

**Medicaid Analytic Extract
Provider Characteristics
(MAXPC)**

**Record Layout and Data Element
Dictionary, 2011**

Final Report

June 28, 2013

Deo Bencio



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Policy Research

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SPECIAL NOTE TO MAXPC 2011 USERS
06/28/2013

Sixteen states are not included in MAXPC 2011 because their MSIS files were unavailable or contained significant data problems at the production cut-off date of May 15, 2013. The cut-off date was established to provide time to produce the MAXPC deliverables by the contractual deadlines. The 16 states are:

- Arizona
- California
- Colorado
- Florida
- Idaho
- Kansas
- Maine
- Massachusetts
- Nebraska
- New Hampshire
- New Jersey
- New Mexico
- North Dakota
- Ohio
- Rhode Island
- Utah

The following states were processed without the full complement of seven quarters of data typically used when processing MAX files. Records excluded are IP, LT, OT, and RX claims with service dates in 2011 that were adjudicated in FFY 2012 Q4.

- District of Columbia
- Hawaii
- Indiana
- Maryland
- New York
- West Virginia

The following states were also processed without the full complement of data. Along with the excluded records described above, we excluded similar records that were adjudicated in FFY 2012 Q3.

- Illinois
- Minnesota
- Texas
- Vermont

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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.

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 2011:

State	Number of Unique Provider IDs	State	Number of Unique Provider IDs
Alabama	71,940	Montana	21,029
Alaska	24,328	Nebraska	NA
Arizona	NA	Nevada	37,294
Arkansas	55,429	New Hampshire	NA
California	NA	New Jersey	NA
Colorado	NA	New Mexico	NA
Connecticut	74,789	New York	293,377
Delaware	12,743	North Carolina	116,055
District of Columbia	11,538	North Dakota	NA
Florida	NA	Ohio	NA
Georgia	159,948	Oklahoma	67,632
Hawaii	14,662	Oregon	80,852
Idaho	NA	Pennsylvania	166,290
Illinois	211,070	Rhode Island	NA
Indiana	83,862	South Carolina	73,199
Iowa	85,724	South Dakota	24,841
Kansas	NA	Tennessee	139,182
Kentucky	69,241	Texas	199,342
Louisiana	56,931	Utah	NA
Maine	NA	Vermont	19,304
Maryland	104,685	Virginia	105,385
Massachusetts	NA	Washington	113,772
Michigan	250,224	West Virginia	53,692
Minnesota	190,520	Wisconsin	64,079
Mississippi	48,210	Wyoming	26,265
Missouri	108,690		

Source: Medicaid Analytic Extract Provider Characteristics file, 2011.

Note: The District of Columbia, Hawaii, Illinois, Indiana, Maryland, Minnesota, New York, Texas, Vermont, and West Virginia were processed without the full complement of seven quarters of data typically used when processing MAX files.

MAXPC FILE LAYOUT

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2011)
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 (2011)
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 (2011) 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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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: NPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2011)
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 (2011)
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 (2011)
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 (2011)
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: NPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011) 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 specialty

Source: NPPES or state-provided provider characteristics file

MEDICAID ANALYTIC EXTRACT RECORD LAYOUT (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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 (2011)
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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