

# National Booking Reporting System

## DATA MART - DATA DICTIONARY

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## Introduction

### **Objectives**

The objectives of the Ministry of Health ('the Ministry') 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 Data Dictionaries are data providers, software developers, and data users.

### **Format**

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

The format is described in detail in the appendices 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 Ministry's web site (for large or dynamic code tables).

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# National Booking Reporting System Data Warehouse

<b>Purpose</b>	<p>The National Booking Reporting System Data Mart (NBRS) was established to consolidate information from the NBRS database and summary outpatient statistics.</p> <p>This consolidated view of the data supports the monthly production of the Elective Services Patient Flow Indicator (ESPI) reports and ad hoc queries. The ESPIs are a means of evaluating how providers manage patients waiting to access elective services. The eight indicators incorporate the Government's policy targets for elective services and some of the accountability requirements for District Health Boards (DHBs). In addition they highlight current and potential issues in patient flows through the elective services system.</p>
<b>Content</b>	<p>The NBRS data mart is updated every month with the last 12 months of data from:</p> <ul style="list-style-type: none"><li>- the NBRS, which is a collection of all booking system events, involving a healthcare user who receives an assessment of priority for a medical or surgical service and who is accepted for publicly funded treatment; this data is collected from the 20 DHBs.</li><li>- the Monthly Reporting Access database, which contains national summary outpatient data; this data is collected monthly from the 20 DHBs.</li></ul>
<b>Start date</b>	<p>The NBRS was implemented on 1 July 2003, and contains data from 1 August 2000.</p> <p>In July 2006 the NBRS platform was migrated from Sybase to Oracle.</p>
<b>Guide for use</b>	<p>At the end of each month, the previous 12 months' data is loaded to ensure any changes are captured. Data is summarised into months (also known as snapshots).</p>
<b>Contact information</b>	<p>For further information about this collection or to request specific datasets or reports, contact the Ministry of Health Analytical Services team on Phone: (04) 922 1800 Fax: (04) 922 - 1899, or e-mail <a href="mailto:data-enquiries@health.govt.nz">data-enquiries@health.govt.nz</a>, or visit the Ministry of Health web site <a href="http://www.health.govt.nz">www.health.govt.nz</a>.</p>
<b>Collection methods</b>	<p>Data is sourced from DHBs via:</p> <ul style="list-style-type: none"><li>- National Booking Reporting System (booking event data)</li><li>- National Booking Reporting System Monthly Reporting (NBRSMR) (outpatient data)</li></ul>
<b>Frequency of updates</b>	<p>The last 12 months of data is reloaded into the NBRS on the 28th of each month.</p>
<b>Security of data</b>	<p>The NBRS is accessed by authorised Analytical Services staff for maintenance, data quality, analytical, and audit purposes.</p> <p>Authorised users from the Ministry of Health's Elective Services Team and DHBs have access to the data for analytical purposes via the Business Objects reporting tool and the secure Health Information Network. Business Objects contains a subset of the data described in the Data Dictionary.</p>
<b>Privacy issues</b>	<p>The Ministry of Health is required to ensure that the release of information recognises any legislation related to the privacy of health information, in particular the Official Information Act 1982, the Privacy Act 1993, and the Health Information Privacy Code 1994.</p> <p>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.</p>

***National reports and publications***

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

***Data provision***

Customised datasets or summary reports are available on request, either electronically or on paper. Staff from the Ministry of Health Analytical Services team can help to define the specifications for a request and are familiar with the strengths and weaknesses of the data. The Analytical Services team also offers a peer review service to ensure that Ministry of Health data is reported appropriately when published by other organisations. There may be charges associated with data extracts.



## Booking Status Dimension table

<b>Table name</b>	dim_booking_status
<b>Definition</b>	This table contains codes that define the status of a booking entry.
<b>Primary key</b>	dim_booking_status_key
<b>Business key</b>	booking_status_code
<b>Guide for use</b>	<p>Where the status is 20 (exited) the status load row is joined to exit category. Each other status has a default blank as the exit details are not applicable to the status.</p> <p>Within the NBRS there are three views of dim_booking_status are used: Entry Booking Status (dim_entry_booking_status), Previous Booking Status (dim_prev_booking_status) and Current Booking Status (dim_curr_booking_status).</p> <p>See the 'Valid Status Code table' in the Appendices of this data dictionary for a full list of status codes.</p>
<b>Relational rules</b>	
<b>Data content</b>	

---

## **Booking status code**

<b>Definition</b>	Business Identifier of the booking status.
<b>Column name</b>	booking_status_code
<b>Table name</b>	dim_booking_status
<b>Data type</b>	varchar2(2)
<b>Other names</b>	Reported as booking_status_code.
<b>Context</b>	
<b>Layout</b>	NN
<b>Data domain</b>	<p>Booking status codes without an expiry date: 00 (Assessed), 01 (Booked), 02 (Given Certainty), 04 (Active Review), 05 (Deferred), 06 (Rebooked), 07 (Reassess), 20 (Exited)</p> <p>Booking codes not collected: un(unknown dimension), ns(No Status), Expired booking codes: 03(Residual)</p> <p>See the Booking Status code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a>. For further information or a printed copy of the code table, contact Analytical Services.</p>
<b>Guide for use</b>	<p>The booking status is given by the clinician.</p> <p>In the booking entry table, this field (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.</p>
<b>Verification rules</b>	See the Valid Status Code table in the National Booking Reporting System (NBRS) File Specification document
<b>Collection methods</b>	<p>The Booking Status Code 03 - Residual, has been discontinued from 1 July 2006 and records containing this value are no longer accepted into the NBRS transitional database.</p> <p>A status change record can be submitted to the NBRS in addition to updates made by recording a different status code for a booking entry. A Delete entry will remove the previous status change. If after removing the previous status change no status records exist the entire booking entry is physically deleted. The Current status code is always updated to the previous state.</p> <p>An Erase update will physically remove the booking entry</p>
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	Elective Services Team

**Booking status description**

<b>Definition</b>	Description of booking status.
<b>Column name</b>	booking_status_description
<b>Table name</b>	dim_booking_status
<b>Data type</b>	varchar2(70)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Assessed, Booked, Given Certainty, Active Review, Deferred, Rebooked, Reassess, Exited, unknown dimension, No Status, Residual
<b>Guide for use</b>	
<b>Verification rules</b>	Is derived from the submitted booking status code.
<b>Collection methods</b>	Extracted from NBRS booking status table booking_status_description field.
<b>Related data</b>	booking_status_code
<b>Source document</b>	
<b>Source organisation</b>	Elective Services Team

**Valid until date**

<b>Definition</b>	Records with this booking status will be recorded up until this date
<b>Column name</b>	valid_until_date
<b>Table name</b>	dim_booking_status
<b>Data type</b>	date
<b>Other names</b>	Expiry date, Retired date, End date
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Valid Date
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## Fact NBR Booking KPI table

**Table name** fact\_nbr\_booking\_kpi

**Definition** The Booking KPI table holds values, including agreed and actual contractual inpatient values, for 3 Elective Services Key Performance Indicators (KPIs) for each DHB at a Specialty, month and KPI granularity.

**Primary key**

**Business key**

**Guide for use** Elective Services have defined 8 Key Performance Indicators (KPIs) to support the elective service patient flow indicator (ESPI) reports.

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

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

The KPI data in the Booking KPI table relates to KPIs 1 and 2. It is sourced from HealthPAC (Contractual data), and DHBs via National Booking Reporting System Monthly Reporting (Outpatient data). Outpatient KPI values are loaded directly from the monthly reporting system (NBRSMR). Statistics are collected from the DHBs on a monthly basis and are loaded into the NBRSMR. NBRSMR then passes the required pre-calculated KPI values to the NBR Data Warehouse for inclusion in the Booking KPI table.

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

**Relational rules**

<b>KEY:</b>	<b>LINKED TO:</b>
dim_dhb_reference_key	DHB Reference table
(dim_dhb_reference) - Shared Dimension	
dim_snapshot_month_key	Global Time table
(dim_global_time) - Shared Dimension	

**Data content**

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**DHB code**

<b>Definition</b>	Three-digit code of the DHB as defined by the Ministry of Health. DHBs are responsible for the health of a population in a defined area. The area comprises a set of meshblocks ( represented by domicile codes).
<b>Column name</b>	dhb_code
<b>Table name</b>	fact_nbr_booking_kpi
<b>Data type</b>	varchar2(3)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	NNN
<b>Data domain</b>	See the DHB code table in Appendix I.
<b>Guide for use</b>	This field is populated when the agency is a DHB or the facility's agency is a DHB.
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	Region code, Agency code
<b>Source document</b>	
<b>Source organisation</b>	

**DSS Count**

<b>Definition</b>	Row count column.
<b>Column name</b>	dss_count
<b>Table name</b>	fact_nbr_booking_kpi
<b>Data type</b>	integer
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

**KPI calculated value**

<b>Definition</b>	Contains the Key Performance Indicator( KPI )statistic value, if the KPI statistic requires a calculation that provides a numeric result.
<b>Column name</b>	kpi_value
<b>Table name</b>	fact_nbr_booking_kpi
<b>Data type</b>	number(14,4)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	NNNNNNNNNN.NNNN
<b>Data domain</b>	
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	



**KPI date value**

<b>Definition</b>	Contains the KPI statistic value, if the KPI statistic provides a date result.
<b>Column name</b>	kpi_date
<b>Table name</b>	fact_nbr_booking_kpi
<b>Data type</b>	date
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	Oracle datetime field
<b>Data domain</b>	Valid dates
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

**KPI statistic ID**

<b>Definition</b>	The key performance indicator's business identifier.
<b>Column name</b>	kpi_statistic_id
<b>Table name</b>	fact_nbr_booking_kpi
<b>Data type</b>	number(5)
<b>Other names</b>	Statistic_id
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	
<b>Guide for use</b>	Each Specialty is associated with several KPIs.
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

**KPI textual value**

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

**Column name** kpi\_text

**Table name** fact\_nbr\_booking\_kpi

**Data type** varchar2(50)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## **Specialty ID**

<b>Definition</b>	A code used to identify a specialty in the key performance indicator reports.
<b>Column name</b>	specialty_id
<b>Table name</b>	fact_nbr_booking_kpi
<b>Data type</b>	varchar2(3)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	See Elective Services Reporting Specialties code table in Appendix.
<b>Guide for use</b>	Note that for the purposes of calculating KPI statistics a list of 'valid' specialties is kept for each DHB. This allows the statistics to identify missing but expected information.
<b>Verification rules</b>	
<b>Collection methods</b>	Defined by Elective Services as a set of health specialties summarised to a reporting level.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## NBR Booked Procedure Dimension table

<b>Table name</b>	dim_booked_procedure
<b>Definition</b>	Codes that describe at a general group level, the procedure that the patient is booked for.
<b>Primary key</b>	dim_booked_procedure_key
<b>Business key</b>	health_specialty_code, booked_procedure_code
<b>Guide for use</b>	Specialty Type gets converted from M and S to Medical and Surgical respectively  Dimension tables are the descriptive or lookup-type tables that link to fact tables. Dimension tables are used to slice-and-dice through fact table data. Each dimension table has an associated procedure for inserting/updating records into the dimension. Additionally, each dimension has a 'get_key' function that is used to return the dimension key value for a given business key (used in preparing fact_table records).

### **Relational rules**

### **Data content**

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## **Booked procedure code**

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

**Column name** booked\_procedure\_code

**Table name** dim\_booked\_procedure

**Data type** varchar2(2)

**Other names**

**Context**

**Layout**

**Data domain** See the Booked Procedure code table on the Ministry of Health web site at <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.

**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 methods** Sourced from the NBRS Booking Entry table's Booked procedure field. Derived from a combination of Clinical code, Clinical code table type, and Clinical coding system ID and the health specialty code.

**Related data** Health specialty code, clinical code

**Source document**

**Source organisation**

**Booked procedure description**

<b>Definition</b>	Description of the booked procedure code.
<b>Column name</b>	booked_procedure_description
<b>Table name</b>	dim_booked_procedure
<b>Data type</b>	varchar2(100)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Free text
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Extracted from NBRS booked procedure table booked_procedure_description field.
<b>Related data</b>	booked_procedure_code
<b>Source document</b>	
<b>Source organisation</b>	

## **Health specialty code**

<b>Definition</b>	A classification describing the specialty or service to which a healthcare user has been assigned, which reflects the nature of the services being provided.
<b>Column name</b>	health_specialty_code
<b>Table name</b>	dim_booked_procedure
<b>Data type</b>	varchar2(64)
<b>Other names</b>	Health specialty
<b>Context</b>	The health specialty managing a patient's care.
<b>Layout</b>	
<b>Data domain</b>	See the Health Specialty code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	<p>When combined with Booked procedure code, the Health specialty code specifies the type of operation the patient is expected to have.</p> <p>Hospitals may either use Health specialty code combined with Booked procedure codes, or Health specialty code combined with Clinical code, Clinical code type, and Clinical coding system ID to report to the NBR.</p> <p>If Clinical codes are used then these are mapped to a booked procedure by the Ministry. If no explicit mapping exists then they will be mapped to the appropriate 'Other' (99) category for the health specialty.</p> <p>Some procedures are carried out in more than one specialty (eg, varicose veins in both general and vascular surgery) which means that some ICD Codes will map to more than one specialty.</p> <p>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.</p> <p>The level of specificity and complexity of ICD coding was considered to be too complex for the purposes of the national reporting of booking system data.</p> <p>The Ministry's preference is for the high-level coding.</p>
<b>Verification rules</b>	Must be a valid code in the Specialty Group code table.
<b>Collection methods</b>	Sourced from the NMDS Health Specialty table's Health specialty code.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	



**Health specialty full description**

<b>Definition</b>	Long description of the health specialty.
<b>Column name</b>	health_specialty_full_desc
<b>Table name</b>	dim_booked_procedure
<b>Data type</b>	varchar2(256)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Free text
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Extracted from NMDS health specialty table health_specialty_full_description field.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	

**Health specialty short description**

**Definition** Short Description of the specialty.

**Column name** health\_specialty\_description

**Table name** dim\_booked\_procedure

**Data type** varchar2(100)

**Other names**

**Context**

**Layout**

**Data domain** Free text

See Health specialty code table: <http://www.health.govt.nz/nz-health-statistics/data-references/code-tables>

**Guide for use**

**Verification rules**

**Collection methods** Extracted from NMDS health specialty table health\_specialty\_description field.

**Related data** health\_specialty\_code

**Source document**

**Source organisation**

***Mental health flag***

<b><i>Definition</i></b>	Indicator of inpatient care for mental health.
<b><i>Column name</i></b>	mental_health_inpatient_flag
<b><i>Table name</i></b>	dim_booked_procedure
<b><i>Data type</i></b>	varchar2(128)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Supplied by Elective Services via the health specialty code to Elective Services reporting specialty mapping document.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## Specialty ID

<b>Definition</b>	A code used to identify a specialty in the key performance indicator reports.
<b>Column name</b>	specialty_id
<b>Table name</b>	dim_booked_procedure
<b>Data type</b>	varchar2(3)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	See Elective Services Reporting Specialties code table in Appendix.
<b>Guide for use</b>	Note that for the purposes of calculating KPI statistics a list of 'valid' specialties is kept for each DHB. This allows the statistics to identify missing but expected information.
<b>Verification rules</b>	
<b>Collection methods</b>	Defined by Elective Services as a set of health specialties summarised to a reporting level.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## **Specialty name**

<b>Definition</b>	The name of the Elective Services Reporting specialty.
<b>Column name</b>	specialty_name
<b>Table name</b>	dim_booked_procedure
<b>Data type</b>	varchar2(50)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	See Elective Services Reporting Specialties code table in Appendix .
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Defined by Elective Services as a set of health specialties summarised to a reporting level.
<b>Related data</b>	specialty_id
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## **Type of specialty**

<b>Definition</b>	Defines if the specialty is classed 'medical' or 'surgical'.
<b>Column name</b>	specialty_type
<b>Table name</b>	dim_booked_procedure
<b>Data type</b>	varchar2(10)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Medical Surgical
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Table defined by Elective Services giving each health specialty code a type of either medical or surgical.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## NBR CPAC Scoring Dimension table

<b>Table name</b>	dim_cpac_scoring
<b>Definition</b>	A table of scoring systems used to prioritise patients
<b>Primary key</b>	dim_cpac_scoring_key
<b>Business key</b>	cpac_scoring_system_code
<b>Guide for use</b>	Dimension tables are the descriptive or lookup-type tables that link to fact tables. Dimension tables are used to slice-and-dice through fact table data. Each dimension table has an associated procedure for inserting/updating records into the dimension. Additionally, each dimension has a 'get_key' function that is used to return the dimension key value for a given business key (used in preparing fact_table records).
<b>Relational rules</b>	
<b>Data content</b>	

---

## **Alpha scoring values**

<b>Definition</b>	The valid characters for a non numeric scoring scale if the scoring system uses a non-numeric scale.
<b>Column name</b>	alpha_set_valid_values
<b>Table name</b>	dim_cpac_scoring
<b>Data type</b>	varchar2(255)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Extracted from NBRS priority scoring scale table alpha_set_valid_values field.
<b>Related data</b>	cpac_scoring_system_code
<b>Source document</b>	
<b>Source organisation</b>	



## ***Lower numeric limit***

<b><i>Definition</i></b>	The lower limit of the numeric range if the scoring system uses a numeric scale.
<b><i>Column name</i></b>	numeric_lower_bound
<b><i>Table name</i></b>	dim_cpac_scoring
<b><i>Data type</i></b>	integer
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Extracted from NBRS CPAC scoring scale table numeric_lower_bound field.
<b><i>Related data</i></b>	cpac_scoring_system_code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Numeric flag***

<b><i>Definition</i></b>	Indicates whether scores are numeric or character.
<b><i>Column name</i></b>	is_numeric_range
<b><i>Table name</i></b>	dim_cpac_scoring
<b><i>Data type</i></b>	varchar2(1)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	Y      the scoring the system uses is a numeric value N      the scoring the system uses is a character value
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Extracted from NBRS CPAC scoring scale table is_numeric_flag field.
<b><i>Related data</i></b>	cpac_scoring_system_code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Priority scoring scale code***

<b><i>Definition</i></b>	A code indicating the range of scores used in a particular local or national CPAC scoring system.
<b><i>Column name</i></b>	cpac_scoring_scale_code
<b><i>Table name</i></b>	dim_cpac_scoring
<b><i>Data type</i></b>	varchar2(4)
<b><i>Other names</i></b>	CPAC scoring scale code
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	See Priority Scoring Scale code table in Appendix.
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Extracted from NBRS priority scoring system table cpac_scoring_scale_code field.
<b><i>Related data</i></b>	cpac_scoring_system_code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Priority scoring scale description***

<b><i>Definition</i></b>	A description of the scoring range that applies to a particular tool.
<b><i>Column name</i></b>	cpac_scoring_scale_desc
<b><i>Table name</i></b>	dim_cpac_scoring
<b><i>Data type</i></b>	varchar2(70)
<b><i>Other names</i></b>	CPAC scoring scale description
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	See Priority Scoring Scale code table in Appendix.
<b><i>Guide for use</i></b>	All national tool ids and scoring ranges are available on the Ministry of Health website under CPAC scoring tool code
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Extracted from NBR priority scoring scale table cpac_scoring_scale_desc field.
<b><i>Related data</i></b>	cpac_scoring_scale_code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Priority scoring system ID***

<b><i>Definition</i></b>	A code that identifies the prioritisation tool(s) being used by a particular DHB health specialty.
<b><i>Column name</i></b>	cpac_scoring_system_code
<b><i>Table name</i></b>	dim_cpac_scoring
<b><i>Data type</i></b>	varchar2(4)
<b><i>Other names</i></b>	CPAC scoring system ID
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	See CPAC Score code table on MoH web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For more info or printed copy of the table, contact Analytical Services. Contact details are given at the front of this dictionary.
<b><i>Guide for use</i></b>	<p>The code table includes all tools registered for use by individual hospitals, including national CPAC scoring tools.</p> <p>Priority scoring systems may have ascending or descending ranges.</p>
<b><i>Verification rules</i></b>	<p>Matches the code table identifier registered with the Ministry for the facility.</p> <p>Must be a valid code in the code table.</p>
<b><i>Collection methods</i></b>	Extracted from NBR priority scoring system table cpac_scoring_system_code field.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Priority scoring system description***

***Definition*** Description of local or national CPAC scoring system.

***Column name*** cpac\_scoring\_system\_desc

***Table name*** dim\_cpac\_scoring

***Data type*** varchar2(70)

***Other names*** CPAC scoring system description

***Context***

***Layout***

***Data domain*** Free text

***Guide for use***

***Verification rules***

***Collection methods*** Extracted from NBRS priority scoring system table cpac\_scoring\_system\_desc field.

***Related data*** cpac\_scoring\_system\_code

***Source document***

***Source organisation***

## ***Upper numeric limit***

<b><i>Definition</i></b>	The upper limit of the numeric range if the scoring system uses a numeric scale.
<b><i>Column name</i></b>	numeric_upper_bound
<b><i>Table name</i></b>	dim_cpac_scoring
<b><i>Data type</i></b>	integer
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Extracted from NBRS CPAC scoring scale table numeric_upper_bound field.
<b><i>Related data</i></b>	cpac_scoring_system_code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## NBR Exit Category Dimension table

<b>Table name</b>	dim_exit_category
<b>Definition</b>	the dim_exit_category dimension table holds the values of the reason for exiting a booking event
<b>Primary key</b>	dim_exit_category_key
<b>Business key</b>	exit_category_code
<b>Guide for use</b>	
<b>Relational rules</b>	
<b>Data content</b>	

---



## **Exit category**

<b>Definition</b>	A code indicating the final outcome at the completion of the CPAC assessment/booking event.
<b>Column name</b>	exit_category_code
<b>Table name</b>	dim_exit_category
<b>Data type</b>	varchar2(2)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	NN
<b>Data domain</b>	See the Exit Category code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	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' added from 1 July 2008
<b>Verification rules</b>	Must be a valid exit category on the Exit Category Table.
<b>Collection methods</b>	
<b>Related data</b>	Exit Category Date Mandatory when booking status code is 20 and booking status is exited,
<b>Source document</b>	
<b>Source organisation</b>	

**Exit category description**

<b>Definition</b>	Description of the exit reason.
<b>Column name</b>	exit_category_description
<b>Table name</b>	dim_exit_category
<b>Data type</b>	varchar2(70)
<b>Other names</b>	Exit outcome
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Extracted from NBRS booking status table booking_status_description field.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## ***Valid until date***

### ***Definition***

<b><i>Column name</i></b>	valid_until_date
<b><i>Table name</i></b>	dim_exit_category
<b><i>Data type</i></b>	date

### ***Other names***

### ***Context***

### ***Layout***

### ***Data domain***

### ***Guide for use***

### ***Verification rules***

### ***Collection methods***

### ***Related data***

### ***Source document***

### ***Source organisation***

## NBR Fact Booking Snapshot table

<b>Table name</b>	fact_nbr_booking_snapshot																														
<b>Definition</b>	Contains a single entry for every booking status in each booking entry event.																														
<b>Primary key</b>																															
<b>Business key</b>																															
<b>Guide for use</b>	<p>Each month all booking entries in the NBRs that are active or exited within that month are added to the NBRs Data Warehouse.</p> <p>There are approximately 1.8 million rows as at July 2003, with growth of around 80,000 rows per month expected.</p> <p>Each month, the Booking Snapshot table is refreshed with the previous six months' data. Records that are more than six months old are retained as static data.</p> <p>Elective Services is part of the Ministry of Health, who have 8 Key Performance Indicators (KPIs). These KPIs have been defined to support the elective service patient flow indicator (ESPI) reports.</p> <p>The data in the Booking Snapshot table relates to KPIs 3, 4, 5, 6, 7 and 8. It is sourced from the NBRs.</p> <table> <thead> <tr> <th>KEY:</th> <th>LINKED TO:</th> </tr> </thead> <tbody> <tr> <td>dim_affiliation_key</td> <td>Affiliation table (dim_affiliatio) - Shared Dimension</td> </tr> <tr> <td>dim_agency_facility_key (dim_agency_facility)</td> <td>Agency Facility table - Shared Dimension</td> </tr> <tr> <td>dim_age_band_key</td> <td>Age band table (dim_age_band) - Shared Dimension</td> </tr> <tr> <td>dim_booked_procedure_key</td> <td>Booked Procedure table (dim_booked_procedure)</td> </tr> <tr> <td>dim_clinical_code_key (dim_clinical_cod)</td> <td>Clinical Code table - Shared Dimension</td> </tr> <tr> <td>dim_curr_booking_statu_key</td> <td>dim_curr_booking_status (View of dim_booking_status)</td> </tr> <tr> <td>dim_exit_date_key (dim_global_time)</td> <td>Global Time table - Shared Dimension</td> </tr> <tr> <td>dim_first_assessment_d_key (dim_global_time)</td> <td>Global Time table - Shared Dimension</td> </tr> <tr> <td>dim_first_cpac_scoring_key (dim_cpac_scoring_system)</td> <td>dim_first_cpac_scoring_system (View of</td> </tr> <tr> <td>dim_initial_prof_group_key (dim_professional_group)</td> <td>dim_initial_prof_group (View of</td> </tr> <tr> <td>dim_latest_cpac_scorin_key (ofdim_cpac_scoring_system)</td> <td>dim_latest_cpac_scoring_system (View</td> </tr> <tr> <td>dim_latest_prof_group_key (dim_professional_group)</td> <td>dim_latest_prof_group (View of</td> </tr> <tr> <td>dim_prev_booking_statu_key (dim_purchaser_code_key)</td> <td>dim_curr_booking_status (View of dim_booking_status)</td> </tr> <tr> <td>dim_purchaser_code_key (dim_purchaser_code)</td> <td>Purchaser Code table</td> </tr> </tbody> </table>	KEY:	LINKED TO:	dim_affiliation_key	Affiliation table (dim_affiliatio) - Shared Dimension	dim_agency_facility_key (dim_agency_facility)	Agency Facility table - Shared Dimension	dim_age_band_key	Age band table (dim_age_band) - Shared Dimension	dim_booked_procedure_key	Booked Procedure table (dim_booked_procedure)	dim_clinical_code_key (dim_clinical_cod)	Clinical Code table - Shared Dimension	dim_curr_booking_statu_key	dim_curr_booking_status (View of dim_booking_status)	dim_exit_date_key (dim_global_time)	Global Time table - Shared Dimension	dim_first_assessment_d_key (dim_global_time)	Global Time table - Shared Dimension	dim_first_cpac_scoring_key (dim_cpac_scoring_system)	dim_first_cpac_scoring_system (View of	dim_initial_prof_group_key (dim_professional_group)	dim_initial_prof_group (View of	dim_latest_cpac_scorin_key (ofdim_cpac_scoring_system)	dim_latest_cpac_scoring_system (View	dim_latest_prof_group_key (dim_professional_group)	dim_latest_prof_group (View of	dim_prev_booking_statu_key (dim_purchaser_code_key)	dim_curr_booking_status (View of dim_booking_status)	dim_purchaser_code_key (dim_purchaser_code)	Purchaser Code table
KEY:	LINKED TO:																														
dim_affiliation_key	Affiliation table (dim_affiliatio) - Shared Dimension																														
dim_agency_facility_key (dim_agency_facility)	Agency Facility table - Shared Dimension																														
dim_age_band_key	Age band table (dim_age_band) - Shared Dimension																														
dim_booked_procedure_key	Booked Procedure table (dim_booked_procedure)																														
dim_clinical_code_key (dim_clinical_cod)	Clinical Code table - Shared Dimension																														
dim_curr_booking_statu_key	dim_curr_booking_status (View of dim_booking_status)																														
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dim_latest_cpac_scorin_key (ofdim_cpac_scoring_system)	dim_latest_cpac_scoring_system (View																														
dim_latest_prof_group_key (dim_professional_group)	dim_latest_prof_group (View of																														
dim_prev_booking_statu_key (dim_purchaser_code_key)	dim_curr_booking_status (View of dim_booking_status)																														
dim_purchaser_code_key (dim_purchaser_code)	Purchaser Code table																														

dim\_snapshot\_month\_key  
(dim\_global\_time)

- Shared Dimension  
Global Time table

dim\_treat\_agency\_facil\_key  
(dim\_agency\_facility)

- Shared Dimension  
Agency Facility table

- Shared Dimension

**Relational rules**

Refer to Guide for Use

**Data content**

---

## ***Age at snapshot***

***Definition*** The age of the healthcare user.

***Column name*** age\_at\_snapshot

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** integer

***Other names*** Age, age at visit

***Context***

***Layout***

***Data domain*** 0 to 115

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## Agency code

<b>Definition</b>	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.
<b>Column name</b>	agency_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(4)
<b>Other names</b>	Health agency code, DHB
<b>Context</b>	The reporting agency responsible for the booking entry and status assigned to a patient.
<b>Layout</b>	XXXX
<b>Data domain</b>	See the Agency code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	Historically, also known as CHE (Crown Health Enterprise), HHS (Hospitals and Health Services) and AHB (Area Health Board).
<b>Verification rules</b>	Must be a valid code in the Agency and Facility code table.
<b>Collection methods</b>	Sourced from the NBRS Booking Entry table's Agency code field.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## **Booked procedure**

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

**Column name** booked\_procedure\_code

**Table name** fact\_nbr\_booking\_snapshot

**Data type** varchar2(2)

**Other names**

**Context**

**Layout**

**Data domain** See the Booked Procedure code table on the Ministry of Health web site at <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.

**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** Health specialty code, CPAC tool in combination with Booked procedure code must be an accepted combination

**Collection methods** Sourced from the NBRS Booking Entry table's Booked procedure field.

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

**Related data** Health specialty code, CPAC Priority scoring scale code

**Source document**

**Source organisation**



## **Booking source**

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

**Column name** referral\_source\_code

**Table name** fact\_nbr\_booking\_snapshot

**Data type** varchar2(1)

**Other names**

**Context**

**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 NBR 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 methods** Sourced from the NBR Booking Entry table's Booking source code field.

**Related data**

**Source document**

**Source organisation**

## ***Certainty status given date***

<b><i>Definition</i></b>	The date that the healthcare user's booking status changed to given certainty.
<b><i>Column name</i></b>	certainty_status_given_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	The date of status change that is sent through on a record with a booking status code 02 Given Certainty
<b><i>Related data</i></b>	Booking status code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Client system identifier***

<b><i>Definition</i></b>	An identifier for the corresponding record stored within the health provider's system.
<b><i>Column name</i></b>	client_system_identifier
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(14)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Free text
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	<p>The Ministry 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:</p> <p>           NMDS - PMS unique identifier            NBRs - Client system identifier            NNPAC - NMDS PMS unique identifier         </p> <p>When a patient has been treated the Ministry 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.</p>
<b><i>Verification rules</i></b>	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.
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## **Clinical code**

<b>Definition</b>	A code used to classify the clinical description of a condition.
<b>Column name</b>	clinical_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(8)
<b>Other names</b>	Diagnosis/procedure code.
<b>Context</b>	Clinical information within a health event. This includes codes for diagnosis, injury, cause of intentional and unintentional injury, and procedure performed.
<b>Layout</b>	See Collection method.
<b>Data domain</b>	<p>Must be a valid code in one of the clinical coding systems. Refer to Appendix for a list of valid clinical coding systems.</p> <p>From ICD-10-AM 1st Edition onwards, procedures are NNNNNNN, and diagnoses and injuries are ANNNN.</p>
<b>Guide for use</b>	<p>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.</p> <p>Clinical codes should be submitted to the NBRS in ICD-10-AM 11th Edition. ICD-9-CM-A, ICD-10-AM 1st, 2<sup>nd</sup>, 3<sup>rd</sup> and 6th Editions will still be accepted. If Clinical code is submitted to the NBRS as ICD-9-CM-A, it is mapped to ICD-10-AM 1st Edition, then mapped to the Booked procedure code.</p>
<b>Verification rules</b>	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.
<b>Collection methods</b>	<p>Sourced from the NMDS Clinical Code table's Clinical code field.</p> <p>Providers send either a Booked procedure code, or a combination of Clinical code, Clinical code table type, and the Clinical coding system ID to the NBRS.</p>
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	National Centre for Classification in Health, University of Sydney, Australia

## **Clinical code type**

<b>Definition</b>	A code denoting which section of the Clinical Code table the Clinical code falls within.
<b>Column name</b>	clinical_code_type
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(1)
<b>Other names</b>	Reported as clinical_code_table_type. Also known as Clinical code table type
<b>Context</b>	Clinical information.
<b>Layout</b>	A
<b>Data domain</b>	<ul style="list-style-type: none"> <li>A Diagnosis</li> <li>B Injury</li> <li>D DSM-IV</li> <li>E External cause of injury</li> <li>M Morphology (pathology)</li> <li>O Operation/procedure</li> <li>V Supplementary classification/health factors</li> </ul>
<b>Guide for use</b>	<p>This is a processing field required to map codes correctly between ICD-9-CM-A 2nd Edition and other coding systems.</p> <p>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.</p>
<b>Verification rules</b>	<p>Must be a valid code in the Clinical Code Table Type code table.</p> <p>Must form part of a valid combination of Clinical code, Clinical code type, and Clinical coding system ID.</p>
<b>Collection methods</b>	<p>Sourced from the NBRS Booking Entry table's Clinical code type field.</p> <p>Providers send either a Booked procedure code, or a combination of Clinical code, Clinical code table type, and Clinical coding system ID to the NBRS.</p>
<b>Related data</b>	<ul style="list-style-type: none"> <li>Clinical coding system ID</li> <li>Diagnosis type</li> <li>Clinical code</li> </ul>
<b>Source document</b>	
<b>Source organisation</b>	

## **Clinical coding system ID**

<b>Definition</b>	A code identifying the clinical coding system used for diagnoses and procedures.
<b>Column name</b>	clinical_code_system
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(2)
<b>Other names</b>	
<b>Context</b>	Clinical information.
<b>Layout</b>	NN
<b>Data domain</b>	<ul style="list-style-type: none"> <li>01 ICD-9</li> <li>02 ICD-9-CM</li> <li>03 Read</li> <li>04 ICPC</li> <li>05 Old AMR codes</li> <li>06 ICD-9-CM-A</li> <li>07 DSM IV (for MHINC only)</li> <li>10 ICD-10-AM 1st Edition</li> <li>11 ICD-10-AM 2nd Edition</li> <li>12 ICD-10-AM 3rd Edition</li> <li>13 ICD-10-AM 6th Edition</li> <li>14 ICD-10-AM 8th Edition</li> <li>15 ICD-10-AM 11<sup>th</sup> Edition</li> </ul>
<b>Guide for use</b>	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.
<b>Verification rules</b>	
<b>Collection methods</b>	<p>Sourced from the NBRS Cooking Entry table's clinical coding system ID field.</p> <p>Providers send either a Booked procedure code, or a combination of Clinical code, Clinical code table type, and Clinical coding system ID to the NBRS.</p>
<b>Related data</b>	<p>Clinical code type</p> <p>Clinical code</p>
<b>Source document</b>	
<b>Source organisation</b>	

## **Contract agency**

<b>Definition</b>	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.
<b>Column name</b>	contract_agency_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(4)
<b>Other names</b>	
<b>Context</b>	A code used to identify the agency where treatment was provided. (This may be different from that of the booking entry.)
<b>Layout</b>	NNNN
<b>Data domain</b>	See Agency code table on the MoH web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For more info or printed copy of the table, contact Analytical Services. Contact details are given at the front of this dictionary.
<b>Guide for use</b>	If this field is not supplied, the value will default to the agency sending the data.
<b>Verification rules</b>	
<b>Collection methods</b>	Sourced from the NBRS Booking Entry table's Contract agency code field.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## ***Current booking status code***

<b><i>Definition</i></b>	The healthcare user's Booking status as at the date at the end of the snapshot period.
<b><i>Column name</i></b>	current_booking_status_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(2)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	NN
<b><i>Data domain</i></b>	See the Booking Status code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	The Booking status from the record in the NBRS Booking Entry Event table with the most recent Booking status date that is before the date at the end of the snapshot period.
<b><i>Collection methods</i></b>	The Booking Status Code 03 - Residual, has been discontinued from 1 July 2006 and records containing this value are no longer accepted into the NBRS transitional database.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	



**DHB code**

<b>Definition</b>	Three-digit code of the DHB as defined by the Ministry of Health. DHBs are responsible for the health of a population in a defined area. The area comprises a set of meshblocks ( or domicile codes).
<b>Column name</b>	dhb_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(3)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	NNN
<b>Data domain</b>	See the DHB code table in Appendix H.
<b>Guide for use</b>	This field is populated when the agency is a DHB or the facility's agency is a DHB.
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## **Date certainty given**

<b>Definition</b>	The date that the hospital sent or provided advice to the healthcare user that they would receive publicly funded treatment within the next six months.
<b>Column name</b>	certainty_given_date
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	date
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Valid dates  This date will be null if the healthcare user has not been given certainty
<b>Guide for use</b>	This field will be populated only if the healthcare user was given certainty before the snapshot period.  Certainty means the patient is told they will receive treatment within the next six months and that the treatment date will be provided closer to the time.  This is not necessarily the date that the healthcare user was given a firm booking date for treatment or a diagnostic test.
<b>Verification rules</b>	Must be on or after the First priority assessment date.
<b>Collection methods</b>	Sourced from the NBRS Booking Entry Event table's Certainty given date field.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

**Date exit category assigned**

<b>Definition</b>	The date the exit category was assigned.
<b>Column name</b>	exit_category_assigned_date
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	date
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	Oracle datetime field
<b>Data domain</b>	Valid dates
<b>Guide for use</b>	<p>The date to be used for each exit category is as follows:</p> <p>11 Patient received publicly funded elective treatment = Procedure date</p> <p>12 Patient received publicly funded acute treatment = Procedure date</p> <p>13 Patient returned to primary care = Date of letter sent to the GP returning the patient to their care</p> <p>14 Removed due to changed patient circumstance = Date the patient or their representative notified the hospital of the change</p> <p>15 Medically unfit for treatment = Date the patient is assessed as unfit</p>
<b>Verification rules</b>	<p>Must be on or after the latest Booking status date of the booking system entry</p> <p>Partial dates not allowed</p>
<b>Collection methods</b>	Sourced from the NBR Booking Entry Event table's Booking status date where the Booking status is '20' (Exited).
<b>Related data</b>	Exit Category
<b>Source document</b>	
<b>Source organisation</b>	

## ***Date of birth***

<b><i>Definition</i></b>	The date on which the individual or healthcare user was born.
<b><i>Column name</i></b>	date_of_birth
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	DOB, HCU date of birth, Birth date, Birthday
<b><i>Context</i></b>	Required to derive age for demographic analyses.
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	<p>Extracted from the NHI database during the NBRS load process, based on NHI number.</p> <p>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.</p>
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry table's Date of birth field.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Date of entry***

<b><i>Definition</i></b>	The date of entry into the booking system.
<b><i>Column name</i></b>	entry_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle date/time field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	This field will only be populated if the healthcare user entered the system within the snapshot period.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date for the booking entry.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Date of referral***

<b><i>Definition</i></b>	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.
<b><i>Column name</i></b>	referral_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	Date of referral for first specialist assessment
<b><i>Context</i></b>	Request for a secondary assessment of a patient's need for secondary care or for specialist advice in managing a patient in primary care.
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	<p>Not reliably reported to the NBRS before 1 July 2010. Data was usually collected in the facility's outpatient system and not transferred to the healthcare user's inpatient record.</p> <p>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) Date of referral must not be greater than 238 days before the date of birth.</p>
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry table's Referral date field.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

***Days between fsa and first priority assessment***

**Definition** The number of days between the First specialist assessment date and the First priority assessment date.

**Column name** days\_fsa\_to\_first\_priority\_ass

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules** Calculated from a count of days between the First specialist assessment date and the First priority assessment date.

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Days between referral and first priority assessment***

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

**Column name** days\_ref\_to\_first\_priority\_ass

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

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

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

**Collection methods**

**Related data**

**Source document**

**Source organisation**



***Days between referral and first specialist assessment***

**Definition** The number of days between the Date of referral and the First specialist assessment date.

**Column name** days\_referral\_to\_fsa

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules** Calculated from a count of days between the Date of referral and the First specialist assessment date.

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Days since first priority assessment***

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

**Column name** days\_since\_first\_priority\_ass

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

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

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Days since first specialist assessment***

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

**Column name** days\_since\_fsa

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

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

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Days since given certainty***

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

**Column name** days\_since\_certainty

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

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

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Days since last review in active review***

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

**Column name** days\_since\_last\_review

**Table name** fact\_nbr\_booking\_snapshot

**Data type** number

**Other names**

**Context**

**Layout**

**Data domain**

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

**Verification rules** Only for patients with a Booking Status of 'Active Review'.

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Days waiting assured***

<b><i>Definition</i></b>	The number of days in an uninterrupted assured waiting status. An assured waiting status is when the healthcare user has any of the following codes: '01' (Booked); '02' (Certainty given); '05' (Deferred); or '06' (Rebooked).
<b><i>Column name</i></b>	days_waiting_assured
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	integer
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	'01' (Booked), '02' (Certainty given), '05' (Deferred), '06' (Rebooked)
<b><i>Guide for use</i></b>	<p>Calculated from a count of days between the start date of the uninterrupted assured waiting status and either the date at the end of the snapshot period or, if there is an exit during the month, the Date exit category assigned.</p> <p>If the Booking status is set to '04' or if the assured start date has not been supplied for the booking event this field is 0.</p>
<b><i>Verification rules</i></b>	Note that the first assured booking status cannot be '05'.
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

***Deferred by healthcare user***

<b><i>Definition</i></b>	The number of deferrals initiated by the healthcare user for this booking entry in the month.
<b><i>Column name</i></b>	deferred_by_hcu_count
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	integer
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	NN
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

***Deferred by hospital***

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

**Column name** deferred\_by\_hhs\_count

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**



## **Encrypted NHI number**

<b>Definition</b>	The NHI number in encrypted form.
<b>Column name</b>	encrypted_hcu_id
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(11)
<b>Other names</b>	Encrypted HCU identifier, Encrypted NHI, etc. See other names for the NHI number under 'Guide for use' below.
<b>Context</b>	The NHI number is the cornerstone of the Ministry's data collections. It is a unique 7-character identification number assigned to a healthcare user by the National Health Index (NHI) database. NHI numbers uniquely identify healthcare users, and allow lin
<b>Layout</b>	
<b>Data domain</b>	System-generated
<b>Guide for use</b>	<p><b>THE NHI NUMBER</b></p> <p>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.</p> <p>For the analysis of healthcare information relating to a unique individual, the master NHI number should be used.</p> <p>The NBRIS 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 NBRIS will need to refer to the HCU table on the NHI which records duplicate NHI numbers.</p> <p>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.</p> <p><b>VALIDATION</b></p> <p>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.</p> <p><b>ENCRYPTION</b></p> <p>The NHI number is encrypted using a one-way encryption algorithm. The aim is to provide an encrypted number that can be sent across public (unsecured) networks.</p>
<b>Verification rules</b>	There is a verification algorithm which ensures that the NHI number is in the correct format and is valid.
<b>Collection methods</b>	Sourced from the NBRIS.
<b>Related data</b>	
<b>Source document</b>	<a href="http://www.health.govt.nz/our-work/health-identity/national-health-index">http://www.health.govt.nz/our-work/health-identity/national-health-index</a>
<b>Source organisation</b>	Ministry of Health

## ***Entry booking status code***

<b><i>Definition</i></b>	The Booking status at time of entering the system.
<b><i>Column name</i></b>	entry_booking_status_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(2)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	NN
<b><i>Data domain</i></b>	See the Booking Status code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b><i>Guide for use</i></b>	The Booking Status Code 03 - Residual, has been discontinued from 1 July 2006 and records containing this value are no longer accepted into the NBR transitional database
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBR Booking Entry Event table's Booking status code where it is the earliest booking status for the booking entry.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Ethnic code***

<b><i>Definition</i></b>	Ethnic affiliation
<b><i>Column name</i></b>	ethnic_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(2)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	Ethnicity data is gathered for planning and service delivery purposes and 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.
<b><i>Layout</i></b>	NN
<b><i>Data domain</i></b>	See the Ethnic Group code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b><i>Guide for use</i></b>	<p>A social group whose members have one or more of the following four characteristics:</p> <ul style="list-style-type: none"> <li>- they share a sense of common origins</li> <li>- they claim a common and distinctive history and destiny</li> <li>- they possess one or more dimensions of collective cultural individuality</li> <li>- they feel a sense of unique collective solidarity.</li> </ul> <p>Extracted from the NHI database during the NBRS load process, based on NHI number.</p> <p>Added to the NBRS on 1 March 2002.</p> <p>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.</p> <p>Ethnic code should be self-identified wherever possible.</p>
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry table's Ethnic code, Ethnic code 2, Ethnic code 3 fields.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	Smith, Anthony. 1981. The Ethnic Revival. Cambridge University Press.
<b><i>Source organisation</i></b>	Statistics NZ, modified by the National Data Policy Group.

## ***Ethnic code 2***

### ***Definition***

<b><i>Column name</i></b>	ethnic_code_2
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(2)

### ***Other names***

### ***Context***

### ***Layout***

### ***Data domain***

### ***Guide for use***

### ***Verification rules***

### ***Collection methods***

### ***Related data***

### ***Source document***

### ***Source organisation***

## ***Ethnic code 3***

### ***Definition***

<b><i>Column name</i></b>	ethnic_code_3
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(2)

### ***Other names***

### ***Context***

### ***Layout***

### ***Data domain***

### ***Guide for use***

### ***Verification rules***

### ***Collection methods***

### ***Related data***

### ***Source document***

### ***Source organisation***

## **Exit category**

<b>Definition</b>	A code indicating the final outcome at the completion of the priority assessment/booking event.
<b>Column name</b>	exit_category_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(2)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	NN
<b>Data domain</b>	See the Exit Category code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	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' added from 1 July 2008
<b>Verification rules</b>	Must be a valid exit category on the Exit Category Table.
<b>Collection methods</b>	Sourced from the NBR Booking Entry table's Exit category code.
<b>Related data</b>	Exit Category Date
<b>Source document</b>	
<b>Source organisation</b>	

## **Facility code**

<b>Definition</b>	A code that uniquely identifies a healthcare facility.
<b>Column name</b>	facility_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(4)
<b>Other names</b>	Health agency facility code, Hospital, HAF code, HAFC
<b>Context</b>	The hospital managing the booking entry and booking status assigned to a patient.
<b>Layout</b>	NNNN
<b>Data domain</b>	See the Facility code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	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.
<b>Verification rules</b>	Must be a valid code in the Agency and Facility code table.
<b>Collection methods</b>	Sourced from the NBRS Booking Entry table's Facility code field.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## ***First active review date***

<b><i>Definition</i></b>	The date when the booking entry first went into active review (04) status.
<b><i>Column name</i></b>	first_active_review_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	<p>Active Review is a care pathway for patients for whom elective surgery is considered to be the best option for their care, but where:</p> <ul style="list-style-type: none"> <li>. this service is not available within the current public funding or provider capacity; and</li> <li>. there is a realistic probability that the patient's condition may meet the threshold for treatment in the foreseeable future.</li> </ul> <p>These are the patients who would next receive treatment if provider capacity increases.</p> <p>While in the category of active review, patients should receive a clinical assessment every six months. If at any time a patient's condition deteriorates to the point where their priority score exceeds the aTT, they should be given a commitment to treatment.</p> <p>If a patient's condition remains unchanged by the time of the third assessment, they should be returned to the care of their GP.</p>
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date with a Booking status of '04' (Active review).
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	



## ***First assessor code***

<b><i>Definition</i></b>	The Assessor Code identifying the clinician who first assessed the healthcare user.
<b><i>Column name</i></b>	first_assessor_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(10)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	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.
<b><i>Layout</i></b>	NNNNNNNNNN
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	Assessor Codes have been submitted to NBRS from 1 July 2008. The First Assessor Code contains the Assessor Code sent in with the first booking record.
<b><i>Verification rules</i></b>	<p>From 1 July 2008, mandatory for records where booking status code is one of the following:</p> <ul style="list-style-type: none"> <li>01 Book</li> <li>02 Give Certainty</li> <li>04 Active Review</li> <li>05 Defer</li> <li>07 Reassess</li> </ul> <p>Must be supplied when Assessor Group Code is supplied.</p>
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Assessment Event table's Assessor Code from the record with the latest CPAC Assessment date.
<b><i>Related data</i></b>	First Assessor Group Code, Latest Assessor Code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***First assessor group code***

<b><i>Definition</i></b>	The Professional Group of the clinician who first assessed the healthcare user.
<b><i>Column name</i></b>	first_assessor_group_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	char(2)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	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.
<b><i>Layout</i></b>	AA
<b><i>Data domain</i></b>	See the Professional Group Code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a>
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	Must be a valid code in the Professional Group Code table. Must be supplied when Assessor Code is supplied
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	First Assessor Code, Latest Assessor Group Code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***First booking date***

<b><i>Definition</i></b>	The date when the booking entry first went into booked (01) status.
<b><i>Column name</i></b>	first_booking_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Event table's Booking status date where it is the earliest date with a Booking status of '01' (Booked).
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***First clinical responsibility code***

<b>Definition</b>	A code identifying the clinician assuming initial clinical responsibility for a plan of care decision.
<b>Column name</b>	initial_clinical_resp_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(10)
<b>Other names</b>	Reported as Clinical responsibility code.
<b>Context</b>	
<b>Layout</b>	See Guide for Use
<b>Data domain</b>	
<b>Guide for use</b>	<p>This information will not be publicly available.</p> <p>The layout of the Clinical responsibility code depends on the Professional group code range of the Professional group code, as follows:</p> <ul style="list-style-type: none"> <li>A alphabetic only</li> <li>C alphanumeric</li> <li>N numeric only</li> </ul> <p>Must be present if a value is present in the Professional group code. See Guide for Use for further rules.</p> <p>Ignored where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.</p> <p>From 1 July 2007 mandatory for records where booking status code is one of the following:</p> <ul style="list-style-type: none"> <li>01 Book</li> <li>02 Give Certainty</li> <li>04 Active Review</li> <li>05 Defer</li> <li>06 ReBook</li> <li>07 ReAssess</li> </ul> <p>OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively</p>
<b>Verification rules</b>	See Guide for Use
<b>Collection methods</b>	Sourced from the NBRS Booking Event table's Initial clinical responsibility code field.
<b>Related data</b>	Professional group code Clinical responsibility code
<b>Source document</b>	
<b>Source organisation</b>	

## **First domicile code**

<b>Definition</b>	Statistics NZ Health Domicile Code representing a persons usual residential address at the time of the first booking event.
<b>Column name</b>	first_domicile_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	char(4)
<b>Other names</b>	
<b>Context</b>	Required for demographic analysis. Domicile codes are key variables for determining the characteristics of the population that are using the health sector.
<b>Layout</b>	
<b>Data domain</b>	See Domicile code table on the MoH web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For more info or printed copy of the table, contact Analytical Services. Contact details are given at the front of this dictionary.
<b>Guide for use</b>	<p>Usual residential address is defined as the address of the dwelling where a person considers himself or herself to usually reside. (Statistics NZ definition of 'usually resident'.)</p> <p>If a person usually lives in a rest home or a hospital, that is considered their usual residential address.</p> <p>From 1 July 2009, mandatory for records where Booking Status Date, CPAC Assessment Date or Exit Category Assigned Date is on or after 1 July 2009.</p> <p>Domicile Codes were optionally submitted to NBRS from 1 July 2008. As at 1 July 2008, new codes have been added and some codes have been retired due to the 2006 Census.</p>
<b>Verification rules</b>	Must be a valid code in the Domicile code table.
<b>Collection methods</b>	
<b>Related data</b>	Latest Domicile Code
<b>Source document</b>	
<b>Source organisation</b>	Statistics NZ

## ***First priority assessment date***

<b><i>Definition</i></b>	Date of first specialist assessment
<b><i>Column name</i></b>	first_assessment_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	First CPAC assessment date
<b><i>Context</i></b>	Elective surgical events
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid Dates
<b><i>Guide for use</i></b>	<p>The date of the first face to face specialist assessment, as defined in the National Non-admitted Patient Collection (NNPAC) data dictionary, which led to this 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</p> <p>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 is not transferred to the inpatient record. If the booking source is 4 - Primary Care Provider, the date of referral should be submitted for this date.</p>
<b><i>Verification rules</i></b>	<p>Mandatory for all booking events that are first loaded with an initial CPAC Assessment Date on or after July 2009.</p> <p>Must be on or before the first CPAC Assessment Date.</p> <p>Must be on or after the Date of referral</p>
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Assessment table's CPAC assessment date where it is the earliest assessment date for the booking.
<b><i>Related data</i></b>	Booking source
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***First priority score***

<b><i>Definition</i></b>	The priority score from the first priority assessment.
<b><i>Column name</i></b>	first_cpac_score
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(5)
<b><i>Other names</i></b>	First CPAC score
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	Business identifier for the initial priority score dimension.  Includes priority scores assigned using local tools or national priority tools.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBR Booking Entry Assessment table's CPAC score where it is the earliest score for the booking.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***First priority scoring system***

<b><i>Definition</i></b>	A code identifying either the local or national prioritisation system being used for an assessment.
<b><i>Column name</i></b>	first_cpac_scoring_syst_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(4)
<b><i>Other names</i></b>	First CPAC scoring system
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	Business identifier for initial priority score dimension.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Assessment table's CPAC scoring system code where it is the earliest code for the booking.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	



## ***First professional group code***

<b>Definition</b>	A code identifying the professional group or body with which the clinician assuming initial clinical responsibility for a plan-of-care decision is registered.
<b>Column name</b>	initial_prof_group_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(2)
<b>Other names</b>	Reported as clinical_responsibility_group
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	HB District Health Board Identifier MC Medical Council of New Zealand
<b>Guide for use</b>	<p>Added to the NBRS on 1 July 2002.</p> <p>DHBs are able to place a code value 'HB' into the Professional Group Code signifying that the value in the Clinical Responsibility Code is a DHB identifier for the clinician (as opposed to another group's identifier).</p> <p>Other values in the code table remain inactive. These values can be viewed on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a>. For further information or a printed copy of the code table, contact Analytical Services. Contact details are given at the front of this dictionary.</p> <p>Ignored where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.</p> <p>From 1 July 2007 mandatory for records where booking status code is one of the following:</p> <ul style="list-style-type: none"> <li>- 01 Book</li> <li>- 02 Give Certainty</li> <li>- 04 Active Review</li> <li>- 05 Defer</li> <li>- 06 ReBook</li> <li>- 07 ReAssess</li> </ul> <p>OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively</p> <p>Must be an active code in the Professional Group code table.</p> <p>Must be present if a value is present in the Clinical responsibility code.</p>
<b>Verification rules</b>	See Guide for Use
<b>Collection methods</b>	Sourced from the NBRS Professional Group table's Professional group code.
<b>Related data</b>	First clinical responsibility code
<b>Source document</b>	
<b>Source organisation</b>	

## ***First rebooking date***

***Definition*** The date when the booking entry was first rebooked i.e. given a status of '06'.

***Column name*** first\_rebooking\_date

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** date

***Other names***

***Context***

***Layout*** Oracle datetime field

***Data domain*** Valid dates

***Guide for use***

***Verification rules***

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

***Related data***

***Source document***

***Source organisation***

## ***First residual wait date***

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

**Column name** first\_residual\_date

**Table name** fact\_nbr\_booking\_snapshot

**Data type** date

**Other names**

**Context**

**Layout** Oracle datetime field

**Data domain** Valid Dates

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

**Verification rules**

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

**Related data**

**Source document**

**Source organisation**

**First scheduled date**

<b>Definition</b>	The scheduled treatment/diagnostic test date for the first booking (01) event for this entry.
<b>Column name</b>	first_scheduled_date
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	date
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	Oracle datetime field
<b>Data domain</b>	Valid dates
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Sourced from the NBRS Booking Entry Event table's Scheduled date where the Booking status date is the earliest date with a Booking status of '01' (Booked).
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

***First specialist assessment***

<b><i>Definition</i></b>	The date of the first face to face specialist assessment.
<b><i>Column name</i></b>	fsa_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	Sourced from the NBR Booking Entry Assessment table's First assessment date.
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## **Health specialty code**

<b>Definition</b>	A classification describing the specialty or service to which a healthcare user has been assigned, which reflects the nature of the services being provided.
<b>Column name</b>	health_specialty_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(3)
<b>Other names</b>	Health specialty
<b>Context</b>	The health specialty managing a patient's care.
<b>Layout</b>	ANN
<b>Data domain</b>	See the Health Specialty code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	<p>When combined with Booked procedure code, the Health specialty code specifies the type of operation the patient is expected to have.</p> <p>Hospitals use the Health specialty code combined with Clinical code, Clinical code type, and Clinical coding system ID to report to the NBR.</p> <p>The Clinical codes are mapped to a booked procedure by the Ministry. If no explicit mapping exists then they will be mapped to the appropriate 'Other' (99) category for the health specialty.</p> <p>Some procedures are carried out in more than one specialty (eg, varicose veins in both general &amp; vascular surgery) which means that some ICD Codes will map to more than one specialty.</p> <p>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.</p>
<b>Verification rules</b>	<p>Must be a valid active code in the code table.</p> <p>Health Specialty Codes must be supplied with a compatible CPAC Scoring System Code and compatible Clinical Code combination.</p>
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

**Latest active review date**

<b>Definition</b>	The latest priority assessment date for a booking entry assigned to '04' (Active review).
<b>Column name</b>	latest_active_review_date
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	date
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	Oracle datetime field
<b>Data domain</b>	Valid dates
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Sourced from the NBRS Booking Entry Event table's Booking Status Date where it is the most recent date with a Booking Status of '04' (Active review) for a booking entry.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## ***Latest assessor code***

<b><i>Definition</i></b>	The Assessor Code identifying the clinician who provided the last assessment at the date of the snapshot.
<b><i>Column name</i></b>	latest_assessor_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(10)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	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.
<b><i>Layout</i></b>	NNNNNNNNNN
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	Assessor Group Codes have been submitted to NBRS from 1 July 2008. The Latest Assessor Code contains the Assessor Code sent in with the first booking record.
<b><i>Verification rules</i></b>	<p>From 1 July 2008, mandatory for records where booking status code is one of the following:</p> <ul style="list-style-type: none"> <li>01 Book</li> <li>02 Give Certainty</li> <li>04 Active Review</li> <li>05 Defer</li> <li>06 Rebook</li> <li>07 Reassess</li> </ul> <p>Must be supplied when Assessor Group Code is supplied.</p>
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Assessment Event table's Assessor Code from the record with the latest CPAC Assessment date.
<b><i>Related data</i></b>	First Assessor Code, Latest Assessor Group Code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	



## ***Latest assessor group code***

<b><i>Definition</i></b>	The Professional Group Code of the clinician who provided the last assessment at the date of the snapshot.
<b><i>Column name</i></b>	latest_assessor_group_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	char(2)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	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.
<b><i>Layout</i></b>	AA
<b><i>Data domain</i></b>	See the Professional Group Code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a>
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	Must be a valid code in the Professional Group Code table. Must be supplied when Assessor Code is supplied
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	Latest Assessor Code, First Assessor Group Code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Latest booking date***

<b><i>Definition</i></b>	The date when the booking entry was last assigned a booked '01' status.
<b><i>Column name</i></b>	latest_booking_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Event table's Booking status date where it is the most recent date with a Booking status of '01' (Booked) for a booking entry.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Latest clinical responsibility code***

<b>Definition</b>	A code identifying the clinician most recently assuming clinical responsibility for a plan of care decision.												
<b>Column name</b>	latest_clinical_resp_code												
<b>Table name</b>	fact_nbr_booking_snapshot												
<b>Data type</b>	varchar2(10)												
<b>Other names</b>													
<b>Context</b>	Not available publicly.												
<b>Layout</b>													
<b>Data domain</b>													
<b>Guide for use</b>	<p>Ignored where the Booking Status Code is 02 or 20 and the booking status date is before 1 July 2007.</p> <p>From 1 July 2007 mandatory for records where booking status code is one of the following:</p> <table> <tr><td>01</td><td>Book</td></tr> <tr><td>02</td><td>Give Certainty</td></tr> <tr><td>04</td><td>Active Review</td></tr> <tr><td>05</td><td>Defer</td></tr> <tr><td>06</td><td>ReBook</td></tr> <tr><td>07</td><td>ReAssess</td></tr> </table> <p>OR where the booking status code is 20 - Exit and the exit category code is 11 - Treated Electively</p> <p>Must be present if a value is present in the Professional group code.</p>	01	Book	02	Give Certainty	04	Active Review	05	Defer	06	ReBook	07	ReAssess
01	Book												
02	Give Certainty												
04	Active Review												
05	Defer												
06	ReBook												
07	ReAssess												
<b>Verification rules</b>	See Guide for Use												
<b>Collection methods</b>	Sourced from the NBRS Booking Entry Event table's Clinical responsibility code from the record with the latest Booking status date.												
<b>Related data</b>													
<b>Source document</b>													
<b>Source organisation</b>													

## ***Latest deferred by code***

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

**Column name** latest\_deferred\_by\_code

**Table name** fact\_nbr\_booking\_snapshot

**Data type** varchar2(1)

**Other names**

**Context**

**Layout**

**Data domain**

- 1 Deferred by healthcare user
- 2 Deferred by hospital

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

**Verification rules**

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

**Related data**

**Source document**

**Source organisation**

## ***Latest deferred date***

<b><i>Definition</i></b>	The date when the booking entry was last deferred, ie, assigned a status of '05'.
<b><i>Column name</i></b>	latest_deferred_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	If no booking status events for a patient have been submitted subsequently, this will be the same as the First booking status date associated with a Deferred by code.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBR Booking Entry Event table's Booking status date where it is the most recent date with a Booking status of '05' (Deferred) for a booking entry event.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Latest domicile code***

<b><i>Definition</i></b>	Statistics NZ Health Domicile Code representing a persons usual residential address at the time of the snapshot.
<b><i>Column name</i></b>	latest_domicile_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	char(4)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	Required for demographic analysis. Domicile codes are key variables for determining the characteristics of the population that are using the health sector.
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	As for First Domicile Code
<b><i>Verification rules</i></b>	As for First Domicile Code
<b><i>Collection methods</i></b>	As for First Domicile Code
<b><i>Related data</i></b>	First Domicile Code
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	Statistics NZ

**Latest priority assessment date**

<b>Definition</b>	The date of the most recent priority assessment.
<b>Column name</b>	latest_assessment_date
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	date
<b>Other names</b>	Latest CPAC assessment date
<b>Context</b>	
<b>Layout</b>	Oracle datetime field
<b>Data domain</b>	Valid Dates
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Sourced from the NBR Booking Entry Assessment table's CPAC assessment date where it is the most recent date for the booking.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## **Latest priority score**

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

**Column name** latest\_cpac\_score

**Table name** fact\_nbr\_booking\_snapshot

**Data type** varchar2(5)

**Other names** Latest CPAC score

**Context**

**Layout**

**Data domain**

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

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

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

**Verification rules**

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

**Related data** Latest priority scoring system

**Source document**

**Source organisation**



## ***Latest priority scoring system***

<b><i>Definition</i></b>	A code identifying the local, national or nationally recognised prioritisation tool being used for a given (latest) priority assessment.
<b><i>Column name</i></b>	latest_cpac_scoring_syst_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(4)
<b><i>Other names</i></b>	Latest CPAC scoring system
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	Business identifier for Latest Priority Score table.  If a booking has one assessment only, the latest Priority scoring system will be the same as the First priority scoring system.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Assessment table's CPAC scoring system code where it is the most recent code for the booking.
<b><i>Related data</i></b>	Latest priority score
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Latest professional group code***

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

**Column name** latest\_prof\_group\_code

**Table name** fact\_nbr\_booking\_snapshot

**Data type** varchar2(2)

**Other names** Reported as clinical\_responsibility\_group

**Context**

**Layout**

**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.

This field and the latest Clinical responsibility code field contain the latest person who assessed the healthcare user.

From 1 July 2007 DHBs are able to place a code value 'HB' into the Professional Group Code signifying that the value in the Clinical Responsibility Code is a DHB identifier for the clinician (as opposed to another group's identifier).

Other values in the code table remain inactive. These values can be viewed on the Ministry of Health web site at <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.

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
- 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 Professional Group code table.

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

**Verification rules** See Guide for use

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

**Related data** Latest clinical responsibility code

**Source document**

***Source organisation***

## ***Latest residual date***

<b><i>Definition</i></b>	The date when the booking entry was last assigned a residual (03) status.
<b><i>Column name</i></b>	latest_residual_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	If no booking status events for a patient have been submitted subsequently, this may be the same as the first Booking status date with a status of residual.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBR Booking Entry Event table's Booking status date where it is the most recent date with a Booking status of '03' (Residual).
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Latest scheduled date***

<b><i>Definition</i></b>	The scheduled treatment/diagnostic test date for the latest booking (01) or rebooking (06) event for this entry.
<b><i>Column name</i></b>	latest_scheduled_date
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	date
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	Oracle datetime field
<b><i>Data domain</i></b>	Valid dates
<b><i>Guide for use</i></b>	This will only be set for snapshots that are booked, rebooked, or have been exited. If the healthcare user was exited without being booked or rebooked, the field will be null.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	Sourced from the NBRS Booking Entry Event table's Scheduled date where the Booking status date is the most recent date with a booking status of '01' (Booked) or '06' (Rebooked).
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Local booking system entry ID***

<b><i>Definition</i></b>	A code which, within a local facility, uniquely identifies a particular booking entry of an individual healthcare user.
<b><i>Column name</i></b>	client_booking_entry_id
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(14)
<b><i>Other names</i></b>	Reported as local_booking_entry_id
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	Free text
<b><i>Guide for use</i></b>	
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	This is the unique event identifier within the provider's local system.
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## ***Number of active review events***

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

***Column name*** care\_and\_review\_events\_count

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** integer

***Other names*** Number of care and review events

***Context***

***Layout***

***Data domain***

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## ***Number of assessment events***

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

***Column name*** assessment\_events\_count

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** integer

***Other names***

***Context***

***Layout***

***Data domain***

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***



**Number of booking events deferred**

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

**Column name** booking\_events\_count

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Number of deferral events***

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

***Column name*** deferral\_events\_count

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** number

***Other names***

***Context***

***Layout***

***Data domain***

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## **Number of exit events**

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

**Column name** exit\_events\_count

**Table name** fact\_nbr\_booking\_snapshot

**Data type** integer

**Other names**

**Context**

**Layout**

**Data domain**

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

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**

## ***Number of given certainty events***

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

***Column name*** certainty\_events\_count

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** integer

***Other names***

***Context***

***Layout***

***Data domain***

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## ***Number of rebooked events***

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

***Column name*** rebooked\_events\_count

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** integer

***Other names***

***Context***

***Layout***

***Data domain***

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## ***Number of residual events***

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

***Column name*** wait\_list\_events\_count

***Table name*** fact\_nbr\_booking\_snapshot

***Data type*** integer

***Other names***

***Context***

***Layout***

***Data domain***

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## ***Previous booking status code***

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

**Column name** prev\_booking\_status\_code

**Table name** fact\_nbr\_booking\_snapshot

**Data type** varchar2(2)

**Other names**

**Context**

**Layout** NN

**Data domain** See the Booking Status code table on the Ministry of Health web site at <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.

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

An identifier for the Previous Booking Status table.

**Verification rules**

**Collection methods** Sourced from the NBR Booking Entry Event table's Booking status code field.

The Booking Status Code 03 - Residual, has been discontinued from 1 July 2006 and records containing this value are no longer accepted into the NBR transitional database.

**Related data**

**Source document**

**Source organisation**

## ***Principal health service purchaser***

<b><i>Definition</i></b>	The organisation or body that purchased the healthcare service provided. In the case of more than one purchaser, the one who paid the most.
<b><i>Column name</i></b>	purchaser_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(2)
<b><i>Other names</i></b>	Principal purchaser, Health purchaser, Purchaser code, PHP, Purchase code
<b><i>Context</i></b>	Within the current NBRS framework it is only expected that events relating to publicly funded elective services will be submitted.
<b><i>Layout</i></b>	XN
<b><i>Data domain</i></b>	See Principal Health Service Purchaser code table at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For more info or printed copy of the table, contact Analytical Services. See contact details in front of this dictionary.
<b><i>Guide for use</i></b>	<p>Introduced on 1 July 1995.</p> <p>From 1 July 1999, codes '01', '02', '03', and '04' were replaced by '13' (HFA base purchases), that is, the four Regional Health Authorities were integrated into one Health Funding Authority. Waiting times fund codes will continue because some contracts have yet to be completed.</p> <p>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.</p> <p>From 1 July 2007, code '13' HFA base purchase was retired and replaced with '34' MOH-funded purchase and '35' DHB-funded purchase.</p> <p>From 1 July 2009, code '15' BreastScreen Aotearoa was retired and replaced with '35' DHB-funded purchase.</p> <p>'A1' to 'A7' codes are only for health events resulting from accidents that occurred in the one year for which the Accident Insurance Act 1998 applied.</p>
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	<p>Sourced from the NBRS Booking Entry table's Purchaser code field.</p> <p>This will usually be '34' (MOH-funded purchase), but it may change from or to 'A0' (ACC - direct purchase).</p>
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	National Data Policy Group



## **Prioritised ethnicity**

<b>Definition</b>	The most highly prioritised ethnicity of the three ethnic groups recorded for the healthcare user, determined according to a Statistics NZ algorithm.
<b>Column name</b>	prioritised_ethnicity
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(2)
<b>Other names</b>	Ethnicity
<b>Context</b>	
<b>Layout</b>	NN
<b>Data domain</b>	See the Ethnic group code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b>Guide for use</b>	<p>Extracted from the NHI database during the NBRS load process, based on NHI number.</p> <p>Added to the NBRS on 1 March 2002.</p> <p>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.</p> <p>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.</p> <p>Prioritising ethnic codes simplifies analysis.</p>
<b>Verification rules</b>	
<b>Collection methods</b>	Sourced from the NBRS Booking Entry table's Prioritised ethnicity field.
<b>Related data</b>	Ethnic group codes
<b>Source document</b>	
<b>Source organisation</b>	Statistics NZ, modified by the National Data Policy Group

## ***Publicly Funded Flag***

<b><i>Definition</i></b>	Flag to indicate whether the health event is publicly funded.
<b><i>Column name</i></b>	publicly_funded_flag
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(1)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	'Y' or 'N'
<b><i>Guide for use</i></b>	The flag is 'Y' if the Purchaser code is '01', '02', '03', '04', '07', '08', '09', '10', '11', '12', '13', '14', '18','34', '35' or '98'
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## Sex

<b>Definition</b>	The individual's biological sex.
<b>Column name</b>	gender_code
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(1)
<b>Other names</b>	Sex type code
<b>Context</b>	Required for demographic analyses.
<b>Layout</b>	A
<b>Data domain</b>	M    Male F    Female U    Unknown I    Indeterminate
<b>Guide for use</b>	<p>Extracted from the NHI database during the NBRS load process, based on NHI number.</p> <p>Added to the NBRS on 1 March 2002.</p> <p>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).</p> <p>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.</p>
<b>Verification rules</b>	
<b>Collection methods</b>	Sourced from the NBRS Booking Entry table's Sex field.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## **Snapshot month**

<b>Definition</b>	The short name of the month in which the snapshot is taken.
<b>Column name</b>	snapshot_month
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(6)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	AAA
<b>Data domain</b>	Jan to Dec
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	dim_snapshot_month_key
<b>Source document</b>	
<b>Source organisation</b>	

## **Specialty ID**

<b>Definition</b>	A code used to identify a specialty in the key performance indicator reports.
<b>Column name</b>	specialty_id
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(2)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	See Elective Services Reporting Specialties code table in Appendix.
<b>Guide for use</b>	Note that for the purposes of calculating KPI statistics a list of 'valid' specialties is kept for each DHB. This allows the statistics to identify missing but expected information.
<b>Verification rules</b>	
<b>Collection methods</b>	Defined by Elective Services as a set of health specialties summarised to a reporting level.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## **Staged/planned procedure flag**

<b>Definition</b>	A flag indicating whether the procedure is normal, staged, planned or surveillance.
<b>Column name</b>	staged_planned_procedure_flag
<b>Table name</b>	fact_nbr_booking_snapshot
<b>Data type</b>	varchar2(1)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	N
<b>Data domain</b>	<ul style="list-style-type: none"> <li>1 Normal procedure</li> <li>2 Staged procedure</li> <li>3 Planned procedure</li> <li>4 Surveillance procedure</li> </ul>
<b>Guide for use</b>	<p>Staged procedures involve a series of operations at different times to complete treatment. The staged/planned procedure flag field is used so that this can be taken into account during statistical analysis.</p> <p>The four flags include:</p> <p>Normal - the default flag for procedures.</p> <p>Staged - a Staged flag is applied to the second (and any subsequent) in a series of procedures that is required to complete the patient's treatment over a period of time e.g. months or years.</p> <p>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).</p> <p>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.</p> <p>Staged, planned or surveillance procedure flags should not be changed to normal.</p>
<b>Verification rules</b>	<p>Must be a valid code.</p> <p>See Guide for Use</p>
<b>Collection methods</b>	Sourced from the NBRS Booking Entry table's Staged/planned procedure flag.
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## ***Treatment facility code***

<b><i>Definition</i></b>	A code that uniquely identifies a healthcare facility.
<b><i>Column name</i></b>	treatment_facility_code
<b><i>Table name</i></b>	fact_nbr_booking_snapshot
<b><i>Data type</i></b>	varchar2(4)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	The facility where treatment was received.
<b><i>Layout</i></b>	NNNN
<b><i>Data domain</i></b>	See the Facility code table on the Ministry of Health web site at <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables</a> . For further information or a printed copy of the code table, contact Analytical Services.
<b><i>Guide for use</i></b>	<p>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.</p> <p>This may be different from the Facility specified in the booking entry.</p> <p>Should be read in combination with the Contract agency.</p>
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

## NBR KPI Dimension table

**Table name** dim\_nbr\_kpi

**Definition** Holds attributes for each Key Performance Indicator (KPI).

**Primary key** dim\_nbr\_kpi\_key

**Business key** kpi\_statistic\_id

**Guide for use** Reference table.

Identifies the procedures creating the individual KPIs. Used to support the actual loading of KPI data.

**Relational rules**

**Data content**

---



**KPI add data flag**

**Definition** Indicates whether an empty record should be created for the KPI for months when data is not provided or is missing.

**Column name** kpi\_add\_missing\_valid\_flag

**Table name** dim\_nbr\_kpi

**Data type** varchar2(1)

**Other names**

**Context**

**Layout**

**Data domain** Y  
N

**Guide for use** If data is not provided for this statistic (or is not provided yet), this flag indicates whether or not an empty record must be created for the purposes of reporting.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**

**KPI description**

<b>Definition</b>	A description of the key performance indicator.
<b>Column name</b>	kpi_description
<b>Table name</b>	dim_nbr_kpi
<b>Data type</b>	varchar2(250)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Free text
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

**KPI enabled flag**

<b>Definition</b>	Indicates whether the key performance indicator is being actively refreshed.
<b>Column name</b>	kpi_enabled_flag
<b>Table name</b>	dim_nbr_kpi
<b>Data type</b>	varchar2(1)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Y N
<b>Guide for use</b>	If statistics for a KPI are not currently required, the KPI can be disabled by setting this flag to 'N'.
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	KPI statistic ID
<b>Source document</b>	
<b>Source organisation</b>	

***KPI procedure name******Definition******Column name*** kpi\_procedure\_name***Table name*** dim\_nbr\_kpi***Data type*** varchar2(30)***Other names******Context******Layout******Data domain******Guide for use******Verification rules******Collection methods******Related data******Source document******Source organisation***

## ***KPI processing sequence***

<b><i>Definition</i></b>	The sequence number indicating the order in which the key performance indicator should be processed.
<b><i>Column name</i></b>	kpi_processing_sequence
<b><i>Table name</i></b>	dim_nbr_kpi
<b><i>Data type</i></b>	number(5)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	
<b><i>Guide for use</i></b>	Only populated on KPIs that are required to be loaded before other KPIs.
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	

**KPI statistic ID**

<b>Definition</b>	The key performance indicator's business identifier.
<b>Column name</b>	kpi_statistic_id
<b>Table name</b>	dim_nbr_kpi
<b>Data type</b>	number(5)
<b>Other names</b>	Statistic_id
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	
<b>Guide for use</b>	Each Specialty is associated with several KPIs.
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## ***KPI statistic source***

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

***Column name*** kpi\_source

***Table name*** dim\_nbr\_kpi

***Data type*** varchar2(30)

***Other names***

***Context***

***Layout***

***Data domain*** Booking Snapshot  
NBRSQR

***Guide for use***

***Verification rules***

***Collection methods***

***Related data***

***Source document***

***Source organisation***

## ***KPI type***

<b><i>Definition</i></b>	Indicates whether the key performance indicator value is numeric, textual or a date.
<b><i>Column name</i></b>	kpi_indicator_type
<b><i>Table name</i></b>	dim_nbr_kpi
<b><i>Data type</i></b>	varchar2(10)
<b><i>Other names</i></b>	
<b><i>Context</i></b>	
<b><i>Layout</i></b>	
<b><i>Data domain</i></b>	Numeric Text Date
<b><i>Guide for use</i></b>	KPI type indicates the Booking KPI field in which the value will be stored (KPI calculated value, KPI date value, or KPI textual value).
<b><i>Verification rules</i></b>	
<b><i>Collection methods</i></b>	
<b><i>Related data</i></b>	
<b><i>Source document</i></b>	
<b><i>Source organisation</i></b>	



**KPI uses**

<b>Definition</b>	Trim leading & trailing spaces
<b>Column name</b>	kpi_uses
<b>Table name</b>	dim_nbr_kpi
<b>Data type</b>	varchar2(2000)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	
<b>Related data</b>	
<b>Source document</b>	
<b>Source organisation</b>	

## Specialty Dimension table

<b>Table name</b>	dim_specialty
<b>Definition</b>	A classification of medical conditions and procedures that relate to a narrow area of medical knowledge.
<b>Primary key</b>	dim_specialty_key
<b>Business key</b>	specialty_id
<b>Guide for use</b>	Dimension tables are the descriptive or lookup-type tables that link to fact tables. Dimension tables are used to slice-and-dice through fact table data. Each dimension table has an associated procedure for inserting/updating records into the dimension. Additionally, each dimension has a 'get_key' function that is used to return the dimension key value for a given business key (used in preparing fact_table records).
<b>Relational rules</b>	
<b>Data content</b>	

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## Specialty ID

<b>Definition</b>	A code used to identify a specialty in the key performance indicator reports.
<b>Column name</b>	specialty_id
<b>Table name</b>	dim_specialty
<b>Data type</b>	varchar2(3)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	See Elective Services Reporting Specialties code table in Appendix.
<b>Guide for use</b>	Note that for the purposes of calculating KPI statistics a list of 'valid' specialties is kept for each DHB. This allows the statistics to identify missing but expected information.
<b>Verification rules</b>	
<b>Collection methods</b>	Defined by Elective Services as a set of health specialties summarised to a reporting level.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## **Specialty name**

<b>Definition</b>	The name of the Elective Services Reporting specialty.
<b>Column name</b>	specialty_name
<b>Table name</b>	dim_specialty
<b>Data type</b>	varchar2(50)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	See Elective Services Reporting Specialties code table in Appendix.
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Defined by Elective Services as a set of health specialties summarised to a reporting level.
<b>Related data</b>	specialty_id
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## **Type of specialty**

<b>Definition</b>	Defines if the specialty is classed 'medical' or 'surgical'.
<b>Column name</b>	specialty_type
<b>Table name</b>	dim_specialty
<b>Data type</b>	varchar2(1)
<b>Other names</b>	
<b>Context</b>	
<b>Layout</b>	
<b>Data domain</b>	Medical Surgical
<b>Guide for use</b>	
<b>Verification rules</b>	
<b>Collection methods</b>	Table defined by Elective Services giving each health specialty code a type of either medical or surgical.
<b>Related data</b>	health_specialty_code
<b>Source document</b>	
<b>Source organisation</b>	Ministry of Health

## Appendix A: Logical to Physical Table Mapping

The following list shows the mapping of the logical, or business, table name to the actual physical table name.

<b><i>Logical (Business) Table Name</i></b>	<b><i>Physical Table Name</i></b>
NBR Booked Procedure Dimension table	dim_booked_procedure
Booking Status Dimension table	dim_booking_status
NBR CPAC Scoring Dimension table	dim_cpac_scoring
NBR Exit Category Dimension table	dim_exit_category
NBR KPI Dimension table	dim_nbr_kpi
Specialty Dimension table	dim_specialty
Fact NBR Booking KPI table	fact_nbr_booking_kpi
NBR Fact Booking Snapshot table	fact_nbr_booking_snapshot

## Appendix B: List of Shared Dimensions

Dimension tables are the descriptive or lookup-type tables that link to fact tables. This data mart has a number of shared Dimension tables. The definitions for these dimensions are held in a separate data dictionary called "SHARED Dimensions". The table below lists the shared dimensions within this data mart.

<b><i>Dimension Table</i></b>	<b><i>Description</i></b>
<b><i>Affiliation table (dim_affiliation)</i></b>	This table is a matrix of gender and ethnicity code combination. Each row denotes the gender and ethnicity combination applicable to a person at the time of a transaction, i.e. it does not change over time.
<b><i>Age Band table (dim_age_band)</i></b>	This dimension table contains a record for each age from 0 to 115 years. The ages are also grouped into 5 and 10 year age bands, the GMS age bands and the PHO CBF Bands
<b><i>Agency Facility table (dim_agency_facility)</i></b>	This table stores details of organisations, institutions or groups of institutions that contract directly with the principal health service purchaser to deliver healthcare services to the community.  An agency may have a number of facilities (eg, hospita
<b><i>Clinical Code table (dim_clinical_code)</i></b>	A validation table and a repository of all codes contained in: - ICD-9-CM-A 2nd Edition - Australian Version of The International Classification of Diseases, 9th Revision, Clinical Modification, 2nd Edition - ICD-10-AM 1st Edition - The International Stati
<b><i>DHB Reference table (dim_dhb_reference)</i></b>	This reference table contains a list of DHB codes and names.
<b><i>Purchaser Code table (dim_purchaser_code)</i></b>	This table holds values that defines the organisation or body that purchased the healthcare service provided.
<b><i>dim_submitted_coding_system (dim_submitted_coding_system)</i></b>	

## Appendix C: List of Views

The table views used in this datamart are shown below.

<b>View Name</b>	<b>Description</b>
<b>Current Booking Status Dimension view</b> ( <i>dim_curr_booking_status</i> )	A view of the Booking Status Dimension table
<b>Exit Date Dimension view</b> ( <i>dim_exit_date</i> )	A view of the shared Global Time dimension table.
<b>First Assessment Date Dimension view</b> ( <i>dim_first_assessment_date</i> )	A view of the shared Global Time dimension table.
<b>First Assessor Group Dimension view</b> ( <i>dim_first_assessor_group</i> )	A view of the Professional Group dimension table.
<b>First CPAC Scoring Dimension view</b> ( <i>dim_first_cpac_scoring</i> )	A view of the CPAC Scoring dimension table.
<b>First Domicile Code Dimension view</b> ( <i>dim_first_domicile_code</i> )	A view of the shared Geo dimension table.
<b>First Specialist Assessment Date Dimension View</b> ( <i>dim_fsa_date</i> )	A view of the shared Global Time dimension table.
<b>Initial Professional Group Dimension view</b> ( <i>dim_initial_prof_group</i> )	A view on the Professional Group dimension table
<b>Latest Assessor Group view</b> ( <i>dim_latest_assessor_group</i> )	A view of the Professional Group dimension table.
<b>Latest Cpac Scoring view</b> ( <i>dim_latest_cpac_scoring</i> )	A view of the CPAC Scoring dimension table.
<b>Latest Domicile Code view</b> ( <i>dim_latest_domicile_code</i> )	A view of the shared Geo dimension table.
<b>Latest Professional Group view</b> ( <i>dim_latest_prof_group</i> )	A view of the Professional Group dimension table.
<b>Previous Booking Status Dimension view</b> ( <i>dim_prev_booking_status</i> )	A view on the Booking Status Dimension table
<b>Snapshot Month view</b> ( <i>dim_snapshot_month</i> )	A view of the shared Global Time dimension table.
<b>Treat Agency Facility view</b> ( <i>dim_treat_agency_facility</i> )	A view of the shared Agency Facility dimension table.
<b>NBR Fact Booking Snapshot ni</b> ( <i>fact_nbr_booking_snapshot_ni</i> )	A view of the NBR Fact Booking Snapshot table that has neither encrypted or unencrypted HCU ID / NHI number.



## Appendix D: Data Dictionary Template

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**Introduction** This appendix explains how data element attributes are organised in the data dictionary template.

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

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**Template** This table explains the template.

**Administrative status** The operational status (eg, 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

<b>Data type</b>	The type of field in which a data element is held. For example, character, integer, or numeric.
<b>Field size</b>	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.
<b>Layout</b>	The representational layout of characters in data element values expressed by a character string representation. For example: <ul style="list-style-type: none"> <li>- 'CCYYMMDD' for calendar date</li> <li>- 'N' for a one-digit numeric field</li> <li>- 'A' for a one-character field</li> <li>- 'X' for a field that can hold either a character or a digit, and</li> <li>- '\$\$\$,\$\$\$,\$\$\$' for data elements about expenditure.</li> </ul>
<b>Data domain</b>	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 6th Edition.
<b>Guide for use (optional)</b>	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.
<b>Verification rules (optional)</b>	The rules and/or instructions applied for validating and/or verifying elements, in addition to the formal edits.
<b>Collection methods – Guide for providers (optional)</b>	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).
<b>Related data (optional)</b>	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...'
<b>Administrative attributes</b>	
<b>Source document (optional)</b>	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 E: Collection of Ethnicity Data

<b>Introduction</b>	This appendix contains information about collecting and coding ethnic group code data. To help with correct allocations of ethnicities, it includes a detailed list of ethnicities and their corresponding codes.
<b>Points to remember</b>	<ul style="list-style-type: none"> <li>• Ethnicity is self-identified and can change over time.</li> <li>• MOH can record up to three ethnic group codes for a healthcare user.</li> <li>• An algorithm is used to automatically prioritise ethnic group codes if more than one is reported.</li> <li>• If a person chooses not to specify their ethnicity, it should be recorded using a residual code such as '94' (Don't Know), '95' (Refused to Answer) or '99' (Not specified), not as '61' (Other).</li> <li>• The NHI database should be updated if a healthcare user provides a more specific or different specific ethnicity than that already held for that person.</li> </ul>
<b>About ethnicity</b>	<p>The term 'ethnic group' is defined as 'a group of people who have culture, language, history or traditions in common.' Ethnicity is not the same as race, ancestry, or country of birth.</p> <p>Because ethnicity is self-identified, it can change over time. This is why MOH collects ethnicity data whenever information is collected for different datasets, rather than relying on the National Health Index (which does not include historical data).</p> <p>Collecting ethnicity data has always been problematic because of the reluctance of some data providers to collect the information, the unwillingness of some healthcare users to label themselves, and the confusion between ethnicity, nationality, citizenship, and race.</p>
<b>Purpose</b>	Information about ethnicity is used extensively in planning and resourcing health services, developing and monitoring health policies, and measuring health outcomes.
<b>Collection of data</b>	<p>It is very important that the ethnicity data from the health sector is collected in the same way as the data in the Census because rates of hospitalisation are calculated by comparing the two datasets (to determine proportions of the population). The 2001 Census question is provided below as a guide.</p> <p><b>Important:</b> For MOH collections, up to three ethnic group codes can be collected for a healthcare user. Providers should make sure that healthcare users are aware of this. MOH stores all reported ethnic group codes, and also prioritises them based on a Statistics NZ algorithm.</p>

Which ethnic group do you belong to?  
Mark the space or spaces that apply to you.

New Zealand European

Māori

Samoan

Cook Island Māori

Tongan

Niuean

Chinese

Indian

other (such as DUTCH, JAPANESE, TOKELAUAN). Please state:

**Coding data**

Use the Classification of Ethnicity table below to code the healthcare user's ethnic group.

If they have ticked one or more specific ethnicities, or if they have ticked 'other' and written in an ethnicity, look on the table to find the code.

If they have written an invalid ethnicity, such as 'Kiwi' or 'Mainlander', which does not map to any item on the code table, or if they have ticked 'other' but not stated an ethnicity, you can:

- discuss this with them and encourage them to choose a valid ethnic group
- ignore it if one or more other ethnicities are provided, or
- code as '99' (Not specified).

If they write 'New Zealander', this can be coded as '11' (New Zealand European)

If they have written 'pakeha', this can be coded as '11' (New Zealand European).

**'Not Specified' and 'Other'**

If a person chooses not to answer the ethnicity question, record their ethnicity response with an appropriate residual code such as '95' (Refused to Answer) or '99' (Not specified).

**Important:** The code '61' (Other) applied to only 0.037% of the New Zealand population in the 2006 census. It is limited to about 5 ethnic groups (such as Inuit/Eskimos, North, Central or South American Indians, Seychelles Islanders, and Mauritians). It must not be used as a generic 'other' code.

Recording ethnicity as 'Other' or 'Not specified' skews statistics on rates of hospitalisation and this affects health policy. Where possible, encourage healthcare users to choose a valid ethnic group.

### Prioritisation of ethnicity

Many National Data Collections include Prioritised ethnicity. This is the most highly prioritised ethnicity where multiple ethnicity responses have been recorded for the healthcare user (either submitted with the health event/service or extracted from the NHI as part of the data load process). Prioritisation is determined according to a Statistics NZ

Algorithm and prioritising ethnic codes simplifies analysis.

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

ethnic_code	ethnic_code_description	priority
10	European not further defined	21
11	New Zealand European / Pakeha	22
12	Other European	20
21	Maori	1
30	Pacific Peoples not further defined	9
31	Samoan	7
32	Cook Island Maori	6
33	Tongan	5
34	Niuean	4
35	Tokelauan	2
36	Fijian	3
37	Other Pacific Peoples	8
40	Asian not further defined	14
41	Southeast Asian	10
42	Chinese	12
43	Indian	11
44	Other Asian	13
51	Middle Eastern	17
52	Latin American / Hispanic	15
53	African (or cultural group of African origin)	16
54	<i>Other (retired 01/07/2009)</i>	19
61	<i>Other Ethnicity</i>	18
94	<i>Don't Know</i>	94
95	<i>Refused to Answer</i>	95
97	<i>Response Unidentifiable</i>	97
99	Not stated	99

**Detailed code table** The codes used to report ethnicity to MOH are taken from the Statistics NZ Statistical Standard for Ethnicity 2005. This classification is a very detailed 5-digit code: only the first two digits (shown in the table below) are reported to MOH.

Use this table to code healthcare user's self-identified ethnicities.

MOH Ethnicity code	Country of Ethnicity Affiliation
37	Admiralty Islander
44	Afghani
53	African American
53	African nec
53	African nfd
12	Afrikaner
32	Aitutaki Islander
12	Albanian
51	Algerian
12	American (US)
51	Arab
52	Argentinian
12	Armenian
44	Asian nec
40	Asian nfd
51	Assyrian
32	Atiu Islander
37	Austral Islander
12	Australian
37	Australian Aboriginal
12	Austrian
37	Banaban
44	Bangladeshi
37	Belau/Palau Islander
12	Belgian
12	Belorussian
43	Bengali
37	Bismark Archipelagoan
52	Bolivian
12	Bosnian
37	Bougainvillean
52	Brazilian
12	British nec
12	British nfd
12	Bulgarian
12	Burgher
41	Burmese
12	Byelorussian
41	Cambodian
42	Cambodian Chinese
12	Canadian
37	Caroline Islander

MOH Ethnicity code	Country of Ethnicity Affiliation
12	Celtic nfd
61	Central American Indian
37	Chamorro
12	Channel Islander
52	Chilean
42	Chinese nec
42	Chinese nfd
52	Colombian
32	Cook Island Maori nfd
12	Cornish
12	Corsican
52	Costa Rican
52	Creole (Latin America)
53	Creole (US)
12	Croat/Croatian
12	Cypriot nfd
12	Czech
12	Dalmatian
12	Danish
12	Dutch/Netherlands
37	Easter Islander
52	Ecuadorian
51	Egyptian
12	English
53	Eritrean
12	Estonian
53	Ethiopian
44	Eurasian
10	European nfd
12	Falkland Islander/Kelper
36	Fijian (except Fiji Indian/ Indo-Fijian)
43	Fijian Indian/Indo-Fijian
41	Filipino
12	Finnish
12	Flemish
12	French
12	Gaelic
37	Gambier Islander
12	German
53	Ghanian
12	Greek (incl Greek Cypriot)
12	Greenlander

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

MOH Ethnicity code	Country of Ethnicity Affiliation
37	Marshall Islander
32	Mauke Islander
61	Mauritian
52	Mexican
51	Middle Eastern nec
51	Middle Eastern nfd
32	Mitiaro Islander
51	Moroccan
37	Nauru Islander
44	Nepalese
37	New Britain Islander
12	New Caledonian
37	New Georgian
37	New Irelander
11	New Zealander
11	New Zealand European
21	New Zealand Maori
52	Nicaraguan
53	Nigerian
34	Niuean
61	North American Indian
12	Norwegian
99	Not Specified
37	Ocean Islander/Banaban
51	Omani
12	Orkney Islander
53	Other African nec
44	Other Asian nec
12	Other European
61	Other nec
61	Other nfd
41	Other Southeast Asian nec
37	Pacific Peoples nec
30	Pacific Peoples nfd
44	Pakistani
51	Palestinian
32	Palmerston Islander
52	Panamanian
37	Papuan/New Guinean/Irian Jayan
52	Paraguayan
32	Penrhyn Islander
52	Peruvian
37	Phoenix Islander
37	Pitcairn Islander
12	Polish
12	Portuguese
52	Puerto Rican
32	Pukapuka Islander
43	Punjabi
32	Rakahanga Islander

MOH Ethnicity code	Country of Ethnicity Affiliation
32	Rarotongan
12	Romanian/Rumanian
12	Romany/Gypsy
37	Rotuman/Rotuman Islander
12	Russian
31	Samoaan
37	Santa Cruz Islander
12	Sardinian
12	Scottish (Scots)
12	Serb/Serbian
61	Seychelles Islander
12	Shetland Islander
43	Sikh
42	Singaporean Chinese
44	Sinhalese
12	Slavic/Slav
12	Slovak
12	Slovene/Slovenian
37	Society Islander (including Tahitian)
37	Solomon Islander
53	Somali
61	South African coloured
12	South African nec
61	South American Indian
12	South Slav (formerly Yugoslav groups) nfd
12	South Slav (formerly Yugoslav) nec
41	Southeast Asian nfd
12	Spanish
44	Sri Lankan nec
44	Sri Lankan nfd
44	Sri Lankan Tamil
12	Swedish
12	Swiss
51	Syrian
42	Taiwanese Chinese
37	Tahitian (including Society Islander)
43	Tamil
41	Thai/Tai/Siamese
44	Tibetan
35	Tokelauan
33	Tongan
37	Torres Strait Islander/Thursday Islander
37	Tuamotu Islander
51	Tunisian
51	Turkish (incl Turkish Cypriot)
37	Tuvalu Islander/Ellice Islander

MOH Ethnicity code	Country of Ethnicity Affiliation
53	Ugandan
12	Ukrainian
52	Uruguayan
37	Vanuatu Islander/New Hebridean
52	Venezuelan
41	Vietnamese
42	Vietnamese Chinese
37	Wake Islander
37	Wallis Islander
12	Welsh
53	West Indian/Caribbean
37	Yap Islander
51	Yemeni
12	Zimbabwean

nfd = Not further defined

nec = Not elsewhere classified



## Appendix F: Valid Status Code Table

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

## Appendix G: Logical Groups of Elements

### Healthcare User

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

### Diagnosis

Clinical code  
 Clinical code type  
 Clinical coding system ID

### KPI Attributes

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

### Administration

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

### Referral

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

### Entry

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

### In System

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

### Exit

Date exit category assigned  
 Exit category  
 Treatment facility

## Appendix H: Code Table Index

Code table	Location
Agency code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/agency-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/agency-code-table</a>
Assessor code table	See <i>Assessor code</i> .
Assessor group code table	See <i>Assessor group code</i> .
Booked Procedure code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/booked-procedure-values-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</a>
Booking Source code table	See <i>Booking source</i> .
Booking Status code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/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</a>
Clinical Code Type code table	See <i>Clinical code type</i> . <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/clinical-code-type">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/clinical-code-type</a>
Clinical Coding System code table	See <i>Clinical coding system ID</i> . <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/clinical-coding-system-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/clinical-coding-system-code-table</a>
CPAC Score code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/cpac-scoring-system-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</a>
Deferred By code table	See <i>Deferred by</i> .
Domicile code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/domicile-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/domicile-code-table</a>
Ethnic Group code table	See <i>Ethnic group codes</i> . <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/ethnicity-code-tables">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/ethnicity-code-tables</a>
Exit Category code table	See <i>Exit category</i> . <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/exit-category-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/exit-category-code-table</a>
Facility code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/facility-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/facility-code-table</a>
Health Specialty code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/health-specialty-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/health-specialty-code-table</a>
Principal Health Service Purchaser code table	See <i>Principal health service purchaser</i> . <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/principal-health-service-purchaser-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/common-code-tables/principal-health-service-purchaser-code-table</a>
Professional Group code table	<a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/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</a>
Sex Type code table	See <i>Sex</i> .
Staged/Planned Procedure Flag code table	See <i>Staged/planned procedure flag</i> . <a href="http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/staged-planned-procedure-flag-code-table">http://www.health.govt.nz/nz-health-statistics/data-references/code-tables/national-booking-reporting-system-code-tables/staged-planned-procedure-flag-code-table</a>

### Code Tables on Website

For code tables on the Ministry of Health web site 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.

## ***Clinical Coding Systems***

- ICD-9-CM-A 2nd Edition - Australian Version of the International Classification of Diseases, 9<sup>th</sup> Revision, Clinical Modification, 2nd Edition
- ICD-10-AM 1st Edition - The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification, 1st Edition
- ICD-10-AM 2nd Edition - The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification, 2nd Edition
- ICD-10-AM 3rd Edition - The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification, 3rd Edition
- 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
- DSM-IV - Diagnostic and Statistical Manual of Mental Disorders, 4th Edition.

**DHB Code Table**

<b>DHB Code</b>	<b>DHB Name</b>
11	Northland
21	Waitemata
22	Auckland
23	Counties Manukau
31	Waikato
42	Lakes
47	Bay of Plenty
51	Tairāwhiti
61	Hawke's Bay
71	Taranaki
81	MidCentral
82	Whanganui
91	Capital and Coast
92	Hutt
93	Wairarapa
101	Nelson Marlborough
111	West Coast
121	Canterbury
123	South Canterbury
131	Otago
141	Southland
160	Southern
999	Overseas

### ***Elective Services Reporting Specialty Code Table***

<b>Specialty Id</b>	<b>Specialty name</b>
1	Cardiology
2	Cardiothoracic
3	Ear Nose & Throat
4	Ophthalmology
5	Dermatology
6	Endocrinology
7	Gastroenterology
8	General Surgery
9	General Medicine
10	Gynaecology
11	Neurology
12	Neurosurgery
13	Oncology
14	Orthopaedics
15	Paediatric Surgery
16	Paediatric Medicine
17	Plastics
18	Respiratory
19	Rheumatology
20	Urology
21	Vascular
22	Dental
23	Haematology
24	Renal Medicine
25	Infectious Disease
30	Laser
33	Oral Maxillo
34	Thoracic
36	Pain
37	Audiology
38	Paed Urology
39	Spinal
40	Diabetes
41	Immunology
42	Endoscopy
43	Fertility
99	Other

**Priority Scoring Scale table**

CPAC Scoring System Code	CPAC Scoring System Description
1	0 - 100
2	1-5
3	1-20
4	1-100
6	{1,2,3,4,5}
7	{2,3,5}
8	{3,2,1}
9	-5-100
10	0-65
11	10-100
12	0-50
13	1-9
14	0-30
15	2-100
16	0-70
17	1-3
18	A,B,C
19	1-17
20	1-50
21	4-1
22	5-1
23	6-1
24	{00003,00002,00001}
25	A,A/B,B,C
9999	NOT SCORED