Primary Health Organisation

DATA MART - DATA DICTIONARY

Version 1.2
September 2011

MINISTRY OF HEALTH
MANATŪ HAUORA
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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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<th>Page</th>
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</thead>
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</tr>
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</tr>
<tr>
<td>PHO name</td>
<td>107</td>
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<tr>
<td>Practice id</td>
<td>108</td>
</tr>
<tr>
<td>Practice name</td>
<td>109</td>
</tr>
<tr>
<td>Prev PHO Practice table</td>
<td>110</td>
</tr>
<tr>
<td>PHO id</td>
<td>111</td>
</tr>
<tr>
<td>PHO name</td>
<td>112</td>
</tr>
<tr>
<td>Practice id</td>
<td>113</td>
</tr>
<tr>
<td>Practice name</td>
<td>114</td>
</tr>
<tr>
<td>Prev PHO practice_key</td>
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</tr>
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<td>Enrolment status</td>
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</tr>
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<td>Practice type</td>
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<td>PHO PHO table</td>
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<td>DHB</td>
<td>98</td>
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<tr>
<td>DHB Code</td>
<td>99</td>
</tr>
<tr>
<td>Establishment date</td>
<td>100</td>
</tr>
<tr>
<td>Funding formula</td>
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<tr>
<td>PHO</td>
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<tr>
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</tr>
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<td>PHO id</td>
<td>106</td>
</tr>
<tr>
<td>PHO name</td>
<td>107</td>
</tr>
<tr>
<td>Practice id</td>
<td>108</td>
</tr>
<tr>
<td>Practice name</td>
<td>109</td>
</tr>
<tr>
<td>Prev PHO Practice table</td>
<td>110</td>
</tr>
<tr>
<td>PHO id</td>
<td>111</td>
</tr>
<tr>
<td>PHO name</td>
<td>112</td>
</tr>
<tr>
<td>Practice id</td>
<td>113</td>
</tr>
<tr>
<td>Practice name</td>
<td>114</td>
</tr>
<tr>
<td>Prev PHO practice_key</td>
<td>115</td>
</tr>
</tbody>
</table>
Primary Health Organisation Enrolment

**Purpose**
The purpose of the collection is to provide a national collection that holds PHCS patient enrolment data for the following uses:
- To assist PHOs, DHBs and the MoH to report and monitor patient enrolment under the PHCS.
- To provide PHOs, DHBs, MoH and health researchers with population data to assist with population health research.
- To assist PHOs to examine and improve the quality of their enrolment information.

**Content**
The PHO Enrolment is a national collection of publicly funded primary health information for patients enrolled with a PHO. Unit record data is collected and stored.

**Start date**
PHO was established in 2005.

**Guide for use**
The dimensions in the datamart are codes and descriptions, based on reference data. It may be unique to the datamart or it may be common across several systems. Dimension data includes items such as Provider IDs, Health Care User IDs, Ethnic Groups, etc. The facts in the datamart are "events" and "enrolments", based on the PHO registers and FFSvc data captured by MOH within the General Transaction Processing System (GTPS). Extract files are sent to MOH where they are loaded into the datamart tables to facilitate reports and queries.

**Contact information**
For further information about this collection or to request specific datasets or reports, contact the Analytical Services team on ph 04 922 1800, fax 04 922 1899, or e-mail data-enquiries@moh.govt.nz, or visit the MOH web site www.moh.govt.nz.

**Collection methods**
The PHO Enrolment Collection holds and provides access to two key elements of PHCS information:
- Copies of all "Enriched PHO Enrolment Registers" as sent from MOH to PHOs. Any register adjustments are also applied to the collection.
- Copies of all "Fee for Service Wash-up" information as sent from MOH to PHOs. FFS wash-up cost adjustments are also applied to the collection.

**Frequency of updates**
PHO DM receives monthly extracts from MOH

**Security of data**
The PHO Enrolment Collection provides access to different health sector organisations as follows:
- PHOs can access their own enrolled patient information and the FFS wash-up costs for these patients.
- DHBs, the MOH and authorised researchers can access non-identifiable enrolled patient information and non-identifiable FFS wash-up costs.
- Specially authorised Ministry of Health data analysts can access all information held in the collection.

**Privacy issues**
The PHO Enrolment Collection has been designed to protect patient information as required by the Health Act 1956, the Privacy Act 1993 and the Health Information Privacy Code 1994. This ensures that access to identifiable patient information is limited to the PHO where the patient is enrolled and selected MOH personal specifically authorised.

**National reports and publications**
MOH releases monthly standard reports for DHBs via the HIN.
Data provision

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

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

There may be charges associated with data extracts.
**Census Fact table**

**Table name**  
fact_census

**Definition**  
Demographic information on the population of NZ broken out by age, sex, ethnicity and domicile code.  
Source: NZ Statistics.

**Primary key**  
domicile_code, age, gender, census_ethnicity_01, year

**Business key**  
domicile_code, age, gender, census_ethnicity_01, year

**Guide for use**  
Relational Rules  
The Fact table has several foreign keys to dimension tables. These are:

<table>
<thead>
<tr>
<th>Key</th>
<th>LINKED TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>dim_age_band_key</td>
<td>dim_age_band table</td>
</tr>
<tr>
<td>dim_census_affiliation_key</td>
<td>dim_census_affiliation table</td>
</tr>
<tr>
<td>dim_census_geofile_key</td>
<td>dim_census_geofile table</td>
</tr>
</tbody>
</table>

**Relational rules**

**Data content**
Age

**Definition**
The age in years of this group.

**Column name**
age

**Table name**
fact_census

**Data type**
integer

**Data domain**
0 to 105

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Census ethnicity 1996

**Definition**
An ethnicity code used during the 1996 census.

**Column name**
census_ethnicity_96

**Table name**
fact_census

**Data type**
char(2)

**Other names**

**Context**
The 1996 census ethnicity that this ethnic code maps to.

**Layout**
AA

**Data domain**
M NZ Maori
P Pacific Island
O Other

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Census ethnicity 2001

**Definition**
An ethnicity code used during the 2001 census.

**Column name**
census_ethnicity_01

**Table name**
fact_census

**Data type**
char(2)

**Context**
The 1996 census ethnicity that this ethnic code maps to.

**Layout**
AA

**Data domain**
M Maori
E European
A Asian
P Pacific
O Other
N Not Stated

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
DSS Count

**Definition**

**Column name**: dss_count

**Table name**: fact_census

**Data type**: number(1)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Domicile Code

**Definition**
Domicile code

**Column name**
Domicile code

**Table name**
fact_census

**Data type**
char(4)

**Other names**

**Context**

**Layout**
NNNN

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

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>Populations</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>The counted population of this breakdown from the 2001 census.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>population</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_census</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>number(16,9)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>NNNNNNNN.NNNNNNNNN</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td>0.000000000 to 9999999.999999999</td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
Sex

**Definition**  The individual's biological sex.

**Column name**  gender

**Table name**  fact_census

**Data type**  char(1)

**Other names**

**Context**

**Layout**  A

**Data domain**

<table>
<thead>
<tr>
<th>M</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Female</td>
</tr>
</tbody>
</table>

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### Year

**Definition**
The year for which this population is valid.

**Column name**
year

**Table name**
fact_census

**Data type**
integer

**Other names**

**Context**

**Layout**
CCYY

**Data domain**
2001

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
FFS Washup Fact table

Table name: fact_ffs_washup

Definition: The Fee for Service (FFS) Washup table contains a record for each FFS GMS visit where the patient sought care outside his or her nominated PHO Practice.

Primary key

Business key

Guide for use: Relational Rules

The Fact table has several foreign keys to dimension tables. These are:

<table>
<thead>
<tr>
<th>Key</th>
<th>LINKED TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>dim_claim_code_key</td>
<td>dim_claim_code table</td>
</tr>
<tr>
<td>dim_dhb_reference_key</td>
<td>dim_dhb_reference table</td>
</tr>
<tr>
<td>dim_health_care_user_key</td>
<td>dim_health_care_user table</td>
</tr>
<tr>
<td>dim_payee_key</td>
<td>dim_payee table</td>
</tr>
<tr>
<td>dim_payment_date_key</td>
<td>dim_global_time</td>
</tr>
<tr>
<td>dim_pho_key</td>
<td>dim_pho table</td>
</tr>
<tr>
<td>dim_provider_key</td>
<td>dim_provider table</td>
</tr>
<tr>
<td>dim_visit_date_key</td>
<td>dim_global_time</td>
</tr>
</tbody>
</table>

Relational rules

Data content
<table>
<thead>
<tr>
<th><strong>Actual ffs deduction amount</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>actual_ffs_deduction_amount</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_ffs_washup</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>number(13,4)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>NNNNNNNNNNNNN.NN</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
</tbody>
</table>
| **Guide for use**            | Values should be equivalent to GMS claim values. However, reversals and adjustments will need to be reflected within any reconciliation exercise between the two collections.  
Reversals will be reflected as negative values where they occur in a different month from the original GMS claim.  
Column description:  
Actual fee for service (ffs) deduction amount is the dollar value of the GMS claim that is deducted from the PHO's capitation payment due to the fact that a GMS claim has been filed for services rendered to a PHO's enrollee.  
This amount reflects the 'stop loss' feature where the FFS deductions do not occur on the 4th or greater claim for an individual of any given month. |

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Amount payable

**Definition**

deduction amount is the dollar value of the GMS claim that is deducted from the PHO’s capitation payment due to the fact that a GMS claim has been filed for services rendered to a PHO’s enrolee.

**Column name**

amount_payable

**Table name**

fact_ffs_washup

**Data type**

number(13,4)

**Other names**


**Context**


**Layout**


**Data domain**


**Guide for use**

This is different from the ACTUAL FFS deduction amount as there is a stop loss. If a single individual has more than 3 deductions in a given month then the GMS claim value for the 4th and subsequent occurrences is not deducted.

This amount is GST inclusive.

**Verification rules**


**Collection methods**


**Related data**


**Source document**


**Source organisation**
### CBF nhi number

**Definition**  
The NHI number provided by the PHO within a reporting period for a specific patient as validated by HealthPAC.

**Column name**  
cbf_nhi_number

**Table name**  
fact_ffs_washup

**Data type**  
char(7)

**Context**

**Layout**  
AAANNNN

**Data domain**

**Guide for use**

**Verification rules**  
Checked to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
DSS count

Definition

Column name       dss_count
Table name        fact_ffs_washup
Data type         number(1)

Other names

Context

Layout

Data domain

Guide for use

Verification rules

Collection methods

Related data

Source document

Source organisation
**Encrypted cbf nhi**

<table>
<thead>
<tr>
<th><strong>Definition</strong></th>
<th>The enhanced cbf nhi number as validated by HealthPAC, in its encrypted version.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Column name</strong></td>
<td>encrypted_cbf_nhi</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_ffs_washup</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>char(11)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td>The NHI is encrypted in datamarts to ensure the privacy of individual records.</td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>NNNNNNNNNNNN</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td>Must be registered on the NHI before use. There is a verification algorithm which ensures that the NHI number is in the correct format and is valid.</td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
Fee amount

**Definition**
Fee amount as supplied in the FFS Washup extract.

**Column name**
fee_amount

**Table name**
fact_ffs_washup

**Data type**
number(13,4)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### Internal patient id

**Definition**: PHO assigned patient identifier.

**Column name**: internal_patient_id

**Table name**: fact_ffs_washup

**Data type**: varchar2(20)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**: The PHO patient id can change over time. Is not validated against the NHI and can occur in differing formats within the same PHO on occasion.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>Match id</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Code which indicates the veracity of matching the GMS claims against PHO registers.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>match_id</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_ffs_washup</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>varchar2(6)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td>The only values are &quot;1&quot;, &quot;2&quot;, or &quot;1,2&quot;. Where both occur, this indicates that both matches succeeded.</td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
### NHI number

**Definition**
A unique 7-character identification number assigned to a healthcare user by the National Health Index (NHI) database.

**Column name**
nhi_number

**Table name**
fact_ffs_washup

**Data type**
char(7)

**Other names**

**Context**
NHI numbers uniquely identify healthcare users, and allow linking between different data collections.

**Layout**
AAANNNN

**Data domain**

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

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

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th>payee number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
</tr>
<tr>
<td><strong>Column name</strong></td>
</tr>
<tr>
<td><strong>Table name</strong></td>
</tr>
<tr>
<td><strong>Data type</strong></td>
</tr>
<tr>
<td><strong>Other names</strong></td>
</tr>
<tr>
<td><strong>Context</strong></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
</tr>
</tbody>
</table>
PHO Enrolment Fact table

**Table name**  
Fact_Pho_enrolment

**Definition**  
The PHO Enrolment table contains a record for each patient enrollment or registration within a reporting period, i.e., quarterly.

**Primary key**

**Business key**

**Guide for use**

**Relational Rules**  
The Fact table has several foreign keys to dimension tables. These are:

<table>
<thead>
<tr>
<th>Key</th>
<th>LINKED TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>dim_affiliation_key</td>
<td>dim_affiliation table</td>
</tr>
<tr>
<td>dim_age_band_key</td>
<td>dim_age_band table</td>
</tr>
<tr>
<td>dim_consultation_date_key</td>
<td>dim_consultation_date table</td>
</tr>
<tr>
<td>dim_dhb_reference_key</td>
<td>dim_dhb_reference table</td>
</tr>
<tr>
<td>dim_enrolment_date_key</td>
<td>dim_global_time table</td>
</tr>
<tr>
<td>dim_geofile_key</td>
<td>dim_geofile table</td>
</tr>
<tr>
<td>dim_health_care_user_key</td>
<td>dim_health_care_user table</td>
</tr>
<tr>
<td>dim_pho_enrolment_flags_key</td>
<td>dim_pho_enrolment_flags table</td>
</tr>
<tr>
<td>dim_pho_practice_key</td>
<td>dim_pho_practice table</td>
</tr>
<tr>
<td>dim_prev_pho_practice_key</td>
<td>dim_prev_pho_practice table</td>
</tr>
<tr>
<td>dim_provider_key</td>
<td>dim_provider table</td>
</tr>
<tr>
<td>dim_quarter_key</td>
<td>dim_quarter table</td>
</tr>
<tr>
<td>dim_visit_date_key</td>
<td>dim_global_time table</td>
</tr>
</tbody>
</table>

**Data content**

---

Version 1.2
September 2011

MoH
Address uncertainty
Definition: Code from 1 to 10 that indicates level of certainty related to the
gecoding of that particular address.

Column name: address_uncertainty
Table name: fact_pho_enrolment
Data type: integer
Other names:
Context: From a payment perspective, any address with a certainty code of 4 or
less is considered valid for payment purposes. Any code 5 or greater,
the address will hold a ‘0’ value for the quintile.

Layout
Data domain
Guide for use: From a payment perspective, any address with a certainty code of 4 or
less is considered valid for payment purposes. Any code 5 or greater,
the address will hold a ‘0’ value for the quintile.

Verification rules
Collection methods
Related data
Source document
Source organisation
CSC expiry date

**Definition**
Community Services Card (CSC) expiry date is the date upon which a particular person's eligibility for CSC expires.

**Column name**
csc_expiry_date

**Table name**
fact_pho_enrolment

**Data type**
date

**Other names**

**Context**
Community Services Cards enable individuals to receive government subsidised GP visits and Pharmaceutical services.

**Layout**
CCYYMMDD

**Data domain**

**Guide for use**
There will be instances where a CBF claim will be processed for an expired CSC within a quarter. This is a timing issue between expiry and processing of claims.

**Verification rules**
All individual records with a CSC number and expiry date are checked against CSC reference data.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>CSC number</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>The CSC number is an eligibility number. The first 13 digits relate to the individual, the remaining series is date sensitive.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>csc_number</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_pho_enrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>integer</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td>Community Services Cards enable individuals to receive government subsidised GP visits and Pharmaceutical services.</td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td>A person should never have a CSC valid value of 'Y' without an enriched CSC number and Expiry Date being recorded.</td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td>All individual records with CSC number and expiry date will be checked against CSC reference data. Where CSC number is not found, the individual name and date of birth will be checked against CSC reference data (caregiver and dependent).</td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
CSC submitted

**Definition**
This is the CSC submitted flag.

**Column name**
csc_submitted

**Table name**
fact_pho_enrolment

**Data type**
char(1)

**Other names**

**Context**

**Layout**
A

**Data domain**
Y = Yes
N = No

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Careplus end date

**Definition**
This is the expiry date of Care Plus eligibility for that particular person as submitted by the Provider.

**Column name**
careplus_end_date

**Table name**
fact_pho_enrolment

**Data type**
date

**Context**
Care Plus is a programme of enhanced services and funding for individuals with complex and intensive medical conditions.

**Layout**
CCYYMMDD
### Careplus enrolment status

**Definition**
Careplus enrolment status is a Y/N indicator of whether the patient is a careplus enrollee or not.

**Column name**
careplus_enrolment_status

**Table name**
fact_pho_enrolment

**Data type**
char(1)

**Context**

**Layout**
A

**Data domain**
Y = Yes
N = No

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Careplus start date

**Definition**
The date upon which a particular person becomes eligible for Care Plus.

**Column name**
careplus_start_date

**Table name**
fact_phoe_enrolment

**Data type**
date

**Other names**

**Context**
Care Plus is a programme of enhanced services and funding for individuals with complex and intensive medical conditions.

**Layout**
CCYYMMDD

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>DHB name</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Legal name of the District Health Board.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>dhb</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_pho_enrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>varchar2(30)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>Free text</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
### DSS count

<table>
<thead>
<tr>
<th><strong>Definition</strong></th>
<th>Row count column.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Column name</strong></td>
<td>dss_count</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_pho_enrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>integer</td>
</tr>
</tbody>
</table>

**Context**

**Data domain**

**Guide for use**

DSS is Decision Support System.

**Verification rules**

WhereScape Red field.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Date of birth

**Definition**  
The date when a person was born.

**Column name**  
date_of_birth

**Table name**  
fact_pho_enrolment

**Data type**  
date

**Other names**  
Birth date, DOB

**Context**

**Layout**  
DDMMCCYY

**Data domain**  
Valid dates

**Guide for use**

**Verification rules**  
Must be on or before the Date of death, and before the Date of load.

**Collection methods**  
Sourced from the police report or other information available to the coroner.

**Related data**  
Age at death - days  
Age at death - months  
Age at death - years

**Source document**

**Source organisation**
Deprivation quintile

**Definition**  
The deprivation quintile is the score representing the level of socio-economic deprivation of the area where the person resides.

**Column name**  
deprivation_quintile

**Table name**  
fact_pho_enrolment

**Data type**  
integer

**Guide for use**  
Deprivation quintile values should be 0 to 5, where 0 represents a street address that could not be geocoded, 1 represents the least deprived quintile and 5 represents the most deprived quintile.

A quintile 1 is equal to decile 1 and 2  
A quintile 5 is equal to decile 9 and 10

The deprivation index is calculated by the Wellington School of Medicine and the Ministry using NZ Statistics' supplied Census data every five (5) years.
### En careplus end date

**Definition**
This is the enriched (en) expiry date of Care Plus eligibility for that particular person as processed by HealthPAC.

**Column name**
en_careplus_end_date

**Table name**
fact_pho_enrolment

**Data type**
date

**Context**

**Layout**
CCYYMMDD

**Data domain**

**Guide for use**

**Verification rules**
Checked to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En careplus enrolment status

Definition
The Enriched (en) Care Plus enrolment status relates to whether the individual’s PHO is funded or not for Care Plus as processed by HealthPAC.

Column name
en_careplus_enrolment_status

Table name
fact_pho_enrolment

Data type
char(1)

Other names

Context

Layout
A

Data domain
Y = Yes
N = No

Guide for use
Funded equals ‘Y’.

Verification rules
Checked by HealthPAC to confirm that the value is consistent with the business rules.

Collection methods

Related data

Source document

Source organisation
<table>
<thead>
<tr>
<th><strong>En careplus start date</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Enriched (en) Careplus start date is the date upon which a particular person becomes eligible for Care Plus as processed by HealthPAC.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>en_careplus_start_date</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_pho_enrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>date</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td>Care Plus is a programme of enhanced services and funding for individuals with complex and intensive medical conditions.</td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>CCYYMMDD</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td>Checked by HealthPAC to confirm that value is consistent with the business rules.</td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
En csc expiry date

Definition
Enriched (en) Community Services Card (CSC) expiry date is the date upon which a particular person's eligibility for CSC expires as processed by HealthPAC.

Column name
en_csc_expiry_date

Table name
fact_pho_enrolment

Data type
date

Other names

Context
Community Services Cards enable individuals to receive government subsidised GP visits and Pharmaceutical services.

Layout
CCYYMMDD

Data domain

Guide for use
There will be instances where a CBF claim will be processed from an expired CSC within a quarter. This is a timing issue between expiry and processing of claims.

Verification rules:
Checked by HealthPAC to confirm that value is consistent with the business rules.

All individual records with a CSC number and expiry date are checked against CSC reference data.
Any card found for an individual that is valid and has an expiry date not more than four months prior to register submission will be assigned a CSC status. Checked by HealthPAC to confirm that value is consistent with the business rules.

All individual records with a CSC number and expiry date are checked against CSC reference data.
Any card found for an individual that is valid and has an expiry date not more than four months prior to register submission will be assigned a CSC status. Checked by HealthPAC to confirm that value is consistent with the business rules.

All individual records with a CSC number and expiry date are checked against CSC reference data.
Any card found for an individual that is valid and has an expiry date not more than four months prior to register submission will be assigned a CSC status.

Verification rules

Collection methods

Related data

Source document

Source organisation
<table>
<thead>
<tr>
<th><strong>Column name</strong></th>
<th>en_csc_number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table name</strong></td>
<td>fact_pho_enrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>integer</td>
</tr>
</tbody>
</table>

**Definition**
Enriched (en) CSC number is the eligibility number as processed by HealthPAC. The first 13 digits relate to the individual, the remaining series is date sensitive.

**Context**
Community Services Cards enable individuals to receive government subsidised GP visits and Pharmaceutical services.

**Guide for use**
A person should never have a CSC valid value of 'Y' without an enriched CSC number and Expiry Date being recorded.

**Verification rules**
Checked by HealthPAC to confirm that value is consistent with the business rules.

**Related data**

**Source document**

**Source organisation**
En csc valid

**Definition**  
A flag to indicate if the PHO Community Services Card details were found to be valid.

**Column name**  
en_csc_valid

**Table name**  
fact_pho_enrolment

**Data type**  
char(1)

**Other names**

**Context**

**Layout**  
A

**Data domain**  
Y or N

**Guide for use**  
HealthPAC derived value. Valid value of "Y".

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En deprivation quintile

**Definition**
Enriched (en) deprivation quintile is the score representing the level of socio-economic deprivation of the area where the person resides as processed by HealthPAC.

**Column name**
en_deprivation_quintile

**Table name**
fact_pho_enrolment

**Data type**
integer

**Context**

**Layout**

**Data domain**

**Guide for use**
Deprivation quintile values should be 0 to 5, where 0 represents a street address that could not be geocoded, 1 represents the least deprived quintile and 5 represents the most deprived quintile.

**Verification rules**
Checked by HealthPAC to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### En dhb

**Definition**
Enriched (en) DHB name is the legal name of the District Health Board as processed by HealthPAC.

**Column name**
en_dhb

**Table name**
fact_pho_enrolment

**Data type**
varchar2(30)

**Other names**

**Context**

**Layout**
Free text

**Data domain**

**Guide for use**
This is derived from the enrolee's address as provided within the extract. An enrolee may choose to register with a PHO outside of his/her DHB area.

**Verification rules**
Checked during HealthPAC processing to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En health care user id

**Definition**
Enriched (en) health care user id is the NHI number provided by the PHO within a reporting period for a specific patient as validated by HealthPAC.

**Column name**
en_health_care_user_id

**Table name**
fact_pho_enrolment

**Data type**
char(7)

**Other names**

**Context**

**Layout**
AAAAAAA

**Data domain**

**Guide for use**

**Verification rules**
Checked during HealthPAC processing to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
# En huhc expiry date

**Definition**
Enriched (en) High User Health Card (HUHC) expiry date is the date upon which a particular person’s eligibility for HUHC expires as processed by HealthPAC.

**Column name**
en_huhc_expiry_date

**Table name**
fact_pho_enrolment

**Data type**
date

**Other names**

**Context**
The HUHC is granted to individuals based on their having 12 or more GP consultations within a previous 12 month period. A GP must complete an application form on behalf of their patient.

**Layout**
CCYYMMDD

**Data domain**

**Guide for use**
There will be instances where a CBF claim will be processed for an expired HUHC within a quarter. This is a timing issue between expiry and processing of claims.

Verification rules:

Checked during HealthPAC processing to confirm that value is consistent with the business rules.

Where the HUHC number associated with NHI number is found, its expiry date is not more than one month prior to date of register submission and the card is not declined or cancelled, then the individual record is marked as a HUHC holder and an enriched (en) record is generated.

Where an HUHC number is found with a matching DOB and gender, its expiry date is not more than one month prior to date of register submission and the card is not declined or cancelled, then the individual record is marked as a HUHC holder and an enriched (en) record is generated.

Verification rules

Collection methods

Related data

Source document

Source organisation
En huhc number

**Definition**
Enriched (en) High Use Health Card (Huhc) number as processed by HealthPAC.

**Column name**
en_huhc_number

**Table name**
fact_pho_enrolment

**Data type**
integer

**Other names**

**Context**
The High Use Health Card (Huhc) is granted to individuals based on their having 12 or more GP consultations within a previous 12 month period. A GP must complete an application form on behalf of their patient.

**Layout**

**Data domain**

**Guide for use**

**Verification rules**
Checked during HealthPAC processing to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En huhc valid

**Definition**
A flag to indicate if the PHO HUHC details were found to be valid.

**Column name**
en_huhc_valid

**Table name**
fact_pho_enrolment

**Data type**
char(1)

**Other names**

**Context**

**Layout**
A

**Data domain**
Y or N

**Guide for use**
HealthPAC derived value. Valid value of 'Y'.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En meshblock

**Definition**
The enriched (en) meshblock is the smallest geographic area used by Statistics New Zealand in the collection and/or processing of data as validated by HealthPAC.

**Column name**
en_meshblock

**Table name**
fact_pho_enrolment

**Data type**
varchar2(7)

**Other names**

**Context**

**Layout**
NNNNNNN

**Data domain**

**Guide for use**
In the context of the PHO, meshblock relates to the person.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En nhi matching type

**Definition**
Enriched (en) NHI matching type indicates the method in which the reported NHI was validated against the NHI Register during HealthPAC processing.

**Column name**
en_nhi_matching_type

**Table name**
fact_pho_enrolment

**Data type**
char(1)

**Other names**

**Context**

**Layout**
A

**Data domain**
D, V, M

**Guide for use**
Values contained are:

D = direct match - all details for the NHI reported are equal to those recorded within the NHI Register.

V = the reported NHI number and the Date of Birth match those recorded upon the NHI Register.

M = a manual match. Search was manually carried out to verify details.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En patient death date

**Definition**
The date of the patients death

**Column name**
en_patient_death_date

**Table name**
fact_pho_enrolment

**Data type**
date

**Other names**

**Context**

**Layout**
CCYYMMDD

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### En x coordinate

**Definition**
The enriched (en) X coordinate is the longitude value used in conjunction with the Y coordinate to model a patient's address's true spherical position on the earth's surface as validated by HealthPAC processing.

**Column name** en_x_coordinate

**Table name** fact_pho_enrolment

**Data type** integer

**Context**

**Layout**

**Data domain**

**Guide for use** In the format `-dd.mm`, for example `-40.00?.`

**Verification rules** Checked during HealthPAC processing to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
En y coordinate

**Definition**
The enriched (en) Y coordinate is the latitude value used in conjunction with the X coordinate to model a patient's address's true spherical position on the earth's surface as validated by HealthPAC processing.

**Column name**
en_y_coordinate

**Table name**
fact_pho_enrolment

**Data type**
integer

**Context**

**Layout**

**Data domain**

**Guide for use**
In the format ddd.mm, for example `175.00?`.

**Verification rules**
Checked during HealthPAC processing to confirm that value is consistent with the business rules.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Encrypted NHI number

**Definition**
The NHI number in encrypted form.

**Column name**
encrypted_hcu_id

**Table name**
fact_pho_enrolment

**Data type**
varchar2(11)

**Other names**
Encrypted HCU identifier, Encrypted NHI, etc. See other names for the NHI number under Guide for use.

**Context**
The NHI number is the cornerstone of NZHIS’s data collections. It is a unique 7-character identification number assigned to a healthcare user by the National Health Index (NHI) database. The NHI number uniquely identifies healthcare users, and allows link

**Layout**
AAAAAAAAAAAAA

**Data domain**
System-generated

**Guide for use**

THE NHI NUMBER
The NHI number is also known as National Health Index, HCU identifier, NHI, HCU, HCU Number, Healthcare User identifier, HCU identification number, NMPI number, Hospital Number, Patient Number.

When duplicate records for a healthcare user are merged, one of their NHI numbers will be deemed to be the master (or primary), and the others become event (or secondary) NHI numbers. This does not affect which NHI numbers are used in local systems.

The NHI number that is sent in by the data provider is encrypted during the loading process. Only this encrypted NHI number is stored.

For the analysis of healthcare information relating to a unique individual, the master NHI number should be used. Please contact inquiries@nzhis.co.nz for further information on how to obtain the master encrypted NHI number if you are performing your own data extraction.

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. The Encrypted NHI number is not considered personally identifying.

NZHIS will return data containing unencrypted NHI numbers to providers who have sent it in. 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.

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

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

**Verification rules**
Must be registered on the NHI before use.

There is a verification algorithm which ensures that the NHI number is in the correct format and is valid.
Collection methods
NHI numbers are often included on patient notes and other patient documentation. New numbers can be allocated by health providers who have direct access to the NHI Register.

Related data
Source document
http://www.nzhis.govt.nz/nhi/ for more information on the NHI number
Source organisation
NZHIS
Encrypted hcu status

Definition

Column name: encrypted_hcu_status
Table name: fact_pho_enrolment
Data type: char(1)
Other names: 

Context

Layout: A
Data domain: 
E = Encrypted
F = Failed
B = Blank

Guide for use

The 'Encrypted hcu status' allows for detailed analysis of the data quality of NHI information. It distinguishes between an invalid NHI number and one that is blank.

Column description:

This is a flag to indicate whether the NHI number was encrypted or not.

E indicates that the NHI number sent in the PHO extract was valid and the Encrypted HCU ID contains a valid encrypted NHI number.

F indicates that the NHI number sent in the PHO extract was invalid and the Encrypted HCU ID has been set to '0000000000'.

B indicates that no NHI number was sent in the PHO extract and the Encrypted HCU ID has been set to '0000000000'.
Ethnic group 1

*Definition*  
Patient's self-identified primary ethnicity code. Patient may have up to three ethnic codes.

*Column name*  
ethnic_group_1

*Table name*  
fact_pho_enrolment

*Data type*  
char(2)

*Other names*  

*Context*  

*Layout*  
NN

*Data domain*  

*Guide for use*  
Individual ethnicity is derived from the ethnicity fields in the individual register. If any of these fields is Maori or Pacific Island (codes 21, 30-37), the person is coded 'Maori/Pacific Island'. Otherwise, the record is coded as 'non Maori Pacific Island, and this applies to invalid values as well?. Note: invalid values are accepted within the HealthPAC CBF processing.

Context:

The follow list outlines ethnicity codes accepted by CBF:

<table>
<thead>
<tr>
<th>Group Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>European not further defined</td>
</tr>
<tr>
<td>11</td>
<td>NZ European / Pakeha</td>
</tr>
<tr>
<td>12</td>
<td>Other European</td>
</tr>
<tr>
<td>21</td>
<td>NZ Maori</td>
</tr>
<tr>
<td>30</td>
<td>Pacific Island not further defined</td>
</tr>
<tr>
<td>31</td>
<td>Samoan</td>
</tr>
<tr>
<td>32</td>
<td>Cook Island Maori</td>
</tr>
<tr>
<td>33</td>
<td>Tongan</td>
</tr>
<tr>
<td>34</td>
<td>Niuean</td>
</tr>
<tr>
<td>35</td>
<td>Tokelauan</td>
</tr>
<tr>
<td>36</td>
<td>Fijian</td>
</tr>
<tr>
<td>37</td>
<td>Other Pacific Island</td>
</tr>
<tr>
<td>40</td>
<td>Asian not further defined</td>
</tr>
<tr>
<td>41</td>
<td>South East Asian</td>
</tr>
<tr>
<td>42</td>
<td>Chinese</td>
</tr>
<tr>
<td>43</td>
<td>Indian</td>
</tr>
<tr>
<td>44</td>
<td>Other Asian</td>
</tr>
<tr>
<td>51</td>
<td>Middle Eastern</td>
</tr>
<tr>
<td>52</td>
<td>Latin American / Hispanic</td>
</tr>
<tr>
<td>53</td>
<td>African</td>
</tr>
<tr>
<td>54</td>
<td>Other</td>
</tr>
<tr>
<td>98</td>
<td>Declined to State</td>
</tr>
<tr>
<td>99</td>
<td>Not Stated</td>
</tr>
</tbody>
</table>

*Verification rules*  

*Collection methods*  

*Related data*  

*Source document*  

*Source organisation*
Ethnic group 2

**Definition**
Patient's self-identified secondary ethnicity code. Patient may have up to three ethnic codes.

**Column name**
esthetic_group_2

**Table name**
fact_pho_enrolment

**Data type**
char(2)

**Other names**

**Context**
Please refer to Context section under Guide for use for Ethnic group 1.

**Layout**
NN

**Data domain**

**Guide for use**
Individual ethnicity is derived from the ethnicity fields in the individual register. If any of these fields is Maori or Pacific Island (codes 21, 30-37), the person is coded 'Maori/Pacific Island'. Otherwise, the record is coded as 'non Maori Pacific Island, and this applies to invalid values as well?. Note: invalid values are accepted within the HealthPAC CBF processing.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Ethnic group 3

**Definition**
Patient's self-identified tertiary ethnicity code. Patient may have up to three ethnic codes.

**Column name**
ethnic_group_3

**Table name**
fact_pho_enrolment

**Data type**
char(2)

**Other names**

**Context**
Please refer to Context section under Guide for use for Ethnic group 1.

**Layout**
NN

**Data domain**

**Guide for use**
Individual ethnicity is derived from the ethnicity fields in the individual register. If any of these fields is Maori or Pacific Island (codes 21, 30-37), the person is coded `Maori/Pacific Island`. Otherwise, the record is coded as `non Maori Pacific Island`, and this applies to invalid values as well. Note: invalid values are accepted within the HealthPAC CBF processing.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
First contact care

**Definition**
First contact care is the quarterly dollar value per capita, associated with general practice care and is GST exclusive.

**Column name**
first_contact_care

**Table name**
fact_pho_enrolment

**Data type**
number(13,4)

**Context**

**Layout**
NNNNNNNNNNNN.NNNN

**Data domain**

**Guide for use**

**Verification rules**
As from 16-12-05, if field value is NULL then replace with '0'.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Gender

**Definition**
The individual's gender is either male, female or unknown.

**Column name**
gender

**Table name**
fact_pho_enrolment

**Data type**
char(1)

**Other names**

**Context**

**Layout**
A

**Data domain**
M = Male
F = Female
U = Unknown
I = Indeterminate

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Health care user id

**Definition**
The NHI number provided by the PHO within a reporting period for a specific patient.

**Column name**
health_care_user_id

**Table name**
fact_pho_enrolment

**Data type**
char(7)

**Context**

**Layout**
AAAAAAA

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Health promotion

**Definition**
Health promotion is the quarterly per capita dollar value for population based health promotion services and is GST exclusive.

**Column name**
health_promotion

**Table name**
fact_pho_enrolment

**Data type**
number(13,4)

**Other names**

**Context**

**Layout**
NNNNNNNNNNNNN.NNNN

**Data domain**

**Guide for use**

**Verification rules**
As from 16-12-05, if field value is NULL then replace with ‘0’.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Huhec expiry date

**Definition**
High User Health Card (HUHC) expiry date is the date upon which a particular person's eligibility for HUHC expires.

**Column name**
huhc_expiry_date

**Table name**
fact_pho_enrolment

**Data type**
date

**Other names**

**Context**
The HUHC is granted to individuals based on their having 12 or more GP consultations within a previous 12 month period. A GP must complete an application form on behalf of their patient.

**Layout**
CCYYMMDD

**Data domain**

**Guide for use**
There will be instances where a CBF claim will be processed for an expired HUHC within a quarter. This is a timing issue between expiry and processing of claims.

**Verification rules**
All individual records with NHI number, HUHC number, and expiry date will be checked against HUHC reference data and NHI database.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>Huhc number</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
</tr>
<tr>
<td><strong>Column name</strong></td>
</tr>
<tr>
<td><strong>Table name</strong></td>
</tr>
<tr>
<td><strong>Data type</strong></td>
</tr>
<tr>
<td><strong>Other names</strong></td>
</tr>
<tr>
<td><strong>Context</strong></td>
</tr>
</tbody>
</table>

**Layout**

**Data domain**

**Guide for use**

Verification rules:

All individual records with NHI number, HUHC number, and expiry date will be checked against HUHC reference data and NHI database.

Where the HUHC number associated with NHI number is found, its expiry date is not more than one month prior to date of register submission and the card is not declined or cancelled, then the individual record is marked as a HUHC holder and an enriched (en) record is generated.

Where an HUHC number is found with a matching DOB and gender, its expiry date is not more than one month prior to date of register submission and the card is not declined or cancelled, then the individual record is marked as a HUHC holder and an enriched (en) record is generated.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Huhc submitted

**Definition**
This is the HUHC submitted flag.

**Column name**
huhc_submitted

**Table name**
fact_pho_enrolment

**Data type**
char(1)

**Context**

**Layout**
A

**Data domain**
`Y` or `N`.

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Meshblock

**Definition**
The meshblock is the smallest geographic area used by Statistics New Zealand in the collection and/or processing of data.

**Column name**
meshblock

**Table name**
fact_pho_enrolment

**Data type**
varchar2(7)

**Other names**

**Context**

**Layout**
NNNNNNN

**Data domain**

**Guide for use**
The meshblock is the building block for aggregation into larger areas such as area units and urban areas. Meshblocks vary in both population and area size - from an extensive tract of sparsely populated rural land to a city block. Established in 1976, urban meshblocks contained an average of 150-200 persons while rural meshblocks generally had fewer (100-150 persons on average). Subsequent division of meshblocks and changes in population patterns have resulted in meshblock population counts having considerable range. There are meshblocks with nil population and some with over 500 population.

From 1991 an annual meshblock pattern was instituted - The annual pattern is used for the full calendar year from 1 January and applies to the timing of the survey - not necessarily when the data is processed.

While the meshblock pattern is continually under review, 'freezes' on changes to the pattern are applied periodically. Such 'freezes' are imposed at the time of population censuses and during periods of intense electoral activity (e.g. general and local body elections).

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
**Message id**

**Definition**
The Message Control identifier used by HealthPAC.

**Column name**
message_id

**Table name**
fact_phoe_enrolment

**Data type**
varchar2(31)

**Other names**

**Context**

**Layout**
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Organisation Id

**Definition**

The assigned Organisation Identifier (Perorg ID) from the Ministry of Health’s Contract Management System (CMS).

**Column name**

organisation_id

**Table name**

fact_pho_enrolment

**Data type**

integer

**Other names**


**Context**

This number links the Organisation and the legal entity that the DHB holds a contract with.

**Layout**


**Data domain**


**Guide for use**

The term Organisation is being used as the common term replacing and representing PHO and the earlier PCO. Note: That the presence of the term Organisation implies either / both PCO / PHO.

**Verification rules**


**Collection methods**


**Related data**


**Source document**


**Source organisation**


Organisation name

**Definition**
Organisation name relates to the PHO's PMS system assigned name.

**Column name**
organisation_name

**Table name**
fact_pho_enrolment

**Data type**
varchar2(30)

**Other names**

**Context**

**Layout**
Free text

**Data domain**

**Guide for use**
Refer to Perorg Name, rather than use this name.

This field is marked 'internal use only' as Primary Care data quality results show better query results and completeness of data using the Perorg Name.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>PHO patient id</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>The PHO patient ID refers to the ID assigned by the PHO.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>pho_patient_id</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_pho_enrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>varchar2(20)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>Free text</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td>The PHO patient ID can change over time. Is not validated against the NHI and can occur in differing formats within the same PHO on occasion.</td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
Patient address 1

**Definition**  
First line of the patient's address.

**Column name**  
patient_address_1

**Table name**  
fact_pho_enrolment

**Data type**  
varchar2(35)

**Other names**

**Context**

**Layout**  
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Patient address 2

**Definition**
Second line of the patient's address.

**Column name**
patient_address_2

**Table name**
fact_pho_enrolment

**Data type**
varchar2(30)

**Context**
Free text

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Patient age category

**Definition**
Patient age category is a method used to categorise specific age groupings to allow captitation payment processing.

**Column name**
patient_age_category

**Table name**
fact_pho_enrolment

**Data type**
integer

**Guide for use**
Values are a number from 1 to 6, used within the payment process as the capitation payment rate tables are organised into 6 groups. Each group representing a differing age category.

1 equals 0 to 4  
2 equals 5 - 14  
3 equals 15 - 24  
4 equals 25 - 44  
5 equals 45 to 64, and  
6 equals 65 and above
Patient city

**Definition**
The city where the patient resides.

**Column name**
patient_city

**Table name**
fact_pho_enrolment

**Data type**
varchar2(30)

**Other names**

**Context**

**Layout**
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
## Patient ethnic category

**Definition**: Patient ethnic category identifies an individual as 'Maori or Pacific Islander' or not.

**Column name**: patient_ethnic_category

**Table name**: fact_pho_enrolment

**Data type**: char(1)

**Other names**: 

**Context**

**Layout**: A

**Data domain**: Y or N

**Guide for use**: Y equals Yes, Maori or Pacific Islander.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Patient family name

**Definition**
Family name of the patient.

**Column name**
patient_family_name

**Table name**
fact_pho_enrolment

**Data type**
varchar2(25)

**Other names**

**Context**

**Layout**
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Patient first given name

**Definition**  
First name of the patient.

**Column name**  
patient_first_given_name

**Table name**  
fact_pho_enrolment

**Data type**  
varchar2(20)

**Other names**

**Context**

**Layout**  
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### Patient second given name

<table>
<thead>
<tr>
<th><strong>Definition</strong></th>
<th>Second name of the patient.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Column name</strong></td>
<td>patient_second_given_name</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>fact_phenrolment</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>varchar2(20)</td>
</tr>
</tbody>
</table>

#### Layout
Free text

#### Data domain

#### Guide for use

#### Verification rules

#### Collection methods

#### Related data

#### Source document

#### Source organisation
Patient suburb

**Definition**
The suburb where the patient resides.

**Column name**
patient_suburb

**Table name**
fact_pho_enrolment

**Data type**
varchar2(30)

**Other names**

**Context**

**Layout**
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Patient third given name

**Definition**  
Third name of the patient.

**Column name**  
patient_third_given_name

**Table name**  
fact_pho_enrolment

**Data type**  
varchar2(20)

**Other names**

**Context**

**Layout**  
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Pid status

**Definition**
PID status is a HealthPAC derived data field populated from CBM3_Status.

**Column name**
pid_status

**Table name**
fact_pho_enrolment

**Data type**
varchar2(20)

**Context**

**Layout**

**Data domain**
OK

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th>Practice id</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
</tr>
<tr>
<td><strong>Column name</strong></td>
</tr>
<tr>
<td><strong>Table name</strong></td>
</tr>
<tr>
<td><strong>Data type</strong></td>
</tr>
<tr>
<td><strong>Other names</strong></td>
</tr>
<tr>
<td><strong>Context</strong></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
</tr>
</tbody>
</table>
Practice name

**Definition**
The name of a practice as assigned by the PHO.

**Column name**
practice_name

**Table name**
fact_pho_enrolment

**Data type**
varchar2(35)

**Context**
Free text

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Services to improve access

**Definition**
Services to improve access is the quarterly per capita dollar amount associated with services to improve access to care for high need persons. GST exclusive.

**Column name**
services_to_improve_access

**Table name**
fact_pho_enrolment

**Data type**
number(13,4)

**Other names**

**Context**

**Layout**
NNNNNNNNNNNNN.NNNN

**Data domain**

**Guide for use**

**Verification rules**
As from 16-12-05, if field value is NULL then replace with '0'.

**Collection methods**

**Related data**

**Source document**

**Source organisation**


### X coordinate

**Definition**  
The X coordinate is the longitude value used in conjunction with the Y coordinate to model a patient's address's true spherical position on the earth's surface.

**Column name**  
x_coordinate

**Table name**  
fact_pho_enrolment

**Data type**  
integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**  
In the format `-dd.mm`, for example `-40.00?`.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Y coordinate

Definition
The Y coordinate is the latitude value used in conjunction with the X coordinate to model a patient's address's true spherical position on the earth's surface.

Column name
y_coordinate

Table name
fact_pho_enrolment

Data type
integer

Other names

Context

Layout

Data domain

Guide for use
In the format  ddd.mm, for example `175.00`.

Verification rules

Collection methods

Related data

Source document

Source organisation
Year quarter

**Definition**
Year and quarter index, e.g., 2004 Q1; 2004 Q2

**Column name**
year_quarter

**Table name**
fact_pho_enrolment

**Data type**
char(8)

**Other names**

**Context**

**Layout**
YYYY Qn

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Zero Fees for Under Sixes

**Definition**
Funding Level applicable for Zero Cost for Under 6s services (U6).

**Column name**
u6_payment

**Table name**
fact_pho_enrolment

**Data type**
number(13,4)

**Other names**

**Context**
Practice level services.

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### vlca payment

**Definition**  
Funding Level applicable for VLCA (Very Low Cost Access).

**Column name**  
vlca_payment

**Table name**  
fact_pho_enrolment

**Data type**  
number(13,4)

**Other names**

**Context**  
Practice level services.

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
PHO Enrolment Flags table

Table name: dim_pho_enrolment_flags

Definition: The PHO enrolment flags dimension is a matrix of enrolment status flags for a patient enrolled within a PHO.

Primary key: dim_pho_enrolment_flags_key

Business key: enrolment_status, practice_type, careplus_enrolment_status

Guide for use: Each record contains 3 flags, this dimension hold every combination available of those flags. Each patient is linked to the record containing the appropriate combination of flags to describe their enrolment.

Relational rules:

Data content: 
Careplus enrolment status

**Definition**
Careplus enrolment status is a Y/N indicator of whether the patient is a careplus enrollee or not.

**Column name**
careplus_enrolment_status

**Table name**
dim_pho_enrolment_flags

**Data type**
char(1)

**Context**

**Data domain**
Y = Yes
N = No

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Enrolment status

**Definition**
Enrolment status indicates whether the patient is enrolled or registered with the PHO.

**Column name**
enrolment_status

**Table name**
dim_pho_enrolment_flags

**Data type**
varchar2(20)

**Context**

**Layout**

**Data domain**
ENROLLED
REGISTERED

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### Practice type

**Definition**
Practice type is the status that the practice has, e.g., access or interim.

**Column name**
practice_type

**Table name**
dim_pho_enrolment_flags

**Data type**
varchar2(20)

**Other names**

**Context**

**Layout**

**Data domain**
ACCESS
INTERIM

**Guide for use**

An Access PHO is one where more than 50% of its enrolled users are high need (Maori, Pacific, Other ethnicity NZdep 9 or 10). Access PHOs must guarantee low co-payments to all enrolled users. The precise level of co-payments are by agreement with the DHB. Interim PHOs are those that do not meet the Access PHO criteria.

An Interim PHO that has some practices that meet with Access criteria. In those cases, the specific practices are eligible to receive Access rates, while the rest of the PHO receives Interim rates.

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### PHO PHO table

<table>
<thead>
<tr>
<th>Table name</th>
<th>dim_pho_pho</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Secured view of dim_dhb_reference</td>
</tr>
<tr>
<td><strong>Primary key</strong></td>
<td>dim_pho_key</td>
</tr>
<tr>
<td><strong>Business key</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Relational rules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Data content</strong></td>
<td></td>
</tr>
</tbody>
</table>
DHB

**Definition**

**Column name**  dhb

**Table name**  dim_pho_pho

**Data type**  varchar2(64)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### DHB Code

**Definition**

- **Column name**: dhb_code
- **Table name**: dim_php_pho
- **Data type**: varchar2(64)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### Establishment date

**Definition**

**Column name**  
date_of_establishment

**Table name**  
dim_pho_pho

**Data type**  
date

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Funding formula

Definition

Column name funding_formula
Table name dim_pho_pho
Data type varchar2(64)

Other names

Context

Layout

Data domain

Guide for use

Verification rules

Collection methods

Related data

Source document

Source organisation
PHO

**Definition**

**Column name**: pho

**Table name**: dim_pho_pho

**Data type**: varchar2(100)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th>dim pho key</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Generated artificial key</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>dim_pho_key</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>dim_pho_pho</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>integer</td>
</tr>
</tbody>
</table>

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>pho id</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
</tr>
<tr>
<td><strong>Column name</strong></td>
</tr>
<tr>
<td><strong>Table name</strong></td>
</tr>
<tr>
<td><strong>Data type</strong></td>
</tr>
</tbody>
</table>

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
# PHO Practice table

**Table name**  
dim_pho_practice

**Definition**  
The PHO Practice Dimension contains a list of all valid PHO Practice combinations.

**Primary key**  
dim_pho_practice_key

**Business key**  
practice_id, pho_id

**Guide for use**  
This table provides a basis for analysing data by Practice within a PHO or by PHO only. It also supplies the Practice and PHO Names.

**Relational rules**

**Data content**
PHO id

**Definition**
PHO id is the PerOrg number assigned by HealthPAC to link an Organisation to the contracted legal entity.

**Column name**
pho_id

**Table name**
dim_pho_practice

**Data type**
integer
### PHO name

**Definition**  
The legal name of the PHO.

**Column name**  
pho_name

**Table name**  
dim_pho_practice

**Data type**  
varchar2(100)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

This table contains all current and previous PHO / Practice combination records. Current records (containing the current name of the PHO/Practice) are identified with the `dss_current_flag? with a value of `Y? whereas previous records (containing the original name of the PHO / Practice) are identified with a `dss_current_flag? value of `N?.

Prior to the 2005 Q1, the PHO legal name was considered to have been of poor quality and was subsequently changed to null. Since the 2005 Q1 extract, this PHO name is now of a much higher standard. As a result, the PHO legal name has been retrospectively applied to previous records (matching its PHO ID). Therefore if performing searches against previous records, you will find the 2005 Q1 name value only.

Changes to the PHO legal name after 2005 Q1 will be recorded correctly.

**Verification rules**

**Collection methods**

**Related data**  
pho_id

**Source document**

**Source organisation**
<table>
<thead>
<tr>
<th><strong>Practice id</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Practice id is a code which uniquely identifies a practice within a PHO.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>practice_id</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>dim_ph0_practice</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>varchar2(6)</td>
</tr>
<tr>
<td><strong>Other names</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Layout</strong></td>
<td>AAAAAA</td>
</tr>
<tr>
<td><strong>Data domain</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Verification rules</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Collection methods</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Related data</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source document</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Source organisation</strong></td>
<td></td>
</tr>
</tbody>
</table>
### Practice name

**Definition**
The name of a practice as assigned by the PHO.

**Column name**
practice_name

**Table name**
dim_pho_practice

**Data type**
varchar2(35)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
## Prev PHO Practice table

<table>
<thead>
<tr>
<th><strong>Table name</strong></th>
<th>dim_prev_pho_practice</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>view of the dim_pho_practice table</td>
</tr>
<tr>
<td><strong>Primary key</strong></td>
<td>dim_prev_pho_practice_key</td>
</tr>
<tr>
<td><strong>Business key</strong></td>
<td>practice_id, pho_id</td>
</tr>
<tr>
<td><strong>Guide for use</strong></td>
<td>The PHO and Practice that the patient was enrolled or registered with in the previous reporting quarter.</td>
</tr>
</tbody>
</table>

**Relational rules**

**Data content**
PHO id

**Definition**
PHO id is the PerOrg number assigned by HealthPAC to link an Organisation to the contracted legal entity.

**Column name**
pho_id

**Table name**
dim_prev_pho_practice

**Data type**
integer

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**


### PHO name

**Definition**  
The legal name of the PHO.

**Column name**  
pho_name

**Table name**  
dim_prev_pho_practice

**Data type**  
varchar2(100)

**Guide for use**  
This table contains all current and previous PHO / Practice combination records. Current records (containing the current name of the PHO/Practice) are identified with the `dss_current_flag?` with a value of `Y` whereas previous records (containing the original name of the PHO / Practice) are identified with a `dss_current_flag?` value of `N`.

Prior to the 2005 Q1, the PHO legal name was considered to have been of poor quality and was subsequently changed to null. Since the 2005 Q1 extract, this PHO name is now of a much higher standard. As a result, the PHO legal name has been retrospectively applied to previous records (matching its PHO ID). Therefore if performing searches against previous records, you will find the 2005 Q1 name value only.

Changes to the PHO legal name after 2005 Q1 will be recorded correctly.
<table>
<thead>
<tr>
<th><strong>Practice id</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>Practice id is a code which uniquely identifies a practice within a PHO.</td>
</tr>
<tr>
<td><strong>Column name</strong></td>
<td>practice_id</td>
</tr>
<tr>
<td><strong>Table name</strong></td>
<td>dim_prev_pho_practice</td>
</tr>
<tr>
<td><strong>Data type</strong></td>
<td>varchar2(6)</td>
</tr>
</tbody>
</table>

**Context**

**Layout**

AAAAAA

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Practice name

**Definition**
The name of a practice as assigned by the PHO.

**Column name**
practice_name

**Table name**
dim_prev_pho_practice

**Data type**
varchar2(35)

**Other names**

**Context**

**Layout**

**Data domain**

**Guide for use**

**Verification rules**

**Collection methods**

**Related data**

**Source document**

**Source organisation**
Prev PHO practice_key

**Definition**
A number that uniquely identifies the record in the PHO Previous Practice table.

**Column name**
dim_prev_pho_practice_key

**Table name**
dim_prev_pho_practice

**Data type**
integer

**Context**

**Layout**

**Data domain**

**Guide for use**
'0' means undefined.

**Verification rules**
NZHIS system-generated.

**Collection methods**

**Related data**

**Source document**

**Source organisation**
### 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.

<table>
<thead>
<tr>
<th><strong>Logical (Business) Table Name</strong></th>
<th><strong>Physical Table Name</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHO Enrolment Flags table</td>
<td>dim_pho_enrolment_flags</td>
</tr>
<tr>
<td>PHO PHO table</td>
<td>dim_pho_pho</td>
</tr>
<tr>
<td>PHO Practice table</td>
<td>dim_pho_practice</td>
</tr>
<tr>
<td>Prev PHO Practice table</td>
<td>dim_prev_pho_practice</td>
</tr>
<tr>
<td>Census Fact table</td>
<td>fact_census</td>
</tr>
<tr>
<td>FFS Washup Fact table</td>
<td>fact_ffs_washup</td>
</tr>
<tr>
<td>PHO Enrolment Fact table</td>
<td>fact_pho_enrolment</td>
</tr>
</tbody>
</table>
## 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.

<table>
<thead>
<tr>
<th>Dimension Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affiliation table <em>(dim_affiliation)</em></td>
<td>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.</td>
</tr>
<tr>
<td>Age Band table <em>(dim_age_band)</em></td>
<td>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</td>
</tr>
<tr>
<td>Census Affiliation table <em>(dim_census_affiliation)</em></td>
<td>This table contains the combinations of Demographic information on the population of NZ broken out by sex and prioritised ethnicity. The ethnicity data is at the level reported in the Census data, ie level 0 (3 ethnic groupings) and level 1 (5 ethnic group</td>
</tr>
<tr>
<td>Census Geofile table <em>(dim_census_geofile)</em></td>
<td>Demographic data mainly sourced from NZ Statistics. Source: NZ Statistics</td>
</tr>
<tr>
<td>Claim Code table <em>(dim_claim_code)</em></td>
<td>This dimension table contains codes that describe the patient's subsidy status at the time of the event.</td>
</tr>
<tr>
<td>Geofile table <em>(dim_geofile)</em></td>
<td>Demographic data mainly sourced from NZ Statistics. Source: NZ Statistics</td>
</tr>
<tr>
<td>Provider table <em>(dim_provider)</em></td>
<td>This dimension table contains a list of all healthcare providers recorded in the Healthpac CMS perorg database, and used to support claims payment activities. Providers are identified by a number (Provider Code) allocated by a registration body e.g. Me</td>
</tr>
</tbody>
</table>
Appendix C: List of Views

The table views used in this datamart are shown below.

<table>
<thead>
<tr>
<th>View Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHO DHB Reference table</td>
<td>This reference table contains a list of DHB codes and names.</td>
</tr>
<tr>
<td>(dim_phd_dhb_reference)</td>
<td></td>
</tr>
</tbody>
</table>
Appendix D: Index of Element Names

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CSC expiry date, 28
CSC number, 29
CSC submitted, 30
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En csc expiry date, 41
En csc number, 42
En csc valid, 43
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En dhb, 45
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En huhc number, 48
En huhc valid, 49
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En patient death date, 52
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En y coordinate, 54
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Encrypted hcu status, 57
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Fee amount, 21
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Huhc number, 66
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Message id, 69
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Patient second given name, 80
Patient suburb, 81
Patient third given name, 82
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Practice type, 95
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Appendix E: Data Dictionary Template
Introduction
This appendix explains how data element attributes are organised in the data dictionary template.

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

Template:

Administrative status
The operational status (e.g., CURRENT, SUPERSEDED) of the data element. No SUPERSEDED data elements will be included in the Dictionaries.

Reference ID
A code that uniquely identifies the data element. If the data element is used in more than one collection, it should retain its Reference ID wherever it appears.

Version number
A version number for each data element. A new version number is allocated to a data element/concept when changes have been made to one or more of the following attributes of the definition:
- name
- definition
- data domain, e.g., 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
A designation or description of the application environment or discipline in which a name is applied or from which it originates. This attribute may also include the justification for collecting the items and uses of the information.
Relational and representational attributes

**Data type**

The type of field in which a data element is held. For example, character, integer, or numeric.

**Field size**

The maximum number of storage units (of the corresponding data type) to represent the data element value. Field size does not generally include characters used to mark logical separations of values, eg, commas, hyphens or slashes.

**Layout**

The representational layout of characters in data element values expressed by a character string representation. For example:
- 'CCYYMMDD' for calendar date
- 'N' for a one-digit numeric field
- 'A' for a one-character field
- 'X' for a field that can hold either a character or a digit, and '
- '$$$,$$$,$$$' for data elements about expenditure.

**Data domain**

The permissible values for the data element. The set of values can be listed or specified by referring to a code table or code tables, for example, ICD-10-AM 2nd Edition.

**Guide for use**

Additional comments or advice on the interpretation or application of the data element (this attribute has no direct counterpart in the ISO/IEC Standard 11179 but has been included to assist in clarification of issues relating to the classification of data elements). Includes historical information, advice regarding data quality, and alternative names for this data element.

**Verification rules**

The rules and/or instructions applied for validating and/or verifying elements, in addition to the formal edits.

**Collection method**

Comments and advice concerning the capture of data for the particular data element, including guidelines on the design of questions for use in collecting information, and treatment of 'not stated' or non-response (this attribute is not specified in the ISO/IEC Standard 11179 but has been added to cover important issues about the actual collection of data).

**Related data**

A reference between the data element and any related data element in the Dictionary, including the type of this relationship. Examples include: 'has been superseded by the data element…'; 'is calculated using the data element…'; and 'supplements the data element…'.

Administrative attributes

**Source document**

The document from which definitional or representational attributes originate.

**Source organisation**

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 F: Glossary

Note: See Appendix B: Glossary in separate document.
### Appendix G: List of Dimensions

**Dimension tables**

The Primary Health Organisation datamart 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 dimensions within this datamart.

<table>
<thead>
<tr>
<th>Dimension Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dim_affiliation</td>
<td>This table holds combinations of all possible ethnic codes and gender.</td>
</tr>
<tr>
<td>dim_age_band</td>
<td>This table holds records of all possible ages grouped into bands.</td>
</tr>
<tr>
<td>dim_census_affiliation</td>
<td>This table holds demographic information on the population of NZ broken out by sex and ethnicity.</td>
</tr>
<tr>
<td>dim_census_geofile</td>
<td>This table holds demographic data mainly sourced from NZ Statistics.</td>
</tr>
<tr>
<td>dim_claim_code</td>
<td>This table holds codes that describe the patient's subsidy status at the time of the event.</td>
</tr>
<tr>
<td>dim_consultation_date</td>
<td>This table holds date records used as a reference for when the consultation occurred.</td>
</tr>
<tr>
<td>dim_enrolment_date</td>
<td>This table holds date records used as a reference for when the enrolment occurred.</td>
</tr>
<tr>
<td>dim_dhb_reference</td>
<td>This table holds a list of all DHB codes and names. The PHO DHB Reference table is a view of this table.</td>
</tr>
<tr>
<td>dim_geofile</td>
<td>This table holds a demographic data mainly sourced from NZ Statistics.</td>
</tr>
<tr>
<td>dim_health_care_user</td>
<td>This table holds information about people who have received healthcare directly from healthcare providers.</td>
</tr>
<tr>
<td>dim_payee</td>
<td>This table holds a list of persons or organisations who receive payment from HealthPAC for claims.</td>
</tr>
<tr>
<td>dim_payment_date</td>
<td>This table holds date records used as a reference for when the payment was made.</td>
</tr>
<tr>
<td>dim_provider</td>
<td>This table holds a list of all healthcare providers.</td>
</tr>
<tr>
<td>dim_quarter</td>
<td>This table holds a combination of date and quarter records used as a reference.</td>
</tr>
<tr>
<td>dim_visit_date</td>
<td>This table holds date records used as a reference for when the visit occurred.</td>
</tr>
</tbody>
</table>
# Appendix H: Alphabetical Index of Data Elements

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## Census Data Model

### Dimension Tables

#### DIM_AGE_BAND
- **PK DIM_AGE_BAND**
  - AGE_IN_YEARS
  - TEN_YEAR_BAND
  - FIVE_YEAR_BAND
  - FUNDING_BAND
  - GMS_BAND
  - DSS_SOURCE_SYSTEM_KEY
  - DSS_UPDATE_TIME

#### DIM_CENSUS_AFFILIATION
- **PK DIM_CENSUS_AFFILIATION**
  - GENDER_CODE
  - GENDER
  - LEVEL_1_PRIORITY_ETHNIC_CODE
  - LEVEL_1_PRIORITY_ETHNICITY
  - LEVEL_0_PRIORITY_ETHNIC_CODE
  - LEVEL_0_PRIORITY_ETHNICITY
  - DSS_SOURCE_SYSTEM_KEY
  - DSS_UPDATE_TIME

### Fact Table

#### FACT_CENSUS
- DOMICILE_CODE
- AGE
- GENDER
- CENSUS_ETHNICITY_96
- CENSUS_ETHNICITY_01
- YEAR
- POPULATION
- DIM_AGE_BAND_KEY
- DIM_CENSUS_AFFILIATION_KEY
- DIM_CENSUS_GEOFILE_KEY
- DSS_COUNT
- DSS_UPDATE_TIME

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*This diagram represents the structure of the Census Data Model, showing relationships between dimension and fact tables.*
### DIM_CENSUS_GEOFILE
#### PK DIM_CENSUS_GEOFILE_KEY
- DOMICILE_CODE_2001
- DOMICILE_NAME
- DHB_CODE
- DHB_NAME
- PUBLIC_HEALTH_PROVIDER_NAME
- HEALTH_DISTRICT_NAME
- TLA_NAME
- NZDEP_01
- DSS_SOURCE_SYSTEM_KEY
- DSS_UPDATE_TIME