

LTU Research (Library)

Medicare–Local Collection (Bendigo) (MODS02)

Description of collection and Guidelines for analysing it

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CHAPTER 1. INPUT CONVENTIONS

Convention	Description
screen	Monospace fonts show values (for example, of file-name references)
boldface	Boldface text indicates key terms
<i>italics</i>	Italic text indicates a system variable.
→	→ indicates a process.

Table 1.1: Conventions

The collection contained herewith is one of the outputs of a project funded by the **Australian National Data Service (ANDS)** as one of the **Major Open Data Collections (MODC)** funded nationally for partner institutions to publish nationally and internationally significant datasets, as fully open data.

La Trobe University Library (LTU-Lib) partnered with our Health Sciences Faculty (**LTU-HS**) to procure data sets from two Victorian regional health service providers in 2014/15 – **Loddon Mallee Murray Medicare Local (LMMML)** and **Bendigo Health Hospital (BHH)** – and from these created publically available, healthy communities data collections for research purposes. The data from **BHH** covers patient data for the years 2005-2014 and the data from **LMMML** covers patient–episode data for episodes between April and December of 2013, including associated historical, per-patient diagnosis information for each patient–episode.

The intent was to join the two main data-sets procured from **BHH** and **LMMML** data sets and to also link to data from other sources (**Australian Bureau of Statistics (ABS)**, **Australian Institute of Health and Welfare (AIHW)**) to produce a single, unified collection – as depicted in Figure 2.1. Constraints of time under conditions of having to be meet ethical requirements meant that the **LMMML** and **BHH** data could not be joined. As a result, the data-sets have had to be published as separate collections; one covering the **BHH** data, the other – described in this document – covering the **LMMML** data.

Despite not being able to combine **BHH** and **LMMML** data-sets, each *have* been combined with other data to enrich what is available to researchers for querying on. **LMMML** data records include **MedicareLocal+SLA** (= ‘**ABS_id**’) codes and these have been linked to **ABS**–socio-economic data, as depicted in Fig. 2.2. Processes required for processing and combining the raw data sets into their publishable end-points have also been scripted, thereby easing the future task of combining **BHH** and **LMMML** data-sets.

To meet anonymisation requirements, certain potentially identifying fields were dropped and data was filtered by age (Year-Of-Birth between 1925 – 2005) and sex (Male or Female). Date–fields and categories for **Measurement**, **Diagnosis**, **Medication** and **Location** data were then aggregated to coarser-grained categories and aggregate-counts calculated for each value of each of these coarser-grained (or ‘super-’)categories of patient data. Category–values for “low”–aggregate (super–)category-values (< 50 records) were then deleted *along with associated patient records*.

Content is arranged as follows:

Chapter 3 details the main entities and relationships comprising the collection and provides information about the file-/table-names of published tables along with their record–counts.

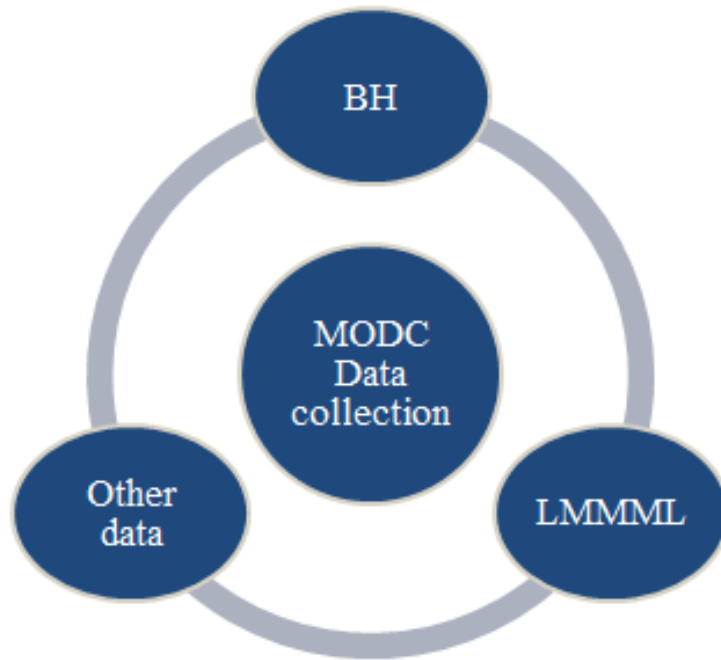
Chapter 4 lists the contents of all look-up tables present in the **LMMML** database collection, including **Patient** record counts grouped by category-values.

Chapter 5 gives an overview of the steps taken to process the raw data.

Appendix A details table column definitions for all columns in all tables in the **LMMML** collection

Appendix B details **Patient** record-counts grouped by **Location**.

Appendix C provides an example query run against the database, along with generated output.



*Curate & identify connections
between disparate data sets.*

Figure 2.1: Model for MODC Data Collection

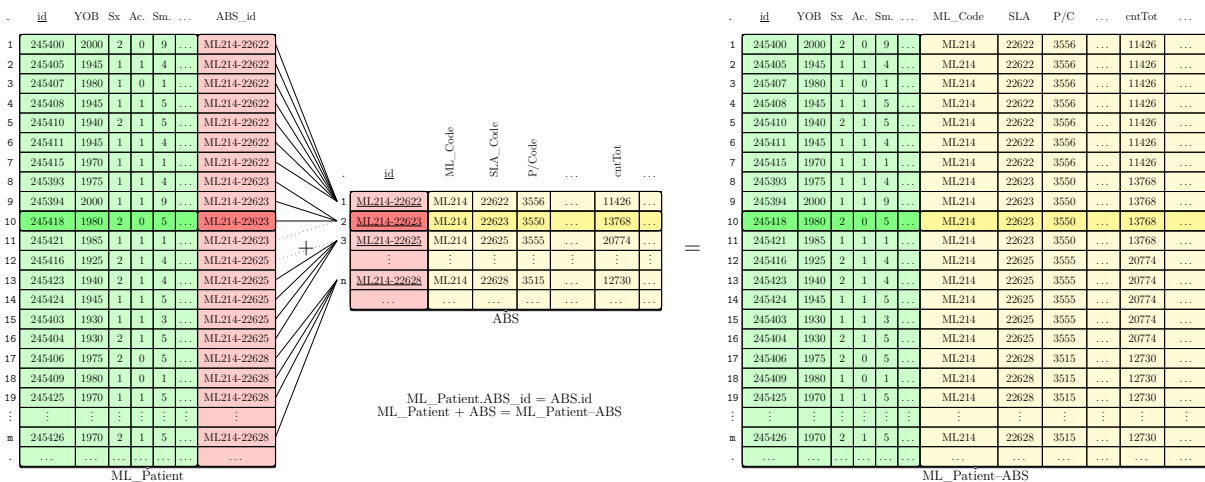


Figure 2.2: Joining of Medicare-Local (Bendigo) and ABS data

Appendix D provides details of how the raw data was processed.

Appendix E lists the record counts in each **LMMML** table after each deletion-operation to remove records associated with low aggregate counts.

Appendix G lists *excluded* patient-episode record-counts grouped by category-value.

Data received from **LMMML** was itself a merging of data previously extracted from their database. The extraction dates for this extracted data varied from late April 2013 to mid December 2013. Of the 245,426 raw patient-records present in the data received, 221,268 records remained after data cleansing.

Figure 3.1 is an Entity-Relationship diagram for the main entities and relationships comprising the Medicare Local (Bendigo) data collection. Asterisked entities/tables have grouping tables associated with them (not shown in diagram) through which records can be selected according to category-value. *In brief*:

- **Episode** records can be selected according to their **EpisodeType**
- **Diagnosis** records can be selected according to their **DiagnosisGroupingDesc**
- **Medication** records can be selected according to their **MedicationTypeDesc**
- **Measurement** records can be selected according to their **MeasurementType**
- **Organisation** records can be selected according to their **OrganisationType**

Patient ([ml_patient]) also has look-up tables for categorisation according to **Sex** ([ml_sex]) and **Smoking** ([ml_smoker]).

Entities, their corresponding table- and (export) file-names, and the record counts of these tables/files are detailed in Table 3.1. The struck-through look-up categories of **MedicationType** and **MedicationTypeDesc** were replaced by the coarser-grained “super”-categories **MedicationTypeDesc** and **MedicationTypeDesc** respectively. This was done in order to meet requirements of anonymisation. The initial 72 **MedicationType** category-values were reduced to the 26 **MedicationTypeDesc** category-values and the initial 42 **DiagnosisGrouping** category-values were reduced to 14 **DiagnosisGroupingDesc** category-values. *Summary* statistics for **MedicationType** and **DiagnosisGrouping** have been retained and are referenced in this report.

Relationships between the **LMMML** database tables are described in Table 3.2

Contents and summary-statistics for all look-up tables are given in Chapter 4.

Entity	Table	Export File Name	Record Count
<i>Main Tables</i>			
Patient	[ml_patient]	ml_patient.csv	221,268
Episode	[ml_episode]	ml_episode.csv	221,268
Diagnosis	[ml_diagnosis]	ml_diagnosis.csv	155,956
Measurement	[ml_measurement]	ml_measurement.csv	612,380
Medication	[ml_medication]	ml_medication.csv	763,321
Organisation	[ml_organisation]	ml_organisation.csv	26
MBSDataForm	[ml_mbs]	ml_mbs.csv	34,993
ABS	[ml_abs]	ml_abs.csv	111
<i>LookUp Tables</i>			
Sex	[ml_sex]	ml_sex.csv	2
Smoking	[ml_smoker]	ml_smoker.csv	5
MBSItem	[ml_mbs_item]	ml_mbs_item.csv	34,993
EpisodeType	[ml_episode_type]	ml_episode_type.csv	2
OrganisationType	[ml_organisation_type]	ml_organisation_type.csv	3
MedicationType	[ml_medication_type]	ml_medication_type.csv	72
MedicationTypeDesc	[ml_medication_type_desc]	ml_medication_type_desc.csv	26
MeasurementType	[ml_measurement_type]	ml_measurement_type.csv	27
DiagnosisGrouping	[ml_diagnosis_grouping]	ml_diagnosis_grouping.csv	42
DiagnosisGroupingDesc	[ml_diagnosis_grouping]	ml_diagnosis_grouping_desc.csv	14
<i>All</i>			
Dump of database	-	ml_all.sql	-

Table 3.1: LMMML Entities, (exported) table/file-names and their record-counts

Table ...	Column	→	Lookup-Table ...	-Col
[ml_measurement]	Patient_id	→	[ml_patient]	id
[ml_medication]	Patient_id	→	[ml_patient]	id
[ml_diagnosis]	Patient_id	→	[ml_patient]	id
[ml_episode]	Patient_id	→	[ml_patient]	id
[ml_patient]	ABS_id	→	[ml_abs]	id
[ml_mbs]	Patient_id	→	[ml_patient]	id

Table 3.2: Linking relationships between key tables

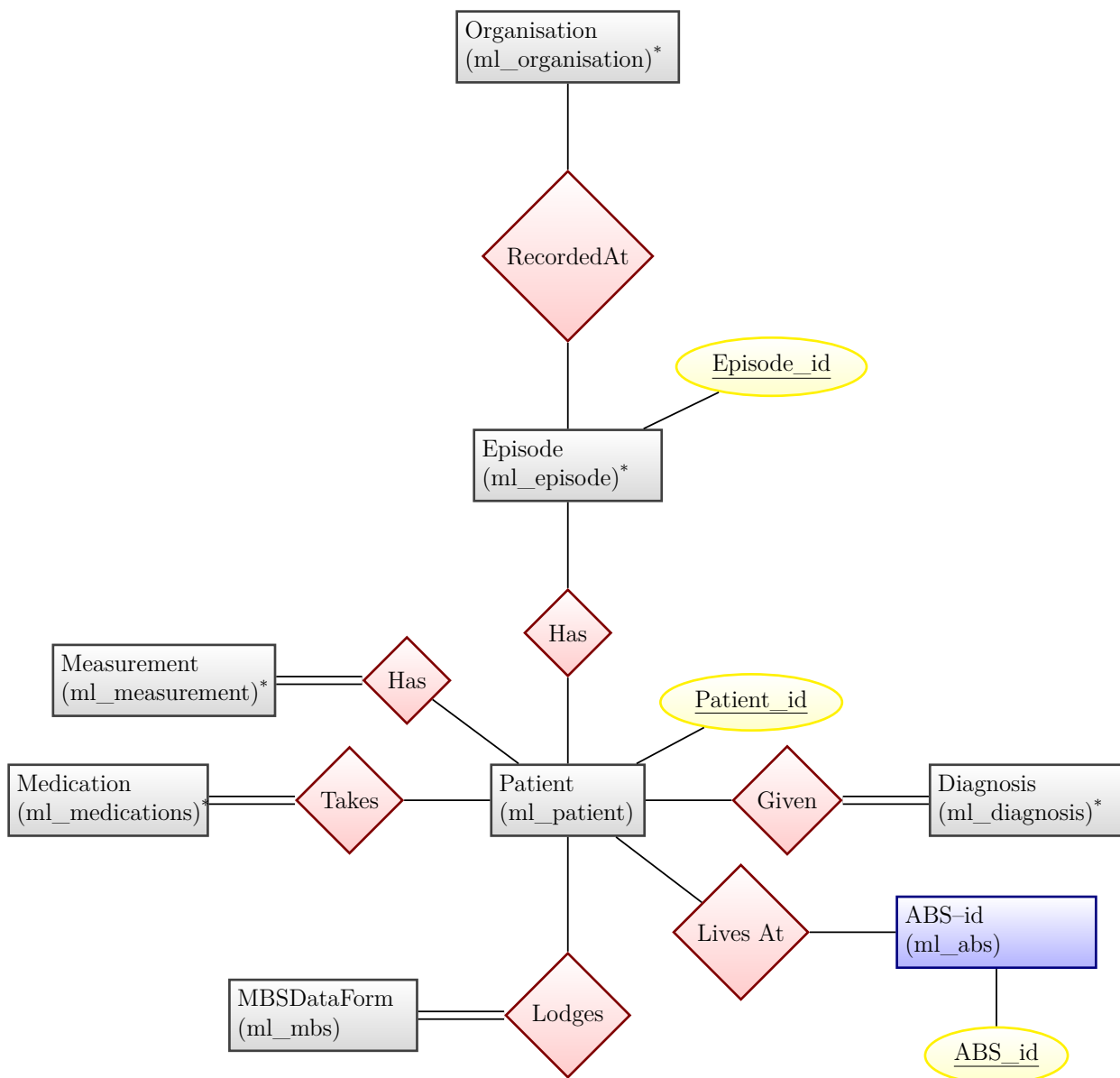


Figure 3.1: E-R diagram for Medicare Local data (Bendigo)

GP-entity = GP-Data;
 ABS-entity = ABS-Data;

CHAPTER 4. LOOKUP AND SUMMARY TABLES

Following is a listing of the contents of all look-up tables present in the **LMMML** database collection, including **Patient** record counts grouped by category-values. Refer to these tables in the construction of queries for filtering/selecting records. In brief:

- Table 4.4 details **DiagnosisGroupings** referenced (by key) in **Diagnosis** ([ml_diagnosis]).
- Table 4.5 details **DiagnosisGroupingDescs** referenced (by key) in **Diagnosis** ([ml_diagnosis]).
- Table 4.9 details **MeasurementTypes** referenced (by key) in **Measurement** ([ml_measurement]).
- Table 4.7 details **MedicationTypes** referenced (by key) in **Medication** ([ml_medication]).
- Table 4.8 details **MedicationTypeDescs** referenced (by key) in **Medication** ([ml_medication]).
- Tables 4.2 and 4.3 detail **Sex** ([ml_sex]) and **Smoking** ([ml_smoker]) categories referenced (by key) in **Patient** ([ml_patient]).

Table 4.1 describes the linking relationships between main and look-up tables.

Table ...	Column	→	Lookup-Table ...	-Col
ml_diagnosis	Diagnosis_Grouping_Desc_id	→	ml_diagnosis_grouping_desc	id
ml_episode	episode_type_id	→	ml_episode_type	id
ml_patient	marital_status_id	→	ml_marital_status	id
ml_patient	sex_id	→	ml_sex	id
ml_patient	smoker_id	→	ml_smoker	id
ml_measurement	measurement_type_id	→	ml_measurement_type	id
ml_medication	medication_type_desc_id	→	ml_medication_type_desc	id
ml_organisation	organisation_type_id	→	ml_organisation_type	id

Table 4.1: Linking relationships between key tables

Tables 4.2 – 4.9 *also* list patient-episode record counts by category-value, as follows:

- Table 4.2 : patient-episode record-counts grouped by **Sex**
- Table 4.3 : patient-episode record-counts grouped by **Smoking**
- Table 4.4 : patient-episode record-counts grouped by **DiagnosisGrouping**
- Table 4.5 : patient-episode record-counts grouped by **DiagnosisGroupingDesc**¹
- Table 4.6 : patient-episode record-counts grouped by **MBSDataForm**
- Table 4.7 : patient-episode record-counts grouped by **MedicationType**²
- Table 4.8 : patient-episode record-counts grouped by **MedicationTypeDesc**
- Table 4.9 : patient-episode record-counts grouped by **MeasurementType**

For a summary of patient-episode record counts of *excluded* patient-episode records, see Appendix G.

Table 4.2: [ml_sex]

id	Sex_Desc	cntTot
1	Male	104364
2	Female	122819

Table 4.3: [ml_smoker]

id	Smoker_Desc	cntTot
1	Daily	23537
3	Irregular	3033
4	Ex-smoker	21176
5	Never Smoked	68272
9	Not Recorded	111165

Table 4.4: [ml_diagnosis_grouping]

id	PEN_Diagnosis	Diagnosis_Grouping_Desc_id	cntTot
1	Chlamydia	13	900
3	HIV	13	60
5	ADHD	12	754
6	Anxiety	12	6477
7	Autism	12	548
8	Bipolar	12	1091
9	Dementia	12	490
10	Dementia Possible	12	187
11	Depression	12	16668
12	Schizophrenia	12	954
13	Acute Coronary Syndrome	4	155
14	Atrial Fibrillation	4	1978
15	Carotid Stenosis	4	116
16	CHD	4	5247
17	Chronic Heart Failure	4	559

Continued on next page

¹**DiagnosisGrouping** information has been excluded from the **Diagnosis** data ([ml_diagnosis]).

²**MedicationType** information has been excluded from the **Medication** data ([ml_medication]).

Table 4.4 – *Continued from previous page*

id	PEN_Diagnosis	Diagnosis_Grouping_Desc_id	cntTot
18	Heart Failure	4	1197
19	Hyperlipidaemia	10	14996
20	Hypertension	11	23143
21	Myocardial Infarction	4	1108
22	Neuropathic Pain	5	502
23	Peripheral Vascular Disease	4	389
24	Stroke	14	1550
25	Albuminuria	5	325
26	Diabetes Related	8	148
27	Diabetes Type 1	8	800
28	Diabetes Type 2	8	4841
29	Diabetes Undefined	8	2418
30	Proteinuria	5	107
32	Fracture Minimal Trauma	5	4220
33	Inflammatory Arthritis	2	2159
34	Low Back Pain	5	5427
35	Musculoskeletal Other	2	4176
36	Osteoarthritis	2	10304
37	Osteoporosis	2	2972
38	Vitamin D Deficiency	5	2732
39	Asthma	1	18327
40	COAD	7	2843
41	Cancer	3	2939
42	Multiple Myeloma	5	57
43	Chronic Renal Failure	6	393
45	Renal Impairment	6	1194
46	Drug Abuse	9	903

Table 4.5: [ml_diagnosis_grouping_desc]

id	Diagnosis_Grouping_Desc_id	cntTot
1	Asthma	18327
2	Bone and Joint Diseases	16653
3	Cancer	2939
4	Cardiovascular Diseases	7455
5	Chronic Disease Risk Factor	12391
6	Chronic Kidney Disease	1194
7	COAD	2843
8	Diabetes	7163
9	Drug Abuse	903
10	Hyperlipidaemia	14996
11	Hypertension	23143
12	Mental Health	22487
13	Sexual Health	992
14	Stroke	1550

Table 4.6: [ml_mbs_item]

id	MBS_Item_No	cntTot
1	2713	3902
2	721	7532

Continued on next page

Table 4.6 – *Continued from previous page*

id	MBS_Item_No	cntTot
3	723	5905
4	2702	543
5	2712	1417
6	2710	2859
7	731	249
8	Health Check	3471
9	702	257
10	Diabetes Sip	1397
11	732	4060
12	717	358
13	725	583
14	900	640
15	727	237
16	Asthma Coc	467
17	903	371
19	700	693
20	11506	2073

Table 4.7: [ml_medication_type]

id	Medication	Medication_Type_Desc	cntTot
1	A2 Receptor Blockers	1	13417
2	Ace Inhibitors	2	17662
3	Antiadrenergic Agents Alpha Blockers	3	849
4	Antiadrenergic Agents Centrally Acting	3	740
5	Antiarrhythmic Class 1	4	160
6	Antiarrhythmic Sotalol	4	520
7	Anticoagulants Aspirin	5	15527
8	Anticoagulants clopidogrel	5	5023
9	Anticoagulants Warfarin	5	3130
11	Antidepressants Tricyclic	6	3483
12	Antidiabetic Agents Glitazones	7	530
13	Antidiabetic Agents Insulin Hypoglycaemics	7	2104
14	Antidiabetic Agents Metformin	7	5303
15	Antidiabetic Agents Oral Hypoglycaemics	7	5678
17	Beta Blockers	9	11731
18	Beta Blockers Antihypertensives	9	11381
19	Beta Blockers Chronic Heart Failure	9	1015
20	Beta Blockers Myocardial Infarction	9	10293
21	Beta Blockers Non Chronic Heart Failure	9	4330
22	Calcium Antagonists	10	12176
23	Calcium Antagonists Antihypertensives	10	5612
24	Calcium Antagonists Rate Limiting	10	1627
25	Corticosteroid Glucocorticoids	10	32828
26	Corticosteroid Mineralocorticoids	11	76
27	Decongestant Systemic	11	473
28	Diuretics	12	13470
29	Diuretics Antihypertensives	12	6177
30	Diuretics Potassium Sparring	12	1298
31	Diuretics Thiazide	12	671
32	Diuretics_Loop	12	2237
33	DMARDs Conventional	13	2092
34	Gout Preparations	14	4423
35	Hormone Replacement Therapy Combined	15	9944
36	Hormone Replacement Therapy Oestrogen Only	15	2343

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Table 4.7 – Continued from previous page

id	Medication	Medication_Type_Desc	cntTot
37	Immunisations DTPA	16	9354
38	Immunisations Fluvax	16	33130
39	Immunisations Gardasil	16	4500
40	Immunisations HepA	16	4862
41	Immunisations HepB	16	6852
42	Immunisations Hib	16	5124
43	Immunisations Menccv	16	7284
44	Immunisations MMR	16	8560
45	Immunisations Panvax	16	6454
46	Immunisations Pertussis	16	18685
47	Immunisations Pneumovax	16	16158
48	Immunisations Polio	16	9251
49	Immunisations Prevenar	16	4024
50	Immunisations Rotavirus	16	1661
51	Immunisations VZV	16	4136
52	Lipid Modifying Others	17	2362
53	Mental Health Anti-Anxiety	18	18917
54	Mental Health Antidepressants	18	31576
55	Mental Health Antipsychotics	18	4878
56	Mental Health Antipsychotics Atypical	18	4128
57	Mental Health Antipsychotics Typical	18	1395
58	Mental Health Mood Stabiliser Lithium	18	616
59	Mental Health Stimulants	18	748
60	Opioid Weak	19	31471
61	Opioids	19	33726
62	Osteoporosis Biphosphonates	20	3031
63	Paracetamol	21	37260
64	Prohypertensives Miscellaneous	22	4489
65	Respiratory Asthma Combination	23	13671
66	Respiratory Asthma Oral Steroids	23	23297
67	Respiratory Asthma Preventers	23	11083
68	Respiratory Asthma Relievers	23	27897
69	Respiratory Asthma Symptom Controllers	23	964
70	Respiratory Copd	23	3135
71	Respiratory_Asthma_Inhaled	23	22028
72	Statins	24	21687
73	Systemic Nsaids	25	39239
74	Systemic Nsaids Cox2	25	16569

Table 4.8: [ml_medication_type_desc]

id	Medication_Type_Desc	cntTot
1	A2 Receptor Blockers	13417
2	Ace Inhibitors	17662
3	Antiadrenergic Agents	1507
4	Antiarrhythmic	616
5	Anticoagulants	19068
6	Antidepressants	3493
7	Antidiabetic Agents	6501
9	Beta Blockers	12022
10	Calcium Antagonists	40834
11	Corticosteroid	545
12	Diuretics	15670
13	DMARDs Conventional	2092
14	Gout Preparations	4423

Continued on next page

Table 4.8 – *Continued from previous page*

id	Medication_Type_Desc	cntTot
15	HRT	11688
16	Immunisations	56649
17	Lipid Modifying Others	2362
18	Mental Health	41399
19	Opioids	35405
20	Osteoporosis Biphosphonates	3031
21	Paracetamol	37260
22	Prohypertensives Miscellaneous	4489
23	Respiratory	46921
24	Statins	21687
25	Systemic Nsaids	39239

Table 4.9: [ml_measurement_type]

id	Measurement	cntTot
2	Blood Pressure	98847
3	Chlamydia Test	15016
4	Cholesterol	47721
5	Creatinine	64730
6	Creatinine Urinary	8926
7	Eye Exam	1353
8	Fasting Blood Glucose	28459
9	Foot Exam	1926
10	Gonorrhoea Test	5542
11	Haemoglobin	63308
12	Hba1c	8393
13	Hdl	45817
14	HIV Test	4736
15	INR	6834
16	Ldl	42351
17	Microalbumin	9531
18	Microalbumin Creatinine Ratio	8290
19	MMSE	2141
20	Papsmear Status	33107
21	Physical Activity	378
22	Protein Creatinine Ratio	397
23	Protein Urinary	313
24	Random Blood Glucose	39249
25	Spirometry Fev1post	2902
26	Spirometry Fvcpost	2902
27	Syphilis Test	5822
28	Triglycerides	47491

There were 245,426 **Patient** (`[ml_patient]`) records received from **Loddon Mallee Murray Medicare Local (LMMML)**. These records were processed for purposes of de-identification / anonymisation and data-cleansing as detailed below.

Processing for Anonymisation

Removal of sensitive fields

Fields by which a person might readily be identified when combined or when combined with *other* information were excluded from the published data. Such fields included physical measurements like `height`, `weight`, `waist circumference`. They also included statuses such as being a Veteran or an **Aboriginal and Torres Strait Islander (ATSIC)**. Appendix F gives details of fields present in the original, data received from **LMMML** that were excluded from the final published dataset.

Filtering and aggregation of records

Of the 245,426 raw-data patient records, 5,692 were excluded because Sex was unspecified and a further 12,551 records were excluded because the patient was born either before 1925 or after 2005. After the exclusion/removal of records (filtering), aggregate-counts were calculated for each value of each category of patient data. Aggregate-counts were then analysed. From this analysis, certain categories – **Measurement**, **Diagnosis**, **Medication** and **Location** – were found to be too fine-grained and so were substituted for coarser-grained covering- (or “super”-) categories. All date-fields were also rounded-down to the nearest 5-year value.

Aggregate-counts were then *re-calculated* for each value of each (potentially revised, “super-”) category. 5,915 of the remaining 227,183 patient records were identified as associated with “low”-count aggregates (< 50 records). These were excluded, leaving 221,268 patient-records, which were published along with the associated (**Measurement**, **Diagnosis**, **Medication** and **Location**) data.

A *brief* summary of the progressive count of patient records left at each step of exclusion is given in Table 5.1 and an extended summary of the progressive count of patient and other records left at each step of exclusion is given in Appendix E.

A brief summary of the steps taken to anonymise the data (/exclude records) is given below (5) and more detailed summary is given in Appendix D.

Look-up table	Category	NCRD	NAPRD	NPRR
Raw Count	-	-	0	245,426
[ml_sex]	Sex	1	5,692	239,734
[ml_patient]	Age	-	12,551	227,183
[ml_mbs_item]	MBS Item	21	21	227,162
[ml_diagnosis_grouping]	Diagnosis Grouping	4	99	227,063
[ml_medication_type_desc]	Medication Type Desc.	?	14	226,987
[ml_medication_type]	Medication Type	3	14	226,973
[ml_measurement_type]	Measurement Type	27	27	226,946
[ml_abs]	ABS	1,310	5,678	221,268

NCRD = No. or category records deleted
 NAPRD = No. of associated patient records deleted
 NPRR = No. of patient records remaining

Table 5.1: Deleted patient records by category of deletion.

Details of steps taken to anonymise data

Filtering

- **Exclusions** The following exclusions were performed on the data:

- **Sex** checked to confirm patient categorised as either **Female** or **Male**; if not confirmed, record excluded. (5,692 rows excluded.)
- **BirthYear** checked to confirm the patient born between 1925 – 2005 inclusive (that is, that s/he was between 15 and 90 years old); if not confirmed, record excluded. (12,551 rows excluded.)

- **Removals** A calculation was made of counts of **patient-episode** records by each category of each look-up table. **Patient_Episode** records were deleted where represented in any category having less than 50 records in total

These categories and their low-count aggregates are listed in Appendix G

Aggregation

The following aggregations were performed:

- All dates rounded down to the nearest 5-year value using the formula:

$$X = X - (X \bmod 5) \quad (5.1)$$

where $X = (\text{Year of}) \dots$

- [ml_diagnosis]![Diagnosis_Year]
- [ml_mbs]![Service_Year]
- [ml_mbs]![Next_referral_Year]
- [ml_measurement]![Service_Year]
- [ml_medication]![Prescription_Year]
- [ml_medication]![Calculated_End_Year]
- [ml_patient]![Smoking_Review_Year]
- [ml_patient]![YOB]
- [ml_patient]![Last_Encounter_Service_Year]

- **MedicationTypeDesc** ([ml_medication_type_desc]) substituted for **MedicationType** ([ml_medication_type])
- **DiagnosisGroupingDesc** ([ml_diagnosis_grouping]) substituted for **DiagnosisGrouping** ([ml_diagnosis_grouping])
- Detailed “Measurement” field removed from **Measurement** (leaving just the higher-aggregate **MeasurementType** to query on)

Data-cleansing processing

The following data-cleansing processes were performed:

- **Statistical Local Area (SLA)** set to 99999 if not known
- Integer fields set to NULL if missing; ‘0’ if ‘empty’.

APPENDIX A. TABLE DEFINITIONS

Table A.1 details table column definitions for all columns in all tables in the published **Loddon Mallee Murray Medicare Local** collection.

Table A.1: [ml_schema]

Tbl	Col	Null?	ColType	ColKey	Comment
ml_abs	id	NO	varchar(50)	PRI	
ml_abs	SLA_5_Digit_Code	NO	int(11)		
ml_abs	SLA_Code	NO	int(11)		
ml_abs	SLA_Name	YES	varchar(100)		
ml_abs	LGA_Code	NO	int(11)		
ml_abs	LGA_Name	NO	varchar(100)		
ml_abs	ML_Code	NO	varchar(20)		
ml_abs	ML_Name	NO	varchar(100)		
ml_abs	SD_Code_2011	YES	int(11)		
ml_abs	SD_Name_2011	YES	varchar(50)		
ml_abs	SSD_Code_2011	YES	int(11)		
ml_abs	SSD_Name_2011	YES	varchar(50)		
ml_abs	Sdist_Code_2011	YES	int(11)		
ml_abs	Sdist_Name_2011	YES	varchar(100)		
ml_abs	MSR_Code_2011	YES	int(11)		
ml_abs	MSR_Name_2011	YES	varchar(100)		
ml_abs	SR_Code_2011	YES	int(11)		
ml_abs	SR_Name_2011	YES	varchar(50)		
ml_abs	SRS_Code_2011	YES	int(11)		
ml_abs	SRS_Name_2011	YES	varchar(50)		
ml_abs	SLA_Region_Code_2011	YES	int(11)		
ml_abs	State_Code	YES	int(11)		
ml_abs	State	NO	varchar(50)		
ml_abs	Split_Description	YES	varchar(250)		
ml_abs	Postcode	YES	int(11)		
ml_abs	Pct_Postcode_in_LGA	YES	decimal(8,3)		
ml_abs	Latitude	YES	decimal(10,7)		
ml_abs	Longitude	YES	decimal(10,7)		
ml_abs	Electoral_Divisions	YES	varchar(50)		
ml_abs	Postcode_Main	YES	int(11)		
ml_abs	Postcodes_All	NO	varchar(250)		
ml_abs	Area	YES	decimal(14,8)		Area in SqKms
ml_abs	Population_Usual_Resident_Population_2009	YES	int(11)		
ml_abs	Population_Usual_Resident_Population_2011	YES	int(11)		

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Table A.1 – Continued from previous page

Tbl	Col	Null?	ColType	ColKey	Comment
m_l_abs	IRSD_Score_by_SLA	YES	decimal(14,9)		
m_l_abs	IRSD_Decile_by_SLA	YES	int(11)		
m_l_abs	IRSD_Score_by_SLA	YES	decimal(14,9)		
m_l_abs	IRSD_Decile_by_SLA	YES	int(11)		
m_l_abs	IER_Score_by_SLA	YES	decimal(14,9)		
m_l_abs	IER_Decile_by_SLA	YES	int(11)		
m_l_abs	IEO_Score_by_SLA	YES	decimal(14,9)		
m_l_abs	IEO_Decile_by_SLA	YES	int(11)		
m_l_abs	cntTot	NO	int(11)		
m_l_abs_text	id	NO	varchar(50)	PRI	
m_l_abs_text	SLAName	YES	varchar(100)		
m_l_abs_text	MLName	NO	varchar(100)		
m_l_abs_text	PCode	YES	int(11)		
m_l_abs_text	PCodesAll	NO	varchar(250)		=Postcode_Main
m_l_abs_text	Area	YES	decimal(14,8)		=Postcodes_All
m_l_abs_text	cntTot	YES	int(11)		Area in SqKms
m_l_diagnosis	id	NO	int(11)	PRI	
m_l_diagnosis	Episode_id	NO	int(11)	MUL	
m_l_diagnosis	Patient_id	NO	int(11)	MUL	
m_l_diagnosis	Diagnosis_Grouping_Desc_id_id	YES	int(11)	MUL	
m_l_diagnosis	Diagnosis_Active	NO	tinyint(1)		
m_l_diagnosis	Diagnosis_Year	YES	int(11)		
m_l_diagnosis	cntTot	NO	int(11)		
m_l_diagnosis_grouping	id	NO	int(11)	PRI	
m_l_diagnosis_grouping	PEN_Diagnosis	NO	varchar(50)	MUL	
m_l_diagnosis_grouping	Diagnosis_Grouping_Desc_id_id	YES	int(11)	MUL	
m_l_diagnosis_grouping	cntTot	NO	int(11)		
m_l_diagnosis_grouping_desc	id	NO	int(11)	PRI	
m_l_diagnosis_grouping_desc	Diagnosis_Grouping_Desc_id	NO	varchar(50)	MUL	
m_l_diagnosis_grouping_desc	cntTot	NO	int(11)		
m_l_episode	id	NO	int(11)	PRI	
m_l_episode	Episode_Type_id	NO	int(11)	MUL	
m_l_episode	Patient_id	NO	int(11)	MUL	
m_l_episode	Organisation_id	NO	int(11)	MUL	
m_l_episode	cntTot	NO	int(11)		
m_l_episode_type	id	NO	int(11)	PRI	

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Table A.1 – Continued from previous page

Tbl	Col	Null?	ColType	ColKey	Comment
ml_episode_type	Episode_Type_Desc	NO	varchar(50)	MUL	
ml_episode_type	cntTot	NO	int(11)		
ml_example_query	id	NO	int(11)	PRI	
ml_example_query	ml_diagnosis_id	NO	int(11)		
ml_example_query	Diagnosis_Grouping_Desc_id	NO	varchar(100)		
ml_example_query	Diagnosis_Year	NO	int(11)		
ml_mbs	id	NO	int(11)	PRI	
ml_mbs	Episode_id	NO	int(11)	MUL	
ml_mbs	Patient_id	NO	int(11)	MUL	
ml_mbs	MBS_Item_No	NO	int(11)	MUL	
ml_mbs	MBS_Item_id	NO	varchar(50)		
ml_mbs	Service_Year	YES	int(11)	MUL	
ml_mbs	Description	YES	int(11)		
ml_mbs	Next_Referral_Year	YES	varchar(150)		
ml_mbs	Next_Referral_Type	YES	int(11)		
ml_mbs	Next_Referral_Type	YES	varchar(50)		
ml_mbs	ServiceProviderLinkIDMap_id	YES	int(11)		
ml_mbs	cntTot	NO	int(11)		
ml_mbs_item	id	NO	int(11)	PRI	
ml_mbs_item	MBS_Item_No	NO	int(11)		
ml_mbs_item	cntTot	NO	varchar(50)	MUL	
ml_measurement	id	NO	int(11)	PRI	
ml_measurement	Patient_id	NO	int(11)	PRI	
ml_measurement	Episode_id	NO	int(11)	MUL	
ml_measurement	Measurement	NO	int(11)	MUL	
ml_measurement	Measurement_Type_id	NO	varchar(150)		
ml_measurement	Measurement_Done	YES	int(11)	MUL	
ml_measurement	Value	YES	tinyint(1)		
ml_measurement	Bp_Systolic	YES	varchar(50)		
ml_measurement	Bp_Diastolic	YES	int(11)		
ml_measurement	Service_Year	YES	int(11)		
ml_measurement	Sip_Done	YES	int(11)		
ml_measurement	Chlamydia_Test_Last_3_Months	YES	tinyint(1)		
ml_measurement	Chlamydia_Test_Last_12_Months	YES	tinyint(1)		
ml_measurement	cntTot	NO	int(11)		
ml_measurement_type	id	NO	int(11)	PRI	
ml_measurement_type	Measurement	NO	varchar(100)	MUL	

Continued on next page

Table A.1 – Continued from previous page

Tbl	Col	Null?	ColType	ColKey	Comment
ml_measurement_type	cntTot	NO	int(11)		
ml_medication	id	NO	int(11)	PRI	
ml_medication	Episode_id	NO	int(11)	MUL	
ml_medication	Patient_id	NO	int(11)	MUL	
ml_medication	Medication_Active	YES	tinyint(1)		
ml_medication	Prescription_Year	YES	int(11)		
ml_medication	Prescription_Count	YES	int(11)		
ml_medication	End_Year	YES	int(11)		
ml_medication	Calculated_End_Year	YES	int(11)		
ml_medication	Medication_Type_Desc_id	YES	int(11)	MUL	
ml_medication	cntTot	NO	int(11)		
ml_medication_type	id	NO	int(11)	PRI	
ml_medication_type	Medication	NO	varchar(100)	MUL	
ml_medication_type	Medication_Type_Desc_id	NO	varchar(100)	MUL	
ml_medication_type	cntTot	NO	int(11)		
ml_medication_type_desc	id	NO	int(11)	PRI	
ml_medication_type_desc	Medication_Type_Desc	NO	varchar(100)	MUL	
ml_medication_type_desc	cntTot	NO	int(11)		
ml_organisation	id	NO	int(11)	PRI	
ml_organisation	Organisation_Name	NO	varchar(200)		
ml_organisation	Organisation_Type_id	NO	varchar(200)		
ml_organisation	LGA_Desc	YES	int(11)	MUL	
ml_organisation	PostCode	NO	varchar(100)		
ml_organisation	Latitude	NO	int(11)		
ml_organisation	Longitude	YES	decimal(10,6)		
ml_organisation	cntTot	YES	decimal(10,6)		
ml_organisation_type	id	NO	int(11)		
ml_organisation_type	Organisation_Type	NO	int(11)	PRI	
ml_organisation_type	cntTot	NO	varchar(50)		
ml_organisation_type	bDelete	NO	int(11)		
ml_organisation_type	id	NO	int(11)	PRI	
ml_patient	Organisation_id	NO	int(11)	MUL	
ml_patient	YOB	NO	int(11)		
ml_patient	ABS_id	YES	varchar(50)	MUL	
ml_patient	Sex_id	YES	int(11)	MUL	
ml_patient	Medications_Count	YES	int(11)		

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Table A.1 – Continued from previous page

Tbl	Col	Null?	ColType	ColKey	Comment
ml_patient	Medications_Count_with_Reason_Code	YES	int(11)		
ml_patient	Medications_Count_Printed_Last_6mths	YES	int(11)		
ml_patient	Diagnosis_Count	YES	int(11)		
ml_patient	Diagnosis_Count_with_Code	YES	int(11)		
ml_patient	Smoking_id	YES	int(11)	MUL	
ml_patient	Smoking_Review_Year	YES	int(11)		
ml_patient	Alcohol_Consumption_Amount	YES	int(11)		
ml_patient	Alcohol_Review_Year	YES	int(11)		
ml_patient	Alcohol_Binge_Drinks	YES	int(11)		
ml_patient	Allergies	YES	int(11)		
ml_patient	Allergies_Count	YES	int(11)		
ml_patient	Allergies_Count_with_Reaction	YES	int(11)		
ml_patient	Immunisations_Count	YES	int(11)		
ml_patient	Family_History_Recorded	YES	tinyint(1)		
ml_patient	Occupation_Recorded	YES	tinyint(1)		
ml_patient	Active	YES	tinyint(1)		
ml_patient	Last_Encounter_Service_Year	YES	int(11)		
ml_patient	cntTot	NO	int(11)		
ml_sex	id	NO	int(11)	PRI	
ml_sex	Sex_Desc	NO	varchar(50)		
ml_sex	cntTot	NO	int(11)		
ml_smoker	id	NO	int(11)	PRI	
ml_smoker	Smoker_Desc	NO	varchar(50)		
ml_smoker	cntTot	NO	int(11)		
ml_table_counts	id	NO	int(11)	PRI	
ml_table_counts	sqlQuery	NO	varchar(300)		
ml_table_counts	cntSex	NO	int(11)		
ml_table_counts	cntSmoking	NO	int(11)		
ml_table_counts	cntOrganisation	NO	int(11)		
ml_table_counts	cntOrganisationType	NO	int(11)		
ml_table_counts	cntABS	NO	int(11)		
ml_table_counts	cntMBS	NO	int(11)		
ml_table_counts	cntMedication	NO	int(11)		
ml_table_counts	cntMedicationType	NO	int(11)		
ml_table_counts	cntMeasurement	NO	int(11)		
ml_table_counts	cntMeasurementType	NO	int(11)		

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Table A.1 – Continued from previous page

Tbl	Col	Null?	ColType	ColKey	Comment
ml_table_counts	cnt.DiagnosisGrouping	NO	int(11)		
ml_table_counts	cnt.Diagnosis	NO	int(11)		
ml_table_counts	cnt.Patient	NO	int(11)		

APPENDIX B. SUMMARY TABLE – ABS

Table B.1 : **Patient_Episode** record-counts grouped by location (**MedicareLocal-SLA** code; **ABS.xlsx**).

Table B.1: [ml_abs_tex]

id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML116-13850	Hay (A)	Murrumbidgee	2711	2710, 2711	11326.01913000	531
ML201-24608	Melbourne (C) - Remainder	Inner North West Melbourne	3002	3000, 3002, 3003, 3004, 3010, 3031, 3050, 3051, 3052, 3053, 3054, 3141, 3207	29.21167400	102
ML201-25063	Moonee Valley (C) - Essendon	Inner North West Melbourne	3032	3031, 3032, 3039, 3040, 3041	20.45590000	132
ML201-25065	Moonee Valley (C) - West	Inner North West Melbourne	3033	3033, 3034, 3040, 3041, 3042	22.68617300	69
ML201-25251	Moreland (C) - Brunswick	Inner North West Melbourne	3055	3052, 3054, 3055, 3056, 3057, 3068	10.64722700	83
ML201-25252	Moreland (C) - Coburg	Inner North West Melbourne	3044	3044, 3058	18.24797300	88
ML201-25253	Moreland (C) - North	Inner North West Melbourne	3046	3043, 3044, 3046, 3060	22.05406300	58
ML201-27351	Yarra (C) - North	Inner North West Melbourne	3054	3054, 3065, 3066, 3067, 3068, 3078, 3101	13.32907300	79
ML202-22311	Glen Eira (C) - Caulfield	Bayside	3161	3145, 3161, 3162, 3163, 3183, 3185, 3204	22.20742400	65
ML202-22314	Glen Eira (C) - South	Bayside	3165	3165, 3187, 3204	16.48399800	54
ML202-23431	Kingston (C) - North	Bayside	3169	3167, 3169, 3172, 3189, 3190, 3192, 3194, 3195, 3202	68.59049100	83
ML202-23434	Kingston (C) - South	Bayside	3196	3175, 3195, 3196, 3197	22.77683000	61
ML202-25901	Port Phillip (C) - St Kilda	Bayside	3182	3004, 3181, 3182, 3183, 3184, 3185, 3206	8.75561300	78
ML202-26351	Stonnington (C) - Prahran	Bayside	3141	3141, 3142, 3143, 3181	9.57614500	67
ML203-23111	Hobsons Bay (C) - Altona	South Western Melbourne	3018	3012, 3015, 3018, 3025, 3026, 3028	48.04016500	97
ML203-23112	Hobsons Bay (C) - Williamstown	South Western Melbourne	3015	3015, 3016, 3025	16.20054900	56
ML203-27261	Wyndham (C) - North	South Western Melbourne	3026	3024, 3026, 3027, 3028, 3029, 3030	145.95492500	183
ML204-21181	Brimbank (C) - Keilor	Macedon Ranges and North Western Melbourne	3021	3021, 3033, 3036, 3037, 3038, 3042, 3043	58.83462700	158
ML204-21182	Brimbank (C) - Sunshine	Macedon Ranges and North Western Melbourne	3020	3012, 3020, 3021, 3022, 3023, 3030	64.56438700	76
ML204-23275	Hume (C) - Sunbury	Macedon Ranges and North Western Melbourne	3429	3063, 3427, 3428, 3429, 3430, 3431	237.65897800	132
ML204-24131	Macedon Ranges (S) - Kyneton	Macedon Ranges and North Western Melbourne	3444	3435, 3442, 3444, 3446, 3447, 3458, 3461	563.69172800	343
ML204-24134	Macedon Ranges (S) - Romsey	Macedon Ranges and North Western Melbourne	3430	3430, 3431, 3432, 3433, 3434, 3435, 3438, 3441, 3442, 3756, 3762, 3764	628.14107700	85
ML204-24135	Macedon Ranges (S) Bal	Macedon Ranges and North Western Melbourne	3437	3337, 3429, 3431, 3435, 3437, 3438, 3440, 3441, 3442, 3444, 3458	556.44351900	128
ML204-24330	Maribyrnong (C)	Macedon Ranges and North Western Melbourne	3011	3011, 3012, 3013, 3019, 3032	31.22681600	105
ML204-24651	Melton (S) - East	Macedon Ranges and North Western Melbourne	3023	3023, 3029, 3037, 3335, 3427	91.90425000	70
ML204-24654	Melton (S) Bal	Macedon Ranges and North Western Melbourne	3335	3024, 3335, 3337, 3338, 3340, 3427	435.65316500	133
ML204-25151	Moorabool (S) - Bacchus Marsh	Macedon Ranges and North Western Melbourne	3340	3340, 3341	607.30833900	62
ML205-20661	Banyule (C) - Heidelberg	Northern Melbourne	3079	3079, 3081, 3084, 3085, 3087, 3088	32.64222200	113
ML205-20662	Banyule (C) - North	Northern Melbourne	3087	3083, 3085, 3087, 3088, 3093, 3094, 3095	29.89991600	117

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Table B.1 – Continued from previous page

id	SLAName	MLName	PCode	PCodeSAll	Area	cntTot
ML205-21891	Darebin (C) - Northcote	Northern Melbourne	3070	3070, 3071, 3078	14.02730300	85
ML205-21892	Darebin (C) - Preston	Northern Melbourne	3072	3058, 3072, 3073, 3083, 3085, 3086	39.44378300	116
ML205-23271	Hume (C) - Broadmeadows	Northern Melbourne	3043	3043, 3047, 3048, 3049, 3060, 3061	44.37607500	86
ML205-23274	Hume (C) - Craigieburn	Northern Melbourne	3045	3036, 3045, 3048, 3049, 3059, 3062, 3063, 3064, 3428	221.79423300	104
ML205-25715	Nilumbik (S) - South-West	Northern Melbourne	3089	3088, 3089, 3090, 3091, 3095, 3096, 3099	52.90429600	61
ML205-27071	Whittlesea (C) - North	Northern Melbourne	3750	3064, 3076, 3750, 3751, 3752, 3753, 3754, 3755, 3757	433.71144800	95
ML205-27075	Whittlesea (C) - South-East	Northern Melbourne	3082	3076, 3082, 3083, 3752	20.33689400	73
ML205-27076	Whittlesea (C) - South-West	Northern Melbourne	3074	3074, 3075, 3076	35.65793700	77
ML206-21112	Boroondara (C) - Camberwell S.	Inner East Melbourne	3124	3124, 3126, 3127, 3145, 3146, 3147	18.19406100	71
ML206-24214	Manningham (C) - West	Inner East Melbourne	3105	3105, 3106, 3107, 3108, 3109, 3111, 3131	55.37201300	83
ML206-24975	Monash (C) - Waverley West	Inner East Melbourne	3149	3125, 3147, 3148, 3149, 3150, 3168, 3170	32.11689000	88
ML206-26981	Whitehorse (C) - Box Hill	Inner East Melbourne	3125	3104, 3125, 3127, 3128, 3129	21.59232100	78
ML206-26984	Whitehorse (C) - Nunawading E.	Inner East Melbourne	3132	3131, 3132, 3133	21.42837400	63
ML206-26985	Whitehorse (C) - Nunawading W.	Inner East Melbourne	3130	3130, 3131, 3151	21.25820700	57
ML207-23672	Knox (C) - North-East	Eastern Melbourne	3153	3152, 3153, 3154, 3155, 3156, 3787	40.34877800	93
ML207-24411	Maroondah (C) - Croydon	Eastern Melbourne	3136	3115, 3134, 3135, 3136, 3137, 3153	37.91500200	83
ML207-24412	Maroondah (C) - Ringwood	Eastern Melbourne	3134	3114, 3133, 3134, 3135, 3136	23.49620700	77
ML207-27453	Yarra Ranges (S) - Lilydale	Eastern Melbourne	3116	3115, 3116, 3137, 3138, 3139, 3140, 3765, 3766, 3796	102.85193200	101
ML208-21453	Cardinia (S) - Pakenham	South Eastern Melbourne	3807	3807, 3808, 3809, 3810, 3812, 3978	217.68626500	57
ML208-21612	Casey (C) - Berwick	South Eastern Melbourne	3804	3804, 3805, 3806, 3807, 3977	83.12612100	134
ML208-21613	Casey (C) - Cranbourne	South Eastern Melbourne	3975	3975, 3976, 3977, 3978	83.93080400	86
ML209-22171	Frankston (C) - East	Frankston - Mornington Peninsula	3201	3201, 3910, 3911, 3977	64.60098400	61
ML209-22174	Frankston (C) - West	Frankston - Mornington Peninsula	3198	3197, 3198, 3199, 3200, 3201, 3910, 3911	64.99763000	130
ML209-25341	Mornington P'sula (S) - East	Frankston - Mornington Peninsula	3911	3911, 3912, 3913, 3915, 3916, 3918, 3919, 3920, 3926, 3927, 3933, 3937	293.83764100	74
ML209-25344	Mornington P'sula (S) - South	Frankston - Mornington Peninsula	3916	3916, 3926, 3928, 3929, 3934, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944	328.26672800	93
ML209-25345	Mornington P'sula (S) - West	Frankston - Mornington Peninsula	3930	3915, 3930, 3931, 3933, 3934	101.96238100	64
ML210-22751	Bellarine - Inner	Barwon	3219	3219, 3221, 3222, 3224	68.04918900	64
ML210-22752	Corio - Inner	Barwon	3212	3212, 3214, 3215, 3218, 3221	164.40527800	101
ML210-22756	South Barwon - Inner	Barwon	3216	3216, 3217, 3221, 3227	129.96072200	104
ML210-22757	Greater Geelong (C) - Pt B	Barwon	3222	3221, 3222, 3223, 3224, 3225, 3226, 3227	307.14997200	90
ML211-20260	Ararat (RC)	Grampians	3375	3271, 3272, 3293, 3294, 3351, 3361, 3373, 3374, 3375, 3377, 3378, 3379, 3381, 3469	4211.35681400	59
ML211-20571	Ballarat (C) - Central	Grampians	3350	3350, 3356	34.09129900	171
ML211-20572	Ballarat (C) - Inner North	Grampians	3352	3350, 3351, 3352, 3355, 3356, 3364	327.96296500	106
ML211-20574	Ballarat (C) - South	Grampians	3356	3350, 3351, 3352, 3356, 3357	113.25945100	67
ML211-21671	C. Goldfields (S) - M'borough	Grampians	3465	3465.0	23.23950800	252
ML211-21674	C. Goldfields (S) Bal	Grampians	3371	3364, 3370, 3371, 3462, 3464, 3465, 3472, 3475	1509.54495300	217

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Table B.1 – Continued from previous page

id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML211-22911	Hepburn (S) - East	Grampians	3458	3364, 3444, 3446, 3447, 3451, 3458, 3460, 3461	734.87246600	159
ML211-22912	Hepburn (S) - West	Grampians	3363	3352, 3363, 3364, 3370, 3371, 3461	738.11108600	52
ML211-23191	Horsham (RC) - Central	Grampians	3400	3400.0	23.82951600	83
ML211-25811	N. Grampians (S) - St Arnaud	Grampians	3477	3384, 3387, 3388, 3465, 3475, 3477, 3478, 3480	2468.17273300	419
ML211-25814	N. Grampians (S) - Stawell	Grampians	3374	3374, 3377, 3380, 3381, 3384, 3385, 3387, 3388, 3477	3259.83730700	91
ML211-27632	Yarriambiack (S) - South	Grampians	3388	3385, 3388, 3390, 3391, 3392, 3393, 3395, 3401, 3480	3531.12052700	104
ML212-26730	Warrnambool (C)	Great South Coast	3277	3277, 3280, 3281, 3282, 3283	120.85246000	73
ML213-24781	Mildura (RC) - Pt A	Lower Murray	3496	3496, 3498, 3500, 3501, 3505	518.89807000	200
ML214-11860	Conargo (A)	Loddon - Mallee - Murray	0	2710, 2713, 2714, 2716, 2733	8737.94187500	314
ML214-12500	Deniliquin (A)	Loddon - Mallee - Murray	2710	2710.0	143.18715400	12559
ML214-15500	Murray (A)	Loddon - Mallee - Murray	2731	2710, 2714, 2731, 2732, 3564, 3639	4344.45317300	5849
ML214-17800	Wakool (A)	Loddon - Mallee - Murray	2732	2710, 2711, 2732, 2733, 2734, 2735, 2736, 3579, 3585, 3586	7520.47214600	4271
ML214-21271	Buloke (S) - North	Loddon - Mallee - Murray	3483	3393, 3395, 3482, 3483, 3485, 3487, 3488, 3525, 3527, 3529, 3530, 3531, 3533, 3542, 3544	3883.38951100	268
ML214-21272	Buloke (S) - South	Loddon - Mallee - Murray	3480	3477, 3478, 3480, 3482, 3518, 3525, 3527	2549.91124700	2316
ML214-21371	Campaspe (S) - Echuca	Loddon - Mallee - Murray	3564	3564.0	39.29854300	10939
ML214-21374	Campaspe (S) - Kyabram	Loddon - Mallee - Murray	3620	3559, 3561, 3564, 3620, 3621, 3622, 3624, 3639	984.95238800	5129
ML214-21375	Campaspe (S) - Rochester	Loddon - Mallee - Murray	3561	3559, 3561, 3562, 3563, 3564, 3565, 3566, 3572, 3573, 3622	1950.25300100	6544
ML214-21376	Campaspe (S) - South	Loddon - Mallee - Murray	3559	3523, 3551, 3557, 3558, 3559, 3561, 3612, 3623	1544.35230600	1337
ML214-22250	Gannawarra (S)	Loddon - Mallee - Murray	3540	2732, 3527, 3540, 3542, 3567, 3568, 3579, 3580, 3581, 3585	3735.33356200	19393
ML214-22621	Gr. Bendigo (C) - Central	Loddon - Mallee - Murray	0	3550, 3555	15.60373100	38667
ML214-22622	Gr. Bendigo (C) - Eaglehawk	Loddon - Mallee - Murray	3556	3550, 3556	12.05620800	11426
ML214-22623	Gr. Bendigo (C) - Inner East	Loddon - Mallee - Murray	3550	3550, 3551, 3555	26.29731200	13768
ML214-22624	Gr. Bendigo (C) - Inner North	Loddon - Mallee - Murray	0	3550, 3551, 3556	147.45109800	7278
ML214-22625	Gr. Bendigo (C) - Inner West	Loddon - Mallee - Murray	3555	3453, 3515, 3516, 3550, 3551, 3555, 3556	177.86588000	20774
ML214-22626	Gr. Bendigo (C) - S'saye	Loddon - Mallee - Murray	3551	3550, 3551, 3555	114.99829900	9859
ML214-22628	Gr. Bendigo (C) - Pt B	Loddon - Mallee - Murray	3515	3444, 3453, 3463, 3515, 3516, 3523, 3551, 3556, 3557, 3558, 3559, 3570	2505.70757000	12730
ML214-23943	Loddon (S) - North	Loddon - Mallee - Murray	3537	3517, 3518, 3525, 3527, 3537, 3567, 3570, 3571, 3572, 3573, 3575, 3576, 3579	3210.40243100	2817
ML214-23945	Loddon (S) - South	Loddon - Mallee - Murray	3516	3463, 3472, 3475, 3477, 3515, 3516, 3517, 3518, 3520, 3525, 3551, 3556, 3570	3486.03763800	1685
ML214-25431	Mount Alexander (S) - C'maine	Loddon - Mallee - Murray	3450	3450, 3451	22.94881300	2969

Continued on next page

Table B.1 – Continued from previous page

id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML214-25434	Mount Alexander (S) Bal	Loddon - Mallee - Murray	3447	3364, 3444, 3446, 3447, 3448, 3450, 3451, 3453, 3461, 3462, 3463, 3464, 3465, 3472	1506.66969600	3608
ML214-26611	Swan Hill (RC) - Central	Loddon - Mallee - Murray	3585	3585.0	22.09211600	783
ML214-26616	Swan Hill (RC) Bal	Loddon - Mallee - Murray	3544	2715, 2735, 3533, 3544, 3546, 3549, 3579, 3583, 3584, 3585, 3586, 3588, 3589, 3590, 3591, 3594, 3595, 3596, 3597, 3599	2520.30309600	371
ML215-22831	Gr. Shepparton (C) - Pt A	Goulburn Valley	3614	3614, 3616, 3629, 3630, 3631, 3633, 3634	389.93991500	383
ML215-22835	Gr. Shepparton (C) - Pt B West	Goulburn Valley	3610	3608, 3610, 3614, 3616, 3617, 3618, 3620, 3623, 3629, 3631	959.01531700	575
ML215-24851	Mitchell (S) - North	Goulburn Valley	3521	3435, 3444, 3521, 3522, 3523, 3658, 3659, 3660, 3662, 3663, 3664, 3666, 3764	1894.88279500	293
ML215-24854	Mitchell (S) - South	Goulburn Valley	3658	3658, 3659, 3753, 3756, 3758, 3762, 3764	967.54793800	122
ML215-24904	Moirra (S) - West	Goulburn Valley	3635	2714, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3644, 3646, 3649	2518.82067500	477
ML215-26430	Strathbogrie (S)	Goulburn Valley	3607	3523, 3607, 3608, 3610, 3612, 3631, 3646, 3663, 3664, 3665, 3666, 3669, 3670	3303.25495300	109
ML216-10050	Albury (C)	Hume	2640	2640, 2641, 3691, 3694	305.93089700	71
ML216-10650	Berrigan (A)	Hume	2712	2646, 2647, 2712, 2713, 2714, 3644	2065.92696300	437
ML216-14250	Jerilderie (A)	Hume	2716	2646, 2700, 2707, 2710, 2712, 2713, 2716	2944.74728100	82
ML217-20835	Baw Baw (S) - Pt B West	Gippsland	3816	3816, 3818, 3820, 3821, 3822, 3823, 3825, 3831, 3832, 3833, 3950, 3953, 3981, 3988	1598.59182700	68
ML217-22111	E. Gippsland (S) - Bairnsdale	Gippsland	3875	3875, 3878, 3880, 3882, 3885, 3902, 3903, 3904, 3909	627.94030000	52
Unknown-99999		ML_Name_Unknown		Unknown		14835

APPENDIX C. QUERYING THE DATA

Following is an example of running a query against the data. ...

```
SELECT
  Patient_id, count(*) AS no_of_diagnoses
FROM
  ml_diagnosis
GROUP BY
  Patient_id
ORDER BY
  no_of_diagnoses;
```

This will return **Patient** ([ml_patient]) record with identifier 245336 as having 15 records in **Diagnosis** ([ml_diagnosis])

To get the details (with information pulled in from linking tables) ...

```
SELECT
  ml_diagnosis.id, Diagnosis_Grouping_Desc, Diagnosis_Year
FROM
  ml_diagnosis, ml_diagnosis_grouping_desc
WHERE
  Patient_id=245336
AND
  ml_diagnosis.Diagnosis_Grouping_Desc_id = ml_diagnosis_grouping_desc.id
ORDER BY
  Diagnosis_Year;
```

Results of the query are as presented in Table C.1:

Table C.1: [ml_example_query]

id	ml_diagnosis_id	Diagnosis_Grouping	Desc_id	Diagnosis_Year
1	976297	Asthma		1975
2	976309	Mental Health		2000
3	976299	COAD		2000
4	976308	Bone and Joint Diseases		2000
5	976305	Bone and Joint Diseases		2000
6	976307	Mental Health		2005
7	976306	Diabetes		2005
8	976311	Diabetes		2005
9	976300	Hypertension		2005
10	976303	Cardiovascular Diseases		2010
11	976302	Cardiovascular Diseases		2010
12	976301	Cardiovascular Diseases		2010
13	976298	Cardiovascular Diseases		2010
14	976310	Bone and Joint Diseases		2010
15	976304	Mental Health		2010



APPENDIX D. PROCESSING OF RAW DATA – DETAILS

Raw data was processed by executing the following processes in order:

1. **ABS** (001_ABS.py) Extracts raw data from `ABS.xlsx` and imports extracted data into `[ml_abs]`: `ABS.xlsx` → `[ml_abs]`. **1,400** rows loaded.
2. **Sex** (002_Sex.py) Extracts raw data from `Sex.xlsx` and imports extracted data into `[ml_sex]`: `Sex.xlsx` → `[ml_sex]`. **3** rows loaded.
3. **Smoker** (003_Smoker.py) Extracts raw data from `Smoker.xlsx` and imports extracted data into `[ml_smoker]`: `Smoker.xlsx` → `[ml_smoker]`. **6** rows loaded.
4. **EpisodeType** (004_Episode_Type.py) Extracts raw data from `Episode_Types.xlsx` and imports extracted data into `[ml_episode_type]`:
`Episode_Types.xlsx` → `[ml_episode_type]`. **2** rows loaded.
5. **MaritalStatus** (005_Marital_Status.py) Extracts raw data from `Marital_Status.xlsx` and imports extracted data into `[ml_marital_status]`:
`Marital_Status.xlsx` → `[ml_marital_status]`. **6** rows loaded.¹
6. **Organisation** (006_Organisation.py)
 - Extracts raw data from `Organisations.xlsx` and imports extracted data into `[ml_organisation]`: `Organisations.xlsx` → `[ml_organisation]`. **1,455** rows loaded.
 - Creates and populates `[ml_organisation_type]` from distinct `OrganisationTypes` in `[ml_organisation]`:

```
INSERT INTO ml_organisation_type (Organisation_Type)
SELECT DISTINCT OrganisationType FROM ml_organisation
ORDER BY OrganisationType
```
 - `UPDATEs` `[ml_organisation]![OrganisationType_id]` with `[ml_organisation_type]![id]` (joining on `Organisation_Type`):

```
UPDATE ml_organisation, ml_organisation_type
SET ml_organisation.Organisation_Type_id = ml_organisation_type.id
WHERE ml_organisation.Organisation_Type_id = ml_organisation_type.id
```
7. **PatientIDMap** (007_PatientIDMap.py)
Extracts raw patient-identifier data from `Patients.xlsx` and imports extracted data into `[ml_patientidmap]`:
`Patients.xlsx` → `[ml_patient]`. **245,426** rows loaded.
8. **Patient** (008_Patient.py)
 - Extracts raw data from `Patients.xlsx` and imports extracted data into `[ml_patient]`:
`Patients.xlsx` → `[ml_patient]`. **245,426** rows processed.

¹ `[ml_marital_status]` is not used as was excluded from the main `[ml_patient]` table.

- Filters out records in which Sex is not categorised as Male or Female. 5,692 records excluded.
- Filters out patients born before 2005 or before 1925. 12,551 records excluded.
- Updates [ml_patient]![id] with [ml_patientidmap]![id] (joining on Patient_ID)

245,426 rows extracted - (5,692 + 12,551) rows filtered = 227,183 rows loaded.

9. DiagnosisGrouping (009_Diagnosis_Grouping.py)

- Extracts raw data from Diagnosis_Grouping.xlsx and imports extracted data into [ml_diagnosis_grouping]:
Diagnosis_Grouping.xlsx → [ml_diagnosis_grouping]. 46 rows loaded.²
- Creates and populates [ml_diagnosis_grouping] from distinct values of Diagnosis_Grouping_Desc in [ml_diagnosis_grouping]:

```
INSERT INTO ml_diagnosis_grouping_desc (Diagnosis_Grouping_Desc)
SELECT DISTINCT Diagnosis_Grouping_Desc FROM ml_diagnosis_grouping
ORDER BY Diagnosis_Grouping_Desc
```

- Updates [ml_diagnosis_grouping]![Diagnosis_Grouping_Desc_id] ← [ml_diagnosis_grouping]![id]
joining on Diagnosis_Grouping_Desc:

```
UPDATE ml_diagnosis_grouping, ml_diagnosis_grouping_desc
SET ml_diagnosis_grouping.Diagnosis_Grouping_Desc_id =
    ml_diagnosis_grouping_desc.id
WHERE ml_diagnosis_grouping.Diagnosis_Grouping_Desc =
    ml_diagnosis_grouping_desc.Diagnosis_Grouping_Desc
```

10. Episode (010_Episode.py)

- Extracts raw patient-episode data from Episodes.xlsx and imports extracted data into [ml_episode]:
Episodes.xlsx → [ml_episode]. 245,426 rows loaded.
- Updates [ml_episode]!Patient_id ← [ml_patient]![id] (joining on [PatientID])
- Updates [ml_episode]![Episode_Type_id] ← [ml_episode_type]![id] (joining on [Episode_Type_Desc])

11. Diagnosis (011_Diagnosis.py)

- Extracts diagnosis data from Diagnosis.xlsx and imports extracted data into [ml_diagnosis]:
Diagnosis.xlsx → [ml_patient]. 156,057 rows loaded.
- Updates [ml_diagnosis]![Diagnosis_Grouping_id] ← [ml_diagnosis_grouping]![id] (joining on [DiagnosisGrouping]/[PEN_Diagnosis]).
- Updates [ml_diagnosis]![Diagnosis_Grouping_Desc_id] ← [ml_diagnosis_grouping]![id] (joining on [Diagnosis_Grouping_Desc_id]).
- Updates [ml_diagnosis]!Patient_id ← [ml_patient]![id] (joining on [PatientID])

12. Measurement (012_Measurement.py)

²Note: Diagnosis_Grouping.xlsx was *manually* created in order to enable courser-grained aggregation of diagnoses.

- Extracts measurement data from `Measurements.xlsx` and imports extracted data into `[ml_measurement]`:
`Measurements.xlsx` → `[ml_patient]`. **763,281** rows loaded.
- Filters out *height/weight/waist*-measurements (**150,874** records).
763,281 records processed – **150,874** records filtered = **612,407** records loaded
- Populates `[ml_measurement_type]![Measurement]` with distinct values of `[ml_measurement]![Measurement]`.
- Updates
`[ml_measurement]![Measurement_Type_id]` ← `[ml_measurement_type]![id]`
(joining on `[Measurement]`).

13. Medication (`013_Medication.py`)

- Extracts `MedicationType–MedicationTypeDescription` data from `MedicationType_MedicationTypeDesc.xlsx` and imports extracted data into `[ml_medicationtype_medicationtypedesc]`:
`MedicationType_MedicationTypeDesc.xlsx` → `[ml_medicationtype_medicationtypedesc]`.
75 rows loaded.³
- Extracts medication data from `Medications.xlsx` and imports extracted data into `[ml_medication]`:
`Medications.xlsx` → `[ml_patient]`. **763,418** rows loaded.
- Updates
`[ml_medication]![Patient_id]` ← `[ml_patient]![id]`
(joining on `[PatientID]`)
- Populates `[ml_medication_type]![Medication]` with `DISTINCT` values from `[ml_medication]![Medication]`:

```
INSERT INTO ml_medication_type (Medication)
SELECT DISTINCT Medication from ml_medication
ORDER BY Medication
```
- Updates
`[ml_medication_type]![Medication_Type_Desc_id]` ←
`[ml_medicationtype_medicationtypedesc]![id]`
(joining on `[Medication]`):

```
UPDATE
ml_medication_type, ml_medication_type_desc,
ml_medicationtype_medicationtypedesc
SET
ml_medication_type.Medication_Type_Desc_id = ml_medication_type_desc.id
WHERE
ml_medication_type.Medication =
ml_medicationtype_medicationtypedesc.Medication
AND
ml_medicationtype_medicationtypedesc.Medication_Type_Desc =
ml_medication_type_desc.Medication_Type_Desc
```
- Updates
`[ml_medication]![Medication_Type_Desc_id]` ←
`[ml_medication_type]![Medication_Type_Desc_id]`
(joining on `[Medication]`):

³`MedicationType_MedicationTypeDesc.xlsx` was *manually* created to enable courser aggregation of `[ml_medication]` data.

```

UPDATE ml_medication,ml_medication_type
SET
  ml_medication.Medication_Type_id = ml_medication_type.id,
  ml_medication.Medication_Type_Desc_id =
  ml_medication_type.Medication_Type_Desc_id
WHERE
  ml_medication.Medication = ml_medication_type.Medication

```

- Updates [ml_medication]![Medication_Type_id] ← [ml_medication_type]![id] (joining on [Medication]) (As above.)

14. MBS (014_MBS.py)

- Extracts Medical Benefits Scheme data from MBS.xlsx and imports extracted data into [ml_mbs]: MBS.xlsx → [ml_mbs]. **37,035** rows loaded.

15. ServicingProviderLinkIDMap (015_ServicingProviderLinkIDMap.py)

- Creates [ml_servicingproviderlinkidmap] and populates it with DISTINCT values of Servicing_Provider_Link_id got from [ml_mbs]

```

INSERT INTO ml_servicingproviderlinkidmap(Servicing_Provider_Link_id)
SELECT DISTINCT Servicing_Provider_Link_id
FROM ml_mbs
ORDER BY Servicing_Provider_Link_id

```

- Updates [ml_mbs]![Servicing_Provider_Link_IDMap_id] ← [ml_servicingproviderlinkidmap]![id] (joining on [Servicing_Provider_Link_IDMapID])

16. UpdateAggregates (016_UpdateAggregates.py)

016_UpdateAggregates.py calls updateAggregatesML() which flags records for removal; as follows:

- [ml_abs]
 - Flags for removal records associated with patients already excluded (=sets bDelete = 0)


```

UPDATE ml_mbs, ml_patient
SET ml_mbs.bDelete = ml_mbs.bDelete + 1
WHERE ml_mbs.Patient_id = ml_patient.id
AND ml_patient.bDelete > 0

```
 - Updates [ml_mbs_item] with summary stats (from [ml_mbs])


```

UPDATE ml_mbs_item,
(SELECT DISTINCT MBS_Item_No, count(*) AS cntTot FROM ml_mbs
GROUP BY MBS_Item_No) AS ml_mbs_itemTmp
SET ml_mbs_item.cntTot = ml_mbs_itemTmp.cntTot
WHERE ml_mbs_item.MBS_Item_No = ml_mbs_itemTmp.MBS_Item_No

```
 - Flags for removal records in [ml_mbs_item] with 'low' aggregates (= < 50 records)
 - Flags for removal *associated* records in [ml_mbs]
 - Flags for removal *associated* records in [ml_patient]
- [ml_diagnosis]
 - Updates [ml_diagnosis_grouping] with summary stats (from [ml_diagnosis])
 - Flags for removal records in [ml_diagnosis_grouping] with 'low' aggregates.
 - Flags for removal *associated* records in [ml_diagnosis_grouping]
 - Flags for removal *associated* records in [ml_diagnosis]

- Flags for removal *associated* records in [ml_patient]
- [ml_medication]
 - Updates [ml_medication_type_desc] with summary stats (from [ml_medication])
 - Flags for removal records in [ml_medication_type_desc] with ‘low’ aggregates.
 - Flags for removal *associated* records in [ml_medication_type]
 - Flags for removal *associated* records in [ml_medication]
 - Flags for removal *associated* records in [ml_patient]
- [ml_measurement]
 - Updates [ml_measurement_type] with summary stats (from [ml_measurement])
 - Flags for removal records in [ml_measurement_type] with ‘low’ aggregates.
 - Flags for removal *associated* records in [ml_measurement]
 - Flags for removal *associated* records in [ml_patient]
- [ml_sex]
 - Updates [ml_sex] with summary stats (from [ml_patient])
 - Flags for removal records in [ml_sex] with ‘low’ aggregates.
 - Flags for removal *associated* records in [ml_patient]
- [ml_smoker]
 - Updates [ml_smoker] with summary stats (from [ml_patient])
 - Flags for removal records in [ml_smoker] with ‘low’ aggregates.
 - Flags for removal *associated* records in [ml_patient]
- [ml_abs]
 - Updates [ml_abs] with summary stats (from [ml_patient])
 - Flags for removal records in [ml_abs] with ‘low’ aggregates.
 - Flags for removal *associated* records in [ml_patient]
- [ml_organisation]
 - Updates [ml_organisation] with summary stats (from [ml_patient])
 - Flags for removal records in [ml_organisation] with ‘low’ aggregates.
 - Flags for removal *associated* records in [ml_patient]

17. CreateAndExportABSTex (017_CreateAndExportABSTex.py)

017_CreateAndExportABSTex.py creates **ABSTeX** ([ml_abs_tex]) as a selection of fields from **ABS** ([ml_abs]) (=id, SLAName, MLName, PCode, PCodesAll, Area, cntTot, bDelete) and exports [ml_abs_tex] → ml_abs_tex.csv (published, where records have more than 50 associated patient-records) and ml_abs_texLowCount.csv (where records have less than or equal to 50 associated patient records). The first of these output files forms the basis for the creation of Table B.1. (The second is not used.)

18. DumpMODS02Exclude (018_DumpMODS02Exclude.sh)

018_DumpMODS02Exclude.sh creates database **MODS02LowCount** ([mods02lowcount]) and populates it with select fields of “low-count” records (=records with 50 or less associated patient records) from select (mostly look-up) tables from [mods02]. Creates a mysqldump of [mods02lowcount].

19. **DumpMODS02Publish** (019_DumpMODS02Publish.sh)
019_DumpMODS02Publish.sh creates database **MODS02Publish** ([mods02publish]) and populates it with “high-count” records (=records with more than 50 associated patient records) from select tables from [mods02]. Creates a mysqldump of [mods02publish].
20. **CreateExampleQuery** (020_CreateExampleQuery.py)
020_CreateExampleQuery.py creates **ExampleQuery** (which is subsequently exported as ml_example_query.csv, which forms the basis of Table C.1.
21. **CreateSummaryTablesLowCount** (021_CreateSummaryTablesLowCount.py)
021_CreateSummaryTablesLowCount.py exports the contents of all tables in database [mods02lowcount] as csv files. These files form the basis for the creation of the low-count summary-table listings in Appendix G.
22. **CreateSummaryTables** (022_CreateSummaryTables.py)
022_CreateSummaryTables.py exports the contents of all tables in database [mods02publish] as csv files. *Some* of these files (particularly those for look-up tables) form the basis for the creation of the summary-table listings in Chapter E. *All of them are published*, as detailed in Table 3.1.
23. **ExportCSVOfSchema** (023_ExportCSVOfSchema.sh) exports the schema of the [mods02publish] database in csv format. This export forms the basis for the creation of Table A.1.
24. **Publish** (024_Publish.sh) 024_Publish.sh creates a compressed-zip of the exported csv files from [mods02publish], and (optionally) *publishes* this compressed-zip, the mysqldump of [mods02publish] and this documentation.

APPENDIX E. TABLE COUNTS

Table F.1 lists the record counts in each **LMMML** table after each deletion-operation to remove records associated with low aggregate counts. The exclusion of patient records during import of records into the **MySQL** database is not covered by this table. Nor are the following ‘manual’ exclusions performed in **DumpMODS02Publish** (`019_DumpMODS02Publish.sh`) (which was run *after* the underlying data for Table F.1 was generated):

```
DELETE FROM ml_mbs WHERE Description IN ('2558', '2664'); -- 26 rows
DELETE FROM ml_mbs WHERE MBS_Item_No IN ('704', '729'); -- 21 rows
DELETE FROM ml_medication WHERE Prescription_Year IN (1965, 1970, 1975, 1980, 3000, 3200); -- 20 rows
```

Table E.1: [ml_table_counts]

id	sqlQuery	cntSex	cntSmoking	cntOrganisation	cntABS	cntMBS	cntMedication	cntMedicationType	cntMeasurement	cntMeasurementType	cntDiagnosisGrouping	cntDiagnosis	cntPatient
1	ITERATION No.0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
2	Pre-deletions Measurement	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
3	UPDATE ml_measurement_type.cntTot = ml_measurementTmpTmp SET ml_measurement_type.id = ml_measurementTmpTmp.Measurement_Type_id WHERE ml_measurement_type SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
4	UPDATE ml_measurement_type SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
5	UPDATE ml_measurement, ml_measurement_type SET ml_measurement.bDelete = ml_measurement.bDelete + 1 WHERE ml_measurement.Measurement_Type_id = ml_measurement_type.id AND ml_measurement_type.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
6	UPDATE ml_measurement, ml_measurement_type SET ml_measurement.cntTot = ml_measurement_type.cntTot WHERE ml_measurement.Measurement_Type_id = ml_measurement_type.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
7	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE id IN (SELECT DISTINCT Patient_id FROM ml_measurement WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
8	Pre-deletions Organisation	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
9	UPDATE ml_organisation_type, ml_organisationTmp SET ml_organisation_type.cntTot = ml_organisationTmp.cntTot WHERE ml_organisation_type.id = ml_organisationTmp.Organisation_Type_id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
10	UPDATE ml_organisation_type SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
11	UPDATE ml_organisation, ml_organisation_type SET ml_organisation.bDelete = ml_organisation.bDelete + 1 WHERE ml_organisation.Organisation_Type_id = ml_organisation_type.id AND ml_organisation_type.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
12	UPDATE ml_organisation, ml_organisation_type SET ml_organisation.cntTot = ml_organisation_type.cntTot WHERE ml_organisation.Organisation_Type_id = ml_organisation_type.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
13	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE Organisation_id IN (SELECT DISTINCT id FROM ml_organisation WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
14	Pre-deletions MBS	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183

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Table E.1 – Continued from previous page

id	sqlQuery	cntSex	cntSmoking	cntOrganisation	cntABS	cntMBS	cntMedication	cntMedicationType	cntMeasurement	cntMeasurementType	cntDiagnosisGrouping	cntDiagnosis	cntPatient
15	UPDATE ml_mbs, ml_patient SET ml_mbs.bDelete = ml_patient.bDelete + 1 WHERE ml_mbs.Patient_id = ml_patient.id AND ml_patient.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
16	UPDATE ml_mbs_item, (SELECT DISTINCT MBS_Item_No, count(*) AS cntTot FROM ml_mbs GROUP BY MBS_Item_No) AS ml_mbs_itemTmp SET ml_mbs_item.cntTot = ml_mbs_itemTmp.cntTot WHERE ml_mbs_item.MBS_Item_No = ml_mbs_itemTmp.MBS_Item_No	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
17	UPDATE ml_mbs_item SET bDelete = 1 WHERE cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
18	UPDATE ml_mbs, ml_mbs_item SET ml_mbs.bDelete = ml_mbs_item.bDelete WHERE ml_mbs.MBS_Item_id = ml_mbs_item.id AND ml_mbs.bDelete = 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
19	UPDATE ml_mbs, ml_mbs_item SET ml_mbs.cntTot = ml_mbs_item.cntTot WHERE ml_mbs.MBS_Item_id = ml_mbs_item.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
20	UPDATE ml_patient, ml_mbs SET ml_patient.bDelete = ml_patient.bDelete + 1 WHERE ml_mbs.Patient_id = ml_patient.id AND ml_mbs.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
21	Pre-deletions Diagnosis	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
22	UPDATE ml_diagnosis_grouping_desc, ml_diagnosisGroupingTmp SET ml_diagnosis_grouping_desc.cntTot = ml_diagnosisGroupingTmp.cntTot WHERE ml_diagnosis_grouping_desc.id = ml_diagnosisGroupingTmp.Diagnosis_Grouping_Desc_id_id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
23	UPDATE ml_diagnosis_grouping_desc SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
24	UPDATE ml_diagnosis, ml_diagnosis_grouping_desc SET ml_diagnosis.bDelete = ml_diagnosis.bDelete + 1 WHERE ml_diagnosis.Diagnosis_Grouping_Desc_id_id = ml_diagnosis_grouping_desc.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
25	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE id IN (SELECT DIS- TINCT Patient_id FROM ml_diagnosis WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
26	Pre-deletions Diagnosis	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
27	UPDATE ml_diagnosis_grouping, ml_diagnosisTmp SET ml_diagnosis_grouping.cntTot = ml_diagnosisTmp.cntTot WHERE ml_diagnosis_grouping.id = ml_diagnosisTmp.Diagnosis_Grouping_id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
28	UPDATE ml_diagnosis_grouping SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183

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Table E.1 – Continued from previous page

id	sqlQuery	cntSex	cntSmoking	cntOrganisation	cntABS	cntMBS	cntMedication	cntMedicationType	cntMeasurement	cntMeasurementType	cntDiagnosisGrouping	cntDiagnosis	cntPatient
29	UPDATE ml_diagnosis, ml_diagnosis_grouping SET ml_diagnosis.bDelete = ml_diagnosis.bDelete + 1 WHERE ml_diagnosis.Diagnosis_Grouping_id = ml_diagnosis_grouping.id AND ml_diagnosis_grouping.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
30	UPDATE ml_diagnosis, ml_diagnosis_grouping SET ml_diagnosis.cntTot = ml_diagnosis_grouping.cntTot WHERE ml_diagnosis.Diagnosis_Grouping_id = ml_diagnosis_grouping.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
31	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE id IN (SELECT DISTINCT Patient_id FROM ml_diagnosis WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
32	Pre-deletions Medication	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
33	UPDATE ml_medication_type_desc.cntTot SET ml_medication_type_desc.cntTot = ml_medication_type_desc.cntTot WHERE ml_medication_type_desc.id = ml_medicationDescTmp.cntTot WHERE ml_medication_type_desc.id = ml_medicationDescTmp.cntTot	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
34	UPDATE ml_medication_type_desc SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
35	UPDATE ml_medication, ml_medication_type_desc SET ml_medication.bDelete = ml_medication.bDelete + 1 WHERE ml_medication.Medication_Type_Desc_id = ml_medication_type_desc.id AND ml_medication_type_desc.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
36	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE id IN (SELECT DISTINCT Patient_id FROM ml_medication WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
37	Pre-deletions Medication	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
38	UPDATE ml_medication_type, ml_medicationTmp SET ml_medication_type.cntTot = ml_medicationTmp.cntTot WHERE ml_medication_type.id = ml_medicationTmp.Medication_Type_id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
39	UPDATE ml_medication_type SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
40	UPDATE ml_medication, ml_medication_type SET ml_medication.bDelete = ml_medication.bDelete + 1 WHERE ml_medication.Medication_Type_id = ml_medication_type.id AND ml_medication_type.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
41	UPDATE ml_medication, ml_medication_type SET ml_medication.cntTot = ml_medication_type.cntTot WHERE ml_medication.Medication_Type_id = ml_medication_type.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183

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Table E.1 – Continued from previous page

id	sqlQuery	cntSex	cntSmoking	cntOrganisation	cntABS	cntMBS	cntMedication	cntMedicationType	cntMeasurement	cntMeasurementType	cntDiagnosisGrouping	cntDiagnosis	cntPatient
42	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE id IN (SELECT DISTINCT Patient_id FROM ml_medication WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
43	Pre-deletions Episode	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
44	UPDATE ml_episode_type, ml_episodeTmp SET ml_episode_type.cntTot = ml_episodeTmp.cntTot WHERE ml_episode_type.id = ml_episodeTmp.Episode_Type_id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
45	UPDATE ml_episode_type SET bDelete = bDelete + 1 WHERE cntTot > 0 AND cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
46	UPDATE ml_episode, ml_episode_type SET ml_episode.bDelete = ml_episode.bDelete + 1 WHERE ml_episode.Episode_Type_id = ml_episode_type.id AND ml_episode_type.bDelete > 0	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
47	UPDATE ml_episode, ml_episode_type SET ml_episode.cntTot = ml_episode_type.cntTot WHERE ml_episode.Episode_Type_id = ml_episode_type.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
48	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE id IN (SELECT DISTINCT Patient_id FROM ml_episode WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
49	Pre-deletions Sex	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
50	UPDATE ml_sex, (SELECT ml_sex.id, count(*) AS cntTot from ml_sex, ml_patient WHERE ml_patient.Sex_id = ml_sex.id AND ml_sex.bDelete = 0 GROUP BY ml_sex.id) AS ml_sexTmp SET ml_sex.cntTot = ml_sexTmp.cntTot WHERE ml_sex.id = ml_sexTmp.id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
51	UPDATE ml_sex SET bDelete = bDelete + 1 WHERE cntTot < 50;	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
52	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE Sex_id IN (SELECT DISTINCT id FROM ml_sex WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
53	Pre-deletions Smoking	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
54	UPDATE ml_smoker, (SELECT ml_smoker.id, count(*) AS cntTot from ml_smoker, ml_patient WHERE ml_patient.Smoking_id = ml_smoker.id AND ml_smoker.bDelete = 0 GROUP BY ml_smoker.id) AS ml_smokerTmp SET ml_smoker.cntTot = ml_smokerTmp.cntTot WHERE ml_smoker.id = ml_smokerTmp.id;	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
55	UPDATE ml_smoker SET bDelete = bDelete + 1 WHERE cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
56	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE Smoking_id IN (SELECT DISTINCT id FROM ml_smoker WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183

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Table E.1 – Continued from previous page

id	sqlQuery	cntSex	cntSmoking	cntOrganisation	cntABS	cntMBS	cntMedication	cntMedicationType	cntMeasurement	cntMeasurementType	cntDiagnosisGrouping	cntDiagnosis	cntPatient
57	Pre-deletions ABS	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
58	UPDATE ml_abs, (SELECT ABS_id, count(*) AS cntTot FROM ml_patient WHERE bDelete = 0 GROUP BY ABS_id) AS ml_absTmp SET ml_abs.cntTot = ml_absTmp.cntTot WHERE ml_abs.id = ml_absTmp.ABS_id	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
59	UPDATE ml_abs SET bDelete = bDelete + 1 WHERE cntTot < 50	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183
60	UPDATE ml_patient SET bDelete = bDelete + 1 WHERE ABS_id IN (SELECT DISTINCT id FROM ml_abs WHERE bDelete > 0);	3	6	1455	1421	37035	763418	75	612407	28	46	156057	227183

APPENDIX F. FIELDS EXCLUDED

Table C.1 details fields present in the original **LMMML** data that were excluded from the published data. Reasons for exclusion are given in the table. Where exclusion is for reasons of anonymisation, the record entry indicates whether or not an aggregated replacement field is provided in its stead (=‘bReplacedByAggregate’).

Table F.1: [ml_excluded_fields]

id	tableName	columnName	exampleValue	reasonForExclusion	BReplacedByAggregate
1	ml_patient	Link_id	bde53d80-77c5-4c6c-ad05-33301882ab46	anonymisation	0
2	ml_patient	Record_id	11238-698.1-2013-06-05	anonymisation	0
3	ml_patient	IHI		always NULL	0
4	ml_patient	Practice_id	11238.0	anonymisation	0
5	ml_patient	OLD_Practice_id		always NULL	0
6	ml_patient	Extract_Time	*****	anonymisation	0
7	ml_patient	Extract_Year	*****	anonymisation	0
8	ml_patient	DOB	*****	anonymisation	0
9	ml_patient	Suburb	Cohuna	anonymisation	0
10	ml_patient	Postcode	3568.0	anonymisation	0
11	ml_patient	PostSub	3568COHUNA	redundant	0
12	ml_patient	ABS_Code	ML214-22250	redundant	0
13	ml_patient	Age	*	anonymisation	1
14	ml_patient	ATSI	*	anonymisation	0
15	ml_patient	Pensioner	*	anonymisation	0
16	ml_patient	DVA	*	anonymisation	0
17	ml_patient	Smoking_Review_Date	*****	anonymisation	1
18	ml_patient	Smoking_Quit_Year		anonymisation	0
19	ml_patient	Alcohol_Consumption_Frequency		anonymisation	0
20	ml_patient	Alcohol_Review_Date	*****	anonymisation	1
21	ml_patient	Sexuality		anonymisation	0
22	ml_patient	Marital_Status		anonymisation	0
23	ml_patient	Pregnancy_Indicator		anonymisation	0
24	ml_patient	Pregnancy_Imp		anonymisation	0
25	ml_patient	Pregnancy_Child_Birth_Date		anonymisation	0

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Table F.1 – Continued from previous page

id	tableName	columnName	exampleValue	reasonForExclusion	bReplacedByAggregate
26	ml_patient	Pregnancy_Gestation_at_Birth		anonymisation	0
27	ml_patient	Pregnancy_Child_Birth_Status		anonymisation	0
28	ml_patient	Child_Age_Months		anonymisation	0
29	ml_patient	Pregnancy_Child_Birth_Weight		anonymisation	0
30	ml_patient	Pregnancy_First_Antenatal_Visit		anonymisation	0
31	ml_patient	Pregnancy_Antenatal_Visits_Total		anonymisation	0
32	ml_patient	Last_Encounter_Service_Date	*****	anonymisation	1
33	ml_patient	Assigned_Servicing_Provider_Link_id	3dae9a83-54ae-4df4-acb4-114b9d785d25	anonymisation	0
34	ml_patient	OLD_Provider_id		always NULL	0
35	ml_patient	Service_Provider_Count_6mths_gp		anonymisation	0
36	ml_patient	Service_Provider_Count_12mths_gp		anonymisation	0
37	ml_patient	Service_Provider_Count_3mths_gp		anonymisation	0
38	ml_patient	Medications_Active_List		anonymisation	0
39	ml_patient	MBS_Last_12_Months_List		anonymisation	0
40	ml_patient	Patient_Status	Active	renamed	1
41	ml_patient	Patient_Ct	1.0	anonymisation	0
42	ml_patient	OLD_Record_ID		always null	0
43	ml_patient	OLD_Patient_ID		always null	0
44	ml_patient	NEW_Record_ID		always null	0
45	ml_patient	NEW_Patient_ID		always null	0
46	ml_patient	RandomKey		anonymisation	0
47	ml_episode	Episode_Start_Date	*****	anonymisation	0
48	ml_episode	Episode_Start_Year	*****	anonymisation	0
49	ml_episode	Episode_Type	*****	replaced	1
50	ml_diagnosis	Episode	*****	replaced	0
51	ml_diagnosis	Diagnosis_Date	*****	anonymisation	1
52	ml_measurement	Episode	*****	replaced	0

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Table F.1 – Continued from previous page

id	tableName	columnName	exampleValue	reasonForExclusion	bReplacedByAggregate
53	ml_measurement	PatientIDMap_id	*****	anonymisation	1
54	ml_measurement	Servicing_Provider_Link_id	*****	anonymisation	1
55	ml_measurement	Provider_id	*****	anonymisation	1
56	ml_mbs	Item_Done	*****	Always 1	0
57	ml_mbs	Service_Date	*****	anonymisation	1
58	ml_mbs	SIP_Done	*****	anonymisation	0
59	ml_mbs	SIP_Description	*****	anonymisation	0
60	ml_mbs	Next_Referral_Date	*****	anonymisation	1
61	ml_mbs	Provider_id	*****	NULL for all values	0
62	ml_medication	Prescription_Date	*****	anonymisation	1
63	ml_medication	End_Date	*****	anonymisation	1
64	ml_medication	Calculated_End_Date	anonymisation	0.0	0

APPENDIX G. RECORDS EXCLUDED

Tables G.3 – G.7 list *excluded* patient-episode record-counts grouped as follows:

Table G.1 : Record-counts of patient-episodes excluded by **Sex**

Table G.2 : Record-counts of patient-episodes excluded by **Smoking**

Table G.3 : Record-counts of patient-episodes excluded by **DiagnosisGrouping**

Table G.4 : Record-counts of patient-episodes excluded by **MBSDataForm**

Table G.5 : Record-counts of patient-episodes excluded by **MedicationType**

Table G.6 : Record-counts of patient-episodes excluded by **MedicationTypeDesc**

Table G.7 : Record-counts of patient-episodes excluded by **MeasurementType**

A record-count of ‘0’ indicates there were no patient-records associated with the designated category–value; consequently, this category-value is not included in the published data.

Because a given **Patient**-record may be excluded (more accurately, flagged for exclusion) by multiple category-values, the counts given in the following tables will not necessarily match the figures given in Table 3.1 or Chapter E.

Table G.1: [ml_sexLowCount]

id	Sex_Desc	cntTot
9	Not Recorded	0

Table G.2: [ml_smokerLowCount]

id	Smoker_Desc	cntTot
2	Irregular	0

Table G.3: [ml_diagnosis_groupingLowCount]

id	PEN_Diagnosis	Diagnosis_Grouping_Desc_id	cntTot
2	Gonorrhoea	13	31
4	Syphilis	13	16
31	Calcium Deficiency	5	18
44	Renal Artery Stenosis	6	35

Table G.4: [ml_mbs_itemLowCount]

id	MBS_Item_No	cntTot
18	729	6
21	704	15

Table G.5: [ml_medication_typeLowCount]

id	Medication	Medication_Type_Desc	cntTot
10	Antidepressants	Mao Inhibitors	6
16	Antihypertensives	Vasodilators	8
75	Tumour Necrosis Factor Antagonists		26
			48

Table G.6: [ml_medication_type_descLowCount]

id	Medication_Type_Desc	cntTot
8	Antihypertensives	30
26	Tumour Necrosis Factor Antagonists	48

Table G.7: [ml_measurement_typeLowCount]

id	Measurement	cntTot
1	Albumin Urinary Excretion	27

APPENDIX H. RECORDS EXCLUDED – ABS DATA

Table H.1 lists contents of all “low-count” (**ABS**) Locations (=SLAs). **Patient** records associated with these locations have been excluded from the published data.

Table H.1: [ml_abs_texLowCount]

id	SLAName	MLName	PCode	PCodesAll	Area	cntTot
ML101-11100		ML_Name_Unknown		Unknown		1
ML101-16550	Randwick (C)	Eastern Sydney	2031	2031, 2032, 2033, 2034, 2035, 2036, 2052	36.33066300	16
ML101-17201	Sydney (C) - Inner	Eastern Sydney	2000	2000, 2007, 2010, 2011	4.20312600	5
ML101-17204	Sydney (C) - East	Eastern Sydney	2010	2010, 2011, 2021	6.02699000	5
ML101-18050	Waverley (A)	Eastern Sydney	2022	2022, 2024, 2026, 2029, 2030	9.24295600	7
ML101-18500	Woollahra (A)	Eastern Sydney	2021	2021, 2023, 2025, 2027, 2028, 2029, 2030	12.27401000	8
ML102-10150	Ashfield (A)	Inner West Sydney	2045	2045, 2130, 2131, 2132, 2133, 2193	8.28117000	3
ML102-11300	Burwood (A)	Inner West Sydney	2132	2132, 2133, 2134, 2135, 2136	7.12817200	1
ML102-11521	Canada Bay (A) - Concord	Inner West Sydney	2137	2135, 2137, 2138, 2139	11.60264600	2
ML102-11524	Canada Bay (A) - Drummoyne	Inner West Sydney	2046	2046, 2047	8.29071700	1
ML102-11550	Canterbury (C)	Inner West Sydney	2191	2133, 2191, 2192, 2193, 2194, 2195, 2196, 2204, 2206, 2208, 2209, 2210	33.56387500	4
ML102-14800	Leichhardt (A)	Inner West Sydney	2038	2038, 2039, 2040, 2041, 2045, 2048	10.54985200	4
ML102-15200	Marrickville (A)	Inner West Sydney	2042	2042, 2044, 2048, 2049, 2050, 2130, 2203, 2204	16.51965900	8
ML102-17100	Strathfield (A)	Inner West Sydney	2129	2129, 2133, 2135, 2136, 2140, 2190, 2191	13.89964800	1
ML102-17205	Sydney (C) - South	Inner West Sydney	2015	2008, 2015, 2016, 2017, 2018, 2033, 2042, 2043, 2044	10.80290600	9
ML102-17206	Sydney (C) - West	Inner West Sydney	2006	2000, 2006, 2007, 2008, 2009, 2010, 2037, 2038, 2050	5.69262300	3
ML103-14150	Hurstville (C)	South Eastern Sydney	2209	2208, 2209, 2210, 2218, 2220, 2222, 2223	22.72414400	8
ML103-14450	Kogarah (C)	South Eastern Sydney	2218	2217, 2218, 2219, 2220, 2221, 2222, 2223	15.54789200	5
ML103-16650	Rockdale (C)	South Eastern Sydney	2205	2205, 2207, 2208, 2216, 2217, 2218, 2219	28.21929000	8
ML103-17151	Sutherland Shire (A) - East	South Eastern Sydney	2224	2224, 2227, 2228, 2229, 2230, 2231, 2232, 2233	147.39278700	12
ML103-17152	Sutherland Shire (A) - West	South Eastern Sydney	2225	2172, 2224, 2225, 2226, 2227, 2232, 2233, 2234	186.18610700	18
ML104-10353	Bankstown (C) - North-West	South Western Sydney	2162	2143, 2162, 2163, 2197, 2198, 2199, 2200, 2212	31.31137600	4
ML104-10355	Bankstown (C) - South	South Western Sydney	2211	2200, 2211, 2212, 2213, 2214	28.79929300	7
ML104-11450	Camden (A)	South Western Sydney	2557	2179, 2556, 2557, 2567, 2570, 2745	201.26331200	4
ML104-11501	Campbelltown (C) - North	South Western Sydney	2167	2167, 2173, 2558, 2559, 2564, 2565, 2566	81.83737800	7
ML104-11504	Campbelltown (C) - South	South Western Sydney	2560	2559, 2560, 2563, 2566, 2568	230.30236100	4
ML104-12851	Fairfield (C) - East	South Western Sydney	2163	2161, 2163, 2164, 2165, 2166, 2170	37.34956200	3
ML104-12854	Fairfield (C) - West	South Western Sydney	2175	2164, 2166, 2170, 2171, 2175, 2176, 2177, 2178	64.17240900	2
ML104-14901	Liverpool (C) - East	South Western Sydney	2170	2168, 2170, 2172, 2173	112.97135300	7
ML104-14904	Liverpool (C) - West	South Western Sydney	2168	2168, 2170, 2171, 2174, 2177, 2178, 2179, 2555, 2556, 2557, 2565, 2745	192.45968100	6
ML104-18350	Wingecarribee (A)	South Western Sydney	2575	2571, 2575, 2576, 2577, 2578, 2579, 2580	2688.39008100	9

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML104-18400	Wollondilly (A)	South Western Sydney	2568	2508, 2560, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2745, 2752, 2787	2555.93616400	7
ML105-10200	Auburn (C)	Western Sydney	2127	2127, 2128, 2141, 2143, 2144	32.47705800	1
ML105-10501		ML_Name_Unknown		Unknown		9
ML105-10503		ML_Name_Unknown		Unknown		4
ML105-10505		ML_Name_Unknown		Unknown		3
ML105-10751	Blacktown (C) - North	Western Sydney	2762	2147, 2148, 2153, 2155, 2747, 2761, 2762, 2763, 2765, 2767, 2768, 2769	115.19955000	6
ML105-10752	Blacktown (C) - South-East	Western Sydney	2147	2146, 2147, 2148, 2766, 2767	59.19811500	3
ML105-10753	Blacktown (C) - South-West	Western Sydney	2761	2760, 2761, 2766, 2770	65.70733900	8
ML105-13950	Holroyd (C)	Western Sydney	2145	2142, 2145, 2146, 2150, 2160, 2161, 2164, 2165	40.18122300	3
ML105-16251	Parramatta (C) - Inner	Western Sydney	2123	2116, 2117, 2123, 2142, 2145, 2150, 2151, 2152	18.66814700	3
ML105-16252	Parramatta (C) - North-East	Western Sydney	2115	2114, 2115, 2116, 2117, 2118, 2121, 2122	17.79645400	2
ML105-16253	Parramatta (C) - North-West	Western Sydney	2146	2145, 2146, 2152, 2153	13.88964700	3
ML105-16254	Parramatta (C) - South	Western Sydney	2142	2142, 2160, 2161, 2162	11.00237200	1
ML106-10900	Blue Mountains (C)	Nepean - Blue Mountains	2773	2758, 2773, 2774, 2776, 2777, 2778, 2779, 2780, 2782, 2783, 2784, 2785, 2786, 2787, 2790	1431.14490800	11
ML106-13800	Hawkesbury (C)	Nepean - Blue Mountains	2753	2753, 2754, 2755, 2756, 2757, 2758, 2765, 2775	2774.64121300	7
ML106-14870	Lithgow (C)	Nepean - Blue Mountains	2790	2785, 2786, 2787, 2790, 2795, 2845, 2846, 2847, 2848, 2849	4511.84688400	5
ML106-16351	Penrith (C) - East	Nepean - Blue Mountains	2747	2178, 2555, 2745, 2747, 2748, 2750, 2753, 2756, 2759, 2760, 2765	244.69626200	10
ML106-16354	Penrith (C) - West	Nepean - Blue Mountains	2745	2745, 2747, 2749, 2750, 2753	159.93539700	14
ML107-14001	Hornsby (A) - North	Northern Sydney	2079	2077, 2079, 2080, 2081, 2082, 2083, 2120, 2125, 2126, 2154, 2156, 2157, 2158, 2159, 2756, 2775	419.11167300	7
ML107-14004	Hornsby (A) - South	Northern Sydney	2077	2076, 2077, 2118, 2119, 2120, 2121, 2122, 2125, 2126	42.99564800	7
ML107-14100	Hunters Hill (A)	Northern Sydney	2110	2110, 2111	5.71705900	3
ML107-14500	Ku-ring-gai (A)	Northern Sydney	2069	2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076	84.13283900	14
ML107-16700	Ryde (C)	Northern Sydney	2109	2067, 2109, 2110, 2111, 2112, 2113, 2114, 2122	40.47294000	7
ML108-14700	Lane Cove (A)	Sydney North Shore and Beaches	2066	2065, 2066	10.47954900	3
ML108-15150	Manly (A)	Sydney North Shore and Beaches	2092	2092, 2093, 2094, 2095	14.35515500	6
ML108-15350	Mosman (A)	Sydney North Shore and Beaches	2088	2088.0	8.65099000	8
ML108-15950	North Sydney (A)	Sydney North Shore and Beaches	2060	2060, 2061, 2062, 2065, 2089, 2090	10.47256700	9
ML108-16370	Pittwater (A)	Sydney North Shore and Beaches	2101	2084, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108	90.32835900	9

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id	SLAName	MLName	PCode	PCodeSAll	Area	cntTot
ML108-18000	Warringah (A)	Sydney North Shore and Beaches	2084	2084, 2085, 2086, 2087, 2093, 2096, 2097, 2099, 2100, 2101	149.35325100	4
ML108-18250	Willoughby (C)	Sydney North Shore and Beaches	2063	2063, 2064, 2065, 2066, 2067, 2068, 2069	22.42931800	3
ML109-13101	Gosford (C) - East	Central Coast NSW	2251	2250, 2251, 2257, 2260	110.97455400	13
ML109-13104	Gosford (C) - West	Central Coast NSW	2250	2083, 2250, 2251, 2256, 2257, 2258, 2775	828.91305100	15
ML109-18551	Wyong (A) - North-East	Central Coast NSW	2259	2259, 2262, 2263	190.65200700	12
ML109-18554	Wyong (A) - South and West	Central Coast NSW	2258	2250, 2258, 2259, 2260, 2261	549.14572800	11
ML110-14400	Kiama (A)	Illawarra - Shoalhaven	2533	2527, 2533, 2534, 2535, 2577	257.74263100	1
ML110-16900	Shellharbour (C)	Illawarra - Shoalhaven	2527	2527, 2528, 2529, 2577	147.36018200	14
ML110-16951	Shoalhaven (C) - Pt A	Illawarra - Shoalhaven	2541	2535, 2540, 2541	210.20444300	15
ML110-16952	Shoalhaven (C) - Pt B	Illawarra - Shoalhaven	2535	2535, 2536, 2538, 2539, 2540, 2577, 2622	4320.22725200	15
ML110-18451	Wollongong (C) - Inner	Illawarra - Shoalhaven	2500	2500, 2505, 2508, 2515, 2516, 2517, 2518, 2519, 2522, 2525	75.77964000	23
ML110-18454	Wollongong (C) Bal	Illawarra - Shoalhaven	2502	2500, 2502, 2505, 2506, 2508, 2525, 2526, 2528, 2530	608.15508400	14
ML111-11720	Cessnock (C)	Hunter	2325	2250, 2320, 2321, 2322, 2323, 2325, 2326, 2327, 2334, 2335	1965.40660200	5
ML111-12700	Dungog (A)	Hunter	2311	2311, 2320, 2321, 2420, 2421	2250.01785600	3
ML111-13050	Gloucester (A)	Hunter	2422	2422, 2424	2950.16751400	1
ML111-13350		ML_Name_Unknown		Unknown		15
ML111-13400		ML_Name_Unknown		Unknown		13
ML111-14651	Lake Macquarie (C) - East	Hunter	2280	2267, 2280, 2281, 2282, 2290, 2306	84.36499300	6
ML111-14653	Lake Macquarie (C) - North	Hunter	2278	2267, 2278, 2282, 2284, 2285, 2286, 2287, 2289, 2290, 2305	159.66719200	14
ML111-14655	Lake Macquarie (C) - West	Hunter	2264	2259, 2264, 2265, 2267, 2283, 2284, 2323	403.95463000	15
ML111-15050	Maitland (C)	Hunter	2320	2320, 2321, 2322, 2323, 2324, 2326, 2334, 2335, 2421	391.51716700	6
ML111-15650	Muswellbrook (A)	Hunter	2328	2328, 2330, 2333, 2336	3404.99026900	2
ML111-15903	Newcastle (C) - Inner City	Hunter	2291	2289, 2291, 2293, 2294, 2295, 2296, 2297, 2300, 2302, 2303, 2304	56.75385100	7
ML111-15904	Newcastle (C) - Outer West	Hunter	2287	2287, 2298, 2299, 2304, 2307, 2308, 2322	100.20200900	5
ML111-15905	Newcastle (C) - Throsby	Hunter	2289	2289, 2291, 2292, 2298, 2299, 2302, 2303, 2304, 2305, 2308	29.81668900	6
ML111-16400	Port Stephens (A)	Hunter	2314	2295, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2324	858.47328600	12
ML111-17000	Singleton (A)	Hunter	2330	2311, 2320, 2325, 2330, 2331, 2335	4892.83103500	13
ML111-17620	Upper Hunter Shire (A)	Hunter	2329	2329, 2333, 2336, 2337, 2338, 2850	8096.06328600	2
ML113-10250	Ballina (A)	North Coast NSW	2477	2472, 2477, 2478, 2479, 2480, 2481	484.71639700	5
ML113-10600	Bellingen (A)	North Coast NSW	2453	2441, 2448, 2449, 2453, 2454, 2455	1600.37292400	3
ML113-11350	Byron (A)	North Coast NSW	2479	2479, 2480, 2481, 2482, 2483	565.84692500	10
ML113-11736	Clarence Valley (A) - Coast	North Coast NSW	2462	2460, 2462, 2463, 2464, 2465, 2466, 2469	1937.23950100	7
ML113-11737	Clarence Valley (A) - Grafton	North Coast NSW	2460	2460, 2462	487.49299300	3
ML113-11738	Clarence Valley (A) Bal	North Coast NSW	0	2370, 2450, 2453, 2456, 2460, 2469	8004.04101100	1
ML113-11801	Coffs Harbour (C) - Pt A	North Coast NSW	2441	2441, 2450, 2452, 2454	215.22724900	13

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML113-11804	Coffs Harbour (C) - Pt B	North Coast NSW	2456	2450, 2456, 2460	958.51098200	7
ML113-14350	Kempsey (A)	North Coast NSW	2431	2431, 2440, 2441	3375.66962700	8
ML113-14550	Kyogle (A)	North Coast NSW	2469	2469, 2470, 2474, 2475, 2476, 2480	3584.01926400	6
ML113-14851	Lismore (C) - Pt A	North Coast NSW	2480	2477, 2480	166.02450900	6
ML113-14854	Lismore (C) - Pt B	North Coast NSW	0	2470, 2471, 2472, 2477, 2480	1121.76708500	3
ML113-15700	Nambucca (A)	North Coast NSW	2447	2441, 2447, 2448, 2449, 2454	1491.35291500	3
ML113-16381	Port Macquarie-Hastings (A) - Pt A	North Coast NSW	2444	2444, 2446	107.52924400	16
ML113-16385	Port Macquarie-Hastings (A) - Pt B	North Coast NSW	2439	2429, 2439, 2441, 2443, 2444, 2445, 2446	3575.48649800	11
ML113-16611	Richmond Valley (A) - Casino	North Coast NSW	2470	2470.0	91.27886300	4
ML113-16612	Richmond Valley (A) Bal	North Coast NSW	2471	2469, 2470, 2471, 2472, 2473, 2480	2956.10928800	4
ML113-17554	Tweed (A) - Tweed-Heads	North Coast NSW	2485	2485, 2486, 2487, 2490	126.66297500	14
ML113-17556	Tweed (A) - Tweed Coast	North Coast NSW	2488	2483, 2484, 2487, 2488, 2489	104.31385300	2
ML113-17558	Tweed (A) - Pt B	North Coast NSW	2484	2483, 2484, 2486, 2487, 2488, 2490	1076.46547800	3
ML114-10111	Armidale Dumaresq (A) - City	New England	2350	2350, 2351	34.69105900	1
ML114-10112	Armidale Dumaresq (A) Bal	New England	0	2350, 2351, 2365, 2440, 2453	4196.14385200	3
ML114-13010	Glen Innes Severn (A)	New England	2370	2365, 2370, 2371	5480.35709700	1
ML114-13550	Gunnedah (A)	New England	2379	2340, 2341, 2342, 2343, 2379, 2380, 2381, 2382	4987.40899200	1
ML114-13650	Guyra (A)	New England	2365	2350, 2359, 2360, 2365, 2369, 2453	4389.54835500	2
ML114-14202	Inverell (A) - Pt B	New England	2360	2360, 2365, 2369, 2370	1725.82040500	2
ML114-14920	Liverpool Plains (A)	New England	2339	2338, 2339, 2341, 2342, 2343, 2381	5082.31543500	6
ML114-15300	Moree Plains (A)	New England	2398	2387, 2390, 2397, 2398, 2399, 2400, 2401, 2405, 2406, 2409, 2833	17905.94406000	3
ML114-15750	Narrabri (A)	New England	2356	2347, 2356, 2382, 2386, 2387, 2388, 2390, 2397	13014.06763000	7
ML114-17311	Tamworth Regional (A) - Pt A	New England	2340	2340, 2345, 2352, 2353	486.13888000	9
ML114-17314	Tamworth Regional (A) - Pt B	New England	2344	2338, 2340, 2342, 2344, 2345, 2346, 2347, 2352, 2353, 2354, 2355, 2359	9398.07830300	2
ML114-17650	Uralla (A)	New England	2358	2350, 2354, 2358, 2359	3226.46455000	4
ML114-17850	Walcha (A)	New England	2354	2354.0	6261.29162200	38
ML115-10471	Bathurst Regional (A) - Pt A	Western NSW	2795	2795.0	239.97153000	6
ML115-10473	Bathurst Regional (A) - Pt B	Western NSW	0	2583, 2787, 2795, 2799, 2850	3576.46023500	3
ML115-10850	Blayney (A)	Western NSW	2791	2791, 2792, 2795, 2797, 2798, 2799, 2800	1524.88146600	9
ML115-10950	Bogan (A)	Western NSW	2825	2825, 2831, 2835	14600.47915000	2
ML115-11400	Cabonne (A)	Western NSW	2804	2795, 2798, 2799, 2800, 2804, 2805, 2806, 2864, 2865, 2866, 2867, 2868, 2870	6023.93022900	3
ML115-12150	Coonamble (A)	Western NSW	2828	2828, 2829, 2831	9915.85089600	3
ML115-12350	Cowra (A)	Western NSW	2793	2792, 2793, 2794, 2799, 2804, 2805, 2807, 2808	2808.67437100	5
ML115-12601	Dubbo (C) - Pt A	Western NSW	2830	2830.0	329.86069600	12
ML115-12900	Forbes (A)	Western NSW	2871	2671, 2805, 2806, 2810, 2870, 2871, 2875, 2877	4718.08004200	4

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML115-12950	Gilgandra (A)	Western NSW	2827	2827, 2828, 2830, 2831, 2842	4832.00831900	9
ML115-14600	Lachlan (A)	Western NSW	2672	2669, 2671, 2672, 2825, 2871, 2873, 2874, 2875, 2877	11656.46259000	13
ML115-15271	Mid-Western Regional (A) - Pt A	Western NSW	2850	2795, 2844, 2850, 2852	5912.53496400	8
ML115-16100	Oberon (A)	Western NSW	2787	2580, 2787, 2790, 2795	3626.88317400	2
ML115-16150	Orange (C)	Western NSW	2800	2798, 2800	283.93707000	13
ML115-16200	Parkes (A)	Western NSW	2869	2823, 2869, 2870, 2871, 2874, 2875, 2876	5954.92019400	6
ML115-18020	Warrumbungle Shire (A)	Western NSW	2357	2329, 2357, 2379, 2381, 2395, 2396, 2829, 2831, 2842, 2843, 2844	12371.08929000	3
ML115-18100	Weddin (A)	Western NSW	2721	2594, 2721, 2794, 2809, 2810, 2871	3408.54611500	2
ML115-18150	Wellington (A)	Western NSW	2820	2800, 2820, 2830, 2831, 2850, 2852, 2866, 2867, 2868	4110.08840200	4
ML116-10800	Bland (A)	Murrumbidgee	2668	2665, 2666, 2668, 2669, 2671, 2721	8557.71237300	4
ML116-11050	Boorowa (A)	Murrumbidgee	2586	2583, 2586, 2794, 2808	2577.97448700	1
ML116-11600	Carrathool (A)	Murrumbidgee	2675	2652, 2665, 2669, 2675, 2680, 2681, 2711, 2878	18932.49799000	17
ML116-12000	Coolamon (A)	Murrumbidgee	2701	2652, 2663, 2665, 2701, 2702	2430.92956000	6
ML116-12200	Cootamundra (A)	Murrumbidgee	2588	2588, 2590, 2594, 2722, 2725, 2727	1523.75255400	4
ML116-13450	Griffith (C)	Murrumbidgee	2680	2652, 2680, 2681, 2705	1639.94113000	17
ML116-13500	Gundagai (A)	Murrumbidgee	2722	2722, 2727, 2729	2457.13660200	5
ML116-13700	Harden (A)	Murrumbidgee	2585	2582, 2584, 2585, 2587, 2594, 2726	1868.24508000	3
ML116-14300	Junce (A)	Murrumbidgee	2663	2590, 2650, 2652, 2663, 2666, 2729	2029.99735200	5
ML116-14750	Leeton (A)	Murrumbidgee	2703	2700, 2703, 2705	1166.96532500	18
ML116-14950	Lockhart (A)	Murrumbidgee	2655	2642, 2645, 2652, 2655, 2656, 2658, 2659	2895.85165600	3
ML116-15550	Murrumbidgee (A)	Murrumbidgee	2706	2705, 2706, 2707, 2711	3506.66696800	6
ML116-15800	Narrandera (A)	Murrumbidgee	2665	2650, 2652, 2665, 2700, 2705	4116.23514800	6
ML116-17350	Temora (A)	Murrumbidgee	2666	2665, 2666, 2668, 2725	2802.01547800	4
ML116-17450	Tumbarumba (A)	Murrumbidgee	2624	2624, 2640, 2642, 2644, 2649, 2652, 2653, 2730, 3707, 3709	4392.45698100	5
ML116-17500	Tumut Shire (A)	Murrumbidgee	2720	2611, 2629, 2649, 2653, 2720, 2722, 2729, 2730	4566.62856700	6
ML116-17751	Wagga Wagga (C) - Pt A	Murrumbidgee	2650	2650, 2651, 2652, 2661, 2678	220.07219900	41
ML116-17754	Wagga Wagga (C) - Pt B	Murrumbidgee	2652	2644, 2650, 2651, 2652, 2655, 2656, 2661, 2702	4605.80139500	3
ML116-18750	Young (A)	Murrumbidgee	2594	2586, 2594, 2666, 2803, 2807	2692.68067600	5
ML117-10550	Bega Valley (A)	Southern NSW	2548	2546, 2548, 2549, 2550, 2551, 2632	6279.00720800	19
ML117-11000	Bombala (A)	Southern NSW	2632	2551, 2630, 2631, 2632, 2633	3946.56662000	2
ML117-12050	Cooma-Monaro (A)	Southern NSW	2626	2620, 2621, 2622, 2626, 2629, 2630, 2631	5184.62891800	1
ML117-12750	Eurobodalla (A)	Southern NSW	2536	2536, 2537, 2545, 2546, 2622	3428.16547800	14
ML117-13311	Goulburn Mulwaree (A) - Goulburn	Southern NSW	2580	2580.0	55.42524600	6
ML117-13314	Goulburn Mulwaree (A) Bal	Southern NSW	2579	2579, 2580, 2581, 2622	3164.58257300	1
ML117-16181	Palerang (A) - Pt A	Southern NSW	2621	2581, 2620, 2621, 2622, 2623, 2900	1406.91688200	3
ML117-16470	Queanbeyan (C)	Southern NSW	2619	2619, 2620	172.36129200	13
ML117-17050	Snowy River (A)	Southern NSW	2625	2625, 2627, 2628, 2629, 2630	6030.37930700	2

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML117-17640	Upper Lachlan Shire (A)	Southern NSW	2581	2579, 2580, 2581, 2582, 2583, 2787, 2808	7127.46134500	2
ML117-18710	Yass Valley (A)	Southern NSW	2582	2581, 2582, 2584, 2611, 2618, 2620, 2621	3998.15206500	5
ML118-11150	Bourke (A)	Far West NSW	2840	2831, 2840, 4493	41604.30098000	6
ML118-11200	Brewarrina (A)	Far West NSW	2839	2831, 2832, 2839, 2840	19165.77009000	2
ML118-11250	Broken Hill (C)	Far West NSW	2880	2880.0	170.29426300	26
ML118-11700	Central Darling (A)	Far West NSW	2836	2836, 2840, 2878, 2879	53493.89077000	3
ML118-11750	Cobar (A)	Far West NSW	2835	2672, 2831, 2835, 2840, 2877	45570.94943000	10
ML118-17900	Walgett (A)	Far West NSW	2386	2386, 2387, 2388, 2831, 2832, 2833, 2834	22308.76210000	5
ML201-24601	Melbourne (C) - Inner	Inner North West Melbourne	3000	3000.0	1.91983800	34
ML201-24605	Melbourne (C) - S'bank-D'lands	Inner North West Melbourne	3005	3005, 3006, 3008, 3207	4.72187600	11
ML201-27352	Yarra (C) - Richmond	Inner North West Melbourne	3121	3121.0	6.21235000	47
ML202-20911	Bayside (C) - Brighton	Bayside	3186	3186, 3187	13.80834700	29
ML202-20912	Bayside (C) - South	Bayside	3188	3186, 3187, 3188, 3190, 3191, 3192, 3193	23.40253100	39
ML202-25902	Port Phillip (C) - West	Bayside	3004	3004, 3006, 3205, 3206, 3207	11.94920100	41
ML202-26352	Stonnington (C) - Malvern	Bayside	3144	3142, 3143, 3144, 3145, 3146	16.07266700	29
ML203-27264	Wyndham (C) - South	South Western Melbourne	3030	3030.0	140.15732300	32
ML203-27267	Wyndham (C) - West	South Western Melbourne	3024	3024, 3030, 3211, 3338	255.98178000	35
ML205-25713	Nilumbik (S) - South	Northern Melbourne	3095	3095, 3096, 3097, 3113	65.83473100	39
ML205-25718	Nilumbik (S) Bal	Northern Melbourne	3099	3091, 3096, 3097, 3099, 3754, 3755, 3759, 3760, 3761, 3763, 3775	313.59812300	16
ML206-21111	Boroondara (C) - Camberwell N.	Inner East Melbourne	3103	3102, 3103, 3104, 3124, 3126, 3127	17.59320500	25
ML206-21113	Boroondara (C) - Hawthorn	Inner East Melbourne	3122	3122, 3123, 3124, 3142, 3146	9.88214200	49
ML206-21114	Boroondara (C) - Kew	Inner East Melbourne	3101	3101, 3102	14.51144500	28
ML206-24211	Manningham (C) - East	Inner East Melbourne	3113	3106, 3109, 3111, 3113, 3114, 3115, 3134	57.97635700	20
ML206-24971	Monash (C) - South-West	Inner East Melbourne	3148	3148, 3166, 3167, 3168, 3800	21.45924400	48
ML206-24974	Monash (C) - Waverley East	Inner East Melbourne	3150	3150, 3170	27.92116400	34
ML207-23674	Knox (C) - South	Eastern Melbourne	3178	3156, 3178, 3179, 3180	42.22713000	38
ML207-27451	Yarra Ranges (S) - Central	Eastern Melbourne	3139	3139, 3777, 3797, 3799, 3833	421.72866400	19
ML207-27452	Yarra Ranges (S) - Dandenongs	Eastern Melbourne	3158	3156, 3158, 3159, 3160, 3765, 3766, 3767, 3782, 3785, 3786, 3787, 3788, 3789, 3791, 3792, 3793, 3795, 3796	147.39845100	49
ML207-27454	Yarra Ranges (S) - North	Eastern Melbourne	3775	3792, 3793, 3795, 3804	387.84447200	24
ML207-27456	Yarra Ranges (S) - Seville	Eastern Melbourne	3770	3139, 3770, 3775, 3777	273.66750100	11
ML207-27458	Yarra Ranges (S) - Pt B	Eastern Melbourne	0	3799.0	1132.25026800	1
ML208-21452	Cardinia (S) - North	South Eastern Melbourne	3781	3139, 3159, 3781, 3782, 3783, 3807, 3808, 3810, 3812, 3813, 3814, 3815, 3816, 3981	714.96362500	45
ML208-21454	Cardinia (S) - South	South Eastern Melbourne	3981	3816, 3978, 3980, 3981, 3984, 3987	349.02843200	10
ML208-21616	Casey (C) - Hallam	South Eastern Melbourne	3177	3156, 3177, 3802, 3803, 3804, 3805	40.17183700	40
ML208-21618	Casey (C) - South	South Eastern Melbourne	3978	3806, 3912, 3977, 3978, 3980	202.18886200	18
ML208-22671	Gr. Dandenong (C) - Dandenong	South Eastern Melbourne	3175	3173, 3174, 3175	38.87957800	30
ML208-22674	Gr. Dandenong (C) Bal	South Eastern Melbourne	3171	3171, 3172, 3173, 3174, 3175, 3975	90.71597300	49
ML210-21751	Colac-Otway (S) - Colac	Barwon	3250	3250.0	20.54845200	30

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML210-21754	Colac-Otway (S) - North	Barwon	3242	3235, 3236, 3241, 3242, 3243, 3249, 3250, 3251, 3254, 3260, 3266, 3321, 3322, 3329	1867.43263500	13
ML210-21755	Colac-Otway (S) - South	Barwon	3233	3221, 3233, 3236, 3237, 3238, 3239, 3249, 3266	1549.50153800	13
ML210-22492	Golden Plains (S) - South-East	Barwon	3321	3321, 3321, 3322, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3342, 3351, 3352	1666.00555400	22
ML210-22753	Geelong	Barwon	0	3219, 3220	13.02464100	44
ML210-22754	Geelong West	Barwon	3218	3215, 3218, 3220	6.22860100	34
ML210-22755	Newtown	Barwon	3220	3220.0	6.31667800	11
ML210-22758	Greater Geelong (C) - Pt C	Barwon	0	3211, 3212, 3221, 3340	552.75648400	3
ML210-26080	Queenscliffe (B)	Barwon	3225	3225.0	8.61832800	19
ML210-26493	Surf Coast (S) - East	Barwon	3228	3216, 3221, 3227, 3228, 3240, 3321	356.11272800	33
ML210-26495	Surf Coast (S) - West	Barwon	3230	3216, 3228, 3230, 3231, 3232, 3235, 3240, 3241, 3242, 3321	1196.82150900	13
ML211-22491	Golden Plains (S) - North-West	Grampians	3351	3324, 3351, 3352, 3360	1037.42388500	22
ML211-22980	Hindmarsh (S)	Grampians	3414	3393, 3395, 3401, 3414, 3418, 3419, 3423, 3424	7524.18203200	38
ML211-23194	Horsham (RC) Bal	Grampians	3401	3385, 3390, 3401, 3409	4243.23258400	13
ML211-25154	Moorabool (S) - Ballan	Grampians	3341	3334, 3340, 3341, 3342, 3345, 3352, 3458, 3461	908.17565300	20
ML211-25155	Moorabool (S) - West	Grampians	3334	3333, 3334, 3345, 3352, 3357, 3364, 3461	595.13644000	7
ML211-25991	Pyrenees (S) - North	Grampians	3467	3352, 3371, 3373, 3377, 3384, 3465, 3467, 3468, 3469, 3477, 3478	1938.99918900	35
ML211-25994	Pyrenees (S) - South	Grampians	3373	3325, 3351, 3352, 3360, 3361, 3373, 3375	1495.57045600	14
ML211-26890	West Wimmera (S)	Grampians	3317	3312, 3317, 3318, 3319, 3401, 3409, 3412, 3413, 3415, 3418, 3419, 3420	9108.37763700	18
ML211-27631	Yarriambiack (S) - North	Grampians	3395	3395, 3396, 3424, 3485, 3487, 3488, 3489, 3491	3794.66822700	32
ML212-21831	Corangamite (S) - North	Great South Coast	3260	3251, 3260, 3264, 3265, 3266, 3271, 3322, 3323, 3324, 3325, 3352, 3360, 3361	2687.48542800	36
ML212-21832	Corangamite (S) - South	Great South Coast	3266	3237, 3239, 3249, 3260, 3265, 3266, 3267, 3268, 3269, 3270	1720.06903200	16
ML212-22411	Glenelg (S) - Heywood	Great South Coast	3292	3285, 3292, 3301, 3302, 3303, 3304, 3305, 3309, 3312	3344.44148500	21
ML212-22412	Glenelg (S) - North	Great South Coast	3309	3301, 3302, 3303, 3304, 3309, 3310, 3311, 3312, 3315	2816.79986300	12
ML212-22413	Glenelg (S) - Portland	Great South Coast	3305	3305.0	57.02848800	36
ML212-25491	Moyne (S) - North-East	Great South Coast	3271	3264, 3265, 3271, 3272, 3273, 3276, 3279, 3351, 3379	1731.53334200	9
ML212-25493	Moyne (S) - North-West	Great South Coast	3274	3274, 3276, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3289, 3293, 3301, 3303, 3304, 3379	2279.31659800	9
ML212-25496	Moyne (S) - South	Great South Coast	3265	3265, 3268, 3270, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285	1470.89566800	17

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML212-26261	S. Grampians (S) - Hamilton	Great South Coast	3300	3300.0	21.99468500	31
ML212-26264	S. Grampians (S) - Wannon	Great South Coast	3315	3301, 3312, 3314, 3315, 3317, 3401, 3407	1997.12436700	10
ML212-26265	S. Grampians (S) Bal	Great South Coast	3289	3289, 3293, 3294, 3300, 3301, 3302, 3314, 3315, 3401, 3407	4636.31509100	15
ML213-10300	Bairnald (A)	Lower Murray	2715	2711, 2715, 2734, 2737, 2878, 3549	21693.08196000	31
ML213-18200	Wentworth (A)	Lower Murray	2648	2648, 2715, 2717, 2738, 2739, 3490, 3494, 3498, 3501, 3505	26256.79325000	18
ML213-24782	Mildura (RC) - Pt B	Lower Murray	3490	3489, 3490, 3491, 3494, 3496, 3501, 3505, 3506, 3507, 3509, 3512, 3533	21563.58657000	35
ML213-26614	Swan Hill (RC) - Robinvale	Lower Murray	3549	3549, 3597, 3599	832.19156900	32
ML215-22834	Gr. Shepparton (C) - Pt B East	Goulburn Valley	3634	3610, 3630, 3631, 3633, 3634, 3646, 3647, 3669, 3725	1072.99778000	30
ML215-24901	Moira (S) - East	Goulburn Valley	3727	3634, 3636, 3644, 3646, 3649, 3675, 3678, 3685, 3727, 3728, 3730	1527.73224200	40
ML215-25621	Murrindindi (S) - East	Goulburn Valley	3711	3666, 3711, 3712, 3713, 3714, 3715, 3718, 3719, 3778, 3779	2228.19172600	25
ML215-25622	Murrindindi (S) - West	Goulburn Valley	3717	3658, 3660, 3666, 3714, 3717, 3718, 3719, 3757, 3763, 3777	1651.20888000	14
ML216-12300	Corowa Shire (A)	Hume	2643	2643, 2646, 2647	2329.25202200	31
ML216-13371		ML_Name_Unknown		Unknown		3
ML216-13374		ML_Name_Unknown		Unknown		6
ML216-17700	Urana (A)	Hume	2645	2642, 2645, 2646, 2652, 2700	1932.23200900	12
ML216-20111	Alpine (S) - East	Hume	3697	3691, 3697, 3698, 3699, 3737, 3739, 3740, 3741, 3744, 3898	3562.12649600	18
ML216-20112	Alpine (S) - West	Hume	3737	3737, 3738, 3739, 3740	1226.15647100	7
ML216-21011	Benalla (RC) - Benalla	Hume	3672	3672.0	23.52264100	29
ML216-21014	Benalla (RC) Bal	Hume	3670	3669, 3670, 3672, 3673, 3675, 3723, 3725, 3726	2329.11749200	16
ML216-23351	Indigo (S) - Pt A	Hume	3683	3683, 3685, 3688, 3691, 3695, 3737, 3747, 3749	1513.09949300	17
ML216-23352	Indigo (S) - Pt B	Hume	3685	3682, 3683, 3685, 3687	526.96668400	8
ML216-24250	Mansfield (S)	Hume	3715	3669, 3713, 3715, 3719, 3720, 3722, 3723	3843.83575600	29
ML216-26671	Towong (S) - Pt A	Hume	3700	3691, 3695, 3700, 3701	582.45680700	6
ML216-26672	Towong (S) - Pt B	Hume	3701	2642, 3691, 3700, 3701, 3704, 3705, 3707, 3708, 3709	6092.51830700	7
ML216-26701	Wangaratta (RC) - Central	Hume	3677	3677, 3678	27.75258900	39
ML216-26704	Wangaratta (RC) - North	Hume	3678	3675, 3677, 3678, 3682, 3685, 3735, 3746, 3747	1146.05179800	9
ML216-26705	Wangaratta (RC) - South	Hume	3675	3673, 3675, 3677, 3678, 3723, 3732, 3733, 3735	2471.13950800	29
ML216-27170	Wodonga (RC)	Hume	3690	3690, 3691, 3694	432.68881300	49
ML216-28109	Falls Creek Alpine Resort	Hume	0	3699.0	15.46932800	1
ML217-20741	Bass Coast (S) - Phillip Is.	Gippsland	3922	3922, 3923, 3925	100.57305400	15

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id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML217-20744	Bass Coast (S) Bal	Gippsland	3979	3925, 3945, 3951, 3979, 3984, 3990, 3991, 3992, 3995, 3996	764.18830000	31
ML217-20831	Baw Baw (S) - Pt A	Gippsland	3824	3824, 3825	307.14912100	4
ML217-20834	Baw Baw (S) - Pt B East	Gippsland	3823	3821, 3822, 3823, 3824, 3825, 3833, 3835, 3871, 3953	2125.53618100	13
ML217-22113	E. Gippsland (S) - Orbost	Gippsland	3886	3885, 3886, 3887, 3888, 3889, 3890, 3891, 3892, 3893, 3903, 3909	12523.52800000	9
ML217-22115	E. Gippsland (S) - South-West	Gippsland	3864	3862, 3864, 3865, 3875	2084.11969100	8
ML217-22117	E. Gippsland (S) Bal	Gippsland	3885	3701, 3875, 3885, 3893, 3895, 3896, 3898, 3900	5705.83037000	3
ML217-23811	Latrobe (C) - Moe	Gippsland	3825	3825.0	136.90415300	30
ML217-23814	Latrobe (C) - Morwell	Gippsland	3840	3824, 3825, 3840, 3842, 3869, 3870, 3871	369.85876300	27
ML217-23815	Latrobe (C) - Traralgon	Gippsland	3844	3825, 3840, 3844, 3854, 3856, 3857	446.13783700	45
ML217-23818	Latrobe (C) Bal	Gippsland	0	3840, 3844, 3869, 3870, 3871	472.85915900	3
ML217-26171	South Gippsland (S) - Central	Gippsland	3871	3824, 3835, 3870, 3871, 3950, 3951, 3953, 3954, 3956, 3957, 3958, 3959, 3960, 3996	1392.65598300	29
ML217-26174	South Gippsland (S) - East	Gippsland	3957	3871, 3956, 3957, 3958, 3959, 3960, 3962, 3964, 3965, 3966, 3967	1365.49530300	9
ML217-26175	South Gippsland (S) - West	Gippsland	3945	3945, 3946, 3950, 3951, 3953, 3984, 3987, 3988	539.20196000	10
ML217-26811	Wellington (S) - Alberton	Gippsland	3874	3844, 3847, 3851, 3870, 3873, 3874, 3962, 3966, 3967, 3971	1874.70031500	7
ML217-26812	Wellington (S) - Avon	Gippsland	3852	3850, 3851, 3852, 3860, 3862, 3864	2641.27615200	2
ML217-26813	Wellington (S) - Maffra	Gippsland	3858	3850, 3851, 3857, 3858, 3859, 3860, 3862	4203.23747500	22
ML217-26814	Wellington (S) - Rosedale	Gippsland	3847	3844, 3847, 3850, 3851, 3854, 3856, 3857, 3858, 3873	2067.57792000	17
ML217-26815	Wellington (S) - Sale	Gippsland	3850	3850.0	30.50839300	19
ML301-31031	Ashgrove	Metro North Brisbane	0		5.61561700	3
ML301-31034	Aspley	Metro North Brisbane	0		6.26229200	2
ML301-31048	Bardon	Metro North Brisbane	0		5.59114000	1
ML301-31053	Bellbowrie	Metro North Brisbane	0		7.27227000	1
ML301-31067	Bowen Hills	Metro North Brisbane	0		1.71110700	1
ML301-31072	Bracken Ridge	Metro North Brisbane	0		8.37887100	3
ML301-31075	Bridgeman Downs	Metro North Brisbane	0		8.75681700	2
ML301-31078	Brighton	Metro North Brisbane	0		6.48205600	4
ML301-31084	Brookfield (incl. Brisbane Forest Park)	Metro North Brisbane	0		105.94431700	2
ML301-31121	Carseeldine	Metro North Brisbane	0		4.58687400	2
ML301-31127	Chapel Hill	Metro North Brisbane	0		5.35537400	2
ML301-31135	Chernside	Metro North Brisbane	0		3.40177000	1
ML301-31146	City - Remainder [Q]	Metro North Brisbane	0		1.52065100	3
ML301-31151	Clayfield	Metro North Brisbane	0		2.90574800	4
ML301-31173	Deagon	Metro North Brisbane	0		2.65699100	1
ML301-31206	Enoggera	Metro North Brisbane	0		9.18936400	2

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML301-31211	Everton Park	Metro North Brisbane	0		4.16050600	1
ML301-31217	Ferry Grove	Metro North Brisbane	0		3.83834200	2
ML301-31244	Grange	Metro North Brisbane	0		1.87323400	1
ML301-31271	Hendra	Metro North Brisbane	0		2.70515300	1
ML301-31326	Keperra	Metro North Brisbane	0		5.45312900	2
ML301-31345	Lutwyche	Metro North Brisbane	0		0.89166900	1
ML301-31353	McDowall	Metro North Brisbane	0		4.38555400	2
ML301-31383	Mitchelton	Metro North Brisbane	0		4.36742200	2
ML301-31386	Moggill	Metro North Brisbane	0		10.27943000	1
ML301-31446	Nundah	Metro North Brisbane	0		3.56821000	2
ML301-31473	Pullenvale	Metro North Brisbane	0		24.30490600	1
ML301-31506	St Lucia	Metro North Brisbane	4067	4067, 4068, 4072	3.41906800	2
ML301-31536	Stafford Heights	Metro North Brisbane	0		2.91947500	1
ML301-31574	Toowong	Metro North Brisbane	4066	4065, 4066, 4068	5.15471400	4
ML301-31593	Virginia	Metro North Brisbane	0		3.18819200	1
ML301-31653	Zillmere	Metro North Brisbane	0		3.71559000	1
ML301-35013	Albany Creek	Metro North Brisbane	0		9.85236200	1
ML301-35019	Bribie Island	Metro North Brisbane	4035	4035, 4055, 4500		7
ML301-35021	Burpengary-Narangba	Metro North Brisbane	4507	4507.0	105.84757200	1
ML301-35023	Caboolture Central	Metro North Brisbane	4504	4504, 4505, 4506, 4508	38.02713600	3
ML301-35025	Caboolture East	Metro North Brisbane	4510	4510.0	57.25659200	6
ML301-35028	Caboolture Midwest	Metro North Brisbane	4511	4505, 4506, 4510, 4511	151.17826400	4
ML301-35033	Central Pine West	Metro North Brisbane	4512	4504, 4506, 4510, 4512, 4516, 4521	305.28139000	1
ML301-35035	Clontarf	Metro North Brisbane	0		54.33136300	4
ML301-35037	Dakabin-Kallangur-M. Downs	Metro North Brisbane	0		6.31011100	4
ML301-35039	Deception Bay	Metro North Brisbane	0		23.06752400	5
ML301-35043	Griffin-Mango Hill	Metro North Brisbane	4508	4022, 4504, 4505, 4508	31.21506800	5
ML301-35047	Hills District	Metro North Brisbane	0		43.16834500	1
ML301-35051	Lawnton	Metro North Brisbane	4054	4053, 4054, 4055, 4520	17.26708600	1
ML301-35053	Margate-Woody Point	Metro North Brisbane	4501	4500, 4501	9.26084400	1
ML301-35056	Morayfield	Metro North Brisbane	0		4.16295400	3
ML301-35063	Redcliffe-Scarborough	Metro North Brisbane	4506	4505, 4506, 4510	38.34472400	4
ML301-35065	Rothwell-Kippa-Ring	Metro North Brisbane	0		9.26724900	6
ML301-35067	Strathpine-Brendale	Metro North Brisbane	0		18.33509900	6
ML301-35068	Moreton Bay (R) Bal	Metro North Brisbane	0		17.88138300	5
ML301-36584	Somerset (R) - Kilcoy	Metro North Brisbane	0		587.32145400	3
ML302-31001	Acacia Ridge	Greater Metro South Brisbane	4515	4313, 4514, 4515	1440.99923400	4
ML302-31015	Annerley	Greater Metro South Brisbane	0		9.09563900	1
ML302-31042	Balmoral	Greater Metro South Brisbane	0		2.83278700	1
ML302-31057	Belmont-Mackenzie	Greater Metro South Brisbane	0		1.26921400	1
ML302-31086	Bulimba	Greater Metro South Brisbane	0		12.39685800	3
ML302-31091	Burbank	Greater Metro South Brisbane	0		2.06542300	1
ML302-31094	Calamvale	Greater Metro South Brisbane	0		29.92817900	1
ML302-31097	Camp Hill	Greater Metro South Brisbane	0		6.47430000	1
			0		4.59816800	2

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML302-31108	Carindale	Greater Metro South Brisbane	0		9.43825300	2
ML302-31113	Carina	Greater Metro South Brisbane	0		4.94675900	2
ML302-31116	Carina Heights	Greater Metro South Brisbane	0		3.39973400	2
ML302-31195	East Brisbane	Greater Metro South Brisbane	0		1.94759800	1
ML302-31247	Greenslopes	Greater Metro South Brisbane	4120	4102, 4120, 4151	2.93680000	2
ML302-31258	Hawthorne	Greater Metro South Brisbane	0		1.35769400	2
ML302-31265	Hemmant-Lytton	Greater Metro South Brisbane	0		39.60349900	1
ML302-31277	Highgate Hill	Greater Metro South Brisbane	0		1.21022400	1
ML302-31282	Holland Park	Greater Metro South Brisbane	0		3.26115200	1
ML302-31337	Lota	Greater Metro South Brisbane	0		2.01460200	2
ML302-31364	Manly	Greater Metro South Brisbane	0		1.94748500	2
ML302-31391	Moorooka	Greater Metro South Brisbane	0		4.09579800	4
ML302-31397	Morningside	Greater Metro South Brisbane	0		5.42633600	2
ML302-31405	Mount Gravatt East	Greater Metro South Brisbane	0		4.62520700	1
ML302-31413	Murarie	Greater Metro South Brisbane	4172	4170, 4172	7.59750700	1
ML302-31416	Nathan	Greater Metro South Brisbane	4111	4107, 4111	5.30020800	2
ML302-31432	Norman Park	Greater Metro South Brisbane	0		2.95692200	1
ML302-31456	Pallara-Heathwood-Larapinta	Greater Metro South Brisbane	0		18.53775100	1
ML302-31463	Parkinson-Drewvale	Greater Metro South Brisbane	0		12.69945300	2
ML302-31495	Rochedale	Greater Metro South Brisbane	0		14.31153800	3
ML302-31503	Runcorn	Greater Metro South Brisbane	0		6.58719500	1
ML302-31525	South Brisbane	Greater Metro South Brisbane	0		1.98189400	1
ML302-31552	Sunnybank Hills	Greater Metro South Brisbane	0		6.44083200	2
ML302-31563	Tarragindi	Greater Metro South Brisbane	0		4.53507400	1
ML302-31571	Tingalpa	Greater Metro South Brisbane	0		9.34423800	1
ML302-31601	Wakerley	Greater Metro South Brisbane	4173	4153, 4154, 4173, 4174	4.92100600	1
ML302-31607	West End [Q, Brisbane]	Greater Metro South Brisbane	0		1.92538100	1
ML302-31626	Wishart	Greater Metro South Brisbane	0		4.78670800	4
ML302-31637	Wynnum	Greater Metro South Brisbane	0		6.13460700	2
ML302-31648	Yeronga	Greater Metro South Brisbane	4104	4103, 4104, 4105	3.03844700	2
ML302-34595	Beenleigh	Greater Metro South Brisbane	0		7.67387600	2
ML302-34601	Browns Plains	Greater Metro South Brisbane	4118	4118, 4124	27.94899800	2
ML302-34603	Carbrook-Cornubia	Greater Metro South Brisbane	0		34.51503200	2
ML302-34605	Daisy Hill-Priestdale	Greater Metro South Brisbane	0		14.89101300	1
ML302-34606	Eagleby	Greater Metro South Brisbane	0		13.82629500	6
ML302-34608	Greenbank-Boronia Heights	Greater Metro South Brisbane	0		52.40268200	2
ML302-34611	Jimboomba-Logan Village	Greater Metro South Brisbane	0		634.17195600	10
ML302-34612	Kingston [Q]	Greater Metro South Brisbane	0		7.96249600	1
ML302-34615	Loganholme	Greater Metro South Brisbane	0		14.60227200	3
ML302-34623	Marsden	Greater Metro South Brisbane	4132	4118, 4132, 4133	15.52294500	2
ML302-34631	Rochedale South	Greater Metro South Brisbane	0		6.06302400	3
ML302-34634	Shailer Park	Greater Metro South Brisbane	0		7.97643900	1
ML302-34637	Slacks Creek	Greater Metro South Brisbane	0		9.60648200	2
ML302-34642	Springwood	Greater Metro South Brisbane	0		4.70213100	1

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id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML302-34656	Woodridge	Greater Metro South Brisbane	0		10.63617700	3
ML302-36251	Alexandra Hills	Greater Metro South Brisbane	0		13.57175000	2
ML302-36254	Birkdale	Greater Metro South Brisbane	0		11.49548500	1
ML302-36257	Capalaba	Greater Metro South Brisbane	0		18.89209800	6
ML302-36262	Cleveland	Greater Metro South Brisbane	4163	4163.0	11.77633400	1
ML302-36265	Redland Bay	Greater Metro South Brisbane	0		46.81631000	3
ML302-36267	Sheldon-Mt Cotton	Greater Metro South Brisbane	0		65.25578400	1
ML302-36271	Thornlands	Greater Metro South Brisbane	4164	4161, 4164, 4165	21.69626100	1
ML302-36273	Victoria Point	Greater Metro South Brisbane	0		13.39138400	1
ML302-36283	Redland (C) Bal	Greater Metro South Brisbane	0		318.64210800	3
ML302-36512	Scenic Rim (R) - Beaudesert	Greater Metro South Brisbane	4285	4275, 4285, 4287	1704.15608600	1
ML303-33502	Ashmore-Benowa	Gold Coast	0		13.31670300	7
ML303-33508	Biggerra Waters-Labrador	Gold Coast	0		8.14305500	6
ML303-33511	Bilinga-Tugun	Gold Coast	0		5.33697500	2
ML303-33514	Broadbeach-Mermaid Beach	Gold Coast	0		3.02334900	3
ML303-33515	Broadbeach Waters	Gold Coast	0		5.29066300	7
ML303-33517	Bundall	Gold Coast	0		3.89514700	1
ML303-33521	Burleigh Heads	Gold Coast	0		8.48246700	2
ML303-33523	Burleigh Waters	Gold Coast	0		6.74168600	2
ML303-33525	Carrara-Merrimac	Gold Coast	0	4211, 4226	22.89584000	12
ML303-33531	Coombabah	Gold Coast	0		11.63697300	1
ML303-33534	Currumbin Valley-Tallebudgera	Gold Coast	4228	4223, 4228	114.53122400	2
ML303-33535	Currumbin Waters	Gold Coast	0		10.50153800	7
ML303-33537	Elanora	Gold Coast	0		8.87619200	5
ML303-33543	Helensvale	Gold Coast	4212	4212.0	19.90347700	6
ML303-33547	Hope Island	Gold Coast	0	4212.0	13.84974500	3
ML303-33555	Main Beach-South Stradbroke	Gold Coast	0		7.46935700	1
ML303-33556	Kingsholme-Upper Coomera	Gold Coast	0		122.49722700	4
ML303-33562	Mermaid Wtrrs-Clear Is. Wtrrs	Gold Coast	0		11.45047800	5
ML303-33564	Molendinar	Gold Coast	0		7.69949200	2
ML303-33566	Mudgeeraba-Reedy Creek	Gold Coast	0		74.39708400	11
ML303-33567	Nerang	Gold Coast	4211	4211, 4214	64.07888100	7
ML303-33572	Pacific Pines-Gaven	Gold Coast	0		15.83728700	3
ML303-33573	Palm Beach	Gold Coast	0		6.30196600	6
ML303-33574	Ormeau-Yatala	Gold Coast	0		72.08756000	4
ML303-33576	Paradise Point-Runaway Bay	Gold Coast	0		11.09822800	3
ML303-33578	Parkwood-Arundel	Gold Coast	0		15.91370000	6
ML303-33581	Pimpama-Coomera	Gold Coast	0		97.27773500	7
ML303-33582	Robina	Gold Coast	0		14.83498800	10
ML303-33585	Southport	Gold Coast	4215	4214, 4215	14.26278200	15
ML303-33587	Surfers Paradise	Gold Coast	0		5.59248400	5
ML303-33592	Varsity Lakes	Gold Coast	0		6.08790700	1
ML303-33593	Worongary-Tallai	Gold Coast	0		27.55349000	3

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML303-36516	Scenic Rim (R) - Tamborine-Canungra	Gold Coast	4270	4211, 4270, 4271, 4272, 4275	511.59290300	1
ML304-33622	Gympie (R) - Cooloola	Sunshine Coast	4580	4563, 4570, 4574, 4580, 4581	3572.49410600	7
ML304-33624	Gympie (R) - Gympie	Sunshine Coast	4570	4570.0	55.30971300	12
ML304-33626	Gympie (R) - Kilkivan	Sunshine Coast	4600	4570, 4600, 4601, 4605, 4615	3256.74086300	1
ML304-36713	Buderim	Sunshine Coast	4556	4553, 4556, 4557, 4575	61.89873800	9
ML304-36716	Caloundra Hinterland	Sunshine Coast	4552	4518, 4519, 4552, 4574	504.26237700	1
ML304-36718	Caloundra North	Sunshine Coast	4551	4551, 4553	27.43180800	5
ML304-36721	Caloundra South	Sunshine Coast	0	4519, 4551	105.90679600	18
ML304-36723	Coolum-Mudjimba	Sunshine Coast	4564	4564, 4573	47.19102400	14
ML304-36725	Glass House Country	Sunshine Coast	4517	4517, 4518, 4519, 4550, 4552, 4553, 4554	381.67462200	16
ML304-36728	Kawana	Sunshine Coast	4575	4551, 4553, 4575	35.27046300	7
ML304-36733	Maroochy Hinterland	Sunshine Coast	4554	4553, 4554, 4555, 4556, 4559, 4560, 4561, 4562, 4563, 4564, 4566, 4573, 4574	924.66161800	5
ML304-36738	Maroochydhore	Sunshine Coast	4558	4556, 4558, 4572	14.10118200	11
ML304-36744	Mooloolaba	Sunshine Coast	4557	4556, 4557, 4572	5.40426500	3
ML304-36748	Nambour	Sunshine Coast	4560	4559, 4560	22.35155600	10
ML304-36753	Noosa Hinterland	Sunshine Coast	4563	4562, 4563, 4565, 4566, 4568, 4569, 4571	811.55450300	8
ML304-36755	Noosa-Noosaville	Sunshine Coast	4566	4566, 4567	22.76027800	2
ML304-36761	Paynter-Petrie Creek	Sunshine Coast	4555	4555, 4556, 4559, 4560, 4561, 4564	86.15332500	6
ML304-36763	Sunshine-Peregian	Sunshine Coast	4567	4567, 4573	19.02848800	1
ML304-36772	Tewantin	Sunshine Coast	4565	4565, 4566	14.25579800	6
ML305-31132	Chelmer	West Moreton - Oxley	0		1.36468100	1
ML305-31162	Corinda	West Moreton - Oxley	0		2.87900200	1
ML305-31167	Darra-Summer	West Moreton - Oxley	0		8.00230900	1
ML305-31176	Doolandella-Forest Lake	West Moreton - Oxley	0		9.96761700	4
ML305-31184	Durack [Q]	West Moreton - Oxley	0		4.45243600	1
ML305-31306	Karana Downs-Lake Manchester	West Moreton - Oxley	0	4306.0	184.54423400	2
ML305-31487	Riverhills	West Moreton - Oxley	0		2.17028500	1
ML305-31522	Sherwood	West Moreton - Oxley	0		2.27894900	3
ML305-33962	Ipswich (C) - Central	West Moreton - Oxley	4304	4301, 4303, 4304, 4305, 4306	205.87291700	19
ML305-33965	Ipswich (C) - East	West Moreton - Oxley	4300	4124, 4300, 4301, 4303	119.54989900	6
ML305-33966	Ipswich (C) - North	West Moreton - Oxley	4306	4070, 4303, 4305, 4306	74.70257300	1
ML305-33976	Ipswich (C) - West	West Moreton - Oxley	4340	4306, 4340, 4346	218.01292400	18
ML305-34582	Lockyer Valley (R) - Gatton	West Moreton - Oxley	4343	4311, 4342, 4343, 4344, 4345, 4347, 4352	1569.41359700	8
ML305-34584	Lockyer Valley (R) - Laidley	West Moreton - Oxley	4341	4311, 4340, 4341, 4342, 4343	699.32851100	4
ML305-36514	Scenic Rim (R) - Boonah	West Moreton - Oxley	4307	4287, 4305, 4306, 4307, 4309, 4310, 4340	2032.32465000	1
ML305-36582	Somerset (R) - Esk	West Moreton - Oxley	4311	4306, 4311, 4312, 4313, 4342, 4346, 4515	3932.28240900	4
ML306-30300	Balonne (S)	Darling Downs - South Queensland	4486	2406, 4486, 4487, 4488, 4497	31105.43114000	4
ML306-33612	Goondiwindi (R) - Goondiwindi	Darling Downs - South Queensland	4390	4390.0	14.60165200	2
ML306-33614	Goondiwindi (R) - Inglewood	Darling Downs - South Queensland	4384	4352, 4357, 4384, 4385, 4387	5864.45718600	2

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id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML306-35800	Paroo (S)	Darling Downs - South West Queensland	4471	4471, 4488, 4489, 4490, 4491, 4493	47616.39746000	1
ML306-36150	Quilpie (S)	Darling Downs - South West Queensland	4474	4474, 4475, 4480	67423.23806000	2
ML306-36632	South Burnett (R) - Kingaroy	Darling Downs - South West Queensland	4610	4608, 4610	2415.09320400	2
ML306-36636	South Burnett (R) - Nanango	Darling Downs - South West Queensland	4615	4306, 4405, 4610, 4614, 4615	1730.99924900	4
ML306-36662	Southern Downs (R) - Allora	Darling Downs - South West Queensland	4362	4361, 4362, 4370	692.32909900	2
ML306-36666	Southern Downs (R) - Stanthorpe	Darling Downs - South West Queensland	4375	2372, 4352, 4374, 4375, 4376, 4377, 4378, 4380, 4381, 4382, 4383	2694.08600100	3
ML306-36667	Southern Downs (R) - Warwick	Darling Downs - South West Queensland	4370	4370.0	25.03767300	6
ML306-36912	Cambooya	Darling Downs - South West Queensland	4358	4350, 4352, 4358	87.65405600	1
ML306-36916	Crow's Nest	Darling Downs - South West Queensland	4355	4306, 4352, 4353, 4354, 4355	1505.42926000	2
ML306-36921	Gowrie [Q]	Darling Downs - South West Queensland	4400	4352, 4400	93.59664900	1
ML306-36923	Greenmount	Darling Downs - South West Queensland	4359	4352, 4358, 4359, 4360	550.32974200	2
ML306-36926	Highfields	Darling Downs - South West Queensland	4352	4350, 4352	122.28872200	1
ML306-36931	Millmerran	Darling Downs - South West Queensland	4357	4352, 4357, 4407	4518.30524400	1
ML306-36935	Rosalie	Darling Downs - South West Queensland	4353	4306, 4352, 4353, 4354, 4355, 4400, 4401, 4402, 4403, 4404, 4614	2102.33490800	7
ML306-36937	Toowoomba Central	Darling Downs - South West Queensland	0	4350.0	9.51766800	1
ML306-36941	Toowoomba North-East	Darling Downs - South West Queensland	0	4350.0	19.41597900	1
ML306-36943	Toowoomba North-West	Darling Downs - South West Queensland	0	4350.0	29.42059400	13
ML306-36945	Toowoomba South-East	Darling Downs - South West Queensland	4350	4350.0	29.46314400	3
ML306-36947	Westbrook	Darling Downs - South West Queensland	0	4350, 4352, 4358, 4400	133.38253400	2
ML307-31822	Bundaberg (R) - Bundaberg	Wide Bay	4670	4670.0	95.13651100	12
ML307-31824	Bundaberg (R) - Burnett Pt A	Wide Bay	0	4670.0	156.70338200	5
ML307-31825	Bundaberg (R) - Burnett Pt B	Wide Bay	4673	4670, 4671, 4673, 4674	1835.68179300	3
ML307-31827	Bundaberg (R) - Isis	Wide Bay	4660	4621, 4660, 4671	1702.10601400	3
ML307-33222	Fraser Coast (R) - Hervey Bay Pt A	Wide Bay	4655	4655, 4659	373.20236900	28

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML307-33223	Fraser Coast (R) - Hervey Bay Pt B	Wide Bay	4659	4581, 4650, 4655, 4659, 4660, 4662	1978.23006000	2
ML307-33225	Fraser Coast (R) - Maryborough	Wide Bay	4650	4581, 4650, 4655	1231.43047900	4
ML307-33368	Gladstone (R) - Miriam Vale	Wide Bay	4674	4674, 4676, 4677, 4678	3769.21269100	3
ML307-35761	North Burnett (R) - Biggenden	Wide Bay	4621	4621, 4625	1312.48992600	3
ML307-35765	North Burnett (R) - Mundubbera	Wide Bay	4626	4625, 4626	4184.30600800	1
ML308-30370	Banana (S)	Central Queensland	4420	4419, 4420, 4702, 4715, 4718, 4719	25725.26763000	3
ML308-32276	Central Highlands (R) - Emerald	Central Queensland	4720	4702, 4720, 4722	10393.17407000	7
ML308-32278	Central Highlands (R) - Peak Downs	Central Queensland	4709	4702, 4709, 4720, 4721, 4723, 4745	8111.27575000	2
ML308-33362	Gladstone (R) - Calliope Pt A	Central Queensland	0	4680.0	439.35432800	5
ML308-33366	Gladstone (R) - Gladstone	Central Queensland	4680	4680, 4694	162.38848500	4
ML308-36363	Rockhampton (R) - Fitzroy Pt B	Central Queensland	4699	4699, 4700, 4702	5750.05217900	1
ML308-36365	Rockhampton (R) - Livingstone Pt A	Central Queensland	4711	4701, 4702, 4711	123.92921300	2
ML308-36366	Rockhampton (R) - Livingstone Pt B	Central Queensland	4703	4700, 4701, 4702, 4703, 4704, 4705, 4706, 4710, 4711	11622.17599000	6
ML308-36368	Rockhampton (R) - Rockhampton	Central Queensland	4700	4700, 4701, 4702, 4711	187.95116200	8
ML309-30418	Barcardine (R) - Jericho	Central and North Queensland	4724	4724, 4728	21825.46804000	1
ML309-30762	Blackall Tambo (R) - Blackall	Central and North Queensland	4472	4472, 4478	16421.41572000	4
ML309-30900	Boulia (S)	Central and North Queensland	4829	4823, 4825, 4829	60955.83781000	1
ML309-32250	Carpentaria (S)	Central and North Queensland	4890	4823, 4871, 4890, 4891	64124.88321000	1
ML309-34716	Longreach (R) - Longreach	Central and North Queensland	4730	4730.0	23493.05862000	1
ML309-35300	Mount Isa (C)	Central and North Queensland	4825	4825, 4828	43187.98322000	6
ML310-31900	Burdekin (S)	Townsville - Mackay	4806	4806, 4807, 4808, 4809, 4816	5043.42200600	5
ML310-32312	Charters Towers (R) - Charters Towers	Townsville - Mackay	4820	4820.0	41.71272200	3
ML310-32314	Charters Towers (R) - Dalrymple	Townsville - Mackay	0	4816, 4817, 4820, 4850	68331.83671000	1
ML310-33800	Hinchinbrook (S)	Townsville - Mackay	4850	4816, 4850	2801.34399600	2
ML310-33982	Isaac (R) - Belyando	Townsville - Mackay	4721	4721, 4744, 4745, 4820	30211.04553000	2
ML310-33984	Isaac (R) - Broadsound	Townsville - Mackay	4705	4705, 4707, 4738, 4739, 4741, 4742, 4745, 4746	18498.65748000	2
ML310-33986	Isaac (R) - Nebo	Townsville - Mackay	4742	4721, 4737, 4741, 4742, 4743	10010.13331000	6
ML310-34772	Mackay (R) - Mackay Pt A	Townsville - Mackay	4740	4740, 4741, 4750, 4751	260.29763700	24
ML310-34773	Mackay (R) - Mackay Pt B	Townsville - Mackay	4741	4737, 4740, 4741, 4751, 4753, 4798, 4799, 4800	2628.08906900	1
ML310-34775	Mackay (R) - Mirani	Townsville - Mackay	4753	4741, 4753, 4754, 4756, 4757	3274.43305400	2
ML310-34777	Mackay (R) - Sarina	Townsville - Mackay	4737	4737, 4738, 4740	1438.38271400	1

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id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML310-36300	Richmond (S)	Townsville - Mackay	4822	4822.0	26580.22347000	2
ML310-37001	Aitkenvale	Townsville - Mackay	0		3.28933400	3
ML310-37005	Condon-Rasmussen-Bohle Basin	Townsville - Mackay	0		135.48803600	7
ML310-37007	Cranbrook	Townsville - Mackay	0		3.36452500	1
ML310-37012	Currajong	Townsville - Mackay	0		2.03540200	1
ML310-37018	Gulliver	Townsville - Mackay	0		1.59954400	2
ML310-37023	Heatley	Townsville - Mackay	0		2.03145500	1
ML310-37027	Hyde Park-Mysterton	Townsville - Mackay	0		1.75941200	4
ML310-37028	Kelso	Townsville - Mackay	0		16.29052000	3
ML310-37030	Kirwan	Townsville - Mackay	0		13.00599000	7
ML310-37031	Magnetic Island	Townsville - Mackay	0		51.10316100	1
ML310-37033	Mt Louisa-Mt St John-Bohle	Townsville - Mackay	0		32.55642800	2
ML310-37038	Murray	Townsville - Mackay	0		25.64257200	2
ML310-37043	Northern Beaches-Pinnacles	Townsville - Mackay	0	4815, 4816, 4817, 4818	1696.56810700	1
ML310-37044	Oonomba-Idalia-Cluden	Townsville - Mackay	0		9.10706200	1
ML310-37062	Rowes Bay-Belgian Gardens	Townsville - Mackay	0		4.35377700	10
ML310-37342	Whitsunday (R) - Bowen	Townsville - Mackay	4804	4804, 4805	21129.85633000	7
ML310-37345	Whitsunday (R) - Whitsunday	Townsville - Mackay	4800	4741, 4800, 4801, 4802, 4803	2674.52349200	16
ML311-32062	Cairns (R) - Barron	Far North Queensland	4878	4870, 4878	156.07496600	5
ML311-32065	Cairns (R) - Central Suburbs	Far North Queensland	4870	4870.0	18.45312100	20
ML311-32066	Cairns (R) - City	Far North Queensland	0	4870.0	6.19892100	3
ML311-32067	Cairns (R) - Douglas	Far North Queensland	4873	4873, 4877, 4895	2427.25287000	2
ML311-32068	Cairns (R) - Mt Whitfield	Far North Queensland	0	4870, 4878	27.80882200	3
ML311-32072	Cairns (R) - Northern Suburbs	Far North Queensland	4879	4871, 4877, 4878, 4879	51.71612000	7
ML311-32074	Cairns (R) - Trinity	Far North Queensland	4865	4865, 4868, 4869, 4870, 4871	212.30216600	9
ML311-32076	Cairns (R) - Western Suburbs	Far North Queensland	0	4868, 4870	16.40196300	3
ML311-32078	Cairns (R) - Pt B	Far North Queensland	4861	4860, 4861, 4865, 4871	1198.90154700	1
ML311-32262	Cassowary Coast (R) - Cardwell	Far North Queensland	4849	4816, 4849, 4852, 4854	1788.06166300	1
ML311-32264	Cassowary Coast (R) - Johnstone	Far North Queensland	4855	4852, 4855, 4856, 4857, 4858, 4859, 4860, 4871	1631.95248100	4
ML311-32500	Cook (S)	Far North Queensland	4895	4871, 4874, 4895	105781.38440000	2
ML311-36816	Tablelands (R) - Herberton	Far North Queensland	4887	4872, 4886, 4887, 4888	9577.00829700	2
ML311-36818	Tablelands (R) - Mareeba	Far North Queensland	4880	4871, 4872, 4880, 4881, 4887	53472.81128000	3
ML311-37300	Weipa (T)	Far North Queensland	4874	4874.0	10.82214100	4
ML401-42030	Gawler (T)	Northern Adelaide	5116	5114, 5115, 5116, 5118	41.08946400	8
ML401-43920	Mallala (DC)	Northern Adelaide	5501	5460, 5501, 5502	932.41844100	2
ML401-45681	Playford (C) - East Central	Northern Adelaide	5114	5112, 5113, 5114	11.70362100	8
ML401-45683	Playford (C) - Elizabeth	Northern Adelaide	5112	5112, 5113, 5114	20.17639600	4
ML401-45684	Playford (C) - Hills	Northern Adelaide	0	5114, 5116, 5118	134.61772800	1
ML401-45686	Playford (C) - West	Northern Adelaide	5115	5110, 5111, 5115, 5116, 5117, 5120, 5121, 5501	169.37553400	2
ML401-45688	Playford (C) - West Central	Northern Adelaide	0	5113, 5114, 5115	9.05940800	3
ML401-45891	Port Adel. Enfield (C) - East	Northern Adelaide	5086	5070, 5074, 5075, 5085, 5086, 5087, 5088, 5093, 5098	17.69472500	5

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id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML401-45894	Port Adel. Enfield (C) - Inner	Northern Adelaide	5084	5083, 5084, 5085, 5094	15.17630700	3
ML401-47141	Salisbury (C) - Central	Northern Adelaide	5106	5095, 5106, 5107, 5108	21.13328000	8
ML401-47143	Salisbury (C) - Inner North	Northern Adelaide	5108	5108.0	10.99233200	7
ML401-47144	Salisbury (C) - North-East	Northern Adelaide	5109	5096, 5109, 5112	15.91685500	5
ML401-47146	Salisbury (C) - South-East	Northern Adelaide	5093	5093, 5095, 5096, 5098	20.57408500	11
ML401-47701	Tea Tree Gully (C) - Central	Northern Adelaide	5092	5092, 5096, 5097, 5126, 5127	12.17040700	4
ML401-47705	Tea Tree Gully (C) - North	Northern Adelaide	5125	5109, 5125, 5126, 5127	17.59346400	4
ML401-47708	Tea Tree Gully (C) - South	Northern Adelaide	5088	5075, 5086, 5088, 5089, 5091, 5092, 5093, 5097	19.90649700	7
ML402-40070	Adelaide (C)	Central Adelaide and Hills	5000	5000, 5005, 5006	15.57235700	6
ML402-40121	Adelaide Hills (DC) - Central	Central Adelaide and Hills	5152	5152, 5153, 5154, 5155, 5156, 5245	29.45013600	4
ML402-40124	Adelaide Hills (DC) - Ranges	Central Adelaide and Hills	5134	5072, 5073, 5076, 5134, 5136, 5137, 5138, 5139, 5140, 5141, 5142, 5144, 5151, 5152, 5153, 5155, 5156	194.26727900	2
ML402-40125	Adelaide Hills (DC) - North	Central Adelaide and Hills	5131	5114, 5131, 5132, 5133, 5231, 5232, 5233, 5234, 5235, 5244	353.30827800	3
ML402-40128	Adelaide Hills (DC) Bal	Central Adelaide and Hills	5139	5139, 5144, 5155, 5240, 5241, 5242, 5243, 5244, 5245, 5250, 5252	217.45951000	4
ML402-40701	Burnside (C) - North-East	Central Adelaide and Hills	5066	5065, 5066, 5067, 5068, 5072	12.84399300	6
ML402-40704	Burnside (C) - South-West	Central Adelaide and Hills	5064	5063, 5064, 5065, 5066, 5067, 5068, 5150, 5152	14.67444500	8
ML402-40911	Campbelltown (C) - East	Central Adelaide and Hills	5075	5073, 5074, 5075, 5076	15.48887700	3
ML402-40914	Campbelltown (C) - West	Central Adelaide and Hills	5072	5072, 5073, 5074	8.86072300	2
ML402-41061	Charles Sturt (C) - Coastal	Central Adelaide and Hills	5020	5019, 5020, 5021, 5022, 5023, 5024	17.16776200	10
ML402-41064	Charles Sturt (C) - Inner East	Central Adelaide and Hills	5009	5007, 5008, 5009, 5011, 5023, 5025	11.50032200	3
ML402-41065	Charles Sturt (C) - Inner West	Central Adelaide and Hills	5014	5014, 5023, 5024, 5025	12.03587800	1
ML402-41068	Charles Sturt (C) - North-East	Central Adelaide and Hills	5007	5007, 5008, 5009, 5011, 5012, 5013, 5014, 5082	14.08521100	3
ML402-44551	Mount Barker (DC) - Central	Central Adelaide and Hills	5245	5245, 5250, 5251, 5252	50.01797900	10
ML402-45291	Norw. P'ham St Ptrs (C) - East	Central Adelaide and Hills	5070	5068, 5070	7.36487800	2
ML402-45895	Port Adel. Enfield (C) - Coast	Central Adelaide and Hills	5015	5015, 5016, 5017, 5018, 5019	21.56635300	4
ML402-45896	Port Adel. Enfield (C) - Park	Central Adelaide and Hills	5010	5008, 5010, 5012, 5013	23.31809500	3
ML402-45897	Port Adel. Enfield (C) - Port	Central Adelaide and Hills	5013	5013, 5014, 5015	13.99432000	2
ML402-47981	Unley (C) - East	Central Adelaide and Hills	5061	5061, 5063, 5064	7.07275300	7
ML402-47984	Unley (C) - West	Central Adelaide and Hills	5034	5034, 5035, 5061	7.19805300	5
ML402-48411	West Torrens (C) - East	Central Adelaide and Hills	5031	5031, 5033, 5035, 5037, 5038	12.71148000	1
ML402-48414	West Torrens (C) - West	Central Adelaide and Hills	5032	5024, 5031, 5032, 5033, 5037, 5038, 5040, 5045, 5950	24.32895500	5
ML403-40221	Alexandrina (DC) - Coastal	Southern Adelaide - Fleurieu - Kangaroo Island	5210	5172, 5210, 5211, 5212, 5213, 5214, 5255	476.64306500	3
ML403-40224	Alexandrina (DC) - Strathalbyn	Southern Adelaide - Fleurieu - Kangaroo Island	5255	5153, 5157, 5172, 5201, 5210, 5255, 5256	1350.62711600	4
ML403-42601	Holdfast Bay (C) - North	Southern Adelaide - Fleurieu - Kangaroo Island	5044	5044, 5045	7.17240900	7

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id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML403-42604	Holdfast Bay (C) - South	Southern Adelaide - Fleurieu - Kangaroo Island	5048	5048, 5049	6.57979400	2
ML403-42750	Kangaroo Island (DC)	Southern Adelaide - Fleurieu - Kangaroo Island	5220	5220, 5221, 5222, 5223	4400.73077200	1
ML403-44061	Marion (C) - Central	Southern Adelaide - Fleurieu - Kangaroo Island	5043	5042, 5043, 5046, 5047, 5048, 5049	23.37976600	10
ML403-44064	Marion (C) - North	Southern Adelaide - Fleurieu - Kangaroo Island	5038	5037, 5038, 5039, 5043, 5044	11.73678600	11
ML403-44065	Marion (C) - South	Southern Adelaide - Fleurieu - Kangaroo Island	5158	5049, 5158, 5159	20.52138900	9
ML403-44341	Mitcham (C) - Hills	Southern Adelaide - Fleurieu - Kangaroo Island	5050	5042, 5050, 5051, 5052, 5062, 5150, 5152, 5156	51.70950300	3
ML403-44344	Mitcham (C) - North-East	Southern Adelaide - Fleurieu - Kangaroo Island	5062	5041, 5062, 5064	11.06812200	10
ML403-44345	Mitcham (C) - West	Southern Adelaide - Fleurieu - Kangaroo Island	5039	5039, 5041, 5042	12.76988400	6
ML403-45341	Onkaparinga (C) - Hackham	Southern Adelaide - Fleurieu - Kangaroo Island	5163	5163, 5168	32.42117200	2
ML403-45342	Onkaparinga (C) - Hills	Southern Adelaide - Fleurieu - Kangaroo Island	5157	5051, 5153, 5157, 5159, 5163, 5168, 5169, 5171, 5172, 5173, 5174	340.24956200	3
ML403-45343	Onkaparinga (C) - Morphett	Southern Adelaide - Fleurieu - Kangaroo Island	5162	5162.0	12.76142300	7
ML403-45344	Onkaparinga (C) - North Coast	Southern Adelaide - Fleurieu - Kangaroo Island	5160	5160, 5162, 5163, 5164, 5165, 5166, 5167, 5168	25.64157400	1
ML403-45345	Onkaparinga (C) - Reservoir	Southern Adelaide - Fleurieu - Kangaroo Island	5159	5042, 5047, 5051, 5157, 5158, 5159	28.04799700	6
ML403-45346	Onkaparinga (C) - South Coast	Southern Adelaide - Fleurieu - Kangaroo Island	5169	5167, 5168, 5169, 5170, 5173, 5174	51.67239300	4
ML403-45347	Onkaparinga (C) - Woodcroft	Southern Adelaide - Fleurieu - Kangaroo Island	5161	5158, 5159, 5161, 5162, 5163	27.33038900	13
ML403-48050	Victor Harbor (C)	Southern Adelaide - Fleurieu - Kangaroo Island	5211	5202, 5211	384.62111000	4
ML404-40521	Berri and Barmera (DC) - Barmera	Country South SA	5345	5330, 5332, 5342, 5343, 5344, 5345, 5346	298.00917800	2
ML404-40524	Berri and Barmera (DC) - Berri	Country South SA	5342	5342, 5343, 5344	218.80335100	5
ML404-42250	Grant (DC)	Country South SA	5291	5277, 5278, 5280, 5291	1898.01402300	5
ML404-43080	Karoonda East Murray (DC)	Country South SA	5306	5238, 5306, 5307, 5308, 5309, 5310	4415.79629300	2
ML404-43791	Loxton Waikerie (DC) - East	Country South SA	5311	5304, 5308, 5310, 5311, 5330, 5331, 5332, 5333, 5343, 5357	4979.12234900	8
ML404-43794	Loxton Waikerie (DC) - West	Country South SA	5322	5308, 5320, 5322, 5330, 5354, 5357	3020.17076800	1
ML404-44620	Mount Gambier (C)	Country South SA	5290	5290, 5291	33.89444700	24
ML404-45040	Murray Bridge (RC)	Country South SA	5253	5238, 5252, 5253, 5254, 5255, 5259, 5260	1831.75077200	6
ML404-45090	Naracoorte and Lucindale (DC)	Country South SA	5262	3318, 5262, 5268, 5271, 5272, 5273	4520.13325200	11
ML404-46674	Renmark Paringa (DC) - Renmark	Country South SA	5341	5340, 5341, 5440	175.96448400	3
ML404-46860	Robe (DC)	Country South SA	5276	5272, 5275, 5276, 5280	1091.60889100	2

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML404-47290	Southern Mallee (DC)	Country South SA	5302	5301, 5302, 5303, 5304, 5307	5702.20748600	1
ML404-47630	Tatiara (DC)	Country South SA	5267	5266, 5267, 5268, 5269, 5270, 5271, 5302	6527.20170800	4
ML404-47800	The Coorong (DC)	Country South SA	5259	5259, 5260, 5261, 5264, 5265, 5266, 5267, 5301	8832.44179100	1
ML404-48341	Wattle Range (DC) - East	Country South SA	5263	5263, 5271, 5277, 5278, 5279	1542.70522400	2
ML404-48344	Wattle Range (DC) - West	Country South SA	5279	5276, 5279, 5280, 5291	2383.64294100	6
ML405-40314	Barossa (DC) - Barossa	Country North SA	5235	5118, 5235, 5350, 5351, 5352, 5353	624.17186000	3
ML405-40315	Barossa (DC) - Tanunda	Country North SA	5352	5352, 5353, 5355	46.83438500	4
ML405-40430	Barunga West (DC)	Country North SA	5522	5520, 5522, 5523, 5550, 5552, 5554, 5555, 5560	1590.38913500	2
ML405-41010	Ceduna (DC)	Country North SA	5690	5661, 5680, 5690	5420.14154000	1
ML405-41140	Clare and Gilbert Valleys (DC)	Country North SA	5410	5401, 5410, 5411, 5412, 5413, 5414, 5415, 5416, 5451, 5452, 5453, 5455, 5461, 5464	1892.44584800	17
ML405-41560	Copper Coast (DC)	Country North SA	5552	5552, 5554, 5555, 5556, 5558	772.91448300	3
ML405-42110	Goyder (DC)	Country North SA	5374	5320, 5356, 5374, 5381, 5413, 5416, 5417, 5418, 5419, 5420, 5421	6716.01779200	1
ML405-43650	Light (RegC)	Country North SA	5360	5118, 5350, 5351, 5352, 5355, 5356, 5360, 5371, 5372, 5373, 5374, 5400, 5401, 5410, 5502	1276.84475300	15
ML405-43710	Lower Eyre Peninsula (DC)	Country North SA	5607	5606, 5607, 5630, 5631, 5632	4721.18780700	4
ML405-45120	Northern Areas (DC)	Country North SA	5454	5420, 5422, 5431, 5454, 5470, 5471, 5472, 5473, 5480, 5490, 5491, 5523	2986.18024300	2
ML405-45540	Peterborough (DC)	Country North SA	5422	5422, 5440, 5493	3020.01825100	2
ML405-46090	Port Augusta (C)	Country North SA	5700	5433, 5600, 5601, 5700, 5710	1152.07369900	7
ML405-46300	Port Lincoln (C)	Country North SA	5606	5606.0	30.36733700	11
ML405-46451	Port Pirie C Dist (M) - City	Country North SA	5540	5540.0	62.75561000	5
ML405-46970	Roxby Downs (M)	Country North SA	5725	5725.0	109.90716000	1
ML405-48130	Wakefield (DC)	Country North SA	5401	5401, 5453, 5460, 5461, 5462, 5464, 5501, 5502, 5510, 5520, 5550, 5555, 5560	3468.48852600	15
ML405-48540	Whyalla (C)	Country North SA	5600	5600, 5601, 5608, 5609, 5710	1032.34853100	7
ML405-48831	Yorke Peninsula (DC) - North	Country North SA	5570	5552, 5555, 5558, 5570, 5571, 5572, 5573, 5575, 5580, 5581, 5582	3581.74745700	2
ML405-48834	Yorke Peninsula (DC) - South	Country North SA	5576	5575, 5576, 5577, 5582, 5583	2317.85992200	1
ML405-49589	Unincorp. Far North	Country North SA	5720	5690, 5710, 5720, 5722, 5724, 5725, 5731, 5734	465255.64160000	1
ML501-50350	Bassendean (T)	Perth Central and East Metro	6054	6054.0	10.34451400	2
ML501-50420	Bayswater (C)	Perth Central and East Metro	6051	6050, 6051, 6052, 6053, 6054, 6059, 6062	32.76928700	2
ML501-51310	Cambridge (T)	Perth Central and East Metro	6007	6007, 6008, 6010, 6014, 6015, 6019	21.99369500	4
ML501-51750	Claremont (T)	Perth Central and East Metro	6010	6010.0	4.95564000	4
ML501-54200	Kalamunda (S)	Perth Central and East Metro	6057	6057, 6058, 6076, 6105, 6107, 6111	324.20020500	8
ML501-56090	Mundaring (S)	Perth Central and East Metro	6070	6055, 6056, 6070, 6071, 6072, 6073, 6074, 6081, 6082, 6083, 6556, 6558, 6560	643.25148700	6
ML501-56580	Nedlands (C)	Perth Central and East Metro	6009	6008, 6009, 6010, 6014	19.94721200	4
ML501-57082	Perth (C) - Remainder	Perth Central and East Metro	6004	6000, 6003, 6004, 6005, 6009, 6907	10.20183700	1

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML501-57980	Subiaco (C)	Perth Central and East Metro	6008	6005, 6008, 6009, 6014, 6907	6.97604500	1
ML501-58050	Swan (C)	Perth Central and East Metro	6055	6054, 6055, 6056, 6062, 6063, 6064, 6066, 6067, 6068, 6069, 6079, 6083, 6084, 6090	1043.21926600	13
ML501-58570	Vincent (T)	Perth Central and East Metro	6000	6000, 6003, 6004, 6005, 6006, 6007, 6016, 6050	11.37682100	5
ML502-54171	Joondalup (C) - North	Perth North Metro	6027	6026, 6027, 6028	39.19176900	8
ML502-54174	Joondalup (C) - South	Perth North Metro	6023	6020, 6023, 6024, 6025, 6026, 6027, 6064, 6065	59.73475300	19
ML502-57914	Stirling (C) - Central	Perth North Metro	6017	6014, 6016, 6017, 6021, 6022, 6050, 6052, 6059, 6060, 6061, 6062	59.10134700	9
ML502-57915	Stirling (C) - Coastal	Perth North Metro	6018	6014, 6015, 6017, 6018, 6019, 6020, 6021, 6029	37.24203900	11
ML502-58761	Wanneroo (C) - North-East	Perth North Metro	6031	6031, 6032, 6033, 6065, 6077, 6078	457.15858300	14
ML502-58764	Wanneroo (C) - North-West	Perth North Metro	6030	6030, 6032, 6033, 6034, 6035, 6036, 6037, 6038	190.49299100	7
ML502-58767	Wanneroo (C) - South	Perth North Metro	6064	6026, 6061, 6064, 6065	37.40908400	2
ML503-51820	Cockburn (C)	Fremantle	6161	6149, 6161, 6163, 6164, 6166	167.93785200	9
ML503-53432	Fremantle (C) - Remainder	Fremantle	6159	6159, 6160, 6162, 6163	17.99073600	1
ML503-55320	Melville (C)	Fremantle	6149	6149, 6150, 6153, 6154, 6156, 6157, 6163	52.81763600	11
ML504-50210	Armadale (C)	Bentley - Armadale	6111	6111, 6112	559.91584400	4
ML504-50490	Belmont (C)	Bentley - Armadale	6103	6100, 6101, 6103, 6104, 6105	39.68466900	4
ML504-51330	Canning (C)	Bentley - Armadale	6102	6102, 6106, 6107, 6147, 6148, 6149, 6155	64.89985400	10
ML504-53780	Gosnells (C)	Bentley - Armadale	6108	6107, 6108, 6109, 6110, 6112, 6147, 6155	127.19892100	15
ML504-57700	Serpentine-Jarrahdale (S)	Bentley - Armadale	6121	6121, 6122, 6123, 6124, 6125, 6126, 6182	904.07286800	1
ML504-57840	South Perth (C)	Bentley - Armadale	6151	6151, 6152	19.81171300	3
ML504-58510	Victoria Park (T)	Bentley - Armadale	6100	6100, 6101, 6102, 6106, 6151	17.93129800	3
ML505-54830	Kwinana (T)	Perth South Coastal	6165	6165, 6167, 6170	120.01184500	3
ML505-55110	Mandurah (C)	Perth South Coastal	6180	6180, 6209, 6210, 6211	174.22533900	18
ML505-56230	Murray (S)	Perth South Coastal	6181	6126, 6180, 6181, 6182, 6207, 6208, 6209, 6213, 6214	1710.04774500	1
ML505-57490	Rockingham (C)	Perth South Coastal	6168	6168, 6169, 6171, 6172, 6173, 6174, 6175, 6176, 6182	256.89093600	23
ML505-58820	Waroona (S)	Perth South Coastal	6215	6214, 6215	831.84837100	1
ML506-50081	Albany (C) - Central	South West WA	0	6330.0	34.27854900	3
ML506-50280	Augusta-Margaret River (S)	South West WA	6284	6284, 6285, 6286, 6288, 6290	2122.41429800	4
ML506-50560	Beverly (S)	South West WA	6304	6302, 6304	2370.51867500	1
ML506-51080	Broomehill-Tambellup (S)	South West WA	6318	6318, 6320	2609.12969800	1
ML506-51190	Bunbury (C)	South West WA	6230	6229, 6230, 6233	65.23450400	13
ML506-51260	Busselton (S)	South West WA	6280	6275, 6280, 6281, 6282	1454.01976100	3
ML506-51401	Capel (S) - Pt A	South West WA	0	6230, 6237	36.53623600	1
ML506-51890	Collie (S)	South West WA	6225	6225.0	1709.99952700	1
ML506-52450	Cunderdin (S)	South West WA	6405	6405, 6407	1862.44501600	1
ML506-52870	Donnybrook-Balingup (S)	South West WA	6239	6225, 6239, 6240, 6243, 6251, 6252, 6253, 6254, 6275	1560.02543800	1

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML506-53570	Gingin (S)	South West WA	6041	6041, 6042, 6043, 6044, 6503, 6507	3208.44122200	1
ML506-53991	Harvey (S) - Pt A	South West WA	6233	6233.0	27.68000200	3
ML506-53994	Harvey (S) - Pt B	South West WA	6218	6215, 6218, 6220, 6221, 6223, 6224, 6226, 6233	1700.20183900	1
ML506-54340	Katanning (S)	South West WA	6317	6317.0	1518.29319500	2
ML506-54550	Kojoonup (S)	South West WA	6394	6394, 6395	2931.14141900	1
ML506-54760	Kulin (S)	South West WA	6357	6355, 6357, 6363, 6365	4716.85541200	3
ML506-54900	Lake Grace (S)	South West WA	6353	6353, 6355, 6356, 6363	10381.82344000	1
ML506-55180	Manjimup (S)	South West WA	6258	6258, 6260, 6262, 6398	7025.74306200	1
ML506-55460	Merredin (S)	South West WA	6413	6413, 6414, 6415, 6420, 6421, 6480	3294.39186400	1
ML506-56440		ML_Name_Unknown		Unknown		1
ML506-57210	Plantagenet (S)	South West WA	6323	6323, 6324, 6326, 6397	4876.42585800	1
ML506-58190	Tammin (S)	South West WA	6409	6409.0	1101.69055700	1
ML506-58610	Wagin (S)	South West WA	6315	6315, 6316	1945.73076200	1
ML506-59450		ML_Name_Unknown		Unknown		1
ML506-59660		ML_Name_Unknown		Unknown		2
ML507-51470	Carnamah (S)	Goldfields - Midwest	6517	6517, 6518	2872.98939800	1
ML507-51960	Coolgardie (S)	Goldfields - Midwest	6429	6429, 6442, 6443	30353.90169000	2
ML507-53290	Esperance (S)	Goldfields - Midwest	6445	6445, 6446, 6447, 6448, 6450, 6452	45037.99287000	3
ML507-53522	Geraldton	Goldfields - Midwest	6530	6530, 6532	29.50226200	3
ML507-53524	Greenough - Pt A	Goldfields - Midwest	6532	6530, 6532	142.39524800	2
ML507-53526	Greenough - Pt B	Goldfields - Midwest	6528	6528, 6532	1606.82362300	1
ML507-54060	Irwin (S)	Goldfields - Midwest	6525	6525.0	2371.96181400	2
ML507-54281	Kalgoorlie/Boulder (C) - Pt A	Goldfields - Midwest	6430	6430, 6432, 6434	102.70540400	13
ML507-55810	Mount Magnet (S)	Goldfields - Midwest	6638	6638, 6640	13872.88656000	1
ML507-56790	Northampton (S)	Goldfields - Midwest	6535	6532, 6535, 6536	12617.80819000	1
ML507-57770	Shark Bay (S)	Goldfields - Midwest	6537	6532, 6537	24140.07102000	1
ML507-92009	Territory of Christmas Island	Goldfields - Midwest	6798	6798.0	136.13576800	1
ML508-50250	Ashburton (S)	Kimberley - Pilbara	6710	6710, 6711, 6712, 6716, 6751, 6754	100960.33860000	7
ML508-50980	Broome (S)	Kimberley - Pilbara	6725	6725, 6726	54631.86940000	7
ML508-53220	East Pilbara (S)	Kimberley - Pilbara	6753	872, 6721, 6753, 6758, 6760, 6762	371309.00120000	3
ML508-57280	Port Hedland (T)	Kimberley - Pilbara	6721	6721, 6722, 6760	18431.10960000	10
ML508-57560	Roebourne (S)	Kimberley - Pilbara	6713	6713, 6714, 6718, 6720	15235.79636000	4
ML508-59520		ML_Name_Unknown		Unknown		4
ML601-60210	Break O'Day (M)	Tasmania	7214	7213, 7214, 7215, 7216, 7263, 7264	3525.74910500	3
ML601-60611	Burnie (C) - Pt A	Tasmania	7320	7316, 7320, 7321	79.79137400	7
ML601-60612	Burnie (C) - Pt B	Tasmania	7321	7320, 7321	531.16185300	1
ML601-60811	Central Coast (M) - Pt A	Tasmania	7315	7310, 7315, 7316	106.35720600	13
ML601-60812	Central Coast (M) - Pt B	Tasmania	0	7310, 7315, 7316	826.73206700	2
ML601-61010	Central Highlands (M)	Tasmania	0	7030, 7140, 7304	7982.41534800	1
ML601-61210	Circular Head (M)	Tasmania	7330	7321, 7330, 7331	4897.63111700	2
ML601-61410	Clarence (C)	Tasmania	7015	7015, 7016, 7017, 7018, 7019, 7020, 7021, 7022, 7023, 7024, 7025, 7026, 7170, 7172	377.95457500	9
ML601-61610	Devonport (C)	Tasmania	7310	7307, 7310, 7315	111.25845500	8

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id	SLAName	MLName	PCode	P CodesAll	Area	cntTot
ML601-61810	Dorset (M)	Tasmania	7260	7254, 7260, 7261, 7262, 7263, 7264, 7265	3227.61891300	1
ML601-62211	George Town (M) - Pt A	Tasmania	7253	7252, 7253	104.55621000	7
ML601-62212	George Town (M) - Pt B	Tasmania	0	7252, 7253, 7254, 7267	548.88236800	3
ML601-62410	Glamorgan/Spring Bay (M)	Tasmania	7190	7120, 7172, 7190, 7213, 7215	2591.35025300	4
ML601-62610	Glenorchy (C)	Tasmania	7009	7008, 7009, 7010, 7011, 7012, 7030	121.14870000	12
ML601-62811	Hobart (C) - Inner	Tasmania	0	7000, 7004	1.24730900	3
ML601-62812	Hobart (C) - Remainder	Tasmania	7000	7000, 7004, 7005, 7007, 7008, 7050, 7054	76.66459900	13
ML601-63010	Huon Valley (M)	Tasmania	7001	7001, 7054, 7109, 7112, 7113, 7116, 7117, 7150, 7163	5507.33546300	4
ML601-63410	King Island (M)	Tasmania	7256	7256.0	1095.76397000	1
ML601-63611	Kingborough (M) - Pt A	Tasmania	7050	7007, 7050, 7052, 7053, 7054, 7055, 7109, 7150	269.62784400	4
ML601-63811	Latrobe (M) - Pt A	Tasmania	7307	7307, 7310	152.01510900	6
ML601-63812	Latrobe (M) - Pt B	Tasmania	0	7275, 7304, 7305, 7307, 7310	448.44442500	1
ML601-64012	Launceston (C) - Pt B	Tasmania	7248	7248, 7249, 7250, 7252, 7258, 7259	236.44388600	31
ML601-64211	Meander Valley (M) - Pt A	Tasmania	7290	7250, 7290	28.60567300	3
ML601-64212	Meander Valley (M) - Pt B	Tasmania	7291	7250, 7277, 7290, 7291, 7292, 7301, 7302, 7303, 7304, 7306	3301.72583000	1
ML601-64611	Northern Midlands (M) - Pt A	Tasmania	7212	7212, 7258, 7291, 7300, 7301	139.91247700	5
ML601-64612	Northern Midlands (M) - Pt B	Tasmania	7209	7120, 7209, 7210, 7211, 7212, 7213, 7300, 7301, 7302	4996.59271200	2
ML601-64811	Sorell (M) - Pt A	Tasmania	7171	7171, 7172, 7173	257.45539900	4
ML601-64812	Sorell (M) - Pt B	Tasmania	7174	7172, 7173, 7174, 7175, 7176, 7177	326.21455200	1
ML601-65010	Southern Midlands (M)	Tasmania	7026	7017, 7026, 7027, 7030, 7119, 7120, 7172, 7190	2615.42070000	3
ML601-65210	Tasman (M)	Tasmania	7178	7001, 7177, 7178, 7179, 7180, 7182, 7183, 7184, 7185, 7186, 7187	660.49591500	5
ML601-65411	Waratah/Wynyard (M) - Pt A	Tasmania	7322	7321, 7322, 7325	171.91615400	4
ML601-65412	Waratah/Wynyard (M) - Pt B	Tasmania	0	7321, 7322, 7325	3359.15826800	1
ML601-65610	West Coast (M)	Tasmania	7466	7321, 7466, 7467, 7468, 7469, 7470	9589.76982000	6
ML601-65811	West Tamar (M) - Pt A	Tasmania	7270	7250, 7270, 7275, 7276, 7277	294.04734500	10
ML601-65812	West Tamar (M) - Pt B	Tasmania	0	7250, 7270, 7275, 7277, 7303	397.10158300	1
ML801-80189	Amslie	Australian Capital Territory	0		3.54082200	2
ML801-80279	Aranda	Australian Capital Territory	0		1.56335800	1
ML801-80339	Banks	Australian Capital Territory	0		2.25332600	1
ML801-80459	Belconnen Town Centre	Australian Capital Territory	0		4.42564200	1
ML801-80639	Braddon	Australian Capital Territory	0		1.39905200	2
ML801-80729	Bruce	Australian Capital Territory	0		6.60872700	4
ML801-80819	Calwell	Australian Capital Territory	0		3.89239900	1
ML801-81179	Charnwood	Australian Capital Territory	0		1.85605000	1
ML801-81359	Chisholm	Australian Capital Territory	0		3.10449500	1
ML801-81449		ML_Name_Unknown	0	Unknown		6
ML801-81549	Conder	Australian Capital Territory	0		4.52386900	1
ML801-81649	Grace	Australian Capital Territory	0		1.65723100	1

Continued on next page

Table H.1 – Continued from previous page

id	SLAName	MLName	PCode	PCodeAll	Area	cntTot
ML801-81719	Curtin	Australian Capital Territory	0		4.80768200	2
ML801-81889	Dickson	Australian Capital Territory	0		1.57790600	1
ML801-82259	Evatt	Australian Capital Territory	0		3.06040100	1
ML801-82349	Fadden	Australian Capital Territory	0		3.10642000	2
ML801-82709	Flynn	Australian Capital Territory	0		2.09567600	1
ML801-82889	Fraser	Australian Capital Territory	0		2.47498900	1
ML801-83159	Gilmore	Australian Capital Territory	0		2.04540000	3
ML801-83289	Gordon	Australian Capital Territory	0		4.44147300	2
ML801-83429	Griffith	Australian Capital Territory	0		2.75597000	3
ML801-83609	Hackett	Australian Capital Territory	0		1.94977600	1
ML801-83819	Harrison	Australian Capital Territory	0		2.96114000	1
ML801-83969	Higgins	Australian Capital Territory	0		1.67419700	1
ML801-84509	Isabella Plains	Australian Capital Territory	0		2.49497400	1
ML801-84779	Kaleen	Australian Capital Territory	0		6.02740000	4
ML801-84869	Kambah	Australian Capital Territory	2902	2902.0	11.33544500	6
ML801-84959		ML_Name_Unknown		Unknown		4
ML801-85589		ML_Name_Unknown		Unknown		1
ML801-85859	Mawson	Australian Capital Territory	0		2.11288200	1
ML801-85949	Melba	Australian Capital Territory	0		2.30732100	1
ML801-86129	Monash	Australian Capital Territory	0		3.41196100	1
ML801-86219	Narrabundah	Australian Capital Territory	0		4.09079100	2
ML801-86249	Ngunnawal	Australian Capital Territory	0		4.15934900	3
ML801-86669	Page	Australian Capital Territory	0		1.32258400	1
ML801-86719	Palmerston	Australian Capital Territory	828	822, 828, 829, 830, 832	1.94797800	2
ML801-86849	Pearce	Australian Capital Territory	0		1.70336400	1
ML801-86939	Phillip	Australian Capital Territory	0		2.57489400	1
ML801-87289	Richardson	Australian Capital Territory	0		2.23711900	2
ML801-87389	Rivett	Australian Capital Territory	0		1.61031000	1
ML801-87659	Spence	Australian Capital Territory	0		1.52234600	2
ML801-88109	Torrens	Australian Capital Territory	0		1.30112600	1
ML801-88379	Wanniassa	Australian Capital Territory	0		5.39692000	1
ML801-88469	Waramanga	Australian Capital Territory	0		1.70989300	1
ML801-88649	Weetangera	Australian Capital Territory	0		1.58345200	2
ML801-88739	Weston	Australian Capital Territory	0		3.05369500	1
ML801-88919	Yarralumla	Australian Capital Territory	0		7.20989700	1
Unknown-32662		ML_Name_Unknown		Unknown		4
Unknown-32663		ML_Name_Unknown		Unknown		1
Unknown-32665		ML_Name_Unknown		Unknown		1
Unknown-32666		ML_Name_Unknown		Unknown		1
Unknown-36414		ML_Name_Unknown		Unknown		1

Source of ABS socio-economic data

The **Australian Bureau of Statistics (ABS)** provides a wide range of statistics for various standard geographical areas. Of these, the Socio-Economic Indexes for Areas (SEIFA 2011) were obtained free of charge from the ABS website's download page for 2033.0.55.001 – Census of Population and Housing: Socio-Economic Indexes for Areas (SEIFA), Australia, 2011:

<http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/2033.0.55.0012011?OpenDocument>

SEIFA 2011 consists of four key socio-economic indices:

- Index of Relative Socio-economic Disadvantage (IRSD)
- Index of Relative Socio-economic Advantage and Disadvantage (IRSAD)
- Index of Education and Occupation (IEO)
- Index of Economic Resources (IER)

These indices are explained in depth in the Socio-Economic Indexes for Areas (SEIFA) 2011 Technical Paper, also available via the above link.

ABS SEIFA Data Acquisition and Preparation

Key ABS socio-economic indicators were located via a search of the ABS website and were downloaded from this page:

<http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/2033.0.55.0012011?OpenDocument>

File downloaded:

Statistical Local Area, Indexes, SEIFA 2011 - 2033.0.55.001 sla indexes.xls

SEIFA data used was located in the Table 1 worksheet, which included both the scores and deciles across each of the 4 key socio-economic indices listed above (IRSD, IRSAD, IEO and IER) for each Statistical Local Area.

The SEIFA scores and deciles were added to the MODS data set, based on the SLA column which was used as the data source for a VLOOKUP formula that was used to extract the SEIFA data from the Table 1 worksheet for each SLA represented in the MODS data set.

§1 Abbreviations

Major Open Data Collections (MODC)
Loddon Mallee Murray Medicare Local (LMMML)
Bendigo Health Hospital (BHH)
Australian Institute of Health and Welfare (AIHW)
Australian Bureau of Statistics (ABS)
Statistical Local Area (SLA)
Australian Refined Diagnosis Related Groups (AR-DRG)
Major Diagnostic Category (MDC)
MySQL (MySQL)
Comma Separated Values (CSV)
Excel (XLS)
La Trobe University (LTU)
La Trobe University Library (LTU-Lib)
La Trobe University Health Sciences (LTU-HS)
Research Data Store (RDS)
Research Office (RO)
Meta Data Store (MDS)
Digital Infrastructure (DI)

§2 Entities / Tables

Patient ([ml_patient])
PatientIDMap ([ml_patientidmap])
Episode ([ml_episode])
EpisodeType ([ml_episode_type])
Diagnosis ([ml_diagnosis])
Measurement ([ml_measurement])
MeasurementType ([ml_measurement_type])
MeasurementTypeDesc ([ml_measurement_type_desc])
Medication ([ml_medication])
MedicationType ([ml_medication_type])
MedicationTypeDesc ([ml_medication_type_desc])
MedicationTypeMedicationTypeDesc ([ml_medicationtype_medicationtypedesc])
Organisation ([ml_organisation])
OrganisationType ([ml_organisation_type])
MBSDataForm ([ml_mbs])
MBSItem ([ml_mbs_item])
ServicingProviderLinkIDMap ([ml_servicingproviderlinkidmap])
ABS ([ml_abs])

Sex ([ml_sex])
Smoking ([ml_smoker])
DiagnosisGrouping ([ml_diagnosis_grouping])
DiagnosisGroupingDesc ([ml_diagnosis_grouping])

§3 Input → Output files

Patient (Patients.xlsx) → ml_patient.csv
Episode (Episodes.xlsx) → ml_episode.csv
EpisodeType (Episode_Types.xlsx) → ml_episode_type.csv
Diagnosis (Diagnosis.xlsx) → ml_diagnosis.csv
Measurement (Measurements.xlsx) → ml_measurement.csv
Medication (Medications.xlsx) → ml_medication.csv
Organisation (Organisations.xlsx) → ml_organisation.csv
MBSDataForm (MBS.xlsx) → ml_mbs.csv
ABS (ABS.xlsx) → ml_abs.csv
Sex (Sex.xlsx) → ml_sex.csv
MBSItem (MBSItem.xlsx) → ml_mbs_item.csv
OrganisationType (OrganisationType.xlsx) → ml_organisation_type.csv
MedicationType (MedicationType.xlsx) → ml_medication_type.csv
MedicationTypeDesc (MedicationTypeDesc.xlsx) → ml_medication_type_desc.csv
MeasurementType (MeasurementType.xlsx) → ml_measurement_type.csv
Smoking (Smoker.xlsx) → ml_smoker.csv
DiagnosisGrouping (Diagnosis_Grouping.xlsx) → ml_diagnosis_grouping.csv
DiagnosisGroupingDesc (Diagnosis_Grouping_Desc.xlsx) → ml_diagnosis_grouping_desc.csv
OrganisationType (OrganisationType.xlsx) → ml_organisation_type.csv
MedicationType (MedicationType.xlsx) → ml_medication_type.csv
MedicationTypeDesc (MedicationTypeDesc.xlsx) → ml_medication_type_desc.csv
MeasurementType (MeasurementType.xlsx) → ml_measurement_type.csv

§4 Programs

ABS (001_ABS.py)
Sex (002_Sex.py)
Smoker (003_Smoker.py)
EpisodeType (004_Episode_Type.py)
MaritalStatus (005_Marital_Status.py)
Organisation (006_Organisation.py)
PatientIDMap (007_PatientIDMap.py)
Patient (008_Patient.py)
DiagnosisGrouping (009_Diagnosis_Grouping.py)
Episode (010_Episode.py)
Diagnosis (011_Diagnosis.py)
Measurement (012_Measurement.py)
Medication (013_Medication.py)
MBS (014_MBS.py)
ServicingProviderLinkIDMap (015_ServicingProviderLinkIDMap.py)

UpdateAggregates (016_UpdateAggregates.py)
017DumpMODS02Exclude! (017DumpMODS02Exclude!)
018DumpMODS02Publish! (018DumpMODS02Publish!)
019CreateExampleQuery! (019CreateExampleQuery!)
020CreateAndExportABSTex! (020CreateAndExportABSTex!)
CreateSummaryTablesLowCount (021_CreateSummaryTablesLowCount.py)
CreateSummaryTables (022_CreateSummaryTables.py)
ExportCSVOfSchema (023_ExportCSVOfSchema.sh)
Publish (024_Publish.sh)