Source Data Mapping Approach

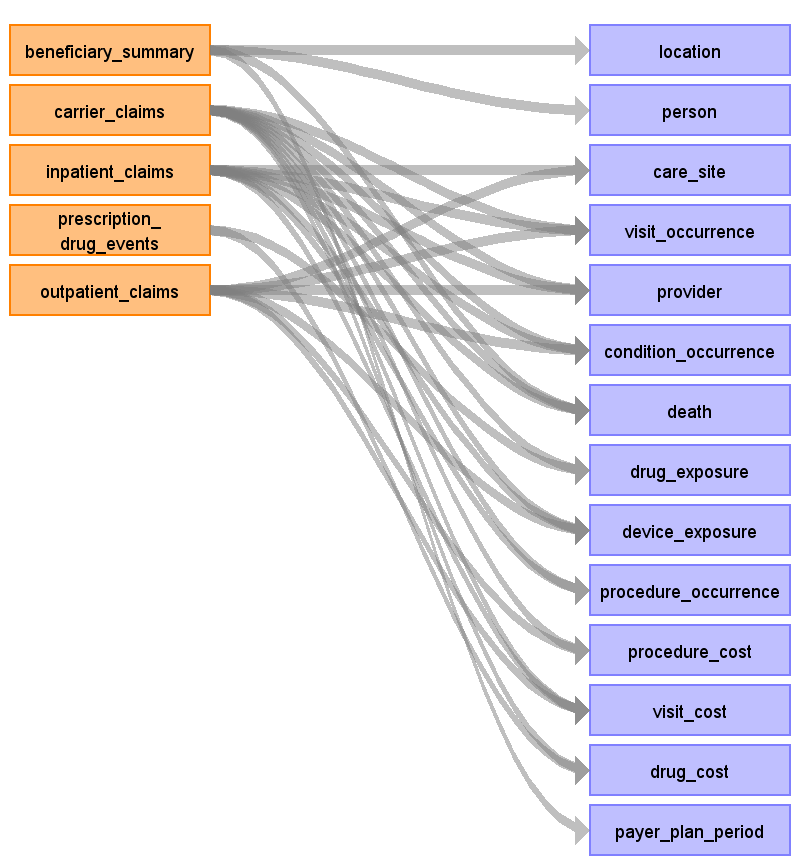
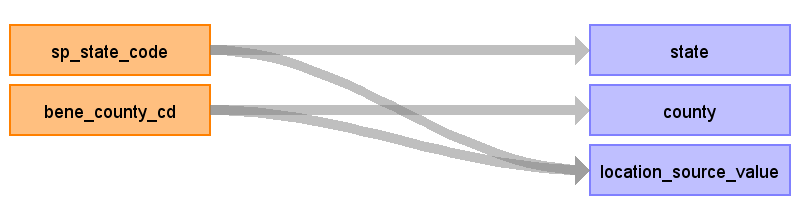


Table name: location

Reading from beneficiary\_summary

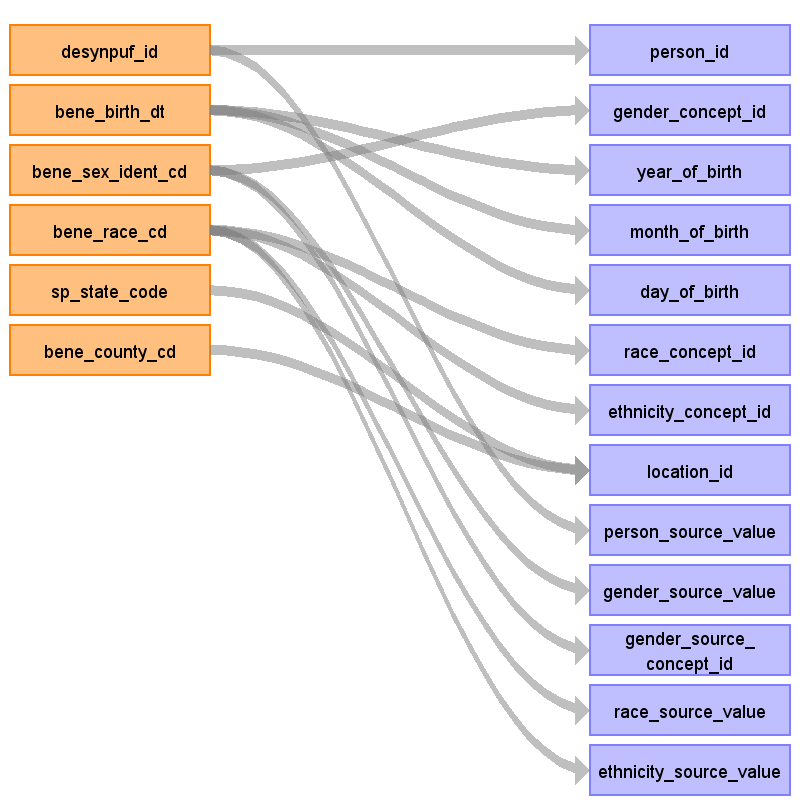
SOURCE\_TO\_CONCEPT\_MAP Entries:
BENE\_RACE\_CD
SP\_STATE\_CD
SSA Codes (http://www.resdac.org/cms-data/variables/County-Code) for COUNTY\_CODE IN BENE\_COUNTY\_CD



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| location\_id |  |  |  |
| address\_1 |  |  |  |
| address\_2 |  |  |  |
| city |  |  |  |
| state | sp\_state\_code |  | The lookup SP\_STATE\_CODE lookup should be found in this document and added to the SOURCE\_TO\_CONCEPT\_MAP: http://www.cms.gov/Research-Statistics-Data-and-Systems/Downloadable-Public-Use-Files/SynPUFs/Downloads/SynPUF\_Codebook.pdf |
| zip |  |  |  |
| county | bene\_county\_cd |  | http://www.cms.gov/Research-Statistics-Data-and-Systems/Downloadable-Public-Use-Files/SynPUFs/Downloads/SynPUF\_Codebook.pdf THIS CODE SPECIFIES THE SSA CODE FOR THE COUNTY OF RESIDENCE OF THE BENEFICIARY. EACH STATE HAS A SERIES OF CODES BEGINNING WITH '000' FOR EACH COUNTY WITHIN THAT STATE. CERTAIN CITIES WITHIN THAT STATE HAVE THEIR OWN CODE. COUNTY CODES MUST BE COMBINED WITH STATE CODES IN ORDER TO LOCATE THE SPECIFIC COUNTY. THE CODING SYSTEM IS THE SSA SYSTEM, NOT THE FEDERAL INFORMATION PROCESSING STANDARD (FIPS). http://www.resdac.org/cms-data/variables/County-Code These will need to be added to the SOURCE\_TO\_CONCEPT\_MAP. |
| location\_source\_value | sp\_state\_code bene\_county\_cd |  |  |

Table name: person

Reading from beneficiary\_summary



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id | desynpuf\_id |  |  |
| gender\_concept\_id | bene\_sex\_ident\_cd | 1 = 8507 2 = 8532 | <<ACTION ITEM>> Mark&Team will double check |
| year\_of\_birth | bene\_birth\_dt | Source is YYYYMMDD |  |
| month\_of\_birth | bene\_birth\_dt | Source is YYYYMMDD |  |
| day\_of\_birth | bene\_birth\_dt | Source is YYYYMMDD | We assume that the day of birth is set to '01' |
| time\_of\_birth |  |  |  |
| race\_concept\_id | bene\_race\_cd | The manual lists the following: 0 = Unknown = 0 1 = White = 8527 2 = Black = 8516 3 = Other = 0 5 = Hispanic = 0 Do not believe these will exist so we may not put them in: 4 = Asian = 8515 6 = North American Native = 38003572 | <<ACTION ITEM>> |
| ethnicity\_concept\_id | bene\_race\_cd | Manual Says These Exists: 0 = Unknown = 0 1 = White = 38003564 2 = Black = 38003564 3 = Other = 0 5 = Hispanic = 38003563 Possible Other Codes, Do Not Believe Exist in Data: 4 = Asian = 38003564 6 = North American Native = 38003564 |  |
| location\_id | sp\_state\_code bene\_county\_cd |  | Lookup based on the source values. |
| provider\_id |  |  | There is not designated provider. |
| care\_site\_id |  |  | There is no designated care site. |
| person\_source\_value | desynpuf\_id |  |  |
| gender\_source\_value | bene\_sex\_ident\_cd |  | Translate into human readable text. |
| gender\_source\_concept\_id | bene\_sex\_ident\_cd |  | <<ACTION ITEM>> We need to know if the source is using a standard, is that in the vocabulary already? |
| race\_source\_value | bene\_race\_cd |  | Put a readable label. |
| race\_source\_concept\_id |  |  |  |
| ethnicity\_source\_value | bene\_race\_cd |  | Put a readable label. |
| ethnicity\_source\_concept\_id |  |  |  |

Table name: observation\_period

Table name: care\_site

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| care\_site\_id |  |  |  |
| care\_site\_name |  |  |  |
| place\_of\_service\_concept\_id |  |  |  |
| location\_id |  |  |  |
| care\_site\_source\_value |  |  |  |
| place\_of\_service\_source\_value |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| care\_site\_id |  |  |  |
| care\_site\_name |  |  |  |
| place\_of\_service\_concept\_id |  |  |  |
| location\_id |  |  |  |
| care\_site\_source\_value |  |  |  |
| place\_of\_service\_source\_value |  |  |  |

Table name: visit\_occurrence

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| visit\_concept\_id |  |  |  |
| visit\_start\_date |  |  |  |
| visit\_start\_time |  |  |  |
| visit\_end\_date |  |  |  |
| visit\_end\_time |  |  |  |
| visit\_type\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| visit\_source\_value |  |  |  |
| visit\_source\_concept\_id |  |  |  |

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| visit\_concept\_id |  |  |  |
| visit\_start\_date |  |  |  |
| visit\_start\_time |  |  |  |
| visit\_end\_date |  |  |  |
| visit\_end\_time |  |  |  |
| visit\_type\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| visit\_source\_value |  |  |  |
| visit\_source\_concept\_id |  |  |  |

Reading from inpatient\_claims

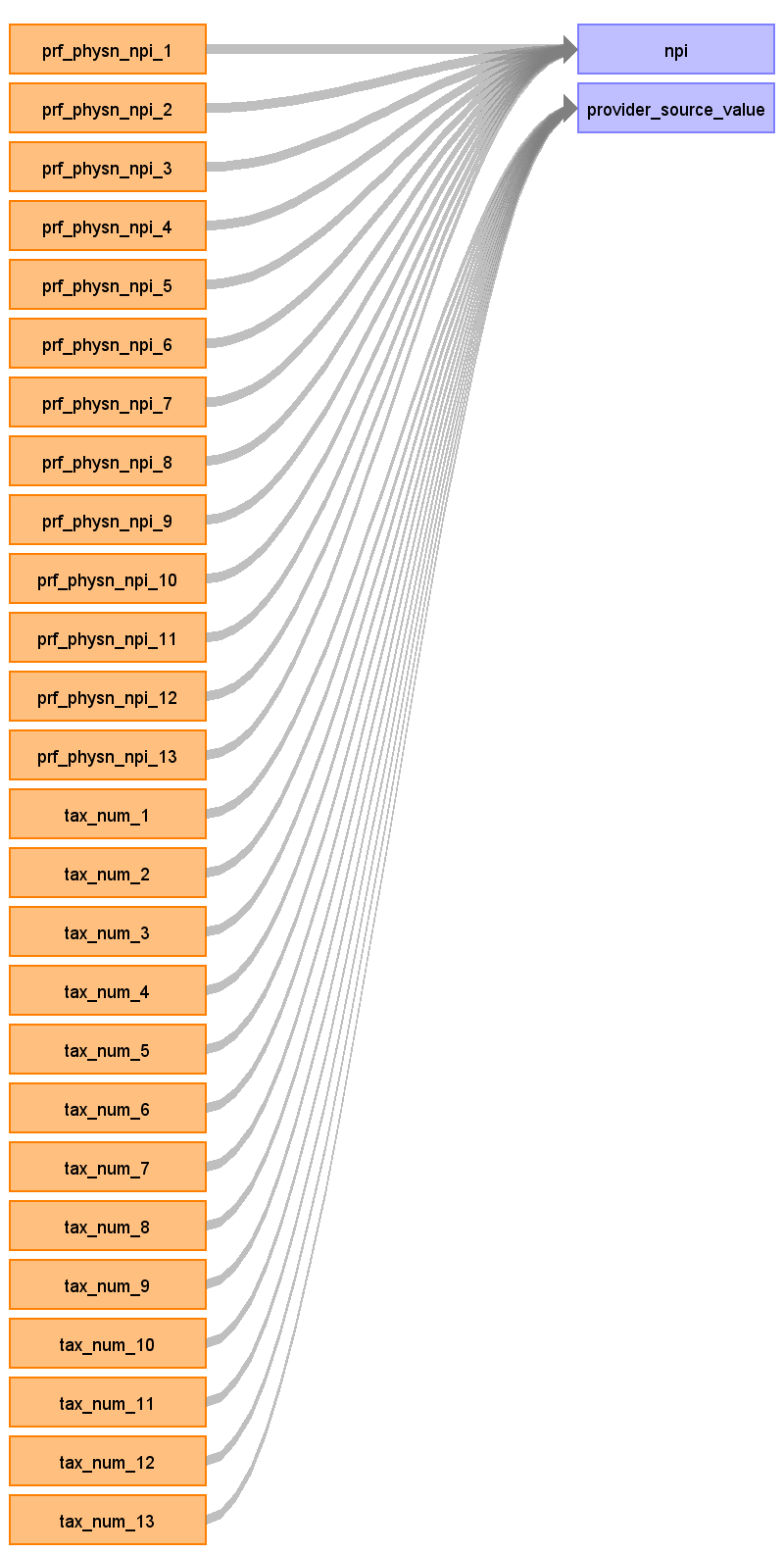
Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| visit\_concept\_id |  |  |  |
| visit\_start\_date |  |  |  |
| visit\_start\_time |  |  |  |
| visit\_end\_date |  |  |  |
| visit\_end\_time |  |  |  |
| visit\_type\_concept\_id |  |  |  |
| provider\_id |  |  |  |
| care\_site\_id |  |  |  |
| visit\_source\_value |  |  |  |
| visit\_source\_concept\_id |  |  |  |

Table name: provider

Reading from carrier\_claims

We are not going to pull in TAX\_IDs right now.



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| provider\_id |  |  | Autogenerated |
| provider\_name |  |  |  |
| npi | prf\_physn\_npi\_1 prf\_physn\_npi\_2 prf\_physn\_npi\_3 prf\_physn\_npi\_4 prf\_physn\_npi\_5 prf\_physn\_npi\_6 prf\_physn\_npi\_7 prf\_physn\_npi\_8 prf\_physn\_npi\_9 prf\_physn\_npi\_10 prf\_physn\_npi\_11 prf\_physn\_npi\_12 prf\_physn\_npi\_13 |  |  |
| dea |  |  |  |
| specialty\_concept\_id |  |  |  |
| care\_site\_id |  |  |  |
| year\_of\_birth |  |  |  |
| gender\_concept\_id |  |  |  |
| provider\_source\_value | tax\_num\_1 tax\_num\_2 tax\_num\_3 tax\_num\_4 tax\_num\_5 tax\_num\_6 tax\_num\_7 tax\_num\_8 tax\_num\_9 tax\_num\_10 tax\_num\_11 tax\_num\_12 tax\_num\_13 |  |  |
| specialty\_source\_value |  |  |  |
| specialty\_source\_concept\_id |  |  |  |
| gender\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| provider\_id |  |  | Autogenerated |
| provider\_name |  |  |  |
| npi |  |  |  |
| dea |  |  |  |
| specialty\_concept\_id |  |  |  |
| care\_site\_id |  |  |  |
| year\_of\_birth |  |  |  |
| gender\_concept\_id |  |  |  |
| provider\_source\_value |  |  |  |
| specialty\_source\_value |  |  |  |
| specialty\_source\_concept\_id |  |  |  |
| gender\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| provider\_id |  |  | Autogenerated |
| provider\_name |  |  |  |
| npi |  |  |  |
| dea |  |  |  |
| specialty\_concept\_id |  |  |  |
| care\_site\_id |  |  |  |
| year\_of\_birth |  |  |  |
| gender\_concept\_id |  |  |  |
| provider\_source\_value |  |  |  |
| specialty\_source\_value |  |  |  |
| specialty\_source\_concept\_id |  |  |  |
| gender\_source\_value |  |  |  |
| gender\_source\_concept\_id |  |  |  |

Table name: condition\_occurrence

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| condition\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| condition\_concept\_id |  |  |  |
| condition\_start\_date |  |  |  |
| condition\_end\_date |  |  |  |
| condition\_type\_concept\_id |  |  |  |
| stop\_reason |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| condition\_source\_value |  |  |  |
| condition\_source\_concept\_id |  |  |  |

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| condition\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| condition\_concept\_id |  |  |  |
| condition\_start\_date |  |  |  |
| condition\_end\_date |  |  |  |
| condition\_type\_concept\_id |  |  |  |
| stop\_reason |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| condition\_source\_value |  |  |  |
| condition\_source\_concept\_id |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| condition\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| condition\_concept\_id |  |  |  |
| condition\_start\_date |  |  |  |
| condition\_end\_date |  |  |  |
| condition\_type\_concept\_id |  |  |  |
| stop\_reason |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| condition\_source\_value |  |  |  |
| condition\_source\_concept\_id |  |  |  |

Table name: death

Reading from beneficiary\_summary

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  |  |
| death\_date |  |  |  |
| death\_type\_concept\_id |  |  |  |
| cause\_concept\_id |  |  |  |
| cause\_source\_value |  |  |  |
| cause\_source\_concept\_id |  |  |  |

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  |  |
| death\_date |  |  |  |
| death\_type\_concept\_id |  |  |  |
| cause\_concept\_id |  |  |  |
| cause\_source\_value |  |  |  |
| cause\_source\_concept\_id |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| person\_id |  |  |  |
| death\_date |  |  |  |
| death\_type\_concept\_id |  |  |  |
| cause\_concept\_id |  |  |  |
| cause\_source\_value |  |  |  |
| cause\_source\_concept\_id |  |  |  |

Table name: drug\_exposure

Reading from prescription\_drug\_events

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_exposure\_id |  |  |  |
| person\_id |  |  |  |
| drug\_concept\_id |  |  |  |
| drug\_exposure\_start\_date |  |  |  |
| drug\_exposure\_end\_date |  |  |  |
| drug\_type\_concept\_id |  |  |  |
| stop\_reason |  |  |  |
| refills |  |  |  |
| quantity |  |  |  |
| days\_supply |  |  |  |
| sig |  |  |  |
| route\_concept\_id |  |  |  |
| effective\_drug\_dose |  |  |  |
| dose\_unit\_concept\_id |  |  |  |
| lot\_number |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| drug\_source\_value |  |  |  |
| drug\_source\_concept\_id |  |  |  |
| route\_source\_value |  |  |  |
| dose\_unit\_source\_value |  |  |  |

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_exposure\_id |  |  |  |
| person\_id |  |  |  |
| drug\_concept\_id |  |  |  |
| drug\_exposure\_start\_date |  |  |  |
| drug\_exposure\_end\_date |  |  |  |
| drug\_type\_concept\_id |  |  |  |
| stop\_reason |  |  |  |
| refills |  |  |  |
| quantity |  |  |  |
| days\_supply |  |  |  |
| sig |  |  |  |
| route\_concept\_id |  |  |  |
| effective\_drug\_dose |  |  |  |
| dose\_unit\_concept\_id |  |  |  |
| lot\_number |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| drug\_source\_value |  |  |  |
| drug\_source\_concept\_id |  |  |  |
| route\_source\_value |  |  |  |
| dose\_unit\_source\_value |  |  |  |

Table name: device\_exposure

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| device\_exposure\_id |  |  |  |
| person\_id |  |  |  |
| device\_concept\_id |  |  |  |
| device\_exposure\_start\_date |  |  |  |
| device\_exposure\_end\_date |  |  |  |
| device\_type\_concept\_id |  |  |  |
| unique\_device\_id |  |  |  |
| quantity |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| device\_source\_value |  |  |  |
| device\_source\_concept\_id |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| device\_exposure\_id |  |  |  |
| person\_id |  |  |  |
| device\_concept\_id |  |  |  |
| device\_exposure\_start\_date |  |  |  |
| device\_exposure\_end\_date |  |  |  |
| device\_type\_concept\_id |  |  |  |
| unique\_device\_id |  |  |  |
| quantity |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| device\_source\_value |  |  |  |
| device\_source\_concept\_id |  |  |  |

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| device\_exposure\_id |  |  |  |
| person\_id |  |  |  |
| device\_concept\_id |  |  |  |
| device\_exposure\_start\_date |  |  |  |
| device\_exposure\_end\_date |  |  |  |
| device\_type\_concept\_id |  |  |  |
| unique\_device\_id |  |  |  |
| quantity |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| device\_source\_value |  |  |  |
| device\_source\_concept\_id |  |  |  |

Table name: procedure\_occurrence

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| procedure\_concept\_id |  |  |  |
| procedure\_date |  |  |  |
| procedure\_type\_concept\_id |  |  |  |
| modifier\_concept\_id |  |  |  |
| quantity |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| procedure\_source\_value |  |  |  |
| procedure\_source\_concept\_id |  |  |  |
| qualifier\_source\_value |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_occurrence\_id |  |  |  |
| person\_id |  |  |  |
| procedure\_concept\_id |  |  |  |
| procedure\_date |  |  |  |
| procedure\_type\_concept\_id |  |  |  |
| modifier\_concept\_id |  |  |  |
| quantity |  |  |  |
| provider\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| procedure\_source\_value |  |  |  |
| procedure\_source\_concept\_id |  |  |  |
| qualifier\_source\_value |  |  |  |

Table name: measurement

Table name: observation

Table name: note

Table name: specimen

Table name: fact\_relationship

Table name: procedure\_cost

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_cost\_id |  |  |  |
| procedure\_occurrence\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| revenue\_code\_concept\_id |  |  |  |
| payer\_plan\_period\_id |  |  |  |
| revenue\_code\_source\_value |  |  |  |

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| procedure\_cost\_id |  |  |  |
| procedure\_occurrence\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| revenue\_code\_concept\_id |  |  |  |
| payer\_plan\_period\_id |  |  |  |
| revenue\_code\_source\_value |  |  |  |

Table name: visit\_cost

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_cost\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| payer\_plan\_period\_id |  |  |  |

Reading from outpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_cost\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| payer\_plan\_period\_id |  |  |  |

Reading from inpatient\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| visit\_cost\_id |  |  |  |
| visit\_occurrence\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| payer\_plan\_period\_id |  |  |  |

Table name: drug\_cost

Reading from prescription\_drug\_events

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_cost\_id |  |  |  |
| drug\_exposure\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| ingredient\_cost |  |  |  |
| dispensing\_fee |  |  |  |
| average\_wholesale\_price |  |  |  |
| payer\_plan\_period\_id |  |  |  |

Reading from carrier\_claims

Generated

|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| drug\_cost\_id |  |  |  |
| drug\_exposure\_id |  |  |  |
| currency\_concept\_id |  |  |  |
| paid\_copay |  |  |  |
| paid\_coinsurance |  |  |  |
| paid\_toward\_deductible |  |  |  |
| paid\_by\_payer |  |  |  |
| paid\_by\_coordination\_benefits |  |  |  |
| total\_out\_of\_pocket |  |  |  |
| total\_paid |  |  |  |
| ingredient\_cost |  |  |  |
| dispensing\_fee |  |  |  |
| average\_wholesale\_price |  |  |  |
| payer\_plan\_period\_id |  |  |  |

Table name: payer\_plan\_period

Reading from beneficiary\_summary

We are going to look at birth and death date.
We know which months they had claims.
We know how many months they had coverages.
If MONTH = 0 they were not enrolled for that year.
IF MONTH > 0 then they were enrolled.
We will use the birth and death to correct the tails.
We need to knit the records together the years.

We will have overlapping payer plan periods.



|  |  |  |  |
| --- | --- | --- | --- |
| Destination Field | Source Field | Logic | Comment |
| payer\_plan\_period\_id |  |  |  |
| person\_id | desynpuf\_id |  |  |
| payer\_plan\_period\_start\_date |  |  |  |
| payer\_plan\_period\_end\_date |  |  |  |
| payer\_source\_value |  |  |  |
| plan\_source\_value |  |  |  |
| family\_source\_value |  |  |  |

Table name: device\_cost

Table name: drug\_era

Table name: dose\_era

Table name: condition\_era

Table name: cdm\_source

Table name: cohort

Table name: cohort\_definition

Table name: cohort\_attribute

Table name: attribute\_definition

Appendix: source tables

Table: beneficiary\_summary

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| desynpuf\_id | varchar | List truncated... |  |
| bene\_birth\_dt | int | 19421001 |  |
| bene\_death\_dt | int | 0 |  |
| bene\_sex\_ident\_cd | smallint | 2 |  |
| bene\_race\_cd | smallint | 1 |  |
| bene\_esrd\_ind | varchar | 0 |  |
| sp\_state\_code | smallint | 5 |  |
| bene\_county\_cd | smallint | 200 | THIS CODE SPECIFIES THE SSA CODE FOR THE COUNTY OF RESIDENCE OF THE BENEFICIARY. EACH STATE HAS A SERIES OF CODES BEGINNING WITH '000' FOR EACH COUNTY WITHIN THAT STATE. CERTAIN CITIES WITHIN THAT STATE HAVE THEIR OWN CODE. COUNTY CODES MUST BE COMBINED WITH STATE CODES IN ORDER TO LOCATE THE SPECIFIC COUNTY. THE CODING SYSTEM IS THE SSA SYSTEM, NOT THE FEDERAL INFORMATION PROCESSING STANDARD (FIPS). |
| bene\_hi\_cvrage\_tot\_mons | smallint | 12 |  |
| bene\_smi\_cvrage\_tot\_mons | smallint | 12 |  |
| bene\_hmo\_cvrage\_tot\_mons | smallint | 0 |  |
| plan\_cvrg\_mos\_num | smallint | 12 |  |
| sp\_alzhdmta | smallint | 2 |  |
| sp\_chf | smallint | 2 |  |
| sp\_chrnkidn | smallint | 2 |  |
| sp\_cncr | smallint | 2 |  |
| sp\_copd | smallint | 2 |  |
| sp\_depressn | smallint | 2 |  |
| sp\_diabetes | smallint | 2 |  |
| sp\_ischmcht | smallint | 2 |  |
| sp\_osteoprs | smallint | 2 |  |
| sp\_ra\_oa | smallint | 2 |  |
| sp\_strketia | smallint | 2 |  |
| medreimb\_ip | real | 0.0 |  |
| benres\_ip | real | 0.0 |  |
| pppymt\_ip | real | 0.0 |  |
| medreimb\_op | real | 0.0 |  |
| benres\_op | real | 0.0 |  |
| pppymt\_op | real | 0.0 |  |
| medreimb\_car | real | 0.0 |  |
| benres\_car | real | 0.0 |  |
| pppymt\_car | real | 0.0 |  |

Table: carrier\_claims

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| desynpuf\_id | varchar | AEF310232161AC91 |  |
| clm\_id | bigint | List truncated... |  |
| clm\_from\_dt | int | 20090216 |  |
| clm\_thru\_dt | int | 20081106 |  |
| icd9\_dgns\_cd\_1 | varchar | 4011 |  |
| icd9\_dgns\_cd\_2 | varchar |  |  |
| icd9\_dgns\_cd\_3 | varchar |  |  |
| icd9\_dgns\_cd\_4 | varchar |  |  |
| icd9\_dgns\_cd\_5 | varchar |  |  |
| icd9\_dgns\_cd\_6 | varchar |  |  |
| icd9\_dgns\_cd\_7 | varchar |  |  |
| icd9\_dgns\_cd\_8 | varchar |  |  |
| prf\_physn\_npi\_1 | bigint | 888901330 |  |
| prf\_physn\_npi\_2 | bigint | 0 |  |
| prf\_physn\_npi\_3 | bigint | 0 |  |
| prf\_physn\_npi\_4 | bigint | 0 |  |
| prf\_physn\_npi\_5 | bigint | 0 |  |
| prf\_physn\_npi\_6 | bigint | 0 |  |
| prf\_physn\_npi\_7 | bigint | 0 |  |
| prf\_physn\_npi\_8 | bigint | 0 |  |
| prf\_physn\_npi\_9 | bigint | 0 |  |
| prf\_physn\_npi\_10 | bigint | 0 |  |
| prf\_physn\_npi\_11 | bigint | 0 |  |
| prf\_physn\_npi\_12 | bigint | 0 |  |
| prf\_physn\_npi\_13 | bigint | 0 |  |
| tax\_num\_1 | int | 532092265 |  |
| tax\_num\_2 | int | 0 |  |
| tax\_num\_3 | int | 0 |  |
| tax\_num\_4 | int | 0 |  |
| tax\_num\_5 | int | 0 |  |
| tax\_num\_6 | int | 0 |  |
| tax\_num\_7 | int | 0 |  |
| tax\_num\_8 | int | 0 |  |
| tax\_num\_9 | int | 0 |  |
| tax\_num\_10 | int | 0 |  |
| tax\_num\_11 | int | 0 |  |
| tax\_num\_12 | int | 0 |  |
| tax\_num\_13 | int | 0 |  |
| hcpcs\_cd\_1 | varchar | 99213 |  |
| hcpcs\_cd\_2 | varchar |  |  |
| hcpcs\_cd\_3 | varchar |  |  |
| hcpcs\_cd\_4 | varchar |  |  |
| hcpcs\_cd\_5 | varchar |  |  |
| hcpcs\_cd\_6 | varchar |  |  |
| hcpcs\_cd\_7 | varchar |  |  |
| hcpcs\_cd\_8 | varchar |  |  |
| hcpcs\_cd\_9 | varchar |  |  |
| hcpcs\_cd\_10 | varchar |  |  |
| hcpcs\_cd\_11 | varchar |  |  |
| hcpcs\_cd\_12 | varchar |  |  |
| hcpcs\_cd\_13 | varchar |  |  |
| line\_nch\_pmt\_amt\_1 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_2 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_3 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_4 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_5 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_6 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_7 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_8 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_9 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_10 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_11 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_12 | real | 0.0 |  |
| line\_nch\_pmt\_amt\_13 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_1 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_2 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_3 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_4 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_5 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_6 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_7 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_8 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_9 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_10 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_11 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_12 | real | 0.0 |  |
| line\_bene\_ptb\_ddctbl\_amt\_13 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_1 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_2 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_3 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_4 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_5 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_6 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_7 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_8 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_9 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_10 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_11 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_12 | real | 0.0 |  |
| line\_bene\_prmry\_pyr\_pd\_amt\_13 | real | 0.0 |  |
| line\_coinsrnc\_amt\_1 | real | 0.0 |  |
| line\_coinsrnc\_amt\_2 | real | 0.0 |  |
| line\_coinsrnc\_amt\_3 | real | 0.0 |  |
| line\_coinsrnc\_amt\_4 | real | 0.0 |  |
| line\_coinsrnc\_amt\_5 | real | 0.0 |  |
| line\_coinsrnc\_amt\_6 | real | 0.0 |  |
| line\_coinsrnc\_amt\_7 | real | 0.0 |  |
| line\_coinsrnc\_amt\_8 | real | 0.0 |  |
| line\_coinsrnc\_amt\_9 | real | 0.0 |  |
| line\_coinsrnc\_amt\_10 | real | 0.0 |  |
| line\_coinsrnc\_amt\_11 | real | 0.0 |  |
| line\_coinsrnc\_amt\_12 | real | 0.0 |  |
| line\_coinsrnc\_amt\_13 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_1 | real | 10.0 |  |
| line\_alowd\_chrg\_amt\_2 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_3 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_4 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_5 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_6 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_7 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_8 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_9 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_10 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_11 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_12 | real | 0.0 |  |
| line\_alowd\_chrg\_amt\_13 | real | 0.0 |  |
| line\_prcsg\_ind\_cd\_1 | varchar | A |  |
| line\_prcsg\_ind\_cd\_2 | varchar |  |  |
| line\_prcsg\_ind\_cd\_3 | varchar |  |  |
| line\_prcsg\_ind\_cd\_4 | varchar |  |  |
| line\_prcsg\_ind\_cd\_5 | varchar |  |  |
| line\_prcsg\_ind\_cd\_6 | varchar |  |  |
| line\_prcsg\_ind\_cd\_7 | varchar |  |  |
| line\_prcsg\_ind\_cd\_8 | varchar |  |  |
| line\_prcsg\_ind\_cd\_9 | varchar |  |  |
| line\_prcsg\_ind\_cd\_10 | varchar |  |  |
| line\_prcsg\_ind\_cd\_11 | varchar |  |  |
| line\_prcsg\_ind\_cd\_12 | varchar |  |  |
| line\_prcsg\_ind\_cd\_13 | varchar |  |  |
| line\_icd9\_dgns\_cd\_1 | varchar | 4019 |  |
| line\_icd9\_dgns\_cd\_2 | varchar |  |  |
| line\_icd9\_dgns\_cd\_3 | varchar |  |  |
| line\_icd9\_dgns\_cd\_4 | varchar |  |  |
| line\_icd9\_dgns\_cd\_5 | varchar |  |  |
| line\_icd9\_dgns\_cd\_6 | varchar |  |  |
| line\_icd9\_dgns\_cd\_7 | varchar |  |  |
| line\_icd9\_dgns\_cd\_8 | varchar |  |  |
| line\_icd9\_dgns\_cd\_9 | varchar |  |  |
| line\_icd9\_dgns\_cd\_10 | varchar |  |  |
| line\_icd9\_dgns\_cd\_11 | varchar |  |  |
| line\_icd9\_dgns\_cd\_12 | varchar |  |  |
| line\_icd9\_dgns\_cd\_13 | varchar |  |  |

Table: inpatient\_claims

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| desynpuf\_id | varchar | List truncated... |  |
| clm\_id | bigint | List truncated... |  |
| segment | smallint | 1 |  |
| clm\_from\_dt | int | 20080522 |  |
| clm\_thru\_dt | int | 20080529 |  |
| prvdr\_num | varchar | 23006G |  |
| clm\_pmt\_amt | real | 4000.0 |  |
| nch\_prmry\_pyr\_clm\_pd\_amt | real | 0.0 |  |
| at\_physn\_npi | bigint | 0 |  |
| op\_physn\_npi | bigint | 0 |  |
| ot\_physn\_npi | bigint | 0 |  |
| clm\_admsn\_dt | int | 20080522 |  |
| admtng\_icd9\_dgns\_cd | varchar | 78605 |  |
| clm\_pass\_thru\_per\_diem\_amt | real | 0.0 |  |
| nch\_bene\_ip\_ddctbl\_amt | real | 1024.0 |  |
| nch\_bene\_pta\_coinsrnc\_lblty\_am | real | 0.0 |  |
| nch\_bene\_blood\_ddctbl\_lblty\_am | real | 0.0 |  |
| clm\_utlztn\_day\_cnt | int | 3 |  |
| nch\_bene\_dschrg\_dt | int | 20080529 |  |
| clm\_drg\_cd | varchar | 882 |  |
| icd9\_dgns\_cd\_1 | varchar | 486 |  |
| icd9\_dgns\_cd\_2 | varchar | 4019 |  |
| icd9\_dgns\_cd\_3 | varchar | 4019 |  |
| icd9\_dgns\_cd\_4 | varchar | 4019 |  |
| icd9\_dgns\_cd\_5 | varchar |  |  |
| icd9\_dgns\_cd\_6 | varchar |  |  |
| icd9\_dgns\_cd\_7 | varchar |  |  |
| icd9\_dgns\_cd\_8 | varchar |  |  |
| icd9\_dgns\_cd\_9 | varchar |  |  |
| icd9\_dgns\_cd\_10 | varchar |  |  |
| icd9\_prcdr\_cd\_1 | varchar |  |  |
| icd9\_prcdr\_cd\_2 | varchar |  |  |
| icd9\_prcdr\_cd\_3 | varchar |  |  |
| icd9\_prcdr\_cd\_4 | varchar |  |  |
| icd9\_prcdr\_cd\_5 | varchar |  |  |
| icd9\_prcdr\_cd\_6 | varchar |  |  |
| hcpcs\_cd\_1 | varchar |  |  |
| hcpcs\_cd\_2 | varchar |  |  |
| hcpcs\_cd\_3 | varchar |  |  |
| hcpcs\_cd\_4 | varchar |  |  |
| hcpcs\_cd\_5 | varchar |  |  |
| hcpcs\_cd\_6 | varchar |  |  |
| hcpcs\_cd\_7 | varchar |  |  |
| hcpcs\_cd\_8 | varchar |  |  |
| hcpcs\_cd\_9 | varchar |  |  |
| hcpcs\_cd\_10 | varchar |  |  |
| hcpcs\_cd\_11 | varchar |  |  |
| hcpcs\_cd\_12 | varchar |  |  |
| hcpcs\_cd\_13 | varchar |  |  |
| hcpcs\_cd\_14 | varchar |  |  |
| hcpcs\_cd\_15 | varchar |  |  |
| hcpcs\_cd\_16 | varchar |  |  |
| hcpcs\_cd\_17 | varchar |  |  |
| hcpcs\_cd\_18 | varchar |  |  |
| hcpcs\_cd\_19 | varchar |  |  |
| hcpcs\_cd\_20 | varchar |  |  |
| hcpcs\_cd\_21 | varchar |  |  |
| hcpcs\_cd\_22 | varchar |  |  |
| hcpcs\_cd\_23 | varchar |  |  |
| hcpcs\_cd\_24 | varchar |  |  |
| hcpcs\_cd\_25 | varchar |  |  |
| hcpcs\_cd\_26 | varchar |  |  |
| hcpcs\_cd\_27 | varchar |  |  |
| hcpcs\_cd\_28 | varchar |  |  |
| hcpcs\_cd\_29 | varchar |  |  |
| hcpcs\_cd\_30 | varchar |  |  |
| hcpcs\_cd\_31 | varchar |  |  |
| hcpcs\_cd\_32 | varchar |  |  |
| hcpcs\_cd\_33 | varchar |  |  |
| hcpcs\_cd\_34 | varchar |  |  |
| hcpcs\_cd\_35 | varchar |  |  |
| hcpcs\_cd\_36 | varchar |  |  |
| hcpcs\_cd\_37 | varchar |  |  |
| hcpcs\_cd\_38 | varchar |  |  |
| hcpcs\_cd\_39 | varchar |  |  |
| hcpcs\_cd\_40 | varchar |  |  |
| hcpcs\_cd\_41 | varchar |  |  |
| hcpcs\_cd\_42 | varchar |  |  |
| hcpcs\_cd\_43 | varchar |  |  |
| hcpcs\_cd\_44 | varchar |  |  |
| hcpcs\_cd\_45 | varchar |  |  |

Table: prescription\_drug\_events

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| desynpuf\_id | varchar | 91D777A10F0E8C60 |  |
| pde\_id | bigint | List truncated... |  |
| srvc\_dt | int | 20090323 |  |
| prod\_srvc\_id | varchar | 00002840099 |  |
| qty\_dspnsd\_num | real | 30.0 |  |
| days\_suply\_num | smallint | 30 |  |
| ptnt\_pay\_amt | real | 0.0 |  |
| tot\_rx\_cst\_amt | real | 10.0 |  |

Table: outpatient\_claims

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | Most freq. value | Comment |
| desynpuf\_id | varchar | AD5D4E087BF57C05 |  |
| clm\_id | bigint | List truncated... |  |
| segment | smallint | 1 |  |
| clm\_from\_dt | int | 0 |  |
| clm\_thru\_dt | int | 0 |  |
| prvdr\_num | varchar | 0502NA |  |
| clm\_pmt\_amt | real | 100.0 |  |
| nch\_prmry\_pyr\_clm\_pd\_amt | real | 0.0 |  |
| at\_physn\_npi | bigint | 0 |  |
| op\_physn\_npi | bigint | 0 |  |
| ot\_physn\_npi | bigint | 0 |  |
| nch\_bene\_blood\_ddctbl\_lblty\_am | real | 0.0 |  |
| icd9\_dgns\_cd\_1 | varchar | 4019 |  |
| icd9\_dgns\_cd\_2 | varchar |  |  |
| icd9\_dgns\_cd\_3 | varchar |  |  |
| icd9\_dgns\_cd\_4 | varchar |  |  |
| icd9\_dgns\_cd\_5 | varchar |  |  |
| icd9\_dgns\_cd\_6 | varchar |  |  |
| icd9\_dgns\_cd\_7 | varchar |  |  |
| icd9\_dgns\_cd\_8 | varchar |  |  |
| icd9\_dgns\_cd\_9 | varchar |  |  |
| icd9\_dgns\_cd\_10 | varchar |  |  |
| icd9\_prcdr\_cd\_1 | varchar |  |  |
| icd9\_prcdr\_cd\_2 | varchar |  |  |
| icd9\_prcdr\_cd\_3 | varchar |  |  |
| icd9\_prcdr\_cd\_4 | varchar |  |  |
| icd9\_prcdr\_cd\_5 | varchar |  |  |
| icd9\_prcdr\_cd\_6 | varchar |  |  |
| nch\_bene\_ptb\_ddctbl\_amt | real | 0.0 |  |
| nch\_bene\_ptb\_coinsrnc\_amt | real | 0.0 |  |
| admtng\_icd9\_dgns\_cd | varchar |  |  |
| hcpcs\_cd\_1 | varchar | 36415 |  |
| hcpcs\_cd\_2 | varchar |  |  |
| hcpcs\_cd\_3 | varchar |  |  |
| hcpcs\_cd\_4 | varchar |  |  |
| hcpcs\_cd\_5 | varchar |  |  |
| hcpcs\_cd\_6 | varchar |  |  |
| hcpcs\_cd\_7 | varchar |  |  |
| hcpcs\_cd\_8 | varchar |  |  |
| hcpcs\_cd\_9 | varchar |  |  |
| hcpcs\_cd\_10 | varchar |  |  |
| hcpcs\_cd\_11 | varchar |  |  |
| hcpcs\_cd\_12 | varchar |  |  |
| hcpcs\_cd\_13 | varchar |  |  |
| hcpcs\_cd\_14 | varchar |  |  |
| hcpcs\_cd\_15 | varchar |  |  |
| hcpcs\_cd\_16 | varchar |  |  |
| hcpcs\_cd\_17 | varchar |  |  |
| hcpcs\_cd\_18 | varchar |  |  |
| hcpcs\_cd\_19 | varchar |  |  |
| hcpcs\_cd\_20 | varchar |  |  |
| hcpcs\_cd\_21 | varchar |  |  |
| hcpcs\_cd\_22 | varchar |  |  |
| hcpcs\_cd\_23 | varchar |  |  |
| hcpcs\_cd\_24 | varchar |  |  |
| hcpcs\_cd\_25 | varchar |  |  |
| hcpcs\_cd\_26 | varchar |  |  |
| hcpcs\_cd\_27 | varchar |  |  |
| hcpcs\_cd\_28 | varchar |  |  |
| hcpcs\_cd\_29 | varchar |  |  |
| hcpcs\_cd\_30 | varchar |  |  |
| hcpcs\_cd\_31 | varchar |  |  |
| hcpcs\_cd\_32 | varchar |  |  |
| hcpcs\_cd\_33 | varchar |  |  |
| hcpcs\_cd\_34 | varchar |  |  |
| hcpcs\_cd\_35 | varchar |  |  |
| hcpcs\_cd\_36 | varchar |  |  |
| hcpcs\_cd\_37 | varchar |  |  |
| hcpcs\_cd\_38 | varchar |  |  |
| hcpcs\_cd\_39 | varchar |  |  |
| hcpcs\_cd\_40 | varchar |  |  |
| hcpcs\_cd\_41 | varchar |  |  |
| hcpcs\_cd\_42 | varchar |  |  |
| hcpcs\_cd\_43 | varchar |  |  |
| hcpcs\_cd\_44 | varchar |  |  |
| hcpcs\_cd\_45 | varchar |  |  |