****National Booking Reporting System (NBRS)****

Data Dictionary

|  |  |
| --- | --- |
| **Version** | 4.6 |
| **Date** | 1 July 2023 |
| **Owner** | Te Whatu Ora  |
| **Status**  | Final |

Citation: Data and Digital Directorate 2023. National Booking Reporting System Data Dictionary. Wellington: Te Whatu Ora.

Published in 2023 by the
Te Whatu Ora
PO Box 793, Wellington 6140, New Zealand

This document is available on the website of Te Whatu Ora
[www.tewhatuora.govt.nz](http://www.tewhatuora.govt.nz)



**Reproduction of material**

Te Whatu Ora permits the reproduction of material from this publication without prior notification, providing all the following conditions are met: the information must not be used for commercial gain, must not be distorted or changed, and Te Whatu Ora must be acknowledged as the source.

**Disclaimer**

Te Whatu Ora gives no indemnity as to the correctness of the information or data supplied. Te Whatu Ora shall not be liable for any loss or damage arising directly or indirectly from the supply of this publication.

All care has been taken in the preparation of this publication. The data presented was deemed to be accurate at the time of publication but may be subject to change. It is advisable to check for updates to this publication on the website of Te Whatu Ora at [www.tewhatuora.govt.nz](http://www.tewhatuora.govt.nz).

**Publications**

A complete list of Te Whatu Ora publications is available from Te Whatu Ora, PO Box 793, Wellington, or on the web site at [www.tewhatuora.govt.nz/publications](http://www.tewhatuora.govt.nz/publications)

Any enquiries about or comments on this publication should be directed to:

Data Services

Te Whatu Ora

PO Box 793

Wellington

Phone: (04) 922 1800

Email: data-enquiries@health.govt.nz

**Table of contents**

[Introduction 6](#_Toc383524433)

[National Booking Reporting System (NBRS) 7](#_Toc383524434)

[Booking Entry Assessment table 9](#_Toc383524435)

[Agency code 10](#_Toc383524436)

[Assessment local identifier 11](#_Toc383524437)

[Assessor code 12](#_Toc383524438)

[Assessor group code 13](#_Toc383524439)

[CPAC assessment date 14](#_Toc383524440)

[CPAC score 15](#_Toc383524441)

[CPAC scoring system identifier 16](#_Toc383524442)

[Date loaded 17](#_Toc383524443)

[Domicile code 18](#_Toc383524444)

[Facility code 19](#_Toc383524445)

[File name 20](#_Toc383524446)

[Local booking system entry identifier 21](#_Toc383524447)

[Booking Entry Event table 22](#_Toc383524448)

[Agency code 23](#_Toc383524449)

[Booking status code 24](#_Toc383524450)

[Booking status date 25](#_Toc383524451)

[Clinical responsibility code 26](#_Toc383524452)

[Date booked for treatment or diagnostic test 27](#_Toc383524453)

[Date booking was made 28](#_Toc383524454)

[Date certainty given 29](#_Toc383524455)

[Date loaded 30](#_Toc383524456)

[Deferred by 31](#_Toc383524457)

[Domicile code 32](#_Toc383524458)

[Event local ID 33](#_Toc383524459)

[Facility code 34](#_Toc383524460)

[File name 35](#_Toc383524461)

[Local booking system entry identifier 36](#_Toc383524462)

[Professional group code 37](#_Toc383524463)

[Booking Entry table 39](#_Toc383524464)

[Agency code 40](#_Toc383524465)

[Booked procedure 41](#_Toc383524466)

[Booking source 42](#_Toc383524467)

[Client system identifier 43](#_Toc383524468)

[Clinical code 44](#_Toc383524469)

[Clinical code type 46](#_Toc383524470)

[Clinical coding system ID 47](#_Toc383524471)

[Contract agency 48](#_Toc383524472)

[Current booking status code 49](#_Toc383524473)

[Current booking status date 50](#_Toc383524474)

[Date first specialist assessment 51](#_Toc383524475)

[Date of birth 52](#_Toc383524476)

[Date of exit category 53](#_Toc383524477)

[Date of referral 54](#_Toc383524478)

[Ethnic group codes 55](#_Toc383524479)

[Exit category 57](#_Toc383524480)

[Facility code 58](#_Toc383524481)

[File name 59](#_Toc383524482)

[Health specialty code 60](#_Toc383524483)

[Initial clinical responsibility code 62](#_Toc383524484)

[Local booking system entry identifier 63](#_Toc383524485)

[NHI number 64](#_Toc383524486)

[Principal health service purchaser 66](#_Toc383524487)

[Prioritised ethnicity 68](#_Toc383524488)

[Professional group code 69](#_Toc383524489)

[Sex 71](#_Toc383524490)

[Staged/planned procedure flag 72](#_Toc383524491)

[Treatment facility 74](#_Toc383524492)

[Appendix A: Data Dictionary Template 75](#_Toc383524493)

[Identifying and defining attributes 75](#_Toc383524494)

[Relational and representational attributes 76](#_Toc383524495)

[Appendix B: Glossary 78](#_Toc383524496)

[Appendix C: Valid Status Code Table 79](#_Toc383524497)

[Appendix D: Logical Groups of Elements 80](#_Toc383524498)

[Healthcare user 80](#_Toc383524499)

[Agency/facility 80](#_Toc383524500)

[Clinician 80](#_Toc383524501)

[Assessment 80](#_Toc383524502)

[Status / Date 80](#_Toc383524503)

[Diagnosis/procedure 80](#_Toc383524504)

[Appendix E: Code Table Index 82](#_Toc383524505)

[Code Tables on Website 82](#_Toc383524506)

# Introduction

|  |  |
| --- | --- |
| ***Basis*** | This revised dictionary builds on the information that was previously published each year in the National Booking Reporting System (NBRS) Data Dictionary. |
| ***Objectives*** | The objectives of Te Whatu Ora 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 Te Whatu Ora Data Dictionaries are data providers, software developers, and data users. |
| ***New format*** | All data element definitions in Te Whatu Ora Data Dictionariesare 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 website of Te Whatu Ora (for large or dynamic code tables).
 |

# **National Booking Reporting System (NBRS)**

|  |  |
| --- | --- |
| ***Scope*** | **Purpose**The National Booking Reporting System (NBRS) provides information by health speciality and booking status on how many patients are waiting for treatment, and also how long they have had to wait before receiving treatment.**Content**NBRS contains details of all booking status events involving a healthcare user who:* receives a priority for an elective medical or surgical service, and
* is likely to receive publicly funded treatment.

Information is collected about their date of entry into the system, their assessed priority, and their booking status. |
| ***Start date*** | Hospitals have been required to report data since 1 August 2000. |
| ***Guide for use*** | Booking status information can be linked by unique event identifier (Booking Entry ID) to the actual procedure when it is undertaken. Using this identifier, records in the NBRS may be linked to the NMDS, which contains data about inpatient and day patient events.  |
| ***Contact information*** | For further information about this collection or to request specific datasets or reports, contact Te Whatu Ora Analytical Services team on Phone: (04) 922 1800 or e-mail data-enquiries@health.govt.nz.or visit the website of Te Whatu Ora [www.tewhatuora.govt.nz](http://www.tewhatuora.govt.nz). Additional technical documentation including code tables can be found at [www.health.govt.nz/nz-health-statistics/data-references](http://www.health.govt.nz/nz-health-statistics/data-references) |
| ***Collection methods – guide for providers*** | Data is provided by public hospitals in New Zealand. |
| ***Frequency of updates*** | Monthly. |
| ***Security of data*** | The NBRS database is only accessed by authorised Te Whatu Ora staff for maintenance, data quality, analytical and audit purposes. Authorised members of Te Whatu Ora Elective Services Team 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*** | Te Whatu Ora 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 on the elective services web site [www.health.govt.nz/about-elective-services-patient-flow-indicators-espis](http://www.health.govt.nz/about-elective-services-patient-flow-indicators-espis) as part of the Elective Services Patient Flow Indicators (ESPIs), and regular data quality reconciliation reports are available to Districts.  |
| ***Data provision*** | Customised datasets or summary reports are available on request, either electronically or on paper. Staff from Te Whatu Ora Analytical Services team can help to define the specifications for a request and are familiar with the strengths and weaknesses of the data. Te Whatu Ora Analytical Services team also offers a peer review service to ensure that Te Whatu Ora data is reported appropriately when published by other organisations.There may be charges associated with data extracts. |

# Booking Entry Assessment table

***Table name:*** Booking Entry Assessment table

***Name in database:*** booking\_entry\_assessment\_tab ***Version:*** 1.2 ***Version date:*** 01-Nov-2005

***Definition:*** Holds all details about a healthcare user’s assessed priority, including Clinical Priority Assessment

 Criteria score and which CPAC system was used.

***Guide for Use:*** Populated with the initial submission, and any reassessments.

 Each booking entry may have many assessments and many events. An event indicates a change in

 status, an assessment records an assessment which may or may not change the score of the patient.

 Erasing a booking entry erases all the events and assessments for a booking entry and the booking

 entry itself. A delete deletes the last assessment or event whichever is the most recent.

 If there is only one status associated with the record, and a delete is sent, this acts as an erase.

 If there is a Booking Entry record, there must be a Booking Entry Assessment.

***Primary Key:*** Agency code

 Facility code

 Local booking system identifier

 CPAC assessment date

 Assessment local Identifier

***Business Key:***

***Relational Rules:***

## Agency code

**Administrative status**

***Reference ID:*** A0138 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Agency code

***Name in database:*** agency\_code

***Other names:*** Health agency code, District

***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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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).

 Between 1988 and 1993 the Agency code was assigned based on the original 1993 agency groupings.

 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 website of Te Whatu Ora at

 <http://www.health.govt.nz/nz-health-statistics/access-and-use>

.

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

***Collection***  This is a key field for allocating purchase units.

If agencies merge, a new code may be assigned or the new agency can negotiate with Te Whatu Ora to maintain the existing codes.

Te Whatu Ora allocates codes on request. The code table is continually updated by Te Whatu Ora

 as hospitals open and close. See the website of Te Whatu Ora for the most recent version.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Assessment local identifier

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Mar-2011

**Identifying and defining attributes**

***Name:*** Assessment local identifier

***Name in database:*** assessment\_local\_id

***Other names:***

***Element type:*** Data element

***Definition:***

***Context:***

**Relational and representational attributes** ***Mandatory***

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

***Data domain:***

***Guide for use:*** A count of the assessments for the healthcare user on a given day.

 Used to distinguish between multiple booking assessments on the same day for the same healthcare

 user.

***Verification rules:***

***Collection***  Not reported.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Assessor code

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jul-2008

**Identifying and defining attributes**

***Name:*** assessor\_code

***Name in database:*** assessor\_code

***Other names:***

***Element type:*** Data element

***Definition:*** The code for the clinician assessing the healthcare user.

***Context:*** Required for improved analysis of prioritisation process. Assessment of patient priority may be

 delegated to other health professionals, by the medical specialist having overall clinical responsibility for

 the patient.

**Relational and representational attributes**

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

***Data domain:***

***Guide for use:*** Assessor Codes have been submitted to NBRS from 1 July 2008.

***Verification rules:*** From 1 July 2008, mandatory for records where a CPAC Assessment Date on or after 1 July 2008 and

 where CPAC score has been submitted and the booking status code is one of the following:

 01 Book

 02 Give Certainty

 04 Active Review (not valid from 1 July 2022)

 05 Defer

 07 Reassess

 Must be supplied when Assessor Group Code is supplied.

***Collection***

***Related data:*** Assessor Group Code

**Administrative attributes**

***Source document:***

***Source organisation:***

## Assessor group code

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** assessor\_group\_code

***Name in database:*** assessor\_group\_code

***Other names:***

***Element type:*** Data element

***Definition:*** A code identifying the professional group or body that the assessor is registered with.

***Context:*** Required for improved analysis of prioritisation process. Assessment of patient priority may be

 delegated to other health professionals, by the medical specialist having overall clinical responsibility for

 the patient.

**Relational and representational attributes**

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

***Data domain:*** See the Professional Group Code table on the website of Te Whatu Ora. Refer to Appendix E for

 the Professional Group code set.

***Guide for use:*** Assessor Group Codes have been submitted to NBRS from 1 July 2008 where an assessment has occurred

 on or after 1 July 2008.

***Verification rules:*** Must be a valid code in the Professional Group Code table. Must be supplied when Assessor Code is

 supplied

***Collection***

***Related data:*** Assessor Code

**Administrative attributes**

***Source document:***

***Source organisation:***

## CPAC assessment date

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Mar-2004

**Identifying and defining attributes**

***Name:*** CPAC assessment date

***Name in database:*** cpac\_assessment\_date

***Other names:***

***Element type:*** Data element

***Definition:*** The date of the most recent CPAC assessment of the health event.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** Valid dates

***Guide for use:***

***Verification rules:*** Must be on or after the Date of first specialist assessment.

 Partial dates not allowed.

***Collection***

***Related data:*** CPAC Score

 CPAC Scoring System Identified

**Administrative attributes**

***Source document:***

***Source organisation:***

## CPAC score

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** CPAC score

***Name in database:*** cpac\_score

***Other names:***

***Element type:*** Data element

***Definition:*** The Clinical Priority Assessment Criteria score for the healthcare user.

***Context:***

**Relational and representational attributes**

***Data type:*** char ***Field size:*** 5 ***Layout:*** XXXXX

***Data domain:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** The priority score for the healthcare user using the notation appropriate for the prioritisation tool being

 used. Typically it is the number of points on a scale of 0 to 100, although some current local tools use

 level numbers (1 to 5) for degrees of urgency, while ERCP is, unusually, alphanumeric.

 One key threshold that is calculated by health specialty for each facility, and put into reports but not

 stored is the actual treatment threshold. It represents the 90th percentile score above which patients are

 treated. It is used to compare against the score at which District services plan to award certainty of status

 to patients.

***Verification rules:***

***Collection***  If prioritisation is not based on a national or nationally recognised scoring tool, details of the system and

 the facility must be recorded in the NBRS. For more information, contact data-enquiries@health.govt.nz.

***Related data:*** CPAC Assessment Date

 CPAC Scoring System Identified

**Administrative attributes**

***Source document:***

***Source organisation:***

## CPAC scoring system identifier

**Administrative status**

***Reference ID:*** ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** CPAC scoring system identifier

***Name in database:*** cpac\_scoring\_system\_code

***Other names:***

***Element type:*** Data element

***Definition:*** A code that identifies the prioritisation tool(s) being used by a particular Health Specialty.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** . Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** The code table includes which tools are registered for use by individual hospitals, including local, national

 or nationally recognised CPAC scoring tools.

 CPAC scoring systems may have ascending or descending ranges.

***Verification rules:*** Matches the code table identifier registered with Te Whatu Ora for the facility.

 Must be a valid code in the code table.

***Collection***  Eventually all facilities will be required to use the national or nationally recognised prioritisation tools.

***Related data:*** CPAC Assessment Date

 CPAC Score

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date loaded

**Administrative status**

***Reference ID:*** A0266 ***Version:*** 1.0 ***Version date:*** 26-Sep-2008

**Identifying and defining attributes**

***Name:*** Date loaded

***Name in database:*** date\_loaded

***Other names:***

***Element type:*** Derived data element

***Definition:*** Date that the record was loaded from a file, or first entered and saved.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** Valid dates

***Guide for use:*** For internal use only.

 Set to system date on load.

 This field was set to the system date for migrated data loaded into the new database.

***Verification rules:***

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:*** Te Whatu Ora

## Domicile code

**Administrative status**

***Reference ID:*** ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Domicile code

***Name in database:*** domicile\_code

***Other names:***

***Element type:*** Data element

***Definition:*** Statistics NZ Health Domicile Code representing a person’s usual residential address. Also used for

 facility addresses.

 Usual residential address is defined as the address of the dwelling where a person considers himself or

 herself to usually reside, except in the circumstances listed in the guidelines. The guidelines are available

 on the Department of Statistics’ website.

 If a person usually lives in a rest home or a hospital, that is considered their usual residential address.

***Context:*** Required for demographic analyses. Domicile codes are key variables for determining the

 characteristics of the population that are using the health sector.

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** Added to NBRS on 1 July 2008.

 From 1 July 2009 Domicile Code is mandatory for all booking events where a booking Status Date, CPAC

 Assessment Date or Exit Category Assigned Date is on or after 1 July 2009.

***Verification rules:*** Mandatory

 Must be a valid code in the Domicile code table.

***Collection***

***Related data:*** TLA of domicile

**Administrative attributes**

***Source document:***

***Source organisation:*** Statistics NZ

## Facility code

**Administrative status**

***Reference ID:*** A0143 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table, contact

Analytical Services. 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 website of Te Whatu Ora at

 <http://www.health.govt.nz/nz-health-statistics/access-and-use>

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

***Collection***  Te Whatu Ora allocates codes on request. The code table is continually updated by Te Whatu Ora as hospitals open and close. See the website of Te Whatu Ora for the most recent version.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## File name

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Mar-2011

**Identifying and defining attributes**

***Name:*** File name

***Name in database:*** file\_name

***Other names:***

***Element type:*** Data element

***Definition:*** Name of the file in which the record was submitted.

***Context:***

**Relational and representational attributes** ***Mandatory***

***Data type:*** char ***Field size:*** 12 ***Layout:*** AAANNNNN.EXT

***Data domain:*** The file naming convention used to supply batches consist of the following elements:

 • AAA – a three-letter acronym allocated to each sending agency by Te Whatu Ora

 • NNNNN – a sequential number to uniquely identify each batch: this increases incrementally by one,

 starting at 00001; no gaps are permitted in the sequence; separate sequence numbers are required by

 the compliance (CMPL) and production (PROD) environments

 • .EXT – a file extension allocated by Te Whatu Ora (‘.NBR’ for NBRS upload files, ‘.ndm’ for

 NMDS upload files)

***Guide for use:***

***Verification rules:*** Must exactly match the actual filename, including case. Should be all upper case.

***Collection***

***Related data:*** Date loaded

**Administrative attributes**

***Source document:***

***Source organisation:*** Te Whatu Ora

## Local booking system entry identifier

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Local booking system entry identifier

***Name in database:*** client\_booking\_entry\_id

***Other names:***

***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** ***Mandatory***

***Data type:*** char ***Field size:*** 14 ***Layout:*** XXXXXXXXXXXXXX

***Data domain:*** Free text

***Guide for use:***

***Verification rules:***

***Collection***  This is the unique event identifier within the provider's local system.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

# Booking Entry Event table

***Table name:*** Booking Entry Event table

***Name in database:*** booking\_entry\_event\_tab ***Version:*** 1.0 ***Version date:*** 30-Nov-2002

***Definition:*** Holds all status changes, so contains a history of the healthcare user’s movement through the system.

***Guide for Use:*** Populated with the initial submission, and any status updates.

 If there is a Booking Entry record, there must be a Booking Entry Event.

***Primary Key:*** Agency code,

 Facility code,

 Local booking system identifier,

 Booking status date,

 Event local ID.

***Business Key:***

***Relational Rules:***

## Agency code

**Administrative status**

***Reference ID:*** A0138 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Agency code

***Name in database:*** agency\_code

***Other names:*** Health agency code, District

***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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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).

 Between 1988 and 1993 the Agency code was assigned based on the original 1993 agency groupings.

 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 website of Te Whatu Ora at

 <http://www.health.govt.nz/nz-health-statistics/access-and-use>

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

***Collection***  This is a key field for allocating purchase units.

 If agencies merge, a new code may be assigned or the new agency can negotiate with Te Whatu Ora to maintain the existing codes.

 Te Whatu Ora allocates codes on request. The code table is continually updated by Te Whatu Ora as hospitals open and close. See the Te Whatu Ora website for the most recent version.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Booking status code

**Administrative status**

***Reference ID:*** ***Version:*** 3.6 ***Version date:*** 01-Feb-2011

**Identifying and defining attributes**

***Name:*** Booking status

***Name in database:*** booking\_status\_code (see Guide for use)

***Other names:*** Reported as booking\_status\_code.

***Element type:*** Data element

***Definition:*** The healthcareuser's current booking entry status.

***Context:*** Data is determined from the latest booking status information held in the database.

**Relational and representational attributes**

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

***Data domain:*** 01 Booked

 02 Given certainty

 04 Active review (not valid from 1 July 2022)

 05 Deferred

 06 Rebooked

 07 Reassess

 20 Exited

 Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** The booking status is given by the clinician.

 In the Booking Entry table, this field (current\_booking\_status\_code) contains the healthcare user's

 current booking status. In the Booking Event table, all historical and current statuses are recorded in this

 field (there called booking\_status\_code).

 See Appendix C: Valid Status code table.

***Verification rules:*** The Current booking status code - 03 Residual will be discontinued from 1 July 2006 and records

 containing this value will no longer be accepted

***Collection***

***Related data:*** Booking event

 Current Booking Status Date

**Administrative attributes**

***Source document:***

***Source organisation:***

## Booking status date

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Booking status date

***Name in database:*** booking\_status\_date

***Other names:***

***Element type:*** Data element

***Definition:*** Date of status change of booking system entry.

***Context:***

**Relational and representational attributes**

***Data type:*** datetime ***Field size:*** 12 ***Layout:***

***Data domain:*** Valid dates

***Guide for use:*** Paired with Booking Status Code.

***Verification rules:*** Must be after the Booking status date of any previous status change.

 Mandatory for all records except exit and reassess records, change data records and delete records.

 Partial Dates not allowed.

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Clinical responsibility code

**Administrative status**

***Reference ID:*** ***Version:*** 2.0 ***Version date:*** 01-Jul-2007

**Identifying and defining attributes**

***Name:*** Clinical responsibility code

***Name in database:*** clinical\_responsibility\_code

***Other names:***

***Element type:*** Data element

***Definition:*** This code identifies the clinician assuming clinical responsibility for a plan of care decision.

***Context:***

**Relational and representational attributes**

***Data type:*** varchar ***Field size:*** 10 ***Layout:*** See Collection method below.

***Data domain:***

***Guide for use:***

***Verification rules:*** Ignored where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.

 From 1 July 2007 mandatory for records where booking status code is one of the following:

 01 Book

 02 Give Certainty

 05 Defer

 06 ReBook

 07 ReAssess

 OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively

 Must be present if a value is present in the Professional group code.

***Collection***  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:*** Initial clinical responsibility code

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date booked for treatment or diagnostic test

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Date booked for treatment or diagnostic test

***Name in database:*** scheduled\_date

***Other names:*** Reported as treatment\_or\_test\_booked\_date.

***Element type:*** Data element

***Definition:*** The date that the healthcare user is booked/scheduled to receive treatment or diagnostic test.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** Valid dates

***Guide for use:*** Conditional on the type of event.

***Verification rules:*** Must be on or after the first CPAC assessment date and the Date booking was made.

 Partial dates not allowed.

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date booking was made

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Date booking was made

***Name in database:*** booking\_made\_date

***Other names:***

***Element type:*** Data element

***Definition:*** The date that the hospital sent or provided the healthcare user with firm advice about the date that they

 would receive publicly funded treatment or diagnostic test.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** Valid dates

***Guide for use:*** Conditional on the type of event.

***Verification rules:*** Must be on or after the first CPAC assessment date.

 Must be on or before the treatment or test booked date.

 Partial dates not allowed.

***Collection***

***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 the healthcare user with advice 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:*** Conditional on the type of event.

***Verification rules:*** Must be on or after the first CPAC assessment date.

***Collection***  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 where the healthcare user has not yet been given certainty.

 Partial dates not allowed.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date loaded

**Administrative status**

***Reference ID:*** A0266 ***Version:*** 1.0 ***Version date:*** 26-Sep-2008

**Identifying and defining attributes**

***Name:*** Date loaded

***Name in database:*** date\_loaded

***Other names:***

***Element type:*** Derived data element

***Definition:*** Date that the record was loaded from a file, or first entered and saved.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** Valid dates

***Guide for use:*** For internal use only.

 Set to system date on load.

 This field was set to the system date for migrated data loaded into the new database.

***Verification rules:***

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:*** Te Whatu Ora

## Deferred by

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Deferred by

***Name in database:*** deferred\_by\_code

***Other names:***

***Element type:*** Data element

***Definition:*** A code indicating who caused a deferral. A booking entry may be deferred by either the healthcare user

 or the hospital.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** 1 Deferred by healthcare user

 2 Deferred by hospital

***Guide for use:*** A booking entry may be deferred by either the healthcare user or the hospital.

***Verification rules:***

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Domicile code

**Administrative status**

***Reference ID:*** ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Domicile code

***Name in database:*** domicile\_code

***Other names:***

***Element type:*** Data element

***Definition:*** Statistics NZ Health Domicile Code representing a person’s usual residential address. Also used for

 facility addresses.

 Usual residential address is defined as the address at which the person has been, or plans to be, living

 for three months or more. (Statistics NZ definition of ‘usually resident’.)

 If a person usually lives in a rest home or a hospital, that is considered their usual residential address.

***Context:*** Required for demographic analyses. Domicile codes are key variables for determining the

 characteristics of the population that are using the health sector.

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** Added to NBRS on 1 July 2008. From 1 July 2009 Domicile Code is mandatory for all booking

 events where a booking Status Date, CPAC Assessment Date or Exit Category Assigned Date is on or

 after 1 July 2009.

***Verification rules:*** Mandatory

 Must be a valid code in the Domicile code table.

***Collection***

***Related data:*** TLA of domicile

**Administrative attributes**

***Source document:***

***Source organisation:*** Statistics NZ

## Event local ID

**Administrative status**

***Reference ID:*** A0156 ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Event local ID

***Name in database:*** event\_local\_id

***Other names:*** Reported as booking\_entry\_sequence.

***Element type:*** Data element

***Definition:*** Used to distinguish between multiple booking events for the same healthcare user on the same day.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** 00 to 99

***Guide for use:*** The Event local ID is a count of the status changes for a healthcare user on a given day.

***Verification rules:***

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Facility code

**Administrative status**

***Reference ID:*** A0143 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table, contact

Analytical Services. 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 Te Whatu Ora web site at

 <http://www.health.govt.nz/nz-health-statistics/access-and-use>

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

***Collection***  Te Whatu Ora allocates codes on request. The code table is continually updated by Te Whatu Ora

 as hospitals open and close. See the Te Whatu Ora website for the most recent version.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## File name

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Mar-2011

**Identifying and defining attributes**

***Name:*** File name

***Name in database:*** file\_name

***Other names:***

***Element type:*** Data element

***Definition:*** Name of the file in which the record was submitted.

***Context:***

**Relational and representational attributes** ***Mandatory***

***Data type:*** char ***Field size:*** 12 ***Layout:*** AAANNNNN.EXT

***Data domain:*** The file naming convention used to supply batches consist of the following elements:

 • AAA – a three-letter acronym allocated to each sending agency by Te Whatu Ora

 • NNNNN – a sequential number to uniquely identify each batch: this increases incrementally by one,

 starting at 00001; no gaps are permitted in the sequence; separate sequence numbers are required by

 the compliance (CMPL) and production (PROD) environments

 • .EXT – a file extension allocated by Te Whatu Ora (‘.NBR’ for NBRS upload files, ‘.ndm’ for

 NMDS upload files)

***Guide for use:***

***Verification rules:*** Must exactly match the actual filename, including case. Should be all upper case.

***Collection***

***Related data:*** Date loaded

**Administrative attributes**

***Source document:***

***Source organisation:*** Te Whatu Ora

## Local booking system entry identifier

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Local booking system entry identifier

***Name in database:*** client\_booking\_entry\_id

***Other names:***

***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** ***Mandatory***

***Data type:*** char ***Field size:*** 14 ***Layout:*** XXXXXXXXXXXXXX

***Data domain:*** Free text

***Guide for use:***

***Verification rules:***

***Collection***  This is the unique event identifier within the provider's local system.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Professional group code

**Administrative status**

***Reference ID:*** ***Version:*** 2.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Professional group code

***Name in database:*** professional\_group\_code

***Other names:***

***Element type:*** Data element

***Definition:*** A code identifying the professional group or body that the 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:*** AA

***Data domain:*** HB District Internal Value

 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 Entry Event table, any subsequent assessors are

 recorded.

 From 1 July 2007 Districts are able to place a code value 'HB' into the Professional Group Code signifying

 that the value in the Clinical Responsibility Code is a District identifier for the clinician (as opposed to

 another group’s identifier).

Other values in the code table remain inactive. Refer to Appendix E for this code set.

For further information or a printed copy of the code table, contact Analytical Services. Contact details are given at the front of this dictionary.

***Verification rules:*** Errored where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.

 From 1 July 2007 mandatory for records where booking status code is one of the following:

 - 01 Book

 - 02 Give Certainty

 - 04 Active Review (not valid from 1 July 2022)

 - 05 Defer

 - 06 ReBook

 - 07 ReAssess

 OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively

 Must be an active code in the code table.

 Must be present if a value is present in the Clinical responsibility code.

***Collection***

***Related data:*** Initial clinical responsibility code

**Administrative attributes**

***Source document:***

***Source organisation:***

# Booking Entry table

***Table name:*** Booking Entry table

***Name in database:*** booking\_entry\_tab ***Version:*** 1.2 ***Version date:*** 01-Nov-2005

***Definition:*** Holds demographic and procedure information, as well as the most recent booking status code.

***Guide for Use:*** Populated with the initial submission.

 There should be one Booking Entry record per healthcare user per procedure.

***Primary Key:*** Agency code

 Facility code

 Local booking system entry identifier

***Business Key:***

***Relational Rules:***

## Agency code

**Administrative status**

***Reference ID:*** A0138 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Agency code

***Name in database:*** agency\_code

***Other names:*** Health agency code, District

***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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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).

 Between 1988 and 1993 the Agency code was assigned based on the original 1993 agency groupings.

 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 Te Whatu Ora website at [www.tewhatuora.govt.nz](http://www.tewhatuora.govt.nz)

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

***Collection***  This is a key field for allocating purchase units.

 If agencies merge, a new code may be assigned or the new agency can negotiate with Te Whatu Ora

 to maintain the existing codes.

 Te Whatu Ora allocates codes on request. The code table is continually updated by Te Whatu Ora

 as hospitals open and close. See the Te Whatu Ora website for the most recent version.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Booked procedure

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**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:*** NN

***Data domain:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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***  This field is automatically generated via a mapping from the three Clinical Code fields combination.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Booking source

**Administrative status**

***Reference ID:*** ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Booking source

***Name in database:*** referral\_source\_code

***Other names:***

***Element type:*** Data element

***Definition:*** Booking source is the type of practitioner who makes the decision to add the patient to the national

 booking reporting system.

***Context:***

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** 1 Private specialist

 2 Public specialist

 3 Unknown

 4 Primary care provider

***Guide for use:*** Code '3' (Unknown) applies to original waiting list data loaded into the NBRS system in July 2000 and

 should not be used on new bookings.

 Code '4' (Primary care provider) was added in July 2010.

***Verification rules:***

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Client system identifier

**Administrative status**

***Reference ID:*** A0216 ***Version:*** 1.2 ***Version date:*** 01-Jul-2010

**Identifying and defining attributes**

***Name:*** Client system identifier

***Name in database:*** client\_system\_identifier

***Other names:*** Reported as local\_system\_health\_event\_id. Also known as Local system health event identifier, Local

 booking entry ID

***Element type:*** Data element

***Definition:*** An identifier for the corresponding record stored within the health provider’s system.

***Context:***

**Relational and representational attributes** ***Mandatory***

***Data type:*** varchar ***Field size:*** 14 ***Layout:*** Free text

***Data domain:***

***Guide for use:*** Te Whatu Ora wants to be able to link NNPAC, NBRS and NMDS events for the same patient using the

 identifier fields reported in each record. The related fields are:

 NMDS - PMS unique identifier

 NBRS - Client system identifier

 NNPAC - NMDS PMS unique identifier

 When a patient has been treated Te Whatu Ora wants to be able to link the NBRS booking with the event

 that records the actual procedure received. This treatment received would be submitted in NMDS or

 NNPAC. If the procedure was received as an inpatient then this field will contain the same value as the

 'PMS unique identifier' submitted on the NMDS record. Or if the procedure was received as an

 outpatient then this field will contain the same value as the 'NMDS PMS unique identifier' submitted on

 the NNPAC record.

***Verification rules:*** This field is mandatory when a booking entry is exited with Exit Category Code ‘11’ or ‘12’ and Date of

 Exit Category is on or after 1 July 2010.

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Clinical code

**Administrative status**

***Reference ID:*** A0124 ***Version:*** 1.4 ***Version date:*** 01-Jul-2019

**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

 Includes codes for cause of intentional and unintentional injury, underlying cause of death, operation or

 procedure performed or pathological nature of a tumour.

**Relational and representational attributes**

***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.

 - 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.

 - ICD-10-AM 6th Edition - The International Statistical Classification of Diseases and Related Health

 Problems, 10th Revision, Australian Modification, 6th Edition

 - ICD-10-AM 8th Edition – The International Statistical Classification of Diseases and Related Health

 Problems, 10th Revision, Australian Modification, 8th Edition

 - ICD-10-AM 11th Edition – The International Statistical Classification of Diseases and Related Health

 Problems, 10th Revision, Australian Modification, 11th Edition.

- ICD-10-AM 12th Edition – The International Statistical Classification of Diseases and Related Health

 Problems, 11th Revision, Australian Modification, 12th 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 submitted as ICD-9-CM-A, the Clinical code 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***  From ICD-10-AM 2nd Edition, procedures are NNNNNNN, and diagnoses and injuries are ANNNN.

 A combination of Clinical code, Clinical code type, and clinical coding system ID is required.

 Clinical codes should be submitted to the NBRS in ICD-10-AM 12th Edition. ICD-9-CM-A, ICD-10-AM 1st,

 2nd, 3rd, 6th, 8th and 11th Editions will still be accepted.

***Related data:*** Clinical Code type

 Clinical Coding System ID

**Administrative attributes**

***Source document:*** Refer to the Official NCCH Australian Version of ICD-9-CM-A, Second Edition, Volumes 1 to 4, and

 the International Classification of Diseases for Oncology (ICD-O) Version 2

 For ICD-10-AM, refer to ICD-10-AM, the International Statistical Classification of Diseases and

 Related Health Problems, 10th Revision, Australian Modification, 1st Edition (5 volumes), 2nd

Edition (5 volumes), 3rd Edition (5 volumes), 6th Edition (5 volumes), 8th Edition (5 volumes), 11th Edition (5 volumes) or 12th Edition (5 volumes).

***Source organisation:***

## Clinical code type

**Administrative status**

***Reference ID:*** A0125 ***Version:*** 1.2 ***Version date:*** 01-Jul-2010

**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**

***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 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:***

***Collection***  A combination of Clinical code, Clinical code type, and clinical coding system ID is required.

***Related data:*** Clinical coding system ID

 Clinical code

**Administrative attributes**

***Source document:***

***Source organisation:*** Te Whatu Ora

## Clinical coding system ID

**Administrative status**

***Reference ID:*** A0126 ***Version:*** 1.3 ***Version date:*** 01-Jul-2019

**Identifying and defining attributes**

***Name:*** Clinical coding system ID

***Name in database:*** clinical\_code\_system

***Other names:*** Clinical coding system

***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

 13 ICD-10-AM 6th Edition

 14 ICD-10-AM 8th Edition

 15 ICD-10-AM 11th Edition

 16 ICD-10-AM 12thEdition

***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***  A combination of Clinical code, Clinical code type, and clinical coding system ID is required.

***Related data:*** Clinical code

 Clinical code type

**Administrative attributes**

***Source document:***

***Source organisation:***

## Contract agency

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Contract agency

***Name in database:*** contract\_agency\_code

***Other names:***

***Element type:*** Data element

***Definition:*** A code used to identify the agency where treatment was provided. (This may be different from that of

 the booking entry.)

***Context:***

**Relational and representational attributes**

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

***Data domain:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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:*** Must be a valid code on the Agency Code Table

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Current booking status code

**Administrative status**

***Reference ID:*** ***Version:*** 3.6 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Booking status

***Name in database:*** current\_booking\_status\_code (see Guide for use)

***Other names:*** Reported as booking\_status\_code.

***Element type:*** Data element

***Definition:*** The healthcare user's current booking entry status.

***Context:*** Data is determined from the latest booking status information held in the database.

**Relational and representational attributes**

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

***Data domain:*** 01 Booked

 02 Given certainty

 04 Active review (not valid from 1 July 2022)

 05 Deferred

 06 Rebooked

 07 Reassess

 20 Exited

 Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** The booking status is given by the clinician.

 In the Booking Entry table, this field (current\_booking\_status\_code) contains the healthcare user's

 current booking status. In the Booking Event table, all historical and current statuses are recorded in this

 field (there called booking\_status\_code).

 See Appendix C: Valid Status code table.

***Verification rules:*** The Current booking status code - 03 Residual will be discontinued from 1 July 2006 and records

 containing this value will no longer be accepted

***Collection***

***Related data:*** Booking event

 Current Booking Status Date

**Administrative attributes**

***Source document:***

***Source organisation:***

## Current booking status date

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Jul-2005

**Identifying and defining attributes**

***Name:*** Current booking status date

***Name in database:*** current\_booking\_status\_date

***Other names:***

***Element type:*** Derived data element

***Definition:*** The date of status change of the booking system entry

***Context:***

**Relational and representational attributes**

***Data type:*** datetime ***Field size:*** 12 ***Layout:*** CCYYMMDD HH:MM AM

***Data domain:***

***Guide for use:***

***Verification rules:***

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date first specialist assessment

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Date first specialist assessment

***Name in database:*** first\_assessment\_date

***Other names:*** Date of first specialist assessment

***Element type:*** Data element

***Definition:*** The date of the first face to face specialist assessment that led to this booking event, including

 consultation with a specialist in private practice. Where no formal outpatient assessment has been

 provided, it may be the same date as the date of referral for specialist advice.

 It must be on or before the first CPAC Assessment Date.

***Context:*** Elective surgical events.

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** Valid dates

***Guide for use:*** Made mandatory 1 July 2009. Prior to that this field was optional and not reliably reported to the NBRS.

 Data is usually collected in the facility's outpatient system, and must be transferred to the inpatient

 record.

 If the booking source is 4 - Primary Care Provider, the date of referral should be submitted for this date.

***Verification rules:*** Mandatory for all booking events that are first loaded with an initial CPAC Assessment Date on or after

 July 2009.

 Must be on or before the first CPAC Assessment Date.

 Must be on or after the Date of referral.

 Partial dates not allowed.

***Collection***

***Related data:*** Booking source

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date of birth

**Administrative status**

***Reference ID:*** A0025 ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Date of birth

***Name in database:*** date\_of\_birth

***Other names:*** DOB, HCU date of birth, and Birth date

***Element type:*** Data element

***Definition:*** The date on which the person was born.

***Context:*** Required to derive age for demographic analyses.

**Relational and representational attributes**

***Data type:*** datetime ***Field size:*** ***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 load process, based on NHI number.

 Added to the NBRS on 1 March 2002.

 In 1993 the option to submit partial dates was introduced.

***Verification rules:***

***Collection***  Not reported.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date of exit category

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Jul-2010

**Identifying and defining attributes**

***Name:*** Date of exit category

***Name in database:*** exit\_category\_assigned\_date

***Other names:***

***Element type:*** Data element

***Definition:*** The date the exit category was assigned.

***Context:***

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** Valid dates

***Guide for use:*** The date to be used for each exit category is as follows:

 11 Patient received publicly funded elective treatment = Procedure date

 12 Patient received publicly funded acute treatment = Procedure date

 13 Patient returned to primary care = Date of letter sent to the GP returning the patient to their care

 14 Removed due to changed patient circumstance = Date the patient or their representative notified

 the hospital of the change

 15 Medically unfit for treatment = Date the patient is assessed as unfit

***Verification rules:*** Must be on or after the latest Booking status date of the booking system entry.

 Partial dates not allowed.

***Collection***

***Related data:*** Exit Category

**Administrative attributes**

***Source document:***

***Source organisation:***

## Date of referral

**Administrative status**

***Reference ID:*** A0153 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**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:*** Not reliably reported to the NBRS prior to 1 July 2010. Data was usually collected in the facility's

 outpatient system and was not transferred to the inpatient record.

***Verification rules:*** This field is mandatory when the NBRS booking is first loaded and initial CPAC Assessment Date is on

 or after 1 July 2010 and booking source is public specialist (2) or primary care provider (4).

 Amendment of an incorrect Date of Referral cannot be done using a change record. To correct it the

 booking entry must be erased and a new one submitted with the first event containing the correct referral

 date

 Date of referral must not be greater than 238 days before the date of birth.

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Ethnic group codes

**Administrative status**

***Reference ID:*** A0027,A0208,A0209 ***Version:*** 1.0 ***Version date:*** 01-Jan-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 (retired 01/07/2009)

 61 Other ethnicity

 94 Don't know

 95 Refused to answer

 97 Response unidentifiable

 99 Not stated

***Guide for use:*** - Extracted from the NHI database during the 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***  Not reported.

***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:*** 3.1 ***Version date:*** 01-Jul-2010

**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 CPAC assessment/booking event.

***Context:***

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** CURRENT

 11 Patient received publicly funded elective treatment

 12 Patient received publicly funded acute treatment

 13 Patient returned to primary care

 14 Removed due to changed patient circumstances

 15 Medically unfit for treatment

 XX Value not supplied (for non-exit booking events)

 RETIRED

 01 Treated electively (valid until Oct 31 2005)

 02 Deceased (valid until Oct 31 2005)

 03 Private treatment (valid until Oct 31 2005)

 04 Treated acutely (valid until Oct 31 2005)

 05 Removed from booking system for medical reasons (valid until Oct 31 2005)

 06 Discharge to GP (valid until Oct 31 2005)

 07 Treated other hospital (valid until Oct 31 2005)

 09 Other exit category (valid until Jun 30 2005)

 10 Discharge without treatment (valid until Oct 31 2005)

***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

 Exit category '15' is added from 1 July 2008

***Verification rules:*** Must be a valid exit category on the Exit Category Table.

***Collection***

***Related data:*** Date of Exit Category

**Administrative attributes**

***Source document:***

***Source organisation:***

## Facility code

**Administrative status**

***Reference ID:*** A0143 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table, contact

 Analytical Services. 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 Current Data Access Policy on the website of Te Whatu Ora at http://www.health.govt.nz/nz-health-statistics/access-and-use

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

***Collection***  Te Whatu Ora allocates codes on request. The code table is continually updated by Te Whatu Ora

 as hospitals open and close. See the website of Te Whatu Ora for the most recent version.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## File name

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Mar-2011

**Identifying and defining attributes**

***Name:*** File name

***Name in database:*** file\_name

***Other names:***

***Element type:*** Data element

***Definition:*** Name of the file in which the record was submitted.

***Context:***

**Relational and representational attributes** ***Mandatory***

***Data type:*** char ***Field size:*** 12 ***Layout:*** AAANNNNN.EXT

***Data domain:*** The file naming convention used to supply batches consist of the following elements:

 • AAA – a three-letter acronym allocated to each sending agency by Te Whatu Ora

 • NNNNN – a sequential number to uniquely identify each batch: this increases incrementally by one,

 starting at 00001; no gaps are permitted in the sequence; separate sequence numbers are required by

 the compliance (CMPL) and production (PROD) environments

 • .EXT – a file extension allocated by Te Whatu Ora (‘.NBR’ for NBRS upload files, ‘.ndm’ for

 NMDS upload files)

***Guide for use:***

***Verification rules:*** Must exactly match the actual filename, including case. Should be all upper case.

***Collection***

***Related data:*** Date loaded

**Administrative attributes**

***Source document:***

***Source organisation:*** Te Whatu Ora

## Health specialty code

**Administrative status**

***Reference ID:*** ***Version:*** 1.4 ***Version date:*** 15-Feb-2011

**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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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 Te Whatu Ora. 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.

 Health Specialty Codes must be supplied with a compatible CPAC Scoring System Code and

 compatible Clinical Code combination.

 From 1 July 2005, Events will be rejected where the Booking Status Date is after the Health Specialty

 Code’s end date.

 Validation was introduced on 1 July 2007 to reject events where the Booking Status Date is before the

 Health Specialty Code’s start date.

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Initial clinical responsibility code

**Administrative status**

***Reference ID:*** ***Version:*** 2.0 ***Version date:*** 01-Jul-2007

**Identifying and defining attributes**

***Name:*** Initial clinical responsibility code

***Name in database:*** initial\_clinical\_responsibility\_code

***Other names:*** Reported as clinical\_responsibility\_code.

***Element type:*** 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:*** char ***Field size:*** 10 ***Layout:*** See Collection method below.

***Data domain:***

***Guide for use:***

***Verification rules:*** Ignored where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.

 From 1 July 2007 mandatory for records where booking status code is one of the following:

 01 Book

 02 Give Certainty

 04 Active Review (not valid from 1 July 2022)

 05 Defer

 06 ReBook

 07 ReAssess

 OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively

 Must be present if a value is present in the Professional group code.

***Collection***  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

 Obtained from the initial booking record.

***Related data:*** Professional group code

 Clinical responsibility code

**Administrative attributes**

***Source document:***

***Source organisation:***

## Local booking system entry identifier

**Administrative status**

***Reference ID:*** ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Local booking system entry identifier

***Name in database:*** client\_booking\_entry\_id

***Other names:***

***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** ***Mandatory***

***Data type:*** char ***Field size:*** 14 ***Layout:*** XXXXXXXXXXXXXX

***Data domain:*** Free text

***Guide for use:***

***Verification rules:***

***Collection***  This is the unique event identifier within the provider's local system.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## NHI number

**Administrative status**

***Reference ID:*** A0012 ***Version:*** 1.2 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** NHI number

***Name in database:*** hcu\_id

***Other names:***

***Element type:*** Data element

***Definition:*** The NHI number is the cornerstone of Te Whatu Ora 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.

***Context:***

**Relational and representational attributes** ***Mandatory***

***Data type:*** char ***Field size:*** 7 ***Layout:*** AAANNNN

***Data domain:***

***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.

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

***Collection***  NHI numbers are often included on patient notes and other patient documentation. New numbers can be

 allocated by health providers who have direct access to the NHI Register. New NHI numbers are also

 allocated by Te Whatu Ora for GPs and other primary care providers.

***Related data:***

**Administrative attributes**

***Source document:*** <http://www.health.govt.nz/our-work/health-identity/national-health-index>

***Source organisation:*** Te Whatu Ora

## Principal health service purchaser

**Administrative status**

***Reference ID:*** A0203 ***Version:*** 1.2 ***Version date:*** 01-Jul-2007

**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:***

**Relational and representational attributes** ***Mandatory***

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

***Data domain:*** CURRENT

 06 Privately funded

 16 Independent Practice Association

 17 Accredited employer

 19 Overseas chargeable

 20 Overseas eligible

 34 MOH-funded purchases

 35 District-funded purchases

 55 Due to strike

 98 Mixed funding where no Te Whatu Ora, District or ACC purchase is involved, e.g., 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

 RETIRED

 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: use 'A0')

 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 Base purchase (retired 30 June 2007)

 14 HFA additional sustainable purchase (retired 30 June 2004)

 15 BreastScreen Aotearoa (retired 30 June 2009)

 18 District accident purchase - overseas patients, non-MVA, non-work-related (retired 30 June 2007)

***Guide for use:*** Introduced on 1 July 1995.

 From 1 July 1999, codes '01', '02', '03', and '04' were replaced by the code for base purchases ('13'),

 that is, the four Regional Health Authorities were integrated into one Health Funding Authority.

 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.

 From 1 July 2007, code ‘13’ Base Purchaser was retired and replaced with ‘34’ MOH-funded purchases

 and ‘35’ DISTRICT-funded purchases.

 'A1' to 'A7' codes are only for health events resulting from workplace accidents that occurred in the one

 year for which the Accident Insurance Act 1998 applied.

 From 1 July 2009, code ‘15’ BreastScreen Aoteroa was retired and replaced with ‘35’ District-funded

 purchases

***Verification rules:*** Mandatory. Must be a valid code (present and active) in the code table.

 From 1 July 2005, events will be rejected where the Booking Status Date is after the Purchaser

 Code’s end date.

 Validation was introduced on 1 July 2007 to reject events where the Booking Status Date is before the

 Purchaser Code’s start date.

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:*** National Data Policy Group

## Prioritised ethnicity

**Administrative status**

***Reference ID:*** A0321 ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Prioritised ethnicity

***Name in database:*** prioritised\_ethnicity

***Other names:*** Ethnicity

***Element type:*** Derived 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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. Contact details are given at the front of this dictionary.

***Guide for use:*** Extracted from the NHI database during the 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***  Not reported.

***Related data:***

**Administrative attributes**

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

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

## Professional group code

**Administrative status**

***Reference ID:*** ***Version:*** 2.1 ***Version date:*** 15-Feb-2011

**Identifying and defining attributes**

***Name:*** Professional group code

***Name in database:*** professional\_group\_code

***Other names:***

***Element type:*** Data element

***Definition:*** A code identifying the professional group or body that the 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:*** AA

***Data domain:*** HB District Health Board Internal Value

 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 Entry Event table, any subsequent assessors are

 recorded.

 From 1 July 2007 District’s are able to place a code value 'HB' into the Professional Group Code signifying

 that the value in the Clinical Responsibility Code is a District identifier for the clinician (as opposed to

 another group’s identifier).

Other values in the code table remain inactive. Refer to Appendix E for this code set. For further information or a printed copy of the code table, contact Analytical Services.

Contact details are given at the front of this dictionary

 .

***Verification rules:*** Error where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.

 From 1 July 2007 mandatory for records where booking status code is one of the following:

 - 01 Book

 - 02 Give Certainty

 - 04 Active Review (not valid from 1 July 2022)

 - 05 Defer

 - 06 ReBook

 - 07 ReAssess

 OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively

 Must be an active code in the code table.

 Must be present if a value is present in the Clinical responsibility code.

***Collection***

***Related data:*** Initial clinical responsibility code

**Administrative attributes**

***Source document:***

***Source organisation:***

## Sex

**Administrative status**

***Reference ID:*** A0028 ***Version:*** 1.0 ***Version date:*** 01-Jan-2003

**Identifying and defining attributes**

***Name:*** Sex

***Name in database:*** gender\_code

***Other names:*** Sex type code

***Element type:*** Data element

***Definition:*** The person'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 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***  Not reported.

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Staged/planned procedure flag

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 01-Jul-2010

**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 normal, staged, planned or surveillance.

***Context:***

**Relational and representational attributes**

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

***Data domain:*** 1 Normal procedure

 2 Staged procedure

 3 Planned procedure

 4 Surveillance procedure

***Guide for use:*** The staged/planned procedure flag field is used so that this can be taken into account during statistical

 analysis.

 The four flags include:

 Normal - the default flag for procedures.

 Staged - Staged procedures involve a series of operations at different times to complete treatment. 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).

 Surveillance - A Surveillance flag is attached to a patient’s procedure when the patient requires an

 ongoing series of routine surveillance procedures. The surveillance procedures are provided at regular

 (i.e. annual or longer) intervals to assess health status. Records reported with a code of surveillance will

 be excluded from ESPIs in the same way that other planned and staged records are excluded. The

 surveillance flag can be used for any patient with an assured status but not for Active Review status. (Active

 Review is not valid from1 July 2022).

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

***Collection***

***Related data:***

**Administrative attributes**

***Source document:***

***Source organisation:***

## Treatment facility

**Administrative status**

***Reference ID:*** ***Version:*** 1.1 ***Version date:*** 15-Feb-2011

**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:*** Refer to Appendix E for this code set. For further information or a printed copy of the code table,

 contact Analytical Services. 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:*** Must be a valid code on the Facility Code Table.

***Collection***

***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. |

|  |  |
| --- | --- |
| Order of elements | Within the dictionary, elements are organised by table, and then alphabetically. An alphabetical index is provided at the back of the data dictionary to assist the user in finding specific elements. |

|  |  |
| --- | --- |
| Template | This table explains the template. |

|  |  |
| --- | --- |
| ***Administrative status*** | The operational status (e.g., CURRENT, SUPERSEDED) of the data element. No SUPERSEDED data elements will be included in the Dictionaries. |
| ***Reference ID*** | 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. |
| ***Version number*** | 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:– name– definition– data domain, eg, adding a new value to the field.Elements with frequently updated code tables, such as the Facility code table, will not be assigned a new version for changes to data domain. |
| ***Version date*** | The date the new version number was assigned. |

Identifying and defining attributes

|  |  |
| --- | --- |
| ***Name*** | 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. |
| ***Data element type*** | DATA ELEMENT—a unit of data for which the definition, identification, representation and permissible values are specified by means of a set of attributes. DERIVED DATA ELEMENT—a data element whose values are derived by calculation from the values of other data elements. COMPOSITE DATA ELEMENT—a data element whose values represent a grouping of the values of other data elements in a specified order.  |
| ***Definition*** | A statement that expresses the essential nature of a data element and its differentiation from all other data elements. |
| ***Context (optional)*** | 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 layoutof characters in data element values expressed by a character string representation. For example:- ‘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 12th 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 the Te Whatu Ora website for *Appendix B: Glossary* <http://www.health.govt.nz/publication/appendix-b-glossary> |

Appendix C: Valid Status Code Table

| **Booking Event Type****Current Status** | **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 | GivenCertainty | Active Review | Deferred | *Error* | *Error* | Treated | *Error* | *Error* | *Error* | *Error* |
| **Booked (01)** | Booked*Warning* | Given Certainty*Warning* | Active Review | Deferred | Rebook-ed | Booked | Treated | Exited | Booked | non-existent orpreviousstate | erased |
| **Rebooked (06)** | Booked*Warning* | Given Certainty*Warning* | Active Review | Deferred | Rebook-ed | Rebook-ed | Treated | Exited | Rebook-ed | non-existent orpreviousstate | erased |
| **Deferred (05)** | Booked | Given Certainty*Warning**(if deferred by hospital)* | Active Review*Warning(if deferred by hospital)* | Deferred | Rebook-ed*Warning**(should use Book)* | Deferred | Treated*Warning* | Exited | Deferred | non-existent orpreviousstate | erased |
| **Given Certainty (02)** | Booked | Given CertaintyWarning | Active Review*Warning* | Deferred | *Error* | GivenCertainty | Treated*Warning* | Exited | Given Certainty | non-existent orpreviousstate | erased |
| **Waiting (03)**  | Booked | Given Certainty | Active Review*Warning* | Deferred | *Error* | Waiting | *Error* | Exited | Waiting | non-existent orpreviousstate | 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*Warning* | Deferred | *Error* | Active Review | Treated*Warning* | Exited | Active Review | non-existent orpreviousstate | erased |
| **Active** **Review (04)** will be discontinued from 1 July 2022 and records containing this value will no longer be accepted. |
| **Exited (20)** | *Error* | *Error* | *Error* | *Error* | *Error* | *Error* | *Error* | *Error* | *Error* | non-existent orprevious state | erased |

Appendix D: Logical Groups of Elements

Healthcare user

* Date of birth
* Domicile code
* Ethnic group codes
* NHI number
* Prioritised ethnicity
* Sex

Agency/facility

* Agency code
* Contract agency
* Facility code
* Principal health service purchaser
* Treatment facility

Clinician

* Clinical responsibility code
* Initial clinical responsibility code
* Professional group code

Assessment

* Assessment local identifier
* Assessor code
* Assessor group code
* Booking source
* CPAC assessment date
* CPAC score
* CPAC scoring system identifier
* Date first specialist consultation

Status / Date

* Booking status
* Booking status date
* Date booked for treatment or diagnostic test
* Date booking was made
* Date certainty given
* Date of exit category
* Date of referral
* Deferred by
* Exit category

Diagnosis/procedure

* Booked procedure
* Clinical code
* Clinical code type
* Clinical coding system ID
* Health specialty code
* Staged/planned procedure flag

Appendix E: Code Table Index

|  |  |
| --- | --- |
| **Code table** | **Location** |
| Agency code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/agency-code-table> |
| Assessor code table | See [*Assessor code*](#_Assessor_code)*.* |
| Assessor group code table | See [*Assessor group code*](#_Assessor_group_code). |
| Booked Procedure code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/booked-procedure-values-code-table> |
| Booking Source code table | See [*Booking source*](#_Booking_source)*.* |
| Booking Status code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/booking-status-code-table> |
| Clinical Code Type code table | See [*Clinical code type*](#_Clinical_code_type)*.*<http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/clinical-code-type> |
| Clinical Coding System code table | See [*Clinical coding system ID*](#_Clinical_coding_system).<http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/clinical-coding-system-code-table> |
| CPAC Score code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/cpac-scoring-system-code-table> |
| Deferred By code table | See [*Deferred by*](#_Deferred_by). |
| Domicile code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/domicile-code-table> |
| Ethnic Group code table | See [*Ethnic group codes*](#_Ethnic_group_codes).<http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/ethnicity-code-tables> |
| Exit Category code table | See [*Exit category*](#_Exit_category).<http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/exit-category-code-table> |
| Facility code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/facility-code-table> |
| Health Specialty code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/health-specialty-code-table> |
| Principal Health Service Purchaser code table | See [*Principal health service purchaser*](#_Principal_health_service). <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/principal-health-service-purchaser-code-table> |
| Professional Group code table | <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/professional-group-code-table> |
| Sex Type code table | See [*Sex*](#_Sex). |
| Staged/Planned Procedure Flag code table | See [*Staged/planned procedure flag*](#_Staged/planned_procedure_flag). <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/staged-planned-procedure-flag-code-table> |

**Code Tables on Website**

For code tables on the website of Te Whatu Ora go to <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables> For further information or a printed copy of the code table, contact Analytical Services. Contact details are given at the front of this dictionary.