**Clusters of Variables in the ARS Bridge**

1. Long lists of variables in tables should be avoided as unfriendly to users. The table below shows the classes to be used to cluster variables, along with the number of variables that will classify into each be data type. For MEQS and DEERS Person detail, there are subclasses not used for the other tables. The remaining smaller data type tables will not be clustered.

Table of Distribution of Variables by Cluster Class in each Data Type

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | NMOP | DEERS Person | SIDR | SADR | HCSR-I | HCSR-P | NMOP | MEQS |
| Measures  Manpower  Expenses  Workload | 5 | 3 | 13 | 6 | 16 | 10 | 5 | 1  12  5  6 |
| Person Attributes  Demographics  Beneficiary  Sponsor  Identifiers/Residence  Identifiers  Residence  Enrollment/Entitlement | 6  6  8 | (24)  14  10  (15)  9  6  7 | 10  5  7 | 10  5  10 | 7  4  8 | 7  6  11 | 6  6  8 | - |
| Treatment Attributes  Dates  Condition/Disease  Care & Services  Provider | 4  -  9  4 | -  -  -  - | 6  11  11  7 | 5  5  18  11 | 10  13  9  8 | 9  5  7  8 | 4  -  9  4 | 4  -  -  4 |
|  |  |  |  |  |  |  |  |  |
| Total | 42 | 49 | 68 | 70 | 85 | 63 | 42 | 32 |

1. In order for this document to remain flexible without requiring alteration as new variables are added or deleted to different tables, a description of each class is provided, but without enumerating each variable of each table that would be within it.

**Variable Classes**

* Measures – all measures in all tables are in the same class except in the MEQS table, which includes:
* Manpower: all measures referencing FTEs
* Expenses: all measures referencing expense
* Workload: all other measures
* Person Attributes
* Demographics – all tables use this class, but the DEERS Person table also uses subclasses below
* Beneficiary – Demographic information about the beneficiary (includes anything that is not an identifier, residence information, or enrollment or entitlement data)
* Sponsor—Demographic information about the sponsor
* Identifiers/Residence– all tables use this class, but the DEERS Person table also uses subclasses below
* Identifiers – Items that identify a person, such as SSN, Person ID, HIC Number, name
* Residence – Information about the person’s residence, including address, zip code, catchment or market areas, and region
* Enrollment/Entitlement – Information about the person’s health care entitlements, such as eligibility, alternate care value, enrollment DMIS ID (and information about the enrolling organization such as its parent or region)
* Treatment Attributes
* Dates – all dates associated with the provision of care such as start dates, end dates, disposition and admission dates, service dates, FY, CY, FM and CM for services.
* Condition/Disease – information about the patient’s condition or disease such as ICD-9-CM diagnosis codes, preventable admission indicators, disposition status
* Care & Services – information about the care given the patient, such as CPT codes, ICD-9-CM procedure codes
* Provider – information about the caregiver and caregiving organization such as treatment DMIS ID (and its parent), Provider ID, Provider specialty, treatment region (location of provider)