Medicaid Analytic Extract Provider Characteristics (MAXPC)

Record Layout and Data Element Dictionary, 2010

Final Report

May 31, 2013

Deo Bencio

MATHEMATICA
Policy Research

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SPECIAL NOTE TO MAXPC 2010 USERS
05/31/2013

Six states are not included in MAXPC 2010, because their MSIS files were unavailable or contained significant data problems. The six states are:

- Idaho

- Kansas

- Maine

- New Jersey

- North Dakota

- Utah

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ACRONYMS

CMS   Centers for Medicare & Medicaid Services

HIPAA   Health Insurance Portability and Accountability Act

ID   Identification/identifier

IP   Inpatient

LT   Long-term care

MAXPC   MAX Provider Characteristics File

MAX   Medicaid Analytic Extract

MSIS   Medicaid Statistical Information System

NPI   National Provider Identifier

NPPES   National Plan and Provider Enumeration System

OT   Other services

RX   Drug

UPIN   Unique Physician Identification Number

WPC   Washington Publishing Company

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INTRODUCTION

The Medicaid Statistical Information System (MSIS) files, and the corresponding research-friendly Medicaid Analytic Extract (MAX) files, support a wide range of studies on Medicaid enrollment, service use, and expenditures. There is currently considerable interest at the Centers for Medicare & Medicaid Services (CMS) in also examining health reform proposals, program integrity, and access-to-care issues among certain types of Medicaid providers. However, it has not been possible to easily conduct provider-based research activities because the provider identification numbers collected in MSIS were largely unedited, undocumented, and state-specific.

The advent of the Health Insurance Portability and Accountability Act (HIPAA) mandated covered entities such as health care providers, health plans, and health care clearinghouses to obtain and use a National Provider Identifier (NPI) in all administrative and financial HIPAA transactions.[1] The NPI is a unique 10-digit sequentially assigned national identification number, unstructured so as not to carry in any way information such as the state or medical specialty of the health care provider who "owns" the identifier. Beginning in February 2009, states were required to include NPIs on claims they submit to MSIS. The main limitation of NPIs on claims for Medicaid services is that certain classes of nonmedical providers are not required to obtain an NPI. Nonetheless, the availability of the NPI on MSIS claims makes the development of a uniform provider characteristic file more feasible. The MAX Provider Characteristics (MAXPC) file is such a file.

The MAXPC file is built with the basic objective of creating a uniform provider file for each Medicaid provider in MAX, whether the provider is identified using an NPI or a state-defined provider ID (also referred to as legacy provider IDs). MAXPC is built with the following considerations:

- The MAXPC file should supplement or correspond to a set of MAX files.

- Every provider ID in MAX should be in the MAXPC file, including atypical, and nonmedical providers.

- A single, simple methodology should be used to link a provider in the MAX files to a provider in MAXPC.

- The MAXPC file should not replicate any existing database of providers.

- The MAXPC file should be state-specific to ensure that legacy provider IDs, which can have the same values across states, link to the appropriate provider in each state.

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[1] Centers for Medicare & Medicaid Services. "National Provider Identifier (NPI) Overview." Available at http://www.cms.gov/nationalProvidentstand/.

The following table lists the number of unique provider IDs for each state in MAX 2010:

State	Number of Unique Provider IDs	State	Number of Unique Provider IDs
Alabama	68,522	Montana	20,315
Alaska	17,632	Nebraska	38,320
Arizona	76,931	Nevada	33,106
Arkansas	51,573	New Hampshire	32,221
California	1,067,299	New Jersey	-
Colorado	58,162	New Mexico	77,268
Connecticut	71,199	New York	298,536
Delaware	11,409	North Carolina	113,897
District of Columbia	9,815	North Dakota	-
Florida	243,260	Ohio	162,722
Georgia	143,497	Oklahoma	56,220
Hawaii	14,881	Oregon	76,668
Idaho	-	Pennsylvania	173,976
Illinois	239,556	Rhode Island	28,176
Indiana	82,869	South Carolina	41,107
Iowa	81,584	South Dakota	21,962
Kansas	-	Tennessee	138,621
Kentucky	66,201	Texas	190,482
Louisiana	55,484	Utah	-
Maine	-	Vermont	18,704
Maryland	99,424	Virginia	102,658
Massachusetts	119,623	Washington	114,956
Michigan	266,011	West Virginia	53,789
Minnesota	189,753	Wisconsin	63,037
Mississippi	45,552	Wyoming	24,433
Missouri	103,770		

Source: Medicaid Analytic Extract Provider Characteristics file, 2010.

Note: Massachusetts was processed without the full complement of seven quarters of data typically used when processing MAX files.

MAXPC FILE LAYOUT

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER:	ELEMENT NAME:	TYPE:	LENGTH:	BEG:	END:
****	Provider Characteristics Record	REC	471	1	471
1.	Provider Identifier	CHAR	12	1	12
2.	State Code	CHAR	2	13	14
3.	IP Claim NPI Billing Provider	CHAR	1	15	15
4.	IP Claim Legacy Billing Provider	CHAR	1	16	16
5.	LT Claim NPI Billing Provider	CHAR	1	17	17
6.	LT Claim Legacy Billing Provider	CHAR	1	18	18
7.	OT Claim NPI Servicing Provider	CHAR	1	19	19
8.	OT Claim Legacy Billing Provider	CHAR	1	20	20
9.	OT Claim Legacy Servicing Provider	CHAR	1	21	21
10.	RX Claim NPI Billing Provider	CHAR	1	22	22
11.	RX Claim Legacy Billing Provider	CHAR	1	23	23
12.	RX Claim Legacy Prescribing Provider	CHAR	1	24	24
13.	National Provider Identifier (NPI)	CHAR	12	25	36
14.	NPI Source	CHAR	1	37	37
15.	NPPES Type of Provider ID	CHAR	1	38	38
16.	Name Prefix	CHAR	5	39	43
17.	First Name	CHAR	20	44	63
18.	Middle Name	CHAR	20	64	83
19.	Last Name	CHAR	35	84	118
20.	Name Suffix	CHAR	5	119	123
21.	Gender	CHAR	1	124	124
22.	Credential	CHAR	20	125	144
23.	Business Name	CHAR	70	145	214
24.	Business Practice Address Line 1	CHAR	55	215	269
25.	Business Practice Address Line 2	CHAR	55	270	324

DATA ELEMENTS WITH TYPE NUM* ARE IN ZONED DECIMAL (ZD) FORMAT.

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER:	ELEMENT NAME:	TYPE:	LENGTH:	BEG:	END:
26.	Business Practice City	CHAR	40	325	364
27.	Business Practice State	CHAR	2	365	366
28.	Business Practice Zipcode	CHAR	9	367	375
29.	Primary Taxonomy Code	CHAR	10	376	385
30.	Primary Taxonomy Classification	CHAR	2	386	387
31.	Non-Medical Provider	CHAR	1	388	388
32.	Provider Entity Type	CHAR	1	389	389
33.	Sole Proprietor Code	CHAR	1	390	390
34.	Organization Subpart Code	CHAR	1	391	391
35.	Number of IP Claims for Provider	NUM*	8	392	399
36.	Number of Beneficiaries with IP Claims for Provider	NUM*	8	400	407
37.	Number of LT Claims for Provider	NUM*	8	408	415
38.	Number of Beneficiaries with LT Claims for Provider	NUM*	8	416	423
39.	Number of OT Claims for Provider	NUM*	8	424	431
40.	Number of Beneficiaries with OT Claims for Provider	NUM*	8	432	439
41.	Number of RX Claims for Provider	NUM*	8	440	447
42.	Number of Beneficiaries with RX Claims for Provider	NUM*	8	448	455
43.	Number of Any Claims for Provider	NUM*	8	456	463
44.	Number of Beneficiaries with Any Claims for Provider	NUM*	8	464	471

DATA ELEMENTS WITH TYPE NUM* ARE IN ZONED DECIMAL (ZD) FORMAT.

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MAXPC DATA ELEMENT DICTIONARY

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: ****

ELEMENT NAME: **Provider Characteristics Record**

SAS VARIABLE: NONE

TYPE: REC   LENGTH: 471   BEG: 1   END: 471

DESCRIPTION:

A Provider Characteristics Record is constructed for each unique provider identifier (ID) in the four MAX claims files (IP, LT, OT, RX). The MAXPC file contains information for any provider ID found on a claim file using data extracted from the claim and supplemented with data available in the National Plan and Provider Enumeration System file (NPPES) and, when possible, state-provided provider characteristics files.

The source of the provider ID is each provider ID variable in the MAX claims files. Prior to February 2009, this includes the:

* Legacy billing provider ID in the IP, LT, and RX files * Legacy servicing provider ID in the OT file * Legacy prescribing provider ID in the RX file

After February 2009, these additional provider IDs are also available:

* Billing provider National Provider Identifier (NPI) in the IP, LT, and RX files * Servicing provider NPI in the OT files

In cases where the NPI is not the source of the provider ID, a three-step linkage process attempts to obtain the proper NPI corresponding to the legacy provider ID.

The first step determines the NPI for the MAX legacy provider ID code. This is done using a cross-reference file created from the state's MSIS claims from the most recent year. Since states are requested to provide the NPI for a servicing provider (OT only) or billing provider (IP, LT, RX) beginning on 2009 MSIS claims submissions, these files are an accessible source that can be used to determine NPI for a legacy provider ID. If the MAX legacy provider ID can be found in the state's MSIS claims, and the MSIS claim contains the corresponding NPI for the legacy provider ID, the NPI is moved to the Provider Characteristics Record NPI field and the NPI source is set to indicate that the NPI was obtained from the MSIS file.

If the NPI is not found using the most current MSIS claims files for the state, the second step is to link to a cross-reference file constructed from the NPPES file. The NPPES file contains the master list of NPIs but it also contains up to 50 alternate provider IDs and an indicator to denote the assigning agency or system for the number. If the MAX legacy provider ID is located in the NPPES based cross-reference file among either the Medicaid IDs or the Medicare UPINs, the NPPES NPI is moved to the Provider Characteristics Record NPI field and the NPI source is set to indicate that the NPI was obtained from the NPPES.

If the NPI is still unknown, a third attempt to determine the NPI is made by linking to a state-provided cross-reference file of state-specific legacy provider IDs and NPIs. If the MAX legacy provider ID is located in the state-supplied cross-reference file, the state-supplied corresponding NPI is moved to the Provider Characteristics Record NPI field and the NPI source is set to indicate that the NPI was obtained from the state-supplied cross-reference file. Note that for MAXPC 2009, state-provided cross-reference files were only available for three states: Florida, Indiana, and North Carolina.

With NPI now available, the NPPES file is read again, using NPI as the key, to complete the other fields in the MAXPC record. If no linkage is made to NPPES, then a state-provided provider characteristics file will provide the missing information, when possible. If we are unable to link the provider ID to NPPES or the state-provided provider characteristics file, the provider characteristics variables in MAXPC will be filled with either spaces or zeroes, depending on the variable's definition.

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 1.

ELEMENT NAME: **Provider Identifier**

SAS VARIABLE: PRVDR_ID

TYPE: CHAR   LENGTH: 12   BEG: 1   END: 12

DESCRIPTION:

The unique provider identifier originally used in at least one of the provider variables in at least one of the MAX IP, LT, OT, RX claims for the state and year.

Source: Every provider ID variable in MAX, which includes:* Legacy billing providers in IP, LT, and RX files, * Legacy servicing providers in OT files, * Legacy prescribing providers in RX files, * Billing provider NPIs in the IP, LT, RX files,* Servicing provider NPIs in the OT files.

Source: MAX claim, any of the provider ID variables

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 2.

ELEMENT NAME: **State Code**

SAS VARIABLE: STATE_CD

TYPE: CHAR   LENGTH: 2   BEG: 13   END: 14

DESCRIPTION:

State code

Codes:
AL = Alabama
AK = Alaska
AZ = Arizona
AR = Arkansas
AS = American Samoa
CA = California
CO = Colorado
CT = Connecticut
DE = Delaware
DC = District of Columbia
FL = Florida
GA = Georgia
GU = Guam
HI = Hawaii
ID = Idaho
IL = Illinois
IN = Indiana
IA = Iowa
KS = Kansas
KY = Kentucky
LA = Louisiana
ME = Maine
MD = Maryland
MA = Massachusetts
MI = Michigan
MN = Minnesota
MS = Mississippi
MO = Missouri
MT = Montana
NE = Nebraska
NV = Nevada
NH = New Hampshire
NJ = New Jersey
NM = New Mexico
NY = New York
NC = North Carolina
ND = North Dakota
OH = Ohio
OK = Oklahoma
OR = Oregon
PA = Pennsylvania
PR = Puerto Rico
RI = Rhode Island
SC = South Carolina
SD = South Dakota
TN = Tennessee
TX = Texas

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

UT = Utah
VT = Vermont
VI = Virgin Islands
VA = Virginia
WA = Washington
WV = West Virginia
WI = Wisconsin
WY = Wyoming

Source: MAX claim, state code

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 3.

ELEMENT NAME: **IP Claim NPI Billing Provider**

SAS VARIABLE: IP_NPI_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 15   END: 15

DESCRIPTION:

Provider ID in data element 1 originates from an IP billing provider NPI

Codes:
0 = No
1 = Yes

Source: MAX IP claim, billing provider NPI

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 4.

ELEMENT NAME: **IP Claim Legacy Billing Provider**

                              SAS VARIABLE: IP_LEGACY_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 16   END: 16

DESCRIPTION:

        Provider ID in data element 1 originates from an IP legacy billing provider ID

        Codes:
        0 = No
        1 = Yes

        Source: MAX IP claim, legacy billing provider ID

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 5.

ELEMENT NAME: **LT Claim NPI Billing Provider**

SAS VARIABLE: LT_NPI_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 17   END: 17

DESCRIPTION:

Provider ID in data element 1 originates from an LT billing provider NPI

Codes:
0 = No
1 = Yes

Source: MAX LT claim, billing provider NPI

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 6.

ELEMENT NAME: **LT Claim Legacy Billing Provider**

SAS VARIABLE: LT_LEGACY_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 18   END: 18

DESCRIPTION:

Provider ID in data element 1 originates from an LT legacy billing provider ID

Codes:
0 = No
1 = Yes

Source: MAX LT claim, legacy billing provider ID

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 7.

ELEMENT NAME: **OT Claim NPI Servicing Provider**

SAS VARIABLE: OT_NPI_SERVICING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 19   END: 19

DESCRIPTION:

Provider ID in data element 1 originates from an OT servicing provider NPI

Codes:
0 = No
1 = Yes

Source: MAX OT claim, servicing provider NPI

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 8.

ELEMENT NAME: **OT Claim Legacy Billing Provider**

                  SAS VARIABLE: OT_LEGACY_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 20   END: 20

DESCRIPTION:

                  Provider ID in data element 1 originates from an OT legacy billing provider ID

                  Codes:
                  0 = No
                  1 = Yes

                  Source: MAX OT claim, legacy billing provider ID

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 9.

ELEMENT NAME: **OT Claim Legacy Servicing Provider**

SAS VARIABLE: OT_LEGACY_SERVICING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 21   END: 21

DESCRIPTION:

Provider ID in data element 1 originates from an OT legacy servicing provider ID

Codes:
0 = No
1 = Yes

Source: MAX OT claim, legacy servicing provider ID

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 10.

ELEMENT NAME: **RX Claim NPI Billing Provider**

SAS VARIABLE: RX_NPI_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 22   END: 22

DESCRIPTION:

Provider ID in data element 1 originates from an RX billing provider NPI

Codes:
0 = No
1 = Yes

Source: MAX RX claim, billing provider NPI

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 11.

ELEMENT NAME: **RX Claim Legacy Billing Provider**

SAS VARIABLE: RX_LEGACY_BILLING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 23   END: 23

DESCRIPTION:

Provider ID in data element 1 originates from an RX legacy billing provider ID

Codes:
0 = No
1 = Yes

Source: MAX RX claim, legacy billing provider ID

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 12.

ELEMENT NAME: **RX Claim Legacy Prescribing Provider**

SAS VARIABLE: RX_LEGACY_PRESCRIBING_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 24   END: 24

DESCRIPTION:

Provider ID in data element 1 originates from an RX legacy prescribing provider ID

Codes:
0 = No
1 = Yes

Source: MAX RX claim, legacy prescribing provider ID

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 13.

ELEMENT NAME: **National Provider Identifier (NPI)**

SAS VARIABLE: NPI

TYPE: CHAR   LENGTH: 12   BEG: 25   END: 36

DESCRIPTION:

National provider identifier (NPI)

Source: Three possible sources:

* MSIS claim (Feb 2009 onward)* NPPES* State-provided cross-reference file

Note: The NPI is usually 10 characters but the MSIS NPI is defined as 12 characters.

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 14.

ELEMENT NAME: **NPI Source**

SAS VARIABLE: NPI_SOURCE

TYPE: CHAR   LENGTH: 1   BEG: 37   END: 37

DESCRIPTION:

NPI Source

Codes:
0 = No NPI
1 = MSIS
2 = NPPES
3 = State cross-reference file

Source: MAXPC system

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 15.

ELEMENT NAME: **NPPES Type of Provider ID**

               SAS VARIABLE: NPPES_PRVDR_ID_TYPE

TYPE: CHAR   LENGTH: 1   BEG: 38   END: 38

DESCRIPTION:

               NPPES Type of Provider ID

               Codes:
               0 = Not linked to NPPES
               1 = NPI
               2 = Medicaid legacy provider ID
               3 = Medicare UPIN
               4 = Not linked to NPPES / Linked to State Provider File

               Source: MAXPC System

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 16.

ELEMENT NAME: **Name Prefix**

SAS VARIABLE: NAME_PREFIX

TYPE: CHAR   LENGTH: 5   BEG: 39   END: 43

DESCRIPTION:

Prefix of provider's name

Source: NPPES or state-provided provider characteristics file

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 17.

ELEMENT NAME: **First Name**

SAS VARIABLE: FIRST_NAME

TYPE: CHAR   LENGTH: 20   BEG: 44   END: 63

DESCRIPTION:

Provider's first name

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 18.

ELEMENT NAME: **Middle Name**

SAS VARIABLE: MIDDLE_NAME

TYPE: CHAR   LENGTH: 20   BEG: 64   END: 83

DESCRIPTION:

Provider's middle name

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 19.

ELEMENT NAME: **Last Name**

                        SAS VARIABLE: LAST_NAME

TYPE: CHAR   LENGTH: 35   BEG: 84   END: 118

DESCRIPTION:

    Provider's last name

    Source: NPPES or state-provided provider characteristics file

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 20.

ELEMENT NAME: **Name Suffix**

SAS VARIABLE: NAME_SUFFIX

TYPE: CHAR   LENGTH: 5   BEG: 119   END: 123

DESCRIPTION:

Suffix of provider's name

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 21.

ELEMENT NAME: **Gender**

SAS VARIABLE: GENDER

TYPE: CHAR   LENGTH: 1   BEG: 124   END: 124

DESCRIPTION:

Provider's Gender

Codes:space = Not linked to NPPES
F = Female
M = Male

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 22.

ELEMENT NAME: **Credential**

SAS VARIABLE: CREDENTIAL

TYPE: CHAR   LENGTH: 20   BEG: 125   END: 144

DESCRIPTION:

Provider's credential

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 23.

ELEMENT NAME: **Business Name**

SAS VARIABLE: BUSINESS_NAME

TYPE: CHAR   LENGTH: 70   BEG: 145   END: 214

DESCRIPTION:

Provider's business name

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 24.

ELEMENT NAME: **Business Practice Address Line 1**

SAS VARIABLE: BUSINESS_ADDRESS_1

TYPE: CHAR   LENGTH: 55   BEG: 215   END: 269

DESCRIPTION:

Provider's business practice address (line 1)

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 25.

ELEMENT NAME: **Business Practice Address Line 2**

SAS VARIABLE: BUSINESS_ADDRESS_2

TYPE: CHAR   LENGTH: 55   BEG: 270   END: 324

DESCRIPTION:

Provider's business practice address (line 2)

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 26.

ELEMENT NAME: **Business Practice City**

SAS VARIABLE: BUSINESS_CITY

TYPE: CHAR   LENGTH: 40   BEG: 325   END: 364

DESCRIPTION:

Provider's business practice city

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 27.

ELEMENT NAME: **Business Practice State**

SAS VARIABLE: BUSINESS_STATE

TYPE: CHAR   LENGTH: 2   BEG: 365   END: 366

DESCRIPTION:

Provider's business practice state code

Codes:
AL = Alabama
AK = Alaska
AZ = Arizona
AR = Arkansas
AS = American Samoa
CA = California
CO = Colorado
CT = Connecticut
DE = Delaware
DC = District of Columbia
FL = Florida
GA = Georgia
GU = Guam
HI = Hawaii
ID = Idaho
IL = Illinois
IN = Indiana
IA = Iowa
KS = Kansas
KY = Kentucky
LA = Louisiana
ME = Maine
MD = Maryland
MA = Massachusetts
MI = Michigan
MN = Minnesota
MS = Mississippi
MO = Missouri
MT = Montana
NE = Nebraska
NV = Nevada
NH = New Hampshire
NJ = New Jersey
NM = New Mexico
NY = New York
NC = North Carolina
ND = North Dakota
OH = Ohio
OK = Oklahoma
OR = Oregon
PA = Pennsylvania
PR = Puerto Rico
RI = Rhode Island
SC = South Carolina
SD = South Dakota
TN = Tennessee
TX = Texas

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

UT = Utah
VT = Vermont
VI = Virgin Islands
VA = Virginia
WA = Washington
WV = West Virginia
WI = Wisconsin
WY = Wyoming

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 28.

ELEMENT NAME: **Business Practice Zipcode**

SAS VARIABLE: BUSINESS_ZIP_CD

TYPE: CHAR   LENGTH: 9   BEG: 367   END: 375

DESCRIPTION:

Provider's business practice zipcode

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 29.

ELEMENT NAME: **Primary Taxonomy Code**

SAS VARIABLE: PRIMARY_TAXONOMY_CD

TYPE: CHAR   LENGTH: 10   BEG: 376   END: 385

DESCRIPTION:

Primary taxonomy code

Codes: See www.wpc-edi.com/codes/taxonomy for possible values

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 30.

ELEMENT NAME: **Primary Taxonomy Classification**

SAS VARIABLE: PRIMARY_TAXONOMY_CLASS

TYPE: CHAR   LENGTH: 2   BEG: 386   END: 387

DESCRIPTION:

Primary taxonomy classification

Codes:
00 = Not linked to NPPES Individual or Group of Individuals
01 = Allopathic & Osteopathic Physicians
02 = Behavioral Health & Social Service Providers
03 = Chiropractic Providers
04 = Dental Providers
05 = Dietary & Nutritional Service Providers
06 = Emergency Medical Service Providers
07 = Eye and Vision Services Providers
08 = Nursing Service Providers
09 = Nursing Service Related Providers
10 = Other Service Providers
11 = Pharmacy Service Providers
12 = Physician Assistants & Advanced Practice Nursing Providers
13 = Podiatric Medicine & Surgery Service Providers
14 = Respiratory, Developmental, Rehabilitative and Restorative Service Providers
15 = Speech, Language and Hearing Service Providers
16 = Student, Health Care
17 = Technologists, Technicians & Other Technical Service Providers Non-Individuals
18 = Agencies
19 = Ambulatory Health Care Facilities
20 = Hospital Units
21 = Hospitals
22 = Laboratories
23 = Managed Care Organizations
24 = Nursing & Custodial Care Facilities
25 = Residential Treatment Facilities
26 = Respite Care Facility
27 = Suppliers
28 = Transportation Services
29 = GROUP with multi- or single specialy

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 31.

ELEMENT NAME: **Non-Medical Provider**

SAS VARIABLE: NON_MEDICAL_PRVDR

TYPE: CHAR   LENGTH: 1   BEG: 388   END: 388

DESCRIPTION:

Non-medical provider

Codes:
0 = Not linked to NPPES or state
1 = Non-medical (atypical) provider
2 = Medical provider
9 = Unkown

Source: MAXPC System

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 32.

ELEMENT NAME: **Provider Entity Type**

SAS VARIABLE: PRVDR_ENTITY_TYPE

TYPE: CHAR   LENGTH: 1   BEG: 389   END: 389

DESCRIPTION:

Provider entity type

Codes:
0 = Not linked to NPPES
1 = Individual
2 = Organization

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 33.

ELEMENT NAME: **Sole Proprietor Code**

SAS VARIABLE: SOLE_PROPRIETOR_CD

TYPE: CHAR   LENGTH: 1   BEG: 390   END: 390

DESCRIPTION:

Sole proprietor code

Codes:
0 = Not linked to NPPES
Y = Sole proprietorship
N = Not a sole proprietorship
X = Not answered

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 34.

ELEMENT NAME: **Organization Subpart Code**

SAS VARIABLE: SUBPART_CD

TYPE: CHAR   LENGTH: 1   BEG: 391   END: 391

DESCRIPTION:

Organization subpart code

Codes:
0 = Not linked to NPPES
Y = Organization is a subpart
N = Organization is not a subpart
X = Not answered

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 35.

ELEMENT NAME: **Number of IP Claims for Provider**

SAS VARIABLE: IPCLMS

TYPE: NUM*   LENGTH: 8   BEG: 392   END: 399

DESCRIPTION:

Number of Inpatient Hospital claims in which provider ID appears either as a billing or servicing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX IP Claims file

**MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD**

ELEMENT NUMBER: 36.

ELEMENT NAME: **Number of Beneficiaries with IP Claims for Provider**

SAS VARIABLE: IPCLNTS

TYPE: NUM*   LENGTH: 8   BEG: 400   END: 407

DESCRIPTION:

Number of unique beneficiaries of IP claims in which provider ID appears either as a billing or servicing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX IP Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 37.

ELEMENT NAME: **Number of LT Claims for Provider**

SAS VARIABLE: LTCLMS

TYPE: NUM*   LENGTH: 8   BEG: 408   END: 415

DESCRIPTION:

Number of LT claims in which provider ID appears either as a billing or servicing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX LT Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 38.

ELEMENT NAME: **Number of Beneficiaries with LT Claims for Provider**

SAS VARIABLE: LTCLNTS

TYPE: NUM*   LENGTH: 8   BEG: 416   END: 423

DESCRIPTION:

Number of unique beneficiaries of LT claims in which provider ID appears either as a billing or servicing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX LT Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 39.

ELEMENT NAME: **Number of OT Claims for Provider**

SAS VARIABLE: OTCLMS

TYPE: NUM*   LENGTH: 8   BEG: 424   END: 431

DESCRIPTION:

Number of OTclaims in which provider ID appears either as a billing or servicing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX OT Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 40.

ELEMENT NAME: **Number of Beneficiaries with OT Claims for Provider**

SAS VARIABLE: OTCLNTS

TYPE: NUM*   LENGTH: 8   BEG: 432   END: 439

DESCRIPTION:

Number of unique beneficiaries of OT claims in which provider ID appears either as a billing or servicing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX OT Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 41.

ELEMENT NAME: **Number of RX Claims for Provider**

SAS VARIABLE: RXCLMS

TYPE: NUM*   LENGTH: 8   BEG: 440   END: 447

DESCRIPTION:

Number of RX claims in which provider ID appears either as a billing, servicing, or prescribing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX RX Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 42.

ELEMENT NAME: **Number of Beneficiaries with RX Claims for Provider**

SAS VARIABLE: RXCLNTS

TYPE: NUM*   LENGTH: 8   BEG: 448   END: 455

DESCRIPTION:

Number of unique beneficiaries of RX claims in which provider ID appears either as a billing, servicing, or prescribing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX RX Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 43.

ELEMENT NAME: **Number of Any Claims for Provider**

SAS VARIABLE: CLAIMS

TYPE: NUM*   LENGTH: 8   BEG: 456   END: 463

DESCRIPTION:

Number of any claims in which provider ID appears either as a billing, servicing, or prescribing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX Claims file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2010)
PROVIDER CHARACTERISTICS (MAXPC) RECORD

ELEMENT NUMBER: 44.

ELEMENT NAME: **Number of Beneficiaries with Any Claims for Provider**

SAS VARIABLE: CLIENTS

TYPE: NUM*   LENGTH: 8   BEG: 464   END: 471

DESCRIPTION:

Number of unique beneficiaries of any claims in which provider ID appears either as a billing, servicing, or prescribing provider

* 8 digits signed (SAS USERS: Zoned Decimal - ZD8)

Source: MAX Claims file

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