-3.1	Anatomical Pathology (including Cytopathology & Forensic Pathology)
		8520-3.2	Cytopathology
		8520-3.3	Forensic Pathology
8520-4	X-ray clinic service	N/A	N/A
8531-1	Conservative dental service	N/A	N/A
8531-2	Dental hospital (out-patient)	N/A	N/A

8531-3	Dental practice service	N/A	N/A
8531-4	Dental practitioner service	N/A	N/A
8531-5	Dental surgery service	N/A	N/A
8531-6	Endodontic service	N/A	N/A
8531-7	Oral pathology service	N/A	N/A
8531-8	Oral surgery service	N/A	N/A
8531-9	Orthodontic service	N/A	N/A
8531-10	Pedodontics service	N/A	N/A
8531-11	Periodontic service	N/A	N/A
8531-12	Prosthodontics service	N/A	N/A
8532-1	Contact lens dispensing	N/A	N/A
8532-2	Eye testing (optometrist)	N/A	N/A
8532-3	Optical dispensing	N/A	N/A
8532-4	Optician service	N/A	N/A
8532-5	Orthoptic service	N/A	N/A
8532-6	Spectacles dispensing	N/A	N/A
8533-1	Physiotherapy Services	N/A	N/A
8534-1	Chiropractic	8534-1.1	Chiropractic
8534-2	Osteopathic Services	8534-2.1	Osteopathic Services
8539-1	Acupuncture service	N/A	N/A
8539-2	Aromatherapy service	N/A	N/A
8539-3	Audiology service	N/A	N/A
8539-4	Clinical psychology service	N/A	N/A
8539-5	Dental hygiene service	N/A	N/A
8539-6	Dietician service	N/A	N/A
8539-7	Hearing aid dispensing	N/A	N/A
8539-8	Herbalist service	N/A	N/A
8539-9	Homoeopathic service	N/A	N/A
8539-10	Hydropathic service	N/A	N/A
8539-11	Midwifery service	N/A	N/A
8539-12	Naturopathic service	N/A	N/A
8539-13	Nursing service	N/A	N/A
8539-14	Occupational therapy service	N/A	N/A
8539-15	Podiatry service	N/A	N/A
8539-16	Speech pathology service	N/A	N/A
8539-17	Therapeutic massage service	N/A	N/A
8539-18	Extended Allied Health services	8539-18.1	Alexander technique therapy
		8539-18.2	Aromatherapy
		8539-18.3	Biorhythm services
		8539-18.4	Bowen therapy
		8539-18.5	Chinese herbal medicine
		8539-18.6	Feldenkrais
		8539-18.7	Hypnotherapy
		8539-18.8	Kinesiology
		8539-18.9	Magnetic therapy
		8539-18.10	Meditation
		8539-18.11	Myotherapy
		8539-18.12	Naturopathy
		8539-18.13	Reflexology
		8539-18.14	Reiki
		8539-18.15	Relaxation therapy
		8539-18.16	Shiatsu

		8539-18.17	Western herbal medicine
8591-1	Aerial ambulance service	N/A	N/A
8591-2	Ambulance service	N/A	N/A
8599-1	Blood bank operation	N/A	N/A
8599-2	Health assessment service	N/A	N/A
8599-3	Healthcare service nec	N/A	N/A
8599-4	Community Health Facility	N/A	N/A
8599-5	Public Community Health Centre	N/A	N/A
8599-6	Private (non-profit) Community Health Centre	N/A	N/A
8599-7	Community health facility – substance abuse	N/A	N/A
8599-8	Community health facility – mental	N/A	N/A
8599-9	Community health facility – other	N/A	N/A
8601-1	Private profit nursing home for the aged	8601-1.1	Accommodation for the aged operation
		8601-1.2	Aged care hostel operation
		8601-1.3	Nursing home operation
		8601-1.4	Residential care for the aged operation
8601-2	Government nursing home for the aged	N/A	N/A
8601-3	Private charitable nursing home for the aged	N/A	N/A
8601-4	State government hostel for the aged	N/A	N/A
8601-5	Charitable hostels for the aged	N/A	N/A
8601-6	Local government hostel for the aged	N/A	N/A
8609-1	Private charitable nursing home for young disabled	8609-1.1	Children's home operation
		8609-1.2	Community mental health hostel operation
		8609-1.3	Crisis care accommodation operation
		8609-1.4	Home for the disadvantaged operation nec
		8609-1.5	Hospice operation
		8609-1.6	Residential refuge operation
		8609-1.7	Respite residential care operation
8609-2	Private profit nursing home for young disabled	N/A	N/A
8609-3	Government nursing home for young disabled	N/A	N/A
8609-4	Other charitable hostel	N/A	N/A
8609-5	Other State government hostel	N/A	N/A
8609-6	Other Local government hostel	N/A	N/A
8609-7	Public alcohol and drug treatment centre	N/A	N/A
8609-8	Private alcohol and drug treatment centre	N/A	N/A
8790-3	Aged care assistance service	8790-3.1	Aged care assessment
		8790-3.2	Aged Care information/referral

		8790-3.3	Case management for older persons
		8790-3.4	Delivered meals (meals on wheels)
		8790-3.5	Friendly visiting
		8790-3.6	Home care/housekeeping assistance
		8790-3.7	Home maintenance and repair
		8790-3.8	Personal alarms/alerts
		8790-3.9	Personal care for older persons
		8790-3.10	Planned activity groups
8790-4	Alcoholics anonymous operation	8790-4.1	Alcoholics anonymous operation
8790-5	Disabilities assistance service	8790-5.1	Acquired brain injury information/referral
		8790-5.2	Disability advocacy
		8790-5.3	Disability aids & equipment
		8790-5.4	Disability case management
		8790-5.5	Disability day programs & activities
		8790-5.6	Disability information/referral
		8790-5.7	Disability support packages
		8790-5.8	Disability supported accommodation
		8790-5.9	Early childhood intervention
		8790-5.10	Bereavement counselling
		8790-5.11	Crisis counselling
		8790-5.12	Problem gambling counselling
		8790-5.13	Family counselling and/or family therapy
		8790-5.14	Family violence counselling
		8790-5.15	Generalist counselling
		8790-5.16	Genetic counselling
		8790-5.17	Health counselling
		8790-5.18	Mediation
		8790-5.19	Relationship counselling
8790-5.20	Sexual assault counselling		
8790-5.21	Trauma counselling		
8790-5.22	Victims of crime counselling		

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Appendix A Scenarios

A.1 Create HPI-I

A new graduate, Ms Script, has finished her pharmacy degree and secured a job offer from a chemist after completing her supervised practice in the pharmacy. However, before she can practice, Ms Script is required to register with the Australian Health Practitioners Regulation Agency (AHPRA)¹⁷.

Ms Script supplies AHPRA with the documentation required to support her registration as a practicing pharmacist.

As Ms Script does not currently have an HPI-I, she also requests allocation of a new HPI-I and to allow participation in the HI Services.

On processing the successful registration the Pharmacy Board (as a Trusted Data Source for the HPI Service) confirms that she does not currently have an HPI-I allocated and then sends a request together with Ms Script's information from the pharmacy board's records to the HI Service. This information includes her specialty.

The HI Service allocates a new HPI-I for Ms Script and associates her registration as a practicing pharmacist with it. The HI Service also records that the Trusted Data Source for this registration is AHPRA.

This initiates the creation of a new HPI-I and associated record in the HI Provider Directory for a registered practising pharmacist.

A.2 Create seed HPI-O

Mr Manager is a senior manager and part owner of the Sunwest Medical Services Group. The management committee determine that the Hospital will participate in the HI Service and Mr Manager takes on the task of setting it up.

After some initial investigation, Mr Manager collects documentation to support registration of Sunwest in the HI Service.

That documentation includes:

- A registration request for the Hospital that provides the required information
- Certificate of registration for the business
- Letter advising that Mr Manager is authorised to act on behalf of the Hospital; and

¹⁷ Australian Health Practitioners Regulation Agency (AHPRA) will be responsible for registration of pharmacists from July 2010

- Evidence of his identity

After collecting this documentation, he attends the HI Service Operator's business office to register the hospital.

The HI Service Operator asks Mr Manager for the required documentation and records that it has been sighted. The documentation is returned to Mr Manager.

The HI Service Operator registers the information of the organisation i.e. organisation type, name, address, electronic contact details and Mr Manager's details as the Responsible Officer for Sunwest in the HPI Service.

A 'seed' HPI-O is then created for Sunwest using the supplied registration information.

The HI Service Operator informs Mr Manager of the allocated HPI-O and provides him with log-in information for the HI Service.

As Mr Manager has indicated that Sunwest wishes its information made available in the HI PDS, the HI Service adds the directory specific information provided by Sunwest to the HI PDS.

For ongoing maintenance of the information held in the HI Service about Sunwest, Mr Manager nominates that Mr Clerk will be assigned the Organisation Maintenance Role (OMR) for the seed HPI-O. The HI Service updates the seed HPI-O record with Mr Clerk's details as the OMR and provides him with logon information.

A.3 Create a networked HPI-O for a department

The Sunwest Medical Services Group owns the Sunwest Respiratory Clinics. These are two clinics located for patient convenience in the Eastern and the Western suburbs respectively.

They provide consultative, diagnostic and ongoing care for chronic respiratory problems in children. They employ a number of medical staff and have arrangement with independent medical specialists who use their consulting rooms and treatment facilities.

To support direct referral of patients by GPs and other clinicians refer patients to this clinic, Sunwest wants the Respiratory Clinics to have their own HPI-Os.

As the Clinics are part of Sunwest Medical Services Group, Mr Clerk is able to create 'network' HPI-Os for each clinic without providing documentation to the HI Service (as was the case for the seed HPI-O).

These new HPI-Os, and any other network HPI-Os created by Sunwest Group will be organised into an HPI-O hierarchy with the Sunwest Medical Services Group's (seed) HPI-O at the top.

Mr Clerk, the OMR for the Sunwest Medical Services Group uses his HI Service login information to access the HI Service and selects the action of create network HPI-O.

The HI Service displays the current Sunwest HPI-O structure from which Mr Manager selects an existing HPI-O¹⁸ for which he has authority to create network HPI-Os – in this case, the seed HPI-O for the Sunwest Group.

He enters information for the Eastern Suburbs Respiratory Clinic which includes:

- Organisation type
- Name – “Sunwest Respiratory Clinic”
- Address
- Electronic contact details
- Services

The HI Service allocates a new (network) HPI-O for the clinic and sets the seed HPI-O of Sunwest Medical Services Group as its parent. An updated organisation map is now displayed for Mr Clerk.

Mr Clerk now repeats this process for the Western Suburbs Respiratory Clinic – noting that he leaves the name of both clinics the same.

As the Respiratory Clinics are managed as a self contained business, Mr Clerk determines that day-to-day changes to information stored in the HI Service about them should be maintained by Mr Smith who works in an administrative capacity for the Respiratory Clinics.

As Mr Clerk was given privilege to establish new OMOs, he logs into the HI Service and sets up Mr Smith as a new OMR with authority to maintain information about both clinics. He does not however give Mr Smith authority to create additional OMOs or HPI-Os.

Because Sunwest want the Respiratory Clinics to be locatable in the HPD by other healthcare professionals who may want to refer clients to either of them, Mr Clerk selected the option to display the Respiratory Clinics in the HPD – which the HI Service does.

A.4 Create HPI-I and HPI-O relationship

The senior clinician for the Sunwest Respiratory Clinics is Mister Breatheasy who is an internationally published specialist in early childhood respiratory disease. He works Mondays in the Eastern Suburbs Clinic, Tuesday &

¹⁸ Following the flow of these scenarios, the only HPI-O that would be available for selection at this stage would be the single seed HPI-O

Wednesday in the Western Suburbs Clinic and keeps Thursday & Friday flexible.

In addition to working with Sunwest, he has arrangements as a VMO with a number of public hospitals.

Sunwest recognise that GPs and other specialists will want to refer patients directly to Mister Breatheasy and want to set up the clinics as a point of referral for him.

After gaining Mister Breatheasy's agreement, Mr Smith, in his capacity as OMO sets up linkages for the HPD between the HPI-Os for the two clinics and Mister Breatheasy's HPI-I.

A.5 Maintain HPI-I Record through AHPRA as TDS

A year after obtaining registration with the Pharmacy Registration Board, Ms Script marries her partner, Mr Repeat and decides to also change her name to Mrs Repeat-Script.

She notifies the Australian Healthcare Practitioner Regulation Agency (AHPRA) of her change of details and provides supporting evidence.

AHPRA updates her registration details and, as part of the ongoing synchronisation of AHPRA registration information with information held in the HI Service, the updated information is automatically applied to her registration information in the HI Service.

A.6 Lookup provider individual in the HI Provider Directory

Dr Health, a GP receives a new patient, Johnny Citizen who is accompanied by his mother - Mrs Citizen. Johnny has a history of Asthma that has been managed successfully to now however more recently his condition has worsened and Mrs Citizen wants someone to review his condition. After conducting his own preliminary assessment, Dr Health decides to refer Johnny to a respiratory specialist.

Mrs Citizen informs him that Johnny had seen Mister Breatheasy a few years back and that she would like to take Johnny back to him if possible.

Dr Health is aware of Mister Breatheasy however is not aware of his current contact details. He accesses the Healthcare Provider Directory and looks up Mister Breatheasy's contact details, using his name and specialty.

The HI Service locates the HPI-I information for Mister Breatheasy and uses the links in the HPD to display the two consulting rooms that Mister Breatheasy has agreed to have linked to his HPI-I.

One of these is in the Eastern Suburbs and is most convenient for Mrs Citizen - Dr Health uses the HPD to obtain Mister Breatheasy's Eastern Suburb address and electronic contact details, and using this information, sends a referral for Johnny Citizen (which includes his IHI along with the Dr Health's HPI-I and the GP Practices HPI-O) to him. Dr Health also provides Mrs Citizen with the contact details for Mister Breatheasy's Eastern Suburbs Consulting rooms, so that she can make an appointment.

A.7 Lookup Provider Organisation in the HI Provider Directory

Mr Resident had a stroke and is now paralysed down the left side of his body. His neurologist, Dr Smith, advises Mr Resident's son, John, that his father will need to undergo physiotherapy if he is to regain some mobility in the left side of his body.

Dr Smith is affiliated with South Hospital, which provides physiotherapy services so recommends that Mr Resident attend that facility.

The Physiotherapy unit has recently relocated and as Dr Smith does not have their current contact details, he accesses the Healthcare Provider Directory and looks up the contact details, using organisation name and services to validate.

The HI Service retrieves the appropriate information. Dr Smith obtains the contact details and writes a referral (with Mr Resident's IHI) so that John can make an appointment on behalf of his father.

Editorial note: HI Scenarios in the Context of E-Referrals and E-Discharge Summaries

These scenarios were added to demonstrate how the HI Services can add value to the enhancement of a continuity and quality of healthcare delivery and was advised during the initial Jurisdictional review of the HI classification paper.

A.8 Selecting One of Many Providers (e-referral)

Mr John Paine has had trouble with his knees for years, worsening recently. His GP, Dr William Moore, diagnoses osteoarthritis, and recommends referral to an orthopaedic surgeon for consideration of a knee replacement. The surgeon to whom Dr Moore normally refers has retired.

Dr Moore uses a provider search form in his clinical software to search for providers with specialty "Orthopaedic Surgery" in or near Mr Paine's suburb. This local software finds no conveniently located orthopaedic surgeon so, as it has an interface with the Healthcare Provider Directory via web services, it uses this interface to access and search the HPD.

The HI Service locates several Orthopaedic surgeons in the general area. Dr Moore's medical software enhances the results with geographic coordinate

information that allows the potential referees to be ranked by their distance from Mr Paine's home.

Dr Moore picks the closest one, Dr Jill Sarbanes, and his system records the corresponding HPI-I and HPI-O details as well as address for electronic referrals. Dr Moore sends a referral to Dr Sarbanes, who accepts the referral. Mr Paine contacts Dr Sarbanes' office to book an appointment.

Dr Sarbanes information is added to Dr Moore's local provider directory and linked to the referral.

A.9 An Emergency Referral to a Networked Organisation for a Particular Service

Joe Cramp goes to his GP, Dr Sally Forth, with a history of intense tightness in his chest and shortness of breath periodically over the past few days. After taking this history, Dr Forth worries that Mr Cramp is experiencing acute coronary syndrome, and calls an ambulance to take Mr Cramp to the nearest ED, at St Somewhere Hospital.

While waiting for the ambulance, she types a brief referral to the Admitting Officer at St Somewhere, and her software automatically populates the referral with a summary of Mr Cramp's medical history and current medications.

Her software has an electronic interface to the HI PDS and presents a provider search form.

Using this form, she looks up the Emergency Department at St Somewhere. To support this sort of enquiry, St Somewhere have created a 'network' HPI-O for the Emergency Department and in this have provided the physical and electronic contact details for the ED.

Using this information, she prepares and send an electronic referral to the electronic address and prints a copy of the referral including the physical address of the Emergency Department which she gives to Joe Cramp.

At St Somewhere, the ED computer system receives the electronic referral and automatically forwards it to Dr Abody who is acting in the role of the Admitting Officer and performing admission services this day.

He receives the referral and notifies the triage nurse that Mr Cramp is coming. Having reviewed the notes in the referral, he asks that Joe Cramp have his electrocardiogram done as soon as he arrives.

Twenty minutes later, Joe Cramp arrives at the ED and presents his Medicare Card. The ED System uses his Medicare number to locate his IHI that is then matched to the referral and the request for an immediate electrocardiogram.

A.10 Lookups for Incompletely Specified Providers (Discharge Summary)

Ms Anna Patient is visiting Sydney from Queensland, when she develops severe abdominal pain and goes to a nearby emergency department without a referral.

She cannot remember all her GP's details, and tells the registration clerk that her GP is "Dr Jane," Family name unknown, at the medical centre on Bright St, Sunwest Bay. As the hospital's registration system has an electronic interface to the HI PDS, it is able to use this partial information to search for the GP.

The HPD returns two different GPs at different medical centres on Bright St.

The ED clerk reads these out to the patient who recognises one of the GPs (Dr Jane Good). The clerk selects this provider and her corresponding HPI-I and HPI-O information is stored by the registration system.

Ms Patient is assessed, diagnosed with appendicitis, and is admitted for an emergency appendectomy, which goes well. Ms Patient's Sydney friends offer to look after her for a week or two after discharge. So that Ms Patient can be monitored after discharge, they suggest that she go to their local GP who works out of the Convenient Medical Centre in Harbourview.

The hospital's discharge system is also linked to the HPD by web services.

As part of the discharge process, the resident confirms the GP for discharge – at this time, Ms Patient advises that she will be extending her stay in Sydney and would like to use the Convenient Medical Centre in Harbourview.

The resident uses their discharge system to locate the Convenient Medical Centre in the HPD and retrieves the electronic and physical address information for the Convenient Medical Centre and, using linkage information that the Medical Centre has set up in the HPD, gets the name and contact details for the Centre's senior GP.

The resident updates Ms Patient's discharge information in the medical record to the GP at the Convenient Medical Centre and prepares and sends a Discharge Summary to the Convenient Medical Centre with a copy to Dr Jane Good containing a recommendation that a GP review Ms Patient and remove her sutures in about a week.

When Dr Jane Good's medical software receives the electronic referral, it uses the IHI contained in it to add the information about the appendectomy to Ms Patient's medical record.

When the Discharge Summary is received at the Convenient Medical Centre, the practice software uses the information contained to create a new patient record for Ms Patient and stores the information about the recent appendectomy.