



MedicalDirector®

NSW KPI Technical Documentation

v6.0



Contents

Introduction	3
Definitions	3
NSW KPI 1 Population Health - Nicotine and Smoking Cessation	4
NSW KPI 2a Population Health Healthy Weight Measurement (Child) and 2b (Children above a Healthy Weight)	6
NSW KPI 3 Population Health- Hepatitis B Testing	9
NSW KPI 4a Population Health- Hepatitis C testing	10
NSW KPI 4b Population Health – Hepatitis C Treatment	12
NSW KPI 7a Mental Health - GP Mental Health Treatment Plan	16
NSW KPI 7b Mental Health - GP Mental Health Treatment Plan Review	17
Appendix 1: Creating and Processing A Claim	18
Appendix 2: Processing Claims	21
Appendix 3: LOINC Codes	25
Appendix 4: Mental Illness	29



Introduction

The purpose of this document is to guide you through the process of accurately recording data points during a clinical consult to ensure effective NSW KPI reports can be created.

This document pertains to NSW Ministry of Health Aboriginal health Program Key Performance Indicators: Data Specifications 2022/23-2024/25 (Version 6.0 June 2022).

Definitions

1.1 Aboriginal Patient Definition

A client who is recorded in the clinical software identifying as Aboriginal or Torres Strait Islander.

The screenshot shows the 'Patient Details' form with the following visible information:

- Title:** Mrs
- First Name:** Jennifer
- Middle Name:** (empty)
- Surname:** ANDREWS
- Known as:** Jennifer
- Date of Birth:** 20/04/1970
- Gender:** Female
- ATSI:** Aboriginal (highlighted in a yellow box)
- Ethnicity:** Aboriginal
- Medicare No:** 3500 26512 1
- Pension Status:** None
- Address:** 2 Kennedy Road
- City/Suburb:** Bundaberg
- Postcode:** 4670
- Phone:** Home (selected)
- Email:** andrews.jennifer@hcn.samplesdb.com.au
- Preferred Contact:** Letter

1.2 Regular Patient Definition

A client who has 3 or more visits within the previous 2 years recorded in the clinical software. Note: this does not include Deceased and Inactive patients.

1.3 Patient Age Definition:

A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details'.



NSW KPI 1 Population Health - Nicotine and Smoking Cessation

Description

Proportion of regular Aboriginal clients aged 11 years and older who are recorded as a current smoker or e-cigarette user, who have a recorded smoking cessation intervention within the past 12 months.

A *smoking cessation intervention* may include one or more of the following:

- brief intervention;
- prescription of Nicotine Replacement Therapy;
- prescription of other pharmacotherapies relating to cessation of smoking;

Note: You must be using MedicalDirector Pracsoft in conjunction with MedicalDirector Clinical. For the MBS health assessment and nicotine and smoking cessation counselling to be recorded in MedicalDirector Insights, the MBS Item must be transmitted to Medicare, and a payment report must be actioned (accepted, rejected or exceptions resolved).

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander per the Australian and Torres Strait Islander dropdown in the **Patient Details window** (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- A patient must have any smoking status recorded as **Smoker** in the **Smoking tab** of the **Patient Details window**. The 'Smoker' field cannot be empty. Note that e-cigarette user is not captured
- *Smoking cessation intervention* is defined as at least one or more of the following:
 - A patient whose clinical files contains a check in the 'Smoking cessation intervention discussed with patient' field in the **Smoking tab** of the **Patient Details window** OR
 - A claim for a health assessment (MBS Items 715 | 228 | 92004 | 92011 | 92016 | 92023) in the past 12 months OR
 - A claim for nicotine and smoking cessation counselling (MBS Items 93680-93685 | 93690-93695 | 93700-93705) in the past 12 months OR Prescription of nicotine replacement therapy or other pharmacotherapies related to cessation of smoking is defined as patients with at least one of the following drugs having been prescribed in the past 12 months:
 - Nicotine
 - Varenicline
 - Bupropion



Numerator

The number of regular Aboriginal clients aged 11 years and older whose most recent smoking status has been recorded as a **Smoker**, who have undertaken a *smoking cessation intervention* (defined above) in the previous 12 months.

Denominator

The number of regular Aboriginal clients aged 11 years and older whose most recent smoking status has been recorded as a current smoker or e-cigarette user.

Example - How to Record a Patient's Smoking Status and Smoking Cessation intervention

1. Open a patient's record.
2. Select **Patient > Details**.
3. On the **Smoking** tab, use the **Smoker** drop-down to select the smoking status and click **Save**.
4. To record smoking cessation intervention, use the tick box highlighted below.

The screenshot shows the 'Patient Details' window with the 'Smoking' tab selected. The form contains the following fields and controls:

- Date of assessment: 18/03/2019
- Smoker: Smoker (dropdown)
- Frequency: Daily (dropdown)
- Number of cigarettes: [text input]
- Year commenced: [text input] Duration: [text input]
- Stage of change assessment: [dropdown]
- Last quit attempt: 18/03/2019 (dropdown) Never/Unknown
- Duration of longest period of abstinence: [text input] [dropdown]
- Smoking cessation intervention discussed with patient (highlighted with a yellow box)
- Buttons: View Patient Education Leaflet, Reference
- Table with columns: Date, Time, Smoker, Number of Cigarettes
- Comments: [text area]
- Buttons: Delete, Save, Cancel
- Checkboxes: Update address for all family members, Auto-capitalise names

Note: A smoking cessation intervention needs to be recorded during all smoking assessments, along with any comments, during consultations through which brief interventions for smoking cessation are carried out.

Processing Medicare Items

Please refer to Appendix 1: Creating and Processing a Claim and Appendix 2: Processing Claims.



NSW KPI 2a Population Health

Healthy Weight Measurement (Child) and 2b (Children above a Healthy Weight)

Description

Proportion of regular Aboriginal clients aged between 2 and 18 years who had their height and weight measured and recorded (on the same occasion) within the last 12 months and the proportion that were above a healthy weight (overweight and obese).

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient’s age is defined by the difference between today’s date and their date of birth as present in their ‘Patient Details’ (see 1.3).
- BMI recorded in the past 12 months in the **Weight Calculator** available in the **Tool Box**.
- A patient’s BMI will fall into the overweight or obese categories if the recorded value is above the value in the table below.

Age (in months)	Male BMI	Female BMI
24	18.162194733	18.018205792
36.5	17.326273561	17.166336426
48.5	16.925010281	16.800576707
60.5	16.840758382	16.801971953
72.5	17.01417786	17.099741723
84.5	17.40121891	17.625566704
96.5	17.955754442	18.317175943
108.5	18.632222229	19.119373164
120.5	19.390411298	19.983997788
132.5	20.196674371	20.869840136
144.5	21.023859692	21.742626772
156.5	21.851043669	22.575061126
168.5	22.663250919	23.346890452
180.5	23.451170652	24.045025332
192.5	24.21087038	24.663724748
204.5	24.943618051	25.204822177
216.5	25.656012444	25.67786376
228.5	26.360539323	26.099934651
240.5	27.076448741	26.495016788



NSW KPI 2a - Healthy Weight Measurement (Child): Proportion of Children Aged 2 To 18 Years with Weight Classified

Numerator

The number of regular Aboriginal clients aged 2 years and older but less than 18 years who have had their weight status classified within the previous 12 months.

Denominator

The number of regular Aboriginal clients aged 2 years and older but less than 18 years.

NSW KPI 2b - Children Above a Healthy Weight: Proportion of Children Aged 2 To 18 Years with Weight Classified as Overweight or Obese

Numerator

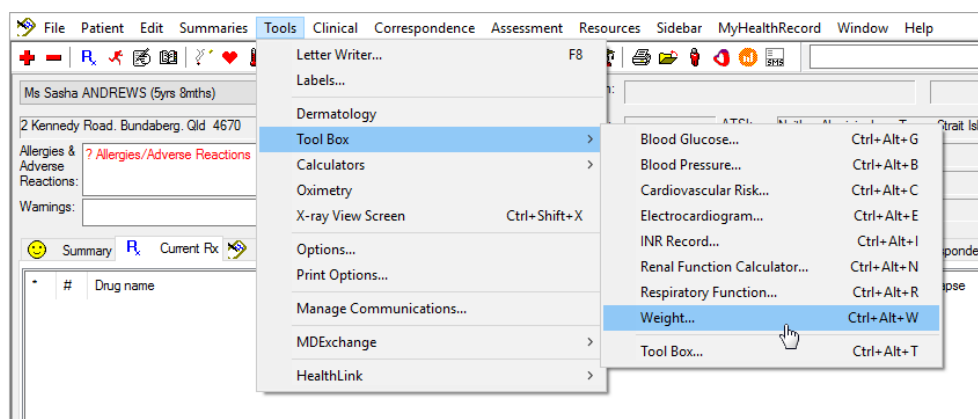
The number of regular Aboriginal clients aged 2 years and older but less than 18 years who have had their weight status classified as overweight or obese within the previous 12 months.

Denominator

The number of regular Aboriginal clients aged 2 years and older but less than 18 years who have had their weight status classified within the previous 12 months.

Example - How to Enter A Patient's Height And Weight

1. Open a patient's record
2. Select **Tools > Tool Box > Weight**





3. Input height and weight values

Weight Calculator

Date: 7/08/2017 Time: 1:49:18 PM Gender: Female Age: 47 Height: 175 Patient ID: 31

Blood Glucose Blood Pressure CV Risk ECG INR Renal Function Respiratory **Weight**

Current Measurements View: All

Height: 175 (cm)
Weight: 64 (kg)
BMI: 20.9
Waist: (cm)
Hip: (cm)
Waist/Hip Ratio:

Healthy weight range = 56.7 - 76.6 Kg.
Median range value = 61.3 Kg.

Date	Time	Type	Value
04/11/2003	13:50:08	Weight	65
04/11/2003	13:50:08	BMI	21.2
10/10/2006	09:55:35	Height	175
10/10/2006	09:55:35	Weight	65
10/10/2006	09:55:35	BMI	21.2
05/12/2006	10:28:49	Weight	64
03/01/2007	10:35:50	Height	175
03/01/2007	10:35:50	Weight	68
03/01/2007	10:35:50	BMI	22.2
22/03/2007	10:44:12	Weight	69
10/05/2007	10:47:51	Weight	72.0
30/08/2007	10:52:44	Height	175
30/08/2007	10:52:44	Weight	65

Clear Print Reference Edit View Save Close

4. Click Save



NSW KPI 3 Population Health- Hepatitis B Testing

Description

Proportion of regular Aboriginal Clients born before May 2000 who are recorded as ever being tested for Hepatitis B infection in the previous 6 months. This information may be viewed from the patient's file by clicking on the 'Results' tab and navigating to 'Cumulative results'.

Example: A view of the 'Cumulative results' window.

Test name	15/04/1998	10/10/2006	05/12/2006	17/08/2012
Albumin (1751-7)	41	42	45	45
ALP(Ak Phos) (6769-4)	46			
ALT (1742-6)	25	20	25	25
AST (1520-8)	12	20	24	24
Basophil (705-2)	0	0	0	0
Basophil (704-7)	0	0	0	0
Bicarbonate (1963-8)	107	29	29	29
Bilirubin (14631-6)	17	8	6	6
Calcium (2080-9)	2.3	2.57	2.39	2.39
Chloride (2075-9)	107	104	99	99
Cholesterol (14647-2)	5.2	4.2	6.3	6.3
Corrected Calcium (29265-6)		2.59	2.32	2.32
Creatinine (2160-0)	0.1			
eGFR (33914-3)		75	>15/90	>15/90
Ferritin (1713-8)		2		1

'Hepatitis B infection' - includes the following ICPC-2 plus codes:

- D72003 Hepatitis B

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- Tested for Hepatitis B is defined as pathology results received containing any of the LOINC codes found in Appendix 3: LOINC Codes - Hepatitis B

Numerator

The number of regular Aboriginal clients born prior to May 2000 with a Hepatitis B test recorded in the past six months.

Denominator

The number of regular Aboriginal clients born prior to May 2000.



NSW KPI 4a Population Health- Hepatitis C testing

Description

Number of regular Aboriginal clients aged 18 years and over who have been tested for Hepatitis C in the previous six months.

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- Tested for Hepatitis C is defined as pathology results received containing any of the LOINC codes found in [Appendix 3: LOINC Codes – Hepatitis C](#)

Numerator

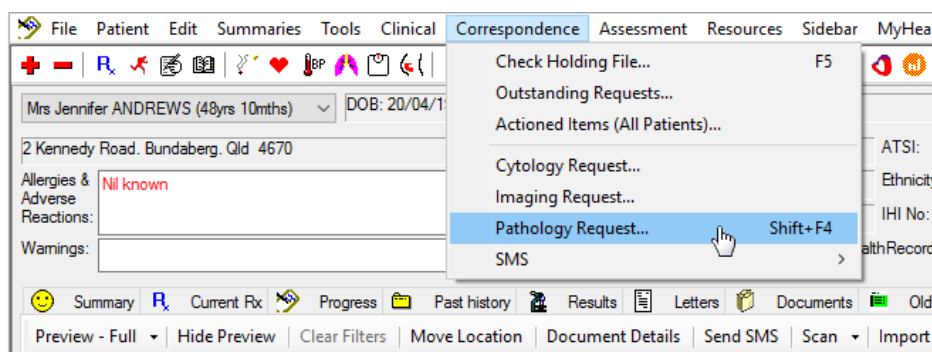
The number of regular Aboriginal clients aged 18 years and over who have been tested for Hepatitis C test in the previous six months.

Denominator

The number of regular Aboriginal clients aged 18 years and over.

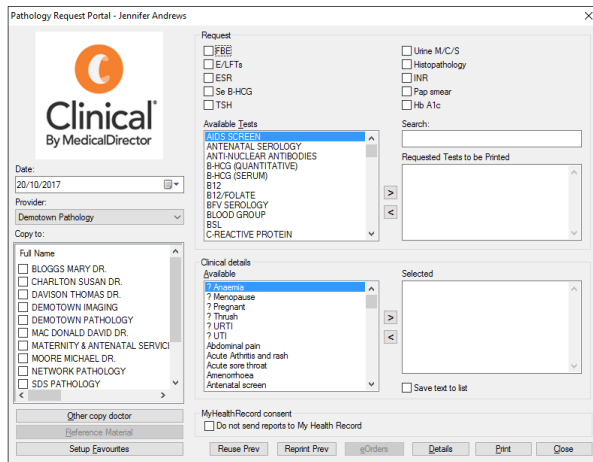
Example – Requesting Pathology Tests

1. Open a patient's record
2. Select **Correspondence > Pathology Request**





3. The Pathology Request Portal appears.



4. Select your pathology provider, copy-to doctors and the test you wish to order, for example LFT or HepB
5. Click **Print**



NSW KPI 4b Population Health – Hepatitis C Treatment

Description

Number of regular Aboriginal clients aged 18 years who have been diagnosed with Hepatitis C, who have received Direct Acting Antiviral (DAA) treatment in the last 12 months.

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- A patient's diagnosis of Hepatitis C is having defined by a condition listed under one of the below DOCLE codes:
 - infe<hepac Hepatitis C
 - infe<hepac Hepatitis C infection
 - infe<hepac Infection – Hepatitis C
- Patient's date of Hepatitis C diagnosis is determined by the received date of a positive pathology result of any of the below LOINC codes: '75888-8', '50023-1', '49378-3', '49377-5', '10676-5', '29609-5', '11011-4', '49758-6', '34704-7', '34703-9', '49379-1', '49376-7', '49604-2', '49603-4', '42617-1', '38180-6', '49608-3', '49605-9', '49374-2', '49373-4', '42003-4', '47252-2', '49375-9', '49372-6', '49370-0', '49369-2', '20571-6', '20416-4', '49371-8', '49380-9'.
- Direct Acting Antiviral (DAA) treatment received is defined as patient's prescribed one of the below medications:
 - Peginterferon Alfa-2A
 - Peginterferon Beta-1A
 - Ribavirin/Peginterferon Alfa-2B
 - Daclatasvir
 - Ledipasvir/Sofosbuvir
 - Ribavirin
 - Sofosbuvir
 - Dasabuvir/Paritaprevir/Ritonavir/Ombitasvir
 - Dasabuvir/Paritaprevir/Ribavirin/Ritonavir/Ombitasvir



Numerator

The number of regular Aboriginal clients aged 18 years and over who have completed DAA treatment within the previous 12 months

Denominator

The number of regular Aboriginal clients aged 18 years and over who have been recorded as HCV RNA positive OR with a diagnosis of Hepatitis C

HCV RNA Positive:	a recorded pathology result of HCV RNA positive in the client's record
Hepatitis C Diagnosis:	a recorded diagnosis of Hepatitis C infection in the client record
Completed DAA Treatment:	the recorded expiration date of a prescription of Direct Acting Antivirals medications including: <ul style="list-style-type: none">• pegylated interferon• daclatasvir• sofosbuvir + ledipasvir• ribavirin• sofosbuvir• paritaprevir + ritonavir + ombitasvir + dasabuvir• paritaprevir + ritonavir + ombitasvir + dasabuvir + ribavirin

For NSW KPI 4b to be recorded the user must request a pathology request and enter in the correct reason for visit and a prescription of the medications as listed in the business rules above.



NSW KPI 5 Population Health – STI Tests: Syphilis

Description

Proportion of regular Aboriginal clients aged 15-34 years (inclusive) who received a Syphilis test within the previous 12 months

Syphilis tests include Syphilis Serology tests.

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- A Syphilis test recorded is defined the presence of one of the LOINC codes in [Appendix 3: LOINC Codes – Syphilis](#)

Numerator

The number of regular Aboriginal clients aged 15-34 years (inclusive) who have a syphilis test recorded within the previous 12 months.

Denominator

The number of regular Aboriginal clients aged 15-34 years (inclusive).



NSW KPI 6 Population Health – HIV Tests

Description

Proportion of regular Aboriginal aged 15 years and above who were tested for HIV in the past 12 months

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- HIV test includes tests for 'HIV Screen' and 'AIDS Screen' A pathology result will be recorded in a patient's file with one of the LOINC codes in [Appendix 3: LOINC Codes – HIVAIDS](#)

Numerator

The number of regular Aboriginal clients aged 15 years and above who were tested for HIV in the past 12 months.

Denominator

The number of regular Aboriginal clients aged 15 years and above.



NSW KPI 7a Mental Health - GP Mental Health Treatment Plan

Description

This is the proportion of regular Aboriginal clients with an identified mental illness/es who have had a GP Mental Health Plan claimed within the previous 24 months. A care plan may be accessed from within the Clinical window by clicking the 'Assessment' tab and then selecting 'Care Plan'.

Note for the GP Mental Health plan to be recorded in the MD insights collection the health plan needs to be recorded, transmitted and accepted/rejected by Medicare. Recording the care plan in the Clinical software does not have an impact on the reporting for this KPI.

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3)
- Diagnosis of 'mental illness' is defined as patients with a history of one of the conditions listed in Appendix 4
- A GP Mental Health Plan is claimed as defined by the claiming of MBS item numbers 2700, 2701, 2715, 2717, 92112, 92113, 92124, 92125, 92116, 92117, 92128 OR 92129)

Numerator

The number of regular Aboriginal clients with a diagnosis matching the mental illness definition, with a GP Mental Health Plan claimed within the previous 24 months.

Denominator

The number of regular Aboriginal clients with a diagnosis matching the mental illness definition.



NSW KPI 7b Mental Health - GP Mental Health Treatment Plan Review

Description

Proportion of regular Aboriginal clients with an identified mental illness/es who have had a GP Mental Health Plan claimed within the previous 24 months where a review (MBS Items 2712, 92114 OR 92126).

Note: For the GP Mental Health care plan review to be recorded you will need to transmit the claim to Medicare and either accept the claim or have the claim rejected for it to be recorded in the collection. Recording the care plan in the Clinical software does not have an impact on the reporting for this KPI.

Business Rules

- A patient is identified as Aboriginal and Torres Strait Islander (see 1.1).
- A patient is defined as a regular client (see 1.2)
- A patient's age is defined by the difference between today's date and their date of birth as present in their 'Patient Details' (see 1.3).
- Diagnosis of 'Mental Illness' defined per Appendix 4.
- 'Had a GP Mental Health Plan' defined in 7.1

Numerator

The number of regular Aboriginal clients with a diagnosis matching the mental illness definition, with a GP Mental Health Plan (MBS Item 2700, 2701, 2715, 2717, 92112, 92113, 92124, 92125, 92116, 92117, 92128 OR 92129) claimed:

- within the previous 24 months, AND
- Reviews (MBS Item 2712, 92114 OR 92126) were claimed after the GP Mental Health Plan (MBS Item MBS Items 2700, 2701, 2715, 2717, 92112, 92113, 92124, 92125, 92116, 92117, 92128 OR 92129) was claimed

Denominator

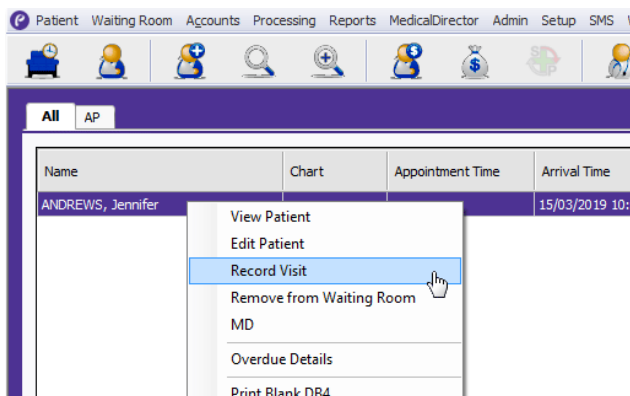
The number of regular Aboriginal clients with a diagnosis matching the mental illness definition, with a GP Mental Health Plan (MBS Item 2700, 2701, 2715, 2717, 92112, 92113, 92124, 92125, 92116, 92117, 92128 OR 92129) claimed within the previous 24 months.



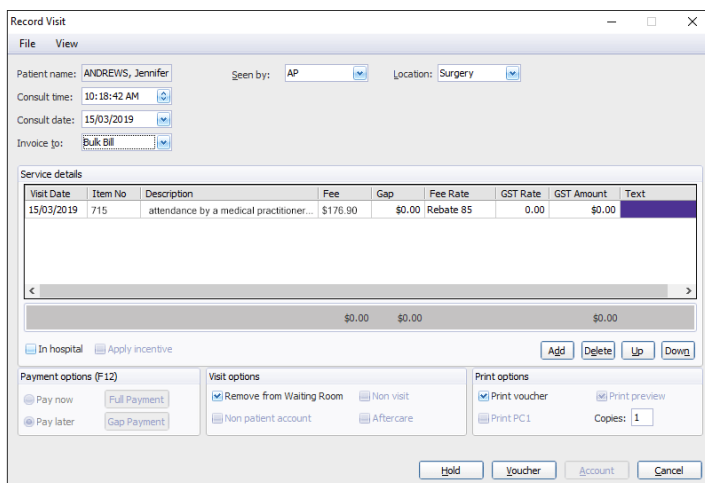
Appendix 1: Creating and Processing A Claim

The following instructions relate to Pracsoft. Within the Waiting Room, select the patient's record, and either;

1. Open MedicalDirector Pracsoft
2. Add Patient to the Pracsoft **Waiting Room**.
 - See '[Adding Patients to the Waiting Room](#)' for instructions.
3. Right-click the patient's name, and click **Record Visit**



4. Select the following:
 - Select **Bulk Bill** via the **Invoice To** drop-down list
 - Select the associated Doctor via the **Seen By** drop-down list.
 - **Service Details:** Item No: 715





After recording a visit / issuing an account to Bulk Bill or Vet Affairs, you must batch all the claim vouchers before they can be sent to Medicare Australia / Veterans' Affairs for processing. The following information explains the process of batching claims for both Bulk Bill and Veterans' Affairs claims.

1. Select either:
 - **Processing > Batch Bulk Claims > Medicare**, OR
 - **Processing > Batch Bulk Claims > Veterans' Affairs** (for batching Vet Affairs claims).
2. Click **Process** to process the batch. You will be prompted to confirm this action. Upon successfully processing a batch, the Batching Bulk Claims window will indicate that the batch has been processed, and the Process button will no longer be available for this batch.
3. Use the forward (right) or backward (left) buttons to scroll through the remaining batches and process them as desired.
4. Once you have completed processing batches, you can either;
 - Click **Send** on the Batching Bulk Claims window to send the batch now, or
 - Click **Close** on the Batching Bulk Claims window to save the processed batches, for sending in bulk later.

Batch Bulk Claims - Medicare using Online Claiming

Claim details Claim 1 of 2

Practitioner: AT Number of vouchers: 1
Location: Surgery Total amount claimed: \$212.25
Claim number: T0023

Show Process

Summary

Unclaimed visits: 2
Unclaimed amount: \$1,216.43
Minimum number of claims required: 2

Send Close

Batch Bulk Claims - Medicare using Online Claiming

Claim details Claim 1 of 2

Practitioner: AT Number of vouchers: 1
Location: Surgery Total amount claimed: \$212.25
Claim number: T0023

Show Process

Summary

Unclaimed visits: 2
Unclaimed amount: \$1,216.43
Minimum number of claims required: 2

Send Close

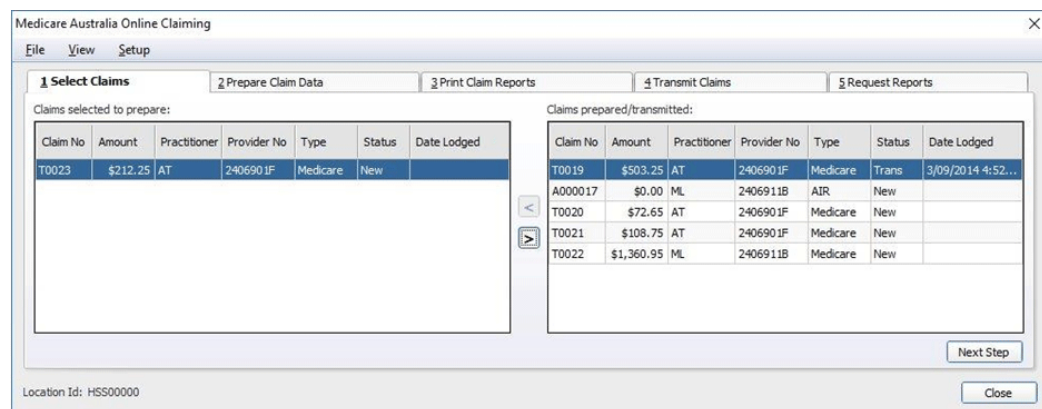


From the Pracsoft Waiting Room, select **Processing > Online Claiming**. The **Medicare Australia Online Claiming** window appears.

This window will only display claims for practitioners who have indicated that they use Medicare Australia Online (via the Practitioner Details window).

The left-hand section of this window displays Claims that have been batched but not yet prepared and Transmitted. The right-hand side displays claims that have been prepared or Transmitted. Claims can be moved to the right or left of this screen by simply double-clicking them.

1. Once you have placed the Claims you wish to prepare into the 'Claims Selected to Prepare' section, click **Next Step**. The **Prepare Claims Data** tab will be displayed. Go to Step 2 - Preparing Claiming Data for Transmission.
2. Click **Next Step** to begin preparing vouchers.
3. You will be prompted to double-check that the correct claims have been selected for processing.
 - o If you are using a location certificate only and the Practitioner for whom you are preparing the claim on behalf of does not use an individual token, the claim will process once you respond with 'Yes'.
 - o If you are preparing claim for a Practitioner who uses an individual token, the Practitioner must insert the Individual Token or iKey and type in the password for each Practitioner when prompted.
 - o If a claim has been prepared successfully you will be notified in this window.
 - o If issues are discovered they will be displayed in this window and recorded in a log file (called hiconline.log, found in the Pracsoft home directory on your computer).
 - o If a claim has failed preparation, take note of the reasons displayed (e.g. invalid provider number, invalid data item) and then click **Edit** to call an edit window in which you can make the appropriate changes. Once any errors with the claims are rectified, proceed to the Medicare Australia Online Claiming window via **Processing > Online Claiming** and attempt to process the claims again.
4. Once all claims have processed successfully click **Next Step**. The **Print Claims Reports** tab will be displayed. Go to Step 3 - Printing claims Reports.

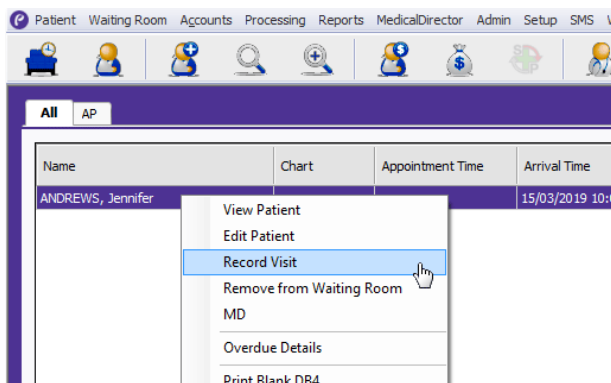




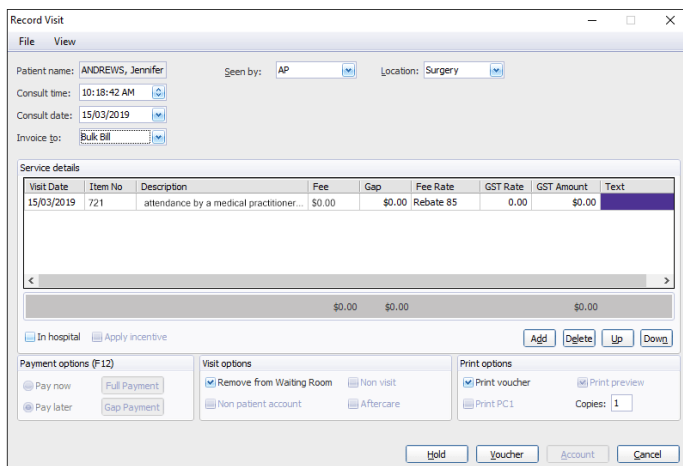
Appendix 2: Processing Claims

Example - Creating and Processing A 721 Claim

1. Open MedicalDirector Pracsoft
2. Add a patient to the Pracsoft **Waiting Room**.
 - See '[Adding Patients to the Waiting Room](#)' for instructions.
3. Right-click the patient's name, and click **Record Visit**



4. Select the following:
 - Select **Bulk Bill** via the **Invoice To** drop-down list
 - Select the associated Doctor via the **Seen By** drop-down list.
 - **Service Details:** Item No 721

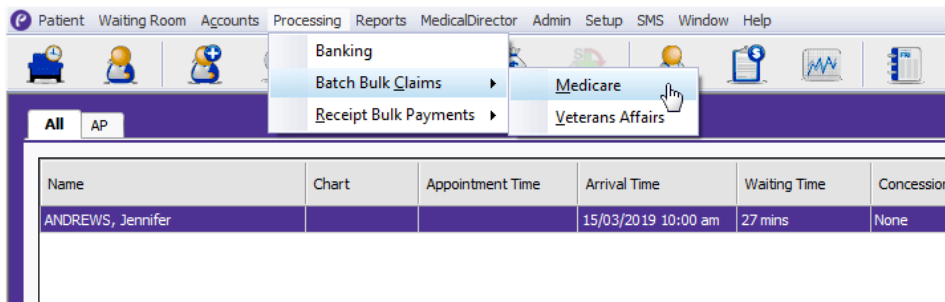


5. Click **Voucher**

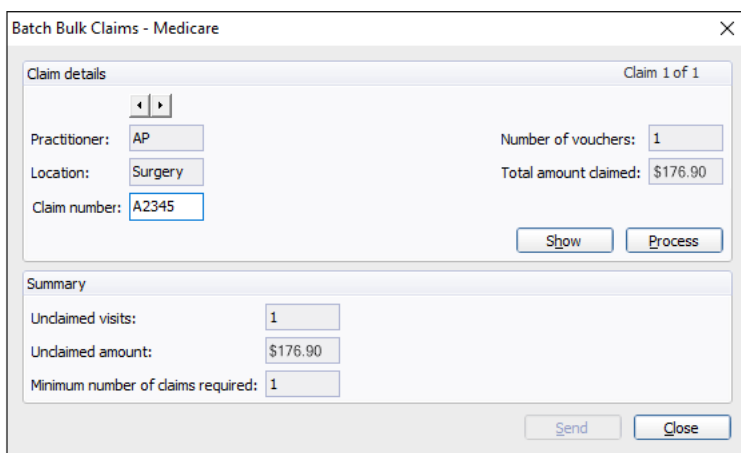


Example - Processing a Patient Claim

1. Select Processing > Batch Bulk Claims > Medicare



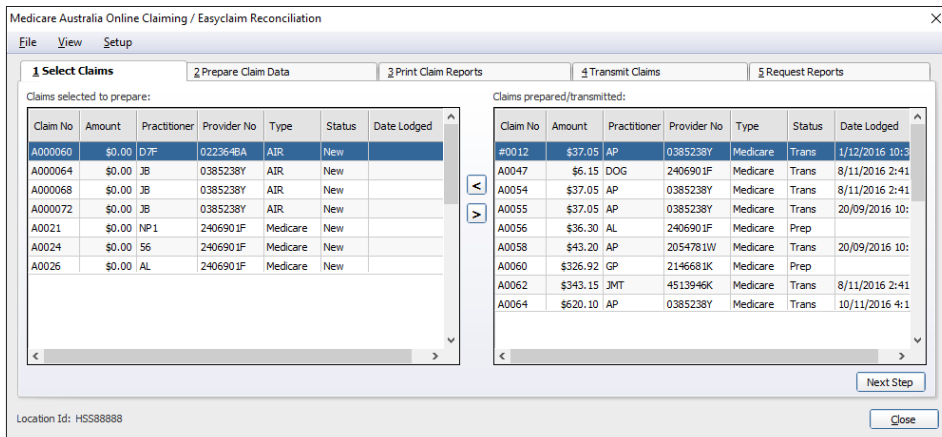
2. Enter a Claim Number (5 digits)



3. Click **Process**
4. Click **Yes**
5. Click **Send**

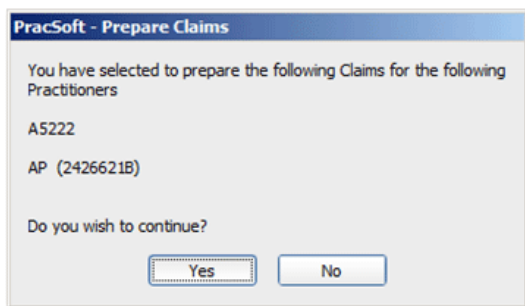


6. Click **Yes** to proceed. The **Select Claims Tab** is presented.



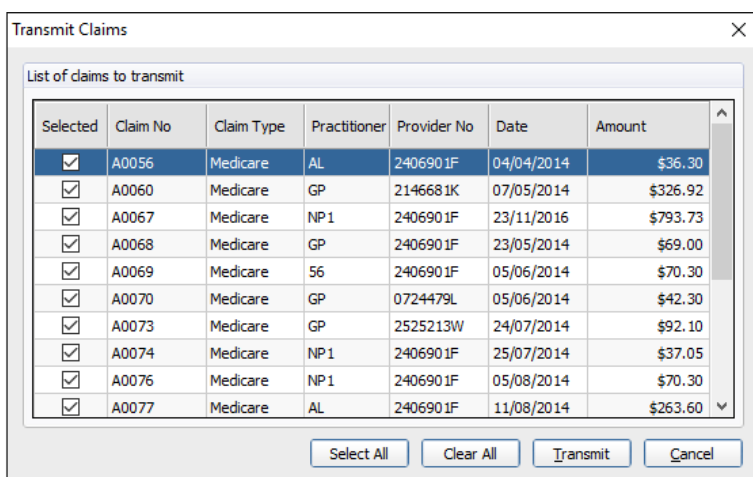
7. Click **Next Step**. The **Prepare Claim Tab** is presented. Click **Prepare**

8. When prompted, click **Yes** for claim item



9. Click **Next Step**. The **Transmit Claims** tab is presented.

10. Click **Transmit**. The **Transmit Claims** window appears.





11. Locate and tick the item(s) for transmitting.
12. Click **Transmit**



13. Click **OK**



Appendix 3: LOINC Codes

LOINC Codes - Hepatitis B							
45159-1	83100-8	49600-0	5008-8	72841-0	61166-5	75408-5	49495-5
74856-6	22319-8	49359-3	5009-6	72840-2	61168-1	39007-0	58405-2
59052-1	5186-2	49367-6	32366-7	49882-4	61165-7	32178-6	49177-9
39005-4	5185-4	40459-0	16934-2	72851-9	61164-0	77176-6	48070-7
51658-3	31204-1	45161-7	6421-2	72850-1	61156-6	33633-9	58452-4
22316-4	24113-3	49361-9	72056-5	61161-6	30937-7	49883-2	63557-3
5187-0	10673-2	49366-8	54210-0	61160-8	10397-8	42322-8	70154-0
5188-8	77190-7	32686-8	72849-3	61163-2	22321-4	33629-7	77739-1
22317-2	39006-2	23869-1	49877-4	61169-9	5189-6	55275-2	50967-9
21005-4	51659-1	29900-8	49878-2	61154-1	5190-4	16935-9	42505-8
16933-4	49358-5	49364-3	49879-0	61173-1	22320-6	5194-6	5195-3
13952-7	49357-7	49363-5	72848-5	61155-8	13953-5	5193-8	5197-9
75378-0	11258-1	20442-0	72847-7	61158-2	75407-7	22323-0	65633-0
47440-3	42595-9	29615-2	72846-9	61159-0	41151-2	21006-2	5196-1
47358-7	49368-4	47216-7	72845-1	61157-4	33463-1	42504-1	7905-3
22318-0	49360-1	48650-6	49880-8	61171-5	31845-1	22322-2	75410-1
13919-6	49602-6	49365-0	72844-4	61172-3	5191-2	10900-9	47364-5
32685-0	49601-8	49362-7	72843-6	61170-7	31844-4	39535-0	10674-0
40725-4	48398-2	5007-0	72842-8	61162-4	5192-0	75409-3	10675-7
51914-0	49606-7	29610-3	49881-6	61167-3	13954-3	32019-2	43279-9
							62871-9
							48163-0



LOINC Codes - Hepatitis C							
10676-5	33462-3	49370-0	51655-9	73655-3	LP112426-4	LP220242-4	LP38340-3
11011-4	34162-8	49371-8	51656-7	74856-6	LP14360-9	LP220245-7	LP38341-1
11076-7	34703-9	49372-6	51657-5	75886-2	LP14363-3	LP220251-5	LP38342-9
11077-5	34704-7	49373-4	51824-1	75887-0	LP14400-3	LP220264-8	LP38343-7
11259-9	38180-6	49374-2	5198-7	75888-8	LP15049-7	LP220303-4	LP38344-5
13125-0	38998-1	49375-9	5199-5	79189-7	LP15050-5	LP220401-6	LP38462-5
13955-0	39008-8	49376-7	53376-0	81116-6	LP171730-7	LP220402-4	LP40413-4
16128-1	40726-2	49377-5	53825-6	82376-5	LP172677-9	LP220405-7	LP40414-2
16129-9	41996-0	49378-3	54914-7	82377-3	LP172678-7	LP220415-6	LP62989-6
16936-7	42003-4	49379-1	55276-0	82380-7	LP172679-5	LP265747-8	LP63145-4
20416-4	42506-6	49380-9	56926-9	82381-5	LP172680-3	LP286217-7	LP65272-4
20571-6	42617-1	49603-4	56927-7	82512-5	LP174046-5	LP35053-5	LP66697-1
22324-8	44813-4	49604-2	56928-5	82513-3	LP17940-5	LP36783-6	LP70523-3
22325-5	44831-6	49605-9	56929-3	82514-1	LP17941-3	LP36787-7	LP94378-4
22326-3	47252-2	49607-5	56930-1	82525-7	LP17943-9	LP36866-9	LP96486-3
22327-1	47365-2	49608-3	57006-9	88453-6	LP183571-1	LP38332-0	LP96487-1
22328-9	47441-1	49758-6	59052-1	89359-4	LP183585-1	LP38333-8	LP96488-9
22329-7	48159-8	49846-9	62868-5	92731-9	LP186246-7	LP38334-6	LP96489-7
23870-9	48574-8	50023-1	62869-3	9608-1	LP186247-5	LP38335-3	LP96490-5
23871-7	48575-5	5010-4	6422-0	9609-9	LP186248-3	LP38336-1	LP96775-9
24011-9	48576-3	5011-2	72376-7	9610-7	LP200104-0	LP38337-9	LP96777-5
29609-5	48796-7	5012-0	72862-6	LG32754-0	LP200105-7	LP38338-7	LP96778-3
32286-7	49369-2	51649-2	73654-6	LP112425-6	LP207929-3	LP38339-5	LP96779-1
							LP96780-9
							LP99676-6
							LP99729-3



LOINC Codes - Syphilis				
75180-0	22461-8	39015-3	43238-5	47361-1
75181-8	20507-0	51474-5	51475-2	34147-9
75193-3	5292-8	49800-6	50695-6	47236-5
75199-0	22463-4	11597-2	22590-4	47514-5
75182-6	47360-3	63464-2	26009-1	47063-3
75194-1	21030-2	17724-6	34382-2	22594-6
75185-9	22464-2	5392-6	5394-2	51839-9
62877-6	14904-7	17725-3	71793-4	17728-7
83319-4	46203-6	41122-3	47512-9	69946-2
39231-6	31146-4	22586-2	47051-8	6562-3
75197-4	11084-1	50689-9	22592-0	47237-3
22460-0	31147-2	9826-9	51838-1	40680-1
5289-4	50690-7	22587-0	17727-9	17729-5
22462-6	47476-7	24312-1	58031-6	53605-2
20508-8	47235-7	8041-6	58751-9	49799-0
5291-0	29310-0	24110-9	6561-5	41163-7
43813-5	76766-5	57032-5	47238-1	73752-8
51783-9	22585-4	5393-4	40679-3	68502-4
22459-2	13288-6	17723-8	17726-1	34954-8
5290-2	47511-1	46206-9	47513-7	



LOINC Codes - HIV / AIDS						
10901-7	16975-5	32827-8	35565-1	9662-8	57977-1	45233-4
10902-5	16977-1	32842-7	38998-1	9663-6	57978-9	51866-2
11078-3	18396-2	33508-3	40437-6	9664-4	59052-1	
11079-1	19110-6	33660-2	40438-4	9666-9	49580-4	
11080-9	21007-0	33806-1	40439-2	9667-7	49718-0	
11081-7	21334-8	33807-9	40732-0	9668-5	49905-3	
11082-5	21335-5	33866-5	40733-8	9669-3	48023-6	
12855-3	21336-3	34591-8	41144-7	9821-0	48345-3	
12856-1	21337-1	34592-6	41145-4	9836-8	47359-5	
12857-9	21338-9	34699-9	42600-7	9837-6	44872-0	
12858-7	21339-7	35437-3	42627-0	62456-9	44873-8	
12859-5	21340-5	35439-9	42917-5	68961-2	45212-8	
12870-2	24012-7	35440-7	43009-0	69353-1	73905-2	
12871-0	25835-0	35441-5	43010-8	5017-9	73906-0	
12872-8	25841-8	35442-3	43011-6	5018-7	74853-3	
12875-1	25842-6	35443-1	43012-4	5221-7	74856-6	
12876-9	28004-0	35444-9	43013-2	5222-5	77368-9	
12893-4	29327-4	35445-6	44531-2	5225-8	77369-7	
12894-2	29893-5	35446-4	44532-0	53379-4	7917-8	
12895-9	30361-0	35447-2	44533-8	53825-6	7918-6	
13920-4	31072-2	35448-0	44871-2	54086-4	7919-4	
14092-1	31201-7	35449-8	80387-4	56888-1	79379-4	
14126-7	31430-2	35450-6	81641-3	57974-8	79380-2	
16132-3	32571-2	35452-2	9660-2	57975-5	47029-4	
16974-8	32602-5	35564-4	9661-0	57976-3	30245-5	



Appendix 4: Mental Illness

psychosi@drug	Drug induced Psychosis
psychosi@drug	Psychosis - Drug Induced
senip	Psychosis - senile
senip	Senile psychosis
senip	Para schizophrenia
schip@paranoia	Paranoid schizophrenia
schip@paranoia	Schizophrenia - paranoid
schip@catatoni	Catatonic schizophrenia
schip@catatoni	Schizophrenia - catatonic
schizoafd	Schizo-affective disorder
schip@chro	Schizophrenia - Chronic
paranoia	Paranoia
paranoia	Paranoid traits
paranoid	Paranoid
paranoid	Paranoid feeling
paranoid	Persecution thoughts
paranoia	Paranoid traits
paranoid	Paranoid feeling
schip	Schizophrenia
mdi	Manic depressive illness
mdi	Bipolar affective disorder
mdi	Manic depressive illness
mdi	Manic depressive psychosis
depr@postn	Depression - Post Natal
depr@postn	Post Natal Depression
depr@postn	Depression - Post Natal
depr@postn	Post Natal Depression
anorn	Anorexia nervosa
anorn	Anorexia syndrome
psychosi	Psychosis
psychosi	Psychotic disorders
psychosi@drug	Psychosis - Drug Induced
psyck	Korsakoff's psychosis



anxid	Anxiety
anxid	Anxiety disorder
anxid	Anxiety neurosis
anxid	Nervous Anxiety
anxid	Neurotic anxiety
adjud	Adjustment Disorder
adjud	Environment Change Stress Disorder
adjud	Stress Environment Adjustment Disorder
grier@norm	Bereavement
grier	Pathological grief
grier	Grief reaction
grier	Mourning reaction
grier	Pathological mourning
feel*I	Feeling depressed
feel*I	Depressed
feel*I	Dysthymia
feel*I	Dysthymic
feel*I	Feeling low
feel*I	Feeling sad
feel*I	Melancholy
feel*I	Mood - low
feel*I	Sad feeling
abus@alco	Alcohol addiction
abus@alco	Alcohol dependence
abus@alco	Abuse - Alcohol
abus@alco	Alcohol abuse
abus@alco	Alcoholic



abus@alco	Alcoholism
abus@toba	Tobacco abuse
abus@toba	Tobacco dependence
abus@toba	Abuse - Tobacco
abus@toba	Cigarette abuse
abus@toba	Cigarette dependence
abus@toba	Nicotine use disorder
abus@toba	Smoking
abus@toba	Tobacco abuse
abus@toba	Tobacco dependence
abus@toba	Abuse - Tobacco
abus@toba	Cigarette abuse
abus@toba	Cigarette dependence
abus@toba	Nicotine use disorder
drug@seeking@beha	Drug seeking behaviour
abus@drug	Drug addiction
abus@drug	Drug dependence
abus@drug	Abuse - Drug
abus@drug	Drug abuse
abus@drug	Drug addict
abus@opia	Heroin addiction
abus@opia	Heroin dependence
abus@amph	Amphetamine addiction
abus@amph	Abuse - Amphetamine
abus@amph	Amphetamine abuse
abus@amph	Drug abuse - Amphetamines
abus@amph	Speed addiction



abus@amph	Speed user
abus@amph@mdma	Drug abuse - Ecstasy
abus@cann	Marijuana addiction
abus@cann	Abuse - cannabis
abus@cann	Cannabis dependence
abus@cann	Cannabis use
abus@cann	Drug abuse - cannabis
abus@cann	Marijuana use
abus@lysea	Abuse - LSD
abus@lysea	LSD abuse
abus@coca	Cocaine addiction
abus@coca	Cocaine dependence
abus@coca	Abuse - Cocaine
abus@opia	Narcotic abuse
abus@opia	Narcotic addiction
abus@opia	Narcotic dependence
abus@opia	Opiate abuse
abus@opia	Opiate addiction
abus@opia	Opiate dependence
abus@opia	Abuse - Narcotic
abus@opia	Abuse - Opiate
abus@opia	Drug abuse - Opiates
abus@opia	Heroin addiction
abus@opia	Heroin dependence
abus@opia	Morphine addiction
abus@opia	Morphine dependence
abus@halla	Abuse - Hallucinogen



abus@halla	Hallucinogen abuse
behap@chil	Behaviour problem - Child
behap@chil	Behaviour problems - Child
behap@chil	Child behaviour problem
behap@chil	Behaviour problem - Child
behap@chil	Behaviour problems - Child
behap@chil	Child behaviour problem
behap@adol	Adolescent behaviour problem
behap@adol	Behaviour problem - Adolescent
behap@adol	Adolescent behaviour problem
behap@adol	Behaviour problem - Adolescent
abus@gambling	Abuse - Gambling
abus@gambling	Addiction - Gambling
abus@gambling	Gambling Addiction
cond	CD (conduct disorder)
cond	Conduct disorder
ppoc@counsell@grie	Counselling - Grief
ppoc@counsell@grie	Grief Counselling
ppoc@cogn@beha@therapy	Cognitive Behavioural Therapy
ppoc@cogn@beha@therapy	Focussed Psychological Strategy
anxid	Anxiety
anxid	Anxiety disorder
anxid	Anxiety neurosis
anxid	Nervous Anxiety
anxid	Neurotic anxiety
anxid	Anxiety neurosis
anxid	Nervous Anxiety



anxid	Neurotic anxiety
anxid	Anxiety
anxid	Anxiety disorder
anxid@pani	Panic disorder
anxid@pani	Anxiety attacks
anxid@pani	Anxiety with panic attacks
anxid@pani	Panic attacks
anxid@pani	Anxiety attacks
anxid@pani	Anxiety with panic attacks
anxid@pani	Panic attacks
anxid@pani	Panic disorder
depr	Depression
depr	Melancholia
depr	Organic depression
depr@reac	Reactive Depression
depr@reac	Depression - Reactive
depr@endog	Depression - Endogenous
depr@endog	Endogenous depression
anxi@depr	Anxiety/Depression
anxi@depr	Depressive anxiety disorder
anxi@depr	Mixed anxiety/depressive disorder
depr:majo	Major depressive disorder
depr:majo	Depression - Major
anxi@soci	Social Phobia
anxi@soci	Anxiety - social
anxi@soci	Social Anxiety Disorder
persd	Borderline personality disorder



persd	Inadequate personality
persd	Personality disorder
auti	Autism
autis	Autistic spectrum disorder
prob@deat@spou	Death of partner
prob@deat@spou	Loss of partner
prob@deat@spou	Problem - Death - Spouse
prob@deat@chil	Death of child
prob@deat@chil	Problem - Death - Child
behap@chil	Behaviour problem - Child
behap@chil	Behaviour problems - Child
behap@chil	Child behaviour problem
grier@norm	Bereavement
prob@deat@pare	Death of parent
prob@deat@pare	Problem - Death - Parent
eatid	Eating Disorder
buli	Bulimia
behap	Problem behaviour
abus@gambling	Addiction - Gambling
abus@drug	Drug addiction
&ctx@dx[adjud],with[feel@anxi]	Adjustment disorder with anxious mood
adjud@anxi@depr	Adjustment disorder with depressed and anxious mood
&ctx@dx[adjud],with[feel*!]	Adjustment disorder with depressed mood
prob@alco	Alcohol excess
anxid@general	Anxiety - generalised
feel@anxi@performa	Anxiety - performance
Behap	Behaviour problem



anxid@general	Generalised Anxiety Disorder (GAD)
feel@anxi	Mood - anxious
persd:dx,ctx:bord	Personality disorder - Borderline
Ptsd	Post-traumatic stress disorder
Ptsd	PTSD (post-traumatic stress disorder)