

**DATA EXTRACT OF COMMUNITY NURSING DATA**

**PROVIDED TO UNIVERSITY OF QUEENSLAND FOR THE  
AUSTRALIAN LONGITUDINAL STUDY INTO WOMEN'S HEALTH  
(ALSWH)**

**October 2016**

**V1.0**

## **Background – Community Nursing**

The aim of DVA's Community Nursing program is to enhance the independence and health outcomes of an entitled person by avoiding early admission to hospital and/or residential care by providing access to community nursing services to meet an entitled person's assessed clinical and/or personal care needs.

### **Data Sources**

The Community Nursing (CN) data comes from two sources:

- Treatment Accounts data (TAS) electronically sent to DVA from Department of Human Services (Medicare Australia)
- A Minimum Data Set submitted by the CN provider to Department of Human Services (Medicare Australia) and received by DVA

### **Submitting MDS Data**

DVA requires Community Nursing (CN) providers to submit data on all the community nursing services delivered to an entitled DVA client. This data is referred to as the Minimum Data Set (MDS).

The MDS is used by DVA to monitor the appropriateness of the provision of community nursing services and ensure that an entitled person receives quality health outcomes.

The MDS collects information on:

- Claim Details:
  - entitled person's name, file number and claim start date; and
  - item numbers claimed.
- Staffing Resources Used (in the 28-day day claim period):
  - level of personnel delivering community nursing services to the entitled person; and
  - visits/occurrences and hours of care provided by each level of personnel delivering community nursing services.

The CN provider claims for payment through the Department of Human Services (DHS)/Medicare. DHS pays the claim for payment on behalf of DVA.

MDS data arrives at DVA either primarily by data feed from the Department of Human Services (Medicare) as part of the Medicare claim.

At DVA, a matching process is done on the MDS and TAS data. DVA matches the TAS and MDS records on Provider Number, Client file number, date of service and item code.

## Data Provided in Extract

In broad terms, the following data is provided:

- only DVA clients that have been selected by the Australian Institute of Health and Welfare (AIHW) and have Community Nursing services have been extracted. 'Client\_Surrogate\_Key' is used to match with a DVA client unique identifier
- reference tables that may be useful in understanding the data.

## Data Quality Issues

All the CN data comes to DVA via data feeds from DHS (Medicare). There may some minor anomalies in the data, depending on what has been submitted to Medicare. Although DVA tries to match TAS and MDS data, a match can not always be made. We've supplied any data that we have. *NOTE: matched status of records was not included in the data sent in October. If this is required, please let me know.*

There is also a possibility that claims made by CN providers that have been paid and sent to DVA, can be re-submitted to Medicare if the provider later finds an error with the original claim. In this case, Medicare deletes the original claim, the provider submits a new claim (which is given a new identifier). While DVA will receive the new claim, there's no indication in the data feed that this is a replacement claim for the previous one. This can lead to costs to DVA being overestimated.

This is the main extract of DVA's Community Nursing Data.

W\_ALSWH\_COMMUNITY\_NURS

| Field Name                      | Type      | Length | Format     | Comment  |
|---------------------------------|-----------|--------|------------|--|
| IDalias                         | Numeric   | 6      |            |  |
| EPISD_ID                        | Numeric   | 8      |            | Identifies a Community Nursing episode of care. All records comprising the episode are identified by the Episode Id and an Episode Claim Sequence Number (see field below) |
| EPISD_CLM_SQ_NUM                | Numeric   | 4      |            | Sequence Number assigned to each CN Item/Claim Period comprising the CN Episode of Care. One Episode may have multiple Episode Claim Sequence Numbers                      |
| Classification_Cde              | Character | 2      |            | Descriptions of related groupings for CN treatment item numbers.   |
| Item_Cde                        | Character | 5      |            | DVA (or CMBS) treatment item code number as paid by the various payment systems.   |
| X_Service_Dte                   | Numeric   | 5      | dd/mm/yyyy | Date of service  |
| X_CNC_Visits_Num                | Numeric   | 5      |            | Number of Clinical Nurse Consultant visits to the client in the 28 day claim period.   |
| X_CNC_Hours_Num                 | Numeric   | 5      |            | Number of Clinical Nurse Consultant hours spent during visits to the client in the 28 day claim period.  |
| X_RN_Visits_Num                 | Numeric   | 5      |            | Number of Registered Nurse visits to the client in the 28 day claim period.  |
| X_RN_Hours_Num                  | Numeric   | 5      |            | Number of Registered Nurse hours spent during visits to the client in the 28 day claim period.   |
| X_SEN_Visits_Num                | Numeric   | 5      |            | Number of Enrolled Nurse visits to the client in the 28 day claim period.  |
| X_SEN_Hours_Num                 | Numeric   | 5      |            | Number of Enrolled Nurse hours spent during visits to the client in the 28 day claim period.   |
| X_AIN_Visits_Num                | Numeric   | 5      |            | Number of Nursing Support Staff (Assistant in Nursing) visits to the client in the 28 day claim period.  |
| X_AIN_Hours_Num                 | Numeric   | 5      |            | Number of Nursing Support Staff (Assistant in Nursing) hours spent during visits to the client in the 28 day claim period.   |
| BEDDAYS                         | Numeric   | 8      |            | Number of paid accommodation days that have occurred during the 28 day CN claim period.  |
| X_Benefit_Paid_Amt              | Numeric   | 8      |            | The amount paid to the Service Provider<br>** NB: this amount is in cents. Divide by 100 for dollars/cent  |
| Admission_Num                   | Character | 1      |            | Number of hospital admissions during a 28 day claim period(?)<br>**not reliable – some values are numeric, others Y/N  |
| Servicing_Provider_Id           | Character | 8      |            | Identifies the service provider  |
| Serv_Provider_Specialty_Cls_Cde | Character | 3      |            | Service Provider Specialty Classification code   |
| Serv_Pv_Specialty_Detail_Cde    | Character | 3      |            | Service Provider Specialty Detail code   |
| X_Admission_Dte                 | Numeric   | 5      | dd/mm/yyyy | The date of admission is the first face-to-face contact visit between a CN provider's personnel and the entitled person.   |
| X_Discharge_Dte                 | Numeric   | 5      | dd/mm/yyyy | Date the episode of care ended (based on the discharge or separation date).  |
| X_Service_To_Dte                | Numeric   | 5      | dd/mm/yyyy |  |
| X_Hosp_Resp_Hol_Admission_Dte   | Numeric   | 5      | dd/mm/yyyy | The date on which a variation in the episode of care provided to the veteran commenced.  |
| X_Hosp_Resp_Hol_Discharge_Dte   | Numeric   | 5      | dd/mm/yyyy | The date on which a variation in the episode of care provided to the veteran ended.  |
| X_Alone_Ind                     | Character | 1      |            | Indicates whether the client lives alone.  |
| X_Carer_Ind                     | Character | 1      |            | Indicates whether the client has a carer.  |
| ADL_Tool_Type_Cde               | Character | 1      |            | Identifies the Activity of Daily Living assessment tool used to assess the veteran   |
| X_Transfer_Ind                  | Character | 1      |            | Indicates whether the client can transfer from different places around the home without  |

|                           |           |    |  |   |
|---------------------------|-----------|----|--|---|
|                           |           |    |  | assistance. (eg bed to wheelchair).   |
| X_Bathing_Ind             | Character | 1  |  | Indicates whether the client can bath without assistance.   |
| X_Dressings_Ind           | Character | 1  |  | Indicates whether the client can dress without assistance.  |
| X_Toileting_Ind           | Character | 1  |  | Indicates whether the client can use toileting facilities without assistance.   |
| X_Mobility_Ind            | Character | 1  |  | Indicates whether the client can move while bedridden without assistance.   |
| X_Eating_Ind              | Character | 1  |  | Indicates whether the client can eat without assistance   |
| X_Cognitive_Behaviour_Ind | Character | 1  |  | Indicates whether the client lacks cognitive awareness  |
| DEPNDCY_LVL               | Character | 10 |  | Description of the overall dependency level (ie HIGH, LOW) of the client derived from the ADL Tool used and a specified combination of dependency indicator values. |

## REFERENCE TABLES

To minimise the amount of long text fields in the data, codes have been used. The code/reference tables have been provided. Below are descriptions of the code table fields.

### W\_ALSWH\_CN\_ADL

| Field Name      | Type      | Length | Comment  |
|-----------------|-----------|--------|--|
| Type_Cde        | Character | 1      | Code to identify the tool used to determine the level of ADLs (Activities of Daily Living) |
| Tool_Type_LDesc | Character | 20     | ADL tool name  |

### W\_ALSWH\_CN\_CLASSIFICATION\_CDE

| Field Name           | Type      | Length | Comment   |
|----------------------|-----------|--------|---|
| Classification_Cde   | Character | 2      | Community Nursing treatment item numbers.                                       |
| Classification_LDesc | Character | 40     | Descriptions of related groupings for Community Nursing treatment item numbers. |

Only current codes/descriptions relevant to client cohort are provided.

### W\_ALSWH\_CN\_PROVIDER\_SPEC\_CDE

| Field Name                      | Type      | Length | Comment  |
|---------------------------------|-----------|--------|--|
| Serv_Provider_Specialty_Cls_Cde | Numeric   | 3      | Service Provider Specialty Classification Code ie. C83 |
| Serv_Pv_Specialty_Detail_Cde    | Character | 3      | Service Provider Specialty Detail Code                 |
| Provider_Specialty_LDesc        | Character | 80     | Service Provider Specialty description                 |

W\_ALSWH\_PROV\_PRACTICE\_DETAILS

| Field Name            | Type      | Length | Comment  |
|-----------------------|-----------|--------|--|
| Provider_Practice_Id  | Character | 10     | Alphanumeric code that uniquely identifies the Service Provider Practice.                      |
| Provider_Id           | Numeric   | 6      | Identifies the Provider. Note: one Service Provider_Id may have multiple Provider_Practice_Ids |
| Provider_Title_Txt    | Character | 16     | Service Provider's title (if it exists)  |
| Provider_Initials_Txt | Character | 2      | Service Provider's initials (if they exists)   |
| Provider_LNme         | Character | 80     | Service Provider name ie either a person or an organisation                                    |

Only service providers who have provided a service to the client cohort have been included. Note: a handful of these records are missing Provider\_Id & Provider name.

W\_ALSWH\_SERVICE\_ITEM\_CDE

| Field Name            | Type      | Length | Comment                                   |
|-----------------------|-----------|--------|---|
| Svc_Itn_Cde           | Character | 5      | Identifies the Service Item               |
| Svc_Itn_Nme           | Character | 500    | Service Item Name                         |
| Svc_Itn_Cat_Lvl1_Desc | Character | 128    | Service Item Category Level 1 Description |
| Svc_Itn_Cat_Lvl2_Desc | Character | 128    | Service Item Category Level 2 Description |
| Svc_Itn_Cat_Lvl3_Desc | Character | 128    | Service Item Category Level 3 Description |

Only Community Nursing service items have been included, and only those used by client cohort. Of the 257 records, approximately 10 records do not have names & descriptions