



NEW ZEALAND HEALTH  
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# **2008 National Collections Annual Maintenance Project (NCAMP) incorporating ICD-10-AM 6<sup>th</sup> Edition Upgrade**

**Lynda Kamstra, David Williams and Corinne Ross**

**11 March 2008**



# Agenda

- NCAMP project update
- Postcode and domicile code updates
  - NZ Post presentation re address accuracy
- ICD 10 project update
- NCAMP changes
  - NMDS
  - NBRS
  - NNPAC
- PRIMHD



## NCAMP 2008 - Progress

- A letter was sent to DHB CIOs in June 2007 requesting changes for inclusion
- Analyst Co-ordination Group (ACG) gave approval of proposed scope in September 2007
- Information Liaison Group (ILG) gave approval of proposed scope in October 2007
- Change Requirements documentation and sector notification sent 14 December 2007
- Version 1.1 of NMDS, NBRS and NNPAC Change Requirements have been prepared and will be on NZHIS website this week



## NCAMP 2008 - Timeline of Deliverables

<b>Deliverable</b>	<b>Approximate Date</b>
Impact Assessments signed off	October 2007
Complete change requirements documents	30 November 2007
Provide 6 month notification and sector change requirements	December 2007
Regional Compliance Workshops	April 2008
DHB developer and vendor workshop	11 March 2008
Compliance test environment available for DHBs	June 2008
Complete compliance testing	June - July 2008
Update and publish NZHIS documentation (data dictionaries, file specifications etc)	1 July 2008
Changes to National Collections live	1 July 2008



## NCAMP 2008 – NHI Changes

- **Postcodes - 2 phase update planned**
  - No changes to address format provided from NHI
  - Update reference tables so new and update requests return the new postcode (end March 2008)
  - Provide STREETS file for DHBs with new postcodes (April 2008)
  - DHBs will need to update own addresses to have new postcodes
  - DHBs responsible for meeting NZPost requirements for bulk mail discounts
  - Update all current addresses to have new postcode (progressively up to 1 July 2008)
  
- **Domicile codes from Census 2006**
  - Update current addresses whose domicile code has changed (approx 10% of NHI addresses) ( will be done in week of 1 July 2008)



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## NZ Post Changes for Address Accuracy

- Ray Mudgeway, Data Quality Consultant



## ICD-10-AM 6<sup>th</sup> Edition Upgrade Project - Background

- ICD-10-AM is a clinical classification used for coding health events
- Each ICD-10-AM coding classification editions reflects clinical techniques and diagnoses from when it was developed. Over time these become less relevant to NZ practice (NZ last upgraded in 2004 / Australia is using ICD-10-AM 5<sup>th</sup> Edition)
- Coded ICD-10-AM health event data is used by a number of people including clinicians, strategists, researchers, planners and funders
- During 2005/2006 extensive consultation was carried out across the wider health sector on the proposal to upgrade the clinical coding classification ICD-10-AM 3rd Edition to ICD-10-AM 6th Edition on 1 July 2008
- Approval was given in April 2006 to proceed with this proposal.



## ICD-10-AM 6<sup>th</sup> Edition Upgrade Project - Scope of Changes

- Update clinical classification ICD-10-AM 3rd Edition to ICD-10-AM 6th Edition from 1 July 2008
- DHBs / Software Vendors required to make changes to their own systems and submit records using ICD-10-AM 6th Edition from 1 July 2008 (backlogs coded in previous ICD-10-AM Editions) - based on the discharge date
  - 6th Edition Code tables will be provided to DHBs / Vendors
- AR-DRG remains as v5.0
- Annual WIES changes being done as part of the 2008 NCAMP
- Training will be provided to Clinical Coders – workshops scheduled 21 Apr to 19 Jun 2008.



## ICD-10-AM 6th Edition Upgrade Project - Timeline of Deliverables / Progress

<b>Deliverable</b>	<b>Approximate Date</b>
Provide sector change requirements	Completed
Publish analysis of 6 <sup>th</sup> Edition code changes	Completed
Provide pre-training material	Completed
Provide workshop slides to Managers / Team Leaders	March / April 08
Provide 6 <sup>th</sup> Edition code tables to DHBs / Vendors	March / April 08
Confirm participant names / venues / what to bring etc	March / April 08
Complete Coder training	21 April-19 June 08
Plan non-coder training	To be started
Provide compliance test scripts (part of 2008 NCAMP)	May 08
Compliance test environment available for DHBs	June 08
Complete compliance testing (part of 2008 NCAMP)	June-July 08
Publish docs (data dictionaries, file specifications etc)	1 July 08
Changes to National Collections live	1 July 08



## 3M Codefinder Upgrade

- 3M are upgrading their Codefinder software from 1 July 2008
- The new version of Codefinder will contain 3rd Edition codes but will not contain pathways (DHBs can still direct enter codes)
- It is not possible to load two versions of Codefinder on the same PC
- DHBs should upgrade to the new version of Codefinder and load the current version of Codefinder onto a standalone PC to access 3<sup>rd</sup> Edition pathways or use coding manuals until all 3<sup>rd</sup> Edition events loaded
- For further information, contact Peter Walker at 3M 0800 444 639, options 1 and 3 or via email [pwalker@mmm.com](mailto:pwalker@mmm.com)



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# 2008 National Collection Annual Maintenance Project (NCAMP) NMDS

Presented By:

Lynda Kamstra

Corinne Ross



## National Minimum Dataset (NMDS)

- **WR-2006-112 Mothers NHI in NMDS**
  - For birth events, mandatory submission of the NHI number assigned to the baby's birth mother in the NMDS HE record
    - **Field 43, char (7), AAANNNN**
      - Must be registered on the NHI before use. Mother's Sex must be 'F' on the NHI. There is an Age of Mother warning if mother's age is outside the range 12 to 60.



## National Minimum Dataset (NMDS)

- **WR-2006-167 Add ICU Hours to NMDS**
  - V012.0 (or later) only.
  - Events with a date before 1 Jul 2008 should not have a value in the Total ICU Hours field.
  - Positive integer or NULL value only.
  - A warning is produced when the Total ICU Hours is greater than the total hours of the event.



# Questions re WR-2006-167

- Clarification of formatting required for new ICU hours field
  - Data Domain has been updated to be 00001-99999 or NULL
  - Eg: A value of 12 should be sent as 00012.
  
- Definition of ICU vs HDU?
  - The essential difference is that an intensive care unit must be capable of providing invasive ventilation for more than 24 hours. Do not report HDU hours.
  
- Which facilities can submit ICU Hours?
  - We have removed the reference to ICU Hours only being accepted from facilities included in the Casemix. ICU Hours should be submitted from all facilities where a patient spends time in ICU care.



## National Minimum Dataset (NMDS)

- WR-2006-205 Diagnosis Procedure Description Length
  - Increased from 50 to 100 characters
  - V012.0 files only



## National Minimum Dataset (NMDS)

- WR-2007-134 Capture Transfer Facility
  - Only applies to events with an event date on or after 1 July 2008.
  - Transfer facility cannot be the same as submitting facility.
  - Events with an Admission Source of 'T' require a valid facility code field otherwise they are rejected.
  - Events with an Event End Type Code of 'DA', 'DP', 'DT', 'EA' or 'ET' require a valid facility code.



## National Minimum Dataset (NMDS)

- Purchase Unit for Non-Casemix Events
  - Additional field (Excluded Purchase Unit) is being added to the end of the Costweight Transaction (WT) record in the .ndw return file.



## National Minimum Dataset (NMDS)

- WR-2006-401 Census 2006
  - Domicile codes from Census 2006 will be added



## National Minimum Dataset (NMDS)

- WR-2007-027 Costweights and Casemix Changes
  - NMDS Casemix processing will be altered so that events are allocated the correct cost weight code as follows:
    - Where the event end date is on or after 1 July 2008 allocate a cost weight code of '09'
    - Where the event end date is before 1 July 2008 maintain the current processing cost weight code rules
    - See supplementary documentation for further details of WIESNZ08 changes.



# New Health Specialty Codes

- P60, P61, P70, P71
  - What is the definition of a Community Lead Maternity Caregiver (LMC)?
    - A community LMC is where the woman and her baby(s) is registered under the Section 88 Notice for Primary Maternity Services. This does not include a woman or baby(s) who have transferred over to secondary or tertiary maternity or specialist neonatal services.



## National Minimum Dataset (NMDS)

- WR-2006-166 WIES Calculation – Addition of new facility and agency codes
  - From costweight code 09, the WIES process will use values in a WIES Agency and Facility table rather than using hard coded codes.
    - This means that new facilities and agencies can be added when required and do not need to wait for the next 1 July



# NMDS Questions

- Question received about NZDRG B04M and NZDRG D06A/B
  - Referred to the Costweights group and an updated WIES specification received which will be available on the NZHIS website soon



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# 2008 National Collection Annual Maintenance Project (NCAMP) NBRS

Presented By:

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# Summary of Changes

Seven areas of change:

1. V04.0 format for all files with a File Preparation Date on or after 1 July 2008
2. Submitting and recording a Domicile Code
3. Adding a Decile code to the NBRS Universes
4. Submitting and recording a Clinical Assessor Code and their Clinical Assessor Group Code
5. Restricting submission of professional group code associated with clinical responsibility code to 'MC' or 'HB'
6. Allowing additional CPAC scores and assessment dates without changing the date that Certainty was given
7. Addition of the 'Medically Unfit for Treatment' Exit Category



# Header Record

1. V04.0 format for all files with a File Preparation Date on or after 1 July 2008
  - V02.0 files will not be accepted after 1 July 2008



# Domicile Codes

## 2. Submitting and recording a Domicile Code

- Domicile Code is optional as at 1 July 2008.  
If a Domicile Code is submitted, it should exist in the code table and be valid for the date relevant for each booking status code



# Decile code

3. Adding a Decile code to the NBRS Universes
  - The deprivation index is calculated by the Wellington School of Medicine and the Ministry using NZ
  - Statistics' supplied Census data every five (5) years.



# Assessor Codes

4. Submitting and recording a Clinical Assessor Code and their Clinical Assessor Group Code
  - Can only be submitted in V04.0 files on or after 1 July 2008.
  - Assessor Code must be supplied where a CPAC Assessment Date is on or after 1 July 2008. Mandatory for following Booking Status Codes: '01', '02', '03', '04', '05', '07' regardless of any CPAC Score change.
  - Assessor Group Code must be supplied with Assessor Code. Must exist in the Professional Group Code table and be valid at the time of the Booking Status Date.



# Context of Assessor Codes

- Required for improved analysis of prioritisation process. Assessment of patient priority may be delegated to other health professionals, by the medical specialist having overall clinical responsibility for the patient.



# Assessor Codes

- Professional Group Code table holds the following values:
  - DN (Dental Council)
  - DO (Opticians Board)
  - HB (District Health Board Internal Value)
  - MC (Medical Council)
  - MW (Midwifery Council)
  - OP (New Zealand Association of Optometrists)
  - OT (New Zealand Association of Occupation Therapists)
  - PT (Physiotherapy Board)
  - RN (Nursing Council of New Zealand)
- If the assessor belongs to more than one professional group use the assessor group that is most appropriate.



## Professional Group Code Validation

5. Restricting submission of professional group code associated with clinical responsibility code to 'MC' or 'HB'



## Assessor & Clinical Responsibility Codes Question

One DHB has asked if they can use a professional group code of 'HB' and supply the practitioners HPI CPN for the clinical responsibility code and the assessor code?

Answer: this is acceptable, however note that the professional group code is not validated.

Note: The current validation rule that Assessor Code must be numeric will be relaxed to accept HPI codes



## Submission of CPAC Scores & Dates

6. Allowing additional CPAC scores and assessment dates without changing the date that Certainty was given
  - Currently NBRS checks to see if the submitted CPAC Assessment Date is after the submitted Certainty Given Date. If it is, an error is returned. The error will only be returned if the submitted CPAC Assessment Date is the first CPAC Assessment and it is after the Certainty Given Date.
  - This change is implementing the correct business rules.



## New Exit Category

### 7. Addition of the 'Medically Unfit for Treatment' Exit Category

- Exit Code 15 – Medically Unfit for Treatment is valid from 1 July 2008. Used where the medical specialist with overall responsibility for the care of the patient has declined treatment because the patient is medically unfit for treatment.



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# 2008 National Collection Annual Maintenance Project (NCAMP) NNPAC

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# Summary of Changes

Seven areas of change:

1. Adding date sent and file version fields to NN PAC extract header. Only V02.0 files will be accepted on or after 1 July 2008
2. File naming convention to include file version
3. Implementing further checks on related data
4. Deriving event type fields from the first two characters of the equivalent purchase unit



# Summary of Changes

5. Altering IDF DHB assignment logic and introducing a 'Caution' message in the acknowledgment and error files when the submitted domicile code is retired or maps to an invalid DHB
6. Allowing for submission of an Event End Date for ED Events
7. Rejecting Duplicate Events in an Extract



# Header Record

1. Adding date sent and file version fields to NNPAC extract header. To implement file versioning, two fields are to be added:

- Date Sent
- File Version

Only V02.0 files will be accepted on or after 1 July 2008



# File Naming Convention

## 2. File naming convention to include file version

- New format files to follow the old naming convention i.e.  
'NNPAC\_02\_0\_extract system id\_batch number' Batch numbers will continue to increment from the last batch submitted



## Related data checks

3. Implementing further checks on related data
  - Check Purchase Unit Type and Service Type (3.3.5)



## Deriving Event Type

4. Deriving event type fields from the first two characters of the equivalent purchase unit
  - For an event type to be ED, the first two characters of the equivalent purchase unit must be ED. All other events will be loaded as event type OP.



## Submission of Domicile Codes

5. Altering IDF DHB assignment logic and introducing a 'Caution' message in the acknowledgment and error files when the submitted domicile code is retired or maps to an invalid DHB
  - Records meeting caution conditions will be loaded into the Datamart



## Submission of Event End Date

6. Allowing for submission of an Event End Date for ED Events (3.3.6)
  - Event End Date should be sent for ED events only.
  - If not submitted, Event End Date will be set to Date of Service for ED events
  - If submitted for OP events, Event End Date will be set to Date of Service



# Submission of Event End Date

- **Examples**
  - Patient arrives 11:45pm on 01/07/2008 and discharge next day 12:30am. Outpatient event with event end date of 2/7/2008
  - Patient arrives at ED on 1/7/2008, treatment takes < 3 hours, and goes home from ED on 1/7/2008 - ED event, no event end date needed, event end date will be set to 01/07/2008
  - Patient arrives at ED on 1/7/2008, is admitted (treatment takes > 3 hours), and goes home from ED on 2/7/2008 - Inpatient event, with event end date of 2/7/2008
  - Patient arrives at ED on 1/7/2008, is admitted, goes to an IP ward on 1/7/2008, and goes home from the IP ward on 2/7/2008 - Inpatient event, with event end date of 2/7/2008



# Duplicate Events

## 7. Rejecting Duplicate Events in an Extract

- An event is defined by a unique combination of **Extract System Identifier**, **Client System Identifier** and **PMS Unique Identifier**.
- If multiple records are found for an event in an extract file, **all** records for that event in the batch will be rejected.
- This process will be performed before any records in an extract are loaded into NAP.



- Any questions?
  
- Any questions in future, contact
  - NCAMP 2008 – Lynda Kamstra, 04 816 2813, [lynda\\_kamstra@nzhis.govt.nz](mailto:lynda_kamstra@nzhis.govt.nz)
  
  - ICD10 Upgrade – David Williams, 04 816 3364, [david\\_williams@nzhis.govt.nz](mailto:david_williams@nzhis.govt.nz)