**18 May 2021**

MHS Genesis Order File

for the

MHS Data Repository (MDR)

(Version 1.00.00)

Current Specification

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Originator** | **Para/Tbl/Fig** | **Description of Change** |
| 1.00.00 | 05/18/2021 | Tracy Comer | * Initial Document
 | * Initial Document
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# MDR Genesis Order File

1. Source:

The source system is the Cerner Millenium. All records are based on records sent from WH\_CLN\_ORDER file. In order to increase the utility of this file, it is merged against other tables from Cerner Millenium [as well as other files on the MDR, as described below in Section VI.]

1. Transmission (Format and Frequency)

TBD

1. Organization and Batching

Source data: The first step in MDR processing is to batch records received from MHS Genesis. Raw data batches are stored in /mdr/genesis/raw according to routine MDR operating procedures.

Output products: SAS datasets containing all order records where the order\_dt\_tm is in a fiscal year. The Order files are stored at /mdr/pub/genesis/orders/fyxx.sas7bdat

1. Receiving Filters

All records were provided with the initial batch of data. Thereafter, new and changed records are sent each week.

1. Update Process

The primary key for the Order table is the ORDER\_SK field. During the extraction of the raw order records, de-duplication of records, or anytime an order key collision occurs between incoming data and existing master data, the processor de-duplicates data by selecting the record with the most recent value of the update date/time (UPDT\_DT\_TM) for any multiple of records with the same primary key. Similar update processes are applied to the other raw data sets.

Once the raw data has been updated, the processor combines them as described here and assigns many other internally-derived variables as described in Table 2.

1. Field Transformations and Deletions for MDR Core Database

This section of this functional specification describes the data merges that are necessary to append fields in the MDR Genesis Order file. Table 1 describes additional files that are used in processing.

| **Merge** | **Date Matching** | **Additional Matching** |
| --- | --- | --- |
| Code Value Outbound Reference |  | health\_system\_source\_id = 18635 and active\_ind = 1 |
| Order Detail |  | order\_skwhere order\_sk not in ('0','') and orderable\_detail\_sk in ('12615','633581','663838','73801613','114199829','23357379','23357394','23357396','23357412','115487725','115487915','291366787','397808379') and health\_system\_id=18635keep the record for an orderable\_detail\_sk for an order\_sk with the most recent updt\_dt\_tm and the highest action\_sequence |
| Order Action |  | order\_skwhere action\_sequence=1 and action\_type\_ref= 'Order' and order\_status\_ref='Completed' |
| Charges File |  | order\_sk |
| Encounter History |  | encounter\_nkTable manipulated to find initial and ending transaction\_dt\_tm for a location record associated with an encounter\_nk |
| MDR Genesis Person File |  | person\_sk |
| MDR Genesis Location File |  | order\_loc\_o=location\_skorder\_loc\_od=location\_skorder\_loc\_ref\_oa=location\_skorder\_loc\_charges=location\_skloc\_code\_enc\_adm=location\_skenc\_loc\_eh=location\_skloc\_code\_enc=location\_sk |
| MDR Genesis Personnel File |  | order\_doc\_prsnl=person\_skorder\_prov\_od=person\_skorder\_prov\_oa=person\_sksuper\_prsnl\_oa=person\_skorder\_prov\_charges=person\_sk |
| MDR GENESIS Encounter File | order\_dt=visit\_dt (merge 1 on encounter file where earliest visit\_dt\_tm records for an encounter is kept (referred to as the Encounter Admission, or enc\_adm file),merge 2 on encounter file with all visit\_dts associated with an encounter\_nk) | encounter\_nk  |

Upon matching to the MDR Genesis Person file, MDR Genesis Personnel file, and MDR Genesis Location file, records that meet the following criteria are deleted:

* Records where the test\_person\_ind is 1 in the MDR Genesis Person File.
* Records with a facility display beginning with “MB “.

Business rules for each of the appended fields are described in the body of the format table in Section VII.

1. File Layout

The MDR Genesis Orders file is stored in a SAS data set. Table 2 provides the file layout and processing rules.

**Table 2 File Layout for MDR Genesis Order File**

| **Field** | **Format** | **SAS Name** | **Source Element** | **Transformation** |
| --- | --- | --- | --- | --- |
| Accession | Char(100) | accession | accession | No transformation |
| Order Activity Type | Char(30) | activity\_type | activity\_type\_ref | Apply format to activity\_type\_ref variable for code set ‘106' |
| Canceled Date and Time- Local Time | E8601DT19.2 | canceled\_dt\_tm | canceled\_dt\_tm | Converted to local date time |
| Canceled Date and Time- UTC | DATETIME19. | canceled\_dt\_tm\_utc | canceled\_dt\_tm | No transformation |
| Order Cancellation Reason | Char(30) | canceled\_reason | canceled\_reason\_ref | Apply format to canceled\_reason\_ref variable for code set ‘1304' |
| Catalog Reference | Char(40) | catalog\_ref | catalog\_ref | No transformation |
| Catalog Type Reference | Char(40) | catalog\_type\_ref | catalog\_type\_ref | No transformation |
| Catalog Type Definition | Char(20) | catalog\_type\_ref2 | catalog\_type\_ref | Apply format to catalog \_type\_ref variable for code set ‘6000' |
| Clinical Display Line | Char(255) | clinical\_display\_line | clinical\_display\_line | No transformation |
| Completed Date and Time-Local Time | E8601DT19. | completed\_dt\_tm | completed\_dt\_tm | Converted to local date time |
| Completed Date and Time-UTC | DATETIME19. | completed\_dt\_tm\_utc | completed\_dt\_tm | No transformation |
| Completed Personnel | Char(100) | completed\_prsnl | completed\_prsnl | No transformation |
| Contributor System | Char(40) | contributor\_system | contributor\_system\_ref | Apply format to contributor\_system\_ref variable for code set ‘89' |
| Contributor System Reference | E8601DT19.2 | contributor\_system\_ref | contributor\_system\_ref | No transformation |
| Department Status Reference | Char(40) | dept\_status\_ref | dept\_status\_ref | No transformation |
| Department Status | Char(20) | dept\_status\_ref2 | dept\_status\_ref | Apply format to dept\_status\_ref variable for code set '14281' |
| Discontinue Date and Time- Local Time | Char(4) | discontinue\_dt\_tm | discontinue\_dt\_tm | Converted to local date time |
| Discontinue Date and Time- UTC | N(8) | discontinue\_dt\_tm\_utc | discontinue\_dt\_tm | No transformation |
| Discontinue Reason | Char(30) | discontinue\_reason | discontinue\_reason\_ref | Apply format to discontinue\_reason\_ref variable for code set ‘1309' |
| Discontinue Reason Reference | Char(40) | discontinue\_reason\_ref | discontinue\_reason\_ref | No transformation |
| Encounter Key | N(8) | encounter\_key | encounter\_key | No transformation |
| Encounter NK | Char(100) | encounter\_nk | encounter\_nk | No transformation |
| Extract Date and Time- UTC | E8601DT19.2 | extract\_dt\_tm\_utc | extract\_dt\_tm\_utc | No transformation |
| Freq Type Flag | N(8) | freq\_type\_flg | freq\_type\_flg | No transformation |
| Group Order SK | Char(100) | group\_order\_sk | group\_order\_sk | No transformation |
| Grouper Flag | N(8) | grouper\_flg | grouper\_flg | No transformation |
| Health System ID | N(8) | health\_system\_id | health\_system\_id | No transformation |
| Last Action Sequence | N(8) | last\_action\_sequence | last\_action\_sequence | No transformation |
| Last Order Status | Char(30) | last\_order\_status\_o | last\_order\_status\_ref | Apply format to last\_order\_status\_ref variable for code set ‘6004' |
| Last Order Status Personnel | Char(100) | last\_order\_status\_prsnl | last\_order\_status\_prsnl | No transformation |
| Last Order Status Reference | Char(40) | last\_order\_status\_ref | last\_order\_status\_ref | No transformation |
| Link Order SK | N(8) | link\_order\_sk | link\_order\_sk | No transformation |
| Ordering Provider from the Orders table | Char(100) | order\_doc\_prsnl | order\_doc\_prsnl | No transformation |
| Order Submitted Date/Time- Local Time | E8601DT19.2 | order\_dt\_tm | order\_dt\_tm, order\_tm\_zn | Converted to local date time. Order\_dt\_tm\_utc reflects the dt tm in the MHS Genesis bulk data extract. |
| Order Submitted Date/Time- UTC | DATETIME19. | order\_dt\_tm\_utc | order\_dt\_tm | No transformation |
| Order PI-EDW Key | N(8) | order\_key | order\_key | No transformation |
| The order location code from the Orders table | Char(40) | order\_loc\_o | patient\_loc | No transformation |
| Order Key | Char(100) | order\_sk | order\_sk | No transformation |
| Orderable Item Display | Char(100) | orderable\_disp | orderable\_disp | No transformation |
| Orderable Mnemonic | Char(255) | orderable\_mnemonic | orderable\_mnemonic | No transformation |
| Parent Order SK | Char(100) | parent\_order\_sk | parent\_order\_sk | No transformation |
| MHS GENESIS Person ID | Char(100) | person\_sk | person\_sk | No transformation |
| Order Priority | Char(30) | priority | priority\_ref | Apply format to priority\_ref variable for code set ‘1304' |
| Requested Start Date/Time- Local Time | E8601DT19.2 | requested\_start\_dt\_tm | requested\_start\_dt\_tm, requested\_start\_tm\_zn | Converted to local date time |
| Requested Start Date/Time- UTC | DATETIME19. | requested\_start\_dt\_tm\_utc | requested\_start\_dt\_tm | No transformation |
| Template Orderable | Char(40) | template\_ordbl | template\_ordbl | No transformation |
| Template Order Key | Char(100) | template\_order\_sk | template\_order\_sk | No transformation |
| Top Parent Orderable | Char(40) | top\_parent\_ordbl | top\_parent\_ordbl | No transformation |
| Top Parent Order Key | Char(100) | top\_parent\_order\_sk | top\_parent\_order\_sk | No transformation |
| Update Date/Time of the Order Record | E8601DT19.2 | updt\_dt\_tm\_utc | updt\_dt\_tm\_utc | No transformation |
| **Fields from MHS Genesis Person File** |
| Date of Birth | DATETIME19. | dob\_r | dob | No transformation |
| EDIPN | Char(10) | edipn | edipn | No transformation |
| Ethnicity | Char(1) | ethnic\_r | ethnic | No transformation |
| First Name | Char(100) | first\_name | first\_name | No transformation |
| Gender | Char(10) | gender\_r | gender | No transformation |
| Interim Person Identifier | Char(10) | ipi | ipi | No transformation |
| Last Name | Char(100) | last\_name | last\_name | No transformation |
| Marital Status | Char(20) | marital\_r | marital | No transformation |
| MRN | Char(40) | mrn | mrn | No transformation |
| Patient Zip Code of record | Char(25) | patzip\_r | zip | No transformation |
| Race | Char(41) | race\_r | race | No transformation |
| SSN | Char(9) | ssn | ssn | No transformation |
| Test Person Flag | N(8) | test\_person\_ind | test\_record\_ind | No transformation |
| **Fields from the MDR Genesis Location File** |
| Active Indicator of location from the Charges table | N(8) | active\_ind\_loc\_charges | active\_ind | Return active\_ind where the order\_loc\_charges=location\_sk |
| Active Indicator of location from the Encounter History table | N(8) | active\_ind\_loc\_eh | active\_ind | Return active\_ind where the enc\_loc\_eh=location\_sk |
| Active Indicator of location from the MHS GENESIS Encounter File | N(8) | active\_ind\_loc\_enc | active\_ind | Return active\_ind where the loc\_code\_enc=location\_sk |
| Active Indicator of the initial admitting location from the MHS GENESIS Encounter File | N(8) | active\_ind\_loc\_enc\_adm | active\_ind | Return active\_ind where the loc\_code\_enc\_adm=location\_sk |
| Active Indicator of location from the Orders table | N(8) | active\_ind\_loc\_o | active\_ind | Return active\_ind where the order\_loc\_o=location\_sk |
| Active Indicator of location from the Order Action table | N(8) | active\_ind\_loc\_oa | active\_ind | Return active\_ind where the order\_loc\_ref\_oa=location\_sk |
| Active Indicator of location from the Order Detail table | N(8) | active\_ind\_loc\_od | active\_ind | Return active\_ind where the order\_loc\_od=location\_sk |
| Active Indicator of location from the suggested final source  | N(8) | active\_ind\_loc\_sugg\_final | active\_ind | Return active\_ind where the order\_loc\_suggested=location\_sk |
| MHS GENESIS Transition Date of location from the Charges table | MMDDYY10. | gen\_begin\_dt\_charges | gen\_begin\_dt | Return gen\_begin\_dt where the order\_loc\_charges=location\_sk |
| MHS GENESIS Transition Date of location from the Encounter History table | MMDDYY10. | gen\_begin\_dt\_eh | gen\_begin\_dt | Return gen\_begin\_dt where the enc\_loc\_eh=location\_sk |
| MHS GENESIS Transition Date of location from the MHS GENESIS Encounter File | MMDDYY10. | gen\_begin\_dt\_enc | gen\_begin\_dt | Return gen\_begin\_dt where the loc\_code\_enc=location\_sk |
| MHS GENESIS Transition Date of admitting location from the MHS GENESIS Encounter File | MMDDYY10. | gen\_begin\_dt\_enc\_adm | gen\_begin\_dt | Return gen\_begin\_dt where the loc\_code\_enc\_adm=location\_sk |
| MHS GENESIS Transition Date of location from the Orders table | MMDDYY10. | gen\_begin\_dt\_o | gen\_begin\_dt | Return gen\_begin\_dt where the order\_loc\_o=location\_sk |
| MHS GENESIS Transition Date of location from the Order Action table | MMDDYY10. | gen\_begin\_dt\_oa | gen\_begin\_dt | Return gen\_begin\_dt where the order\_loc\_ref\_oa=location\_sk |
| MHS GENESIS Transition Date of location from the Order Detail table | MMDDYY10. | gen\_begin\_dt\_od | gen\_begin\_dt | Return gen\_begin\_dt where the order\_loc\_od=location\_sk |
| MHS GENESIS Transition Date of location from the suggested final source | MMDDYY10. | gen\_begin\_dt\_sugg\_final | gen\_begin\_dt | Return gen\_begin\_dt where the order\_loc\_suggested=location\_sk |
| Building display of location from the Charges table | Char(100) | loc\_bldg\_disp\_charges | loc\_building\_disp | Return loc\_building\_disp where the order\_loc\_charges=location\_sk |
| Building display of location from the Encounter History table | Char(100) | loc\_bldg\_disp\_eh | loc\_building\_disp | Return loc\_building\_disp where the enc\_loc\_eh=location\_sk |
| Building display of location from the MHS GENESIS Encounter Episodic File | Char(100) | loc\_bldg\_disp\_enc | loc\_building\_disp | Return loc\_building\_disp where the loc\_code\_enc=location\_sk |
| Building display of the initial admitting location from the MHS GENESIS Encounter File | Char(100) | loc\_bldg\_disp\_enc\_adm | loc\_building\_disp | Return loc\_building\_disp where the loc\_code\_enc\_adm=location\_sk |
| Building display of location from the Orders table | Char(100) | loc\_bldg\_disp\_o | loc\_building\_disp | Return loc\_building\_disp where the order\_loc\_o=location\_sk |
| Building display of location from the Order Action table | Char(100) | loc\_bldg\_disp\_oa | loc\_building\_disp | Return loc\_building\_disp where the order\_loc\_ref\_oa=location\_sk |
| Building display of location from the Order Detail table | Char(100) | loc\_bldg\_disp\_od | loc\_building\_disp | Return loc\_building\_disp where the order\_loc\_od=location\_sk |
| Building display of location from the suggested final source | Char(100) | loc\_bldg\_disp\_sugg\_final | loc\_building\_disp | Return loc\_building\_disp where the order\_loc\_suggested=location\_sk |
| Facility Display of location from the Charges table | Char(100) | loc\_fac\_disp\_charges | loc\_facility\_disp | Return loc\_facility\_disp where the order\_loc\_charges=location\_sk |
| Facility Display of location from the Encounter History table | Char(100) | loc\_fac\_disp\_eh | loc\_facility\_disp | Return loc\_facility\_disp where the enc\_loc\_eh=location\_sk |
| Facility Display of location from the MHS GENESIS Encounter File | Char(100) | loc\_fac\_disp\_enc | loc\_facility\_disp | Return loc\_facility\_disp where the loc\_code\_enc=location\_sk |
| Facility Display of the initial admitting location from the MHS GENESIS Encounter File | Char(100) | loc\_fac\_disp\_enc\_adm | loc\_facility\_disp | Return loc\_facility\_disp where the loc\_code\_enc\_adm=location\_sk |
| Facility Display of location from the Orders table | Char(100) | loc\_fac\_disp\_o | loc\_facility\_disp | Return loc\_facility\_disp where the order\_loc\_o=location\_sk |
| Facility Display of location from the Order Action table | Char(100) | loc\_fac\_disp\_oa | loc\_facility\_disp | Return loc\_facility\_disp where the order\_loc\_ref\_oa=location\_sk |
| Facility Display of location from the Order Detail table | Char(100) | loc\_fac\_disp\_od | loc\_facility\_disp | Return loc\_facility\_disp where the order\_loc\_od=location\_sk |
| The facility display of the ordering location as per the suggested final source | Char(100) | loc\_fac\_display\_sugg\_final | loc\_facility\_disp | Return loc\_facility\_disp where the order\_loc\_suggested=location\_sk |
| MEPRS code of location from the Charges table | Char(40) | meprs\_cd\_charges | meprs\_cd | Return meprs\_cd where the order\_loc\_charges=location\_sk |
| MEPRS code of location from the Encounter History table | Char(4) | meprs\_cd\_eh | meprs\_cd | Return meprs\_cd where the enc\_loc\_eh=location\_sk |
| MEPRS code of location from the MHS GENESIS Encounter File | Char(4) | meprs\_cd\_enc | meprs\_cd | Return meprs\_cd where the loc\_code\_enc=location\_sk |
| MEPRS code of the initial admitting location from the MHS GENESIS Encounter File | Char(4) | meprs\_cd\_enc\_adm | meprs\_cd | Return meprs\_cd where the loc\_code\_enc\_adm=location\_sk |
| MEPRS code of location from the Orders table | Char(4) | meprs\_cd\_o | meprs\_cd | Return meprs\_cd where the order\_loc\_o=location\_sk |
| MEPRS code of location from the Order Action table | Char(4) | meprs\_cd\_oa | meprs\_cd | Return meprs\_cd where the order\_loc\_ref\_oa=location\_sk |
| MEPRS code of location from the Order Detail table | Char(4) | meprs\_cd\_od | meprs\_cd | Return meprs\_cd where the order\_loc\_od=location\_sk |
| MEPRS code of location from the suggested final source | Char(4) | meprs\_cd\_sugg\_final | meprs\_cd | Return meprs\_cd where the order\_loc\_suggested=location\_sk |
| MTF of location from the Charges table | Char(4) | mtf\_charges | mtf | Return mtf where the order\_loc\_charges=location\_sk |
| MTF of location from the Encounter History table | Char(4) | mtf\_eh | mtf | Return mtf where the enc\_loc\_eh=location\_sk |
| MTF of location from the MHS GENESIS Encounter File | Char(4) | mtf\_enc | mtf | Return mtf where the loc\_code\_enc=location\_sk |
| MTF of the initial admitting location from the MHS GENESIS Encounter File | Char(4) | mtf\_enc\_adm | mtf | Return mtf where the loc\_code\_enc\_adm=location\_sk |
| MTF of location from the Orders table | Char(4) | mtf\_o | mtf | Return mtf where the order\_loc\_o=location\_sk |
| MTF of location from the Order Action table | Char(4) | mtf\_oa | mtf | Return mtf where the order\_loc\_ref\_oa=location\_sk |
| MTF of location from the Order Detail table | Char(4) | mtf\_od | mtf | Return mtf where the order\_loc\_od=location\_sk |
| Parent MTF of location from the Charges table | Char(4) | mtf\_parent\_charges | mtf\_parent | Return mtf\_parent where the order\_loc\_charges=location\_sk |
| Parent MTF of location from the Encounter History table | Char(4) | mtf\_parent\_eh | mtf\_parent | Return mtf\_parent where the enc\_loc\_eh=location\_sk |
| Parent MTF of location from the MHS GENESIS Encounter File | Char(4) | mtf\_parent\_enc | mtf\_parent | Return mtf\_parent where the loc\_code\_enc=location\_sk |
| Parent MTF of the initial admitting location from the MHS GENESIS Encounter File | Char(4) | mtf\_parent\_enc\_adm | mtf\_parent | Return mtf\_parent where the loc\_code\_enc\_adm=location\_sk |
| Parent MTF of location from the Orders table | Char(4) | mtf\_parent\_o | mtf\_parent | Return mtf\_parent where the order\_loc\_o=location\_sk |
| Parent MTF of location from the Order Action table | Char(4) | mtf\_parent\_oa | mtf\_parent | Return mtf\_parent where the order\_loc\_ref\_oa=location\_sk |
| Parent MTF of location from the Order Detail table | Char(4) | mtf\_parent\_od | mtf\_parent | Return mtf\_parent where the order\_loc\_od=location\_sk |
| Parent MTF of location from the final suggested source table | Char(4) | mtf\_parent\_sugg\_final | mtf\_parent | Return mtf\_parent where the order\_loc\_suggested=location\_sk |
| MTF of location from the final suggested source table | Char(4) | mtf\_sugg\_final | mtf | Return mtf where the order\_loc\_suggested=location\_sk |
| Test Location Indicator of location from the Charges table | N(8) | test\_loc\_flag\_charges | test\_location\_flag | Return test\_location\_flag where the order\_loc\_charges=location\_sk |
| Test Location Indicator of location from the Encounter History table | N(8) | test\_loc\_flag\_eh | test\_location\_flag | Return test\_location\_flag where the enc\_loc\_eh=location\_sk |
| Test Location Indicator of location from the MHS GENESIS Encounter File | N(8) | test\_loc\_flag\_enc | test\_location\_flag | Return test\_location\_flag where the loc\_code\_enc=location\_sk |
| Test Location Indicator of the initial admitting location from the MHS GENESIS Encounter File | N(8) | test\_loc\_flag\_enc\_adm | test\_location\_flag | Return test\_location\_flag where the loc\_code\_enc\_adm=location\_sk |
| Test Location Indicator of location from the Order Action table | N(8) | test\_loc\_flag\_oa | test\_location\_flag | Return test\_location\_flag where the order\_loc\_ref\_oa=location\_sk |
| Test Location Indicator of location from the Order Detail table | N(8) | test\_loc\_flag\_od | test\_location\_flag | Return test\_location\_flag where the order\_loc\_od=location\_sk |
| Test Location Indicator of location from the final suggested table | N(8) | test\_loc\_flag\_sugg\_final | test\_location\_flag | Return test\_location\_flag where the order\_loc\_suggested=location\_sk |
| Test Location Indicator of location from the Orders table | N(8) | test\_location\_flag | test\_location\_flag | Return test\_location\_flag where the order\_loc\_o=location\_sk |
| Unit Display of location from the Charges table | Char(45) | unit\_display\_charges | unit\_display | Return unit\_display where the order\_loc\_charges=location\_sk |
| Unit Display of location from the Encounter History table | Char(45) | unit\_display\_eh | unit\_display | Return unit\_display where the enc\_loc\_eh=location\_sk |
| Unit Display of location from the MHS GENESIS Encounter File | Char(45) | unit\_display\_enc | unit\_display | Return unit\_display where the loc\_code\_enc=location\_sk |
| Unit Display of the initial admitting location from the MHS GENESIS Encounter File | Char(45) | unit\_display\_enc\_adm | unit\_display | Return unit\_display where the loc\_code\_enc\_adm=location\_sk |
| Unit Display of location from the Orders table | Char(45) | unit\_display\_o | unit\_display | Return unit\_display where the order\_loc\_o=location\_sk |
| Unit Display of location from the Order Action table | Char(45) | unit\_display\_oa | unit\_display | Return unit\_display where the order\_loc\_ref\_oa=location\_sk |
| Unit Display of location from the Order Detail table | Char(45) | unit\_display\_od | unit\_display | Return unit\_display where the order\_loc\_od=location\_sk |
| Unit Display of location from the final suggested table | Char(45) | unit\_display\_sugg\_final | unit\_display | Return unit\_display where the order\_loc\_suggested=location\_sk |
| Unit Description of location from the Charges table | Char(100) | unit\_name\_charges | unit\_name | Return unit\_name where the order\_loc\_charges=location\_sk |
| Unit Description of location from the Encounter History table | Char(100) | unit\_name\_eh | unit\_name | Return unit\_name where the enc\_loc\_eh=location\_sk |
| Unit Description of location from the MHS GENESIS Encounter File | Char(100) | unit\_name\_enc | unit\_name | Return unit\_name where the loc\_code\_enc=location\_sk |
| Unit Description of the initial admitting location from the MHS GENESIS Encounter File | Char(100) | unit\_name\_enc\_adm | unit\_name | Return unit\_name where the loc\_code\_enc\_adm=location\_sk |
| Unit Description of location from the Orders table | Char(100) | unit\_name\_o | unit\_name | Return unit\_name where the order\_loc\_o=location\_sk |
| Unit Description of location from the Order Action table | Char(100) | unit\_name\_oa | unit\_name | Return unit\_name where the order\_loc\_ref\_oa=location\_sk |
| Unit Description of location from the Order Detail table | Char(100) | unit\_name\_od | unit\_name | Return unit\_name where the order\_loc\_od=location\_sk |
| Unit Description of location from the final suggested table | Char(100) | unit\_name\_sugg\_final | unit\_name | Return unit\_name where the order\_loc\_suggested=location\_sk |
| **Fields from the MDR Genesis Personnel File** |
| HIPAA Taxonomy Codes for Ordering Provider as per the Order table | Char(10) | order\_prov\_hipaax | hipaa1-hipaa5 | Return hipaa1-hipaa5 where order\_doc\_prsnl=person\_sk |
| HIPAA Taxonomy Codes for the Provider on the Charges table | Char(10) | order\_prov\_hipaax\_chg | hipaa1-hipaa5 | Return hipaa1-hipaa5 where order\_prov\_charges=person\_sk |
| HIPAA Taxonomy Codes for the Provider on the Encounter Admission table | Char(10) | order\_prov\_hipaax\_enc\_adm | hipaa1-hipaa5 | Return hipaa1-hipaa5 where prov\_enc\_adm=person\_sk |
| HIPAA Taxonomy Codes for the Provider on the Order Action table | Char(10) | order\_prov\_hipaax\_oa | hipaa1-hipaa5 | Return hipaa1-hipaa5 where order\_prov\_oa=person\_sk |
| HIPAA Taxonomy Codes for the Suggested Final Provider | Char(10) | order\_prov\_hipaax\_sugg\_final | hipaa1-hipaa5 | Return hipaa1-hipaa5 where order\_prov\_suggested=person\_sk |
| HIPAA Taxonomy Codes for the Supervising Provider on the Order Action table | Char(10) | order\_prov\_hipaax\_supv\_oa | hipaa1-hipaa5 | Return hipaa1-hipaa5 where super\_prsnl\_oa=person\_sk |
| Primary Provider Name for the Order from the Charges table | Char(100) | order\_prov\_name\_chg | full\_name | Return full\_name where order\_prov\_charges=person\_sk |
| Primary Provider Name for the Encounter Associated with the Order | Char(100) | order\_prov\_name\_enc\_adm | full\_name | Return full\_name where prov\_enc\_adm=person\_sk |
| Ordering Provider Name as per the Order table | Char(100) | order\_prov\_name\_o | full\_name | Return full\_name where order\_doc\_prsnl=person\_sk |
| Provider Name on the Initial Order Action in the Order Action table | Char(100) | order\_prov\_name\_oa | full\_name | Return full\_name where order\_prov\_oa=person\_sk |
| Provider Name on the Order Detail table | Char(100) | order\_prov\_name\_od | full\_name | Return full\_name where order\_prov\_od=person\_sk |
| Provider Name on the final suggested source table | Char(100) | order\_prov\_name\_sugg\_final | full\_name | Return full\_name where order\_prov\_suggested=person\_sk |
| Supervising Provider Name on the Initial Order Action in the Order Action table | Char(100) | order\_prov\_name\_supv\_oa | full\_name | Return full\_name where super\_prsnl\_oa=person\_sk |
| Provider Flag of the Ordering Provider as per the Charges table | N(8) | phys\_ind\_charges | physician\_ind | Return physician\_ind where order\_prov\_charges=person\_sk |
| Provider Flag of the Primary Provider for the encounter associated with the order | N(8) | phys\_ind\_enc\_adm | physician\_ind | Return physician\_ind where prov\_enc\_adm=person\_sk |
| Provider Flag of the Ordering Provider as per the Order table | N(8) | phys\_ind\_o | physician\_ind | Return physician\_ind where order\_doc\_prsnl=person\_sk |
| Provider Flag of the Initial Order Action personnel in the Order Action table | N(8) | phys\_ind\_oa | physician\_ind | Return physician\_ind where order\_prov\_oa=person\_sk |
| Provider Flag of the Ordering Provider as per the Order Detail table | N(8) | phys\_ind\_od | physician\_ind | Return physician\_ind where order\_prov\_od=person\_sk |
| Provider Flag of the Suggested Ordering Provider | N(8) | phys\_ind\_sugg\_final | physician\_ind | Return physician\_ind where order\_prov\_suggested=person\_sk |
| Provider Flag of the Supervising Provider on the Initial Order Action in the Order Action table | N(8) | phys\_ind\_supv\_oa | physician\_ind | Return physician\_ind where super\_prsnl\_oa=person\_sk |
| Assigned DMIS ID of the Ordering Provider as per the Charges table | Char(4) | prov\_assig\_dmisid\_chg | assig\_dmisid | Return assig\_dmisid where order\_prov\_charges=person\_sk |
| Assigned DMIS ID of the Primary Provider for the encounter associated with the order | Char(4) | prov\_assig\_dmisid\_enc\_adm | assig\_dmisid | Return assig\_dmisid where prov\_enc\_adm=person\_sk |
| Assigned DMIS ID of the Ordering Provider as per the Order table | Char(4) | prov\_assig\_dmisid\_o | assig\_dmisid | Return assig\_dmisid where order\_doc\_prsnl=person\_sk |
| Assigned DMIS ID of the Initial Order Action personnel in the Order Action table | Char(4) | prov\_assig\_dmisid\_oa | assig\_dmisid | Return assig\_dmisid where order\_prov\_oa=person\_sk |
| Assigned DMIS ID of the Ordering Provider as per the Order Detail table | Char(4) | prov\_assig\_dmisid\_od | assig\_dmisid | Return assig\_dmisid where order\_prov\_od=person\_sk |
| Assigned DMIS ID of the Ordering Provider using the suggested provider hierarchy | Char(4) | prov\_assig\_dmisid\_sugg\_final | assig\_dmisid | Return assig\_dmisid where order\_prov\_suggested=person\_sk |
| Assigned DMIS ID of the Initial Order Action supervisory personnel in the Order Action table | Char(4) | prov\_assig\_dmisid\_supv\_oa | assig\_dmisid | Return assig\_dmisid where super\_prsnl\_oa=person\_sk |
| EDIPN of the Ordering Provider as per the Charges table | Char(10) | prov\_edipn\_chg | prsnl\_edipn | Return prsnl\_edipn where order\_prov\_charges=person\_sk |
| EDIPN of the Primary Provider for the encounter associated with the order | Char(10) | prov\_edipn\_enc\_adm | prsnl\_edipn | Return prsnl\_edipn where prov\_enc\_adm=person\_sk |
| EDIPN of the Ordering Provider as per the Order table | Char(10) | prov\_edipn\_o | prsnl\_edipn | Return prsnl\_edipn where order\_doc\_prsnl=person\_sk |
| EDIPN of the Initial Order Action personnel in the Order Action table | Char(10) | prov\_edipn\_oa | prsnl\_edipn | Return prsnl\_edipn where order\_prov\_oa=person\_sk |
| EDIPN of the Ordering Provider as per the Order Detail table | Char(10) | prov\_edipn\_od | prsnl\_edipn | Return prsnl\_edipn where order\_prov\_od=person\_sk |
| EDIPN of the Ordering Provider as per the final suggested table | Char(10) | prov\_edipn\_sugg\_final | prsnl\_edipn | Return prsnl\_edipn where order\_prov\_suggested=person\_sk |
| EDIPN of the Supervising Provider on the Initial Order Action in the Order Action table | Char(10) | prov\_edipn\_supv\_oa | prsnl\_edipn | Return prsnl\_edipn where super\_prsnl\_oa=person\_sk |
| NPI of the Ordering Provider as per the Charges table | Char(100) | prov\_npi\_chg | npi | Return npi where order\_prov\_charges=person\_sk |
| NPI of the Primary Provider for the encounter associated with the order | Char(100) | prov\_npi\_enc\_adm | npi | Return npi where prov\_enc\_adm=person\_sk |
| NPI of the Ordering Provider as per the Order table | Char(100) | prov\_npi\_o | npi | Return npi where order\_doc\_prsnl=person\_sk |
| NPI of the Initial Order Action personnel in the Order Action table | Char(100) | prov\_npi\_oa | npi | Return npi where order\_prov\_oa=person\_sk |
| NPI of the Ordering Provider as per the Order Detail table | Char(100) | prov\_npi\_od | npi | Return npi where order\_prov\_od=person\_sk |
| NPI of the Ordering Provider as per the suggested final table | Char(100) | prov\_npi\_sugg\_final | npi | Return npi where order\_prov\_suggested=person\_sk |
| NPI of the Supervising Provider on the Initial Order Action in the Order Action table | Char(100) | prov\_npi\_supv\_oa | npi | Return npi where super\_prsnl\_oa=person\_sk |
| People Group Assignment of the Ordering Provider as per the Charges table | Char(4) | prov\_pg\_dmisid\_chg | pg\_dmisid | Return pg\_dmisid where order\_prov\_charges=person\_sk |
| People Group Assignment of the Primary Provider for the encounter associated with the order | Char(4) | prov\_pg\_dmisid\_enc\_adm | pg\_dmisid | Return pg\_dmisid where prov\_enc\_adm=person\_sk |
| People Group Assignment of the Ordering Provider as per the Order table | Char(4) | prov\_pg\_dmisid\_o | pg\_dmisid | Return pg\_dmisid where order\_doc\_prsnl=person\_sk |
| People Group Assignment of the Initial Order Action personnel in the Order Action table | Char(4) | prov\_pg\_dmisid\_oa | pg\_dmisid | Return pg\_dmisid where order\_prov\_oa=person\_sk |
| People Group Assignment of the Ordering Provider as per the Order Detail table | Char(4) | prov\_pg\_dmisid\_od | pg\_dmisid | Return pg\_dmisid where order\_prov\_od=person\_sk |
| People Group Assignment of the Ordering Provider as per the final suggested table | Char(4) | prov\_pg\_dmisid\_sugg\_final | pg\_dmisid | Return pg\_dmisid where order\_prov\_suggested=person\_sk |
| People Group Assignment of the Supervising Provider on the Initial Order Action in the Order Action table | Char(4) | prov\_pg\_dmisid\_supv\_oa | pg\_dmisid | Return pg\_dmisid where super\_prsnl\_oa=person\_sk |
| Skill Type of the Ordering Provider as per the Charges table | Char(1) | prov\_skill\_type\_chg | skill\_type | Return skill\_type where order\_prov\_charges=person\_sk |
| Skill Type of the Primary Provider for the encounter associated with the order | Char(1) | prov\_st\_enc\_adm | skill\_type | Return skill\_type where prov\_enc\_adm=person\_sk |
| Skill Type of the Ordering Provider as per the Order table | Char(1) | prov\_st\_o | skill\_type | Return skill\_type where order\_doc\_prsnl=person\_sk |
| Skill Type of the Initial Order Action personnel in the Order Action table | Char(1) | prov\_st\_oa | skill\_type | Return skill\_type where order\_prov\_oa=person\_sk |
| Skill Type of the order personnel as per the Order Detail table | Char(1) | prov\_st\_od | skill\_type | Return skill\_type where order\_prov\_od=person\_sk |
| Skill Type of the Ordering Provider as per the final suggested table | Char(1) | prov\_st\_sugg\_final | skill\_type | Return skill\_type where order\_prov\_suggested=person\_sk |
| Skill Type of the Supervising Provider on the Initial Order Action in the Order Action table | Char(1) | prov\_st\_supv\_oa | skill\_type | Return skill\_type where super\_prsnl\_oa=person\_sk |
| Skill Type Suffix of the Primary Provider for the ordering provider form the Charges table | Char(1) | prov\_stsuff\_chg | skill\_type\_suffix | Return skill\_type\_suffix where order\_prov\_charges=person\_sk |
| Skill Type Suffix of the Primary Provider for the encounter associated with the order | Char(1) | prov\_stsuff\_enc\_adm | skill\_type\_suffix | Return skill\_type\_suffix where prov\_enc\_adm=person\_sk |
| Skill Type Suffix of the Ordering Provider as per the Order table | Char(1) | prov\_stsuff\_o | skill\_type\_suffix | Return skill\_type\_suffix where order\_doc\_prsnl=person\_sk |
| Skill Type Suffix of the Initial Order Action personnel in the Order Action table | Char(1) | prov\_stsuff\_oa | skill\_type\_suffix | Return skill\_type\_suffix where order\_prov\_oa=person\_sk |
| Skill Type Suffix of the Primary Provider for the ordering provider form the Order Detail table | Char(1) | prov\_stsuff\_od | skill\_type\_suffix | Return skill\_type\_suffix where order\_prov\_od=person\_sk |
| Skill Type Suffix of the Primary Provider for the ordering provider form the final suggested table | Char(1) | prov\_stsuff\_sugg\_final | skill\_type\_suffix | Return skill\_type\_suffix where order\_prov\_suggested=person\_sk |
| Skill Type Suffix of the Supervising Provider on the Initial Order Action in the Order Action table | Char(1) | prov\_stsuff\_supv\_oa | skill\_type\_suffix | Return skill\_type\_suffix where super\_prsnl\_oa=person\_sk |
| Test Provider Flag of the Ordering Provider as per the Charges table | Char(1) | test\_prov\_ind\_chg | test\_record\_ind | Return test\_record\_ind where order\_prov\_charges=person\_sk |
| Test Provider Flag of the Primary Provider for the encounter associated with the order | #N/A | test\_prov\_ind\_enc\_adm | test\_record\_ind | Return test\_record\_ind where prov\_enc\_adm=person\_sk |
| Test Provider Flag of the Ordering Provider as per the Order table | Char(1) | test\_prov\_ind\_o | test\_record\_ind | Return test\_record\_ind where order\_doc\_prsnl=person\_sk |
| Test Provider Flag of the Initial Order Action personnel in the Order Action table | Char(1) | test\_prov\_ind\_oa | test\_record\_ind | Return test\_record\_ind where order\_prov\_oa=person\_sk |
| Test Provider Flag of the Ordering Provider as per the Order Detail table | Char(1) | test\_prov\_ind\_od | test\_record\_ind | Return test\_record\_ind where order\_prov\_od=person\_sk |
| Test Provider Flag of the Ordering Provider as per the final suggested table | Char(1) | test\_prov\_ind\_sugg\_final | test\_record\_ind | Return test\_record\_ind where order\_prov\_suggested=person\_sk |
| Test Provider Flag of the Supervising Provider on the Initial Order Action in the Order Action table | Char(1) | test\_prov\_ind\_supv\_oa | test\_record\_ind | Return test\_record\_ind where super\_prsnl\_oa=person\_sk |
| **Fields from the MDR Encounter- Initial Admission File** |
| Admitting Encounter Type from the MHS GENESIS Encounter file | Char(22) | enc\_type\_enc\_adm | encounter\_type | No transformation |
| Medical service of the initial record from the MHS Encounter file | Char(40) | med\_svc\_enc\_adm | medical\_svc | No transformation |
| Admitting location from the encounter file | Char(40) | loc\_code\_enc\_adm | encounter\_loc\_code | No transformation |
| Ordering Provider from the initial admission on the Encounter table | Char(100) | prov\_enc\_adm | provid1 | No transformation |
| **Fields from the MDR Encounter File** |
| Encounter Type from the MHS GENESIS Encounter file | Char(22) | enc\_type\_enc | encounter\_type | No transformation |
| Medical service from the MHS GENESIS Encounter file | Char(40) | med\_svc\_enc | medical\_svc | No transformation |
| Location code from the encounter file | Char(40) | loc\_code\_enc | encounter\_loc\_code | No transformation |
| **Fields from the Order Detail File** |
| Ordering Provider from the Order Detail table | Char(40) | order\_prov\_od | order\_detail\_value | Populate with order\_detail\_value where order\_sk not in (‘0’,’’) and orderable\_detail\_sk in ('633581','663838','73801613') |
| Order Reason | Char(255) | order\_reason | order\_detail\_freetext\_value | Populate with order\_detail\_freetext\_value where order\_sk not in ('0','') and orderable\_detail\_sk in ('114199829','23357379','23357394','23357396','23357412','115487725','115487915','291366787','397808379') |
| The order location code from the Order Detail table | Char(40) | order\_loc\_od | order\_detail\_value | Populate with order\_detail\_value where order\_sk not in ('0','') and orderable\_detail\_sk in ('12615') |
| **Fields from the Order Action File** |
| Ordering Provider from the initial Order Action on the Order Action table | Char(100) | order\_prov\_oa | order\_provider\_prsnl | No transformation |
| Ordering Supervisory Provider from the initial Order Action on the Order Action table | Char(100) | super\_prsnl\_oa | supervising\_prsnl | No transformation |
| MHS GENESIS unique identifier for the initial Order Action location as per the Order Action table | Char(40) | order\_loc\_ref\_oa | order\_loc\_ref | No transformation |
| **Fields from the Charges File** |
| Ordering Provider from the Charges table | Char(100) | order\_prov\_charges | order\_prsnl, verified\_physician\_prsnl, poster\_prsnl | If order\_prsnl is not blank or '0', then fill with order\_prsnl.Else if verified\_physician\_prsnl is not blank or '0', then fill with verified\_physician\_prsnl.Else fill with poster\_prsnl. |
| The order location code from the Charges table | Char(40) | order\_loc\_charges | order\_loc | No transformation |
| **Fields from the Encounter History File** |
| Encounter Type from the Encounter History table | Char(40) | encounter\_type\_eh | encntr\_type\_ref | Apply format to encntr\_type\_ref variable for code set ‘71' |
| Encounter Type Class from the Encounter History table | Char(40) | enc\_type\_class\_eh | encntr\_type\_class\_ref | Apply format to encntr\_type\_class\_ref variable for code set ‘69' |
| Encounter Location from the Encounter History table | Char(40) | enc\_loc\_eh | encounter\_loc | No transformation |
| Admission type associated with the encounter at the time of the order | Char(40) | admit\_type\_eh | admit\_type\_ref | Apply format to admit\_type\_ref variable for code set ‘3' |
| Medical service from the Encounter History table | Char(40) | medical\_service\_eh | medical\_service\_ref | Apply format to medical\_service\_ref variable for code set '34' |
| **Internally Derived Fields** |
| Calendar Month | Char(2) | cm | N/A | Calendar month of order date |
| Calendar Year | Char(4) | cy | N/A | Calendar year of order date |
| Fiscal Month | Char(2) | fm | N/A | Fiscal month of order date |
| Fiscal Year | Char(4) | fy | N/A | Fiscal year of order date |
| Order Submitted Date | N(8) | order\_dt | order\_dt\_tm | datepart(order\_dt\_tm) |
| Patient Refusal Date/Time- Local Time | E8601DT19.2 | pt\_refusal\_dt\_tm | N/A | If canceled\_reason\_ref='663921' then pt\_refusal\_dt\_tm=canceled\_dt\_tm\_utc\_local; else if canceled\_reason\_ref not in ('663921') and discontinue\_reason\_ref='663921' thenpt\_refusal\_dt\_tm=discontinue\_dt\_tm\_utc; else pt\_refusal\_dt\_tm set to blank |
| The Suggested Final order location code  | Char(40) | order\_loc\_suggested | N/A | if order\_loc\_o not in ('','0') then order\_loc\_suggested=order\_loc\_o;else if order\_loc\_od not in ('','0') then order\_loc\_suggested=order\_loc\_od;else if order\_loc\_charges not in ('','0') then order\_loc\_suggested=order\_loc\_charges;else if order\_loc\_ref\_oa not in ('','0') then order\_loc\_suggested=order\_loc\_ref\_oa;else if loc\_code\_enc not in ('','0') then order\_loc\_suggested=loc\_code\_enc;else if enc\_loc\_eh not in ('','0') then order\_loc\_suggested=enc\_loc\_eh;else if loc\_code\_enc\_adm not in ('','0') then order\_loc\_suggested=loc\_code\_enc\_adm;else order\_loc\_suggested="blank"; |
| Source for the suggested final order location | Char(12) | order\_loc\_sugg\_src | N/A | if order\_loc\_suggested=order\_loc\_o then order\_loc\_sugg\_src="Order";else if order\_loc\_suggested=order\_loc\_od then order\_loc\_sugg\_src="Order Detail";else if order\_loc\_suggested=order\_loc\_charges then order\_loc\_sugg\_src="Charges";else if order\_loc\_suggested=order\_loc\_ref\_oa then order\_loc\_sugg\_src="Order Action";else if order\_loc\_suggested=loc\_code\_enc then order\_loc\_sugg\_src="Encounter";else if order\_loc\_suggested=enc\_loc\_eh then order\_loc\_sugg\_src="Enc Hist";else if order\_loc\_suggested=loc\_code\_enc\_adm then order\_loc\_sugg\_src="Enc Adm";else order\_loc\_sugg\_src="blank"; |
| Suggested Final Ordering Provider  | Char(100) | order\_prov\_suggested | N/A | if order\_doc\_prsnl not in ('','0') then order\_prov\_suggested=order\_doc\_prsnl;else if order\_prov\_od not in ('','0') then order\_prov\_suggested=order\_prov\_od;else if order\_prov\_charges not in ('','0') then order\_prov\_suggested=order\_prov\_charges;else if order\_prov\_oa not in ('','0') then order\_prov\_suggested=order\_prov\_oa;else if super\_prsnl\_oa not in ('','0') then order\_prov\_suggested=super\_prsnl\_oa;else if prov\_enc\_adm not in ('','0') then order\_prov\_suggested=prov\_enc\_adm;else order\_prov\_suggested="blank"; |
| Source for the suggested final ordering provider | Char(12) | order\_prov\_sugg\_src | N/A | if order\_prov\_suggested=order\_doc\_prsnl then order\_prov\_sugg\_src="Order";else if order\_prov\_suggested=order\_prov\_od then order\_prov\_sugg\_src="Order Detail";else if order\_prov\_suggested=order\_prov\_charges then order\_prov\_sugg\_src="Charges";else if order\_prov\_suggested=order\_prov\_oa then order\_prov\_sugg\_src="Order Action";else if order\_prov\_suggested=super\_prsnl\_oa then order\_prov\_sugg\_src="Order Action";else if order\_prov\_suggested=prov\_enc\_adm then order\_prov\_sugg\_src="Enc Adm";else order\_prov\_sugg\_src="blank" |
| VA Facility Indicator | N(8) | order\_loc\_va\_flag | N/A | if index(loc\_fac\_disp\_charges,"VA") gt 0 then order\_loc\_va\_flag=1;else if index(loc\_fac\_disp\_eh,"VA") gt 0 then order\_loc\_va\_flag=1;else if index(loc\_fac\_disp\_enc,"VA") gt 0 then order\_loc\_va\_flag=1;else if index(loc\_fac\_disp\_o,"VA") gt 0 then order\_loc\_va\_flag=1;else if index(loc\_fac\_disp\_oa,"VA") gt 0 then order\_loc\_va\_flag=1;else if index(loc\_fac\_disp\_od,"VA") gt 0 then order\_loc\_va\_flag=1;else if index(loc\_fac\_disp\_enc\_adm,"VA") gt 0 then order\_loc\_va\_flag=1;else order\_loc\_va\_flag=0; |
| Blank Encounter Identifier Flag | N(8) | enc\_nk\_blnk | N/A | if encounter\_nk in ('','0','18635','018635') then enc\_nk\_blnk=1;else enc\_nk\_blnk=0; |
| DMIS ID based on Accession Number | Char(4) | access\_dmisid | accession | access\_dmisid=substr(accession,2,4); |

1. Refresh Frequency

## Weekly

1. Data Marts

N/A.

1. Special Outputs

N/A