Merative™ MarketScan® Research Databases

2022 Commercial Database, v1.0

2022 Medicare Database, v1.0

Data Dictionary

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Format of Data Dictionary

Each standard field that may be found in MarketScan data is defined on the following pages. Seven columns of information are present for each field.

Name

The short (2 to 8 character) name of the variable.

Long Name

Long name, or label of the variable. For example, the variable containing information about the type of provider who rendered the service is labeled "Provider Type."

Description

A definition of the data in the variable.

Data Types/Formats

CHAR: Character
NUM: Integer Numeric
FLT: Decimal Numeric (CSV only)
DATE: Date (CSV only)

Valid Contents

The meaning of each valid term in the field. For example, the standard values for SEX (Gender of Patient) are 1 and 2, with 1 meaning male and 2 meaning female.
Some variables have longer lists of standard values. For those, a separate attachment (which follows the alphabetical listing) has been created.

Notes

Information about the source of the data in the variable. The Note often relates to analytical uses of the data.

Format of Data Dictionary

Tables

An abbreviation that indicates in which table the variable is found:

I: Inpatient Admissions

F: Facility Header

S: Inpatient Services

O: Outpatient Services

D: Outpatient Drug Claims

A: Annual Summary Enrollment

T: Detail Enrollment

RED BOOK: RED BOOK Supplementary Table

Commercial Database

Medicare Database

Variable Summary

Name	Long Name	SAS Format	Tables
Clinical Variables			
ADMTYP	Admission Type	CHAR(1)	I, S
BILLTYP	Facility Bill Type Code	CHAR(3)	F
DRG	Diagnosis Related Group (v40.0)	NUM(3)	I, S
DSTATUS	Discharge Status	CHAR(2)	F, I, S
DX1	Diagnosis 1	CHAR(7)	F, I, O, S
DX10	Diagnosis 10	CHAR(7)	I
DX11	Diagnosis 11	CHAR(7)	I
DX12	Diagnosis 12	CHAR(7)	I
DX13	Diagnosis 13	CHAR(7)	I
DX14	Diagnosis 14	CHAR(7)	I
DX15	Diagnosis 15	CHAR(7)	I
DX2	Diagnosis 2	CHAR(7)	F, I, O, S
DX3	Diagnosis 3	CHAR(7)	F, I, O, S
DX4	Diagnosis 4	CHAR(7)	F, I, O, S
DX5	Diagnosis 5	CHAR(7)	F, I
DX6	Diagnosis 6	CHAR(7)	F, I
DX7	Diagnosis 7	CHAR(7)	F, I
DX8	Diagnosis 8	CHAR(7)	F, I
DX9	Diagnosis 9	CHAR(7)	F, I
DXVER	Diagnosis Code ICD Version Indicator	CHAR(1)	F, I, O, S
MDC	Major Diagnostic Category	CHAR(2)	F, I, O, S
PDX	Diagnosis Principal	CHAR(7)	I, S
POADX1	Present on Admission Diagnosis 1	CHAR(1)	F, I
POADX10	Present on Admission Diagnosis 10	CHAR(1)	I
POADX11	Present on Admission Diagnosis 11	CHAR(1)	I
POADX12	Present on Admission Diagnosis 12	CHAR(1)	I
POADX13	Present on Admission Diagnosis 13	CHAR(1)	I

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
POADX14	Present on Admission Diagnosis 14	CHAR(1)	I
POADX15	Present on Admission Diagnosis 15	CHAR(1)	I
POADX2	Present on Admission Diagnosis 2	CHAR(1)	F, I
POADX3	Present on Admission Diagnosis 3	CHAR(1)	F, I
POADX4	Present on Admission Diagnosis 4	CHAR(1)	F, I
POADX5	Present on Admission Diagnosis 5	CHAR(1)	F, I
POADX6	Present on Admission Diagnosis 6	CHAR(1)	F, I
POADX7	Present on Admission Diagnosis 7	CHAR(1)	F, I
POADX8	Present on Admission Diagnosis 8	CHAR(1)	F, I
POADX9	Present on Admission Diagnosis 9	CHAR(1)	F, I
POAPDX	Present on Admission Principal Diagnosis	CHAR(1)	I
PPROC	Procedure Principal	CHAR(7)	I, S
PROC1	Procedure Code 1	CHAR(7)	F, I, O, S
PROC10	Procedure 10	CHAR(7)	I
PROC11	Procedure 11	CHAR(7)	I
PROC12	Procedure 12	CHAR(7)	I
PROC13	Procedure 13	CHAR(7)	I
PROC14	Procedure 14	CHAR(7)	I
PROC15	Procedure 15	CHAR(7)	I
PROC2	Procedure 2	CHAR(7)	F, I
PROC3	Procedure 3	CHAR(7)	F, I
PROC4	Procedure 4	CHAR(7)	F, I
PROC5	Procedure 5	CHAR(7)	F, I
PROC6	Procedure 6	CHAR(7)	F, I
PROC7	Procedure 7	CHAR(7)	I
PROC8	Procedure 8	CHAR(7)	I
PROC9	Procedure 9	CHAR(7)	I
PROCGRP	Procedure Code Group	NUM(3)	O

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
PROCMOD	Procedure Code Modifier	CHAR(2)	O, S
PROCTYP	Procedure Code Type	CHAR(1)	O, S
REVCODE	Revenue Code	CHAR(4)	O, S
Demographic Variables			
AGE	Age of Patient	NUM(3)	A, D, F, I, O, S, T
AGEGRP	Age Group	CHAR(1)	A, D, F, I, O, S, T
DATATYP	Data Type	NUM(3)	D, F, I, O, S, T
DATTYP1	Data Type Month 1	NUM(3)	A
DATTYP10	Data Type Month 10	NUM(3)	A
DATTYP11	Data Type Month 11	NUM(3)	A
DATTYP12	Data Type Month 12	NUM(3)	A
DATTYP2	Data Type Month 2	NUM(3)	A
DATTYP3	Data Type Month 3	NUM(3)	A
DATTYP4	Data Type Month 4	NUM(3)	A
DATTYP5	Data Type Month 5	NUM(3)	A
DATTYP6	Data Type Month 6	NUM(3)	A
DATTYP7	Data Type Month 7	NUM(3)	A
DATTYP8	Data Type Month 8	NUM(3)	A
DATTYP9	Data Type Month 9	NUM(3)	A
DOBYR	Patient Birth Year	NUM(3)	A, D, F, I, O, S, T
EECLASS	Employee Classification	CHAR(1)	A, D, F, I, O, S, T
EESTATU	Employment Status	CHAR(1)	A, D, F, I, O, S, T
INDSTRY	Industry	CHAR(1)	A, D, F, I, O, S, T
MSWGTKEY	MarketScan National Weight Key	CHAR(5)	A
PLANTYP	Plan Indicator	NUM(3)	D, F, I, O, S, T
PLNTYP1	Plan Indicator Month 1	NUM(3)	A
PLNTYP10	Plan Indicator Month 10	NUM(3)	A
PLNTYP11	Plan Indicator Month 11	NUM(3)	A

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
PLNTYP12	Plan Indicator Month 12	NUM(3)	A
PLNTYP2	Plan Indicator Month 2	NUM(3)	A
PLNTYP3	Plan Indicator Month 3	NUM(3)	A
PLNTYP4	Plan Indicator Month 4	NUM(3)	A
PLNTYP5	Plan Indicator Month 5	NUM(3)	A
PLNTYP6	Plan Indicator Month 6	NUM(3)	A
PLNTYP7	Plan Indicator Month 7	NUM(3)	A
PLNTYP8	Plan Indicator Month 8	NUM(3)	A
PLNTYP9	Plan Indicator Month 9	NUM(3)	A
SEX	Gender of Patient	CHAR(1)	A, D, F, I, O, S, T
Drug Variables			
DAWIND	Dispense as Written Indicator	CHAR(2)	D
DAYSUPP	Days Supply	NUM(3)	D
DEACLAS	DEA Classification	CHAR(1)	D, RED_BOOK
GENERID	Generic Product ID	NUM(6)	D, RED_BOOK
GENIND	Generic Indicator	CHAR(1)	D, RED_BOOK
MAINTIN	Maintenance Indicator	CHAR(1)	D, RED_BOOK
METQTY	Metric Quantity	NUM(4)	D
NDCNUM	National Drug Code	CHAR(11)	D, RED_BOOK
PHARMID	Pharmacy ID	NUM(6)	D
REFILL	Refill Number	NUM(3)	D
RXMR	RX Mail Order–Retail Indicator	CHAR(1)	D
THERCLS	Therapeutic Class	NUM(3)	D, RED_BOOK
THERGRP	Therapeutic Group	CHAR(2)	D, RED_BOOK
Financial Variables			
AWP	Average Wholesale Price	NUM(4)	D
COB	COB and Other Savings	NUM(4)	D, F, O, S
COINS	Coinsurance	NUM(4)	D, F, O, S

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
COPAY	Copayment	NUM(4)	D, F, O, S
DEDUCT	Deductible	NUM(4)	D, F, O, S
DISPFEE	Dispensing Fee	NUM(4)	D
HOSPNET	Net Payments: Hospital	NUM(6)	I
HOSPPAY	Payments: Hospital	NUM(6)	I
INGCOST	Ingredient Cost	NUM(4)	D
NETPAY	Payments Net	NUM(4)	D, F, O, S
PAY	Payment	NUM(4)	D, O, S
PHYSNET	Net Payments: Physician	NUM(6)	I
PHYSPAY	Payments: Physician	NUM(6)	I
SALETAX	Sales Tax	NUM(4)	D
TOTCOB	COB and Other Savings: Total (Case)	NUM(6)	I
TOTCOINS	Coinsurance: Total (Case)	NUM(6)	I
TOTCOPAY	Copayment: Total (Case)	NUM(6)	I
TOTDED	Deductible: Total (Case)	NUM(6)	I
TOTNET	Payments: Net (Case)	NUM(6)	I
TOTPAY	Payments: Total (Case)	NUM(6)	I
Geographic Variables			
EGEOLOC	Geographic Location Employee	CHAR(2)	A, D, F, I, O, S, T
MSA	Metropolitan Statistical Area	NUM(4)	A, D, F, I, O, S, T
REGION	Region	CHAR(1)	A, D, F, I, O, S, T
STATE	State of Hospital	CHAR(2)	I
Patient Variables			
EFAMID	Enrolled Family ID	NUM(6)	A, D, F, I, O, S, T
EIDFLAG	Enrollee ID Derivation Flag	CHAR(1)	D, F, I, O, S
EMPREL	Relation to Employee	CHAR(1)	A, D, F, I, O, S, T
ENRFLAG	Enrollment Flag	CHAR(1)	D, F, I, O, S
ENROLID	Enrollee ID	NUM(6)	A, D, F, I, O, S, T

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
HLTHPLAN	Health Plan Indicator	CHAR(1)	A, D, F, I, O, S, T
MEDADV	Medicare Advantage Flag	NUM(8)	D, F, I, O, S, T
MEDADV1	Medicare Advantage Flag Month 1	NUM(3)	A
MEDADV10	Medicare Advantage Flag Month 10	NUM(3)	A
MEDADV11	Medicare Advantage Flag Month 11	NUM(3)	A
MEDADV12	Medicare Advantage Flag Month 12	NUM(3)	A
MEDADV2	Medicare Advantage Flag Month 2	NUM(3)	A
MEDADV3	Medicare Advantage Flag Month 3	NUM(3)	A
MEDADV4	Medicare Advantage Flag Month 4	NUM(3)	A
MEDADV5	Medicare Advantage Flag Month 5	NUM(3)	A
MEDADV6	Medicare Advantage Flag Month 6	NUM(3)	A
MEDADV7	Medicare Advantage Flag Month 7	NUM(3)	A
MEDADV8	Medicare Advantage Flag Month 8	NUM(3)	A
MEDADV9	Medicare Advantage Flag Month 9	NUM(3)	A
MHSACOVG	Coverage Indicator MHSA	CHAR(1)	A, D, F, I, O, S, T
Provider Variables			
NPI	National Provider ID	CHAR(10)	F, O, S
NTWKPROV	Network Provider Indicator	CHAR(1)	D, F, O, S
PHYFLAG	Physician Specialty Coding Flag	CHAR(1)	A, D, F, I, O, S, T
PHYSID	Physician ID	NUM(6)	I
PROVID	Provider ID	NUM(6)	F, O, S
STDPLAC	Place of Service	NUM(3)	F, O, S
STDPROV	Provider Type	NUM(3)	F, O, S
SVCSCAT	Medstat Service Sub–Category Code	CHAR(5)	O, S
Time Variables			
ADMDATE	Date of Admission	NUM(4)	I, S
DAYS	Length of Stay	NUM(3)	I
DISDATE	Date of Discharge	NUM(4)	I, S

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
DTEND	Date Enrollment End	NUM(4)	T
DTSTART	Date Enrollment Start	NUM(4)	T
ENRIND1	Enrollment Indicator Month 1	NUM(3)	A
ENRIND10	Enrollment Indicator Month 10	NUM(3)	A
ENRIND11	Enrollment Indicator Month 11	NUM(3)	A
ENRIND12	Enrollment Indicator Month 12	NUM(3)	A
ENRIND2	Enrollment Indicator Month 2	NUM(3)	A
ENRIND3	Enrollment Indicator Month 3	NUM(3)	A
ENRIND4	Enrollment Indicator Month 4	NUM(3)	A
ENRIND5	Enrollment Indicator Month 5	NUM(3)	A
ENRIND6	Enrollment Indicator Month 6	NUM(3)	A
ENRIND7	Enrollment Indicator Month 7	NUM(3)	A
ENRIND8	Enrollment Indicator Month 8	NUM(3)	A
ENRIND9	Enrollment Indicator Month 9	NUM(3)	A
ENRMON	Enrollment Months	NUM(3)	A
MEMDAY1	Member Days Month 1	NUM(3)	A
MEMDAY10	Member Days Month 10	NUM(3)	A
MEMDAY11	Member Days Month 11	NUM(3)	A
MEMDAY12	Member Days Month 12	NUM(3)	A
MEMDAY2	Member Days Month 2	NUM(3)	A
MEMDAY3	Member Days Month 3	NUM(3)	A
MEMDAY4	Member Days Month 4	NUM(3)	A
MEMDAY5	Member Days Month 5	NUM(3)	A
MEMDAY6	Member Days Month 6	NUM(3)	A
MEMDAY7	Member Days Month 7	NUM(3)	A
MEMDAY8	Member Days Month 8	NUM(3)	A
MEMDAY9	Member Days Month 9	NUM(3)	A
MEMDAYS	Member Days	NUM(3)	A, T

Commercial Database
Medicare Database
Variable Summary

Name	Long Name	SAS Format	Tables
PDDATE	Date Claim Paid	NUM(4)	D, F, O, S
SVCDATE	Date Service Incurred	NUM(4)	D, F, O, S
TSVCDAT	Date Service Ending	NUM(4)	F, O, S
YEAR	Date Year Incurred	NUM(3)	A, D, F, I, O, S, T
Other Variables			
CAP_SVC	Capitated Service–Claim Indicator	CHAR(1)	D, F, O, S
CASEID	Case and Services Link	NUM(6)	F, I, S
FACHDID	Facility Header Record ID	NUM(6)	F, O, S
FACPROF	Facility-Professional Claim Indicator	CHAR(1)	O, S
MSCLMID	MarketScan Claim ID	NUM(6)	F, O, S
PAIDNTWK	Network Paid Indicator	CHAR(1)	D, F, O, S
QTY	Quantity of Services	NUM(4)	D, O, S
RX	Cohort Drug Indicator	CHAR(1)	A, F, I, O, S, T
SEQNUM	Sequence Number	NUM(6)	A, D, F, I, O, S, T
UNITS	Units of Service Count	NUM(4)	O, S
VERSION	Version	CHAR(2)	A, D, F, I, O, S, T

Commercial Database
Medicare Database
Inpatient Admissions Table

Name	Long Name	SAS Data Type	SAS Length
ADMDATE	Date of Admission	NUM	4
ADMTYP	Admission Type	CHAR	1
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
CASEID	Case and Services Link	NUM	6
DATATYP	Data Type	NUM	3
DAYS	Length of Stay	NUM	3
DISDATE	Date of Discharge	NUM	4
DOBYR	Patient Birth Year	NUM	3
DRG	Diagnosis Related Group (v40.0)	NUM	3
DSTATUS	Discharge Status	CHAR	2
DX1	Diagnosis 1	CHAR	7
DX10	Diagnosis 10	CHAR	7
DX11	Diagnosis 11	CHAR	7
DX12	Diagnosis 12	CHAR	7
DX13	Diagnosis 13	CHAR	7
DX14	Diagnosis 14	CHAR	7
DX15	Diagnosis 15	CHAR	7
DX2	Diagnosis 2	CHAR	7
DX3	Diagnosis 3	CHAR	7
DX4	Diagnosis 4	CHAR	7
DX5	Diagnosis 5	CHAR	7
DX6	Diagnosis 6	CHAR	7
DX7	Diagnosis 7	CHAR	7
DX8	Diagnosis 8	CHAR	7
DX9	Diagnosis 9	CHAR	7
DXVER	Diagnosis Code ICD Version Indicator	CHAR	1
EECLASS	Employee Classification	CHAR	1

Commercial Database
Medicare Database
Inpatient Admissions Table

Name	Long Name	SAS Data Type	SAS Length
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EIDFLAG	Enrollee ID Derivation Flag	CHAR	1
EMPREL	Relation to Employee	CHAR	1
ENRFLAG	Enrollment Flag	CHAR	1
ENROLID	Enrollee ID	NUM	6
HLTHPLAN	Health Plan Indicator	CHAR	1
HOSPNET	Net Payments: Hospital	NUM	6
HOSPPAY	Payments: Hospital	NUM	6
INDSTRY	Industry	CHAR	1
MDC	Major Diagnostic Category	CHAR	2
MEDADV	Medicare Advantage Flag	NUM	8
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
PDX	Diagnosis Principal	CHAR	7
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PHYSID	Physician ID	NUM	6
PHYSNET	Net Payments: Physician	NUM	6
PHYSPAY	Payments: Physician	NUM	6
PLANTYP	Plan Indicator	NUM	3
POADX1	Present on Admission Diagnosis 1	CHAR	1
POADX10	Present on Admission Diagnosis 10	CHAR	1
POADX11	Present on Admission Diagnosis 11	CHAR	1
POADX12	Present on Admission Diagnosis 12	CHAR	1
POADX13	Present on Admission Diagnosis 13	CHAR	1
POADX14	Present on Admission Diagnosis 14	CHAR	1
POADX15	Present on Admission Diagnosis 15	CHAR	1

Commercial Database
Medicare Database
Inpatient Admissions Table

Name	Long Name	SAS Data Type	SAS Length
POADX2	Present on Admission Diagnosis 2	CHAR	1
POADX3	Present on Admission Diagnosis 3	CHAR	1
POADX4	Present on Admission Diagnosis 4	CHAR	1
POADX5	Present on Admission Diagnosis 5	CHAR	1
POADX6	Present on Admission Diagnosis 6	CHAR	1
POADX7	Present on Admission Diagnosis 7	CHAR	1
POADX8	Present on Admission Diagnosis 8	CHAR	1
POADX9	Present on Admission Diagnosis 9	CHAR	1
POAPDX	Present on Admission Principal Diagnosis	CHAR	1
PPROC	Procedure Principal	CHAR	7
PROC1	Procedure Code 1	CHAR	7
PROC10	Procedure 10	CHAR	7
PROC11	Procedure 11	CHAR	7
PROC12	Procedure 12	CHAR	7
PROC13	Procedure 13	CHAR	7
PROC14	Procedure 14	CHAR	7
PROC15	Procedure 15	CHAR	7
PROC2	Procedure 2	CHAR	7
PROC3	Procedure 3	CHAR	7
PROC4	Procedure 4	CHAR	7
PROC5	Procedure 5	CHAR	7
PROC6	Procedure 6	CHAR	7
PROC7	Procedure 7	CHAR	7
PROC8	Procedure 8	CHAR	7
PROC9	Procedure 9	CHAR	7
REGION	Region	CHAR	1
RX	Cohort Drug Indicator	CHAR	1
SEQNUM	Sequence Number	NUM	6

Commercial Database
Medicare Database
Inpatient Admissions Table

Name	Long Name	SAS Data Type	SAS Length
SEX	Gender of Patient	CHAR	1
STATE	State of Hospital	CHAR	2
TOTCOB	COB and Other Savings: Total (Case)	NUM	6
TOTCOINS	Coinsurance: Total (Case)	NUM	6
TOTCOPAY	Copayment: Total (Case)	NUM	6
TOTDED	Deductible: Total (Case)	NUM	6
TOTNET	Payments: Net (Case)	NUM	6
TOTPAY	Payments: Total (Case)	NUM	6
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
Facility Header Table

Name	Long Name	SAS Data Type	SAS Length
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
BILLTYP	Facility Bill Type Code	CHAR	3
CAP_SVC	Capitated Service–Claim Indicator	CHAR	1
CASEID	Case and Services Link	NUM	6
COB	COB and Other Savings	NUM	4
COINS	Coinsurance	NUM	4
COPAY	Copayment	NUM	4
DATATYP	Data Type	NUM	3
DEDUCT	Deductible	NUM	4
DOBYR	Patient Birth Year	NUM	3
DSTATUS	Discharge Status	CHAR	2
DX1	Diagnosis 1	CHAR	7
DX2	Diagnosis 2	CHAR	7
DX3	Diagnosis 3	CHAR	7
DX4	Diagnosis 4	CHAR	7
DX5	Diagnosis 5	CHAR	7
DX6	Diagnosis 6	CHAR	7
DX7	Diagnosis 7	CHAR	7
DX8	Diagnosis 8	CHAR	7
DX9	Diagnosis 9	CHAR	7
DXVER	Diagnosis Code ICD Version Indicator	CHAR	1
EECLASS	Employee Classification	CHAR	1
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EIDFLAG	Enrollee ID Derivation Flag	CHAR	1
EMPREL	Relation to Employee	CHAR	1

Commercial Database
Medicare Database
Facility Header Table

Name	Long Name	SAS Data Type	SAS Length
ENRFLAG	Enrollment Flag	CHAR	1
ENROLID	Enrollee ID	NUM	6
FACHDID	Facility Header Record ID	NUM	6
HLTHPLAN	Health Plan Indicator	CHAR	1
INDSTRY	Industry	CHAR	1
MDC	Major Diagnostic Category	CHAR	2
MEDADV	Medicare Advantage Flag	NUM	8
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
MSCLMID	MarketScan Claim ID	NUM	6
NETPAY	Payments Net	NUM	4
NPI	National Provider ID	CHAR	10
NTWKPROV	Network Provider Indicator	CHAR	1
PAIDNTWK	Network Paid Indicator	CHAR	1
PDDATE	Date Claim Paid	NUM	4
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PLANTYP	Plan Indicator	NUM	3
POADX1	Present on Admission Diagnosis 1	CHAR	1
POADX2	Present on Admission Diagnosis 2	CHAR	1
POADX3	Present on Admission Diagnosis 3	CHAR	1
POADX4	Present on Admission Diagnosis 4	CHAR	1
POADX5	Present on Admission Diagnosis 5	CHAR	1
POADX6	Present on Admission Diagnosis 6	CHAR	1
POADX7	Present on Admission Diagnosis 7	CHAR	1
POADX8	Present on Admission Diagnosis 8	CHAR	1
POADX9	Present on Admission Diagnosis 9	CHAR	1
PROC1	Procedure Code 1	CHAR	7
PROC2	Procedure 2	CHAR	7

Commercial Database
Medicare Database
Facility Header Table

Name	Long Name	SAS Data Type	SAS Length
PROC3	Procedure 3	CHAR	7
PROC4	Procedure 4	CHAR	7
PROC5	Procedure 5	CHAR	7
PROC6	Procedure 6	CHAR	7
PROVID	Provider ID	NUM	6
REGION	Region	CHAR	1
RX	Cohort Drug Indicator	CHAR	1
SEQNUM	Sequence Number	NUM	6
SEX	Gender of Patient	CHAR	1
STDPLAC	Place of Service	NUM	3
STDPROV	Provider Type	NUM	3
SVCDATE	Date Service Incurred	NUM	4
TSVCDAT	Date Service Ending	NUM	4
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
Inpatient Services Table

Name	Long Name	SAS Data Type	SAS Length
ADMDATE	Date of Admission	NUM	4
ADMTYP	Admission Type	CHAR	1
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
CAP_SVC	Capitated Service–Claim Indicator	CHAR	1
CASEID	Case and Services Link	NUM	6
COB	COB and Other Savings	NUM	4
COINS	Coinsurance	NUM	4
COPAY	Copayment	NUM	4
DATATYP	Data Type	NUM	3
DEDUCT	Deductible	NUM	4
DISDATE	Date of Discharge	NUM	4
DOBYR	Patient Birth Year	NUM	3
DRG	Diagnosis Related Group (v40.0)	NUM	3
DSTATUS	Discharge Status	CHAR	2
DX1	Diagnosis 1	CHAR	7
DX2	Diagnosis 2	CHAR	7
DX3	Diagnosis 3	CHAR	7
DX4	Diagnosis 4	CHAR	7
DXVER	Diagnosis Code ICD Version Indicator	CHAR	1
EECLASS	Employee Classification	CHAR	1
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EIDFLAG	Enrollee ID Derivation Flag	CHAR	1
EMPREL	Relation to Employee	CHAR	1
ENRFLAG	Enrollment Flag	CHAR	1
ENROLID	Enrollee ID	NUM	6

Commercial Database
Medicare Database
Inpatient Services Table

Name	Long Name	SAS Data Type	SAS Length
FACHDID	Facility Header Record ID	NUM	6
FACPROF	Facility–Professional Claim Indicator	CHAR	1
HLTHPLAN	Health Plan Indicator	CHAR	1
INDSTRY	Industry	CHAR	1
MDC	Major Diagnostic Category	CHAR	2
MEDADV	Medicare Advantage Flag	NUM	8
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
MSCLMID	MarketScan Claim ID	NUM	6
NETPAY	Payments Net	NUM	4
NPI	National Provider ID	CHAR	10
NTWKPROV	Network Provider Indicator	CHAR	1
PAIDNTWK	Network Paid Indicator	CHAR	1
PAY	Payment	NUM	4
PDDATE	Date Claim Paid	NUM	4
PDX	Diagnosis Principal	CHAR	7
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PLANTYP	Plan Indicator	NUM	3
PPROC	Procedure Principal	CHAR	7
PROC1	Procedure Code 1	CHAR	7
PROCMOD	Procedure Code Modifier	CHAR	2
PROCTYP	Procedure Code Type	CHAR	1
PROVID	Provider ID	NUM	6
QTY	Quantity of Services	NUM	4
REGION	Region	CHAR	1
REVCODE	Revenue Code	CHAR	4
RX	Cohort Drug Indicator	CHAR	1
SEQNUM	Sequence Number	NUM	6

Commercial Database
Medicare Database
Inpatient Services Table

Name	Long Name	SAS Data Type	SAS Length
SEX	Gender of Patient	CHAR	1
STDPLAC	Place of Service	NUM	3
STDPROV	Provider Type	NUM	3
SVCDATE	Date Service Incurred	NUM	4
SVCSCAT	Medstat Service Sub-Category Code	CHAR	5
TSVCDAT	Date Service Ending	NUM	4
UNITS	Units of Service Count	NUM	4
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
Outpatient Services Table

Name	Long Name	SAS Data Type	SAS Length
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
CAP_SVC	Capitated Service–Claim Indicator	CHAR	1
COB	COB and Other Savings	NUM	4
COINS	Coinsurance	NUM	4
COPAY	Copayment	NUM	4
DATATYP	Data Type	NUM	3
DEDUCT	Deductible	NUM	4
DOBYR	Patient Birth Year	NUM	3
DX1	Diagnosis 1	CHAR	7
DX2	Diagnosis 2	CHAR	7
DX3	Diagnosis 3	CHAR	7
DX4	Diagnosis 4	CHAR	7
DXVER	Diagnosis Code ICD Version Indicator	CHAR	1
EECLASS	Employee Classification	CHAR	1
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EIDFLAG	Enrollee ID Derivation Flag	CHAR	1
EMPREL	Relation to Employee	CHAR	1
ENRFLAG	Enrollment Flag	CHAR	1
ENROLID	Enrollee ID	NUM	6
FACHDID	Facility Header Record ID	NUM	6
FACPROF	Facility-Professional Claim Indicator	CHAR	1
HLTHPLAN	Health Plan Indicator	CHAR	1
INDSTRY	Industry	CHAR	1
MDC	Major Diagnostic Category	CHAR	2
MEDADV	Medicare Advantage Flag	NUM	8

Commercial Database
Medicare Database
Outpatient Services Table

Name	Long Name	SAS Data Type	SAS Length
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
MSCLMID	MarketScan Claim ID	NUM	6
NETPAY	Payments Net	NUM	4
NPI	National Provider ID	CHAR	10
NTWKPROV	Network Provider Indicator	CHAR	1
PAIDNTWK	Network Paid Indicator	CHAR	1
PAY	Payment	NUM	4
PDDATE	Date Claim Paid	NUM	4
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PLANTYP	Plan Indicator	NUM	3
PROC1	Procedure Code 1	CHAR	7
PROCGRP	Procedure Code Group	NUM	3
PROCMOD	Procedure Code Modifier	CHAR	2
PROCTYP	Procedure Code Type	CHAR	1
PROVID	Provider ID	NUM	6
QTY	Quantity of Services	NUM	4
REGION	Region	CHAR	1
REVCODE	Revenue Code	CHAR	4
RX	Cohort Drug Indicator	CHAR	1
SEQNUM	Sequence Number	NUM	6
SEX	Gender of Patient	CHAR	1
STDPLAC	Place of Service	NUM	3
STDPROV	Provider Type	NUM	3
SVCDATE	Date Service Incurred	NUM	4
SVCSCAT	Medstat Service Sub-Category Code	CHAR	5
TSVCDAT	Date Service Ending	NUM	4
UNITS	Units of Service Count	NUM	4

Commercial Database
Medicare Database
Outpatient Services Table

Name	Long Name	SAS Data Type	SAS Length
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
Outpatient Pharmaceutical Claims Table

Name	Long Name	SAS Data Type	SAS Length
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
AWP	Average Wholesale Price	NUM	4
CAP_SVC	Capitated Service-Claim Indicator	CHAR	1
COB	COB and Other Savings	NUM	4
COINS	Coinsurance	NUM	4
COPAY	Copayment	NUM	4
DATATYP	Data Type	NUM	3
DAWIND	Dispense as Written Indicator	CHAR	2
DAYSUPP	Days Supply	NUM	3
DEACLAS	DEA Classification	CHAR	1
DEDUCT	Deductible	NUM	4
DISPFEE	Dispensing Fee	NUM	4
DOBYR	Patient Birth Year	NUM	3
EECLASS	Employee Classification	CHAR	1
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EIDFLAG	Enrollee ID Derivation Flag	CHAR	1
EMPREL	Relation to Employee	CHAR	1
ENRFLAG	Enrollment Flag	CHAR	1
ENROLID	Enrollee ID	NUM	6
GENERID	Generic Product ID	NUM	6
GENIND	Generic Indicator	CHAR	1
HLTHPLAN	Health Plan Indicator	CHAR	1
INDSTRY	Industry	CHAR	1
INGCOST	Ingredient Cost	NUM	4
MAINTIN	Maintenance Indicator	CHAR	1

Commercial Database
Medicare Database
Outpatient Pharmaceutical Claims Table

Name	Long Name	SAS Data Type	SAS Length
MEDADV	Medicare Advantage Flag	NUM	8
METQTY	Metric Quantity	NUM	4
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
NDCNUM	National Drug Code	CHAR	11
NETPAY	Payments Net	NUM	4
NTWKPROV	Network Provider Indicator	CHAR	1
PAIDNTWK	Network Paid Indicator	CHAR	1
PAY	Payment	NUM	4
PDDATE	Date Claim Paid	NUM	4
PHARMID	Pharmacy ID	NUM	6
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PLANTYP	Plan Indicator	NUM	3
QTY	Quantity of Services	NUM	4
REFILL	Refill Number	NUM	3
REGION	Region	CHAR	1
RXMR	RX Mail Order–Retail Indicator	CHAR	1
SALETAX	Sales Tax	NUM	4
SEQNUM	Sequence Number	NUM	6
SEX	Gender of Patient	CHAR	1
SVCDATE	Date Service Incurred	NUM	4
THERCLS	Therapeutic Class	NUM	3
THERGRP	Therapeutic Group	CHAR	2
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
Annual Enrollment Summary Table

Name	Long Name	SAS Data Type	SAS Length
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
DATTYP1	Data Type Month 1	NUM	3
DATTYP10	Data Type Month 10	NUM	3
DATTYP11	Data Type Month 11	NUM	3
DATTYP12	Data Type Month 12	NUM	3
DATTYP2	Data Type Month 2	NUM	3
DATTYP3	Data Type Month 3	NUM	3
DATTYP4	Data Type Month 4	NUM	3
DATTYP5	Data Type Month 5	NUM	3
DATTYP6	Data Type Month 6	NUM	3
DATTYP7	Data Type Month 7	NUM	3
DATTYP8	Data Type Month 8	NUM	3
DATTYP9	Data Type Month 9	NUM	3
DOBYR	Patient Birth Year	NUM	3
EECLASS	Employee Classification	CHAR	1
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EMPREL	Relation to Employee	CHAR	1
ENRIND1	Enrollment Indicator Month 1	NUM	3
ENRIND10	Enrollment Indicator Month 10	NUM	3
ENRIND11	Enrollment Indicator Month 11	NUM	3
ENRIND12	Enrollment Indicator Month 12	NUM	3
ENRIND2	Enrollment Indicator Month 2	NUM	3
ENRIND3	Enrollment Indicator Month 3	NUM	3
ENRIND4	Enrollment Indicator Month 4	NUM	3
ENRIND5	Enrollment Indicator Month 5	NUM	3

<table>
<tr><td colspan="4" style="background:purple;color:white">Commercial Database
Medicare Database
Annual Enrollment Summary Table</td></tr>
</table>

Name	Long Name	SAS Data Type	SAS Length
ENRIND6	Enrollment Indicator Month 6	NUM	3
ENRIND7	Enrollment Indicator Month 7	NUM	3
ENRIND8	Enrollment Indicator Month 8	NUM	3
ENRIND9	Enrollment Indicator Month 9	NUM	3
ENRMON	Enrollment Months	NUM	3
ENROLID	Enrollee ID	NUM	6
HLTHPLAN	Health Plan Indicator	CHAR	1
INDSTRY	Industry	CHAR	1
MEDADV1	Medicare Advantage Flag Month 1	NUM	3
MEDADV10	Medicare Advantage Flag Month 10	NUM	3
MEDADV11	Medicare Advantage Flag Month 11	NUM	3
MEDADV12	Medicare Advantage Flag Month 12	NUM	3
MEDADV2	Medicare Advantage Flag Month 2	NUM	3
MEDADV3	Medicare Advantage Flag Month 3	NUM	3
MEDADV4	Medicare Advantage Flag Month 4	NUM	3
MEDADV5	Medicare Advantage Flag Month 5	NUM	3
MEDADV6	Medicare Advantage Flag Month 6	NUM	3
MEDADV7	Medicare Advantage Flag Month 7	NUM	3
MEDADV8	Medicare Advantage Flag Month 8	NUM	3
MEDADV9	Medicare Advantage Flag Month 9	NUM	3
MEMDAY1	Member Days Month 1	NUM	3
MEMDAY10	Member Days Month 10	NUM	3
MEMDAY11	Member Days Month 11	NUM	3
MEMDAY12	Member Days Month 12	NUM	3
MEMDAY2	Member Days Month 2	NUM	3
MEMDAY3	Member Days Month 3	NUM	3
MEMDAY4	Member Days Month 4	NUM	3
MEMDAY5	Member Days Month 5	NUM	3

Commercial Database
Medicare Database
Annual Enrollment Summary Table

Name	Long Name	SAS Data Type	SAS Length
MEMDAY6	Member Days Month 6	NUM	3
MEMDAY7	Member Days Month 7	NUM	3
MEMDAY8	Member Days Month 8	NUM	3
MEMDAY9	Member Days Month 9	NUM	3
MEMDAYS	Member Days	NUM	3
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
MSWGTKEY	MarketScan National Weight Key	CHAR	5
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PLNTYP1	Plan Indicator Month 1	NUM	3
PLNTYP10	Plan Indicator Month 10	NUM	3
PLNTYP11	Plan Indicator Month 11	NUM	3
PLNTYP12	Plan Indicator Month 12	NUM	3
PLNTYP2	Plan Indicator Month 2	NUM	3
PLNTYP3	Plan Indicator Month 3	NUM	3
PLNTYP4	Plan Indicator Month 4	NUM	3
PLNTYP5	Plan Indicator Month 5	NUM	3
PLNTYP6	Plan Indicator Month 6	NUM	3
PLNTYP7	Plan Indicator Month 7	NUM	3
PLNTYP8	Plan Indicator Month 8	NUM	3
PLNTYP9	Plan Indicator Month 9	NUM	3
REGION	Region	CHAR	1
RX	Cohort Drug Indicator	CHAR	1
SEQNUM	Sequence Number	NUM	6
SEX	Gender of Patient	CHAR	1
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
Enrollment Detail Table

Name	Long Name	SAS Data Type	SAS Length
AGE	Age of Patient	NUM	3
AGEGRP	Age Group	CHAR	1
DATATYP	Data Type	NUM	3
DOBYR	Patient Birth Year	NUM	3
DTEND	Date Enrollment End	NUM	4
DTSTART	Date Enrollment Start	NUM	4
EECLASS	Employee Classification	CHAR	1
EESTATU	Employment Status	CHAR	1
EFAMID	Enrolled Family ID	NUM	6
EGEOLOC	Geographic Location Employee	CHAR	2
EMPREL	Relation to Employee	CHAR	1
ENROLID	Enrollee ID	NUM	6
HLTHPLAN	Health Plan Indicator	CHAR	1
INDSTRY	Industry	CHAR	1
MEDADV	Medicare Advantage Flag	NUM	8
MEMDAYS	Member Days	NUM	3
MHSACOVG	Coverage Indicator MHSA	CHAR	1
MSA	Metropolitan Statistical Area	NUM	4
PHYFLAG	Physician Specialty Coding Flag	CHAR	1
PLANTYP	Plan Indicator	NUM	3
REGION	Region	CHAR	1
RX	Cohort Drug Indicator	CHAR	1
SEQNUM	Sequence Number	NUM	6
SEX	Gender of Patient	CHAR	1
VERSION	Version	CHAR	2
YEAR	Date Year Incurred	NUM	3

Commercial Database
Medicare Database
RED BOOK® Supplemental Table

Name	Long Name	SAS Data Type	SAS Length
ACTIND	NDC Active Indicator	CHAR	1
DEACLAS	DEA Classification	CHAR	1
DEACLDS	DEA Class Description	CHAR	50
DEACTDT	Date Deactivated	NUM	4
DESIDRG	DESI Drug Indicator	CHAR	1
EXCDGDS	Exceptional Drug Description	CHAR	30
EXCLDRG	Exceptional Drug Indicator	CHAR	2
GENERID	Generic Product ID	NUM	6
GENIND	Generic Indicator	CHAR	1
GENNME	Generic Drug Name	CHAR	50
GNINDDS	Generic Indicator Description	CHAR	30
MAINTDS	Maintenance Indicator Description	CHAR	30
MAINTIN	Maintenance Indicator	CHAR	1
MANFNME	Manufacturer Name	CHAR	50
MASTFRM	Master Form Code	CHAR	3
METSIZE	Metric Size	CHAR	30
MSTFMDS	Master Form Description	CHAR	30
NDCNUM	National Drug Code	CHAR	11
ORGBKCD	Orange Book Code	CHAR	3
ORGBKDS	Orange Book Code Description	CHAR	30
ORGBKFG	Orange Book Standard Flag	CHAR	1
PKQTYCD	Package Quantity Code	CHAR	3
PKSIZE	Package Size	NUM	4
PRDCTDS	Product Category Description	CHAR	30
PRODCAT	Product Category Code	CHAR	2
PRODNME	Product Name	CHAR	50
REACTDT	Date Reactivated	NUM	4
ROACD	Route of Administration Code	CHAR	2

Commercial Database
Medicare Database
RED BOOK® Supplemental Table

Name	Long Name	SAS Data Type	SAS Length
ROADS	Route of Administration Description	CHAR	30
SIGLSRC	Single Source Indicator	CHAR	1
STRNGTH	Strength	CHAR	30
THERCLS	Therapeutic Class	NUM	3
THERDTL	Therapeutic Detail Code	NUM	6
THERGRP	Therapeutic Group	CHAR	2
THRCLDS	Therapeutic Class Description	CHAR	30
THRDTDS	Therapeutic Detail Code Description	CHAR	30
THRGRDS	Therapeutic Group Description	CHAR	30

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
ADMDATE	Date of Admission	Date of the hospital admission	NUM(4)	mmddyy10.	-	I, S
ADMTYP	Admission Type	Type of hospital admission	CHAR(1)	1: Surgical 2: Medical 3: Maternity & Newborn 4: Psych & Substance Abuse 5: Unknown	Mapped from DRG, MDC, and SVCTYP values	I, S
AGE	Age of Patient	Patient age in years at the time of service	NUM(3)	Each character = 0-9	A table: calculated using DTSTART from the first enrollment detail (T) record of the year. I table: calculated using ADMDATE. D, F, O, S, R tables: calculated using SVCDATE. T table: calculated using DTSTART. Beginning in the 2016 data year: Age 0-6 - actual age as of the Date of Service/Enrollment Start Date/Admission Date. Age 7-16 - age as of the 15th of the month of the Date of Service/Enrollment Start Date/Admission Date. Age 17+ - age as of the July 1 of the year of the Date of Service/Enrollment Start Date/Admission Date.	A, D, F, I, O, S, T
AGEGRP	Age Group	A value identifying the patient or members age group	CHAR(1)	1: 0-17 2: 18-34 3: 35-44 4: 45-54 5: 55-64 6: 65 and older	Age group or cohort of patient on admissions (I), services (S), outpatient services (O), prescription drug claims (D), and lab results (R); of covered life on populations (P); the mode of monthly AGEGRP for a member on Annual Enrollment Summary (A); of member as of the start of the enrollment period on Enrollment Detail (T)	A, D, F, I, O, S, T

Commercial Database

Medicare Database

Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
AWP	Average Wholesale Price	The average wholesale price charged by wholesalers for the specific drug	NUM(4)	Each character = 0-9; includes dollars and cents with explicit decimal	Calculated by multiplying the AWP unit price from RED BOOK by the metric quantity. The prices contained in RED BOOK are based on data reported by manufacturers. Merative has not performed any independent analysis of the actual prices paid by wholesalers and providers in the marketplace. Thus, actual prices paid by wholesalers and providers may well vary from the prices contained in this database and all prices are subject to change without notice. Please refer to the "AWP Policy" in the RED BOOK product for more information.	D
BILLTYP	Facility Bill Type Code	The Bill Type code appearing on the header of the facility claim	CHAR(3)	-	New in 2003	F
CAP_SVC	Capitated Service-Claim Indicator	An indication of whether the individual service or claim was paid on a capitated basis	CHAR(1)	Y: Yes N: No	New in 2007	D, F, O, S
CASEID	Case and Services Link	A unique number identifying a case and its related services	NUM(6)	Each character = 0-9	Unique within a database and year. Prior to 1999 data, this field was named CASEINP on the Inpatient Admissions Table (I) and INP on the Inpatient Services Table (S).	F, I, S
COB	COB and Other Savings	All dollars not paid by the carrier, except deductible and copayment amounts. Includes COB, Medicare, third party payer and penalties. Total payments for the service minus Deductible, Copayment, Coinsurance, and COB/Savings equals employer net payments.	NUM(4)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D, F, O, S
COINS	Coinsurance	Payments made by the beneficiary to satisfy coinsurance plan provisions and/or apply to the stop-loss cap. Total payments for the service minus Deductible, Copayment, Coinsurance, and COB/Savings equals employer net payments.	NUM(4)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D, F, O, S

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
COPAY	Copayment	Payments made by the beneficiary to satisfy copayment or coinsurance plan provisions and/or apply to the stop-loss cap. Total payments for the service minus Deductible, Copayment, Coinsurance, and COB/Savings equals employer net payments.	NUM(4)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D, F, O, S
DATATYP	Data Type	A value identifying whether the claim or eligible population is fee-for-service, encounter, Medicare, or Medicare encounter. This field was new in 1998 and was developed to identify claims formerly found in the Private Pay Fee-For-Service, Encounter, and Medicare databases.	NUM(3)	1: Fee for Service 2: Encounter 3: Medicare 4: Medicare Encounter	Prior to 1998, Data Types 1 and 2 were not merged. Data Type 4 was not available prior to 1998.	D, F, I, O, S, T
DATTYP1 through DATTYP12	Data Type Months 1 through 12	A value identifying whether eligible population is fee-for-service, encounter, Medicare, or Medicare encounter, for a particular month of enrollment	NUM(3)	1: Fee for Service 2: Encounter 3: Medicare 4: Medicare Encounter	Prior to 1998, Data Types 1 and 2 were not merged. Data Type 4 was not available prior to 1998.	A
DAWIND	Dispense as Written Indicator	For brand drugs dispensed, indicates whether "DAW" (dispense as written) was specified, and by whom	CHAR(2)	01: No DAW 02: Physician DAW 03: Patient DAW 04: Pharmacist DAW 05: Generic Not in Stock 06: Brand Dispensed as Generic 07: Override 08: Brand Mandated by Law 09: No Generic Available 10: Other	As coded on claim	D
DAYS	Length of Stay	Number of overnight stays for a hospital admission	NUM(3)	Each character = 0-9	Calculated by Merative using consecutive hospital claims.	I
DAYSUPP	Days Supply	The number of days of drug therapy covered by this prescription	NUM(3)	Each character = 0-9	As coded on claim. For mail order plans, days supply should range from 30-90 days.	D

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
DEACLAS	DEA Classification	Drug classification identifying controlled substances, as classified by the DEA (Drug Enforcement Administration) For 1997 data, moving forward	CHAR(1)	1: Class I (not submitted in RED BOOK) 2: Class II (high abuse potential, severe dependence liability) 3: Class III (less abuse potential, moderate dependence liability) 4: Class IV (less abuse potential, limited dependence liability) 5: Class V (low abuse potential, RX or OTC) 6: RX (not classified under the Controlled Substances Act) 7: OTC Product (nonprescription; all other over the counter products) 8: Other/unavailable Missing: Did not tag	Prior to 1997 values were: 1: Class I High abuse potential, no accepted medical use 2: Class II High abuse potential, severe dependence liability 3: Class III Less abuse potential, moderate dependence liability 4: Class IV Less abuse potential, limited dependence liability 5: Class V Limited abuse potential Missing: Not a controlled substance.	D, RED_BOOK
DEDUCT	Deductible	Payments made by the beneficiary to satisfy the plan's deductible provisions. Total payments for the service minus Deductible, Copayment, Coinsurance, and COB/Savings equals employer net payments.	NUM(4)	Each character = 0–9	Set A: Null Set B: As coded on claim	D, F, O, S
DISDATE	Date of Discharge	Date of hospital discharge	NUM(4)	mmddyy10.	–	I, S
DISPFEE	Dispensing Fee	Administration fee charged by the pharmacy for dispensing the prescription	NUM(4)	Each character = 0–9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D
DOBYR	Patient Birth Year	Year of patient birth	NUM(3)	CCYY	Calculated on the claims tables from the date of service and the patient age. Derived on the enrollment table from the date of birth recorded on the enrollment record.	A, D, F, I, O, S, T

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
DRG	Diagnosis Related Group (v40.0)	Clinically and statistically distinct categories for inpatient care; developed for CMS as a proxy for resources to treat a patient.	NUM(3)	See Attachment A - DRG	Assigned by Merative using DRG Grouper v40.0	I, S
DSTATUS	Discharge Status	Status of patient upon discharge from the hospital.	CHAR(2)	See Attachment B - DSTATUS	Mapped from carrier specific coding to Merative standard values. Starting in 2016 DSTATUS values indicating death or transfer to law enforcement are set to missing to protect patients' privacy.	F, I, S
DTEND	Date Enrollment End	End date of continuous enrollment period	NUM(4)	mmddyy10.	-	T
DTSTART	Date Enrollment Start	Start date of continuous enrollment period	NUM(4)	mmddyy10.	-	T
DX1 through DX15	Diagnosis 1 through 15	On the admission table, the principal diagnosis and up to fourteen secondary diagnosis codes as recorded on the service records. On the facility header table, up to nine diagnosis codes. On the inpatient services table and outpatient claims tables, up to four diagnosis codes.	CHAR(7)	See "Clinical Fields" in the MarketScan Database User's Guide.	-	F, I, O, S
DXVER	Diagnosis Code ICD Version Indicator	A code denoting which coding system is relevant to the value found in the DX1 field on the record	CHAR(1)	0: ICD-10-CM 9: ICD-9-CM	New in 2015	F, I, O, S
EECLASS	Employee Classification	The employment classification of the primary beneficiary also coded on spouse and dependent claims	CHAR(1)	1: Salary Non-union 2: Salary Union 3: Salary Other 4: Hourly Non-union 5: Hourly Union 6: Hourly Other 7: Non-union 8: Union 9: Unknown	Mapped from carrier specific coding to Merative standard values.	A, D, F, I, O, S, T

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
EESTATU	Employment Status	Employment status of the primary beneficiary, also coded on spouse and dependent claims	CHAR(1)	1: Active Full Time 2: Active Part Time or Seasonal 3: Early Retiree 4: Medicare Eligible Retiree 5: Retiree (status unknown) 6: COBRA Continuee 7: Long Term Disability 8: Surviving Spouse/Depend. 9: Other/Unknown	Mapped from carrier specific coding to Merative standard values	A, D, F, I, O, S, T
EFAMID	Enrolled Family ID	A unique one to nine digit number identifying each family group in the data file	NUM(6)	Each character = 0-9	New in 2011	A, D, F, I, O, S, T
EGEOLOC	Geographic Location Employee	Geographic location (state, division, region) of primary beneficiary's residence	CHAR(2)	See Attachment C - EGEOLOC	Population supported Mapped from employee ZIP Code	A, D, F, I, O, S, T
EIDFLAG	Enrollee ID Derivation Flag	Describes the quality of ENROLID assignment	CHAR(1)	1: ENRFLAG=1; ENROLID from enrollment 2: ENRFLAG=1; ENROLID from claims 3: ENRFLAG=1; ENROLID missing 4: ENRFLAG=0; ENROLID from claims 5: ENRGLAG=0; ENROLID missing 6: ENRFLAG=0; "pseudo" ENROLID	See Section 4. Person Level Identifiers in the MarketScan CCAE MDCR User's Guide.	D, F, I, O, S
EMPREL	Relation to Employee	Relationship of the patient to the primary beneficiary	CHAR(1)	1: Employee 2: Spouse 3: Child/Other 4: Dependent-Relation Unknown	Mapped from carrier specific coding to Merative standard values	A, D, F, I, O, S, T

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
ENRFLAG	Enrollment Flag	A flag that indicates that person-level enrollment information is available for a data contributor	CHAR(1)	0: No person-level enrollment information available from this data contributor. 1: Person-level enrollment information is available from this data contributor.	See "The Enrollment Tables" in the MarketScan CCAE MDCR User's Guide.	D, F, I, O, S
ENRIND1 through ENRIND12	Enrollment Indicator Months 1 through 12	A flag that indicates that an individual was enrolled in the specified month	NUM(3)	0: Individual was not enrolled during the specified month. 1: Individual was enrolled during the specified month.	-	A
ENRMON	Enrollment Months	Total number of months during the year in which an individual was enrolled	NUM(3)	1 to 12	-	A
ENROLID	Enrollee ID	A unique three to eleven digit number identifying each enrollee in the data file	NUM(6)	Each character = 0–9	See Section 4. Person Level Identifiers in the MarketScan Database User's Guide.	A, D, F, I, O, S, T
FACHDID	Facility Header Record ID	A unique identifier that links the facility header table to the inpatient and/or outpatient services table	NUM(6)	Each character = 0–9	New in 2003. Unique within a database and year	F, O, S
FACPROF	Facility-Professional Claim Indicator	An indication of whether the claim is from a facility or professional claim	CHAR(1)	F=Facility Claim P=Professional Claim	New in 2003	O, S
GENERID	Generic Product ID	A code identifying pharmaceutically equivalent products with the same dispensing form and strength, derived from the entire Generic Formulation Code (6 digits) of RED BOOK. For 1997 moving forward.	NUM(6)	Each character = 0–9	If it is not available in the tagging file, GENERID is set to 0.	D, RED_BOOK

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
GENIND	Generic Indicator	A code identifying products as either original standard product or a generic copy of the standard product. For 1997 data, moving forward.	CHAR(1)	1: Single source brand 2: Multi-source brand, no generic 3: Multi-source brand, generic available 4: Multi source generic 5: Single source generic 6: Over the counter 7: Other/unavailable Missing: not tagged	Prior to 1997 values were: 1: Brand – Single Source 2: Brand – Multi Source 3: Original Product – Generic Available 4: Generic Product	D, RED_BOOK
HLTHPLAN	Health Plan Indicator	An indicator as to whether the data supplier of a record was a large US employer or a Health Plan	CHAR(1)	0: Employer 1: Health Plan	New in 2004	A, D, F, I, O, S, T
HOSPNET	Net Payments: Hospital	Net payments to a hospital for covered services provided during an admission. Hospital payments are included in the Total Payments for the case.	NUM(6)	Each character = 0–9; dollars and cents with explicit decimal	As coded on claim	I
HOSPPAY	Payments: Hospital	Total gross payments to a hospital for covered services provided during an admission. Hospital payments are included in the Total Payments for the case.	NUM(6)	Each character = 0–9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
INDSTRY	Industry	Industry classification of the employer responsible for payment of claim	CHAR(1)	1: Oil & Gas Extraction, Mining 2: Manufacturing, Durable Goods 3: Manufacturing, Nondurable Goods 4: Transportation, Communications, Utilities 5: Retail Trade 6: Finance, Insurance, Real Estate 7: Services A: Agriculture, Forestry, Fishing C: Construction W: Wholesale O: Other	-	A, D, F, I, O, S, T
INGCOST	Ingredient Cost	The cost or charge associated with the pharmaceutical product. The ingredient cost plus the dispensing fee and sales tax, if applicable, usually represents the entire cost of a prescription. For most plans, the ingredient cost should represent the discount from AWP.	NUM(4)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D
MAINTIN	Maintenance Indicator	Long-term maintenance drugs meet the following criteria: (a) low probability for dosage or therapy changes; (b) commonly used to treat chronic disease states; and (c) usually administered continuously rather than intermittently. For 1997 data, moving forward.	CHAR(1)	1: Used primarily for long-term treatment of chronic conditions 2: Used for both chronic and acute conditions 3: Used primarily for short-term treatment of acute conditions 4: Other/unavailable	Prior to 1997 values were: 1: Maintenance drug	D, RED_BOOK

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
MDC	Major Diagnostic Category	Body-system or disease related groupings of clinical conditions, based on diagnosis codes	CHAR(2)	See Attachment D - MDC	Assigned by Merative using DRG Grouper v40.0	F, I, O, S
MEDADV	Medicare Advantage Flag	A flag to indicate whether or not the enrollee is enrolled in a Medicare Advantage plan	NUM(8)	0: Not Medicare Advantage 1: Medicare Advantage	New in 2020	D, F, I, O, S, T
MEDADV1 through MEDADV12	Medicare Advantage Flag Months 1 through 12	A flag to indicate whether or not the enrollee is enrolled in a Medicare Advantage plan during the specified month	NUM(3)	0: Not Medicare Advantage 1: Medicare Advantage	New in 2020	A
MEMDAY1 through MEMDAY12	Member Days Months 1 through 12	The number of days an individual was enrolled during the specified month	NUM(3)	Each character = 0-9	-	A
MEMDAYS	Member Days	The number of member days an enrollee was enrolled	NUM(3)	Each character = 0-9	Calculated by DTEND less DTSTART plus 1.	A, T
METQTY	Metric Quantity	The number of units dispensed without regard to packaging format. The first nine digits of the NDC number describe how the drug is packaged.	NUM(4)	Each character = 0-9. Three decimal places of precision.	As coded on claim. Should correspond to packaging; e.g. if the drug package is tabs, the metric quantity should also be in tabs.	D
MHSACOVG	Coverage Indicator MHSA	Identifies whether or not mental health/substance abuse claims for covered individuals are included for the current year of data	CHAR(1)	0: Not Covered/Claims Not Present 1: Covered/Possible MHSA Claims	New in 2004. Added retrospectively to 2002 and 2003 data. Missing values of this variable in 2002 and 2003 data are equivalent to a value of 1.	A, D, F, I, O, S, T
MSA	Metropolitan Statistical Area	Metropolitan Statistical Area of primary beneficiary	NUM(4)	See Attachment E - MSA	Mapped from 5 digit employee ZIP Code	A, D, F, I, O, S, T
MSCLMID	MarketScan Claim ID	An identifier which, when used in conjunction with ENROLID and FACPROF (O and S tables), can enable the user to reconstruct which services were submitted as part of the same claim from a claims administration standpoint.	NUM(6)	Each character = 0-9	New in 2015	F, O, S
MSWGTKEY	MarketScan National Weight Key	A link to the MarketScan National Weights Tables	CHAR(5)	Each character = 0-9	New in 2015	A

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
NDCNUM	National Drug Code	The full 11 digits of the Food and Drug Administration registered number. The first nine digits identify the manufacturer and product name. The last two digits identify the package size.	CHAR(11)	Each character = 0-9	As coded on claim. Zero-filled to 11 characters. "00000000000" (eleven zeroes) is the missing/unknown value for NDCNUM.	D, RED_BOOK
NETPAY	Payments Net	Net payments as reported by the carrier.	NUM(4)	Each character = 0-9; dollars and cents with explicit decimal	As coded on claim	D, F, O, S
NPI	National Provider ID	An encrypted National Provider Identifier number	CHAR(10)	-	New in 2015. Encrypted.	F, O, S
NTWKPROV	Network Provider Indicator	An indication of whether the provider of an individual service was a member of the payer's network	CHAR(1)	Y: Yes N: No	New in 2007	D, F, O, S
PAIDNTWK	Network Paid Indicator	An indication of whether an individual claim was paid as in-network or not	CHAR(1)	Y: Yes N: No	New in 2007	D, F, O, S
PAY	Payment	Gross payments to a provider for a service. Payment equals the amount eligible for payment under the medical plan terms after applying rules such as discounts, but before applying COB, Copayments, and Deductibles.	NUM(4)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D, O, S
PDDATE	Date Claim Paid	The year, month, and day on which the claim was paid by the carrier/administrator	NUM(4)	-	On prescription drug records, the paid date is usually a batch date and is defaulted to the date the data are extracted.	D, F, O, S
PDX	Diagnosis Principal	Principal diagnosis explains the main reason for an admission; usually the discharge diagnosis	CHAR(7)	See "Clinical Fields" in the MarketScan Database User's Guide.	See also DX1 through DX15 above.	I, S
PHARMID	Pharmacy ID	The identification number of the pharmacy dispensing the prescription. The id number is assigned by the carrier/administrator. Encrypted as of 2001 data.	NUM(6)	Each character = 0-9	As coded on claim. May represent the NCPDP/NABP pharmacy number (seven digits) or a "home-grown" ID.	D

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
PHYFLAG	Physician Specialty Coding Flag	A flag that identifies claims from data contributors with highly-differentiated physician specialist coding on claims.	CHAR(1)	0: Fewer than 70% of Outpatient physician records have the physician's specialty indicated. 1: 70% or more of the Outpatient physician records have the physician's specialty indicated.	-	A, D, F, I, O, S, T
PHYSID	Physician ID	An identification number for the principal physician. The professional who charges the most during the admission is designated as the principal physician. Typically, anesthesiologists, pathologists, and radiologists are excluded from consideration as principal physician. This provider's dollars are identified in the Physician Payments field. The id number is assigned by the carrier/administrator. Encrypted as of 2001 data.	NUM(6)	Each character = 0-9	-	I
PHYSNET	Net Payments: Physician	Net payment for services rendered by the principal physician. The professional who charges the most during the admission is designated as the principal physician and is identified in the Physician ID field. Typically, anesthesiologists, pathologists and radiologists are excluded from consideration as principal physician. Physician Payments are included in the Total Payments for the admission.	NUM(6)	Each character = 0-9; dollars and cents with explicit decimal	As coded on claim	I
PHYSPAY	Payments: Physician	Total covered payment for services rendered by the principal physician. The professional who charges the most during the admission is designated as the principal physician and is identified in the Physician ID field. Typically, anesthesiologists, pathologists and radiologists are excluded from consideration as principal physician. Physician Payments are included in the Total Payments for the admission.	NUM(6)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
PLANTYP	Plan Indicator	Type of benefit plan	NUM(3)	1: Basic/major medical 2: Comprehensive 3: EPO 4: HMO 5: POS 6: PPO 7: POS with capitation 8: CDHP 9: HDHP	Mapped from client specific coding to Merative standard values. See "Plan Type Definition" in the MarketScan CCAE MDCR User's Guide.	D, F, I, O, S, T
PLNTYP1 through PLNTYP12	Plan Indicator Months 1 through 12	Type of benefit plan effective during a particular month of enrollment	NUM(3)	1: Basic/major medical 2: Comprehensive 3: EPO 4: HMO 5: POS 6: PPO 7: POS with capitation 8: CDHP 9: HDHP	Mapped from client specific coding to Merative standard values. See "Plan Type Definition" in the MarketScan CCAE MDCR User's Guide.	A
POADX1-15	Present on Admission Diagnoses 1 through 15	An indication of whether the value in the Diagnosis 1 field was present upon the patient's admission to the hospital	CHAR(1)	Blank: Missing/Unknown 1: Unreported/Not Used N: No, not present at admission U: Unknown W: Clinically Undetermined Y: Yes, present at admission	New in 2016	F, I
POAPDX	Present on Admission Principal Diagnosis	An indication of whether the value in the Diagnosis Principal field was present upon the patient's admission to the hospital	CHAR(1)	Blank: Missing/Unknown 1: Unreported/Not Used N: No, not present at admission U: Unknown W: Clinically Undetermined Y: Yes, present at admission	New in 2016	I

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
PPROC	Procedure Principal	Procedure principal is the procedure performed during an admission that had the greatest influence on which DRG was assigned to the admission	CHAR(7)	See "Clinical Fields" in the MarketScan Database User's Guide.	Usually an ICD-9-CM code. PPROC = PROC1 only on the Inpatient Admissions (I) Table. PROC1 on the Inpatient Service (S) table indicates the procedure performed for that service level claim only. See PROC1 through PROC15 below.	I, S
PROC1 through PROC15	Procedure 1 through 15	On the Inpatient Admissions (I) table, the principal procedure (PROC1) and up to 14 other procedures as recorded chronologically on the service record. On the inpatient service and outpatient tables, the first procedure listed.	CHAR(7)	See "Clinical Fields" in the MarketScan Database User's Guide.	Prior to 1999 data, PROC2 through PROC15 were named PROC_A through PROC_N. PPROC has been copied to PROC1. Usually a CPT4 code. ICD-9-CM codes and HCPC codes appear occasionally.	F, I, O, S
PROCGRP	Procedure Code Group	Groups of related outpatient procedures, based on CPT4, ICD-10-CM, or HCPCS procedure codes	NUM(3)	See Attachment F - PROCGRP	-	O
PROCMOD	Procedure Code Modifier	The 2-character code of the first procedure code modifier on the claim	CHAR(2)	-	Procedure modifiers only apply to CPT codes.	O, S
PROCTYP	Procedure Code Type	The type of procedure coding used by the carrier/administrator in the PROC1 (Procedure1) field	CHAR(1)	*: ICD-9-CM 0: ICD-10-CM 1: CPT 3: UB92 Revenue Code 6: NABSP 7: HCPC 8: CDT (ADA)	-	O, S
PROVID	Provider ID	Identifier for provider of service used by the carrier Encrypted as of 2001 data	NUM(6)	Each character = 0-9	-	F, O, S
QTY	Quantity of Services	Number of services performed for an inpatient service or outpatient claim and number of prescriptions filled for prescription drug claims	NUM(4)	Each character = 0-9	Prescription drug claims will contain a QTY of 1 per claim QTY for anesthesia services generally does not reflect unit of service	D, O, S
REFILL	Refill Number	A number indicating whether this is the original prescription (0), or the refill number (eg, 1, 2, etc)	NUM(3)	Each character = 0-9	As coded on the claim	D

Commercial Database
Medicare Database
Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
REGION	Region	Geographic Region of employee residence	CHAR(1)	1: Northeast 2: North Central 3: South 4: West 5: Unknown	-	A, D, F, I, O, S, T
REVCODE	Revenue Code	The CMS standard revenue code from the facility claim	CHAR(4)	-	-	O, S
RX	Cohort Drug Indicator	Identifies whether or not Merative captures drug claims for an enrolled individual's plan group	CHAR(1)	0: No drug benefit identified 1: Identifies drug benefit	See "Tables" in the MarketScan CCAE MDCR User's Guide.	A, F, I, O, S, T
RXMR	RX Mail Order–Retail Indicator	An indication of whether the prescription was filled at a retail pharmacy or through a mail-order program	CHAR(1)	1: Retail 2: Mail Order	-	D
SALETAX	Sales Tax	The amount of sales tax applied to the cost of the prescription. (The sales tax, if applicable, is usually calculated on the Ingredient Cost plus the Dispensing Fee.)	NUM(4)	Each character = 0–9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	D
SEQNUM	Sequence Number	A code indicating a unique identifier for every record on a table	NUM(6)	Each character = 0–9	Normal values for a full dataset are 1 through the number of records (e.g. a table with 2,000,000 records will have SEQNUM values 1 to 2000000). For custom datasets, this range may vary.	A, D, F, I, O, S, T
SEX	Gender of Patient	Gender of the patient on admissions, services, outpatient claims and prescription drug claims; of covered life on populations	CHAR(1)	1: Male 2: Female	As coded on claim	A, D, F, I, O, S, T
STATE	State of Hospital	The geographic state in which the admission occurred	CHAR(2)	See Attachment G - STATE	Based on hospital ZIP Code; not population supported. For 1999 data and forward, this variables share the same lookup as EGEOLOC (Geographic Location Employee)	I
STDPLAC	Place of Service	Setting where service occurred	NUM(3)	See Attachment H - STDPLAC	Mapped from carrier specific coding to Merative standard values	F, O, S

Commercial Database

Medicare Database

Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables

STDPROV	Provider Type	001-099 Facility
		100-799 Physician
		  100-199 Non-admitting Physicians
		  200-499 Admitting Physicians
		  500-599 Surgeons
		800-899 Professionals (Non-Physician)
		900-999 Agencies
			NUM(3)	See Attachment I - STDPROV	Mapped from carrier specific coding to Merative standard values	F, O, S

SVCDATE	Date Service Incurred	Date of inpatient or outpatient service or date prescription was filled	NUM(4)	mmddyy10.	Represents the "from" date if service was provided over more than one day	D, F, O, S
SVCSCAT	Medstat Service Sub-Category Code	A code indicating a detailed category of service	CHAR(5)	See Attachment J - SVCSCAT	New in 2005	O, S
THERCLS	Therapeutic Class	A 3-digit code that indicates the therapeutic/ pharmacologic category of the drug product. Based on an aggregation of THERDTL values (see below), though not related directly by numeric value (i.e. THERCLS=124 will not correspond to 10-digit THERDTL values beginning with 124).	NUM(3)	See Attachment K - THERCLS	The description is in two parts, with the second part being either the subcategory, or "Not Elsewhere Classified" (NEC). For 1997 data, moving forward. Mapped from ranges of RED BOOK codes.	D, RED_BOOK
THERGRP	Therapeutic Group	Therapeutic Group is a further aggregation of THERCLS (Therapeutic Class) values. See THERCLS and THERDTL.	CHAR(2)	See Attachment L - THERGRP	Mapped from ranges of RED BOOK Therapeutic Class Codes	D, RED_BOOK
TOTCOB	COB and Other Savings: Total (Case)	Total COB and other savings for the admission. This is the sum of service-level COB and other savings.	NUM(6)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I
TOTCOINS	Coinsurance: Total (Case)	Total coinsurance for the admission. This is the sum of service-level coinsurance.	NUM(6)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I
TOTCOPAY	Copayment: Total (Case)	Total copayments for the admission. This is the sum of service-level copayments.	NUM(6)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I
TOTDED	Deductible: Total (Case)	Total deductible for the admission. This is the sum of service-level deductible.	NUM(6)	Each character = 0-9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I

Commercial Database

Medicare Database

Data Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
TOTNET	**Payments: Net (Case)**	Total net payments for the admission. This is the sum of service-level net pay.	NUM(6)	Each character = 0–9; dollars and cents with explicit decimal	As coded on claim	I
TOTPAY	**Payments: Total (Case)**	Total gross payments to all providers who submitted claims for covered services rendered during an admission	NUM(6)	Each character = 0–9; dollars and cents with explicit decimal	Set A: Null Set B: As coded on claim	I
TSVCDAT	**Date Service Ending**	The end date for a service	NUM(4)	mmddyy10.	Represents the "to" date if service was provided over more than one day	F, O, S
UNITS	**Units of Service Count**	Units of service	NUM(4)	Each character = 0–9	New in 2015. See also QTY	O, S
VERSION	**Version**	A Merative internal database version number	CHAR(2)	Each character = 0–9	–	A, D, F, I, O, S, T
YEAR	**Date Year Incurred**	The calendar year during which the service was rendered, the admission began or the population was eligible	NUM(3)	CCYY	–	A, D, F, I, O, S, T

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
ACTIND	NDC Active Indicator	An indication of whether the NDC code is still active	CHAR(1)	Y: NDC record is currently active N: NDC record is not currently active U: Unknown	New in 2017. A value of U/Unknown suggests that the drug pre-dates Red book and/or information for that NDC is no longer actively being received.	RED_BOOK
DEACLAS	DEA Classification	Drug classification identifying controlled substances, as classified by the DEA (Drug Enforcement Administration) For 1997 data, moving forward	CHAR(1)	1: Class I (not submitted in RED BOOK) 2: Class II (high abuse potential, severe dependence liability) 3: Class III (less abuse potential, moderate dependence liability) 4: Class IV (less abuse potential, limited dependence liability) 5: Class V (low abuse potential, RX or OTC) 6: RX (not classified under the Controlled Substances Act) 7: OTC Product (nonprescription; all other over the counter products) 8: Other/unavailable Missing: Did not tag	Prior to 1997 values were: 1: Class I High abuse potential, no accepted medical use 2: Class II High abuse potential, severe dependence liability 3: Class III Less abuse potential, moderate dependence liability 4: Class IV Less abuse potential, limited dependence liability 5: Class V Limited abuse potential Missing: Not a controlled substance.	D, RED_BOOK
DEACLDS	DEA Class Description	Text lookup value for DEACLAS (DEA_Classification)	CHAR(50)	-	-	RED_BOOK
DEACTDT	Date Deactivated	The date on which the NDC code was deactivated	NUM(4)	mmddyy10.	New in 2017.	RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
DESIDRG	DESI Drug Indicator	Indicates that the product "lacks substantial evidence of effectiveness," as determined by the FDA's Drug Efficacy Study Implementation (DESI) review	CHAR(1)	Y: Drug considered less than effective by the FDA N: Drug is not considered less than effective by the FDA	-	RED_BOOK
EXCDGDS	Exceptional Drug Description	Text lookup value for EXCLDRG (Exceptional_Drug_Indicator)	CHAR(30)	-	-	RED_BOOK
EXCLDRG	Exceptional Drug Indicator	Identifies products that may be excluded from coverage by certain third-party programs. Codes employed in this field denote the excluded category into which the product falls.	CHAR(2)	-	-	RED_BOOK
GENERID	Generic Product ID	A code identifying pharmaceutically equivalent products with the same dispensing form and strength, derived from the entire Generic Formulation Code (6 digits) of RED BOOK. For 1997 moving forward.	NUM(6)	Each character = 0–9	If it is not available in the tagging file, GENERID is set to 0.	D, RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
GENIND	Generic Indicator	A code identifying products as either original standard product or a generic copy of the standard product. For 1997 data, moving forward.	CHAR(1)	1: Single source brand 2: Multi-source brand, no generic 3: Multi-source brand, generic available 4: Multi source generic 5: Single source generic 6: Over the counter 7: Other/unavailable Missing: not tagged	Prior to 1997 values were: 1: Brand – Single Source 2: Brand – Multi Source 3: Original Product – Generic Available 4: Generic Product	D, RED_BOOK
GENNME	Generic Drug Name	The 2008 RED BOOK description corresponding to GENERID (Generic_Product_ID)	CHAR(50)	Character 50 variable, left justified	See GENERID (Generic_Product_ID)	RED_BOOK
GNINDDS	Generic Indicator Description	Text lookup value for GENIND (Generic_Indicator)	CHAR(30)	-	-	RED_BOOK
MAINTDS	Maintenance Indicator Description	Text lookup value for MAINTIN (Maintenance_Indicator)	CHAR(30)	-	-	RED_BOOK
MAINTIN	Maintenance Indicator	Long-term maintenance drugs meet the following criteria: (a) low probability for dosage or therapy changes; (b) commonly used to treat chronic disease states; and (c) usually administered continuously rather than intermittently. For 1997 data, moving forward.	CHAR(1)	1: Used primarily for long-term treatment of chronic conditions 2: Used for both chronic and acute conditions 3: Used primarily for short-term treatment of acute conditions 4: Other/unavailable	Prior to 1997 values were: 1: Maintenance drug	D, RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
MANFNME	Manufacturer Name	Identifies the name of the company that markets the product. The name appearing in this field corresponds to the FDA-registered labeler name identified by the five-digit labeler code on the NDC number. Therefore, names appearing in this field will include distributors and repackagers in addition to original manufacturers.	CHAR(50)	Character 50 variable, left justified	-	RED_BOOK
MASTFRM	Master Form Code	Groups similar dosage forms under a single, broader category. For instance, all metered-dose inhaler products with the following form codes are grouped under a master form code "MDI"	CHAR(3)	-	-	RED_BOOK
METSIZE	Metric Size	The 2008 RED BOOK quantity of product in the package in metric units or number of items. This represents the size of the package bought by the pharmacy and does not induce how the drug was dispensed. The last two digits of the NDC code indicate the package size.	CHAR(30)	-	-	RED_BOOK
MSTFMDS	Master Form Description	Text lookup value for MASTFRM (Master Form Code)	CHAR(30)	Character 30 variable, left justified	-	RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
NDCNUM	National Drug Code	The full 11 digits of the Food and Drug Administration registered number. The first nine digits identify the manufacturer and product name. The last two digits identify the package size.	CHAR(11)	Each character = 0–9	As coded on claim. Zero–filled to 11 characters. "00000000000" (eleven zeroes) is the missing/unknown value for NDCNUM.	D, RED_BOOK
ORGBKCD	Orange Book Code	Supplies FDA's therapeutic equivalence code for multi–source drug products, if applicable. Codes beginning with "A" signify that the product is deemed therapeutically equivalent to other products containing the same active ingredient in an identical amount and dosage form. Codes beginning with "B" indicate that bioequivalence has not been confirmed.	CHAR(3)	–	–	RED_BOOK
ORGBKDS	Orange Book Code Description	Text lookup value for ORGBKCD (Orange Book Code)	CHAR(30)	Character 30 variable, left justified	–	RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
ORGBKFG	Orange Book Standard Flag	Marks the product as an "Orange Book Standard" drug, the benchmark to which equivalent generic products are compared during the approval process. Also known as Reference Listed Drugs, Orange Book Standard drugs set the bioequivalence criteria for their generic counterparts.	CHAR(1)	-	-	RED_BOOK
PKQTYCD	Package Quantity Code	Indicates the number of packages to which the prices in the record apply	CHAR(3)	-	-	RED_BOOK
PKSIZE	Package Size	Specifies the number of items, such as tablets, capsules, ampules, or packets, contained in this package to which the record pertains	NUM(4)	-	-	RED_BOOK
PRDCTDS	Product Category Description	Text lookup value for PRODCAT (Product Category Code)	CHAR(30)	Character 30 variable, left justified	-	RED_BOOK
PRODCAT	Product Category Code	Products in the database are coded with their prescription and trade-name status. This permits extraction of all records in a particular category, such as prescription generics, or branded OTCs. Products of repackagers are coded separately to accommodate specialized processing.	CHAR(2)	-	-	RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
PRODNME	Product Name	Supplies the name given to the product by the manufacturer. Since each package size of each strength is maintained in the database as a separate drug record, this name may appear in several other records.	CHAR(50)	Character 50 variable, left justified	-	RED_BOOK
REACTDT	Date Reactivated	The date on which the NDC code was reactivated	NUM(4)	mmddyy10.	New in 2017.	RED_BOOK
ROACD	Route of Administration Code	Identifies the route of administration of the drug.	CHAR(2)	-	New in 2015	RED_BOOK
ROADS	Route of Administration Description	Text description of the Route of Administration Code (ROACD)	CHAR(30)	-	New in 2015	RED_BOOK
SIGLSRC	Single Source Indicator	Identifies the product as trademarked, patent-protected drug generally available from only one source. A "1" in this field indicates that the product is a single-source drug. A blank in this field indicates that the product is available from more than one source. In those occasional instances when branded products are cross-licensed (e.g., Prinivil and Zestril), each carries the single-source indicator.	CHAR(1)	-	-	RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
STRNGTH	Strength	Supplies the strength of the product. Consistent with FDA nomenclature, the order in which strengths are listed corresponds to the alphabetical order of the active ingredients. Please note that for products containing more than three active ingredients, this field is left blank. For combination products, a hyphen separates the individual strengths of the active ingredients. For example, the strength of acetaminophen with codeine is expressed as 325 mg-30 mg.	CHAR(30)	-	-	RED_BOOK
THERCLS	Therapeutic Class	A 3-digit code that indicates the therapeutic/ pharmacologic category of the drug product. Based on an aggregation of THERDTL values (see below), though not related directly by numeric value (i.e. THERCLS=124 will not correspond to 10-digit THERDTL values beginning with 124).	NUM(3)	See Attachment K - THERCLS	The description is in two parts, with the second part being either the subcategory, or "Not Elsewhere Classified" (NEC). For 1997 data, moving forward. Mapped from ranges of RED BOOK codes.	D, RED_BOOK

Commercial Database
Medicare Database
RED BOOK ® Dictionary

Name	Long Name	Description	SAS Format	Valid Contents	Notes	Tables
THERDTL	Therapeutic Detail Code	A 10-digit hierarchical 2008 RED BOOK ® code that categorizes drugs down to the generic ingredient level. This code is based on the American Hospital Formulary Service Classification Compilation (AHFSCC) Therapeutic Class.	NUM(6)	Each character = 0-9	-	RED_BOOK
THERGRP	Therapeutic Group	Therapeutic Group is a further aggregation of THERCLS (Therapeutic Class) values. See THERCLS and THERDTL.	CHAR(2)	See Attachment L - THERGRP	Mapped from ranges of RED BOOK Therapeutic Class Codes	D, RED_BOOK
THRCLDS	Therapeutic Class Description	Text lookup value for THERCLS (Therapeutic Class)	CHAR(30)	Character 30 variable, left justified	-	RED_BOOK
THRDTDS	Therapeutic Detail Code Description	Text lookup value for THERDTL	CHAR(30)	Character 30 variable, left justified	-	RED_BOOK
THRGRDS	Therapeutic Group Description	Text lookup value for THERGRP	CHAR(30)	Character 30 variable, left justified	-	RED_BOOK