**27 November 2017**

NPI Directory

for the MHS Mart (M2)

(Version 1.00.06)

Current Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Para/Tbl/Fig** | **Originator** | **Description of Change** |
| 1.00.00 | 06/25/2014 | * Initial | W. Funk | * Initial version |
| 1.00.01 | 8/6/2014 | * Section VIII * Table 2 | W. Funk | * Clarified data matching in joined fields. * Dropped pseudo person ID; added record count |
| 1.00.02 | 9/3/2014 | * Table 1 * Table 2 | W. Funk | * Updated variable names * Updated variable names. Added Region variables. |
| 1.00.03 | 10/9/2014 | * Table 1 | J. Huber for W. Funk | * Update variable names for alphabetical order |
| 1.00.04 | 12/15/2016 | * Table 1 | K. Hofmann | * Change business rule for HIPAA Taxonomy fields to only use fields hipaa1-hipaa5 for all NPI types |
| 1.00.05 | 8/21/2017 | * Table 1 * Table 2 | B. Ross for W. Funk | * Added new fields related to NDAA and region transition * Hid region fields |
| 1.00.06 | 11/27/2017 | * Table 2 | W. Funk | * Hid assigned DMIS ID T3 Region that was a looked up variable. |

# M2 National Provider Identifier (NPI) Directory

1. Source: The NPI Directory file is provided to M2 by the MDR.
2. File Format: Regardless of the length specified, all fields are variable length and delimited by “|”. A null field will simply have an end of field delimiter “|” immediately following the previous field’s end of field delimiter.
3. File Content: The M2 NPI Directory table contains all NPIs and provider EDIPNs through a merge of the CMS NPPES file to the DMHRS HR Basic File that is done in MDR processing.
4. Organization and Batching: Each month, a full replacement update file will be provided, representing all-time. No batching is required.
5. Frequency of Processing: Refreshes are monthly.
6. Filters: All MDR CBER NPPES records are provided to M2, and no additional filters are applied.
7. MDR Feed Layout to M2. Table 1 contains the layout of the M2 NPI Directory feed.

**Table 1: File Layout and Transformation Rules to Prepare the Feed to go to M2 NPI Directory File**

| **Field** | **Format** | **SAS Name From MDR** | **Derivation** |
| --- | --- | --- | --- |
| National Provider ID | $10 | npi | No transformation. |
| MTF Match Flag | $1 | mtf\_match | No transformation. |
| Person ID | $10 | edipn | No transformation. *In restricted universe only* |
| Assigned DMIS ID | $4 | assig\_dmisid | No transformation. |
| NPI Type Code | $1 | entity | No transformation. |
| Replacement NPI | $10 | r\_npi | No transformation. |
| Name, Organization | $70 | orgname | No transformation. |
| Name, Last | $35 | lname | No transformation. |
| Name, First | $20 | fname | No transformation. |
| Name, Middle | $20 | mname | No transformation. |
| Name, Prefix | $5 | prefix | No transformation. |
| Name, Suffix | $5 | suffix | No transformation. |
| Credential Text | $20 | credent | No transformation. |
| Name, Other Organization | $70 | orgname2 | No transformation. |
| Name, Other Last | $35 | lname2 | No transformation. |
| Name, Other First | $20 | fname2 | No transformation. |
| Name, Other Middle | $20 | mname2 | No transformation. |
| Name, Other Prefix | $5 | prefix2 | No transformation. |
| Name, Other Suffix | $5 | suffix2 | No transformation. |
| Other Credential Text | $20 | credential2 | No transformation. |
| Name, Other Type Code | $1 | lnamecode | No transformation. |
| Address (Mailing) Line 1 | $55 | mail\_addr1 | No transformation. |
| Address (Mailing) Line 2 | $55 | mail\_addr2 | No transformation. |
| Address (Mailing) City | $40 | mail\_city | No transformation. |
| Address (Mailing) State | $40 | mail\_state | No transformation. |
| Address (Mailing) ZIP | $5 | mail\_zip | No transformation. |
| Address (Mailing) Country | $2 | mail\_country | No transformation. |
| Address (Mailing) Telephone | $20 | mail\_phone | No transformation. |
| Address (Mailing) Fax | $20 | mail\_fax | No transformation. |
| Address (Practice) Line 1 | $55 | prac\_addr1 | No transformation. |
| Address (Practice) Line 2 | $55 | prac\_addr2 | No transformation. |
| Address (Practice) City | $40 | prac\_city | No transformation. |
| Address (Practice) State | $40 | prac\_state | No transformation. |
| Address (Practice) ZIP | $5 | prac\_zip | No transformation. |
| Address (Practice) Country | $2 | prac\_country | No transformation. |
| Address (Practice) Telephone | $20 | prac\_phone | No transformation. |
| Address (Practice) Fax | $20 | prac\_fax | No transformation. |
| Provider Enumeration Date | $8 | enum\_date1 | YYYYMMDD |
| Last Update Date | $8 | last\_updt1 | YYYYMMDD |
| NPI Deactivation Reason Code | $2 | deact\_rea | No transformation. |
| NPI Deactivation Date | $8 | deac\_date1 | YYYYMMDD |
| NPI Reactivation Date | $8 | reac\_date1 | YYYYMMDD |
| Gender | $1 | gender | No transformation. |
| Authorized Official Last Name | $35 | lname\_ao | No transformation. |
| Authorized Official First Name | $20 | fname\_ao | No transformation. |
| Authorized Official Middle Name | $20 | mname\_ao | No transformation. |
| Authorized Official Title or Position | $35 | titlepos\_ao | No transformation. |
| Authorized Official Telephone | $20 | phone\_ao | No transformation. |
| Healthcare Provider Taxonomy\_n; n=1 to 5 | $10 | hipaan | No transformation. These will be 5 separate fields in M2. |
| Primary Taxonomy Flag | $1 | hipaasn | Set to the first listed number where the provider taxonomy is listed as primary. |
| Other Provider n ID; n=1 to 3 | $20 | idn | No transformation. 3 separate fields |
| Other Provider n ID Type; n= 1 to 3 | $2 | idtypen | No transformation. 3 separate fields |
| Other Provider n Identifier State; n=1 to 3 | $2 | idstaten | No transformation. 3 separate fields |
| Other Provider n Identifier Issuer; n=1 to 3 | $80 | idissuern | No transformation. 3 separate fields. |
| Parent Organization TIN | $9 | orgsubtin | No transformation. |
| T3 Region | $2 | t3\_reg |  |
| T17 Region | $2 | TBD |  |
| Assigned DMIS ID T17 Region | $2 | TBD |  |
| Assigned DMIS ID T3 Region | $2 | TBD |  |

1. Appended Fields: The M2 has many data fields that are viewed in the M2 either by joining to another table, or through data element additions made during loading of the data. When necessary, use the most recently available month and year in order to match records. Table 2 describes these elements and the rules to create them.

**Table 2: Appended/Inferred data elements visible in M2 but not in the data feed from the MDR**

| **M2 Data Element** | **Processing Rule/Comments** |
| --- | --- |
| MTF Service Area | Match NPI Directory data using field prac\_zip, and using the current FY/FM, and where service is O to the Market Table (zip code, FY/FM and service) to retrieve the required data element. If no match found, leave blank. See Market Table specification for more information. |
| PRISM Area ID |
| Catchment Area ID |
| Market Area ID | Match NPI Directory data by prac\_zip, and using the current FY and FM to the Market Table by zip code, FY and FM where the service is O to retrieve the required data element. If no match found, leave blank. See Market Table specification for more information. |
| Prime Service Area |
| Assigned DMIS ID Name | Match NPI Directory by Provider Assignment DMIS ID and current FY to the DMIS ID Index table (DMISID, FY) to retrieve the required data element. If no match found, leave blank. See DMIS ID specification for more information. |
| Assigned DMIS ID Command |
| Assigned DMIS ID DHP Code |
| Assigned DMIS ID T3 Region HIDE |
| Assigned DMIS ID Military Service |
| Assigned DMIS ID MSMA |
| Assigned DMIS ID HSSC Region | HIDE See DMIS ID specification for more information. |
| Assigned Parent DMIS ID | Match NPI Directory by Provider Assignment DMIS ID and current FY to the DMIS ID Index table (DMISID, FY) to retrieve the required data element. If no match found, leave blank. See DMIS ID specification for more information. |
| Assigned Parent DMIS ID Name |
| MTF Service Area Name | Match NPI Directory data by MTF Service Area and current FY to the DMIS ID Index table (DMISID, FY) to retrieve the required data element. If no match found, leave blank. See DMIS ID specification for more information. |
| Catchment Area Name | Match NPI Directory data by Catchment Area ID and current FY to the DMIS ID Index table (DMISID, FY) to retrieve the required data element. If no match found, leave blank. See DMIS ID specification for more information. |
| Catchment Area Command |
| Catchment Area Military Service |
| Catchment Area MSMA |
| HSSC Region | HIDE See DMIS ID specification for more information. |
| T3 Region | Match NPI Directory data by Catchment Area ID and current FY to the DMIS ID Index table (DMISID, FY) to retrieve the required data element. If no match found, leave blank. See DMIS ID specification for more information. |
| PRISM Area Name | Match NPI Directory data by PRISM Area ID and current FY to the DMIS ID Index table (DMISID, FY) to retrieve the required data element. If no match found, leave blank. See DMIS ID specification for more information. |
| PRISM Area Command |
| PRISM Area Military Service |
| PRISM Area MSMA |
| Record Count | Count of rows retrieved in a query |

1. Quality Review

* Record counts should match those contained in the transmittal letter representing each feed
* After applying the update files, the record counts in the M2 NPI Directory table should match the record counts in the MDR CBER NPPES table.
* The first and last 10 records in the files should be visually inspected to ensure proper formatting after loading
* The number of records should always be >0

1. File Location

Reference Tables / NPI Directory /

1. Special Outputs: N/A