



# ALSWH COMMON CONDITIONS FROM MULTIPLE SOURCES DATASETS

## Selection Criteria and Data Dictionary for ALL cohort Common Conditions Dataset

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## Composition of datasets

### Dates of coverage for data sources

The linkage datasets from which the common conditions datasets are derived cover differing time periods and for different states or territories.

Data source		State	From	To
1	Cause Of Death (from AIHW National Death Index)	all	May 1996	Oct 2022
2	Cancer registry	all	Jan 1982	Dec 2019
4.1	MBS	all	Feb 1984	Aug 2022
4.2	MBS: DVA	all	Jan 1991	Dec 2020
5	PBS	all	Jul 2002	Dec 2022
6.1	Hospital: Admissions	ACT <sup>2</sup>	Jul 2004	Jun 2020
		NSW <sup>3</sup>	Jun 2001	Mar 2021
		NT <sup>2</sup>	Jun 2000	Jun 2019
		Qld <sup>3</sup>	Jun 2007	Jun 2020
		SA <sup>1</sup>	Jun 2000	Jun 2020
		Tas <sup>2</sup>	Jan 2007	Dec 2019
		Vic <sup>4</sup>	Jan 2000	Dec 2020
		WA	Jan 1970	Aug 2021
6.2	Hospital: Emergency	ACT <sup>2</sup>	Jul 2005	Jun 2020
		NSW	Jan 2005	Mar 2021
		NT <sup>2</sup>	Jul 2000	Jun 2019
		Qld	Jul 2009	Jun 2020
		SA <sup>1</sup>	Jul 2003	Jun 2020
		Tas <sup>2</sup>	Jan 2007	Dec 2019
		Vic	Jul 1999	Dec 2020
		WA	Jan 2002	Dec 2021

Data source		State	From	To
7.1	Aged Care: ACAP	all	Jul 2003	May 2016
7.2	Aged Care: ACFI	all	Jul 2008	Jun 2020
7.3	Aged Care: events	all	May 1997	Sep 2015
7.4	Aged Care: veterans' homes	all	Jan 2001	Apr 2021
7.5	Aged Care: home care packages	all	Jan 1996	Sep 2020
7.6	Aged Care: NSAF	all	Apr 2000	Jun 2020

<sup>1</sup> Public Hospitals ONLY

<sup>2</sup> Limited Public Hospitals ONLY

<sup>3</sup> Qld data from Jul 2002 to Jul 2007 is Public Hospitals ONLY

<sup>4</sup> Vic data from Jul 1993 to Dec 1999 were supplied in 2019; data from 2000 only were re-supplied in 2021

**Note:** After advice from the ALSWH Senior Project Coordinator (Data Linkage), no DVA data have been used as sources for the generation of these CCMS datasets, hence they are **greyed out** in the table above.

## Integrating individual common conditions datasets

The dataset **all\_CCMS\_20240109** (55524 records) is built of the data-linkage-permitting women in all cohorts and the ALL common conditions datasets. Each of these ALL conditions datasets are for all cohorts of women:

**all\_linkagebase\_20240108** (55524 records).

**all\_asthma\_20240112** (7493 records) selected specifically for asthma.

**all\_cancer\_20240112** (8282 records) selected only on minimal sources: COD, hospital, MBS and cancer registry, **NOT** ALSWH self-report.

**all\_cholesterol\_20240112** (13664 records) selected specifically for hypercholesterolaemia.

**all\_copd\_20240112** (3092 records) selected specifically for COPD.

**all\_dementia\_20240112** (4947 records) selected on valid dementia diagnosis as originally used in other dementia researchers' selection. This is largely "Alzheimer disease", "Vascular dementia" and "Unspecified dementia".

**all\_diabetes\_20240112** (6408 records) selected on the Multi-morbidity report criteria.

**all\_eatdisorder\_20240112** (1179 records) selected on narrower Multi-morbidity report criteria: specifically eating disorder criteria.

**all\_fibroids\_20240112** (1650 records) selected specifically for uterine fibroids.

**all\_hypertension\_20240112** (19217 records) selected principally on essential hypertension and excludes gestational hypertension.

**all\_ischeartdis\_20240112** (9617 records) selected on narrower Multi-morbidity report criteria: it specifically selects for ischaemic heart disease (i.e. does not contain “heart failure”), however it does include “heart surgery” from survey questions as these are primarily for ischaemia (“heart bypass, angioplasty, angiography”).

**all\_mhdepnanx\_20240112** (25538 records) it specifically selects for depression and anxiety utilising scales and with extended ALSWH variables, MBS, PBS, and ICD codes.

**all\_musckel\_20240130** (31740 records) it specifically selects for depression and anxiety utilising scales and with extended ALSWH variables, MBS, PBS, and ICD codes.

**all\_stroke\_20240112** (4499 records) selected on the Multi-morbidity report criteria.

### Previous datasets now excluded

There was previously an **all\_respiratory** dataset which was determined to conflate multiple respiratory conditions. This dataset has been split into the new asthma and COPD datasets.

### Re-issue of these datasets

As ALSWH is a longitudinal study, data are regularly supplied such as new surveys or updated and extended linkage datasets.

It is expected that these common conditions datasets will be re-issued annually incorporating the new data. These re-issues will most likely be completed at the beginning of the calendar year.

## Selection criteria for datasets

### Asthma

**ALL COHORT ASTHMA DATASET  
FROM ALSWH, MBS, PBS, HOSPITAL, AND DEATHS.**

This dataset was selected specifically for asthma. As there are specific MBS item specific for asthma, MBS was used as a source in comparison to the COPD dataset.

In Asthma dataset			
cohort	No	Yes	Total
<b>1921-26 (OLD)</b>	10262	1817 (15.04%)	<b>12079</b>
<b>1946-51 (MID)</b>	10822	2129 (16.44%)	<b>12951</b>
<b>1973-78 (YNG)</b>	11992	1509 (11.18%)	<b>13501</b>
<b>1989-95 (NYC)</b>	14955	2038 (11.99%)	<b>16993</b>
<b>Total</b>	<b>48031</b>	<b>7493 (13.5%)</b>	<b>55524</b>

**Maximum number of sources reporting this condition: 5**



## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	M	MBS
9	P	PBS
10	H	Hospital admissions
11	H	Hospital emergency

Data source	Eligibility criteria
ALSWH SURVEY	Reported twice or more <b>AND</b> Breathing difficulties 'often' once or more <b>AND</b> Once or more in MBS, PBS, or Hospital.
MBS	Reported once or more.
PBS	Reported twice or more 'scripts within 12m <b>OR</b> Once <b>AND</b> Once or more in MBS or Hospital.
Hospital	Reported once or more.
COD	Reported once.

## Asthma selection functions used

Category 1: Asthma according to multi-morbidity report

Category 9: Other PBS authored medication for asthma

Function	Description	Output
<b>fasmcomm</b>	PARM STRING COMMENT TO TEST FOR ASTHMA	01
<b>fasmidx</b>	PARM STRING ICD CODE TO TEST FOR ASTHMA	01
<b>fasmmbbs</b>	PARM STRING MBS CODE TO TEST FOR ASTHMA	01
<b>fasmmed2</b>	PARM STRING PBS ITEM CODE OR ATC CODE TO TEST FOR ASTHMA	019

## Survey questions

YNG01:	y1q15e	asthma, ever dx
	y1q26ab	asthma, 12m exp
YNG02:	y2q12ah	asthma, <=4y dx
	y2q12bh	asthma, >4y dx
YNG03:	y3q12h	asthma, 3y dx
YNG04:	y4q12h	asthma, 3y dx
YNG05:	y5q12f	asthma, 3y dx
	y5q13ae	breathing difficulty, 12m exp
YNG06:	y6q12f	asthma, 3y dx
	y6q13ae	breathing difficulty, 12m exp
YNG07:	y7q24f	asthma, 3y dx
	y7q44ae	breathing difficulty, 12m exp
YNG08:	y8q24k	asthma, 3y dx
	y8q50ae	breathing difficulty, 12m exp
YNG09:	y9q24p	asthma, 3y dx
	y9q40af	breathing difficulty, 12m exp
MID01:	m1q15g	asthma, ever dx
	m1q34ab	breathing difficulty, 12m exp
MID02:	m2q20h	asthma, 3y dx
	m2q29ab	breathing difficulty, 12m exp
MID03:	m3q35j	asthma, 3y dx
	m3q37ab	breathing difficulty, 12m exp
MID04:	m4q29al	med for asthma, presc, 4w taken
	m4q29bl	med for asthma, other, 4w taken
	m4q32i	asthma, 3y dx
	m4q38ab	breathing difficulty, 12m exp
MID05:	m5q38j	asthma, 3y dx
	m5q44ab	breathing difficulty, 12m exp
MID06:	m6q38k	asthma, 3y dx
	m6q46ab	breathing difficulty, 12m exp
MID07:	m7q32s	asthma, 3y dx
	m7q42b	breathing difficulty, 12m exp
MID08:	m8q30s	asthma, 3y dx
	m8q36h	med salbutamol, 4w taken
	m8q41b	breathing difficulty, 12m exp
MID09:	m9q33z	asthma, 3y dx
	m9q42a	med salbutamol, 4w taken
	m9q47b	breathing difficulty, 12m exp
MID10:	m10q37hh	asthma, 3y dx
	m10q44a	med salbutamol, 4w taken
	m10q45b	breathing difficulty, 12m exp
OLD01:	o1q16g	asthma, ever dx
	o1q27ab	breathing difficulty, 12m exp
OLD02:	o2q1h	asthma, 3y dx
	o2q16ab	breathing difficulty, 12m exp
OLD03:	o3q1h	asthma, 3y dx
	o3q8e	med for asthma, presc, 4w taken
	o3q18af	breathing difficulty, 12m exp
OLD04:	o4q1j	asthma, 3y dx
	o4q25f	breathing difficulty, 12m exp
OLD05:	o5q1i	asthma, 3y dx
	o5q23d	breathing difficulty, 12m exp
OLD06:	o6q1k	asthma, 3y dx
	o6q3d	breathing difficulty, 12m exp
OLD07:	o7q13c	breathing difficulty, 12m exp
NYC01:	z1q9f	MEDH379 asthma, ever dx
	z1q4b	CPRB002 breathing difficulty, 12m exp

NYC02:	z2q10f	MEDH379	asthma, ever dx
	z2q4b	CPRB002	breathing difficulty, 12m exp
NYC03:	z3q10b	MEDH379	asthma, ever dx
	z3q4b	CPRB002	breathing difficulty, 12m exp
NYC05:	z5q39b	MEDH379	asthma, ever dx
	z5q40b	MEDH510	asthma, 12m dx rx
	z5q59	CPRB002	breathing difficulty, 12m exp
NYC06:	z6q5b	MEDH379	asthma, ever dx
	z6q6b	MEDH608	asthma, 2y dx rx
	z6q12	CPRB002	breathing difficulty, 12m exp

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
 "asthma", "astma", "athsma"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	493	Asthma
10	J45	Asthma
10	J46	Status asthmaticus

### *MBS item codes*

00265	Professional attendance at consulting rooms of more than 5 minutes requirements of the Asthma Cycle of Care
00266	Professional attendance at a place other than consulting rooms of more than 5 minutes requirements of the Asthma Cycle of Care
00268	Professional attendance at consulting rooms of more than 25 minutes requirements of the Asthma Cycle of Care
00269	Professional attendance at a place other than consulting rooms of more than 25 minutes requirements of the Asthma Cycle of Care
00270	Professional attendance at consulting rooms of more than 45 minutes requirements of the Asthma Cycle of Care
00271	Professional attendance at a place other than consulting rooms of more than 45 minutes requirements of the Asthma Cycle of Care
02546	At a minimum the Asthma 3+ Visit Plan
02547	Out-of-surgery consultation - Completion Of The Asthma 3+ Visit Plan
02552	Out-of-surgery consultation - Completion Of The Asthma 3+ Visit Plan
02553	Out-of-surgery consultation - Completion Of The Asthma 3+ Visit Plan
02558	Out-of-surgery consultation - Completion Of The Asthma 3+ Visit Plan
02559	Out-of-surgery consultation - Completion Of The Asthma 3+ Visit Plan
02664	At a minimum the Asthma 3+ Visit Plan
02666	Long consultation or more than 25 minutes duration - completes the requirements of the Asthma 3+ Visit Plan
02668	Prolonged consultation of more than 45 minutes duration - completes the requirements of the Asthma 3+ Visit Plan
02673	Out-of-surgery consultation - completes the requirements of the Asthma 3+ Visit Plan
02675	Long consultation or more than 25 minutes duration - completes the requirements of the Asthma 3+ Visit Plan
02677	Prolonged consultation of more than 45 minutes duration - completes the requirements of the Asthma 3+ Visit Plan
71095	Quantitation of serum or plasma eosinophil cationic protein, or both, to a maximum of 3 assays in 1 year, for monitoring the response to therapy in corticosteroid treated asthma

### *PBS Item Codes and ATC Codes for PBS and survey medications*

02065Q <sup>†</sup>	R03BA02	Budesonide
02066R <sup>†</sup>	R03BA02	Budesonide
02827T <sup>†</sup>	R03AK11	Formoterol and fluticasone
08136F <sup>†</sup>	R03AC13	Formoterol
08141L <sup>†</sup>	R03AC12	Salmeterol
08239P <sup>†</sup>	R03AC13	Formoterol
08408M <sup>†</sup>	R03BA01	Beclometasone
08409N <sup>†</sup>	R03BA01	Beclometasone
08430Q <sup>†</sup>	R03AK06	Salmeterol and other drugs for obstructive airway diseases

08431R†	R03AK06	Salmeterol and other drugs for obstructive airway diseases
08517G†	R03AK06	Salmeterol and other drugs for obstructive airway diseases
08518H†	R03AK06	Salmeterol and other drugs for obstructive airway diseases
08625Y†	R03AK07	Formoterol and other drugs for obstructive airway diseases
08627C†	R03DC03	Montelukast
08628D†	R03DC03	Montelukast
08796Y†	R03AK07	Formoterol and other drugs for obstructive airway diseases
09745X†	R03DX05	Omalizumab
09746Y†	R03DX05	Omalizumab
10007Q†	R03AK11	Formoterol and fluticasone
10008R†	R03AK11	Formoterol and fluticasone
10015D†	R03AK07	Formoterol and other drugs for obstructive airway diseases
10024N†	R03AK07	Formoterol and other drugs for obstructive airway diseases
10109C†	R03DX05	Omalizumab
10110D†	R03DX05	Omalizumab
10118M†	R03DX05	Omalizumab
10122R†	R03DX05	Omalizumab
10956P†	R03DX05	Omalizumab
10967F†	R03DX05	Omalizumab
10968G†	R03DX05	Omalizumab
10973M†	R03DX05	Omalizumab
10980X†	R03DX09	Mepolizumab
10996R†	R03DX09	Mepolizumab
11003D†	R03DX09	Mepolizumab
11014Q†	R03DX09	Mepolizumab
11043F†	R03BB04	Betamethasone
11129R†	R03AK10	Vilanterol and fluticasone furoate
11273H†	R03AK07	Formoterol and other drugs for obstructive airway diseases
11504L†	R03DX10	Benralizumab
11523L†	R03DX10	Benralizumab
11529T†	R03DX10	Benralizumab
11549W†	R03DX10	Benralizumab
11629C†	R03BB04	Tiotropium bromide
11824H†	R03DX05	Omalizumab
11825J†	R03DX05	Omalizumab
11826K†	R03DX05	Omalizumab
11828M†	R03DX05	Omalizumab
11829N†	R03DX09	Mepolizumab
11830P†	R03DX10	Benralizumab
11835X†	R03DX05	Omalizumab
11839D†	R03DX09	Mepolizumab
11840E†	R03DX05	Omalizumab
11846L†	R03DX05	Omalizumab
11847M†	R03DX10	Benralizumab
11864K†	R03DX05	Omalizumab
11932B†	R03DX05	Omalizumab
11945Q†	R03DX05	Omalizumab
11946R†	R03DX05	Omalizumab
11950Y†	R03DX05	Omalizumab
11952C†	R03DX05	Omalizumab
11953D†	R03DX05	Omalizumab
11958J†	R03DX05	Omalizumab
11962N†	R03DX05	Omalizumab
11994G†	R03DX10	Benralizumab
11995H†	R03DX10	Benralizumab
11996J†	R03DX10	Benralizumab
11997K†	R03DX10	Benralizumab
11999M†	R03DX10	Benralizumab
12000N†	R03DX10	Benralizumab
12007Y†	R03DX09	Mepolizumab
12021Q†	R03DX09	Mepolizumab
12029D†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12030E†	R03DX09	Mepolizumab

12041R†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12042T†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12043W†	R03DX09	Mepolizumab
12051G†	R03DX09	Mepolizumab
12052H†	R03DX09	Mepolizumab
12064Y†	R03DX09	Mepolizumab
12073K†	R03DX09	Mepolizumab
12082X†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12089G†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12093L†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12100W†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12101X†	R03AK07	Formoterol and other drugs for obstructive airway diseases
12183F†	R03AK08	Formoterol and beclometasone
12269R†	R03AK14	Indacaterol and mometasone
12279G†	R03AK14	Indacaterol and mometasone
12289T†	R03AK14	Indacaterol and mometasone
12293B†	D11AH05	Dupilumab
12294C†	D11AH05	Dupilumab
12295D†	R03AL12	Indacaterol, glycopyrronium bromide and mometasone
12298G†	R03AL12	Indacaterol, glycopyrronium bromide and mometasone
12302L†	D11AH05	Dupilumab
12309W†	D11AH05	Dupilumab
12310X†	D11AH05	Dupilumab
12313C†	D11AH05	Dupilumab
12316F†	D11AH05	Dupilumab
12318H†	D11AH05	Dupilumab
12917W†	R03AL08	Vilanterol, umeclidinium bromide and fluticasone furoate
13200R†	R03AL09	Formoterol, glycopyrronium bromide and beclometasone
13205B†	R03AK08	Formoterol and beclometasone
	R03DC01‡	Zafirlukast
	R03DC03‡	Montelukast
	R03DC53‡	Montelukast, combinations

†Asthma from PBS ITEM CODE; ‡Asthma from PBS AUTHORISATION

## Cancer

### ALL COHORT CANCER DATASET FROM LIMITED SOURCES: CANCER REGISTRY, MBS FROM 2020, HOSPITAL FROM 2020, AND DEATHS.

This dataset was derived from limited sources. After advice, no self-report from ALSWH surveys were used for selection but inclusion in the cancer registry is used for selection. The dataset was selected only for malignant cancers so no skin cancer is included except for melanoma. MBS schedules from 1996 to 2023 were reviewed for relevant item codes and limited after consultation with the data analyst to MBS item code with high positive predictive value. Hospital and MBS were only used solely for selection if codes post 2019: the latest date of the cancer registry.

In Cancer dataset			
cohort	No	Yes	Total
1921-26 (OLD)	8031	4048 (33.51%)	12079
1946-51 (MID)	9722	3229 (24.93%)	12951
1973-78 (YNG)	12771	730 (5.41%)	13501
1989-95 (NYC)	16718	275 (1.62%)	16993
<b>Total</b>	<b>47242</b>	<b>8282 (14.92%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 4

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	R	Cancer registry
3	M	MBS
4	H	Hospital admissions
5	H	Hospital emergency

Data source	Eligibility criteria
Cancer Registry	Reported once.
MBS	Reported once or more if after 2019.
Hospital	Reported once or more if after 2019.
COD	Reported once.

## Cancer selection functions used

### Category 1: Malignant/carcinoma cancer

Function	Description	Output
<b>fncandx3</b>	PARAM STRING ICD CODE TO SPECIFICALLY MALIGNANT CANCER CHAPTER "C"	01
<b>fncanmbs2</b>	PARAM STRING MINIMAL MBS CODE TO TEST FOR CANCER	01

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	14*	Malignant Neoplasm of Lip, Oral Cavity, And Pharynx
9	15*	Malignant Neoplasm of Digestive Organs and Peritoneum
9	16*	Malignant Neoplasm of Respiratory and Intrathoracic Organs
9	17*	Malignant Neoplasm of Other Organs
9	18*	Malignant Neoplasm of Genitourinary Organs
9	19*	Malignant Neoplasm of Other and Unspecified Sites
9	20*	Malignant Neoplasm of Lymphatic and Hematopoietic Tissue
10	C0*	Malignant neoplasms
10	C1*	Malignant neoplasms
10	C2*	Malignant neoplasms
10	C3*	Malignant neoplasms
10	C4*	Malignant neoplasms
10	C5*	Malignant neoplasms
10	C6*	Malignant neoplasms
10	C7*	Malignant neoplasms
10	C8*	Malignant neoplasms
10	C9*	Malignant neoplasms

### *MBS item codes*

00871	MULTIDISCIPLINARY CASE CONFERENCE ON A PATIENT WITH CANCER
00872	MULTIDISCIPLINARY CASE CONFERENCE ON A PATIENT WITH CANCER
13760	IN VITRO PROCESSING (and cryopreservation) of bone marrow or peripheral blood for autologous stem cell transplantation as an adjunct to high dose chemotherapy
13915	CYTOTOXIC CHEMOTHERAPY
13918	CYTOTOXIC CHEMOTHERAPY
13921	CYTOTOXIC CHEMOTHERAPY
13924	CYTOTOXIC CHEMOTHERAPY
13927	CYTOTOXIC CHEMOTHERAPY
13930	CYTOTOXIC CHEMOTHERAPY
13939	IMPLANTED PUMP OR RESERVOIR, loading of, with a cytotoxic agent
13942	AMBULATORY DRUG DELIVERY DEVICE, loading of, with a cytotoxic agent
13945	LONG-TERM IMPLANTED DRUG DELIVERY DEVICE FOR CYTOTOXIC CHEMOTHERAPY
13948	CYTOTOXIC AGENT, instillation of, into a body cavity
15100	Radiation Oncology
15103	Radiation Oncology
15275	Radiation Oncology Treatment
15556	DOSIMETRY FOR THREE DIMENSIONAL CONFORMAL RADIOTHERAPY
15559	DOSIMETRY FOR THREE DIMENSIONAL CONFORMAL RADIOTHERAPY
15562	DOSIMETRY FOR THREE DIMENSIONAL CONFORMAL RADIOTHERAPY
15565	Preparation of an IMRT DOSIMETRY PLAN based on a review and assessment by a radiation oncologist
15700	Radiation Oncology Treatment Verification
15705	Radiation Oncology Treatment Verification
15710	Radiation Oncology Treatment Verification
15715	Radiation Oncology Treatment Verification
20847	INITIATION OF MANAGEMENT OF ANAESTHESIA for ovarian malignancy
30299	SENTINEL LYMPH NODE BIOPSY OR BIOPSIES for breast cancer
30300	SENTINEL LYMPH NODE BIOPSY OR BIOPSIES for breast cancer
30347	BREAST, MALIGNANT TUMOUR
30523	GASTRECTOMY, SUB-TOTAL RADICAL, for carcinoma
30524	GASTRECTOMY, TOTAL RADICAL, for carcinoma
30696	ENDOSCOPIC ULTRASOUND GUIDED FINE NEEDLE ASPIRATION BIOPSY(S) (endoscopy with ultrasound imaging) to obtain one or more specimens from either: (a) mediastinal mass(es) or (b) locoregional nodes to stage non-small cell lung carcinoma
31300	MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE



31305 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31310 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31315 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31320 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31325 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31330 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31335 MALIGNANT MELANOMA, APPENDAGEAL CARCINOMA, MALIGNANT FIBROUS TUMOUR OF SKIN, MERKEL CELL CARCINOMA OF SKIN or HUTCHINSON'S MELANOTIC FRECKLE

31355 MALIGNANT TUMOUR of SOFT TISSUE

31371 Malignant melanoma, appendageal carcinoma

31372 Malignant melanoma, appendageal carcinoma

31373 Malignant melanoma, appendageal carcinoma

31374 Malignant melanoma, appendageal carcinoma

31375 Malignant melanoma, appendageal carcinoma

31376 Malignant melanoma, appendageal carcinoma

31403 MALIGNANT UPPER AERODIGESTIVE TRACT TUMOUR

31406 MALIGNANT UPPER AERODIGESTIVE TRACT TUMOUR

31509 BREAST, MALIGNANT TUMOUR

31512 BREAST, MALIGNANT TUMOUR

31515 BREAST, TUMOUR SITE, re-excision of following open biopsy or incomplete excision of malignant tumour

32105 ANORECTAL CARCINOMA - per anal full thickness excision of

35536 VULVA, wide local excision of suspected malignancy

35539 COLPOSCOPICALLY DIRECTED CO2 LASER THERAPY for previously confirmed intraepithelial neoplasm

35542 COLPOSCOPICALLY DIRECTED CO2 LASER THERAPY for previously confirmed intraepithelial neoplasm

35548 VULVECTOMY, radical, for malignancy

35561 VAGINECTOMY, radical, for proven invasive malignancy

35564 VAGINECTOMY, radical, for proven invasive malignancy

35644 CERVIX, electrocoagulation diathermy with colposcopy, for previously confirmed intraepithelial neoplasm

35646 CERVIX, colposcopy with radical diathermy of, with or without cervical biopsy, for previously confirmed intraepithelial neoplasm

35647 CERVIX, large loop excision of transformation zone together with colposcopy for previously confirmed intraepithelial neoplasm

35661 HYSTERECTOMY, ABDOMINAL for proven malignancy

35664 RADICAL HYSTERECTOMY for proven malignancy

35667 RADICAL HYSTERECTOMY for proven malignancy

35720 RADICAL OR DEBULKING OPERATION for advanced gynaecological malignancy

35723 RETRO-PERITONEAL LYMPHNODE BIOPSIES from above the level of the aortic bifurcation, for staging or restaging of gynaecological malignancy

35726 INFRA-COUC OMENTECTOMY with multiple peritoneal biopsies for staging or restaging of gynaecological malignancy

35729 OVARIAN TRANSPOSITION out of the pelvis, in conjunction with radical hysterectomy for invasive malignancy

36526 NEPHRECTOMY, radical with en bloc dissection of lymph nodes, with or without adrenalectomy, for a tumour

36528 Nephrectomy, radical with en bloc dissection of lymph nodes, with or without adrenalectomy, for a tumour

36529 Nephrectomy, radical with en bloc dissection of lymph nodes, with or without adrenalectomy, for a tumour

39709 CRANIOTOMY for removal of glioma, metastatic carcinoma or any other tumour in cerebrum, cerebellum or brain stem

39712 CRANIOTOMY FOR REMOVAL OF MENINGIOMA

42802 EPISCLERAL RADIOACTIVE PLAQUE (Ruthenium 106 or Iodine 125), for the treatment of choroidal melanomas

45520 Reduction mammoplasty (unilateral) with surgical repositioning of nipple, in the context of breast cancer or developmental abnormality of the breast

45553 Breast prosthesis, removal of and replacement with another prosthesis if the original implant was inserted in the context of breast cancer

- 45554 Breast prosthesis, removal of and replacement with another prosthesis if the original implant was inserted in the context of breast cancer
- 45556 Breast ptosis, correction of (unilateral), in the context of breast cancer
- 50200 AGGRESSIVE OR POTENTIALLY MALIGNANT BONE OR DEEP SOFT TISSUE TUMOUR
- 50201 AGGRESSIVE OR POTENTIALLY MALIGNANT BONE OR DEEP SOFT TISSUE TUMOUR
- 50203 BONE OR MALIGNANT DEEP SOFT TISSUE TUMOUR
- 61529 Whole body FDG PET study, performed for the primary staging of proven nonsmall cell lung cancer
- 61541 Whole body FDG PET study after definitive therapy for colorectal cancer
- 61553 Whole body FDG PET study, performed for the evaluation of apparently limited metastatic disease from malignant melanoma
- 61598 Whole body FDG PET study performed for the staging of biopsy-proven newly diagnosed or recurrent head and neck cancer
- 61604 Whole body FDG PET study performed for the evaluation of patients with suspected residual head and neck cancer
- 61616 Whole body FDG PET study for the initial staging of indolent non-Hodgkin's lymphoma
- 61620 Whole body FDG PET study for the initial staging of newly diagnosed or previously untreated Hodgkin's or non-Hodgkin's lymphoma
- 61622 Whole body FDG PET study to assess response to first line therapy either during treatment or within three months of completing definitive first line treatment for Hodgkin's or non-Hodgkin's lymphoma
- 61628 Whole body FDG PET study for restaging following confirmation of recurrence of Hodgkin's or non-Hodgkin's lymphoma
- 63473 Magnetic Resonance Imaging (diagnosed with cervical cancer)
- 63476 MAGNETIC RESONANCE IMAGING performed under the professional supervision of an eligible provider at an eligible location where the patient is referred by a specialist or by a consultant physician and where: (b) the request for scan identifies that the indication is for the initial staging of rectal cancer
- 66662 Quantitation of hormone receptors on proven primary breast or ovarian carcinoma or a metastasis from a breast or ovarian carcinoma
- 71077 Quantitation of immunoglobulin E (total) in the follow up of a patient with proven immunoglobulin-E-secreting myeloma
- 73059 Immunocytochemical examination of material for the characterisation of a malignancy
- 73060 Immunocytochemical examination of material for the characterisation of a malignancy
- 73064 Immunocytochemical examination of material for the characterisation of a malignancy
- 73290 The study of the whole of each chromosome by cytogenetic or other techniques, performed on blood or bone marrow, in the diagnosis and monitoring of haematological malignancy
- 73314 Characterisation of gene rearrangement acute myeloid leukaemia
- 73332 An in situ hybridization (ISH) test of tumour tissue from a patient with breast cancer
- 73337 A test of tumour tissue from a patient diagnosed with non-small cell lung cancer

## Cholesterol: hypercholesterolaemia

### ALL COHORT HYPERCHOLESTEROLAEMIA DATASET FROM ALSWH, PBS, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected specifically for hypercholesterolaemia.

In Hypercholesterolaemia dataset			
cohort	No	Yes	Total
1921-26 (OLD)	6333	5746 (47.57%)	12079
1946-51 (MID)	5969	6982 (53.91%)	12951
1973-78 (YNG)	12685	816 (6.04%)	13501
1989-95 (NYC)	16873	120 (0.71%)	16993
<b>Total</b>	<b>41860</b>	<b>13664 (24.61%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 5

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES:

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	P	PBS
9	H	Hospital admissions
10	H	Hospital emergency
11	C	Aged Care: ACAP
12	C	Aged Care: ACFI
13	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported once or more <b>AND</b> Once or more in PBS, Hospital, or Aged Care.
PBS	Reported twice or more 'scripts within 12m.
Hospital	Reported once or more.
Aged Care	Reported once or more <b>AND</b> Once or more in ALSWH, PBS or Hospital.
COD	Reported once.

## Hypercholesterolaemia selection functions used

Category 1: High cholesterol / hypercholesterolaemia

Category 9: Other PBS authorised medication for hypercholesterolaemia

Function	Description	Output
<b>fchlac</b>	PARM STRING AGED CARE HEALTH CONDITION TO TEST FOR HIGH CHOLESTEROL	01
<b>fchlcomm</b>	PARM STRING COMMENT TO TEST FOR HIGH CHOLESTEROL	01
<b>fchldx</b>	PARM STRING ICD CODE TO TEST FOR HYPERCHOLESTEROLAEMIA	01
<b>fchlmed2</b>	PARM STRING ATC CODE TO TEST FOR HYPERCHOLESTEROLAEMIA	019

## Survey questions

YNG08:	y8q27b	high cholesterol, ever dx
YNG09:	y9q24e	high cholesterol, 3y dx
MID04:	m4q29Ah	med for high cholesterol presc, 4w taken

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
"cholest" "colest", or "high chol"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	272.0	Pure hypercholesterolemia
10	E78.0	Pure hypercholesterolemia

### *PBS Item Codes and ATC Codes for PBS and survey medications*

2377D†	A10BH01	Sitagliptin and simvastatin
2383K†	A10BH01	Sitagliptin and simvastatin
2391W†	A10BH01	Sitagliptin and simvastatin
	C10*	Lipid Modifying Agents

†Hypercholesterolaemia from PBS ITEM CODE

### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

408	High cholesterol
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## Chronic Obstructive Pulmonary Disease

### ALL COHORT COPD DATASET FROM ALSWH, PBS, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected specifically for COPD and includes “chronic bronchitis”. MBS was not used as a source since the item codes are not specific to COPD.

In COPD dataset			
cohort	No	Yes	Total
1921-26 (OLD)	9997	2082 (17.24%)	12079
1946-51 (MID)	12028	923 (7.13%)	12951
1973-78 (YNG)	13431	70 (0.52%)	13501
1989-95 (NYC)	16976	17 (0.1%)	16993
<b>Total</b>	<b>52432</b>	<b>3092 (5.57%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 5

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES:

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	P	PBS
9	H	Hospital admissions
10	H	Hospital emergency
11	C	Aged Care: ACAP
12	C	Aged Care: ACFI
13	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more <b>AND</b> Breathing difficulties 'often' twice or more <b>BUT NOT</b> for asthma <b>AND</b> Once or more in PBS, Hospital or Aged Care.
PBS	Reported twice or more 'scripts within 12m <b>OR</b> Once <b>AND</b> Once or more in Hospital or Aged Care.
Hospital	Reported once or more.
Aged Care	Reported once or more <b>AND</b> Once or more in ALSWH, PBS, or Hospital.
COD	Reported once.

## COPD selection functions used

Category 1: COPD according to multi-morbidity report but including chronic bronchitis

Category 9: Other PBS authorised medication for COPD

Function	Description	Output
<b>fncpdac</b>	PARM STRING AGED CARE HEALTH CONDITION TO TEST FOR COPD	01
<b>fncpdcomm</b>	PARM STRING COMMENT TO TEST FOR COPD	01
<b>fncpddx</b>	PARM STRING ICD CODE TO TEST FOR COPD	01
<b>fncpdmed3</b>	PARM STRING PBS ITEM CODE OR ATC CODE TO TEST FOR COPD	019

## Survey questions

MID02:	m2q20i m2q29ab m2q20h	bronchitis/emphysema, ever dx breathing difficulty, 12m exp asthma, 3y dx
MID03:	m3q35k m3q37ab m3q35j	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID04:	m4q32j m4q38ab m4q32i	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID05:	m5q38k m5q44ab m5q38j	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID06:	m6q38l m6q46ab m6q38k	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID07:	m7q32t m7q42b m7q32s	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID08:	m8q30t m8q41b m8q30s	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID09:	m9q33aa m9q47b m9q33z	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
MID10:	m10q37ii m10q45b m10q37hh	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
OLD02:	o2q1i o2q16ab o2q1h	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
OLD03:	o3q1i o3q18af o3q1h	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
OLD04:	o4q1k o4q25f o4q1j	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
OLD05:	o5q1j o5q23d o5q1i	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
OLD06:	o6q1l o6q3d o6q1k	bronchitis/emphysema, 3y dx breathing difficulty, 12m exp asthma, 3y dx
OLD07:	o7q13c	breathing difficulty, 12m exp

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
"copd", "coad", "emphys", "chronic obstruct", "bronchitis"



## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	491	Chronic bronchitis
9	492	Emphysema
9	496	Chronic airway obstruction, not elsewhere classified
10	J41	Simple and mucopurulent chronic bronchitis
10	J43	Emphysema
10	J44	Other chronic obstructive pulmonary disease

### *PBS Item Codes and ATC Codes for PBS and survey medications*

05134F <sup>†</sup>	R03AC18	Indacaterol
05137J <sup>†</sup>	R03AC18	Indacaterol
10156M <sup>†</sup>	R03AL04	Indacaterol and glycopyrronium bromide
10188F <sup>†</sup>	R03AL03	Vilanterol and umeclidinium bromide
10557P <sup>†</sup>	R03AL06	Olodaterol and tiotropium bromide
10565C <sup>†</sup>	R03AL05	Formoterol and aclidinium bromide
11379X <sup>†</sup>	R03AL08	Vilanterol, umeclidinium bromide, and fluticasone furoate
12468F <sup>†</sup>	R03AL09	Formoterol, glycopyrronium bromide and beclometasone
12672Y <sup>†</sup>	R03AL11	Formoterol, glycopyrronium bromide and budesonide
	R03AL03 <sup>‡</sup>	Vilanterol and umeclidinium bromide
	R03AL04 <sup>‡</sup>	Indacaterol and glycopyrronium bromide
	R03AL05 <sup>‡</sup>	Formoterol and aclidinium bromide
	R03AL06 <sup>‡</sup>	Olodaterol and tiotropium bromide
	R03AL08 <sup>‡</sup>	Vilanterol, umeclidinium bromide, and fluticasone furoate

<sup>†</sup>COPD from PBS ITEM CODE; <sup>‡</sup>COPD from PBS AUTHORISATION

### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

1005	Chronic lower respiratory diseases (includes emphysema, chronic obstructive airways disease (COAD), asthma)
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## Dementia

### ALL COHORT DEMENTIA DATASET FROM ALSWH, PBS, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected only on valid dementia diagnoses as originally used in other dementia researchers' selection. This category is largely "Alzheimer's Dementia", "Vascular Dementia", and "Unspecified Dementia".

In Dementia dataset			
cohort	No	Yes	Total
1921-26 (OLD)	7445	4634 (38.36%)	12079
1946-51 (MID)	12640	311 (2.4%)	12951
1973-78 (YNG)		<5	13501
1989-95 (NYC)		<5	16993
<b>Total</b>	<b>20085</b>	<b>4947 (8.91%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 5

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES:

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	P	PBS
9	H	Hospital admissions
10	H	Hospital emergency
11	C	Aged Care: ACAP
12	C	Aged Care: ACFI
13	C	Aged Care: events
14	C	Aged Care: home care packages
15	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported once BUT NOT medication only.
PBS	Reported twice or more 'scripts within 12m.
Hospital	Reported once or more.
Aged Care	Reported once or more.
COD	Reported once.

## Dementia selection functions used

Category 1: Valid and originally used in Michael Waller selection revised with HIMS.

Category 9: Other PBS authorised medication for dementia

Function	Description	Output
<b>fndemac2</b>	PARM STRING AGED CARE HEALTH CONDITION CODE TO TEST FOR DEMENTIA	01
<b>fndemcomm2</b>	PARM STRING COMMENT TO TEST FOR DEMENTIA	01
<b>fndemdx2</b>	PARM STRING ICD CODE TO TEST FOR DEMENTIA	01
<b>fndemmed3</b>	PARM STRING ATC CODE TO TEST FOR DEMENTIA	019

## Survey questions

MID07:	m7q32p	alzheimer's/dementia, 3y dx
MID08:	m8q30p	alzheimer's/dementia, 3y dx
MID09:	m9q33v	alzheimer's/dementia, 3y dx
MID10:	m10q37v	alzheimer's/dementia, 3y dx
OLD02:	o2q1q	alzheimer's/dementia, 3y dx
OLD03:	o3q1p	alzheimer's/dementia, 3y dx
OLD04:	o4q1r	alzheimer's/dementia, 3y dx
OLD05:	o5q1s	alzheimer's/dementia, 3y dx
OLD06:	o6q1u	alzheimer's/dementia, 3y dx

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
"dementia", "alz", "diment"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	290	Dementias
9	294.2	Dementia, unspecified
9	331.0	Alzheimer's disease
10	F00	Dementia in Alzheimer disease
10	F01	Vascular dementia
10	F03	Unspecified dementia
10	G30	Alzheimer's disease

### *ATC Codes for PBS and survey medications*

11869Q†	N05AX08	Risperidone
11872W†	N05AX08	Risperidone
11873X†	N05AX08	Risperidone
11874Y†	N05AX08	Risperidone
11877D†	N05AX08	Risperidone
11879F†	N05AX08	Risperidone
11881H†	N05AX08	Risperidone
11882J †	N05AX08	Risperidone
	N06DA01	Tacrine
	N06DA02	Donepezil
	N06DA03	Rivastigmine
	N06DA04	Galantamine
	N06DA52	Donepezil and memantine
	N06DA53	Donepezil, memantine and Ginkgo folium
	N06DX01	Memantine

†Dementia from PBS ITEM CODE;

### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

50*	Dementia in Alzheimer's disease
51*	Vascular dementia
532	Unspecified dementia

## Diabetes

### ALL COHORT DIABETES DATASET FROM ALSWH, MBS, PBS, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected using criteria based on the multi-morbidity report and was selected only on definitive diabetes. It does not include gestational diabetes.

In Diabetes dataset			
cohort	No	Yes	Total
1921-26 (OLD)	9272	2807 (23.24%)	12079
1946-51 (MID)	10476	2475 (19.11%)	12951
1973-78 (YNG)	12809	692 (5.13%)	13501
1989-95 (NYC)	16559	434 (2.55%)	16993
<b>Total</b>	<b>49116</b>	<b>6408 (11.54%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 6

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	M	MBS
9	P	PBS
10	H	Hospital admissions
11	H	Hospital emergency
12	C	Aged Care: ACAP
13	C	Aged Care: ACFI
14	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more BUT NOT Survey reported Metformin only in YNG, NYC cohorts <b>AND</b> Once or more in MBS, PBS, Hospital, or Aged Care.
MBS	Reported one DACC <b>OR</b> Three or more other specific diabetes procedures (Hb1Ac, eye exam for diabetes, allied health for diabetes).
PBS	Reported two or more 'scripts within 12m <b>BUT NOT</b> Metformin only without other criteria in YNG, NYC cohorts.
Hospital	Reported once or more.
Aged Care	Reported once or more.
COD	Reported once.

## Diabetes selection functions used

### Category 1: Definitive diabetes

Function	Description	Output
<b>fndiaac</b>	PARAM STRING AGED CARE HEALTH CONDITION TO TEST FOR DIABETES	01
<b>fndiacomm</b>	PARAM STRING COMMENT TO TEST FOR DIABETES	01
<b>fndiadx</b>	PARAM STRING ICD CODE TO TEST FOR DIABETES	01
<b>fndiams</b>	PARAM STRING MBS CODE TO CATEGORY OF DIABETES	0123
<b>fndiamed</b>	PARAM STRING ATC CODE TO TEST FOR DIABETES	01

## Survey questions

YNG01:	y1q15a	diabetes ever dx	
YNG02:	y2q12ab	diabetes, type I, <=4y dx	
	y2q12bb	diabetes, type I, >4y dx	
	y2q12ac	diabetes, type II, <=4y dx	
	y2q12bc	diabetes, type II, >4y dx	
YNG03:	y3q12b	diabetes, type I, 3y dx	
	y3q12c	diabetes, type II, 3y dx	
YNG04:	y4q12b	diabetes, type I, 3y dx	
	y4q12c	diabetes, type II, 3y dx	
YNG05:	y5q12a	diabetes, type I, 3y dx	
	y5q12b	diabetes, type II, 3y dx	
YNG06:	y6q12a	diabetes, type I, 3y dx	
	y6q12b	diabetes, type II, 3y dx	
YNG07:	y7q24a	diabetes, type I, 3y dx	
	y7q24b	diabetes, type II, 3y dx	
YNG08:	y8q24a	diabetes, type I, 3y dx	
	y8q24b	diabetes, type II, 3y dx	
YNG09:	y9q24a	diabetes, type I, 3y dx	
	y9q24b	diabetes, type II, 3y dx	
MID01:	m1q15a	diabetes, ever dx	
MID02:	m2q20aa	diabetes, type I, <=2y dx	
	m2q20ba	diabetes, type I, >2y dx	
	m2q20ab	diabetes, type II, <=2y dx	
	m2q20bb	diabetes, type II, >2y dx	
MID03:	m3q35b	diabetes, type I, 3y dx	
	m3q35c	diabetes, type II, 3y dx	
MID04:	m4q32b	diabetes, 3y dx	
MID05:	m5q38a	diabetes, 3y dx	
MID06:	m6q38a	diabetes, 3y dx	
MID07:	m7q32a	diabetes, 3y dx	
MID08:	m8q30a	diabetes, 3y dx	
MID09:	m9q33a	diabetes, type I, 3y dx	
	m9q33b	diabetes, type II, 3y dx	
MID10:	m10q37a	diabetes, type I, 3y dx	
	m10q37b	diabetes, type II, 3y dx	
OLD01	o1q16a	diabetes, ever dx	
OLD02	o2q1b	diabetes, 3y dx	
OLD03	o3q1g	diabetes, 3y dx	
OLD04	o4q1i	diabetes, 3y dx	
OLD05	o5q1h	diabetes, 3y dx	
OLD06	o6q1j	diabetes, 3y dx	
NYC01:	z1q9a	MEDH419	diabetes, type I, ever dx
	z1q9b	MEDH375	diabetes, type II, ever dx
NYC02:	z2q10a	MEDH419	diabetes, type I, ever dx
	z2q10b	MEDH375	diabetes, type II, ever dx
NYC05:	z5q39f	MEDH495	diabetes, type I, ever dx
	z5q40f	MEDH514	diabetes, type I, 12m dx rx
	z5q46	MEDH538	diabetes, type I, year 1st dx rx
	z5q39g	MEDH496	diabetes, type II, ever dx
	z5q40g	MEDH515	diabetes, type II, 12m dx rx
	z5q47	MEDH539	diabetes, type II, year 1st dx rx
NYC06:	z6q5f	MEDH495	diabetes, type I, ever dx
	z6q6f	MEDH612	diabetes, type I, 2y dx rx
	z6q7?	MEDH538	diabetes, type I, year 1st dx rx
	z6q5g	MEDH496	diabetes, type II, ever dx
	z6q6g	MEDH613	diabetes, type II, 2y dx rx
	z6q7?	MEDH539	diabetes, type II, year 1st dx rx

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
 "diab", "daib", "insulin"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	249	Secondary diabetes mellitus
9	250	Diabetes mellitus
10	E10	Type 1 diabetes mellitus
10	E11	Type 2 diabetes mellitus
10	E13	Other specified diabetes mellitus
10	E14	Unspecified diabetes mellitus

### *MBS item codes*

00259†	Professional attendance at consulting rooms patient with established diabetes mellitus
00260†	Professional attendance at other than consulting rooms patient with established diabetes mellitus
00261†	Professional attendance at consulting rooms patient with established diabetes mellitus
00262†	Professional attendance at other than consulting rooms patient with established diabetes mellitus
00263†	Professional attendance at consulting rooms patient with established diabetes mellitus
00264†	Professional attendance at other than consulting rooms patient with established diabetes mellitus
02509†	Out-of-surgery consultation - Completion Of An Annual Cycle Of Care For Patients With Diabetes Mellitus
02517†	Level 'b' Professional attendance - requirements for a full year of care of a patient with established diabetes mellitus
02518†	Level 'c' Professional attendance - requirements for a full year of care of a patient with established diabetes mellitus
02521†	Surgery consultations - completes the requirements for a full year of care of a patient with established diabetes mellitus
02522†	Level 'd' Professional attendance - requirements for a full year of care of a patient with established diabetes mellitus
02525†	Surgery consultations - completes the requirements for a full year of care of a patient with established diabetes mellitus
02526†	OUT-OF-SURGERY CONSULTATION completes the minimum requirements of a cycle of care for a patient with established diabetes mellitus
02620†	Surgery consultations - completes the requirements for a full year of care of a patient with established diabetes mellitus
02622†	Long consultation of more than 25 minutes - completes the requirements for a full year of care of a patient with established diabetes mellitus
02624†	Prolonged consultation of more than 45 minutes - completes the requirements for a full year of care of a patient with established diabetes mellitus
02631†	Out-of-surgery consultations - completes the requirements for a full year of care of a patient with established diabetes mellitus
02633†	Long consultation of more than 25 minutes - completes the requirements for a full year of care of a patient with established diabetes mellitus
02635†	Prolonged consultation of more than 45 minutes - completes the requirements for a full year of care of a patient with established diabetes mellitus
10915‡	Professional attendance of more than 15 minutes duration, being the first in a course of attention involving the examination of the eyes, with the instillation of a mydriatic, of a patient with diabetes mellitus
10951	Diabetes education health service provided to a person by an eligible diabetes educator
12325‡	Assessment of visual acuity and bilateral retinal photography with a non mydriatic retinal camera, including analysis and reporting of the images for initial or repeat assessment for presence or absence of diabetic retinopathy
12326‡	Assessment of visual acuity and bilateral retinal photography with a non mydriatic retinal camera, including analysis and reporting of the images for initial or repeat assessment for presence or absence of diabetic retinopathy
66319	Quantitation of glycosylated haemoglobin performed in the management of established diabetes
66322	Quantitation of glycosylated haemoglobin performed in the management of pre-existing diabetes where the patient is pregnant
66361	Beta-2-microglobulin, caeruloplasmin, haptoglobins, microalbumin in proven diabetes mellitus
66551‡	Quantitation of glycosylated haemoglobin performed in the management of established diabetes
66554	Quantitation of glycosylated haemoglobin performed in the management of pre-existing diabetes
66557	Quantitation of fructosamine performed in the management of established diabetes



- 66560 Microalbumin in proven diabetes mellitus - quantitation in urine
  - 73840‡ Quantitation of glycosylated haemoglobin performed in the management of established diabetes
  - 73844 Quantitation of urinary microalbumin in the management of established diabetes
  - 81100‡ Diabetes education health service provided to a person by an eligible diabetes educator
  - 81105‡ Diabetes education health service provided to a person by an eligible diabetes educator
  - 81110‡ Exercise physiology health service provided to a person by an eligible exercise physiologist for the purposes of ASSESSING a person's suitability for group services for the management of type 2 diabetes
  - 81115‡ Exercise physiology health service provided to a person by an eligible exercise physiologist, as a GROUP SERVICE for the management of type 2 diabetes
  - 81120‡ Dietetics health service provided to a person by an eligible dietitian for the purposes of ASSESSING a person's suitability for group services for the management of type 2 diabetes
  - 81125‡ Dietetics health service provided to a person by an eligible dietitian, as a GROUP SERVICE for the management of type 2 diabetes
  - 81305 DIABETES EDUCATION HEALTH SERVICE provided to a person who is of Aboriginal or Torres Strait Islander
- †Diabetes Annual Cycle of Care item (DACC); ‡Other specific diabetes procedures

#### *ATC Codes for PBS and survey medications*

A10\* Anti-diabetic Therapies

#### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

- 402 Diabetes mellitus—Type 1 (IDDM)
- 403 Diabetes mellitus—Type 2 (NIDDM)
- 404 Diabetes mellitus—other specified/unspecified/unable to be specified

## Eating disorders

### ALL COHORT SPECIFIC MENTAL HEALTH DATASET RESTRICTED TO EATING DISORDERS FROM ALSWH, MBS, HOSPITAL, AND DEATHS.

This dataset was selected using criteria from on the multi-morbidity report for eating disorders in mental health conditions, extended with survey indications for eating disorders. As there are few diagnosed eating disorders the surveys, other survey data were used to generate indications of eating disorders. This dataset was selected on diagnosed with or treated for an eating disorder, and survey data indicative for eating disorders.

In Eating Disorders dataset			
cohort	No	Yes	Total
<b>1921-26 (OLD)</b>	12069	10 (0.08%)	<b>12079</b>
<b>1946-51 (MID)</b>	12943	8 (0.06%)	<b>12951</b>
<b>1973-78 (YNG)</b>	13388	113 (0.84%)	<b>13501</b>
<b>1989-95 (NYC)</b>	15945	1048 (6.17%)	<b>16993</b>
<b>Total</b>	<b>54345</b>	<b>1179 (2.12%)</b>	<b>55524</b>

**Maximum number of sources reporting this condition: 4**

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: comments
5	A	ALSWH: proxy statement
6	A	ALSWH: withdrawal
7	M	MBS
8	H	Hospital admissions
9	H	Hospital emergency

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more Dx <b>OR</b> Twice or more indicative <b>OR</b> Once Dx AND indicative AND once or more in MBS or Hospital.
MBS	Reported once or more.
Hospital	Reported once or more.
COD	Reported once.

## Mental health selection functions used

Category 1: Affective disorders (not selected)

Category 2: Eating disorders

Function	Description	Output
<b>fmntcomm2</b>	PARAM STRING COMMENT TO TEST FOR MENTAL ILLNESS CONDITIONS	012
<b>fmntdx2</b>	PARAM STRING ICD CODE TO TEST FOR MENTAL ILLNESS CONDITIONS	012
<b>fmntmbs2</b>	PARAM STRING MBS CODE TO TEST FOR MENTAL ILLNESS CONDITIONS	02

## Survey questions

YNG01:	y1q40‡		describe weight
	y1q42‡		like to weigh
YNG02:	y2q42‡		like to weigh
	y2q46‡		overeating, ever
	y2q48‡		overeating, 1m freq
	y2q49‡		overeating, 1m length
	y2q50ab‡		control weight, vomiting, 12m
	y2q50bb‡		control weight, vomiting, freq
YNG03:	y3q42‡		like to weigh
YNG04:	y4q49‡		like to weigh
YNG05:	y5Q56‡		like to weigh
YNG06:	y6q54‡		like to weigh
YNG07:	y7q36‡		like to weigh
YNG08:	y8q44‡		like to weigh
MID01:	m1q61b‡		control weight, vomiting, ever
	m1q62‡		control weight, vomiting, freq
MID02:	m2q44‡		like to weight
OLD01:	o1q42‡		like to weigh
NYC02:	z2q9d†	MEDH414	anorexia, ever dx
	z2q9e†	MEDH415	bulimia, ever dx
	z2q9f†	MEDH454	other eating disorder, ever dx
	z2q38‡	EATS060	nr meals per day
NYC03:	z3q9d†	MEDH414	anorexia, ever dx
	z3q9e†	MEDH415	bulimia, ever dx
	z3q9f†	MEDH454	other eating disorder, ever dx
NYC05:	z5q28d†	MEDH414	anorexia, ever dx
	z5q28e†	MEDH415	bulimia, ever dx
	z5q28f†	MEDH454	other eating disorder, ever dx
	z5q29d†	MEDH503	anorexia, 12m dx rx
	z5q29e†	MEDH504	bulimia, 12m dx rx
	z5q29f†	MEDH505	other eating disorder, 12m dx rx
NYC06:	z6q2d†	MEDH414	anorexia, ever dx
	z6q2e†	MEDH415	bulimia, ever dx
	z6q2f†	MEDH454	other eating disorder, ever dx
	z6q3d†	MEDH600	anorexia, 2y dx rx
	z6q3e†	MEDH601	bulimia, 2y dx rx
	z6q3f†	MEDH602	other eating disorder, 2y dx rx
	z6q318‡	WTSH043	like to weigh

† Diagnosed eating disorder, ‡ Data used to generate indicative of eating disorder

## Cut-offs of indicative variables for eating disorders

1. Number of meals per day = 0
2. Overeating = Yes **AND**
  - a. Loss of control = Yes
  - b. Frequency = Every day
  - c. Length of time = More than 6 months
3. Control weight, vomiting = Yes **AND**
  - a. Frequency  $\geq$  2-3 times a week
  - b. How often  $\geq$  More than half time
4. Describe weight  $\geq$  Overweight **AND**
  - a. BMI category = Underweight
5. Like to weigh  $\geq$  1-5kg less **AND**
  - a. BMI category = Underweight

*Text searched within survey text variables, comments, proxy statements, withdrawal*

"anorexia", "binge eating", "bulimia", "disordered eating", "eating disorder", "ednos", "orthorexia", "osfed"

## Codes used for selection

### *Hospital and COD ICD version and codes*

9	307.1	Anorexia nervosa
9	307.5	Other and unspecified disorders of eating
10	F50	Eating disorders

### *MBS item codes*

90250	GP PREPARATION Eating disorders treatment plan 20-40 minutes
90251	GP PREPARATION Eating disorders treatment plan >40 minutes
90252	GP PREPARATION Eating disorders treatment plan 20-40 minutes
90253	GP PREPARATION Eating disorders treatment plan >40 minutes
90254	MEDICAL PRACTITIONER PREPARATION Eating disorders treatment plan 20-40 minutes
90255	MEDICAL PRACTITIONER PREPARATION Eating disorders treatment plan >40 minutes
90256	MEDICAL PRACTITIONER PREPARATION Eating disorders treatment plan 20-40 minutes
90257	MEDICAL PRACTITIONER PREPARATION Eating disorders treatment plan >40 minutes
90260	PSYCHIATRIST PREPARATION Eating disorders treatment plan >45 minutes
90261	PSYCHIATRIST PREPARATION Eating disorders treatment plan >45 minutes
90262	PSYCHIATRIST PREPARATION Eating disorders treatment plan >45 minutes
90263	PSYCHIATRIST PREPARATION Eating disorders treatment plan >45 minutes
90264	GP REVIEW Eating disorders treatment
90265	MEDICAL PRACTITIONER REVIEW Eating disorders treatment
90266	PSYCHIATRIST REVIEW Eating disorders treatment
90267	PSYCHIATRIST REVIEW Eating disorders treatment efficacy 20 minutes
90268	PSYCHIATRIST REVIEW Eating disorders treatment efficacy 30 minutes
90269	PSYCHIATRIST REVIEW Eating disorders treatment efficacy 20 minutes
90271	GP PSYCHOLOGICAL TREATMENT Eating disorders 30-40 minutes
90272	GP PSYCHOLOGICAL TREATMENT Eating disorders 30-40 minutes
90273	GP PSYCHOLOGICAL TREATMENT Eating disorders >40 minutes
90274	GP PSYCHOLOGICAL TREATMENT Eating disorders >40 minutes
90275	MEDICAL PRACTITIONER PSYCHOLOGICAL TREATMENT Eating disorders 30-40 minutes
90276	MEDICAL PRACTITIONER PSYCHOLOGICAL TREATMENT Eating disorders 30-40 minutes
90277	MEDICAL PRACTITIONER PSYCHOLOGICAL TREATMENT Eating disorders >40 minutes
90278	MEDICAL PRACTITIONER PSYCHOLOGICAL TREATMENT Eating disorders >40 minutes
90279	GP PSYCHOLOGICAL TREATMENT Eating disorders 30-40 minutes
90280	GP PSYCHOLOGICAL TREATMENT Eating disorders >40 minutes
90281	MEDICAL PRACTITIONER PSYCHOLOGICAL TREATMENT Eating disorders 30-40 minutes
90282	MEDICAL PRACTITIONER PSYCHOLOGICAL TREATMENT Eating disorders >40 minutes

## Fibroids

### ALL COHORT UTERINE FIBROIDS DATASET FROM ALSWH, MBS, PBS, HOSPITAL, AND DEATHS.

Considering there are very few specific fibroids question in surveys and that most other data source codes are not specific, this dataset was created by restricting selection explicitly to uterine fibroids.

In Fibroids dataset			
cohort	No	Yes	Total
1921-26 (OLD)	11974	105 (0.87%)	12079
1946-51 (MID)	12122	829 (6.4%)	12951
1973-78 (YNG)	12811	690 (5.11%)	13501
1989-95 (NYC)	16967	26 (0.15%)	16993
<b>Total</b>	<b>53874</b>	<b>1650 (2.97%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 5

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	M	MBS
9	P	PBS
10	H	Hospital admissions
11	H	Hospital emergency

Data source	Eligibility criteria
ALSWH SURVEYS	Text response* once or more <b>OR</b> Survey question AND once or more in MBS, PBS, or Hospital.
MBS	Reported once or more.
PBS	None: only used in combination with ALSWH SURVEYS.
Hospital	Reported once or more
COD	Reported once.

\*"Text response" is any of: text fields, comments, proxy statements, or withdrawal reasons.

## Fibroids selection functions used

### Category 1: Fibroids

Function	Description	Output
<b>fnfibcomm</b>	PARAM STRING COMMENT TO TEST FOR FIBROIDS	01
<b>fnfibdx</b>	PARAM STRING ICD CODE TO TEST FOR FIBROIDS	01
<b>fnfibmbs</b>	PARAM STRING ATC CODE TO TEST FOR FIBROIDS	01
<b>fnfibmed</b>	PARAM STRING ATC CODE TO CATEGORY OF FIBROIDS	01

## Survey questions

YNG7:	y7q24o	Last 3 years, diagnosed or treated for: Uterine polyps / Uterine fibroids
YNG8:	y8q24t	Last 3 years, diagnosed or treated for: Uterine polyps / Uterine fibroids
YNG9:	y9q24aa	Last 3 years, diagnosed or treated for: Uterine polyps / Uterine fibroids

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
"adenomyo", "fibroid", "hysterect", "leiomyo", "menorrhagia", "myoma", "polycythem", "uterine"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	218	Uterine leiomyoma
10	D25	Leiomyoma of uterus
10	O34.1	Maternal care for tumour of corpus uteri, uterine fibroid
11	2E86.0	Leiomyoma of uterus

### *MBS item codes*

35410 UTERINE ARTERY CATHETERISATION

### *ATC Codes for PBS and survey medications*

B02AA02	Tranexamic acid
G02BA03	Plastic (IUD) with progestogen (Mirena)



## Hypertension

**ALL COHORT HYPERTENSION DATASET  
RESTRICTED TO ESSENTIAL HYPERTENSION  
FROM ALSWH, PBS, HOSPITAL, AGED CARE, AND DEATHS.**

Although hypertension has not been considered chronic condition previously, this dataset was selected only on Essential hypertension and excludes gestational hypertension.

In Hypertension dataset			
cohort	No	Yes	Total
<b>1921-26 (OLD)</b>	2566	9513 (78.76%)	<b>12079</b>
<b>1946-51 (MID)</b>	5228	7723 (59.63%)	<b>12951</b>
<b>1973-78 (YNG)</b>	11916	1585 (11.74%)	<b>13501</b>
<b>1989-95 (NYC)</b>	16597	396 (2.33%)	<b>16993</b>
<b>Total</b>	<b>36307</b>	<b>19217 (34.61%)</b>	<b>55524</b>

**Maximum number of sources reporting this condition: 5**

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	P	PBS
9	H	Hospital admissions
10	H	Hospital emergency
11	C	Aged Care: ACAP
12	C	Aged Care: ACFI
13	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more <b>AND</b> Once or more in PBS, Hospital, or Aged Care.
PBS	Reported two or more 'scripts within 12m.
Hospital	Reported once or more.
Aged Care	Reported once or more.
COD	Reported once.

## Hypertension selection functions used

Category 1: Essential hypertension / hypertension

Category 9: PBS Item Code authorised for hypertension

Function	Description	Output
<b>fnhypac</b>	PARAM STRING AGED CARE HEALTH CONDITION TO TEST FOR HYPERTENSION	01
<b>fnhypcomm</b>	PARAM STRING COMMENT TO TEST FOR HYPERTENSION	01
<b>fnhypdx</b>	PARAM STRING ICD CODE TO CATEGORY OF HYPERTENSION	01
<b>fnhypmed2</b>	PARAM STRING ATC CODE TO CATEGORY OF HYPERTENSION	019

## Survey questions

YNG01:	y1q15c	hypertension, ever dx
YNG02:	y2q12af	hypertension, non-pregnancy, <=4y dx
	y2q12bf	hypertension, non-pregnancy, >4y dx
YNG03:	y3q12f	hypertension, non-pregnancy, 3y dx
YNG04:	y4q12f	hypertension, non-pregnancy, 3y dx
YNG05:	y5q12d	hypertension, 3y dx
YNG06:	y6q12d	hypertension, 3y dx
YNG07:	y7q24d	hypertension, 3y dx
YNG08:	y8q24d	hypertension, 3y dx
YNG09:	y9q24d	hypertension, 3y dx
MID01:	m1q15c	hypertension, ever dx
MID02:	m2q20ad	hypertension, <=2y dx
	m2q20bd	hypertension, >2y dx
MID03:	m3q35f	hypertension, 3y dx
MID04:	m4q32e	hypertension, 3y dx
MID05:	m5q38g	hypertension, 3y dx
MID06:	m6q38h	hypertension, 3y dx
MID07:	m7q32k	hypertension, 3y dx
MID08:	m8q30k	hypertension, 3y dx
MID09:	m9q33p	hypertension, 3y dx
MID10:	m10q37p	hypertension, 3y dx
OLD01:	o1q16c	hypertension, ever dx
OLD02:	o2q1d	hypertension, 3y dx
OLD03:	o3q1a	hypertension, 3y dx
OLD04:	o4q1a	hypertension, 3y dx
OLD05:	o5q1a	hypertension, 3y dx
OLD06:	o6q1a	hypertension, 3y dx
NYC01:	z1q9d MEDH377	hypertension, ever dx
NYC02:	z2q10d MEDH377	hypertension, ever dx

*Text searched within survey text variables, comments, proxy statements, withdrawal*  
“high blood press”, “ high bp”, “hypertens”

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	401	Essential hypertension
10	I10	Essential hypertension

### *PBS Item Codes or ATC Codes for PBS and survey medications*

02313R†	C02DC01	Minoxidil
	C02AA*	Rauwolfia alkaloids
	C02AB*	Methyldopa
	C02DB*	Hydrazinophthalazine derivatives
	C02LA*	Rauwolfia alkaloids and diuretics in combination
	C02LB*	Methyldopa and diuretics in combination
	C02LG*	Hydrazinophthalazine derivatives and diuretics
	C03A*	Low-ceiling diuretics, thiazides
	C08C*	Selective calcium channel blockers with mainly vascular effects
	C08G*	Calcium channel blockers and diuretics
	C09*	Agents acting on the renin–angiotensin system

† PBS item code for hypertension

### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

921	Hypertension (high blood pressure)
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## Ischaemic Heart Disease

### ALL COHORT ISCHAEMIC HEART DISEASE DATASET FROM ALSWH, MBS, PBS, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected using criteria based on the multi-morbidity report for heart disease but specifically selected for Ischaemic heart disease (i.e. does not contain “heart failure”), however it does include “heart surgery” from survey questions as these are primarily for ischaemia (“heart bypass, angioplasty, angiography”).

In Ischaemic Heart Disease dataset			
cohort	No	Yes	Total
1921-26 (OLD)	5200	6879 (56.95%)	12079
1946-51 (MID)	10476	2475 (19.11%)	12951
1973-78 (YNG)	13284	217 (1.61%)	13501
1989-95 (NYC)	16947	46 (0.27%)	16993
<b>Total</b>	<b>45907</b>	<b>9617 (17.32%)</b>	<b>55524</b>

**Maximum number of sources reporting this condition: 6**

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	M	MBS
9	P	PBS
10	H	Hospital admissions
11	H	Hospital emergency
12	C	Aged Care: ACAP
13	C	Aged Care: ACFI
14	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more <b>AND</b> Once or more in MBS, PBS, Hospital, or Aged Care.
MBS	Reported once or more.
PBS	Reported two or more 'scripts within 12m.
Hospital	Reported once or more.
Aged Care	Reported once or more.
COD	Reported once.

## Ischaemic Heart Disease selection functions used

Category 1: Ischaemic heart disease

Category 9: PBS item code authority for IHD

Function	Description	Output
<b>fnihdac</b>	PARAM STRING AGED CARE HEALTH CONDITION TO TEST FOR ISCHAEMIC HEART DISEASE	01
<b>fnihdcomm</b>	PARAM STRING COMMENT TO TEST FOR ISCHAEMIC HEART DISEASE	01
<b>fnihdcomm2</b>	PARAM STRING COMMENT TO MORE NARROWLY TEST FOR ISCHAEMIC HEART DISEASE	01
<b>fnihddx</b>	PARAM STRING ICD CODE TO TEST FOR ISCHAEMIC HEART DISEASE	01
<b>fnihdmb</b>	PARAM STRING MBS CODE TO TEST FOR ISCHAEMIC HEART DISEASE	01
<b>fnihdmed2</b>	PARAM STRING ATC OR PBS ITEM CODE TO TEST FOR ISCHAEMIC HEART DISEASE	019

## Survey questions

YNG01:	y1q15b	heart disease, ever dx
YNG02:	y2q12ad y2q12bd	heart disease, <=4y dx heart disease, >4y dx
YNG03:	y3q12d	heart disease, 3y dx
YNG04:	y4q12d	heart disease, 3y dx
YNG05:	y5q12c	heart disease, 3y dx
YNG06:	y6q12c	heart disease, 3y dx
YNG07:	y7q24c	heart disease, 3y dx
YNG08:	y8q24c	heart disease, 3y dx
YNG09:	y9q24c	heart disease, 3y dx
MID01:	m1q15b	heart disease, ever dx
MID02:	m2q20ac m2q20bc	heart disease, <=2y dx heart disease, >2y dx
MID03:	m3q35e	heart disease, 3y dx
MID04:	m4q32d	heart disease, 3y dx
MID05:	m5q38f	heart disease, 3y dx
MID06:	m6q38f	heart disease, 3y dx
MID07:	m7q32i	heart disease, 3y dx
MID08:	m8q30i	heart disease, 3y dx
MID09:	m9q33j m9q33m m9q34s	MI/heart attack, 3y dx angina, 3y dx angioplasty/artery bypass/stent, 3y exp
MID10:	m10q37j m10q37m m10q40s	MI/heart attack, 3y dx angina, 3y dx angioplasty/artery bypass/stent, 3y exp
OLD01:	o1q16b	heart disease, ever dx
OLD02:	o2q1c o2q2ai o2q2bi	heart disease, 3y dx heart surgery, 3y exp heart surgery, >3y exp
OLD03:	o3q1d o3q1e o3q2f	angina, 3y dx MI/heart attack, 3y dx heart surgery, 3y exp
OLD04:	o4q1f o4q1g o4q2e	angina, 3y dx MI/heart attack, 3y dx heart surgery, 3y exp
OLD05:	o5q1e o5q1f	angina, 3y dx MI/heart attack, 3y dx
OLD06:	o6q1g o6q1h o6q2d	angina, 3y dx MI/heart attack, 3y dx heart surgery, 3y exp
NYC01:	z1q9c MEDH376	heart disease, ever dx
NYC02:	z2q10c MEDH376	heart disease, ever dx

### *Text searched within survey text variables, proxy statements, withdrawal*

"angina", "anginine", "digoxin", "duride", "glycer", "gtn", "heart", "imdur", "imtrate", "isomon", "isosorb", "lanoxin", "lycinate", "minitran", "monodur", "nitro", "sigmaxin", "trinitr"

### *Text searched within survey comments*

*Narrower than text searched in other variables.*

"angina", "heart attack", "heart disease", "stent"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	410	Acute myocardial infarction
9	411	Other acute and subacute forms of ischemic heart disease
9	412	Old myocardial infarction
9	413	Angina pectoris
9	414	Other forms of chronic ischemic heart disease
10	I20	Angina pectoris
10	I21	Acute myocardial infarction
10	I22	Subsequent myocardial infarction
10	I23	Certain current complications following acute myocardial infarction
10	I24	Other acute ischaemic heart diseases
10	I25	Chronic ischaemic heart disease

### *MBS item codes*

35304 – 35305	Angioplasty (PTCA)
35310	Angioplasty (PTCA)
35335	Angioplasty (PTCA)
35338	Angioplasty (PTCA)
35341	Angioplasty (PTCA)
35344	Angioplasty (PTCA)
38215 – 38246	Angiography
38300	Angioplasty (PTCA)
38303	Angioplasty (PTCA)
38306	Angioplasty (PTCA)
38309	Angioplasty (PTCA)
38312	Angioplasty (PTCA)
38315	Angioplasty (PTCA)
38318	Angioplasty (PTCA)
38497 – 38504	Coronary artery bypass graft (CABG)

### *PBS Item Codes or ATC Codes for PBS and survey medications*

01418P†	B01AC24	Ticagrelor
02275R†	B01AC04	Clopidogrel
08350L†	B01AC17	Tirofiban
09317J†	B01AC04	Clopidogrel
09495R†	B01AC	Platelet aggregation inhibitors excl. heparin
09496T†	B01AC	Platelet aggregation inhibitors excl. heparin
13524T†	B01AC24	Ticagrelor
	C01AA05	Digoxin
	C01DA02	Glyceryl trinitrate
	C01DA14	Isosorbide mononitrate

† PBS item code for IHT

### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

903	Angina
904	Myocardial infarction (heart attack)
905	Acute & chronic ischaemic heart disease

## Mental Health Conditions: Depression, Anxiety

ALL COHORT MENTAL HEATH DATASET  
SPECIFICALLY RETRICTED TO DEPERSSION AND ANXIETY  
FROM ALSWH, MBS, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected using criteria based on the multi-morbidity report for mental health but specifically selects for affective disorders depression or anxiety, and restricted selection to mental health scales rather than self-report variables.

In Mental Health Conditions: Depression, Anxiety dataset			
cohort	No	Yes	Total
1921-26 (OLD)	7326	4753 (39.35%)	12079
1946-51 (MID)	6981	5970 (46.1%)	12951
1973-78 (YNG)	6621	6880 (50.96%)	13501
1989-95 (NYC)	9058	7935 (46.7%)	16993
Total	29986	25538 (45.99%)	55524

Maximum number of sources reporting this condition: 5



## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: medications
5	A	ALSWH: comments
6	A	ALSWH: proxy statement
7	A	ALSWH: withdrawal
8	P	PBS
9	H	Hospital admissions
10	H	Hospital emergency
11	C	Aged Care: ACAP
12	C	Aged Care: ACFI
13	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more beyond scale cut-off (K10>=25, CES-D>=10, SF36-MH<=52) <b>OR</b> Once scale cut-off AND once or more Dx AND once or more in PBS, Hospital, or Aged Care.
PBS	Reported two or more 'scripts within 12m <b>AND</b> Once or more in ALSWH, Hospital, or Aged Care.
Hospital	Reported once or more <b>AND</b> Once or more in ALSWH, PBS, or Aged Care.
Aged Care	Reported once or more <b>AND</b> Once or more in ALSWH, PBS, or Hospital.
COD	Reported once.

## Mental health condition selection functions used

Category 1: Affective disorders

Category 2: Eating disorders (not selected)

Category 9: PBS Item Code authorised for anxiety

Function	Description	Output
fmntac2	PARAM STRING AGED CARE HEALTH CONDITION TO TEST FOR MENTAL ILLNESS CONDITIONS	01
fmntcomm2	PARAM STRING COMMENT TO TEST FOR MENTAL ILLNESS CONDITIONS	012
fmntdx2	PARAM STRING ICD CODE TO TEST FOR MENTAL ILLNESS CONDITIONS	012
fmntmed3	PARAM STRING ATC CODE TO TEST FOR MENTAL ILLNESS CONDITIONS	019

## Survey questions

YNG01:	y1mh		SF26 mental health
YNG02:	y2q12ai		depression, postnatal, <=4y dx
	y2q12bi		depression, postnatal, >4y dx
	y2q12aj		depression, non-postnatal, <=4y dx
	y2q12bj		depression, non-postnatal, >4y dx
	y2q12ak		anxiety disorder, <=4y dx
	y2q12bk		anxiety disorder, >4y dx
	y2mh		SF26 mental health
	y2cesd10		CES-D 10
YNG03:	y3q12i		depression, postnatal, 3y dx
	y3q12j		depression, non-postnatal, 3y dx
	y3q12k		anxiety disorder, 3y dx
	y3mh		SF26 mental health
	y3cesd10		CES-D 10
YNG04:	y4q12j		depression, postnatal, 3y dx
	y4q12k		depression, non-postnatal, 3y dx
	y4q12l		anxiety disorder, 3y dx
	y4mh		SF26 mental health
	y4cesd10		CES-D 10
YNG05:	y5q12h		depression, 3y dx
	y5q12i		anxiety disorder, 3y dx
	y5q42atot		antenatal depression, ever
	y5q42btot		postnatal depression, ever
	y5q42ctot		antenatal anxiety, ever
	y5q42dtot		postnatal anxiety, ever
	y5mh		SF26 mental health
	y5cesd10		CES-D 10
YNG06:	y6q12h		depression, 3y dx
	y6q12i		anxiety disorder, 3y dx
	y6q40atot		antenatal depression, ever
	y6q40btot		postnatal depression, ever
	y6q40ctot		antenatal anxiety, ever
	y6q40dtot		postnatal anxiety, ever
	y6mh		SF26 mental health
	y6cesd10		CES-D 10
YNG07:	y7q24h		depression, 3y dx
	y7q24i		anxiety disorder, 3y dx
	y7q71atot†	ANTEDEPRESS	antenatal depression, ever
	y7q71btot†	POSTNATALDEPRESS	postnatal depression, ever
	y7q71ctot†	ANTENATALANXIETY	antenatal anxiety, ever
	y7q71dtot†	POSTNATALANXIETY	postnatal anxiety, ever
	y7mh		SF-26 mental health
	y7cesd10		CES-D 10
YNG08:	y8q24m		depression, 3y dx
	y8q24n		anxiety disorder, 3y dx
	y8q75atot†	ANTEDEPRESS	antenatal depression, ever
	y8q75btot†	POSTNATALDEPRESS	postnatal depression, ever
	y8q75ctot†	ANTENATALANXIETY	antenatal anxiety, ever
	y8q75dtot†	POSTNATALANXIETY	postnatal anxiety, ever
	y8q76r†	FDESDP	depression or anxiety, pregnant exp
	y8q76s†	FDESAP	depression or anxiety, post-pregnant exp
	y8mh		SF26 mental health
	y8cesd10		CES-D 10
YNG09:	y9q24s		depression, 3y dx
	y9q24t		anxiety disorder, 3y dx
	y9q62atot†	ANTEDEPRESS	antenatal depression, ever
	y9q62btot†	POSTNATALDEPRESS	postnatal depression, ever

	y9q62ctot†	ANTENATALANXIETY	antenatal anxiety, ever
	y9q62dtot†	POSTNATALANXIETY	postnatal anxiety, ever
	y9q63r†	FDESDP	depression or anxiety, pregnant exp
	y9q63s†	FDESAP	depression or anxiety, post-pregnant exp
	y9mh		SF-26 mental health
	y9cesd10		CES-D 10
MID01:	m1mh		SF26 mental health
MID02:	m2q20ap		depression, <=2y dx
	m2q20bp		depression, >2y dx
	m2q20aq		anxiety disorder, <=2y dx
	m2q20bq		anxiety disorder, >2y dx
	m2mh		SF26 mental health
	m2cesd10		CES-D 10
MID03:	m3q35q		depression, 3y dx
	m3q35r		anxiety disorder, 3y dx
	m3mh		SF26 mental health
	m3cesd10		CES-D 10
MID04:	m4q32q		depression, 3y dx
	m4q32r		anxiety disorder, 3y dx
	m4mh		SF26 mental health
	m4cesd10		CES-D 10
MID05:	m5q38q		depression, 3y dx
	m5q38r		anxiety disorder, 3y dx
	m5mh		SF26 mental health
	m5cesd10		CES-D 10
MID06:	m6q38r		depression, 3y dx
	m6q38s		anxiety disorder, 3y dx
	m6mh		SF26 mental health
	m6cesd10		CES-D 10
MID07:	m7q32cc		depression, 3y dx
	m7q32dd		anxiety disorder, 3y dx
	m7mh		SF26 mental health
	m7cesd10		CES-D 10
MID08:	m8q30cc		depression, 3y dx
	m8q30dd		anxiety disorder, 3y dx
	m8mh		SF26 mental health
	m8cesd10		CES-D 10
MID09:	m9q33kk		depression, 3y dx
	m9q33ll		anxiety disorder, 3y dx
	m9mh		SF26 mental health
	m9cesd10		CES-D 10
MID10:	m10q33ll		depression, 3y dx
	m10q33mm		anxiety disorder, 3y dx
	m10mh		SF-26 mental health
	m10cesd10		CES-D 10
OLD01:	o1mh		SF26 mental health
OLD02:	o2q1o		depression, 3y dx
	o2q1p		anxiety disorder, 3y dx
	o2mh		SF26 mental health
	o2cesd10		CES-D 10
OLD03:	o3q1n		depression, 3y dx
	o3q1o		anxiety disorder, 3y dx
	o3mh		SF26 mental health
OLD04:	o4q1p		depression, 3y dx
	o4q1q		anxiety disorder, 3y dx
	o4mh		SF26 mental health
OLD05:	o5q1q		depression, 3y dx
	o5q1r		anxiety disorder, 3y dx

	o5mh		SF26 mental health
OLD06:	o6q1s		depression, 3y dx
	o6q1t		anxiety disorder, 3y dx
	o6mh		SF26 mental health
OLD07:	o7mh		SF26 mental health
NYC01:	z1q11a	MEDH396	depression, ever dx
	z1q11b	MEDH397	anxiety disorder, ever dx
	z1q30?	K10	K10
NYC02:	z2q9a	MEDH396	depression, ever dx
	z2q9b	MEDH397	anxiety disorder, ever dx
	z2q52?	K10	K10
NYC03:	z3q9a	MEDH396	depression, ever dx
	z3q9b	MEDH397	anxiety disorder, ever dx
	z3q51?	K10	K10
NYC04:	z4q10?	MH	SF-26 mental health
	z4q35?	K10	K10
NYC05:	z5q28a	MEDH396	depression, ever dx
	z5q28b	MEDH397	anxiety disorder, ever dx
	z5q29a	MEDH500	depression, 12m dx rx
	z5q29b	MEDH501	anxiety disorder, 12m dx rx
	z5q182†	ANTENATALDEPRESSION	antenatal depression, ever
	z5q183†	POSTNATALDEPRESSION	postnatal depression, ever
	z5q184†	ANTENATALANXIETY	antenatal anxiety, ever
	z5q185†	POSTNATALANXIETY	postnatal anxiety, ever
	z5q296	K10	K10
NYC06:	z6q2a	MEDH396	depression, ever dx
	z6q2b	MEDH397	anxiety disorder, ever dx
	z6q3a	MEDH597	depression, 2y dx rx
	z6q3b	MEDH598	anxiety disorder, 2y dx rx
	z6q180†	ANTENATALDEPRESSION	antenatal depression, ever
	z6q181†	POSTNATALDEPRESSION	postnatal depression, ever
	z6q182†	ANTENATALANXIETY	antenatal anxiety, ever
	z6q183†	POSTNATALANXIETY	postnatal anxiety, ever
	z6q280	K10	K10

† In Birth Events dataset

*Text searched within survey text variables, comments, proxy statements, withdrawal*

"affective disorder", "anxiety", "cyclothymia", "depression", "dysthymia", "mood disorder"

Text reviewed to restrict to diagnosed or treated for depression or anxiety.

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	296	Episodic mood disorders
9	300	Anxiety, dissociative and somatoform disorders
9	309.0	Adjustment disorder with depressed mood
9	309.1	Prolonged depressive reaction
9	311	Depressive disorder, not elsewhere classified
10	F32	Depressive episode
10	F33	Recurrent depressive disorder
10	F34	Persistent mood [affective] disorders
10	F38	Other mood [affective] disorders
10	F39	Unspecified mood [affective] disorder
10	F40	Phobic anxiety disorders
10	F41	Other anxiety disorders
10	F53	Mental and behavioural disorders associated with the puerperium, not elsewhere classified

*PBS Item Codes or ATC codes for PBS and survey medications*

04144D†	N05BE01	Buspirone
04145E†	N05BE01	Buspirone
	N06AA*	Antidepressants: Non-selective monoamine reuptake inhibitors
	N06AB*	Antidepressants: Selective serotonin reuptake inhibitors
	N06AF*	Antidepressants: Monoamine oxidase inhibitors, non-selective
	N06AG*	Antidepressants: Monoamine oxidase A inhibitors
	N06AX03	Mianserin
	N06AX05	Trazodone
	N06AX06	Nefazodone
	N06AX07	Minaprine
	N06AX09	Viloxazine
	N06AX10	Oxaflozane
	N06AX11	Mirtazapine
	N06AX12	Bupropion
	N06AX13	Medifoxamine
	N06AX14	Tianeptine
	N06AX16	Venlafaxine
	N06AX18	Reboxetine
	N06AX21	Duloxetine
	N06AX22	Agomelatine
	N06AX23	Desvenlafaxine
	N06AX24	Vilazodone
	N06AX26	Vortioxetine
	N06CA*	Antidepressants in combination with psycholeptics

† PBS Item Code for anxiety

*Aged Care (ACAP, ACFI, NSAF) Health Conditions*

550A	Depression, mood and affective disorders, Bi-Polar
552	Depression/Mood affective disorders
560	Neurotic, stress related, anxiety, somatoform disorders
561	Phobic & anxiety disorders (includes agoraphobia, panic disorder)

## Musculoskeletal conditions

### ALL COHORT MUSCULOSKELETAL CONDITIONS DATASET FROM ALSWH, PBS, HOSPITAL, AGED CARE, AND DEATHS.

Previously, there was a **all\_musculoskel** dataset based on the multi-morbidity report which was determined to be too broad and conflated multiple musculoskeletal conditions such as “cervical disc displacement”, “rheumatoid arthritis”, “scoliosis”, “osteoarthritis” “spinal deformities”, and “back pain”. As such, it was excluded from the CCMS datasets until more specific condition datasets could be generated.

However, it was requested this dataset be recreated for use in multimorbidity research.

In Musculoskeletal conditions dataset			
cohort	No	Yes	Total
1921-26 (OLD)	1883	10196 (84.41%)	12079
1946-51 (MID)	2053	10898 (84.15%)	12951
1973-78 (YNG)	7906	5595 (41.44%)	13501
1989-95 (NYC)	11942	5051 (29.72%)	16993
<b>Total</b>	<b>23784</b>	<b>31740 (57.16%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 5

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: comments
5	A	ALSWH: proxy statement
6	A	ALSWH: withdrawal
7	P	PBS
8	H	Hospital admissions
9	H	Hospital emergency
10	C	Aged Care: ACAP
11	C	Aged Care: ACFI
12	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported twice or more <b>OR</b> Reported once in survey question AND once or more in PBS.
PBS	Reported twice or more 'scripts within 12m <b>OR</b> Reported once AND once or more in ALSWH survey question.
Hospital	Reported once or more.
Aged Care	Reported once or more.
COD	Reported once.

## Musculoskeletal selection functions used

### Category 1: Musculoskeletal conditions

Function	Description	Output
<b>fmskac</b>	PARM STRING AGED CARE HEALTH CONDITION TO TEST FOR MUSCULOSKELETAL	01
<b>fmskcomm</b>	PARM STRING COMMENT TO TEST FOR MUSCULOSKELETAL	01
<b>fmskdx</b>	PARM STRING ICD CODE TO TEST FOR MUSCULOSKELETAL	01
<b>fmskmed</b>	PARM STRING ICD CODE TO TEST FOR MUSCULOSKELETAL	01

## Survey questions

YNG01:	y1q26ae	back pain, 12m exp
YNG02:	y2q13ae	back pain, 12m exp
YNG03:	y3q13ae	back pain, 12m exp
YNG04:	y4q13ae	back pain, 12m exp
YNG05:	y5q13ag	back pain, 12m exp
YNG06:	y6q13ag	back pain, 12m exp
YNG07:	y7q25a	osteoarthritis, ever dx
	y7q25b	rheumatoid arthritis, ever dx
	y7q25c	other arthritis, ever dx
	y7q44af	back pain, 12m exp
YNG08:	y8q24f	osteoarthritis, 3y dx
	y8q24g	rheumatoid arthritis, 3y dx
	y8q24h	other arthritis, 3y dx
	y8q50af	back pain, 12m exp
YNG09:	y9q24i	osteoarthritis, 3y dx
	y9q24j	rheumatoid arthritis, 3y dx
	y9q24k	other arthritis, 3y dx
	y9q40aj	back pain, 12m exp
MID01:	m1q15i	osteoporosis, ever dx
	m1q34ah	back pain, 12m exp
MID02:	m2q20aj	osteoporosis, <=2y dx
	m2q20bj	osteoporosis, >2y dx
	m2q29ah	back pain, 12m exp
MID03:	m3q33ah	med for arthritis, presc, 4w taken
	m3q33bh	med for arthritis, other, 4w taken
	m3q35a	arthritis/rheumatism, 3y dx
	m3q37ah	back pain, 12m exp
MID04:	m4q29aj	med for arthritis, presc, 4w taken
	m4q29bj	med for arthritis, other, 4w taken
	m4q32a	arthritis/rheumatism, 3y dx
	m4q32k	osteoporosis, 3y dx
	m4q38ah	back pain, 12m exp
MID05:	m5q38c	osteoarthritis, 3y dx
	m5q38d	rheumatoid arthritis, 3y dx
	m5q38e	other arthritis, 3y dx
	m5q38l	osteoporosis, 3y dx
	m5q44ah	back pain, 12m exp
MID06:	m6q38c	osteoarthritis, 3y dx
	m6q38d	rheumatoid arthritis, 3y dx
	m6q38e	other arthritis, 3y dx
	m6q38m	osteoporosis, 3y dx
	m6q46ah	back pain, 12m exp
MID07:	m7q32d	osteoarthritis, 3y dx
	m7q32e	rheumatoid arthritis, 3y dx
	m7q32f	other arthritis, 3y dx
	m7q32g	osteoporosis, 3y dx
	m7q42g	back pain, 12m exp
MID08:	m8q30d	osteoarthritis, 3y dx
	m8q30e	rheumatoid arthritis, 3y dx
	m8q30f	other arthritis, 3y dx
	m8q30g	osteoporosis, 3y dx
	m8q41j	back pain, 12m exp
MID09:	m9q33e	osteoarthritis, 3y dx
	m9q33f	rheumatoid arthritis, 3y dx
	m9q33g	other arthritis, 3y dx
	m9q33h	osteoporosis, 3y dx
	m9q47j	back pain, 12m exp



MID10:	m10q37e	osteoarthritis, 3y dx
	m10q37f	rheumatoid arthritis, 3y dx
	m10q37g	other arthritis, 3y dx
	m10q37h	osteoporosis, 3y dx
	m10q45j	back pain, 12m exp
OLD01:	o1q16j	osteoporosis, ever dx
	o1q27ah	back pain, 12m exp
OLD02:	o2q1a	arthritis/rheumatism, 3y dx
	o2q1j	osteoporosis, 3y dx
	o2q16ah	back pain, 12m exp
OLD03:	o3q1b	arthritis/rheumatism, 3y dx
	o3q1c	osteoporosis, 3y dx rx
	o3q8b	med for arthritis, presc, 4w taken
	o3q18ab	back pain, 12m exp
OLD04:	o4q1b	osteoarthritis, 3y dx
	o4q1c	rheumatoid arthritis, 3y dx
	o4q1d	other arthritis, 3y dx
	o4q1e	osteoporosis, 3y dx rx
	o4q25b	back pain, 12m exp
OLD05:	o5q1b	osteoarthritis, 3y dx
	o5q1c	osteoporosis, 3y dx rx
	o5q23b	back pain, 12m exp
OLD06:	o6q1b	osteoarthritis, 3y dx
	o6q1c	rheumatoid arthritis, 3y dx
	o6q1d	other arthritis, 3y dx
	o6q1e	osteoporosis, 3y dx rx
	o6q3b	back pain, 12m exp
NYC01:	z1q5d	CPRB008 back pain, 12m exp
NYC02:	z2q5d	CPRB008 back pain, 12m exp
NYC03:	z3q5d	CPRB008 back pain, 12m exp
NYC05:	z5q64	CPRB008 back pain, 12m exp
NYC06:	z6q17	CPRB008 back pain, 12m exp

*Text searched within survey text variables, comments, proxy statements, withdrawal*

"ankylosing", "arthritis", "kyphosis", "lordosis", "osteoporosis", "rheumatoid", "sciatica", "scoliosis", "spondylitis", "spondylosis"

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	714	Rheumatoid arthritis and other inflammatory polyarthropathies
9	715	Osteoarthrosis and allied disorders
9	716.2	Allergic arthritis
9	716.3	Climacteric arthritis
9	716.5	Unspecified polyarthropathy or polyarthrits
9	720	Ankylosing spondylitis and other inflammatory spondylopathies
9	721	Spondylosis and allied disorders
9	722	Intervertebral disc disorders
9	723	Other disorders of cervical region
9	724	Other and unspecified disorders of back
9	733.0	Osteoporosis
10	M05	Seropositive rheumatoid arthritis
10	M06	Other rheumatoid arthritis
10	M08	Juvenile arthritis
10	M13	Other arthritis
10	M15	Polyarthrosis
10	M16	Coxarthrosis [arthrosis of hip]
10	M17	Gonarthrosis [arthrosis of knee]

10	M18	Arthrosis of first carpometacarpal joint
10	M19	Other arthrosis
10	M40	Kyphosis and lordosis
10	M41	Scoliosis
10	M45	Ankylosing spondylitis
10	M46	Other inflammatory spondylopathies
10	M47	Spondylosis
10	M48	Other spondylopathies
10	M49	Spondylopathies in diseases classified elsewhere
10	M50	Cervical disc disorders
10	M51	Other intervertebral disc disorders
10	M53	Other dorsopathies, not elsewhere classified
10	M54	Dorsalgia
10	M80	Osteoporosis with pathological fracture
10	M81	Osteoporosis without pathological fracture
10	M82	Osteoporosis in diseases classified elsewhere
10	M85	Other disorders of bone density and structure
10	M99	Biomechanical lesions, not elsewhere classified

#### *ATC codes for PBS and survey medications*

M01AA*	Butylpyrazolidines
M01AB*	Acetic acid derivatives and related substances
M01AC *	Oxicams
M01AG02	Tolfenamic acid
M01AG03	Flufenamic acid
M01AG04	Meclofenamic acid
M01AH*	Coxibs
M01AX*	Other anti-inflammatory and antirheumatic agents, non-steroids
M01B*	Anti-inflammatory/antirheumatic agents in combination
M01C*	Specific antirheumatic agents (excluding M01CA due to PBS error of hydroxychloroquine)
M04*	Antigout preparations
M05*	Drugs for treatment of bone diseases

#### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

1301	Rheumatoid arthritis
1302	Other arthritis & related disorders (includes gout, arthrosis, osteoarthritis)
1304	Back problems—dorsopathies (includes scoliosis)
1306	Osteoporosis
1399	Other disorders of the musculoskeletal system & connective tissue n.o.s or n.e.c (includes osteomyelitis)

## Stroke

### ALL COHORT STROKE DATASET FROM ALSWH, HOSPITAL, AGED CARE, AND DEATHS.

This dataset was selected used criteria based on the multi-morbidity report and was selected only on stroke / CVA.

In Stroke dataset			
cohort	No	Yes	Total
<b>1921-26 (OLD)</b>	8334	3745 (31%)	<b>12079</b>
<b>1946-51 (MID)</b>	12340	611 (4.72%)	<b>12951</b>
<b>1973-78 (YNG)</b>	13389	112 (0.83%)	<b>13501</b>
<b>1989-95 (NYC)</b>	16962	31 (0.18%)	<b>16993</b>
<b>Total</b>	<b>51025</b>	<b>4499 (8.1%)</b>	<b>55524</b>

Maximum number of sources reporting this condition: 4

## Summary of case selection

### RECORDS ARE SELECTED FROM THE FOLLOWING DATA SOURCES

ORDER	CODE	SOURCE
1	D	Cause of Death
2	A	ALSWH: survey variables
3	A	ALSWH: text fields
4	A	ALSWH: comments
5	A	ALSWH: proxy statement
6	A	ALSWH: withdrawal
7	H	Hospital admissions
8	H	Hospital emergency
9	C	Aged Care: ACAP
10	C	Aged Care: ACFI
11	C	Aged Care: NSAF

Data source	Eligibility criteria
ALSWH SURVEYS	Reported once or more <b>AND</b> Once or more in Hospital or Aged Care.
Hospital	Reported once or more.
Aged Care	Reported once or more.
COD	Reported once.

## Stroke selection functions used

### Category 1: Stroke

Function	Description	Output
<b>fnstrac</b>	PARAM STRING AGED CARE HEALTH CONDITION TO TEST FOR STROKE	01
<b>fnstrcomm</b>	PARAM STRING COMMENT TO TEST FOR STROKE	01
<b>fnstrdx2</b>	PARAM STRING ICD CODE TO TEST FOR STROKE	01

## Survey questions

MID01:	m1q15d	stroke, ever dx
MID02:	m2q20ae	stroke, <=2y dx
	m2q20be	stroke, >2y dx
MID03:	m3q35g	stroke, 3y dx
MID04:	m4q32f	stroke, 3y dx
MID05:	m5q38h	stroke, 3y dx
MID06:	m6q38i	stroke, 3y dx
MID07:	m7q32l	stroke, 3y dx
MID08:	m8q30l	stroke, 3y dx
MID09:	m9q33q	stroke, 3y dx
MID10:	m10q37q	stroke, 3y dx
OLD01:	o1q16d	stroke, ever dx
OLD02:	o2q1e	stroke, 3y dx
OLD03:	o3q1j	stroke, 3y dx
OLD04:	o4q1l	stroke, 3y dx
OLD05:	o5q1k	stroke, 3y dx
OLD06:	o6q1m	stroke, 3y dx

*Text searched within survey text variables, comments, proxy statements, withdrawal "stroke", "CVA"*

## Codes used for selection

### *Hospital and COD ICD versions and codes*

9	430	Subarachnoid hemorrhage
9	431	Intracerebral hemorrhage
9	432	Other and unspecified intracranial hemorrhage
9	433	Occlusion and stenosis of precerebral arteries
9	434	Occlusion of cerebral arteries
9	436	Acute, but ill-defined, cerebrovascular disease
9	437	Other and ill-defined cerebrovascular disease
9	438	Late effects of cerebrovascular disease
10	I60	Subarachnoid haemorrhage
10	I61	Intracerebral haemorrhage
10	I62	Other nontraumatic intracranial haemorrhage
10	I63	Cerebral infarction
10	I64	Stroke, not specified as haemorrhage or infarction
10	I65	Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction
10	I66	Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction
10	I67	Other cerebrovascular diseases
10	I68	Cerebrovascular disorders in diseases classified elsewhere
10	I69	Sequelae of cerebrovascular disease

### *Aged Care (ACAP, ACFI, NSAF) Health Conditions*

91\* Cerebrovascular disease

## Data dictionary

#	Group	Variable	Details	Codes
1		idalias	Participant IDALIAS	
2		cohort	CHAR3: Cohort	"MID"; "NYC"; "OLD"; "YNG"
3		deathdate	DATE9: Date of death (any cause)	
4	Asthma	xin_asm	NUM: In Asthma CCMS dataset	0 "No"; 1 "Yes"
5		firstdate_asm	DATE9: First date Asthma reported from any source	
6		nsources_asm	NUM: Number of sources reporting Asthma (max 5)	
7		pattern_asm	CHAR20: pattern of selection sources for Asthma	Letter from "Code" column
8		xcod_asm	NUM: Asthma ANY COD	0 "No"; 1 "Yes"
9		ucod_asm	NUM: Asthma underlying COD	0 "No"; 1 "Yes"
10		ocod_asm	NUM: Asthma other COD	0 "No"; 1 "Yes"
11		coddx_asm	CHAR60: String of all selection Asthma COD diagnoses	ICD codes
12		xwhsr_asm	NUM: Asthma ALSWH survey question	0 "No"; 1 "Yes"
13		srsurvey_asm	NUM: Survey for first ALSWH survey Asthma question	
14		srdate_asm	DATE9: Date for first ALSWH Asthma survey question	
15		srqnr_asm	NUM: Question number for first ALSWH survey Asthma question	
16		xwhtext_asm	NUM: Asthma ALSWH survey text response	0 "No"; 1 "Yes"
17		textsurvey_asm	NUM: Survey for first ALSWH Asthma text response	
18		textdate_asm	DATE9: Date of first ALSWH text Asthma response	
19		textqnr_asm	NUM: Question number for first ALSWH text Asthma response	
20		xwhmed_asm	NUM: Asthma ALSWH survey medication	0 "No"; 1 "Yes"
21		medsurvey_asm	NUM: Survey for first ALSWH Asthma medication	
22		meddate_asm	DATE9: Date of first ALSWH survey Asthma medication	

#	Group	Variable	Details	Codes
23		atcmed_asm	CHAR100: String of all ALSWH survey Asthma medications	ATC codes
24		xwhcomm_asm	NUM: Asthma ALSWH survey comment	0 "No"; 1 "Yes"
25		commsurvey_asm	NUM: Survey for first ALSWH Asthma comment	
26		commdate_asm	DATE9: Date of first ALSWH Asthma comment	
27		xwhprox_asm	NUM: Asthma ALSWH survey proxy statement	0 "No"; 1 "Yes"
28		proxsurvey_asm	NUM: Survey for first ALSWH Asthma proxy statement	
29		proxdate_asm	DATE9: Date of first ALSWH Asthma proxy statement	
30		xwhwdraw_asm	NUM: Asthma ALSWH withdrawal	0 "No"; 1 "Yes"
31		datewdraw_asm	DATE9: Date of ALSWH Asthma withdrawal	
32		xmbs_asm	NUM: Asthma MBS procedures	0 "No"; 1 "Yes"
33		mbsdate_asm	DATE9: Date of first MBS Asthma procedure	
34		mbsstr_asm	CHAR100: String of all MBS codes for Asthma procedures	MBS item codes
35		xpbs_asm	NUM: PBS Asthma medication	0 "No"; 1 "Yes"
36		prescdate_asm	DATE9: Date of first PBS Asthma medication prescription	
37		pbsdate_asm	DATE9: Date of first PBS Asthma medication supply	
38		atcpbs_asm	CHAR100: String of all PBS Asthma medications	ATC codes
39		xhosp_asm	NUM: Asthma Hospital admissions ICD code	0 "No"; 1 "Yes"
40		hospdate_asm	DATE9: Date of first Hospital admissions Asthma ICD code	
41		hospdx_asm	CHAR200: String of all Hospital admissions Asthma ICD codes	ICD codes
42		hospstate_asm	CHAR4: State of first Hospital admissions Asthma ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
43		xhed_asm	NUM: Asthma Hospital emergency ICD code	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
44		heddate_asm	DATE9: Date of first Hospital emergency Asthma ICD code	
45		heddx_asm	CHAR2000: String of all Hospital emergency Asthma ICD codes	ICD codes
46		hedstate_asm	CHAR4: Date of first Hospital emergency Asthma ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
47	Cancer	xin_can	NUM: In Cancer CCMS dataset	0 "No"; 1 "Yes"
48		firstdate_can	DATE9: First date Cancer reported from any source	
49		nsources_can	NUM: Number of sources reporting Cancer (max 4)	
50		pattern_can	CHAR20: pattern of selection sources for Cancer	Letter from "Code" column
51		xcod_can	NUM: Cancer ANY COD	0 "No"; 1 "Yes"
52		ucod_can	NUM: Cancer underlying COD	0 "No"; 1 "Yes"
53		ocod_can	NUM: Cancer other COD	0 "No"; 1 "Yes"
54		coddx_can	CHAR60: String of all selection Cancer COD diagnoses	ICD codes
55		xds_can	NUM: On Cancer registry (canceraihw2021)	0 "No"; 1 "Yes"
56		dsdate_can	DATE9: First indication of Cancer in registry (all_cancer)	
57		dsdx_can	CHAR100: String of all Cancer registry ICD10 codes	ICD codes
58		xmbs_can	NUM: Cancer MBS procedures	0 "No"; 1 "Yes"
59		mbsdate_can	DATE9: Date of first MBS Cancer procedure	
60		mbsstr_can	CHAR100: String of all MBS codes for Cancer procedures	MBS item codes
61		xhosp_can	NUM: Cancer Hospital admissions ICD code	0 "No"; 1 "Yes"
62		hospdate_can	DATE9: Date of first Hospital admissions Cancer ICD code	
63		hospdx_can	CHAR200: String of all Hospital admissions Cancer ICD codes	ICD codes
64		hospstate_can	CHAR4: State of first Hospital admissions Cancer ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
65	xhed_can	NUM: Cancer Hospital emergency ICD code	0 "No"; 1 "Yes"	



#	Group	Variable	Details	Codes
66		heddate_can	DATE9: Date of first Hospital emergency Cancer ICD code	
67		heddx_can	CHAR2000: String of all Hospital emergency Cancer ICD codes	ICD codes
68		hedstate_can	CHAR4: Date of first Hospital emergency Cancer ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
69	Cholesterol	xin_chl	NUM: In Hypercholesterolaemia CCMS dataset	0 "No"; 1 "Yes"
70		firstdate_chl	DATE9: First date Hypercholesterolaemia reported from any source	
71		nsources_chl	NUM: Number of sources reporting Hypercholesterolaemia (max 5)	
72		pattern_chl	CHAR20: pattern of selection sources for Hypercholesterolaemia	Letter from "Code" column
73		xcod_chl	NUM: Hypercholesterolaemia ANY COD	0 "No"; 1 "Yes"
74		ucod_chl	NUM: Hypercholesterolaemia underlying COD	0 "No"; 1 "Yes"
75		ocod_chl	NUM: Hypercholesterolaemia other COD	0 "No"; 1 "Yes"
76		coddx_chl	CHAR60: String of all selection Hypercholesterolaemia COD diagnoses	ICD codes
77		xwhsr_chl	NUM: Hypercholesterolaemia ALSWH survey question	0 "No"; 1 "Yes"
78		srsurvey_chl	NUM: Survey for first ALSWH survey Hypercholesterolaemia question	
79		srdate_chl	DATE9: Date for first ALSWH Hypercholesterolaemia survey question	
80		srqnr_chl	NUM: Question number for first ALSWH survey Hypercholesterolaemia question	
81		xwhstxt_chl	NUM: Hypercholesterolaemia ALSWH survey text response	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
82		textsurvey_chl	NUM: Survey for first ALSWH Hypercholesterolaemia text response	
83		textdate_chl	DATE9: Date of first ALSWH text Hypercholesterolaemia response	
84		textqnr_chl	NUM: Question number for first ALSWH text Hypercholesterolaemia response	
85		xwhmed_chl	NUM: Hypercholesterolaemia ALSWH survey medication	0 "No"; 1 "Yes"
86		medsurvey_chl	NUM: Survey for first ALSWH Hypercholesterolaemia medication	
87		meddate_chl	DATE9: Date of first ALSWH survey Hypercholesterolaemia medication	
88		atcmed_chl	CHAR100: String of all ALSWH survey Hypercholesterolaemia medications	ATC codes
89		xwhcomm_chl	NUM: Hypercholesterolaemia ALSWH survey comment	0 "No"; 1 "Yes"
90		commsurvey_chl	NUM: Survey for first ALSWH Hypercholesterolaemia comment	
91		commdate_chl	DATE9: Date of first ALSWH Hypercholesterolaemia comment	
92		xwhprox_chl	NUM: Hypercholesterolaemia ALSWH survey proxy statement	0 "No"; 1 "Yes"
93		proxsurvey_chl	NUM: Survey for first ALSWH Hypercholesterolaemia proxy statement	
94		proxdate_chl	DATE9: Date of first ALSWH Hypercholesterolaemia proxy statement	
95		xwhwdraw_chl	NUM: Hypercholesterolaemia ALSWH withdrawal	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
96		datewdraw_chl	DATE9: Date of ALSWH Hypercholesterolaemia withdrawal	
97		xpbs_chl	NUM: PBS Hypercholesterolaemia medication	0 "No"; 1 "Yes"
98		prescdate_chl	DATE9: Date of first PBS Hypercholesterolaemia medication prescription	
99		pbsdate_chl	DATE9: Date of first PBS Hypercholesterolaemia medication supply	
100		atcpbs_chl	CHAR100: String of all PBS Hypercholesterolaemia medications	ATC codes
101		xhosp_chl	NUM: Hypercholesterolaemia Hospital admissions ICD code	0 "No"; 1 "Yes"
102		hospdate_chl	DATE9: Date of first Hospital admissions Hypercholesterolaemia ICD code	
103		hospdx_chl	CHAR200: String of all Hospital admissions Hypercholesterolaemia ICD codes	ICD codes
104		hospstate_chl	CHAR4: State of first Hospital admissions Hypercholesterolaemia ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
105		xhed_chl	NUM: Hypercholesterolaemia Hospital emergency ICD code	0 "No"; 1 "Yes"
106		heddate_chl	DATE9: Date of first Hospital emergency Hypercholesterolaemia ICD code	
107		heddx_chl	CHAR2000: String of all Hospital emergency Hypercholesterolaemia ICD codes	ICD codes
108		hedstate_chl	CHAR4: Date of first Hospital emergency Hypercholesterolaemia ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
109		xacap_chl	NUM: ACAP Hypercholesterolaemia health conditions	0 "No"; 1 "Yes"
110		acapdate_chl	DATE9: Date of first ACAP Hypercholesterolaemia health condition	

#	Group	Variable	Details	Codes
111		acapdx_chl	CHAR20: String of all ACAP Hypercholesterolaemia health conditions	ACAP health condition codes
112		xacfi_chl	NUM: ACFI Hypercholesterolaemia health conditions	0 "No"; 1 "Yes"
113		acfidate_chl	DATE9: Date of first ACFI Hypercholesterolaemia health condition	
114		acfidx_chl	CHAR20: String of all ACFI Hypercholesterolaemia health conditions	ACAP health condition codes
115		xacns_chl	NUM: NSAF Hypercholesterolaemia health conditions	0 "No"; 1 "Yes"
116		nsafdate_chl	DATE9: Date of first NSAF Hypercholesterolaemia health condition	
117		nsafdx_chl	CHAR20: String of all NSAF Hypercholesterolaemia health conditions	ACAP health condition codes
118	COPD	xin_cpd	NUM: In COPD CCMS dataset	0 "No"; 1 "Yes"
119		firstdate_cpd	DATE9: First date COPD reported from any source	
120		nsources_cpd	NUM: Number of sources reporting COPD (max 5)	
121		pattern_cpd	CHAR20: pattern of selection sources for COPD	Letter from "Code" column
122		xcod_cpd	NUM: COPD ANY COD	0 "No"; 1 "Yes"
123		ucod_cpd	NUM: COPD underlying COD	0 "No"; 1 "Yes"
124		ocod_cpd	NUM: COPD other COD	0 "No"; 1 "Yes"
125		coddx_cpd	CHAR60: String of all selection COPD COD diagnoses	ICD codes
126		xwhsr_cpd	NUM: COPD ALSWH survey question	0 "No"; 1 "Yes"
127		srsurvey_cpd	NUM: Survey for first ALSWH survey COPD question	
128		srdate_cpd	DATE9: Date for first ALSWH COPD survey question	
129		srqnr_cpd	NUM: Question number for first ALSWH survey COPD question	
130		xwhstxt_cpd	NUM: COPD ALSWH survey text response	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
131		textsurvey_cpd	NUM: Survey for first ALSWH COPD text response	
132		textdate_cpd	DATE9: Date of first ALSWH text COPD response	
133		textqnr_cpd	NUM: Question number for first ALSWH text COPD response	
134		xwhmed_cpd	NUM: COPD ALSWH survey medication	0 "No"; 1 "Yes"
135		medsurvey_cpd	NUM: Survey for first ALSWH COPD medication	
136		meddate_cpd	DATE9: Date of first ALSWH survey COPD medication	
137		atcmed_cpd	CHAR100: String of all ALSWH survey COPD medications	ATC codes
138		xwhcomm_cpd	NUM: COPD ALSWH survey comment	0 "No"; 1 "Yes"
139		commsurvey_cpd	NUM: Survey for first ALSWH COPD comment	
140		commdate_cpd	DATE9: Date of first ALSWH COPD comment	
141		xwhprox_cpd	NUM: COPD ALSWH survey proxy statement	0 "No"; 1 "Yes"
142		proxsurvey_cpd	NUM: Survey for first ALSWH COPD proxy statement	
143		proxdate_cpd	DATE9: Date of first ALSWH COPD proxy statement	
144		xwhwdraw_cpd	NUM: COPD ALSWH withdrawal	0 "No"; 1 "Yes"
145		datewdraw_cpd	DATE9: Date of ALSWH COPD withdrawal	
146		xpbs_cpd	NUM: PBS COPD medication	0 "No"; 1 "Yes"
147		prescdate_cpd	DATE9: Date of first PBS COPD medication prescription	
148		pbsdate_cpd	DATE9: Date of first PBS COPD medication supply	
149		atcpbs_cpd	CHAR100: String of all PBS COPD medications	ATC codes
150		xhosp_cpd	NUM: COPD Hospital admissions ICD code	0 "No"; 1 "Yes"
151		hospdate_cpd	DATE9: Date of first Hospital admissions COPD ICD code	

#	Group	Variable	Details	Codes
152		hospdx_cpd	CHAR200: String of all Hospital admissions COPD ICD codes	ICD codes
153		hospstate_cpd	CHAR4: State of first Hospital admissions COPD ICD code	“ACT”; “NSW”; “NT”; “QLD”; “SA”; “TAS”; “VIC”; “WA”
154		xhed_cpd	NUM: COPD Hospital emergency ICD code	0 “No”; 1 “Yes”
155		heddate_cpd	DATE9: Date of first Hospital emergency COPD ICD code	
156		heddx_cpd	CHAR2000: String of all Hospital emergency COPD ICD codes	ICD codes
157		hedstate_cpd	CHAR4: Date of first Hospital emergency COPD ICD code	“ACT”; “NSW”; “NT”; “QLD”; “SA”; “TAS”; “VIC”; “WA”
158		xacap_cpd	NUM: ACAP COPD health conditions	0 “No”; 1 “Yes”
159		acapdate_cpd	DATE9: Date of first ACAP COPD health condition	
160		acapdx_cpd	CHAR20: String of all ACAP COPD health conditions	ACAP health condition codes
161		xacfi_cpd	NUM: ACFI COPD health conditions	0 “No”; 1 “Yes”
162		acfidate_cpd	DATE9: Date of first ACFI COPD health condition	
163		acfidx_cpd	CHAR20: String of all ACFI COPD health conditions	ACAP health condition codes
164		xacns_cpd	NUM: NSAF COPD health conditions	0 “No”; 1 “Yes”
165		nsafdate_cpd	DATE9: Date of first NSAF COPD health condition	
166		nsafdx_cpd	CHAR20: String of all NSAF COPD health conditions	ACAP health condition codes
167		Dementia	xin_dem	NUM: In Dementia CCMS dataset
168	firstdate_dem		DATE9: First date Dementia reported from any source	
169	nsources_dem		NUM: Number of sources reporting Dementia (max 5)	
170	pattern_dem		CHAR20: pattern of selection sources for Dementia	Letter from “Code” column
171	xcod_dem		NUM: Dementia ANY COD	0 “No”; 1 “Yes”
172	ucod_dem		NUM: Dementia underlying COD	0 “No”; 1 “Yes”
173	ocod_dem		NUM: Dementia other COD	0 “No”; 1 “Yes”

#	Group	Variable	Details	Codes
174		coddx_dem	CHAR60: String of all selection Dementia COD diagnoses	ICD codes
175		xwhsr_dem	NUM: Dementia ALSWH survey question	0 "No"; 1 "Yes"
176		srsurvey_dem	NUM: Survey for first ALSWH survey Dementia question	
177		srdate_dem	DATE9: Date for first ALSWH Dementia survey question	
178		srqnr_dem	NUM: Question number for first ALSWH survey Dementia question	
179		xwhtext_dem	NUM: Dementia ALSWH survey text response	0 "No"; 1 "Yes"
180		textsurvey_dem	NUM: Survey for first ALSWH Dementia text response	
181		textdate_dem	DATE9: Date of first ALSWH text Dementia response	
182		textqnr_dem	NUM: Question number for first ALSWH text Dementia response	
183		xwhmed_dem	NUM: Dementia ALSWH survey medication	0 "No"; 1 "Yes"
184		medsurvey_dem	NUM: Survey for first ALSWH Dementia medication	
185		meddate_dem	DATE9: Date of first ALSWH survey Dementia medication	
186		atcmed_dem	CHAR100: String of all ALSWH survey Dementia medications	ATC codes
187		xwhcomm_dem	NUM: Dementia ALSWH survey comment	0 "No"; 1 "Yes"
188		commsurvey_dem	NUM: Survey for first ALSWH Dementia comment	
189		commdate_dem	DATE9: Date of first ALSWH Dementia comment	
190		xwhprox_dem	NUM: Dementia ALSWH survey proxy statement	0 "No"; 1 "Yes"
191		proxsurvey_dem	NUM: Survey for first ALSWH Dementia proxy statement	
192		proxdate_dem	DATE9: Date of first ALSWH Dementia proxy statement	
193		xwhdraw_dem	NUM: Dementia ALSWH withdrawal	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
194		datewdraw_dem	DATE9: Date of ALSWH Dementia withdrawal	
195		xpbs_dem	NUM: PBS Dementia medication	0 "No"; 1 "Yes"
196		prescdate_dem	DATE9: Date of first PBS Dementia medication prescription	
197		pbsdate_dem	DATE9: Date of first PBS Dementia medication supply	
198		atcpbs_dem	CHAR100: String of all PBS Dementia medications	ATC codes
199		xhosp_dem	NUM: Dementia Hospital admissions ICD code	0 "No"; 1 "Yes"
200		hospdate_dem	DATE9: Date of first Hospital admissions Dementia ICD code	
201		hosidx_dem	CHAR200: String of all Hospital admissions Dementia ICD codes	ICD codes
202		hospstate_dem	CHAR4: State of first Hospital admissions Dementia ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
203		xhed_dem	NUM: Dementia Hospital emergency ICD code	0 "No"; 1 "Yes"
204		heddate_dem	DATE9: Date of first Hospital emergency Dementia ICD code	
205		heddx_dem	CHAR2000: String of all Hospital emergency Dementia ICD codes	ICD codes
206		hedstate_dem	CHAR4: Date of first Hospital emergency Dementia ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
207		xacap_dem	NUM: ACAP Dementia health conditions	0 "No"; 1 "Yes"
208		acapdate_dem	DATE9: Date of first ACAP Dementia health condition	
209		acapdx_dem	CHAR20: String of all ACAP Dementia health conditions	ACAP health condition codes
210		xacfi_dem	NUM: ACFI Dementia health conditions	0 "No"; 1 "Yes"
211		acfidate_dem	DATE9: Date of first ACFI Dementia health condition	
212		acfidx_dem	CHAR20: String of all ACFI Dementia health conditions	ACAP health condition codes
213		xacev_dem	NUM: Aged Care Dementia event	0 "No"; 1 "Yes"
214		eventdate_dem	DATE9: Date of first Aged Care Dementia event	
215		xachc_dem	NUM: Dementia record in Home Care Packages	0 "No"; 1 "Yes"



#	Group	Variable	Details	Codes
216		hcupdate_dem	DATE9: Date of first Home Care Packages Dementia record	
217		xacns_dem	NUM: NSAF Dementia health conditions	0 "No"; 1 "Yes"
218		nsafdate_dem	DATE9: Date of first NSAF Dementia health condition	
219		nsafdx_dem	CHAR20: String of all NSAF Dementia health conditions	ACAP health condition codes
220	Diabetes	xin_dia	NUM: In Diabetes CCMS dataset	0 "No"; 1 "Yes"
221		firstdate_dia	DATE9: First date Diabetes reported from any source	
222		nsources_dia	NUM: Number of sources reporting Diabetes (max 6)	
223		pattern_dia	CHAR20: pattern of selection sources for Diabetes	Letter from "Code" column
224		xcod_dia	NUM: Diabetes ANY COD	0 "No"; 1 "Yes"
225		ucod_dia	NUM: Diabetes underlying COD	0 "No"; 1 "Yes"
226		ocod_dia	NUM: Diabetes other COD	0 "No"; 1 "Yes"
227		coddx_dia	CHAR60: String of all selection Diabetes COD diagnoses	ICD codes
228		xwhsr_dia	NUM: Diabetes ALSWH survey question	0 "No"; 1 "Yes"
229		srsurvey_dia	NUM: Survey for first ALSWH survey Diabetes question	
230		srdate_dia	DATE9: Date for first ALSWH Diabetes survey question	
231		srqnr_dia	NUM: Question number for first ALSWH survey Diabetes question	
232		xwhtext_dia	NUM: Diabetes ALSWH survey text response	0 "No"; 1 "Yes"
233		textsurvey_dia	NUM: Survey for first ALSWH Diabetes text response	
234		textdate_dia	DATE9: Date of first ALSWH text Diabetes response	
235		textqnr_dia	NUM: Question number for first ALSWH text Diabetes response	
236		xwhmed_dia	NUM: Diabetes ALSWH survey medication	0 "No"; 1 "Yes"
237	medsurvey_dia	NUM: Survey for first ALSWH Diabetes medication		

#	Group	Variable	Details	Codes
238		meddate_dia	DATE9: Date of first ALSWH survey Diabetes medication	
239		atcmed_dia	CHAR100: String of all ALSWH survey Diabetes medications	ATC codes
240		xwhcomm_dia	NUM: Diabetes ALSWH survey comment	0 "No"; 1 "Yes"
241		commsurvey_dia	NUM: Survey for first ALSWH Diabetes comment	
242		commdate_dia	DATE9: Date of first ALSWH Diabetes comment	
243		xwhprox_dia	NUM: Diabetes ALSWH survey proxy statement	0 "No"; 1 "Yes"
244		proxsurvey_dia	NUM: Survey for first ALSWH Diabetes proxy statement	
245		proxdate_dia	DATE9: Date of first ALSWH Diabetes proxy statement	
246		xwhdraw_dia	NUM: Diabetes ALSWH withdrawal	0 "No"; 1 "Yes"
247		datewdraw_dia	DATE9: Date of ALSWH Diabetes withdrawal	
248		xmbs_dia	NUM: Diabetes MBS procedures	0 "No"; 1 "Yes"
249		mbsdate_dia	DATE9: Date of first MBS Diabetes procedure	
250		mbsstr_dia	CHAR100: String of all MBS codes for Diabetes procedures	MBS item codes
251		xpbs_dia	NUM: PBS Diabetes medication	0 "No"; 1 "Yes"
252		prescdate_dia	DATE9: Date of first PBS Diabetes medication prescription	
253		pbsdate_dia	DATE9: Date of first PBS Diabetes medication supply	
254		atcpbs_dia	CHAR100: String of all PBS Diabetes medications	ATC codes
255		xhosp_dia	NUM: Diabetes Hospital admissions ICD code	0 "No"; 1 "Yes"
256		hospdate_dia	DATE9: Date of first Hospital admissions Diabetes ICD code	
257		hospdx_dia	CHAR200: String of all Hospital admissions Diabetes ICD codes	ICD codes
258		hospstate_dia	CHAR4: State of first Hospital admissions Diabetes ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
259		xhed_dia	NUM: Diabetes Hospital emergency ICD code	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
260		heddate_dia	DATE9: Date of first Hospital emergency Diabetes ICD code	
261		heddx_dia	CHAR2000: String of all Hospital emergency Diabetes ICD codes	ICD codes
262		hedstate_dia	CHAR4: Date of first Hospital emergency Diabetes ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
263		xacap_dia	NUM: ACAP Diabetes health conditions	0 "No"; 1 "Yes"
264		acapdate_dia	DATE9: Date of first ACAP Diabetes health condition	
265		acapdx_dia	CHAR20: String of all ACAP Diabetes health conditions	ACAP health condition codes
266		xacfi_dia	NUM: ACFI Diabetes health conditions	0 "No"; 1 "Yes"
267		acfidate_dia	DATE9: Date of first ACFI Diabetes health condition	
268		acfidx_dia	CHAR20: String of all ACFI Diabetes health conditions	ACAP health condition codes
269		xacns_dia	NUM: NSAF Diabetes health conditions	0 "No"; 1 "Yes"
270		nsafdate_dia	DATE9: Date of first NSAF Diabetes health condition	
271		nsafdx_dia	CHAR20: String of all NSAF Diabetes health conditions	ACAP health condition codes
272		Eating Disorders	xin_edi	NUM: In Eating Disorder CCMS dataset
273	firstdate_edi		DATE9: First date Eating Disorder reported from any source	
274	nsources_edi		NUM: Number of sources reporting Eating Disorder (max 4)	
275	pattern_edi		CHAR20: pattern of selection sources for Eating Disorder	Letter from "Code" column
276	xcod_edi		NUM: Eating Disorder ANY COD	0 "No"; 1 "Yes"
277	ucod_edi		NUM: Eating Disorder underlying COD	0 "No"; 1 "Yes"
278	ocod_edi		NUM: Eating Disorder other COD	0 "No"; 1 "Yes"
279	coddx_edi		CHAR60: String of all selection Eating Disorder COD diagnoses	ICD codes
280	xwhsr_edi		NUM: Eating Disorder ALSWH survey question	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
281		srsurvey_edi	NUM: Survey for first ALSWH survey Eating Disorder question	
282		srdate_edi	DATE9: Date for first ALSWH Eating Disorder survey question	
283		srqnr_edi	NUM: Question number for first ALSWH survey Eating Disorder question	
284		xwhtext_edi	NUM: Eating Disorder ALSWH survey text response	0 "No"; 1 "Yes"
285		textsurvey_edi	NUM: Survey for first ALSWH Eating Disorder text response	
286		textdate_edi	DATE9: Date of first ALSWH text Eating Disorder response	
287		textqnr_edi	NUM: Question number for first ALSWH text Eating Disorder response	
288		xwhcomm_edi	NUM: Eating Disorder ALSWH survey comment	0 "No"; 1 "Yes"
289		commsurvey_edi	NUM: Survey for first ALSWH Eating Disorder comment	
290		commdate_edi	DATE9: Date of first ALSWH Eating Disorder comment	
291		xwhprox_edi	NUM: Eating Disorder ALSWH survey proxy statement	0 "No"; 1 "Yes"
292		proxsurvey_edi	NUM: Survey for first ALSWH Eating Disorder proxy statement	
293		proxdate_edi	DATE9: Date of first ALSWH Eating Disorder proxy statement	
294		xwhwdraw_edi	NUM: Eating Disorder ALSWH withdrawal	0 "No"; 1 "Yes"
295		datewdraw_edi	DATE9: Date of ALSWH Eating Disorder withdrawal	
296		xmbs_edi	NUM: Eating Disorder MBS procedures	0 "No"; 1 "Yes"
297		mbsdate_edi	DATE9: Date of first MBS Eating Disorder procedure	
298		mbsstr_edi	CHAR100: String of all MBS codes for Eating Disorder procedures	MBS item codes
299		xhosp_edi	NUM: Eating Disorder Hospital admissions ICD code	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
300		hosptime_edi	DATE9: Date of first Hospital admissions Eating Disorder ICD code	
301		hosptdx_edi	CHAR200: String of all Hospital admissions Eating Disorder ICD codes	ICD codes
302		hosptstate_edi	CHAR4: State of first Hospital admissions Eating Disorder ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
303		xhed_edi	NUM: Eating Disorder Hospital emergency ICD code	0 "No"; 1 "Yes"
304		heddate_edi	DATE9: Date of first Hospital emergency Eating Disorder ICD code	
305		heddx_edi	CHAR2000: String of all Hospital emergency Eating Disorder ICD codes	ICD codes
306		hedstate_edi	CHAR4: Date of first Hospital emergency Eating Disorder ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
307	Fibroids	xin_fib	NUM: In Fibroids CCMS dataset	0 "No"; 1 "Yes"
308		firstdate_fib	DATE9: First date Fibroids reported from any source	
309		nsources_fib	NUM: Number of sources reporting Fibroids (max 4)	
310		pattern_fib	CHAR20: pattern of selection sources for Fibroids	Letter from "Code" column
311		xcod_fib	NUM: Fibroids ANY COD	0 "No"; 1 "Yes"
312		ucod_fib	NUM: Fibroids underlying COD	0 "No"; 1 "Yes"
313		ocod_fib	NUM: Fibroids other COD	0 "No"; 1 "Yes"
314		coddx_fib	CHAR60: String of all selection Fibroids COD diagnoses	ICD codes
315		xwhsr_fib	NUM: Fibroids ALSWH survey question	0 "No"; 1 "Yes"
316		srsurvey_fib	NUM: Survey for first ALSWH survey Fibroids question	
317		srdate_fib	DATE9: Date for first ALSWH Fibroids survey question	
318		srqnr_fib	NUM: Question number for first ALSWH survey Fibroids question	
319		xwhtext_fib	NUM: Fibroids ALSWH survey text response	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
320		textsurvey_fib	NUM: Survey for first ALSWH Fibroids text response	
321		textdate_fib	DATE9: Date of first ALSWH text Fibroids response	
322		textqnr_fib	NUM: Question number for first ALSWH text Fibroids response	
323		xwhmed_fib	NUM: Fibroids ALSWH survey medication	0 "No"; 1 "Yes"
324		medsurvey_fib	NUM: Survey for first ALSWH Fibroids medication	
325		meddate_fib	DATE9: Date of first ALSWH survey Fibroids medication	
326		atcmed_fib	CHAR100: String of all ALSWH survey Fibroids medications	ATC codes
327		xwhcomm_fib	NUM: Fibroids ALSWH survey comment	0 "No"; 1 "Yes"
328		commsurvey_fib	NUM: Survey for first ALSWH Fibroids comment	
329		commdate_fib	DATE9: Date of first ALSWH Fibroids comment	
330		xwhprox_fib	NUM: Fibroids ALSWH survey proxy statement	0 "No"; 1 "Yes"
331		proxsurvey_fib	NUM: Survey for first ALSWH Fibroids proxy statement	
332		proxdate_fib	DATE9: Date of first ALSWH Fibroids proxy statement	
333		xwhdraw_fib	NUM: Fibroids ALSWH withdrawal	0 "No"; 1 "Yes"
334		datewdraw_fib	DATE9: Date of ALSWH Fibroids withdrawal	
335		xmbs_fib	NUM: Fibroids MBS procedures	0 "No"; 1 "Yes"
336		mbsdate_fib	DATE9: Date of first MBS Fibroids procedure	
337		mbsstr_fib	CHAR100: String of all MBS codes for Fibroids procedures	MBS item codes
338		xpbs_fib	NUM: PBS Fibroids medication	0 "No"; 1 "Yes"
339		prescdate_fib	DATE9: Date of first PBS Fibroids medication prescription	
340		pbsdate_fib	DATE9: Date of first PBS Fibroids medication supply	
341		atcpbs_fib	CHAR100: String of all PBS Fibroids medications	ATC codes

#	Group	Variable	Details	Codes
342		xhosp_fib	NUM: Fibroids Hospital admissions ICD code	0 "No"; 1 "Yes"
343		hospsdate_fib	DATE9: Date of first Hospital admissions Fibroids ICD code	
344		hospsdx_fib	CHAR200: String of all Hospital admissions Fibroids ICD codes	ICD codes
345		hospsstate_fib	CHAR4: State of first Hospital admissions Fibroids ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
346		xhed_fib	NUM: Fibroids Hospital emergency ICD code	0 "No"; 1 "Yes"
347		heddate_fib	DATE9: Date of first Hospital emergency Fibroids ICD code	
348		heddx_fib	CHAR2000: String of all Hospital emergency Fibroids ICD codes	ICD codes
349		hedstate_fib	CHAR4: Date of first Hospital emergency Fibroids ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
350		Hypertension	xin_hyp	NUM: In Hypertension CCMS dataset
351	firstdate_hyp		DATE9: First date Hypertension reported from any source	
352	nsources_hyp		NUM: Number of sources reporting Hypertension (max 5)	
353	pattern_hyp		CHAR20: pattern of selection sources for Hypertension	Letter from "Code" column
354	xcod_hyp		NUM: Hypertension ANY COD	0 "No"; 1 "Yes"
355	ucod_hyp		NUM: Hypertension underlying COD	0 "No"; 1 "Yes"
356	ocod_hyp		NUM: Hypertension other COD	0 "No"; 1 "Yes"
357	coddx_hyp		CHAR60: String of all selection Hypertension COD diagnoses	ICD codes
358	xwhsr_hyp		NUM: Hypertension ALSWH survey question	0 "No"; 1 "Yes"
359	srsurvey_hyp		NUM: Survey for first ALSWH survey Hypertension question	
360	srdate_hyp		DATE9: Date for first ALSWH Hypertension survey question	

#	Group	Variable	Details	Codes
361		srqnr_hyp	NUM: Question number for first ALSWH survey Hypertension question	
362		xwhtext_hyp	NUM: Hypertension ALSWH survey text response	0 "No"; 1 "Yes"
363		textsurvey_hyp	NUM: Survey for first ALSWH Hypertension text response	
364		textdate_hyp	DATE9: Date of first ALSWH text Hypertension response	
365		textqnr_hyp	NUM: Question number for first ALSWH text Hypertension response	
366		xwhmed_hyp	NUM: Hypertension ALSWH survey medication	0 "No"; 1 "Yes"
367		medsurvey_hyp	NUM: Survey for first ALSWH Hypertension medication	
368		meddate_hyp	DATE9: Date of first ALSWH survey Hypertension medication	
369		atcmed_hyp	CHAR100: String of all ALSWH survey Hypertension medications	ATC codes
370		xwhcomm_hyp	NUM: Hypertension ALSWH survey comment	0 "No"; 1 "Yes"
371		commsurvey_hyp	NUM: Survey for first ALSWH Hypertension comment	
372		commdate_hyp	DATE9: Date of first ALSWH Hypertension comment	
373		xwhprox_hyp	NUM: Hypertension ALSWH survey proxy statement	0 "No"; 1 "Yes"
374		proxsurvey_hyp	NUM: Survey for first ALSWH Hypertension proxy statement	
375		proxdate_hyp	DATE9: Date of first ALSWH Hypertension proxy statement	
376		xwhdraw_hyp	NUM: Hypertension ALSWH withdrawal	0 "No"; 1 "Yes"
377		datewdraw_hyp	DATE9: Date of ALSWH Hypertension withdrawal	
378		xpbs_hyp	NUM: PBS Hypertension medication	0 "No"; 1 "Yes"
379		prescdate_hyp	DATE9: Date of first PBS Hypertension medication prescription	



#	Group	Variable	Details	Codes
380		pbsdate_hyp	DATE9: Date of first PBS Hypertension medication supply	
381		atcpbs_hyp	CHAR100: String of all PBS Hypertension medications	ATC codes
382		xhosp_hyp	NUM: Hypertension Hospital admissions ICD code	0 "No"; 1 "Yes"
383		hospdate_hyp	DATE9: Date of first Hospital admissions Hypertension ICD code	
384		hospdx_hyp	CHAR200: String of all Hospital admissions Hypertension ICD codes	ICD codes
385		hospstate_hyp	CHAR4: State of first Hospital admissions Hypertension ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
386		xhed_hyp	NUM: Hypertension Hospital emergency ICD code	0 "No"; 1 "Yes"
387		heddate_hyp	DATE9: Date of first Hospital emergency Hypertension ICD code	
388		heddx_hyp	CHAR2000: String of all Hospital emergency Hypertension ICD codes	ICD codes
389		hedstate_hyp	CHAR4: Date of first Hospital emergency Hypertension ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
390		xacap_hyp	NUM: ACAP Hypertension health conditions	0 "No"; 1 "Yes"
391		acapdate_hyp	DATE9: Date of first ACAP Hypertension health condition	
392		acapdx_hyp	CHAR20: String of all ACAP Hypertension health conditions	ACAP health condition codes
393		xacfi_hyp	NUM: ACFI Hypertension health conditions	0 "No"; 1 "Yes"
394		acfidate_hyp	DATE9: Date of first ACFI Hypertension health condition	
395		acfidx_hyp	CHAR20: String of all ACFI Hypertension health conditions	ACAP health condition codes
396		xacns_hyp	NUM: NSAF Hypertension health conditions	0 "No"; 1 "Yes"
397		nsafdate_hyp	DATE9: Date of first NSAF Hypertension health condition	

#	Group	Variable	Details	Codes
398		nsafdx_hyp	CHAR20: String of all NSAF Hypertension health conditions	ACAP health condition codes
399	Ischaemic Heart Disease	xin_ihd	NUM: In Ischaemic Heart Disease CCMS dataset	0 "No"; 1 "Yes"
400		firstdate_ihd	DATE9: First date Ischaemic Heart Disease reported from any source	
401		nsources_ihd	NUM: Number of sources reporting Ischaemic Heart Disease (max 6)	
402		pattern_ihd	CHAR20: pattern of selection sources for Ischaemic Heart Disease	Letter from "Code" column
403		xcod_ihd	NUM: Ischaemic Heart Disease ANY COD	0 "No"; 1 "Yes"
404		ucod_ihd	NUM: Ischaemic Heart Disease underlying COD	0 "No"; 1 "Yes"
405		ocod_ihd	NUM: Ischaemic Heart Disease other COD	0 "No"; 1 "Yes"
406		coddx_ihd	CHAR60: String of all selection Ischaemic Heart Disease COD diagnoses	ICD codes
407		xwhsr_ihd	NUM: Ischaemic Heart Disease ALSWH survey question	0 "No"; 1 "Yes"
408		srsurvey_ihd	NUM: Survey for first ALSWH survey Ischaemic Heart Disease question	
409		srdate_ihd	DATE9: Date for first ALSWH Ischaemic Heart Disease survey question	
410		srqnr_ihd	NUM: Question number for first ALSWH survey Ischaemic Heart Disease question	
411		xwhtext_ihd	NUM: Ischaemic Heart Disease ALSWH survey text response	0 "No"; 1 "Yes"
412		textsurvey_ihd	NUM: Survey for first ALSWH Ischaemic Heart Disease text response	
413		textdate_ihd	DATE9: Date of first ALSWH text Ischaemic Heart Disease response	
414		textqnr_ihd	NUM: Question number for first ALSWH text Ischaemic Heart Disease response	
415		xwhmed_ihd	NUM: Ischaemic Heart Disease ALSWH survey medication	0 "No"; 1 "Yes"

#	Group	Variable	Details	Codes
416		medsurvey_ihd	NUM: Survey for first ALSWH Ischaemic Heart Disease medication	
417		meddate_ihd	DATE9: Date of first ALSWH survey Ischaemic Heart Disease medication	
418		atcmed_ihd	CHAR100: String of all ALSWH survey Ischaemic Heart Disease medications	ATC codes
419		xwhcomm_ihd	NUM: Ischaemic Heart Disease ALSWH survey comment	0 "No"; 1 "Yes"
420		commsurvey_ihd	NUM: Survey for first ALSWH Ischaemic Heart Disease comment	
421		commdate_ihd	DATE9: Date of first ALSWH Ischaemic Heart Disease comment	
422		xwhprox_ihd	NUM: Ischaemic Heart Disease ALSWH survey proxy statement	0 "No"; 1 "Yes"
423		proxsurvey_ihd	NUM: Survey for first ALSWH Ischaemic Heart Disease proxy statement	
424		proxdate_ihd	DATE9: Date of first ALSWH Ischaemic Heart Disease proxy statement	
425		xwhdraw_ihd	NUM: Ischaemic Heart Disease ALSWH withdrawal	0 "No"; 1 "Yes"
426		datewdraw_ihd	DATE9: Date of ALSWH Ischaemic Heart Disease withdrawal	
427		xmbs_ihd	NUM: Ischaemic Heart Disease MBS procedures	0 "No"; 1 "Yes"
428		mbsdate_ihd	DATE9: Date of first MBS Ischaemic Heart Disease procedure	
429		mbsstr_ihd	CHAR100: String of all MBS codes for Ischaemic Heart Disease procedures	MBS item codes
430		xpbs_ihd	NUM: PBS Ischaemic Heart Disease medication	0 "No"; 1 "Yes"
431		prescdate_ihd	DATE9: Date of first PBS Ischaemic Heart Disease medication prescription	
432		pbsdate_ihd	DATE9: Date of first PBS Ischaemic Heart Disease medication supply	
433		atcpbs_ihd	CHAR100: String of all PBS Ischaemic Heart Disease medications	ATC codes

#	Group	Variable	Details	Codes
434		xhosp_ihd	NUM: Ischaemic Heart Disease Hospital admissions ICD code	0 "No"; 1 "Yes"
435		hospdate_ihd	DATE9: Date of first Hospital admissions Ischaemic Heart Disease ICD code	
436		hospdx_ihd	CHAR200: String of all Hospital admissions Ischaemic Heart Disease ICD codes	ICD codes
437		hospstate_ihd	CHAR4: State of first Hospital admissions Ischaemic Heart Disease ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
438		xhed_ihd	NUM: Ischaemic Heart Disease Hospital emergency ICD code	0 "No"; 1 "Yes"
439		heddate_ihd	DATE9: Date of first Hospital emergency Ischaemic Heart Disease ICD code	
440		heddx_ihd	CHAR2000: String of all Hospital emergency Ischaemic Heart Disease ICD codes	ICD codes
441		hedstate_ihd	CHAR4: Date of first Hospital emergency Ischaemic Heart Disease ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
442		xacap_ihd	NUM: ACAP Ischaemic Heart Disease health conditions	0 "No"; 1 "Yes"
443		acapdate_ihd	DATE9: Date of first ACAP Ischaemic Heart Disease health condition	
444		acapdx_ihd	CHAR20: String of all ACAP Ischaemic Heart Disease health conditions	ACAP health condition codes
445		xacfi_ihd	NUM: ACFI Ischaemic Heart Disease health conditions	0 "No"; 1 "Yes"
446		acfidate_ihd	DATE9: Date of first ACFI Ischaemic Heart Disease health condition	
447		acfidx_ihd	CHAR20: String of all ACFI Ischaemic Heart Disease health conditions	ACAP health condition codes
448		xacns_ihd	NUM: NSAF Ischaemic Heart Disease health conditions	0 "No"; 1 "Yes"
449		nsafdate_ihd	DATE9: Date of first NSAF Ischaemic Heart Disease health condition	

#	Group	Variable	Details	Codes
450		nsafdx_ihd	CHAR20: String of all NSAF Ischaemic Heart Disease health conditions	ACAP health condition codes
451	Mental Health Conditions: Depression, Anxiety	xin_mnt	NUM: In Depression/Anxiety CCMS dataset	0 "No"; 1 "Yes"
452		firstdate_mnt	DATE9: First date Depression/Anxiety reported from any source	
453		nsources_mnt	NUM: Number of sources reporting Depression/Anxiety (max 5)	
454		pattern_mnt	CHAR20: pattern of selection sources for Depression/Anxiety	Letter from "Code" column
455		xcod_mnt	NUM: Depression/Anxiety ANY COD	0 "No"; 1 "Yes"
456		ucod_mnt	NUM: Depression/Anxiety underlying COD	0 "No"; 1 "Yes"
457		ocod_mnt	NUM: Depression/Anxiety other COD	0 "No"; 1 "Yes"
458		coddx_mnt	CHAR60: String of all selection Depression/Anxiety COD diagnoses	ICD codes
459		xwhsr_mnt	NUM: Depression/Anxiety ALSWH survey question	0 "No"; 1 "Yes"
460		srsurvey_mnt	NUM: Survey for first ALSWH survey Depression/Anxiety question	
461		srdate_mnt	DATE9: Date for first ALSWH Depression/Anxiety survey question	
462		srqnr_mnt	NUM: Question number for first ALSWH survey Depression/Anxiety question	
463		srscale_mnt	CHAR500: String of all ALSWH survey scales beyond cutoffs	
464		depndx_mnt	NUM: Diagnosed depression on ALSWH survey question	0 "No"; 1 "Yes"
465		depsurvey_mnt	NUM: Survey for first ALSWH survey diagnosed depression question	
466		deptime_mnt	DATE9: Date for first ALSWH diagnosed depression survey question	

#	Group	Variable	Details	Codes
467		depqnr_mnt	NUM: Question number for first ALSWH survey diagnosed depression question	
468		anxdx_mnt	NUM: Diagnosed anxiety on ALSWH survey question	0 "No"; 1 "Yes"
469		anxsurvey_mnt	NUM: Survey for first ALSWH survey diagnosed anxiety question	
470		anxdate_mnt	DATE9: Date for first ALSWH diagnosed anxiety survey question	
471		anxqnr_mnt	NUM: Question number for first ALSWH survey diagnosed anxiety question	
472		xwhtext_mnt	NUM: Depression/Anxiety ALSWH survey text response	0 "No"; 1 "Yes"
473		textsurvey_mnt	NUM: Survey for first ALSWH Depression/Anxiety text response	
474		textdate_mnt	DATE9: Date of first ALSWH text Depression/Anxiety response	
475		textqnr_mnt	NUM: Question number for first ALSWH text Depression/Anxiety response	
476		xwhmed_mnt	NUM: Depression/Anxiety ALSWH survey medication	0 "No"; 1 "Yes"
477		medsurvey_mnt	NUM: Survey for first ALSWH Depression/Anxiety medication	
478		meddate_mnt	DATE9: Date of first ALSWH survey Depression/Anxiety medication	
479		atcmed_mnt	CHAR100: String of all ALSWH survey Depression/Anxiety medications	ATC codes
480		xwhcomm_mnt	NUM: Depression/Anxiety ALSWH survey comment	0 "No"; 1 "Yes"
481		commsurvey_mnt	NUM: Survey for first ALSWH Depression/Anxiety comment	
482		commdate_mnt	DATE9: Date of first ALSWH Depression/Anxiety comment	

#	Group	Variable	Details	Codes
483		xwhprox_mnt	NUM: Depression/Anxiety ALSWH survey proxy statement	0 "No"; 1 "Yes"
484		proxsurvey_mnt	NUM: Survey for first ALSWH Depression/Anxiety proxy statement	
485		proxdate_mnt	DATE9: Date of first ALSWH Depression/Anxiety proxy statement	
486		xwhdraw_mnt	NUM: Depression/Anxiety ALSWH withdrawal	0 "No"; 1 "Yes"
487		datewdraw_mnt	DATE9: Date of ALSWH Depression/Anxiety withdrawal	
488		xpbs_mnt	NUM: PBS Depression/Anxiety medication	0 "No"; 1 "Yes"
489		prescdate_mnt	DATE9: Date of first PBS Depression/Anxiety medication prescription	
490		pbsdate_mnt	DATE9: Date of first PBS Depression/Anxiety medication supply	
491		atcpbs_mnt	CHAR100: String of all PBS Depression/Anxiety medications	ATC codes
492		xhosp_mnt	NUM: Depression/Anxiety Hospital admissions ICD code	0 "No"; 1 "Yes"
493		hospdate_mnt	DATE9: Date of first Hospital admissions Depression/Anxiety ICD code	
494		hospdx_mnt	CHAR200: String of all Hospital admissions Depression/Anxiety ICD codes	ICD codes
495		hospstate_mnt	CHAR4: State of first Hospital admissions Depression/Anxiety ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
496		xhed_mnt	NUM: Depression/Anxiety Hospital emergency ICD code	0 "No"; 1 "Yes"
497		heddate_mnt	DATE9: Date of first Hospital emergency Depression/Anxiety ICD code	

#	Group	Variable	Details	Codes
498		heddx_mnt	CHAR2000: String of all Hospital emergency Depression/Anxiety ICD codes	ICD codes
499		hedstate_mnt	CHAR4: Date of first Hospital emergency Depression/Anxiety ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
500		xacap_mnt	NUM: ACAP Depression/Anxiety health conditions	0 "No"; 1 "Yes"
501		acapdate_mnt	DATE9: Date of first ACAP Depression/Anxiety health condition	
502		acapdx_mnt	CHAR20: String of all ACAP Depression/Anxiety health conditions	ACAP health condition codes
503		xacfi_mnt	NUM: ACFI Depression/Anxiety health conditions	0 "No"; 1 "Yes"
504		acfidate_mnt	DATE9: Date of first ACFI Depression/Anxiety health condition	
505		acfidx_mnt	CHAR20: String of all ACFI Depression/Anxiety health conditions	ACAP health condition codes
506		xacns_mnt	NUM: NSAF Depression/Anxiety health conditions	0 "No"; 1 "Yes"
507		nsafdate_mnt	DATE9: Date of first NSAF Depression/Anxiety health condition	
508	nsafdx_mnt	CHAR20: String of all NSAF Depression/Anxiety health conditions	ACAP health condition codes	
509	Musculoskeletal conditions	xin_msk	NUM: In Musculoskeletal conditions CCMS dataset	0 "No"; 1 "Yes"
510		firstdate_msk	DATE9: First date Musculoskeletal reported from any source	
511		nsources_msk	NUM: Number of sources reporting Musculoskeletal (max 5)	
512		pattern_msk	CHAR20: pattern of selection sources for Musculoskeletal	Letter from "Code" column
513		xcod_msk	NUM: Musculoskeletal ANY COD	0 "No"; 1 "Yes"
514		ucod_msk	NUM: Musculoskeletal underlying COD	0 "No"; 1 "Yes"
515		ocod_msk	NUM: Musculoskeletal other COD	0 "No"; 1 "Yes"



#	Group	Variable	Details	Codes
516		coddx_msk	CHAR60: String of all selection Musculoskeletal COD diagnoses	ICD codes
517		xwhsr_msk	NUM: Musculoskeletal ALSWH survey question	0 "No"; 1 "Yes"
518		srsurvey_msk	NUM: Survey for first ALSWH survey Musculoskeletal question	
519		srdate_msk	DATE9: Date for first ALSWH Musculoskeletal survey question	
520		srqnr_msk	NUM: Question number for first ALSWH survey Musculoskeletal question	
521		xwhtext_msk	NUM: Musculoskeletal ALSWH survey text response	0 "No"; 1 "Yes"
522		textsurvey_msk	NUM: Survey for first ALSWH Musculoskeletal text response	
523		textdate_msk	DATE9: Date of first ALSWH text Musculoskeletal response	
524		textqnr_msk	NUM: Question number for first ALSWH text Musculoskeletal response	
525		xwhmed_msk	NUM: Musculoskeletal ALSWH survey medication	0 "No"; 1 "Yes"
526		medsurvey_msk	NUM: Survey for first ALSWH Musculoskeletal medication	
527		meddate_msk	DATE9: Date of first ALSWH survey Musculoskeletal medication	
528		atcmed_msk	CHAR100: String of all ALSWH survey Musculoskeletal medications	ATC codes
529		xwhcomm_msk	NUM: Musculoskeletal ALSWH survey comment	0 "No"; 1 "Yes"
530		commsurvey_msk	NUM: Survey for first ALSWH Musculoskeletal comment	
531		commdate_msk	DATE9: Date of first ALSWH Musculoskeletal comment	
532		xwhprox_msk	NUM: Musculoskeletal ALSWH survey proxy statement	0 "No"; 1 "Yes"
533		proxsurvey_msk	NUM: Survey for first ALSWH Musculoskeletal proxy statement	

#	Group	Variable	Details	Codes
534		proxdate_msk	DATE9: Date of first ALSWH Musculoskeletal proxy statement	
535		xwhwdraw_msk	NUM: Musculoskeletal ALSWH withdrawal	0 "No"; 1 "Yes"
536		datewdraw_msk	DATE9: Date of ALSWH Musculoskeletal withdrawal	
537		xpbs_msk	NUM: PBS Musculoskeletal medication	0 "No"; 1 "Yes"
538		prescdate_msk	DATE9: Date of first PBS Musculoskeletal medication prescription	
539		pbsdate_msk	DATE9: Date of first PBS Musculoskeletal medication supply	
540		atcpbs_msk	CHAR100: String of all PBS Musculoskeletal medications	ATC codes
541		xhosp_msk	NUM: Musculoskeletal Hospital admissions ICD code	0 "No"; 1 "Yes"
542		hospdate_msk	DATE9: Date of first Hospital admissions Musculoskeletal ICD code	
543		hospdx_msk	CHAR200: String of all Hospital admissions Musculoskeletal ICD codes	ICD codes
544		hospstate_msk	CHAR4: State of first Hospital admissions Musculoskeletal ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
545		xhed_msk	NUM: Musculoskeletal Hospital emergency ICD code	0 "No"; 1 "Yes"
546		heddate_msk	DATE9: Date of first Hospital emergency Musculoskeletal ICD code	
547		heddx_msk	CHAR2000: String of all Hospital emergency Musculoskeletal ICD codes	ICD codes
548		hedstate_msk	CHAR4: Date of first Hospital emergency Musculoskeletal ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
549		xacap_msk	NUM: ACAP Musculoskeletal health conditions	0 "No"; 1 "Yes"
550		acapdate_msk	DATE9: Date of first ACAP Musculoskeletal health condition	
551		acapdx_msk	CHAR20: String of all ACAP Musculoskeletal health conditions	ACAP health condition codes

#	Group	Variable	Details	Codes
552		xacfi_msk	NUM: ACFI Musculoskeletal health conditions	0 "No"; 1 "Yes"
553		acfidate_msk	DATE9: Date of first ACFI Musculoskeletal health condition	
554		acfidx_msk	CHAR20: String of all ACFI Musculoskeletal health conditions	ACAP health condition codes
555		xacns_msk	NUM: NSAF Musculoskeletal health conditions	0 "No"; 1 "Yes"
556		nsafdate_msk	DATE9: Date of first NSAF Musculoskeletal health condition	
557		nsafdx_msk	CHAR20: String of all NSAF Musculoskeletal health conditions	ACAP health condition codes
558	Stroke	xin_str	NUM: In all_stroke dataset	0 "No"; 1 "Yes"
559		firstdate_str	DATE9: First date Stroke reported from any source	
560		nsources_str	NUM: Number of sources reporting Stroke (max 4)	
561		pattern_str	CHAR20: pattern of selection sources for Stroke	Letter from "Code" column
562		xcod_str	NUM: Stroke ANY COD	0 "No"; 1 "Yes"
563		ucod_str	NUM: Stroke underlying COD	0 "No"; 1 "Yes"
564		ocod_str	NUM: Stroke other COD	0 "No"; 1 "Yes"
565		coddx_str	CHAR60: String of all selection Stroke COD diagnoses	ICD codes
566		xwhsr_str	NUM: Stroke ALSWH survey question	0 "No"; 1 "Yes"
567		srsurvey_str	NUM: Survey for first ALSWH survey Stroke question	
568		srdate_str	DATE9: Date for first ALSWH Stroke survey question	
569		srqnr_str	NUM: Question number for first ALSWH survey Stroke question	
570		xwhstxt_str	NUM: Stroke ALSWH survey text response	0 "No"; 1 "Yes"
571		textsurvey_str	NUM: Survey for first ALSWH Stroke text response	
572		textdate_str	DATE9: Date of first ALSWH text Stroke response	

#	Group	Variable	Details	Codes
573		textqnr_str	NUM: Question number for first ALSWH text Stroke response	
574		xwhcomm_str	NUM: Stroke ALSWH survey comment	0 "No"; 1 "Yes"
575		commsurvey_str	NUM: Survey for first ALSWH Stroke comment	
576		commdate_str	DATE9: Date of first ALSWH Stroke comment	
577		xwhprox_str	NUM: Stroke ALSWH survey proxy statement	0 "No"; 1 "Yes"
578		proxsurvey_str	NUM: Survey for first ALSWH Stroke proxy statement	
579		proxdate_str	DATE9: Date of first ALSWH Stroke proxy statement	
580		xwhdraw_str	NUM: Stroke ALSWH withdrawal	0 "No"; 1 "Yes"
581		datewdraw_str	DATE9: Date of ALSWH Stroke withdrawal	
582		xhosp_str	NUM: Stroke Hospital admissions ICD code	0 "No"; 1 "Yes"
583		hospdate_str	DATE9: Date of first Hospital admissions Stroke ICD code	
584		hosidx_str	CHAR200: String of all Hospital admissions Stroke ICD codes	ICD codes
585		hospstate_str	CHAR4: State of first Hospital admissions Stroke ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
586		xhed_str	NUM: Stroke Hospital emergency ICD code	0 "No"; 1 "Yes"
587		heddate_str	DATE9: Date of first Hospital emergency Stroke ICD code	
588		heddx_str	CHAR2000: String of all Hospital emergency Stroke ICD codes	ICD codes
589		hedstate_str	CHAR4: Date of first Hospital emergency Stroke ICD code	"ACT"; "NSW"; "NT"; "QLD"; "SA"; "TAS"; "VIC"; "WA"
590		xacap_str	NUM: ACAP Stroke health conditions	0 "No"; 1 "Yes"
591		acapdate_str	DATE9: Date of first ACAP Stroke health condition	
592		acapdx_str	CHAR20: String of all ACAP Stroke health conditions	ACAP health condition codes
593		xacfi_str	NUM: ACFI Stroke health conditions	0 "No"; 1 "Yes"
594		acfidate_str	DATE9: Date of first ACFI Stroke health condition	

#	Group	Variable	Details	Codes
595		acfidx_str	CHAR20: String of all ACFI Stroke health conditions	ACAP health condition codes
596		xacns_str	NUM: NSAF Stroke health conditions	0 "No"; 1 "Yes"
597		nsafdate_str	DATE9: Date of first NSAF Stroke health condition	
598		nsafdx_str	CHAR20: String of all NSAF Stroke health conditions	ACAP health condition codes