**03 October 2022**

NPPES

MHS Data Repository (MDR)

(Version 1.00.05)

Current Specification

**Revision History**

| Version | Date  | Para/Tbl/Fig | Originator | Description of Change |
| --- | --- | --- | --- | --- |
| 1.00.00 | 06/08/2012 | * Initial
 | K. Caney | * Initial version
 |
| 1.00.01 | 09/23/2013 | * Table 1
* Section IX.
 | W. Funk | * Added EDIPN and MTF Match Flag
* Added Service output
 |
| 1.00.02 | 3/4/2014 | * Section IX
 | W. Funk | * Updated Service output section
 |
| 1.00.03 | 3/25/2015 | * Section VII
 | K. Hofmann | * Edited the nature of the merge to the DMHRS File to include only active assignments
 |
| 1.00.04 | 9/15/2017 | * Entire Document
* Section VII
* Table 2
 | K. Hofmann | * Removed references to CBER
* Reorganized external merges section and added merges to OMNI-CAD and DMIS ID
* Added T3 and T17 regions and Assigned DMIS ID T3 and T17 regions
 |
| 1.00.05 | 10/3/2022 | * Section II
* Table 2
* Appendix A
 | N. Bowling | * Updated source link in Section II
* Added Appendix A regarding moving primary taxonomy into first position.
* Referenced fields in Table 2 to Appendix A
 |

# MDR NPPES File

1. Source

CMS

1. Transmission (Format and Frequency)

Data are downloaded on the Xth <tbd> day of each month from the following CMS weblink: <https://download.cms.gov/nppes/NPI_Files.html>

1. Organization and batching

This will represent an all-time file. No batching is required. The NPPES file is stored in /mdr/pub/nppes/nppes.sas7bdat.

1. Receiving Filters

## None.

1. Refresh Frequency

Monthly.

1. Data Marts

None at this time.

1. Field Transformations and Deletions for MDR Core Database

There are several merges required to prepare the MDR NPPES file which are detailed in Table 1.

**Table 1: External Reference File Merges**

| **Merge** | **Date Matching** | **Additional Matching** |
| --- | --- | --- |
| DMHRSi-HR | Processing date for Assigned DMIS ID (see below) | NPI |
| Omni-CAD | CY and CM of processing date | Provider Business Practice Location Address Postal Code (prac\_zip) |
| DMIS ID | FY of processing date | Provider Assignment DMIS ID (assig\_dmisid) |

There are two merges to a summary of the DMHRS HR Basic file from the MDR. The first merge will be against a summary of the DMHRS file and will contain National Provider IDs and EDIPNs (most recently reported) of each person. If the person ever has a valid EDIPN reported in DMHRS, the EDIPN is appended to the NPPES file. For the second merge, only DMHRS records that are still active as of the processing date (the processing date is between the assignment start and end dates) are kept.

If such a record is found, set MTF\_Match=1 and append the Assigned DMIS ID.

If there is no such record, set MTF\_Match=0, and leave the Assigned DMIS ID blank.

The final output for the NPPES SAS Dataset in the MDR is described in Table 2.

**Table 2: Fields in the MDR NPPES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field** | **Type** | **CMS Source Element** | **SAS Name** | **Derivation** |
| National Provider ID | $10 | NPI | npi | No transformation. (Match key with NPPES and DMHRS |
| **Fields from the match to the DMHRS Summary File (based on NPI)** |
| MTF Match Flag | $1 | N/A | mtf\_match | Set to 1 if there is a matching record in the DMHRS summary file (described above) for this NPI. |
| EDI\_PN | $10 | N/A | edipn | EDIPN from DMHRS for this NPI. |
| Provider Assignment DMIS ID | $4 | N/A | assig\_dmisid | Provider assigned DMIS ID from DMHRS for this NPI. |
| **Fields from the Omni-CAD Merge: Based on Practice ZIP Code** |
| T3 Region | $2 | N/A | t3\_reg | Use practice ZIP code. If no match, leave blank. |
| T2017 Region | $2 | N/A | t17\_reg | Use practice ZIP code. If no match, leave blank. |
| **Fields from the DMIS ID Merge: Based on Assigned DMIS ID** |
| Assigned DMIS ID T3 Region | $2 | N/A | assig\_t3\_reg | Set to the t3reg variable from the DMIS ID Table. |
| Assigned DMIS ID T17 Region | $2 | N/A | assig\_t17\_reg | Set to the t17reg variable from the DMIS ID Table. |
| **Raw fields from the CMS NPPES File** |
| Entity Type Code | $1 | Entity type Code | entity | No transformation. |
| Replacement NPI | $10 | Replacement NPI | rnpi | No transformation. |
| Employer Identification Number (EIN) | $9 | Employer Identification Number | ein | No transformation. |
| Provider Organization Name | $70 | Provider Organization Name | orgname | No transformation. |
| Provider Last Name | $35 | Provider Last Name | lname | No transformation. |
| Provider First Name | $20 | Provider First Name | fname | No transformation. |
| Provider Middle Name | $20 | Provider Middle Name | mname | No transformation. |
| Provider Name Prefix Text | $5 | Provider Name Prefix Text | prefix | No transformation. |
| Provider Name Suffix Text | $5 | Provider Name Suffix Text | suffix | No transformation. |
| Provider Credential Text | $20 | Provider Credential Text | credent | No transformation. |
| Provider Other Organization Name | $70 | Provider Other Organization Name  | orgname2 | No transformation. |
| Provider Other Organization Name Type Code | $1 | Provider Other Organization Name Type Code | orgtype | No transformation. |
| Provider Other Last Name | $35 | Provider Other Last Name | lname2 | No transformation. |
| Provider Other First Name | $20 | Provider Other First Name  | fname2 | No transformation. |
| Provider Other Middle Name | $20 | Provider Other Middle Name | mname2 | No transformation. |
| Provider Other Name Prefix Text  | $5 | Provider Other Name Prefix Text | prefix2 | No transformation. |
| Provider Other Name Suffix Text | $5 | Provider Other Name Suffix Text | suffix2 | No transformation. |
| Provider Other Credential Text  | $20 | Provider Other Credential Text  | credential2 | No transformation. |
| Provider Other Last Name Type Code | $1 | Provider Other Last Name Type Code | lnamecode | No transformation. |
| Provider First Line Business Mailing Address | $55 | Provider First Line Business Mailing Address | mail\_addr1 | No transformation. |
| Provider Second Line Business Mailing Address  | $55 | Provider Second Line Business Mailing Address  | mail\_addr2 | No transformation. |
| Provider Business Mailing Address City Name | $40 | Provider Business Mailing Address City Name | mail\_city | No transformation. |
| Provider Business Mailing Address State Name | $40 | Provider Business Mailing Address State Name | mail\_state | No transformation. |
| Provider Business Mailing Address Postal Code | $20 | Provider Business Mailing Address Postal Code | mail\_zip | No transformation. |
| Provider Business Mailing Address Country Code (If outside U.S.) | $2 | Provider Business Mailing Address Country Code (If outside U.S.) | mail\_country | No transformation. |
| Provider Business Mailing Address Telephone Number | $20 | Provider Business Mailing Address Telephone Number | mail\_phone | No transformation. |
| Provider Business Mailing Address Fax Number | $20 | Provider Business Mailing Address Fax Number | mail\_fax | No transformation. |
| Provider First Line Business Practice Location Address | $55 | Provider First Line Business Practice Location Address | prac\_addr1 | No transformation. |
| Provider Second Line Business Practice Location Address | $55 | Provider Second Line Business Practice Location Address | prac\_addr2  | No transformation. |
| Provider Business Practice Location Address City Name | $40 | Provider Business Practice Location Address City Name | prac\_city | No transformation. |
| Provider Business Practice Location Address State Name | $40 | Provider Business Practice Location Address State Name | prac\_state | No transformation. |
| Provider Business Practice Location Address Postal Code | $20 | Provider Business Practice Location Address Postal Code | prac\_zip | No transformation. |
| Provider Business Practice Location Address Country Code (If outside U.S.) | $2 | Provider Business Practice Location Address Country Code (If outside U.S.) | prac\_country | No transformation. |
| Provider Business Practice Location Address Telephone Number | $20 | Provider Business Practice Location Address Telephone Number | prac\_phone | No transformation. |
| Provider Business Practice Location Address Fax Number | $20 | Provider Business Practice Location Address Fax Number | prac\_fax | No transformation. |
| Provider Enumeration Date | $10 | Provider Enumeration Date | enum\_date1 | No transformation. |
| Last Update Date | $10 | Last Update Date | last\_updt1 | No transformation. |
| NPI Deactivation Reason Code | $2 | NPI Deactivation Reason Code | deact\_rea | No transformation. |
| NPI Deactivation Date | $10 | NPI Deactivation Date | deac\_date1 | No transformation. |
| NPI Reactivation Date | $10 | NPI Reactivation Date | reac\_date1 | No transformation. |
| Provider Gender Code | $1 | Provider Gender Code | gender | No transformation. |
| Authorized Official Last Name | $35 | Authorized Official Last Name | lname\_ao | No transformation. |
| Authorized Official First Name | $20 | Authorized Official First Name | fname\_ao | No transformation. |
| Authorized Official Middle Name | $20 | Authorized Official Middle Name | mname\_ao | No transformation. |
| Authorized Official Title or Position | $35 | Authorized Official Title or Position | titlepos\_ao | No transformation. |
| Authorized Official Telephone Number | $20 | Authorized Official Telephone Number | phone\_ao | No transformation. |
| Healthcare Provider Taxonomy Code\_n; n=1 to 5 | $10 | Healthcare Provider Taxonomy Code\_n; n=1 to 5 | hipaan | See Appendix A. |
| Provider License Number\_n; n=1 to 5 | $20 | Provider License Number\_n; n= 1 to 5 | licnumn | See Appendix A. |
| Provider License Number State Code\_n; n= 1 to 5 | $2 | Provider License Number State Code\_n; n=1 to 5 | licstaten | See Appendix A. |
| Healthcare Provider Primary Taxonomy Switch\_n; n=1 to 5 | $1 | Healthcare Provider Primary Taxonomy Switch\_n; n= 1 to 5 | hipaasn | See Appendix A. |
| Other Provider Identifier\_n; n=1 to 10 | $20 | Other Provider Identifier\_n; n = 1 to 10 | idn | No transformation. |
| Other Provider Identifier Type Code\_n; n= 1 to 10 | $2 | Other Provider Identifier Type Code\_n; n=1 to 10 | idtypen | No transformation. |
| Other Provider Identifier State\_n; n=1 to 10 | $2 | Other Provider Identifier State\_n; n=1 to 10 | idstaten | No transformation. |
| Other Provider Identifier Issuer\_n; n=1 to 10 | $80 | Other Provider Identifier Issuer\_n; n=1 to 10 | idissuern | No transformation. |
| Is Sole Proprietor | $1 | Is Sole Proprietor | soleprop | No transformation. |
| Is Organization Subpart | $1 | Is Organization Subpart | orgsub | No transformation. |
| Parent Organization LBN | $70 | Parent Organization LBN | orgsubname | No transformation. |
| Parent Organization TIN | $9 | Parent Organization TIN | orgsubtin | No transformation. |
| Authorized Official Name Prefix Text | $5 | Authorized Official Name Prefix Text | prefix\_ao | No transformation. |
| Authorized Official Name Suffix Text | $5 | Authorized Official Name Suffix Text | suffix\_ao | No transformation. |
| Authorized Official Credential Text | $20 | Authorized Official Credential Text | credent\_ao | No transformation. |
| Healthcare Provider Taxonomy Group\_n; n=1 to 5 | $10 | Healthcare Provider Taxonomy Group\_n | hipaagrn | See Appendix A. |

**APPENDIX A: Primary Taxonomy Switch**

When the NPPES values are merged onto other data types, we want the primary taxonomy and all associated fields to be in the first position. Check the taxonomy primary switch – HIPAASn. If it is a Y, then it is the primary taxonomy. (There is only 1 per record.) Move the following fields associated with the primary taxonomy to the first position: HIPAAn, HIPAASn, HIPAAGRn, LICNUMn, and LICSTATEn. The values that were previously in the first position, will be swapped with the nth position where the primary values were previously stored.)

For example, if the third primary switch is yes (HIPAAS3=Y), then swap the third listed taxonomy and related fields with the first listed taxonomy and related fields. (HIPAA1 and HIPAA3, HIPAAS1 and HIPAAS3, etc.)