

nzhis

New Zealand Health Information Service

**NATIONAL BOOKING REPORTING SYSTEM
DATA WAREHOUSE**

DATA DICTIONARY

Version 1.4

July 2006



**MINISTRY OF
HEALTH**

MANATŪ HAUORA

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New Zealand Health Information Service

The New Zealand Health Information Service (NZHIS) is a group within the Ministry of Health responsible for the collection and dissemination of health-related data. The NZHIS has as its foundation the goal of making accurate information readily available and accessible in a timely manner throughout the health sector. The vision of NZHIS is to be recognised as a leader in the provision of health information services, and to support the health sector's ongoing effort to improve the health status of New Zealanders.

Reporting environments

Reporting environments such as Business Objects and data extracts will not necessarily contain all data described in this Data Dictionary.

Publications

A complete list of NZHIS's publications is available from New Zealand Health Information Service, PO Box 5013, Wellington, or via NZHIS's web site at <http://www.nzhis.govt.nz>.

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Introduction

Objectives

The objectives of the New Zealand Health Information Service (NZHIS) Data Dictionaries are to:

- describe the information available within the National Collections
- promote uniformity, availability and consistency across the National Collections
- support the use of nationally agreed protocols and standards wherever possible
- promote national standard definitions and make them available to users.

It is hoped that the greater level of detail along with clear definitions of the business rules around each element will assist with providing and using the data.

Audiences

The target audiences for NZHIS Data Dictionaries are data providers, software developers, and data users.

New format

All data element definitions in the NZHIS Data Dictionaries are presented in a format based on the Australian Institute of Health and Welfare National Health Data Dictionary. This dictionary is based on the ISO/IEC Standard 11179 *Specification and Standardization of Data Elements*—the international standard for defining data elements issued by the International Organization for Standardization and the International Electrotechnical Commission.

The format is described in detail in Appendix A of this dictionary.

Changes to dictionary format

A more rigorous approach to recording changes in the data elements has been introduced in these dictionaries along with background material on the features of time series data for each element.

In summary, the changes to the data dictionaries include:

- standardisation of the element names so that, for instance, a healthcare user's NHI number is referred to as NHI number in all collections
- elements are listed alphabetically within each table, and the tables are organised alphabetically
- each table is described
- verification rules, historical information, and data quality information are included
- alternative names for the elements are listed
- information about how the data is collected is given
- related data, and references to source documents and source organisations are included
- an alphabetical index is included
- code tables are included with the element, or a reference given to the NZHIS web site (for large or dynamic code tables).

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National Booking Reporting System Data Warehouse (NBRS DW)

Scope	Purpose <p>The National Booking Reporting System Data Warehouse (NBRS DW) was established to consolidate information from the NBRS database and summary outpatient statistics.</p> <p>This consolidated view of the data supports the monthly production of Elective Services Patient Flow Indicator (ESPI) reports and ad hoc queries. The ESPIs are a means of evaluating how providers manage patients waiting to access elective services. The eight indicators incorporate the Government's policy targets for elective services and some of the accountability requirements for District Health Boards (DHBs). In addition they highlight current and potential issues in patient flows through the elective services system.</p> Content <p>The NBRS DW is updated every month with the last six months of data from:</p> <ul style="list-style-type: none">the NBRS, which is a collection of all booking system events, involving a healthcare user who receives an assessment of priority for a medical or surgical service and who is accepted for publicly funded treatment; this data is collected from the 21 DHBs.the Monthly Reporting Access database, which contains national summary outpatient data; this data is collected monthly from the 21 DHBs.
Start date	The NBRS DW was implemented on 1 July 2003, and contains data from 1 August 2000.
Guide for use	At the end of each month, the previous six months' data is loaded to ensure any changes are captured. Data is summarised into months (also known as snapshots).
Contact information	For further information about this collection or to request specific datasets or reports, contact the NZHIS Analytical Services team on ph 04 922 1800, fax 04 922 1897, or e-mail inquiries@nzhis.govt.nz , or visit the NZHIS web site www.nzhis.govt.nz .
Collection methods – guide for providers	Data is sourced from DHBs via: <ul style="list-style-type: none">National Booking Reporting System (booking event data)National Booking Reporting System Monthly Reporting (NBRSMR) (outpatient data)
Frequency of updates	The last six months of data is reloaded into the NBRS DW on the 28th of each month.

Security of data

The NBRS DW is accessed by authorised NZHIS staff for maintenance, data quality, analytical, and audit purposes.

Authorised users from the Ministry of Health's Elective Services Team and DHBs have access to the data for analytical purposes via the Business Objects reporting tool and the secure Health Information Network. Business Objects contains a subset of the data described in the Data Dictionary.

Privacy issues

The Ministry of Health is required to ensure that the release of information recognises any legislation related to the privacy of health information, in particular the Official Information Act 1982, the Privacy Act 1993, and the Health Information Privacy Code 1994.

Information available to the general public is of a statistical and non-identifiable nature. Researchers requiring identifiable data will usually need approval from an Ethics Committee.

National reports and publications

Summary NBRS data is published monthly on the elective services web site www.electiveservices.govt.nz as part of the ESPIs. These reports are also available via the Business Objects reporting tool.

Data provision

Customised datasets or summary reports are available on request, either electronically or on paper. Staff from the NZHIS Analytical Services team can help to define the specifications for a request and are familiar with the strengths and weaknesses of the data.

The NZHIS Analytical Services team also offers a peer review service to ensure that NZHIS data is reported appropriately when published by other organisations.

There may be charges associated with data extracts.

Booking KPI table

Table name: Booking KPI table

Name in database: booking_kpi_fact **Version:** 1.2 **Version date:** 01-Nov-2005

Definition: The Booking KPI table holds values, including agreed and actual contractual inpatient values, for 3 Elective Services KPIs for each DHB at a Specialty, month and KPI granularity.

Guide for Use: Elective Services are part of the Ministry of Health. They have defined 8 Key Performance Indicators (KPIs) to support the elective service patient flow indicator (ESPI) reports.

Each month each KPI statistic is added for each DHB's specialty. Each statistic is stored in one of the following fields, depending on its data type:

- KPI calculated value (numeric)
- KPI date value (datetime)
- KPI textual value (varchar).

The KPI data in the Booking KPI table relates to KPIs 1, 2 and 7. It is sourced from HealthPAC (Contractual data), and DHBs via NBRSMR (Outpatient data) and the NMDS (Inpatient data).

Outpatient KPI values are loaded directly from the monthly reporting system (NBRSMR). This system takes feeds from the DHBs on a monthly basis, collecting a number of statistics. NBRSMR then passes the required pre-calculated KPI values to the NBRS Data Warehouse for inclusion in the Booking KPI table.

For the purposes of calculating KPI statistics, a list of 'valid' specialties is kept for each DHB. This allows the NBRS Data Warehouse to identify missing but expected information.

Primary Key: kpi_dim_key
snapshot_month_dim_key
dhb_dim_key
specialty_dim_key

Business Key:

Relational Rules:

KPI calculated value

Administrative status

Reference ID: **Version:** 1.0 **Version date:** 06-May-2003

Identifying and defining attributes

Name: KPI calculated value

Name in database: kpi_value

Other names:

Element type: Data element

Definition: Contains the KPI statistic value, if the KPI statistic requires a calculation that provides a numeric result.

Context:

Relational and representational attributes

Data type: numeric **Field size:** 14,4 **Layout:** NNNNNNNNNN.NNNN

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI date value

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: KPI date value

Name in database: kpi_date

Other names:

Element type: Data element

Definition: Contains the KPI statistic value, if the KPI statistic provides a date result.

Context:

Relational and representational attributes

Data type: datetime

Field size: 8

Layout: CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI textual value

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: KPI textual value

Name in database: kpi_text

Other names:

Element type: Data element

Definition: Contains the KPI statistic value, if the KPI statistic provides a text result.

Context:

Relational and representational attributes

Data type: varchar

Field size: 50

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Booking Snapshot table

Table name:	Booking Snapshot table		
Name in database:	booking_snapshot_fact	Version: 1.2	Version date: 01-Nov-2005
Definition:	Contains a single entry for every booking status in each booking entry event.		
Guide for Use:	Each month all booking entries in the NBRS that are active or exited within that month are added to the NBRS Data Warehouse.		
	There are approximately 1.8 million rows as at July 2003, with growth of around 80,000 rows per month expected.		
	Each month, the Booking Snapshot table is refreshed with the previous six months' data. Records that are more than six months old are retained as static data.		
	Elective Services is part of the Ministry of Health, who have 8 Key Performance Indicators (KPIs). These KPIs have been defined to support the elective service patient flow indicator (ESPI) reports.		
	The data in the Booking Snapshot table relates to KPIs 3, 4, 5, 6 and 8. It is sourced from the NBRS.		
Primary Key:	agency_code facility_code client_booking_entry_id snapshot_month_dim_key		
Business Key:	agency_code facility_code client_booking_entry_id		
Relational Rules:			

Agency code

Administrative status

Reference ID:	A0138	Version: 1.0	Version date: 03-Apr-2000
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Identifying and defining attributes

Name:	Agency code
Name in database:	agency_code
Other names:	Health agency code, DHB
Element type:	DATA ELEMENT
Definition:	A code that uniquely identifies an agency. An agency is an organisation, institution or group of institutions that contracts directly with the principal health service purchaser to deliver healthcare services to the community.
Context:	The reporting agency responsible for the booking entry and status assigned to a patient.

Relational and representational attributes

Mandatory

Data type:	char	Field size: 4	Layout: XXXX
Data domain:	See the Agency code table on the NZHIS web site at http://www.nzhis.govt.nz/documentation/codetables.html . For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.		
Guide for use:	Historically, also known as CHE (Crown Health Enterprise), HHS (Hospitals and Health Services) and AHB (Area Health Board).		
	Unit record information with facility codes will not be provided to members of the public without the permission of the agency involved. See the Data Access Policy on the NZHIS web site at http://www.nzhis.govt.nz/access/index.html .		
Verification rules:	Must be a valid code in the Agency and Facility code table.		
Collection method:	Sourced from the NBRS Booking Entry table's Agency code field.		
Related data:			

Administrative attributes

Source document:

Source organisation: NZHIS

Booked procedure

Administrative status

Reference ID:

Version: 1.0

Version date: 01-Jan-2003

Identifying and defining attributes

Name: Booked procedure

Name in database: booked_procedure_code

Other names:

Element type: Data element

Definition: A code used to describe the procedure for which the patient is booked at a general group heading level.

Context:

Relational and representational attributes

Data type: char

Field size: 2

Layout:

Data domain: See the Booked Procedure code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: Read in combination with the Health specialty code, the Booked procedure code specifies the type of the operation the patient is expected to have.

The Booked procedure code was devised specifically for the NBRS.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Booked procedure field.

Providers send a combination of Clinical code, Clinical code table type, and Clinical coding system ID to the NBRS.

Related data: Health specialty code

Administrative attributes

Source document:

Source organisation:

Booking referral source

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Booking referral source

Name in database: referral_source_code

Other names:

Element type: Data element

Definition: A code indicating whether an assessment was privately funded.

Context:

Relational and representational attributes

Data type: char **Field size:** 1 **Layout:** N

Data domain:

1	Private specialist
2	Public specialist
3	Not known

Guide for use: Code '3' (Not known) applies to original waiting list data loaded into the NBRS system in July 2000.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Referral source code field.

Related data:

Administrative attributes

Source document:

Source organisation:

Clinical code

Administrative status

Reference ID: A0124

Version: 1.1

Version date: 15-Mar-2004

Identifying and defining attributes

Name: Clinical code

Name in database: clinical_code

Other names: Diagnosis/procedure code

Element type: Data element

Definition: A code used to classify the clinical description of a condition.

Context: Clinical information within a health event.
Includes codes for diagnosis, injury, cause of intentional and unintentional injury, and procedure performed.

Relational and representational attributes

Mandatory

Data type: char **Field size:** 8 **Layout:** See Collection method.

Data domain: Must be a valid code in one of the following systems:
- ICD-9-CM-A 2nd Edition – Australian Version of the International Classification of Diseases, 9th Revision, Clinical Modification, 2nd Edition
- ICD-10-AM 1st Edition – The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification, 1st Edition
- ICD-10-AM 2nd Edition – The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification, 2nd Edition
- ICD-10-AM 3rd Edition – The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification, 3rd Edition
- DSM-IV – Diagnostic and Statistical Manual of Mental Disorders, 4th Edition.

Guide for use: Combinations of Health specialty, Clinical code, Clinical code type and Clinical coding system ID can be mapped (via a block code) to a Booked procedure code.

If Clinical code is submitted to the NBRS as ICD-9-CM-A, it is mapped to ICD-10-AM 1st Edition, then mapped to the Booked procedure code.

Verification rules: Demographic data (eg, Sex, Date of birth) is checked to ensure it is consistent with the Clinical code, as specified by the editing flags held against each Clinical code on the Clinical Code table.

Collection method: Sourced from the NMDS Clinical Code table's Clinical code field.

From ICD-10-AM 2nd Edition onwards, procedures are NNNNNNN, and diagnoses and injuries are ANNNN.

Providers send either a Booked procedure code, or a combination of Clinical code, Clinical code table type, and the Clinical coding system ID to the NBRS.

Clinical codes should be submitted to the NBRS in ICD-10-AM 3rd Edition, but are also accepted in ICD-9-CM-A 2nd Edition, ICD-10-AM 1st Edition and ICD-10-AM 2nd Edition.

Related data:

Administrative attributes

Source document:

Source organisation: National Centre for Classification in Health, University of Sydney, Australia

Clinical code type

Administrative status

Reference ID: A0125

Version: 1.0

Version date: 30-Apr-2003

Identifying and defining attributes

Name: Clinical code type

Name in database: clinical_code_type

Other names: Reported as clinical_code_table_type. Also known as Clinical code table type

Element type: Data element

Definition: A code denoting which section of the Clinical Code table the Clinical code falls within.

Context: Clinical information.

Relational and representational attributes

Mandatory

Data type: char **Field size:** 1 **Layout:** A

Data domain:

- A Diagnosis
- B Injury
- D DSM-IV
- E External cause of injury
- M Morphology (pathology)
- O Operation/procedure
- V Supplementary classification/health factors

Guide for use: This is a processing field required to map codes correctly between ICD-9-CM-A 2nd Edition and other coding systems.

Combinations of Health specialty, Clinical code, Clinical code type and Clinical coding system ID can be mapped (via a block code) to a Booked procedure code.

Verification rules: Must be a valid code in the Clinical Code Table Type code table.

Must form part of a valid combination of Clinical code, Clinical code type, and Clinical coding system ID.

Collection method: Sourced from the NBRS Booking Entry table's Clinical code type field.

Providers send either a Booked procedure code, or a combination of Clinical code, Clinical code table type, and Clinical coding system ID to the NBRS.

Related data:

- Clinical coding system ID
- Diagnosis type
- Clinical code

Administrative attributes

Source document:

Source organisation:

Clinical coding system ID

Administrative status

Reference ID: A0126

Version: 1.1

Version date: 15-Mar-2004

Identifying and defining attributes

Name: Clinical coding system ID

Name in database: clinical_code_system

Other names:

Element type: Data element

Definition: A code identifying the clinical coding system used for diagnoses and procedures.

Context: Clinical information.

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** NN

Data domain:

- 01 ICD-9
- 02 ICD-9-CM
- 03 Read
- 04 ICPC
- 05 Old AMR codes
- 06 ICD-9-CM-A
- 07 DSM IV (for MHINC only)
- 10 ICD-10-AM 1st Edition
- 11 ICD-10-AM 2nd Edition
- 12 ICD-10-AM 3rd Edition

Guide for use: Combinations of Health specialty, Clinical code, Clinical code type and Clinical coding system ID can be mapped (via a block code) to a Booked procedure code.

Verification rules:

Collection method: Sourced from the NBRS Cooking Entry table's clinical coding system ID field.

Providers send either a Booked procedure code, or a combination of Clinical code, Clinical code table type, and Clinical coding system ID to the NBRS.

Related data: Clinical code type
Clinical code

Administrative attributes

Source document:

Source organisation:

Contract agency

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Contract agency

Name in database: contract_agency_code

Other names:

Element type: Data element

Definition: A code that uniquely identifies an agency. An agency is an organisation, institution or group of institutions that contracts directly with the principal health service purchaser to deliver healthcare services to the community.

Context: A code used to identify the agency where treatment was provided. (This may be different from that of the booking entry.)

Relational and representational attributes

Data type: char

Field size: 4

Layout: NNNN

Data domain: See the Agency code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: If this field is not supplied, the value will default to the agency sending the data.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Contract agency code field.

Related data:

Administrative attributes

Source document:

Source organisation:

Current booking status code

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Current booking status code

Name in database: curr_booking_status_code

Other names:

Element type: Derived data element

Definition: The healthcare user's Booking status as at the date at the end of the snapshot period.

Context:

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** NN

Data domain:

01	Booked
02	Given certainty
03	Residual
04	Active review
05	Deferred
06	Rebooked
07	No effect on booking status (indicates a reassessment)
20	Exited

For code descriptions, see the Booking Status code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use:

Verification rules: The Booking status from the record in the NBRS Booking Entry Event table with the most recent Booking status date that is before the date at the end of the snapshot period.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Date certainty given

Administrative status

Reference ID:

Version: 1.0

Version date: 01-Jan-2003

Identifying and defining attributes

Name: Date certainty given

Name in database: certainty_given_date

Other names:

Element type: Data element

Definition: The date that the hospital sent or provided advice to the healthcare user that they would receive publicly funded treatment within the next six months.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: This field will be populated only if the healthcare user was given certainty during the snapshot period.

Certainty means the patient is told they will receive treatment within the next six months and that the treatment date will be provided closer to the time.

Verification rules: Must be on or after the First priority assessment date.

Collection method: Sourced from the NBRS Booking Entry Event table's Certainty given date field.

This is not necessarily the date that the healthcare user was given a firm booking date for treatment or a diagnostic test.

This date will be blank if the healthcare user has not yet been given certainty.

Related data:

Administrative attributes

Source document:

Source organisation:

Date exit category assigned

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Date exit category assigned

Name in database: exit_category_assigned_date

Other names:

Element type: Derived data element

Definition: The date when the healthcare user left the care of the facility, ie, was assigned a Booking status of '20'.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where the Booking status is '20' (Exited).

Related data:

Administrative attributes

Source document:

Source organisation:

Date of birth

Administrative status

Reference ID: A0025

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Date of birth

Name in database: date_of_birth

Other names: DOB, HCU date of birth, Birth date, Birthday

Element type: Data element

Definition: The date on which the individual or healthcare user was born.

Context: Required to derive age for demographic analyses.

Relational and representational attributes

Data type: datetime

Field size: 8

Layout: CCYYMMDD

Data domain: Valid dates

Partial dates are permissible. At a minimum the century and year must be supplied. If day is provided but month is omitted then the day will not be recorded. Incomplete dates are stored as 'ccyy0101' or 'ccyymm01' and a partial date flag associated with the date is set to the appropriate value.

Guide for use: Extracted from the NHI database during the NBRS load process, based on NHI number.

Added to the NBRS on 1 March 2002.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Date of birth field.

Related data:

Administrative attributes

Source document:

Source organisation:

Date of entry

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Date of entry

Name in database: entry_date

Other names:

Element type: Derived data element

Definition: The date of entry into the booking register.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: This field will only be populated if the healthcare user entered the system within the snapshot period.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date for the booking entry.

Related data:

Administrative attributes

Source document:

Source organisation:

Date of referral

Administrative status

Reference ID: A0153

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Date of referral

Name in database: referral_date

Other names: Date of referral for first specialist assessment

Element type: Data element

Definition: The date of the doctor's referral letter, or date presented for self-referral, or date of transfer which resulted in this event, whichever date is earlier.

Context: Request for a secondary assessment of a patient's need for secondary care or for specialist advice in managing a patient in primary care.

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: This date is required for selected surgical procedures.

Not reliably reported to the NBRS. Data is usually collected in the facility's outpatient system, and is not transferred to the healthcare user's inpatient record.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Referral date field.

This field will be optional until further notice. At least six months' notice will be given before this field becomes mandatory for healthcare users who are priority assessed and for whom priority assessment booking records would normally be provided to NZHIS. The use of this data element for other healthcare users who receive a first priority assessment is up to providers.

Related data:

Administrative attributes

Source document:

Source organisation:

Days between referral and first priority assessment

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Days between referral and first priority assessment

Name in database: days_referral_to_fsa

Other names:

Element type: Derived data element

Definition: The number of days between the Date of referral and the First priority assessment date.

Context:

Relational and representational attributes

Data type: integer

Field size:

Layout:

Data domain:

Guide for use: If the Date of referral has not been supplied for the booking event then the value in this field will be '0'.

Verification rules: Calculated from a count of days between the Date of referral and the First priority assessment date for a booking entry.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Days since first priority assessment

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Days since first priority assessment

Name in database: days_since_fsa

Other names:

Element type: Derived data element

Definition: The number of days between First priority assessment date and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.

Context:

Relational and representational attributes

Data type: integer

Field size:

Layout:

Data domain:

Guide for use:

Verification rules: Calculated from a count of days between the First priority assessment date and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Days since given certainty

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Days since given certainty

Name in database: days_since_certainty

Other names:

Element type: Derived data element

Definition: The number of days the healthcare user has been waiting for treatment with a status of '02' (Given certainty).

Context:

Relational and representational attributes

Data type: integer

Field size:

Layout:

Data domain:

Guide for use:

Verification rules: Calculated from a count of days between the Date certainty given and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Days since last review in active review

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Days since last review in active review

Name in database: days_since_last_review

Other names:

Element type: Derived data element

Definition: The number of days between Latest priority assessment date and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.

Context:

Relational and representational attributes

Data type: integer

Field size:

Layout:

Data domain:

Guide for use:

Verification rules: Calculated from a count of days between the Latest priority assessment date and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Days waiting assured

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Days waiting assured

Name in database: days_waiting_assured

Other names:

Element type: Derived data element

Definition: The number of days in an uninterrupted assured waiting status. An assured waiting status is when the healthcare user has any of the following codes: '01' (Booked); '02' (Certainty given); '05' (Deferred); or '06' (Rebooked).

Context:

Relational and representational attributes

Data type: integer

Field size:

Layout:

Data domain:

Guide for use: If the Booking status is set to '03' or '04' this field is empty.

Verification rules: Calculated from a count of days between the start date of the uninterrupted assured waiting status and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Deferred by healthcare user

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Deferred by healthcare user

Name in database: deferred_by_hcu_count

Other names:

Element type: Derived data element

Definition: The number of deferrals initiated by the healthcare user for this booking entry in the month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout: NN

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Deferred by hospital

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Deferred by hospital

Name in database: deferred_by_hhs_count

Other names:

Element type: Derived data element

Definition: The number of deferrals initiated by the hospital for this booking entry in the month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Encrypted NHI number

Administrative status

Reference ID: A0319 **Version:** 1.0 **Version date:** 29-Apr-2003

Identifying and defining attributes

Name: Encrypted NHI number
Name in database: encrypted_hcu_id
Other names: Encrypted HCU identifier, Encrypted NHI, etc. See other names for the NHI number under 'Guide for use' below.
Element type: Data element
Definition: The NHI number in encrypted form.
Context: The NHI number is the cornerstone of NZHIS's data collections. It is a unique 7-character identification number assigned to a healthcare user by the National Health Index (NHI) database. NHI numbers uniquely identify healthcare users, and allow linking between different data collections.

Relational and representational attributes

Data type: char **Field size:** 11 **Layout:**
Data domain: System-generated
Guide for use: THE NHI NUMBER
 When duplicate records for a healthcare user are merged, one of their NHI numbers will be deemed to be the master (or primary), and the others become event (or secondary) NHI numbers. This does not affect which NHI numbers are used in local systems.

For the analysis of healthcare information relating to a unique individual, the master NHI number should be used.

The NBRS will always retain entered data, that is, the database holds the event NHI number originally supplied. For linking of discharge data, identification of duplicate booking entries and reporting purposes, the NBRS will need to refer to the HCU table on the NHI which records duplicate NHI numbers.

The Privacy Commissioner considers the NHI number to be personally identifying information (like name and address) so, if it is linked to clinical information, it must be held securely and the healthcare user's privacy protected.

VALIDATION

The first three characters of an NHI number must be alpha (but not 'I' or 'O'). The 4th to 6th characters must be numeric. The 7th character is a check digit modulus 11.

ENCRYPTION

The NHI number is encrypted using a one-way encryption algorithm. The aim is to provide an encrypted number that can be sent across public (unsecured) networks.

Verification rules: There is a verification algorithm which ensures that the NHI number is in the correct format and is valid.

Collection method: Sourced from the NBRS.

Related data:

Administrative attributes

Source document: <http://www.nzhis.govt.nz/>

Source organisation: NZHIS

Entry booking status code

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Entry booking status code

Name in database: entry_booking_status_code

Other names:

Element type: Derived data element

Definition: The Booking status at time of entering the system.

Context:

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** NN

Data domain:

01	Booked
02	Given certainty
03	Residual
04	Active review
05	Deferred
06	Rebooked
07	No effect on booking status (indicates a reassessment)
20	Exited

For code descriptions, see the Booking Status code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status code where it is the earliest booking status for the booking entry.

Related data:

Administrative attributes

Source document:

Source organisation:

Ethnic group codes

Administrative status

Reference ID: A0027,A0208,A0209

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Ethnic group codes

Name in database: ethnic_code, ethnic_code_2, ethnic_code_3

Other names: Ethnicity

Element type: Data element

Definition: A social group whose members have one or more of the following four characteristics:

- they share a sense of common origins
- they claim a common and distinctive history and destiny
- they possess one or more dimensions of collective cultural individuality
- they feel a sense of unique collective solidarity.

Context: Information on ethnicity is collected for planning and service delivery purposes and for monitoring health status across different ethnic groups. Ethnic group codes are key variables for determining the characteristics of the population that are using the health sector.

Relational and representational attributes

Data type: char

Field size: 2

Layout: NN

Data domain:

10	European not further defined
11	New Zealand European/Pakeha
12	Other European
21	Maori
30	Pacific Peoples not further defined
31	Samoan
32	Cook Island Maori
33	Tongan
34	Niuean
35	Tokelauan
36	Fijian
37	Other Pacific Peoples
40	Asian not further defined
41	Southeast Asian
42	Chinese
43	Indian
44	Other Asian
51	Middle Eastern
52	Latin American/Hispanic
53	African (or cultural group of African origin)
54	Other
99	Not stated

Guide for use: Extracted from the NHI database during the NBRS load process, based on NHI number.

Added to the NBRS on 1 March 2002.

From 1 July 1996 up to 3 ethnic group codes can be collected for each healthcare user. Where more than 3 ethnic group codes are reported, the Statistics NZ prioritisation algorithm is used to report only 3 values.

Ethnic code should be self-identified wherever possible.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Ethnic code, Ethnic code 2, Ethnic code 3 fields.

Related data:

Administrative attributes

Source document: Smith, Anthony.1981. The Ethnic Revival. Cambridge University Press.

Source organisation: Statistics NZ, modified by the National Data Policy Group.

Exit category

Administrative status

Reference ID:

Version: 2.0

Version date: 01-Oct-2005

Identifying and defining attributes

Name: Exit category

Name in database: exit_category_code

Other names:

Element type: Data element

Definition: A code indicating the final outcome at the completion of the priority assessment/booking event.

Context:

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** NN

Data domain:

- 01 Treated electively (valid until Nov 1 2005)
- 02 Deceased (valid until Nov 1 2005)
- 03 Private treatment (valid until Nov 1 2005)
- 04 Treated acutely (valid until Nov 1 2005)
- 05 Removed from booking system for medical reasons (valid until Nov 1 2005)
- 06 Discharge to GP (valid until Nov 1 2005)
- 07 Treated other hospital (valid until Nov 1 2005)
- 09 Other exit category (valid until Jul 1 2005)
- 10 Discharge without treatment (valid until Nov 1 2005)
- 11 Patient receive publicly funding elective treatment
- 12 Patient received publicly funding acute treatment
- 13 Patient returned to primary care
- 14 Removed due to changed patient circumstances
- XX Value not supplied (for non-exit booking events)

Guide for use: Exit category of '09' is no longer available for use as at July 1 2005.
Exit categories '01','02','03','04','05','06','07' & '10' are no longer available for use as at November 1 2005

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Exit category code.

Related data:

Administrative attributes

Source document:

Source organisation:

Facility code

Administrative status

Reference ID: A0143

Version: 1.0

Version date: 01-Jan-2003

Identifying and defining attributes

Name: Facility code

Name in database: facility_code

Other names: Health agency facility code, Hospital, HAF code, HAFC

Element type: Data element

Definition: A code that uniquely identifies a healthcare facility.

A healthcare facility is a place, which may be a permanent, temporary, or mobile structure, that healthcare users attend or are resident in for the primary purpose of receiving healthcare or disability support services. This definition excludes supervised hostels, halfway houses, staff residences, and rest homes where the rest home is the patient's usual place of residence.

Context: The hospital managing the booking entry and booking status assigned to a patient.

Relational and representational attributes

Mandatory

Data type: char **Field size:** 4 **Layout:** NNNN

Data domain: See the Facility code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: Historically known as Crown Health Enterprise (CHE).

Unit record information with Facility codes will not be provided to members of the public without the permission of the agency involved. See the Data Access Policy on the NZHIS web site at <http://www.nzhis.govt.nz/access/index.html>.

Verification rules: Must be a valid code in the Agency and Facility code table.

Collection method: Sourced from the NBRS Booking Entry table's Facility code field.

Related data:

Administrative attributes

Source document:

Source organisation: NZHIS

First active review date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: First active review date

Name in database: first_active_review_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry first went into active review (04) status.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: Active Review is a care pathway for patients for whom elective surgery is considered to be the best option for their care, but where:

- . this service is not available within the current public funding or provider capacity; and
- . there is a realistic probability that the patient's condition may meet the threshold for treatment in the foreseeable future.

These are the patients who would next receive treatment if provider capacity increases.

While in the category of active review, patients should receive a clinical assessment every six months. If at any time a patient's condition deteriorates to the point where their priority score exceeds the aTT, they should be given a commitment to treatment.

If a patient's condition remains unchanged by the time of the third assessment, they should be returned to the care of their GP.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date with a Booking status of '04' (Active review).

Related data:

Administrative attributes

Source document:

Source organisation:

First booking date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: First booking date

Name in database: first_booking_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry first went into booked (01) status.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date with a Booking status of '01' (Booked).

Related data:

Administrative attributes

Source document:

Source organisation:

First clinical responsibility code

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: First clinical responsibility code

Name in database: initial_clinical_responsibility_code

Other names: Reported as Clinical responsibility code.

Element type: Derived data element

Definition: A code identifying the clinician assuming initial clinical responsibility for a plan of care decision.

Context:

Relational and representational attributes

Data type: varchar **Field size:** 7 **Layout:** See Collection method below.

Data domain:

Guide for use: This information will not be publicly available.

Verification rules: Must be present if a value is present in the Professional group code field.

Collection method: Sourced from the NBRS Booking Event table's Initial clinical responsibility code field.

The layout of the Clinical responsibility code depends on the Professional group code range of the Professional group code, as follows:

A alphabetic only
C alphanumeric
N numeric only

Related data: Professional group code
Clinical responsibility code

Administrative attributes

Source document:

Source organisation:

First priority assessment date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: First priority assessment date

Name in database: first_assessment_date

Other names: First CPAC assessment date

Element type: Derived data element

Definition: The date of first priority assessment for a booking entry.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid Dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Assessment table's CPAC assessment date where it is the earliest assessment date for the booking.

Related data:

Administrative attributes

Source document:

Source organisation:

First priority score

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: First priority score

Name in database: first_cpac_score

Other names: First CPAC score

Element type: Derived data element

Definition: The priority score from the first priority assessment.

Context:

Relational and representational attributes

Data type: varchar

Field size: 5

Layout:

Data domain:

Guide for use: Business identifier for the initial priority score dimension.

Includes priority scores assigned using local tools or national priority tools.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Assessment table's CPAC score where it is the earliest score for the booking.

Related data:

Administrative attributes

Source document:

Source organisation:

First priority scoring system

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: First priority scoring system

Name in database: first_cpac_scoring_syst_code

Other names: First CPAC scoring system

Element type: Derived data element

Definition: A code identifying either the local or national prioritisation system being used for an assessment.

Context:

Relational and representational attributes

Data type: char

Field size: 4

Layout:

Data domain:

Guide for use: Business identifier for initial priority score dimension.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Assessment table's CPAC scoring system code where it is the earliest code for the booking.

Related data:

Administrative attributes

Source document:

Source organisation:

First professional group code

Administrative status

Reference ID:

Version: 1.0

Version date: 02-Sep-2003

Identifying and defining attributes

Name: First professional group code

Name in database: initial_prof_group_code

Other names: Reported as clinical_responsibility_group

Element type: Derived data element

Definition: A code identifying the professional group or body with which the clinician assuming initial clinical responsibility for a plan-of-care decision is registered.

Context:

Relational and representational attributes

Data type: char

Field size: 2

Layout:

Data domain: MC Medical Council of New Zealand

Guide for use: Added to the NBRS on 1 July 2002.

In the Booking Entry table, this field and the Clinical responsibility code field contain the initial person who assessed the healthcare user. In the Booking event table, any subsequent assessors are recorded.

Other values in the code table remain inactive. These values can be viewed on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Verification rules: Must be an active code in the Professional Group code table.

Collection method: Sourced from the NBRS Professional Group table's Professional group code.

Related data: First clinical responsibility code

Administrative attributes

Source document:

Source organisation:

First rebooking date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: First rebooking date

Name in database: first_rebooking_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry was first rebooked, ie, given a status of '06'.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date with a Booking status of '06' (Rebooked) for a booking entry.

Related data:

Administrative attributes

Source document:

Source organisation:

First residual wait list date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: First residual wait list date

Name in database: first_residual_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry was first assigned a residual wait list (03) status.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid Dates

Guide for use: This can be assigned as an interim step until a booking status is determined (typically within 10 days).

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date with a Booking status of '03' (Residual) for a booking entry.

Related data:

Administrative attributes

Source document:

Source organisation:

First scheduled date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: First scheduled date

Name in database: first_scheduled_date

Other names:

Element type: Derived data element

Definition: The scheduled treatment/diagnostic test date for the first booking (01) event for this entry.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Scheduled date where the Booking status date is the earliest date with a Booking status of '01' (Booked).

Related data:

Administrative attributes

Source document:

Source organisation:

Health specialty code

Administrative status

Reference ID:

Version: 1.0

Version date: 01-Jan-2003

Identifying and defining attributes

Name: Health specialty code

Name in database: health_specialty_code

Other names: Health specialty

Element type: Data element

Definition: A classification describing the specialty or service to which a healthcare user has been assigned, which reflects the nature of the services being provided.

Context: The health specialty managing a patient's care.

Relational and representational attributes

Mandatory

Data type: char **Field size:** 3 **Layout:** ANN

Data domain: See the Health Specialty code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: When combined with Booked procedure code, the Health specialty code specifies the type of operation the patient is expected to have.

Hospitals use the Health specialty code combined with Clinical code, Clinical code type, and Clinical coding system ID to report to the NBRS.

The Clinical codes are mapped to a booked procedure by NZHIS. If no explicit mapping exists then they will be mapped to the appropriate 'Other' (99) category for the health specialty.

Some procedures are carried out in more than one specialty (eg, varicose veins in both general & vascular surgery) which means that some ICD Codes will map to more than one specialty.

The subset of the coding system in the Booked Procedure code table was developed for the purpose of reporting booking system procedures. It is based on a combination of the current high-level NMDS health specialty codes and a number or group of specific procedures.

Verification rules: Must be a valid code in the code table.

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Latest active review date

Administrative status

Reference ID:

Version: 1.1

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest active review date

Name in database: latest_active_review_date

Other names:

Element type: Derived data element

Definition: The date when the booking was last assigned an active review (04) status.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking Status Date where it is the most recent date with a Booking Status of '04' (Active review) for a booking entry.

Related data:

Administrative attributes

Source document:

Source organisation:

Latest booking date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest booking date

Name in database: latest_booking_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry was last assigned a booked '01' status.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the most recent date with a Booking status of '01' (Booked) for a booking entry.

Related data:

Administrative attributes

Source document:

Source organisation:

Latest clinical responsibility code

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest clinical responsibility code

Name in database: latest_clinical_resp_code

Other names:

Element type: Derived data element

Definition: A code identifying the clinician most recently assuming clinical responsibility for a plan of care decision.

Context: Not available publicly.

Relational and representational attributes

Data type: varchar

Field size: 7

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Clinical responsibility code from the record with the latest Booking status date.

Related data:

Administrative attributes

Source document:

Source organisation:

Latest deferred by code

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest deferred by code

Name in database: latest_deferred_by_code

Other names:

Element type: Derived data element

Definition: A code indicating whether the booking was last deferred by (1) the healthcare user or (2) the hospital.

Context:

Relational and representational attributes

Data type: char **Field size:** 1 **Layout:**

Data domain:
1 Deferred by healthcare user
2 Deferred by hospital

Guide for use: If no booking status events for a patient have been submitted subsequently, this will be the same as the First booking status date associated with a Deferred by code.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Deferred by code for the record with the most recent Booking status date with a Booking status of '05' (Deferred).

Related data:

Administrative attributes

Source document:

Source organisation:

Latest deferred date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest deferred date

Name in database: latest_deferred_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry was last deferred, ie, assigned a status of '05'.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: If no booking status events for a patient have been submitted subsequently, this will be the same as the First booking status date associated with a Deferred by code.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the most recent date with a Booking status of '05' (Deferred) for a booking entry event.

Related data:

Administrative attributes

Source document:

Source organisation:

Latest priority assessment date

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Latest priority assessment date

Name in database: latest_assessment_date

Other names: Latest CPAC assessment date

Element type: Derived data element

Definition: The date of the most recent priority assessment.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid Dates

Guide for use:

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Assessment table's CPAC assessment date where it is the most recent date for the booking.

Related data:

Administrative attributes

Source document:

Source organisation:

Latest priority score

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Latest priority score

Name in database: latest_cpac_score

Other names: Latest CPAC score

Element type: Derived data element

Definition: The priority score from the healthcare user's latest priority assessment.

Context:

Relational and representational attributes

Data type: varchar

Field size: 5

Layout:

Data domain:

Guide for use: Business identifier for the Latest Priority Score table.

Priority assessments allow for scores derived by local or national prioritisation systems. The priority score awarded should be recorded if the score derived from using a tool does not reflect the priority assigned.

If a booking has only one assessment, the Latest priority score will be the same as First priority score.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Assessment table's CPAC score where it is the most recent score for a booking.

Related data: Latest priority scoring system

Administrative attributes

Source document:

Source organisation:

Latest priority scoring system

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Latest priority scoring system

Name in database: latest_cpac_scoring_syst_code

Other names: Latest CPAC scoring system

Element type: Derived data element

Definition: A code identifying the local, national or nationally recognised prioritisation tool being used for a given (latest) priority assessment.

Context:

Relational and representational attributes

Data type: char

Field size: 4

Layout:

Data domain:

Guide for use: Business identifier for Latest Priority Score table.

If a booking has one assessment only, the latest Priority scoring system will be the same as the First priority scoring system.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Assessment table's CPAC scoring system code where it is the most recent code for the booking.

Related data: Latest priority score

Administrative attributes

Source document:

Source organisation:

Latest professional group code

Administrative status

Reference ID:

Version: 1.0

Version date: 02-Sep-2003

Identifying and defining attributes

Name: Latest professional group code

Name in database: latest_prof_group_code

Other names: Reported as clinical_responsibility_group

Element type: Derived data element

Definition: A code identifying the professional group or body that the last clinician assuming clinical responsibility for a plan-of-care decision is registered with.

Context:

Relational and representational attributes

Data type: char

Field size: 2

Layout:

Data domain: MC Medical Council of New Zealand

Guide for use: Added to the NBRS on 1 July 2002.

In the Booking Entry table, this field and the Clinical responsibility code field contain the initial person who assessed the healthcare user. In the Booking event table, any subsequent assessors are recorded.

Other values in the code table remain inactive. These values can be viewed on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Verification rules: Must be an active code in the Professional Group code table.

Collection method: The NBRS Professional Group table's Professional group code where it is the most recent code for the booking.

Related data: Latest clinical responsibility code

Administrative attributes

Source document:

Source organisation:

Latest residual wait list date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest residual wait list date

Name in database: latest_residual_date

Other names:

Element type: Derived data element

Definition: The date when the booking entry was last assigned a residual wait list (03) status.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: If no booking status events for a patient have been submitted subsequently, this may be the same as the first Booking status date with a status of residual wait list.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status date where it is the most recent date with a Booking status of '03' (Residual).

Related data:

Administrative attributes

Source document:

Source organisation:

Latest scheduled date

Administrative status

Reference ID:

Version: 1.0

Version date: 05-May-2003

Identifying and defining attributes

Name: Latest scheduled date

Name in database: latest_scheduled_date

Other names:

Element type: Derived data element

Definition: The scheduled treatment/diagnostic test date for the latest booking (01) or rebooking (06) event for this entry.

Context:

Relational and representational attributes

Data type: datetime **Field size:** 8 **Layout:** CCYYMMDD

Data domain: Valid dates

Guide for use: This will only be set for snapshots that are booked, rebooked, or have been exited. If the healthcare user was exited without being booked or rebooked, the field will be null.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Scheduled date where the Booking status date is the most recent date with a booking status of '01' (Booked) or '06' (Rebooked).

Related data:

Administrative attributes

Source document:

Source organisation:

Local booking system entry ID

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Local booking system entry ID

Name in database: client_booking_entry_id

Other names: Reported as local_booking_entry_id

Element type: Data element

Definition: A code which, within a local facility, uniquely identifies a particular booking entry of an individual healthcare user.

Context:

Relational and representational attributes

Data type: char

Field size: 14

Layout:

Data domain: Free text

Guide for use: This is the unique event identifier within the provider's local system.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Local booking system entry ID (client_booking_entry_id) field.

Related data:

Administrative attributes

Source document:

Source organisation:

Number of active review events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of active review events

Name in database: care_and_review_events_count

Other names: Number of care and review events

Element type: Derived data element

Definition: A count of the number of '04' (Active review) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of assessment events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of assessment events

Name in database: assessment_events_count

Other names:

Element type: Derived data element

Definition: A count of the number of '07' (Reassessment) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of booking events deferred

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of booking events deferred

Name in database: booking_events_count

Other names:

Element type: Derived data element

Definition: A count of the number of '01' (Booked) events that were deferred ('05') during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of deferral events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of deferral events

Name in database: deferral_events_count

Other names:

Element type: Derived data element

Definition: A count of the number of '05' (Deferred) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of exit events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of exit events

Name in database: exit_events_count

Other names:

Element type: Derived data element

Definition: A count of the number of '20 (Exit) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use: This will be set to 1 in the month that the exit event occurs.

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of given certainty events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of given certainty events

Name in database: certainty_events_count

Other names:

Element type: Derived data element

Definition: A count of the number of '02' (Certainty given) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of rebooked events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of rebooked events

Name in database: rebooked_events_count

Other names:

Element type: Derived data element

Definition: A count of the number of '06' (Rebooked) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Number of residual wait list events

Administrative status

Reference ID:

Version: 1.0

Version date: 06-May-2003

Identifying and defining attributes

Name: Number of residual wait list events

Name in database: wait_list_events_count

Other names: Number of wait listed events

Element type: Derived data element

Definition: A count of the number of '03' (Residual) events that occurred during the snapshot month.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Previous booking status code

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Previous booking status code

Name in database: prev_booking_status_code

Other names:

Element type: Derived data element

Definition: The Booking status that the booking entry was in before being updated to its current status.

Context:

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** NN

Data domain:

01	Booked
02	Given certainty
03	Residual
04	Active review
05	Deferred
06	Rebooked
07	No effect on booking status (indicates a reassessment)
20	Exited

For code descriptions, see the Booking Status code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: This should not be interpreted as the booking status for the previous (snapshot) month.

An identifier for the Previous Booking Status table.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry Event table's Booking status code field.

Related data:

Administrative attributes

Source document:

Source organisation:

Principal health service purchaser

Administrative status

Reference ID: A0203

Version: 1.1

Version date: 15-Mar-2004

Identifying and defining attributes

Name: Principal health service purchaser

Name in database: purchaser_code

Other names: Principal purchaser, Health purchaser, Purchaser code, PHP, Purchase code

Element type: Data element

Definition: The organisation or body that purchased the healthcare service provided. In the case of more than one purchaser, the one who paid the most.

Context: Within the current NBRS framework it is only expected that events relating to publicly funded elective services will be submitted.

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** XN

Data domain:

01	HFA Northern Office (retired 1 July 1999)
02	HFA Midland Office (retired 1 July 1999)
03	HFA Central Office (retired 1 July 1999)
04	HFA Southern Office (retired 1 July 1999)
05	ACC (direct) (retired 1 July 1999)
06	Privately funded NZ citizen or accredited employee scheme
07	HFA Southern Office Waiting Times Fund (retired 30 June 2004)
08	HFA Central Office Waiting Times Fund (retired 30 June 2004)
09	HFA Midland Office Waiting Times Fund (retired 30 June 2004)
10	HFA Northern Office Waiting Times Fund (retired 30 June 2004)
11	Supplementary purchase (NB: does not include 'new money') (retired 30 June 2004)
12	Paediatric purchase (retired 30 June 2004)
13	HFA base purchase
14	HFA additional sustainable purchase (retired 30 June 2004)
15	BreastScreen Aotearoa
16	Independent Practice Association
17	Accredited employer
18	HFA accident purchase - overseas patients, non-MVA, non-work-related
19	Overseas chargeable
20	Overseas eligible
55	Due to strike
98	Mixed funding where no Ministry of Health, DHB or ACC purchase is involved, eg, some hospice cases
A0	ACC - direct purchase
A1	FIS - direct purchase, Fusion Insurance Services
A2	NZI - direct purchase, NZ Insurance Ltd
A3	HIH - direct purchase, HIH Work Able Ltd
A4	MMI - direct purchase, MMI General Insurance (NZ) Ltd
A5	FMG - direct purchase, Farmers' Mutual Accident Care Ltd
A6	@WK or AWK - direct purchase, At Work Insurance Ltd
A7	CIG - direct purchase, Cigna Insurance Ltd

Guide for use: Introduced on 1 July 1995.

From 1 July 1999, codes '01', '02', '03', and '04' were replaced by '13' (HFA base purchases), that is, the four Regional Health Authorities were integrated into one Health Funding Authority. Waiting times fund codes will continue because some contracts have yet to be completed.

From 1 July 2004, codes '07', '08', '09', '10', '11', '12' and '14' were retired as they have been rolled into base funding and therefore are no longer required.

'A1' to 'A7' codes are only for health events resulting from accidents that occurred in the one year for which the Accident Insurance Act 1998 applied.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Purchaser code field.

This will usually be '13' (HFA base purchase), but it may change from or to 'A0' (ACC - direct

purchase).

Related data:

Administrative attributes

Source document:

Source organisation: National Data Policy Group

Prioritised ethnicity

Administrative status

Reference ID: A0321

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Prioritised ethnicity

Name in database: prioritised_ethnicity

Other names: Ethnicity

Element type: Data element

Definition: The most highly prioritised ethnicity of the three ethnic groups recorded for the healthcare user, determined according to a Statistics NZ algorithm.

Context:

Relational and representational attributes

Data type: char **Field size:** 2 **Layout:** NN

Data domain: See the Ethnic code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: Extracted from the NHI database during the NBRS load process, based on NHI number.

Added to the NBRS on 1 March 2002.

From 1 July 1996 up to 3 ethnic group codes can be collected for each healthcare user and each event. Where more than 3 ethnic group codes are reported, the Statistics NZ prioritisation algorithm is used to report only 3 values.

Ethnic codes are ranked on the Ethnic code table from '1' (highest priority) to '21' (lowest priority), with '99' for not stated. Prioritised ethnicity is the healthcare user's ethnic code with the highest priority.

Prioritising ethnic codes simplifies analysis.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Prioritised ethnicity field.

Related data: Ethnic group codes

Administrative attributes

Source document:

Source organisation: Statistics NZ, modified by the National Data Policy Group

Sex

Administrative status

Reference ID: A0028

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Sex

Name in database: gender_code

Other names: Sex type code

Element type: Data element

Definition: The individual's biological sex.

Context: Required for demographic analyses.

Relational and representational attributes

Data type: char **Field size:** 1 **Layout:** A

Data domain:

M	Male
F	Female
U	Unknown
I	Indeterminate

Guide for use: Extracted from the NHI database during the NBRS load process, based on NHI number.

Added to the NBRS on 1 March 2002.

The term sex refers to the biological differences between males and females, while the term gender refers to a person's cultural role (masculine or feminine).

Information collection for transsexuals and people with transgender issues should be treated in the same manner. To avoid problems with edits, transsexuals undergoing a sex change operation should have their sex at time of hospital admission reported.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Sex field.

Related data:

Administrative attributes

Source document:

Source organisation:

Staged/planned procedure flag

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Staged/planned procedure flag

Name in database: staged_planned_procedure_flag

Other names:

Element type: Data element

Definition: A flag indicating whether the procedure is staged, planned or normal.

Context:

Relational and representational attributes

Data type: char **Field size:** 1 **Layout:** N

Data domain:

1	Normal procedure
2	Staged procedure
3	Planned procedure

Guide for use: Staged procedures involve a series of operations at different times to complete treatment. The staged/planned procedure flag field is used so that this can be taken into account during statistical analysis.

The three flags include:
Normal - the default flag for procedures.

Staged - a Staged flag is applied to the second (and any subsequent) in a series of procedures that is required to complete the patient's treatment over a period of time e.g. months or years.

Planned - A Planned flag is attached to a patient's procedure when the timing of a single elective procedure is intentionally delayed for clinical reasons beyond six months from the decision to treat (but the timeframe for treatment is known).

Verification rules: Must be a valid code.

Collection method: Sourced from the NBRS Booking Entry table's Staged/planned procedure flag.

Related data:

Administrative attributes

Source document:

Source organisation:

Treatment facility

Administrative status

Reference ID:

Version: 1.0

Version date: 29-Apr-2003

Identifying and defining attributes

Name: Treatment facility

Name in database: treatment_facility_code

Other names:

Element type: Data element

Definition: A code that uniquely identifies a healthcare facility.

A healthcare facility is a place, which may be a permanent, temporary, or mobile structure, that healthcare users attend or are resident in for the primary purpose of receiving healthcare or disability support services. This definition excludes supervised hostels, halfway houses, staff residences, and rest homes where the rest home is the patient's usual place of residence.

Context: The facility where treatment was received.

Relational and representational attributes

Data type: char

Field size: 4

Layout: NNNN

Data domain: See the Facility code table on the NZHIS web site at <http://www.nzhis.govt.nz/documentation/codetables.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

Guide for use: This may be different from the Facility specified in the booking entry.

Should be read in combination with the Contract agency.

Verification rules:

Collection method: Sourced from the NBRS Booking Entry table's Treatment facility code field.

Related data:

Administrative attributes

Source document:

Source organisation:

KPI table

Table name:	KPI table		
Name in database:	kpi_dim	Version: 1.0	Version date: 02-May-2003
Definition:	Holds attributes for each Key Performance Indicator (KPI).		
Guide for Use:	Reference table.		
	KPIs measure the performance of elective services provision. KPI data is held in the Booking KPI table and the Booking Snapshot table.		
Primary Key:	kpi_dim_key		
Business Key:	kpi_statistic_id		
Relational Rules:			

KPI add data flag

Administrative status

Reference ID:	Version: 1.0	Version date: 02-May-2003
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Identifying and defining attributes

Name:	KPI add data flag		
Name in database:	kpi_add_missing_valid_flag		
Other names:			
Element type:	Data element		
Definition:	Indicates whether an empty record should be created for the KPI for months when data is not provided or is missing.		
Context:			

Relational and representational attributes

Data type:	varchar	Field size: 1	Layout:
Data domain:	Y N		
Guide for use:	If data is not provided for this statistic (or is not provided yet), this flag indicates whether or not an empty record must be created for the purposes of reporting.		
Verification rules:			
Collection method:			
Related data:			

Administrative attributes

Source document:	
Source organisation:	

KPI description

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI description

Name in database: kpi_description

Other names:

Element type: Data element

Definition: A description of the key performance indicator.

Context:

Relational and representational attributes

Data type: varchar **Field size:** 250 **Layout:**

Data domain: Free text

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI enabled flag

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI enabled flag

Name in database: kpi_enabled_flag

Other names:

Element type: Data element

Definition: Indicates whether the key performance indicator is being actively refreshed.

Context:

Relational and representational attributes

Data type: varchar **Field size:** 1 **Layout:**

Data domain: Y
N

Guide for use: If statistics for a KPI are not currently required, the KPI can be disabled by setting this flag to 'N'.

Verification rules:

Collection method:

Related data: KPI statistic ID

Administrative attributes

Source document:

Source organisation:

KPI load program

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI load program

Name in database: kpi_load_program

Other names:

Element type: Data element

Definition: The name of the stored procedure that drives the load of the KPI statistic ID.

Context:

Relational and representational attributes

Data type: varchar

Field size: 30

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data: KPI statistic ID

Administrative attributes

Source document:

Source organisation:

KPI load sub-program

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI load sub-program

Name in database: kpi_load_sub_program

Other names:

Element type: Data element

Definition: The name of the stored procedure that is used to calculate/load the KPI value.

Context:

Relational and representational attributes

Data type: varchar

Field size: 30

Layout:

Data domain:

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI processing sequence

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI processing sequence

Name in database: kpi_processing_sequence

Other names:

Element type: Data element

Definition: The sequence number indicating the order in which the key performance indicator should be processed.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use: Only populated on KPIs that are required to be loaded before other KPIs.

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI statistic ID

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI statistic ID

Name in database: kpi_statistic_id

Other names: Statistic_id (in Booking KPI Reject table)

Element type: Data element

Definition: The key performance indicator's business identifier.

Context:

Relational and representational attributes

Data type: smallint

Field size: 2

Layout:

Data domain:

Guide for use: Each Specialty is associated with several KPIs.

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI statistic source

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI statistic source

Name in database: kpi_source

Other names:

Element type: Data element

Definition: Where the data for the key performance indicator statistics originates.

Context:

Relational and representational attributes

Data type: varchar **Field size:** 30 **Layout:**

Data domain: Booking Snapshot
NBRSQR

Guide for use:

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

KPI type

Administrative status

Reference ID:

Version: 1.0

Version date: 02-May-2003

Identifying and defining attributes

Name: KPI type

Name in database: kpi_indicator_type

Other names:

Element type: Data element

Definition: Indicates whether the key performance indicator value is numeric, textual or a date.

Context:

Relational and representational attributes

Data type: varchar **Field size:** 10 **Layout:**

Data domain: Numeric
Text
Date

Guide for use: KPI type indicates the Booking KPI field in which the value will be stored (KPI calculated value, KPI date value, or KPI textual value).

Verification rules:

Collection method:

Related data:

Administrative attributes

Source document:

Source organisation:

Appendix A: Data Dictionary Template

Introduction	This appendix explains how data element attributes are organised in the data dictionary template.
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Order of elements	Within the dictionary, elements are organised by table, and then alphabetically. An alphabetical index at the back of the data dictionary is provided to assist the user in finding specific elements.
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Template	This table explains the template.
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<i>Administrative status</i>	The operational status (eg, CURRENT, SUPERSEDED) of the data element. No SUPERSEDED data elements will be included in the Dictionaries.
<i>Reference ID</i>	A code that uniquely identifies the data element. If the data element is used in more than one collection, it should retain its Reference ID wherever it appears.
<i>Version number</i>	<p>A version number for each data element. A new version number is allocated to a data element/concept when changes have been made to one or more of the following attributes of the definition:</p> <ul style="list-style-type: none"> – name – definition – data domain, eg, adding a new value to the field. <p>Elements with frequently updated code tables, such as the Facility code table, will not be assigned a new version for changes to data domain.</p>
<i>Version date</i>	The date the new version number was assigned.

Identifying and defining attributes

<i>Name</i>	A single or multi-word designation assigned to a data element. This appears in the heading for each unique data definition in the Dictionaries. Previous names for the data element are included in the Guide for Use section.
<i>Data element type</i>	<p>DATA ELEMENT—a unit of data for which the definition, identification, representation and permissible values are specified by means of a set of attributes.</p> <p>DERIVED DATA ELEMENT—a data element whose values are derived by calculation from the values of other data elements.</p> <p>COMPOSITE DATA ELEMENT—a data element whose values represent a grouping of the values of other data elements in a specified order.</p>
<i>Definition</i>	A statement that expresses the essential nature of a data element and its differentiation from all other data elements.
<i>Context (optional)</i>	A designation or description of the application environment or discipline in which a name is applied or from which it originates. This attribute may also include the justification for collecting the items and uses of the information.

Relational and representational attributes

Data type	The type of field in which a data element is held. For example, character, integer, or numeric.
Field size	The maximum number of storage units (of the corresponding data type) to represent the data element value. Field size does not generally include characters used to mark logical separations of values, eg, commas, hyphens or slashes.
Layout	The representational layout of characters in data element values expressed by a character string representation. For example: <ul style="list-style-type: none"> - 'CCYYMMDD' for calendar date - 'N' for a one-digit numeric field - 'A' for a one-character field - 'X' for a field that can hold either a character or a digit, and - '\$\$\$,\$\$\$,\$\$\$' for data elements about expenditure.
Data domain	The permissible values for the data element. The set of values can be listed or specified by referring to a code table or code tables, for example, ICD-10-AM 2nd Edition.
Guide for use (optional)	Additional comments or advice on the interpretation or application of the data element (this attribute has no direct counterpart in the ISO/IEC Standard 11179 but has been included to assist in clarification of issues relating to the classification of data elements). Includes historical information, advice regarding data quality, and alternative names for this data element.
Verification rules (optional)	The rules and/or instructions applied for validating and/or verifying elements, in addition to the formal edits.
Collection methods – Guide for providers (optional)	Comments and advice concerning the capture of data for the particular data element, including guidelines on the design of questions for use in collecting information, and treatment of 'not stated' or non-response (this attribute is not specified in the ISO/IEC Standard 11179 but has been added to cover important issues about the actual collection of data).
Related data (optional)	A reference between the data element and any related data element in the Dictionary, including the type of this relationship. Examples include: 'has been superseded by the data element...', 'is calculated using the data element...', and 'supplements the data element...'.
Administrative attributes	
Source document (optional)	The document from which definitional or representational attributes originate.
Source organisation (if available)	The organisation responsible for the source document and/or the development of the data definition (this attribute is not specified in the ISO/IEC Standard 11179 but has been added for completeness). The source organisation is not necessarily the organisation responsible for the ongoing development/maintenance of the data element definition. An example of a source organisation is the National Data Policy Group (NDPG).

Appendix B: Glossary

Note:

See *Appendix B: Glossary* in separate document.

Appendix C: Collection of Ethnicity Data

Introduction

Information about ethnicity is used extensively in formulating and monitoring health policies and measuring health outcomes. Rates of hospitalisation are calculated for ethnic groups by comparing population data from Statistics New Zealand (as the denominator) with the hospitalisation data from the NMDS. It is crucial that the information reported is accurate.

What is ethnicity

The term “ethnic group” is defined as “a group of people who have culture, language, history or traditions in common.” It is important to appreciate that ethnicity is not the same as race or ancestry.

The codes used to report ethnicity to the NMDS are taken from the Statistics New Zealand Standard Classification of Ethnicity. This classification is very detailed. The information reported to the NMDS is the 2-digit level of this classification.

Prioritisation of ethnicity

Each of the 22 ethnic group codes is prioritised using the mappings in the table below.

Ethnic Group code	Ethnic Group code description	Priority for multiple ethnic group reporting
10	European not further defined	20
11	NZ European	21
12	Other European	19
21	NZ Maori	1
30	Pacific Island not further defined	9
31	Samoan	7
32	Cook Island Maori	6
33	Tongan	5
34	Niuean	4
35	Tokelauan	2
36	Fijian	3
37	Other Pacific Island	8
40	Asian not further defined	14
41	South East Asian	10
42	Chinese	12
43	Indian	11
44	Other Asian	13
51	Middle Eastern	17
52	Latin American / Hispanic	15
53	African	16
54	Other	18
99	Not stated	99

Use and collection of data

It is very important that the ethnicity data collected in hospitals is collected in the same way as the data in the census. Therefore, the question is the same as the 2001 census, and patients need to complete this.



Reporting

The collection of ethnicity data has always been problematic because of the reluctance of some data providers to collect the information, the unwillingness of some healthcare users to label themselves, and the confusion between ethnicity, nationality, citizenship, and biological heritage. Ten percent or more of all public hospital discharges record ethnicity as “Other” or “Not stated”, and this obviously has the potential to skew reported rates of hospitalisation and affect health policy.

Some hospitals have reported that their coders find it difficult to choose the correct 2-digit code when patients report their ethnicity as “Other” on the census question form. The table given here is provided to assist with this process.

NZHS Ethnicity code	Country of Ethnicity Affiliation
37	Admiralty Islander
44	Afghani
53	African American
53	African nfd
32	Aitutaki Islander
12	Albanian
51	Algerian
12	American (US)
51	Arab
52	Argentinian
12	Armenian
40	Asian nfd
51	Assyrian
32	Atiu Islander

NZHS Ethnicity code	Country of Ethnicity Affiliation
37	Austral Islander
12	Australian
37	Australian Aboriginal
12	Austrian
44	Bangladeshi
37	Belau/Palau Islander
12	Belgian
43	Bengali
37	Bismark Archipelagoan
53	Black
52	Bolivian
37	Bougainvillean
52	Brazilian
12	British nec

NZHS Ethnicity code	Country of Ethnicity Affiliation
12	British nfd
12	Bulgarian
12	Burgher
41	Burmese
12	Byelorussian
12	Canadian
37	Caroline Islander
12	Celtic
54	Central American Indian
12	Channel Islander
52	Chilean
42	Chinese nec
42	Chinese nfd
52	Colombian
32	Cook Island Maori nfd
12	Cornish
12	Corsican
52	Costa Rican
52	Creole (Latin America)
53	Creole (US)
12	Croat/Croatian
12	Cypriot nfd
12	Czech
12	Dalmatian
12	Danish
12	Dutch/Netherlands
37	Easter Islander
52	Ecuadorian
51	Egyptian
12	English
12	Estonian
10	European nfd
12	Falkland Islander/Kelper
36	Fijian (except Fiji Indian/ Indo-Fijian)
43	Fijian Indian/Indo-Fijian
41	Filipino
12	Finnish
12	Flemish
12	French
12	Gaelic
37	Gambier Islander
12	German
12	Greek (incl Greek Cypriot)

NZHS Ethnicity code	Country of Ethnicity Affiliation
12	Greenlander
37	Guadalcanalian
37	Guam Islander/Chamorro
52	Guatemalan
43	Gujarati
52	Guyanese
37	Hawaiian
52	Honduran
42	Hong Kong Chinese
12	Hungarian
12	Icelander
37	I-Kiribati/Gilbertese
43	Indian nec
43	Indian nfd
41	Indonesian (incl Javanese/ Sundanese/Sumatran)
54	Inuit/Eskimo
51	Iranian/Persian
51	Iraqi
12	Irish
51	Israeli/Jewish/Hebrew
12	Italian
53	Jamaican
44	Japanese
51	Jordanian
42	Kampuchean Chinese
37	Kanaka/Kanak
53	Kenyan
41	Khmer/Kampuchean/ Cambodian
44	Korean
51	Kurd
41	Lao/Laotian
52	Latin American/Hispanic nec
52	Latin American/Hispanic nfd
12	Latvian
51	Lebanese
51	Libyan
12	Lithuanian
12	Macedonian
37	Malaitian
41	Malay/Malayan
42	Malaysian Chinese
12	Maltese

NZHS Ethnicity code	Country of Ethnicity Affiliation
52	Malvinian (Spanish-speaking Falkland Islander)
32	Mangaia Islander
32	Manihiki Islander
37	Manus Islander
12	Manx
37	Marianas Islander
37	Marquesas Islander
37	Marshall Islander
32	Mauke Islander
54	Mauritian
52	Mexican
51	Middle Eastern nec
51	Middle Eastern nfd
32	Mitiamo Islander
51	Moroccan
37	Nauru Islander
44	Nepalese
37	New Britain Islander
12	New Caledonian
37	New Georgian
37	New Irelander
11	New Zealand European
21	New Zealand Maori
52	Nicaraguan
53	Nigerian
34	Niuean
54	North American Indian
12	Norwegian
99	Not Specified
37	Ocean Islander/Banaban
51	Omani
12	Orkney Islander
53	Other African nec
44	Other Asian nec
12	Other European
54	Other nec
54	Other nfd
37	Other Pacific Island Groups nfd
37	Other Pacific Island nec
41	Other Southeast Asian nec
30	Pacific Island nfd
44	Pakistani
51	Palestinian

NZHS Ethnicity code	Country of Ethnicity Affiliation
32	Palmerston Islander
52	Panamanian
37	Papuan/New Guinean/Irian Jayan
52	Paraguayan
32	Penrhyn Islander
52	Peruvian
37	Phoenix Islander
37	Pitcairn Islander
12	Polish
12	Portuguese
52	Puerto Rican
32	Pukapuka Islander
43	Punjabi
32	Rakahanga Islander
32	Rarotongan
12	Romanian/Rumanian
12	Romany/Gypsy
37	Rotuman/Rotuman Islander
12	Russian
31	Samoan
37	Santa Cruz Islander
12	Sardinian
12	Scottish (Scots)
12	Serb/Serbian
54	Seychelles Islander
12	Shetland Islander
43	Sikh
42	Singaporean Chinese
44	Sinhalese
12	Slavic/Slav
12	Slovak
12	Slovene/Slovenian
37	Society Islander (including Tahitian)
37	Solomon Islander
53	Somali
12	South African
54	South American Indian
12	South Slav (formerly Yugoslav groups) nfd
12	South Slav (formerly Yugoslav) nec
41	Southeast Asian nfd
12	Spanish

NZHS Ethnicity code	Country of Ethnicity Affiliation
44	Sri Lankan nec
44	Sri Lankan nfd
44	Sri Lankan Tamil
12	Swedish
12	Swiss
51	Syrian
42	Taiwanese Chinese
37	Tahitian (including Society Islander)
43	Tamil
41	Thai/Tai/Siamese
44	Tibetan
35	Tokelauan
33	Tongan
37	Torres Strait Islander/Thursday Islander
37	Tuamotu Islander
51	Tunisian
51	Turkish (incl Turkish Cypriot)
37	Tuvalu Islander/Ellice Islander
53	Ugandan
12	Ukrainian
52	Uruguayan
37	Vanuatu Islander/New Hebridean
52	Venezuelan
41	Vietnamese
42	Vietnamese Chinese
37	Wake Islander
37	Wallis Islander
12	Welsh
53	West Indian/Caribbean
37	Yap Islander
51	Yemeni

nfd = Not further defined

nec = Not elsewhere classified

Appendix D: Valid Status Code Table

Booking Event Type	Book (01)	Give Certainty (02)	Active Review (04)	Defer (05)	Re-Book (06)	Reassess (07)	Electively Treated (20) Exit code '01'	All Other Exits (20) All other exit codes	Change Data	Delete	Erase (99)
Non existent	Booked	Given Certainty	Active Review	Deferred	<i>Error</i>	<i>Error</i>	Treated	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>
Booked (01)	Booked <i>Warning</i>	Given Certainty <i>Warning</i>	Active Review <i>Warning</i>	Deferred	Rebook-ed	Booked	Treated	Exited	Booked	non-existent or previous state	erased
Rebooked (06)	Booked <i>Warning</i>	Given Certainty <i>Warning</i>	Active Review <i>Warning</i>	Deferred	Rebook-ed	Rebook-ed	Treated	Exited	Rebook-ed	non-existent or previous state	erased
Deferred (05)	Booked	Given Certainty <i>Warning (if deferred by hospital)</i>	Active Review <i>Warning (if deferred by hospital)</i>	Deferred	Rebook-ed <i>Warning (should use Book)</i>	Deferred	Treated <i>Warning</i>	Exited	Deferred	non-existent or previous state	erased
Given Certainty (02)	Booked	Given Certainty <i>Warning</i>	Active Review <i>Warning</i>	Deferred	<i>Error</i>	Given Certainty	Treated <i>Warning</i>	Exited	Given Certainty	non-existent or previous state	erased
Waiting (03)	Booked	Given Certainty	Active Review <i>Warning</i>	Deferred	<i>Error</i>	Waiting	<i>Error</i>	Exited	Waiting	non-existent or previous state	erased
Waiting (03) will be discontinued from 1 July 2006 and records containing this value will no longer be accepted											
Active Review (04)	Booked	Given Certainty	Active Review <i>Warning</i>	Deferred	<i>Error</i>	Active Review	Treated <i>Warning</i>	Exited	Active Review	non-existent or previous state	erased
Exited (20)	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>	<i>Error</i>	non-existent or previous state	erased

Appendix E: Logical Groups of Elements

Healthcare User

Date of birth
 Encrypted NHI number
 Ethnic group codes
 Prioritised ethnicity
 Sex

Diagnosis

Clinical code
 Clinical code type
 Clinical coding system ID

KPI Attributes

KPI add data flag
 KPI calculated value
 KPI date value
 KPI description
 KPI enabled flag
 KPI load program
 KPI load sub-program
 KPI processing sequence
 KPI statistic ID
 KPI statistic source
 KPI textual value
 KPI type

Administration

Agency code
 Booked procedure
 Contract agency
 Facility code
 Health specialty code
 Principal health service purchaser
 Staged/planned procedure flag

Referral

Booking referral source
 Date of referral
 Days between referral and first priority assessment

Entry

Date of entry
 Entry booking status code
 Local booking system entry ID

In System

Current booking status code
 Date certainty given
 Days since first priority assessment
 Days since given certainty
 Days since last review in active review
 Days waiting
 Deferred by healthcare user
 Deferred by hospital
 First active review date
 First booking date
 First clinical responsibility code
 First priority assessment date
 First priority score
 First priority scoring system
 First professional group code
 First rebooking date
 First residual wait list date
 First scheduled date
 Latest active review date
 Latest booking date
 Latest clinical responsibility code
 Latest deferred by code
 Latest deferred date
 Latest priority assessment date
 Latest priority score
 Latest priority scoring system
 Latest professional group code
 Latest residual wait list date
 Latest scheduled date
 Number of active review events
 Number of assessment events
 Number of booking events deferred
 Number of deferral events
 Number of exit events
 Number of given certainty events
 Number of rebooked events
 Number of residual wait list events
 Previous booking status code

Exit

Date exit category assigned
 Exit category
 Treatment facility

Appendix F: Code Table Index

Code table	Location
Agency code table	See the NZHIS web site.
Booked Procedure code table	See the NZHIS web site.
Booking Status code table	See <i>Current booking status code</i> on page 12, <i>Entry booking status code</i> on page 26, and <i>Previous booking status code</i> on page 61.
Clinical code table	See the NZHIS web site.
Clinical Code Table Type code table	See <i>Clinical code type</i> on page 9.
Clinical Coding System code table	See <i>Clinical coding system ID</i> on page 10.
CPAC Scoring code table	See the NZHIS web site.
Ethnic code table	See <i>Ethnic group codes</i> on page 27.
Exit Category code table	See <i>Exit category</i> on page 28.
Facility code table	See the NZHIS web site.
Gender code table	See <i>Sex</i> on page 65.
Professional Group code table	See the NZHIS web site.
Purchaser code table	See <i>Principal health service purchaser</i> on page 62.
Specialty code table	See the NZHIS web site.

Code tables on web site For code tables on the NZHIS web site go to <http://www.nzhis.govt.nz/documentation/index.html>. For further information or a printed copy of the code table, contact the Publications Officer. Contact details are given at the front of this dictionary.

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