

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

Validation Tables, 2009

Final Report

September 28, 2012

Deo Bencio

Mei-ling Mason



MATHEMATICA
Policy Research

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Submitted to:
Centers for Medicare & Medicaid Services
7111 Security Boulevard, B2-27-00
Baltimore, MD 21244-1850
Project Officer: Cara Petroski

Submitted by:
Mathematica Policy Research
1100 1st Street, NE
12th Floor
Washington, DC 20002-4221
Telephone: (202) 484-9220
Facsimile: (202) 863-1763
Project Director: Julie Sykes

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SPECIAL NOTE TO MAXPC 2009 USERS
9/28/2012

The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

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ACRONYMS

CMS	Centers for Medicare & Medicaid Services
CY	Calendar year
FY	Federal fiscal year
HIPAA	Health Insurance Portability and Accountability Act
ID	Identification/identifier
IP	Inpatient
LT	Long-term care
MAX	Medicaid Analytic Extract
MAXPC	MAX Provider Characteristics File
MSIS	Medicaid Statistical Information System
NPI	National Provider Identifier
NPPES	National Plan and Provider Enumeration System
OT	Other services
RX	Drug
STBK	MSIS State Backup File
UPIN	Unique Physician Identification Number

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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 are 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 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 submitted to MSIS. The main limitation of this identifier, however, 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.

Once the state’s MAXPC file is created, validation tables are produced. Validation tables are designed as a diagnostic tool to determine whether linkages are working in the expected manner. There are two sets of validation tables: state-specific and cross-state² tables. Both sets contain the exact same measures (the rows). The state-specific tables focus on one state; as more MAXPC files are created over time, these tables will be used to monitor changes to measures longitudinally. The cross-state tables focus on a single year of data, but will include one column for every state; they are useful in determining linkage issues that are unusual or unique to certain states.

Validation tables consist of a set of seven tables. The first six tables focus on provider ID types in the IP, LT, OT, and RX files. These provider types are: IP billing, LT billing, OT servicing, OT billing, RX billing, and RX prescribing provider IDs. The seventh table examines all provider IDs in all of the files. Each file-specific validation table is used to detect linkage issues that are peculiar to a given file type. The all-provider table is used to monitor the overall quality of the linkages of all provider IDs. The design of the validation tables is very similar across file types. The measures are grouped into seven sections as denoted by the shaded rows.

¹ CMS. “National Provider Identifier (NPI) Overview.” Available at <http://www.cms.gov/nationalProvIdentstand/>.

² For MAXPC 2009, only the cross-state tables will be included in these validation reports because the state-specific tables only contain one year of data, therefore no changes can be measured longitudinally. File year 2009 is the first year for which the MAXPC files are being produced.

The first section describes measures for each unique provider in the file. The second section focuses on the source of NPIs. The third section focuses on provider IDs that link to NPDES, followed by a section for provider IDs that link to state provider files. The fifth section focuses on the primary taxonomy of providers that link to NPDES. Among providers, taxonomies are classified into two groups: (1) individuals or groups of individuals, and (2) nonindividuals. The sixth section focuses on individual providers showing their sole proprietorship status. Finally, the seventh section focuses on provider organizations and their ownership status.

The columns in the state-specific tables describe the annual statistics and, when available, expected ranges of values for up to three years, followed by a column describing the percentage change between year one and year two, and finally, a column describing the percentage change between year two and year three. These latter columns will be fully functional as more MAXPC files are created across time. The columns in the cross-state tables will be the state-specific statistics.

The primary source of the information in the MAXPC 2009 files is supposed to be the MAX 2009 claims files. Unfortunately, during the creation of the MAXPC 2009 files, we discovered that the provider IDs in the MSIS claims files, which are input to MAX, were corrupted. Fortunately, the state backup copies of the MSIS files were not corrupted, so we used those files as the input files for MAXPC. In addition to the provider IDs, the following fields in the MAXPC file were derived from the state backup files:

- Number of IP Claims for Provider
- Number of Beneficiaries with IP Claims for Provider
- Number of LT Claims for Provider
- Number of Beneficiaries with LT Claims for Provider
- Number of OT Claims for Provider
- Number of Beneficiaries with OT Claims for Provider
- Number of RX Claims for provider
- Number of Beneficiaries with RX Claims for Provider.

All of these measures were based on original, unadjusted claims.

2009 MAXPC CROSS-STATE VALIDATION TABLES

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2009 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
IP Providers													
Number of provider IDs	573	99	945	485	2,923	421	681	44	195	3,396	756	223	431
% billing provider on IP claim	50.3	100.0	49.9	55.7	100.0	49.4	50.1	100.0	45.1	52.4	100.0	52.0	61.5
% NPI billing provider on IP claim	49.7	99.0	50.1	44.3	84.7	50.6	49.9	97.7	54.9	47.6	95.5	48.0	38.5
% also a provider on LT claim	2.1	9.1	4.4	0.6	3.7	1.4	0.3	2.3	7.2	34.9	6.2	48.0	24.1
% also a provider on OT claim	82.7	68.7	79.7	54.2	79.9	63.4	30.0	75.0	76.9	94.4	93.1	79.4	34.3
% also a provider on RX claim	0.0	0.0	6.2	0.6	6.8	4.3	0.4	4.5	13.8	3.7	1.2	10.8	0.9
% provider IDs with NPI	100.0	99.0	99.9	88.0	85.2	92.6	99.6	97.7	88.7	97.1	95.8	89.7	89.6
% provider IDs linked to NPPES	100.0	96.0	99.9	88.0	32.6	92.6	99.6	97.7	75.9	96.9	95.6	89.7	89.6
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of IP claims	548.7	213.7	558.4	530.8	349.6	357.2	786.2	266.5	324.5	359.3	435.8	251.8	157.2
average number of beneficiaries with IP claims	429.3	181.4	450.3	433.8	239.3	298.1	403.6	222.0	241.5	266.6	368.4	157.7	132.3
Provider IDs with NPI													
Number of provider IDs with NPI	573	98	944	427	2,490	390	678	43	173	3,299	724	200	386
% NPI source = MSIS	100.0	100.0	100.0	98.4	99.4	96.2	100.0	100.0	99.4	99.7	99.9	99.5	99.0
% NPI source = NPPES	0.0	0.0	0.0	1.6	0.6	3.8	0.0	0.0	0.6	0.3	0.1	0.5	1.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	573	95	944	427	954	390	678	43	148	3,291	723	200	386
% linked via NPI	100.0	100.0	100.0	98.4	98.4	96.2	100.0	100.0	99.3	99.7	99.9	99.5	99.0
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	1.6	0.9	3.8	0.0	0.0	0.7	0.3	0.1	0.5	1.0
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	10.4	4.0	0.0
% with first name	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	16.6	6.5	0.0
% with middle name	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.6	13.6	5.0	0.0
% with last name	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	16.6	6.5	0.0
% with name suffix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
% male	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	7.7	3.5	0.0
% female	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	8.9	3.0	0.0
% with credential	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	16.6	6.5	0.0
% with business name	100.0	100.0	100.0	100.0	99.4	100.0	100.0	100.0	100.0	99.4	83.4	93.5	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = IP state code	40.7	33.7	35.0	45.2	40.5	43.1	18.3	20.9	23.6	56.3	45.1	88.0	45.3
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	100.0	100.0	99.6	98.6	99.6	99.2	100.0	100.0	100.0	99.6	100.0	100.0	100.0
% with provider entity type = individual	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	16.6	6.5	0.0
% with provider entity type = organization	100.0	100.0	100.0	100.0	99.4	100.0	100.0	100.0	100.0	99.4	83.4	93.5	100.0

[illegible]

2009 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	0	0	0	0	6	0	0	0	0	20	120	13	0
% a sole proprietorship	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	40.0	41.7	30.8	0.0
% not a sole proprietorship	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	40.0	50.8	69.2	0.0
% not answered	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	20.0	7.5	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	573	95	944	427	948	390	678	43	148	3,271	603	187	386
% organization is a subpart	6.6	13.7	11.9	4.7	12.9	13.1	5.6	7.0	3.4	10.4	7.0	9.6	11.4
% organization is not a subpart	82.2	76.8	70.4	81.0	73.0	73.8	74.8	79.1	92.6	76.5	79.3	57.2	75.4
% not answered	11.2	9.5	17.7	14.3	14.1	13.1	19.6	14.0	4.1	13.1	13.8	33.2	13.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
IP Providers													
Number of provider IDs	1,349	837	749	722	702	1,199	161	461	537	1,154	805	628	896
% billing provider on IP claim	45.7	48.4	50.1	51.2	50.3	40.2	100.0	52.9	57.2	72.4	50.1	50.0	52.3
% NPI billing provider on IP claim	54.3	51.6	49.9	48.8	49.7	59.8	0.0	47.1	42.8	31.3	49.9	50.0	47.7
% also a provider on LT claim	0.7	7.3	0.5	0.6	0.7	2.3	0.0	4.6	0.2	21.1	14.3	9.1	0.0
% also a provider on OT claim	88.9	91.3	63.0	54.6	76.9	69.8	75.8	80.0	65.7	66.0	86.6	81.5	91.6
% also a provider on RX claim	13.1	11.6	7.3	0.3	2.7	10.3	0.0	13.9	17.5	15.1	7.1	16.6	49.1
% provider IDs with NPI	91.0	100.0	99.2	98.3	99.9	88.8	9.3	93.3	89.8	84.2	90.9	99.4	83.3
% provider IDs linked to NPPES	91.0	100.0	98.7	98.3	99.9	77.6	9.3	93.1	89.8	83.5	90.8	99.4	81.6
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of IP claims	674.5	442.2	223.6	244.0	467.1	521.8	222.8	693.4	592.6	191.8	277.0	464.0	322.3
average number of beneficiaries with IP claims	487.0	372.8	184.5	180.5	348.7	362.3	158.8	463.0	460.8	152.4	218.0	360.0	237.2
Provider IDs with NPI													
Number of provider IDs with NPI	1,227	837	743	710	701	1,065	15	430	482	972	732	624	746
% NPI source = MSIS	100.0	95.7	99.1	99.0	100.0	100.0	0.0	97.2	95.0	99.0	94.7	99.8	94.9
% NPI source = NPPES	0.0	0.4	0.9	1.0	0.0	0.0	100.0	2.8	5.0	1.0	5.3	0.2	5.1
% NPI source = state cross-reference file	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	1,227	837	739	710	701	930	15	429	482	964	731	624	731
% linked via NPI	100.0	99.6	99.1	99.0	100.0	100.0	0.0	97.2	95.0	99.0	94.7	99.8	94.8
% linked via Medicaid legacy provider ID	0.0	0.4	0.9	1.0	0.0	0.0	100.0	2.8	5.0	0.9	5.3	0.2	5.2
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
% with name prefix	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.0	3.6
% with first name	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.1	0.0	5.7
% with middle name	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	5.1
% with last name	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.1	0.0	5.7
% with name suffix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
% male	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.0	4.8
% female	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	1.0
% with credential	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.1	0.0	5.5
% with business name	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	99.5	99.9	100.0	94.3
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = IP state code	34.7	47.6	35.7	51.0	31.5	38.8	93.3	33.1	51.5	62.4	40.6	47.8	69.9
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.5	100.0	99.7	100.0	100.0	99.2	100.0	97.2	100.0	99.7	99.7	100.0	99.3
% with provider entity type = individual	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.1	0.0	5.7
% with provider entity type = organization	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	99.5	99.9	100.0	94.3

2009 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

[illegible]

2009 MAX IP Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	0	0	0	0	0	2	0	0	0	5	1	0	42
% a sole proprietorship	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0
% not a sole proprietorship	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	60.0	100.0	0.0	42.9
% not answered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	7.1
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,227	837	739	710	701	928	15	429	482	959	730	624	689
% organization is a subpart	10.9	10.4	7.0	6.6	9.3	10.2	0.0	6.3	11.4	10.0	9.9	11.7	13.4
% organization is not a subpart	72.8	76.1	82.4	76.6	77.6	77.3	100.0	82.5	74.1	75.7	79.2	74.8	71.1
% not answered	16.3	13.5	10.6	16.8	13.1	12.5	0.0	11.2	14.5	14.3	11.0	13.5	15.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

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1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
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4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
IP Providers													
Number of provider IDs	326	261	393	184	849	938	2,775	672	214	835	844	337	858
% billing provider on IP claim	50.3	100.0	51.9	67.4	65.6	64.1	46.9	49.3	53.3	50.5	50.1	54.9	51.4
% NPI billing provider on IP claim	49.7	0.0	48.1	32.6	34.4	35.9	53.1	50.7	46.7	49.5	49.9	45.1	48.6
% also a provider on LT claim	3.1	24.9	3.8	10.3	1.6	6.8	30.5	0.6	0.5	0.1	0.2	8.3	0.1
% also a provider on OT claim	86.5	80.5	47.6	55.4	81.6	78.4	79.2	81.0	83.6	79.2	74.1	55.8	80.1
% also a provider on RX claim	2.1	8.0	3.1	0.0	11.9	3.6	3.4	10.1	3.3	15.8	0.1	19.9	4.5
% provider IDs with NPI	100.0	7.7	100.0	66.3	71.1	98.9	88.6	100.0	87.9	87.2	99.8	93.5	99.0
% provider IDs linked to NPPES	100.0	7.7	100.0	1.1	70.0	98.3	87.7	99.1	87.9	9.8	99.8	93.5	98.7
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
average number of IP claims	152.1	201.0	237.8	197.3	312.3	176.0	1,569.3	1,057.2	138.2	360.8	400.0	386.3	286.0
average number of beneficiaries with IP claims	122.4	138.3	171.0	165.3	240.3	143.4	610.3	860.5	112.7	280.8	320.2	331.6	240.9
Provider IDs with NPI													
Number of provider IDs with NPI	326	20	393	122	604	928	2,458	672	188	728	842	315	849
% NPI source = MSIS	100.0	0.0	100.0	98.4	92.9	100.0	96.9	89.9	100.0	88.7	99.9	97.5	100.0
% NPI source = NPPES	0.0	100.0	0.0	1.6	7.1	0.0	3.1	4.6	0.0	11.3	0.1	2.5	0.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	326	20	393	2	594	922	2,435	666	188	82	842	315	847
% linked via NPI	100.0	0.0	100.0	0.0	92.8	100.0	96.8	95.3	100.0	0.0	99.9	97.5	100.0
% linked via Medicaid legacy provider ID	0.0	100.0	0.0	100.0	7.2	0.0	3.1	4.7	0.0	100.0	0.1	1.6	0.0
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
% with name prefix	0.0	5.0	0.0	0.0	2.2	0.4	0.1	0.0	0.0	0.0	0.0	0.3	0.0
% with first name	0.0	15.0	0.0	0.0	3.9	0.9	0.4	0.0	0.0	1.2	0.0	0.6	0.0
% with middle name	0.0	15.0	0.0	0.0	2.5	0.9	0.3	0.0	0.0	1.2	0.0	0.6	0.0
% with last name	0.0	15.0	0.0	0.0	3.9	0.9	0.4	0.0	0.0	1.2	0.0	0.6	0.0
% with name suffix	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% male	0.0	15.0	0.0	0.0	2.4	0.7	0.2	0.0	0.0	0.0	0.0	0.3	0.0
% female	0.0	0.0	0.0	0.0	1.5	0.2	0.2	0.0	0.0	1.2	0.0	0.3	0.0
% with credential	0.0	15.0	0.0	0.0	3.7	0.9	0.4	0.0	0.0	1.2	0.0	0.6	0.0
% with business name	100.0	85.0	100.0	100.0	96.1	99.1	99.6	100.0	100.0	98.8	100.0	99.4	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = IP state code	43.6	70.0	45.5	50.0	44.6	32.0	50.8	53.5	62.2	84.1	42.6	50.2	60.8
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.4	100.0	100.0	100.0	99.3	99.6	99.0	100.0	100.0	100.0	100.0	100.0	100.0
% with provider entity type = individual	0.0	15.0	0.0	0.0	3.9	0.9	0.4	0.0	0.0	1.2	0.0	0.6	0.0
% with provider entity type = organization	100.0	85.0	100.0	100.0	96.1	99.1	99.6	100.0	100.0	98.8	100.0	99.4	100.0

[illegible]

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	0	3	0	0	23	8	9	0	0	1	0	2	0
% a sole proprietorship	0.0	33.3	0.0	0.0	26.1	25.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
% not a sole proprietorship	0.0	66.7	0.0	0.0	69.6	25.0	77.8	0.0	0.0	100.0	0.0	100.0	0.0
% not answered	0.0	0.0	0.0	0.0	4.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	326	17	393	2	571	914	2,426	666	188	81	842	313	847
% organization is a subpart	8.9	17.6	9.9	0.0	12.1	12.7	10.9	12.3	8.0	6.2	8.3	17.6	8.6
% organization is not a subpart	78.2	58.8	84.0	50.0	70.8	73.0	68.1	74.9	76.1	76.5	83.3	77.6	75.8
% not answered	12.9	23.5	6.1	50.0	17.2	14.3	21.0	12.8	16.0	17.3	8.4	4.8	15.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

- Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
- Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
- New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
- Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
- Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
- Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
IP Providers												
Number of provider IDs	1,149	222	356	1,772	1,130	226	213	1,291	682	484	392	275
% billing provider on IP claim	100.0	100.0	50.6	47.3	79.6	55.3	49.8	100.0	67.2	50.2	99.5	51.3
% NPI billing provider on IP claim	4.5	100.0	49.4	52.7	75.2	44.7	50.2	100.0	32.8	49.8	97.2	48.7
% also a provider on LT claim	0.0	4.1	1.7	37.9	13.5	6.2	10.8	21.5	4.8	1.4	0.5	20.0
% also a provider on OT claim	88.3	69.4	38.5	90.0	72.2	74.8	41.3	68.8	81.8	85.5	90.8	47.3
% also a provider on RX claim	1.3	5.9	0.3	0.2	0.0	4.0	0.0	11.7	2.9	12.2	11.2	3.6
% provider IDs with NPI	6.2	100.0	100.0	92.8	75.3	92.5	98.6	100.0	79.9	99.6	97.4	100.0
% provider IDs linked to NPPES	6.2	99.5	100.0	92.7	54.8	92.5	98.6	99.5	79.9	99.6	97.4	100.0
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of IP claims	101.2	487.6	135.9	316.6	861.4	411.5	178.8	403.1	361.8	267.9	422.0	117.6
average number of beneficiaries with IP claims	41.9	405.8	116.2	214.3	691.6	376.1	128.1	184.9	277.6	174.5	315.2	96.0
Provider IDs with NPI												
Number of provider IDs with NPI	71	222	356	1,644	851	209	210	1,291	545	482	382	275
% NPI source = MSIS	73.2	100.0	99.7	100.0	100.0	100.0	100.0	100.0	99.8	99.8	100.0	100.0
% NPI source = NPPES	26.8	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	71	221	356	1,642	619	209	210	1,285	545	482	382	275
% linked via NPI	73.2	100.0	99.7	100.0	100.0	100.0	100.0	100.0	99.8	99.8	100.0	100.0
% linked via Medicaid legacy provider ID	4.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% linked via Medicare UPIN	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
% with name prefix	8.5	0.0	0.0	0.2	1.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0
% with first name	16.9	0.0	0.0	0.7	3.6	0.0	0.0	0.1	1.3	0.0	0.0	0.0
% with middle name	14.1	0.0	0.0	0.5	3.1	0.0	0.0	0.0	1.1	0.0	0.0	0.0
% with last name	16.9	0.0	0.0	0.7	3.6	0.0	0.0	0.1	1.3	0.0	0.0	0.0
% with name suffix	1.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% male	9.9	0.0	0.0	0.4	2.3	0.0	0.0	0.0	1.1	0.0	0.0	0.0
% female	7.0	0.0	0.0	0.4	1.3	0.0	0.0	0.1	0.2	0.0	0.0	0.0
% with credential	16.9	0.0	0.0	0.7	3.4	0.0	0.0	0.1	1.1	0.0	0.0	0.0
% with business name	83.1	100.0	100.0	99.3	96.4	100.0	100.0	99.9	98.7	100.0	100.0	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = IP state code	26.8	38.9	42.1	59.9	63.5	52.2	24.3	53.7	63.3	28.0	38.2	26.9
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.6	100.0	100.0	98.5	99.5	100.0	100.0	99.3	99.6	100.0	100.0	99.6
% with provider entity type = individual	16.9	0.0	0.0	0.7	3.6	0.0	0.0	0.1	1.3	0.0	0.0	0.0
% with provider entity type = organization	83.1	100.0	100.0	99.3	96.4	100.0	100.0	99.9	98.7	100.0	100.0	100.0

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with or without NPI but linked to state provider file												
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	70	222	356	1,620	622	209	210	1,282	543	482	382	274
% individual or group of individuals	18.6	2.7	1.1	2.5	5.3	1.0	0.0	4.7	2.4	0.0	0.5	0.4
% allopathic and osteopathic physicians	7.1	2.7	1.1	1.4	3.5	1.0	0.0	2.3	1.8	0.0	0.3	0.4
% behavioral health and social service providers	1.4	0.0	0.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% chiropractic providers	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
% other service providers	2.9	0.0	0.0	0.0	0.2	0.0	0.0	0.6	0.4	0.0	0.0	0.0
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	2.9	0.0	0.0	0.1	0.5	0.0	0.0	0.2	0.2	0.0	0.0	0.0
% podiatric medicine and surgery service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0
% student health care	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonindividuals	81.4	97.3	98.9	97.5	94.7	99.0	100.0	95.3	97.6	100.0	99.5	99.6
% agencies	1.4	0.0	0.0	0.6	2.4	0.0	0.0	0.4	0.4	0.0	0.3	0.0
% ambulatory health care facilities	0.0	0.0	0.8	2.0	4.2	1.9	0.5	22.9	1.3	0.0	0.8	0.0
% hospital units	7.1	8.1	8.1	5.1	3.2	13.9	7.1	0.9	7.7	7.5	0.5	0.7
% hospitals	72.9	87.8	88.2	52.4	81.0	79.4	89.0	51.3	87.8	92.3	96.6	83.2
% laboratories	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0
% managed care organizations	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
% nursing and custodial care facilities	0.0	0.0	0.8	33.0	0.3	1.9	1.0	19.4	0.0	0.0	0.5	3.3
% residential treatment facilities	0.0	1.4	0.0	4.0	0.3	0.0	1.9	0.1	0.0	0.0	0.0	11.3
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.2	0.0	0.0	0.3	0.0
% transportation services	0.0	0.0	0.3	0.0	0.8	1.9	0.5	0.1	0.0	0.2	0.0	1.1
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX IP Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	12	0	0	12	22	0	0	1	7	0	0	0
% a sole proprietorship	33.3	0.0	0.0	8.3	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% not a sole proprietorship	66.7	0.0	0.0	91.7	45.5	0.0	0.0	0.0	100.0	0.0	0.0	0.0
% not answered	0.0	0.0	0.0	0.0	22.7	0.0	0.0	100.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	59	221	356	1,630	597	209	210	1,284	538	482	382	275
% organization is a subpart	8.5	11.3	9.0	15.2	7.7	5.7	8.1	9.0	12.6	7.1	9.4	13.1
% organization is not a subpart	78.0	74.7	79.2	67.0	79.2	88.5	76.7	71.9	82.5	78.0	81.9	67.3
% not answered	13.6	14.0	11.8	17.8	13.1	5.7	15.2	19.1	4.8	14.9	8.6	19.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
LT Providers													
Number of provider IDs	538	81	288	622	3,069	449	800	67	238	1,534	438	123	561
% billing provider on LT claim	50.7	100.0	50.0	51.3	100.0	51.0	50.9	100.0	58.8	50.3	100.0	52.0	65.4
% NPI billing provider on LT claim	49.3	96.3	50.0	48.7	64.2	49.0	49.1	98.5	41.2	49.7	99.1	48.0	34.6
% also a provider on IP claim	2.2	11.1	14.6	0.5	3.5	1.3	0.3	1.5	5.9	77.2	10.7	87.0	18.5
% also a provider on OT claim	48.7	21.0	50.0	12.9	39.0	3.6	1.3	65.7	71.4	84.4	17.4	75.6	10.0
% also a provider on RX claim	0.0	1.2	1.0	0.0	1.1	0.4	1.0	1.5	2.5	0.2	0.2	11.4	1.1
% provider IDs with NPI	100.0	98.8	100.0	99.7	64.8	100.0	99.1	98.5	98.3	99.9	99.1	95.9	94.7
% provider IDs linked to NPPES	98.5	96.3	100.0	99.7	39.1	100.0	99.1	95.5	98.3	99.5	98.9	95.9	94.7
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
average number of LT claims	1101.1	204.8	704.1	2,575.8	1,023.9	2,399.3	758.4	668.8	333.1	852.4	2,802.7	108.7	442.7
average number of beneficiaries with LT claims	111.0	32.6	127.2	97.6	53.8	75.0	86.3	73.0	38.1	98.7	97.7	55.3	36.0
Provider IDs with NPI													
Number of provider IDs with NPI	538	80	288	620	1,990	449	793	66	234	1,532	434	118	531
% NPI source = MSIS	100.0	97.5	100.0	99.7	99.0	100.0	99.0	100.0	100.0	99.7	100.0	100.0	99.4
% NPI source = NPPES	0.0	2.5	0.0	0.3	1.0	0.0	1.0	0.0	0.0	0.3	0.0	0.0	0.6
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	530	78	288	620	1,201	449	793	64	234	1,526	433	118	531
% linked via NPI	100.0	97.4	100.0	99.7	98.3	100.0	99.0	100.0	100.0	99.7	100.0	100.0	99.4
% linked via Medicaid legacy provider ID	0.0	2.6	0.0	0.3	1.6	0.0	1.0	0.0	0.0	0.3	0.0	0.0	0.6
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with first name	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
% with middle name	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
% with last name	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
% with name suffix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% male	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
% female	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% with credential	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
% with business name	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0	99.1	100.0	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = LT state code	99.6	47.4	95.1	97.4	99.5	97.6	95.2	75.0	67.9	99.5	96.8	98.3	94.2
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	100.0	94.9	99.3	98.7	99.8	99.1	99.4	98.4	100.0	99.6	100.0	100.0	100.0
% with provider entity type = individual	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
% with provider entity type = organization	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	100.0	99.1	100.0	100.0

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	2	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	538	74	286	612	1,216	445	788	65	234	1,525	434	118	531
% individual or group of individuals	0.2	2.7	0.0	0.5	34.0	4.5	0.0	1.5	0.0	0.5	2.3	6.8	0.0
% allopathic and osteopathic physicians	0.0	0.0	0.0	0.2	33.4	4.3	0.0	0.0	0.0	0.3	1.2	3.4	0.0
% behavioral health and social service providers	0.0	2.7	0.0	0.3	0.6	0.0	0.0	1.5	0.0	0.0	0.5	0.0	0.0
% chiropractic providers	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
% other service providers	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	3.4	0.0
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% podiatric medicine and surgery service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
% nonindividuals	99.8	97.3	100.0	99.5	66.0	95.5	100.0	98.5	100.0	99.5	97.7	93.2	100.0
% agencies	1.7	0.0	0.0	1.3	0.4	0.4	1.3	0.0	0.9	0.3	0.7	0.0	0.2
% ambulatory health care facilities	0.0	0.0	0.0	0.7	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% hospital units	2.2	5.4	0.7	0.0	0.8	4.9	0.8	0.0	0.0	0.3	4.8	1.7	3.8
% hospitals	5.0	27.0	7.7	4.4	5.3	1.3	6.5	15.4	3.8	0.4	7.1	27.1	19.0
% laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	83.6	28.4	88.8	86.3	55.0	85.6	91.2	73.8	85.5	95.0	82.5	61.0	76.6
% residential treatment facilities	6.5	36.5	2.8	6.9	4.1	2.5	0.3	9.2	9.4	3.5	1.6	3.4	0.4
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.7	0.0	0.0
% transportation services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	0	0	0	0	2	0	0	0	0	0	4	0	0
% a sole proprietorship	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
% not a sole proprietorship	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	75.0	0.0	0.0
% not answered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	530	78	288	620	1,199	449	793	64	234	1,526	429	118	531
% organization is a subpart	11.1	9.0	13.2	4.8	6.5	12.5	6.1	9.4	3.0	14.3	10.3	6.8	16.0
% organization is not a subpart	57.4	52.6	60.4	57.7	44.1	62.6	45.6	59.4	56.0	66.2	68.5	54.2	41.4
% not answered	31.5	38.5	26.4	37.4	49.4	24.9	48.3	31.3	41.0	19.5	21.2	39.0	42.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
LT Providers													
Number of provider IDs	2,216	2,012	1,334	778	756	2,015	145	475	1,481	1,714	1,691	524	1,074
% billing provider on LT claim	41.6	53.1	50.0	50.3	50.4	44.6	100.0	48.2	66.6	70.7	51.0	49.6	49.3
% NPI billing provider on LT claim	58.4	46.9	50.0	49.7	49.6	55.4	0.0	51.8	33.4	31.9	49.0	50.4	50.7
% also a provider on IP claim	0.5	3.0	0.3	0.5	0.7	1.3	0.0	4.4	0.1	14.2	6.8	10.9	0.0
% also a provider on OT claim	47.6	8.8	44.0	16.3	5.0	0.8	2.8	40.4	59.9	32.1	69.6	17.4	2.3
% also a provider on RX claim	0.7	0.4	0.1	0.0	0.1	0.0	0.0	2.5	1.6	5.4	1.1	2.1	0.0
% provider IDs with NPI	71.1	100.0	100.0	99.9	100.0	93.7	29.7	98.1	94.9	92.6	98.3	99.2	98.4
% provider IDs linked to NPPES	71.1	100.0	100.0	99.6	100.0	84.0	29.7	98.1	94.9	92.4	97.3	99.2	98.0
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of LT claims	912.6	789.0	274.5	921.9	970.8	395.2	1175.3	945.7	589.6	460.1	584.5	1,021.4	1,156.2
average number of beneficiaries with LT claims	98.9	49.2	33.1	45.6	89.2	54.8	69.0	120.1	142.0	80.9	39.4	107.7	78.8
Provider IDs with NPI													
Number of provider IDs with NPI	1,575	2,011	1,334	777	756	1,888	43	466	1,406	1,587	1,662	520	1,057
% NPI source = MSIS	100.0	99.1	100.0	99.9	100.0	99.9	0.0	99.6	71.0	99.3	98.7	99.6	98.3
% NPI source = NPPES	0.0	0.2	0.0	0.1	0.0	0.1	100.0	0.4	29.0	0.7	1.3	0.4	1.7
% NPI source = state cross-reference file	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	1,575	2,011	1,334	775	756	1,693	43	466	1,406	1,583	1,646	520	1,053
% linked via NPI	100.0	99.8	100.0	99.9	100.0	99.9	0.0	99.6	71.0	99.3	98.7	99.6	98.3
% linked via Medicaid legacy provider ID	0.0	0.2	0.0	0.1	0.0	0.0	100.0	0.4	28.9	0.7	1.3	0.4	1.7
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
% with name prefix	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0
% with first name	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0
% with middle name	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with last name	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0
% with name suffix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% male	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% female	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
% with credential	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0
% with business name	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	99.9	100.0	99.9	100.0	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = LT state code	98.5	99.5	95.7	98.7	99.5	99.3	97.7	98.1	98.2	96.1	94.3	95.8	99.2
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	96.8	99.3	96.5	99.5	100.0	99.6	100.0	96.4	99.8	98.5	99.3	100.0	99.2
% with provider entity type = individual	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.0
% with provider entity type = organization	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	99.9	100.0	99.9	100.0	100.0

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	1	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	1,524	1,996	1,287	771	756	1,686	43	449	1,403	1,560	1,642	520	1,046
% individual or group of individuals	0.0	0.5	2.3	0.0	0.3	0.4	0.0	0.0	0.1	3.4	5.2	0.4	0.2
% allopathic and osteopathic physicians	0.0	0.0	1.2	0.0	0.3	0.1	0.0	0.0	0.1	2.0	3.7	0.4	0.0
% behavioral health and social service providers	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0
% chiropractic providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
% other service providers	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.4	0.1	0.0	0.0
% podiatric medicine and surgery service providers	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonindividuals	100.0	99.5	97.7	100.0	99.7	99.6	100.0	100.0	99.9	96.6	94.8	99.6	99.8
% agencies	3.3	2.2	1.5	0.5	0.3	4.9	7.0	0.0	0.1	0.6	2.7	0.0	0.0
% ambulatory health care facilities	0.2	0.3	0.5	0.0	0.0	0.1	0.0	0.0	0.3	1.7	0.8	0.2	0.0
% hospital units	1.8	0.5	4.7	0.0	13.0	4.0	0.0	0.7	0.1	1.1	3.0	11.2	0.0
% hospitals	2.3	2.7	4.2	2.6	6.7	6.9	4.7	2.4	8.3	7.2	9.4	3.8	0.9
% laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	76.9	73.6	74.2	94.0	73.5	65.9	88.4	94.2	89.6	85.7	67.7	80.0	98.5
% residential treatment facilities	10.7	20.2	4.7	2.9	6.0	17.7	0.0	2.2	1.5	0.0	10.8	4.2	0.5
% respite care facility	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	4.3	0.0	7.5	0.0	0.3	0.2	0.0	0.2	0.0	0.4	0.4	0.2	0.0
% transportation services	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX LT Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	0	0	0	0	0	4	0	0	1	0	1	0	0
% a sole proprietorship	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% not a sole proprietorship	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0
% not answered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,575	2,011	1,334	775	756	1,689	43	466	1,405	1,583	1,645	520	1,053
% organization is a subpart	11.0	3.9	11.7	10.6	20.1	8.0	0.0	7.1	3.7	14.4	15.7	18.1	8.0
% organization is not a subpart	41.1	47.6	49.0	46.2	60.7	48.1	100.0	64.4	55.1	63.9	45.2	55.8	56.1
% not answered	47.9	48.4	39.3	43.2	19.2	43.9	0.0	28.5	41.2	21.7	39.1	26.2	35.9

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
LT Providers													
Number of provider IDs	268	369	234	192	733	502	3,459	1,871	406	2,365	909	341	1,879
% billing provider on LT claim	50.4	100.0	49.6	52.1	60.3	62.5	51.8	55.1	53.0	59.4	50.3	54.5	53.5
% NPI billing provider on LT claim	49.6	0.0	50.4	47.9	39.7	37.5	48.2	44.9	47.0	40.6	49.7	45.5	46.5
% also a provider on IP claim	3.7	17.6	6.4	9.9	1.9	12.7	24.5	0.2	0.2	0.0	0.2	8.2	0.1
% also a provider on OT claim	28.0	69.4	5.6	8.3	40.9	50.8	34.9	42.9	0.5	59.1	5.7	16.7	29.9
% also a provider on RX claim	0.7	3.0	0.9	0.0	2.5	0.6	2.4	0.2	0.0	0.0	0.0	4.7	0.0
% provider IDs with NPI	100.0	11.4	99.1	97.9	92.9	100.0	94.6	100.0	94.6	100.0	100.0	95.3	99.9
% provider IDs linked to NPPES	100.0	11.4	99.1	1.0	92.8	100.0	94.4	99.6	94.6	1.0	99.8	94.7	99.9
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
average number of LT claims	447.5	320.6	621.1	784.3	1094.1	490.9	5,959.2	1,090.4	235.5	679.6	1,379.6	661.3	1073.1
average number of beneficiaries with LT claims	42.2	37.7	62.2	69.1	121.8	46.0	102.0	59.9	27.8	82.4	68.1	69.1	96.7
Provider IDs with NPI													
Number of provider IDs with NPI	268	42	232	188	681	502	3,272	1,871	384	2,364	909	325	1,877
% NPI source = MSIS	100.0	0.0	99.6	98.9	85.8	100.0	96.7	97.2	100.0	99.0	100.0	97.5	100.0
% NPI source = NPPES	0.0	100.0	0.4	1.1	14.2	0.0	3.3	1.3	0.0	1.0	0.0	2.5	0.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	268	42	232	2	680	502	3,265	1,863	384	24	907	323	1,877
% linked via NPI	100.0	0.0	99.6	0.0	85.7	100.0	96.7	98.7	100.0	0.0	100.0	97.5	100.0
% linked via Medicaid legacy provider ID	0.0	100.0	0.4	100.0	14.3	0.0	3.2	1.3	0.0	100.0	0.0	1.5	0.0
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.9	0.0
% with name prefix	0.0	2.4	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.3	0.0
% with first name	0.0	11.9	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.6	0.0
% with middle name	0.0	7.1	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.0
% with last name	0.0	11.9	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.6	0.0
% with name suffix	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% male	0.0	4.8	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.3	0.0
% female	0.0	7.1	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.3	0.0
% with credential	0.0	11.9	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.6	0.0
% with business name	100.0	88.1	100.0	100.0	100.0	100.0	99.0	99.9	100.0	100.0	100.0	99.4	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = LT state code	88.8	100.0	54.7	100.0	97.5	81.9	94.4	98.0	90.6	100.0	96.0	98.8	99.0
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.1	95.2	97.4	100.0	99.9	99.2	99.1	98.7	99.5	91.7	100.0	99.7	99.8
% with provider entity type = individual	0.0	11.9	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.6	0.0
% with provider entity type = organization	100.0	88.1	100.0	100.0	100.0	100.0	99.0	99.9	100.0	100.0	100.0	99.4	100.0

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	2	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	263	40	226	149	680	498	3,236	1,845	382	22	909	324	1,873
% individual or group of individuals	6.5	10.0	0.9	1.3	2.1	2.8	1.3	0.7	1.6	0.0	0.1	0.9	0.1
% allopathic and osteopathic physicians	0.0	2.5	0.9	1.3	0.0	1.0	1.1	0.3	0.0	0.0	0.1	0.9	0.0
% behavioral health and social service providers	0.4	5.0	0.0	0.0	2.1	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.1
% chiropractic providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
% other service providers	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
% podiatric medicine and surgery service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	4.2	2.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonindividuals	93.5	90.0	99.1	98.7	97.9	97.2	98.7	99.3	98.4	100.0	99.9	99.1	99.9
% agencies	0.0	0.0	0.0	0.0	0.7	1.6	2.8	0.1	1.6	0.0	0.0	1.9	0.6
% ambulatory health care facilities	0.4	0.0	0.0	0.7	0.3	2.0	1.9	0.0	3.4	0.0	0.1	1.2	0.6
% hospital units	14.4	0.0	0.9	0.7	0.6	7.0	5.0	1.1	9.9	0.0	0.0	1.9	8.6
% hospitals	9.9	2.5	11.9	10.1	2.9	7.4	8.0	2.1	5.8	9.1	3.4	2.5	3.0
% laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.5	0.0
% nursing and custodial care facilities	60.8	82.5	55.3	85.2	88.4	59.8	76.0	84.9	75.1	90.9	88.4	77.8	82.2
% residential treatment facilities	8.0	5.0	30.1	2.0	4.3	19.3	4.3	11.2	2.6	0.0	6.7	10.5	4.9
% respite care facility	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	0.0	0.0	0.9	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.2	0.6	0.0
% transportation services	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.2	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX LT Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	0	5	0	0	0	0	32	2	0	0	0	2	0
% a sole proprietorship	0.0	0.0	0.0	0.0	0.0	0.0	34.4	100.0	0.0	0.0	0.0	0.0	0.0
% not a sole proprietorship	0.0	100.0	0.0	0.0	0.0	0.0	62.5	0.0	0.0	0.0	0.0	100.0	0.0
% not answered	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	268	37	232	2	680	502	3,233	1,861	384	24	907	321	1,877
% organization is a subpart	21.6	2.7	10.3	0.0	4.6	18.1	10.9	6.1	19.8	0.0	6.6	15.9	9.9
% organization is not a subpart	48.5	32.4	64.7	100.0	64.4	48.8	53.9	57.8	54.2	75.0	57.1	50.5	55.6
% not answered	29.9	64.9	25.0	0.0	31.0	33.1	35.1	36.1	26.0	25.0	36.3	33.6	34.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
LT Providers												
Number of provider IDs	324	285	333	899	2,081	223	133	374	798	481	416	216
% billing provider on LT claim	100.0	100.0	51.1	49.4	99.4	51.6	50.4	100.0	66.3	50.1	100.0	53.7
% NPI billing provider on LT claim	31.5	9.8	48.9	50.6	95.3	48.4	49.6	100.0	33.7	49.9	98.8	46.3
% also a provider on IP claim	0.0	3.2	1.8	74.6	7.4	6.3	17.3	74.3	4.1	1.5	0.5	25.5
% also a provider on OT claim	4.0	2.1	9.9	71.5	53.1	9.0	6.8	27.0	10.2	2.3	94.2	25.9
% also a provider on RX claim	1.5	0.7	0.0	0.3	0.0	0.4	0.0	4.0	1.0	2.7	0.5	2.8
% provider IDs with NPI	34.6	79.3	99.4	94.7	95.3	96.9	100.0	100.0	81.1	100.0	98.8	99.5
% provider IDs linked to NPPES	34.6	79.3	98.8	94.7	94.6	96.9	100.0	100.0	81.0	100.0	98.8	99.5
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of LT claims	289.0	590.9	343.7	656.5	1682.5	1084.3	790.8	1,166.4	645.7	506.0	671.0	294.4
average number of beneficiaries with LT claims	33.8	70.8	42.4	83.2	68.9	56.6	61.8	87.6	75.9	63.9	86.0	33.9
Provider IDs with NPI												
Number of provider IDs with NPI	112	226	331	851	1,983	216	133	374	647	481	411	215
% NPI source = MSIS	94.6	12.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% NPI source = NPPES	5.4	87.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	112	226	329	851	1,968	216	133	374	646	481	411	215
% linked via NPI	94.6	12.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% linked via Medicaid legacy provider ID	5.4	87.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with first name	0.9	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with middle name	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with last name	0.9	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name suffix	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% male	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% female	0.9	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with credential	0.9	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with business name	99.1	100.0	100.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = LT state code	94.6	98.7	92.7	98.5	99.5	100.0	78.2	96.8	98.1	85.7	98.5	66.0
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.1	99.6	98.2	97.6	98.5	100.0	100.0	98.7	99.7	100.0	100.0	99.5
% with provider entity type = individual	0.9	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with provider entity type = organization	99.1	100.0	100.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with or without NPI but linked to state provider file												
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	111	225	325	831	1,945	216	133	369	644	481	411	214
% individual or group of individuals	1.8	0.0	1.2	1.1	0.2	0.0	0.0	0.5	0.0	0.2	0.0	0.5
% allopathic and osteopathic physicians	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
% behavioral health and social service providers	0.0	0.0	0.9	0.6	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0
% chiropractic providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service-related providers	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
% other service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	0.9	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% podiatric medicine and surgery service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% nonindividuals	98.2	100.0	98.8	98.9	99.8	100.0	100.0	99.5	100.0	99.8	100.0	99.5
% agencies	0.0	0.0	2.2	0.1	1.0	1.9	0.0	0.8	0.3	0.0	0.0	0.0
% ambulatory health care facilities	0.0	0.0	11.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% hospital units	0.0	1.3	14.5	2.6	1.3	1.9	8.3	3.5	7.8	6.2	0.0	14.0
% hospitals	4.5	5.3	9.8	6.6	5.7	5.6	9.0	10.6	3.6	4.2	2.7	8.4
% laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	80.2	86.7	59.7	87.0	84.4	89.8	80.5	82.7	88.4	76.3	97.3	40.7
% residential treatment facilities	10.8	6.7	0.9	1.8	6.8	0.9	2.3	1.4	0.0	12.1	0.0	35.5
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% suppliers	2.7	0.0	0.0	0.0	0.3	0.0	0.0	0.5	0.0	0.0	0.0	0.0
% transportation services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.9
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX LT Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	1	0	0	3	2	0	0	0	0	0	0	0
% a sole proprietorship	100.0	0.0	0.0	33.3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% not a sole proprietorship	0.0	0.0	0.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% not answered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	111	226	329	848	1,966	216	133	374	646	481	411	215
% organization is a subpart	5.4	7.1	23.1	18.5	3.8	13.0	4.5	12.3	16.6	6.4	11.2	14.4
% organization is not a subpart	52.3	41.2	43.2	50.5	62.8	57.4	60.9	55.1	68.3	53.6	49.6	55.3
% not answered	42.3	51.8	33.7	31.0	33.4	29.6	34.6	32.6	15.2	39.9	39.2	30.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
OT Providers													
Number of provider IDs	44,185	14,585	51,264	44,258	776,881	39,822	40,741	8,147	10,302	129,546	100,250	10,785	29,348
% billing provider on OT claim	9.2	13.2	52.2	24.8	83.3	13.0	21.0	15.7	29.1	38.6	37.0	49.0	30.0
% servicing provider on OT claim	61.2	53.2	55.1	58.3	97.5	48.5	56.0	99.4	74.7	54.9	65.9	58.8	66.1
% NPI servicing provider on OT claim	38.8	46.8	44.9	41.7	80.4	51.5	44.0	77.0	25.7	45.1	34.1	41.2	33.9
% also a provider on IP claim	1.1	0.0	1.5	0.4	0.3	0.5	0.5	0.1	1.2	2.4	0.7	1.6	0.1
% also a provider on LT claim	0.2	0.0	0.3	0.2	0.2	0.0	0.0	0.2	0.7	1.0	0.1	0.8	0.1
% also a provider on RX claim	1.2	17.6	28.5	15.7	12.4	60.7	26.5	42.4	20.9	25.3	1.5	6.2	9.9
% provider IDs with NPI	100.0	91.8	91.2	70.6	90.1	97.1	86.5	77.5	56.1	92.2	97.1	65.3	70.0
% provider IDs linked to NPPES	99.7	89.4	90.9	70.4	9.6	96.5	85.6	76.3	54.2	91.7	96.8	65.0	69.7
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
average number of OT claims	1341.4	553.4	1565.1	1,382.3	359.3	1,194.4	1,158.3	1,848.0	1209.1	1,678.0	1,024.1	926.6	656.9
average number of beneficiaries with OT claims	238.6	100.5	270.5	204.3	63.5	191.5	138.2	191.7	137.0	256.2	196.2	188.8	87.5
Provider IDs with NPI													
Number of provider IDs with NPI	44,179	13,395	46,755	31,261	699,785	38,668	35,244	6,311	5,777	119,381	97,364	7,040	20,544
% NPI source = MSIS	100.0	94.9	98.7	93.7	99.1	96.6	99.4	99.7	94.2	98.6	99.8	96.6	92.2
% NPI source = NPPES	0.0	5.1	1.3	6.3	0.9	3.4	0.6	0.3	5.8	1.4	0.2	3.4	7.8
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	44,058	13,032	46,619	31,137	74,790	38,429	34,879	6,213	5,582	118,771	97,086	7,008	20,447
% linked via NPI	100.0	94.7	98.7	93.6	91.1	96.6	99.4	99.7	94.0	98.6	99.8	96.6	92.1
% linked via Medicaid legacy provider ID	0.0	5.3	1.2	4.8	1.4	3.4	0.6	0.3	6.0	1.4	0.2	2.9	3.9
% linked via Medicare UPIN	0.0	0.0	0.1	1.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.0
% with name prefix	38.7	31.6	33.9	38.6	12.9	34.3	35.5	35.3	22.8	38.1	37.8	41.7	32.8
% with first name	84.7	92.4	82.2	85.5	23.2	85.2	80.8	89.1	50.8	78.0	83.4	65.5	81.6
% with middle name	71.5	70.9	60.6	61.6	17.1	63.2	53.1	55.7	33.2	56.0	65.8	52.3	69.4
% with last name	84.7	92.4	82.2	85.5	23.2	85.2	80.8	89.1	50.8	78.0	83.4	65.5	81.6
% with name suffix	7.5	2.0	1.5	3.4	0.6	1.6	1.4	2.3	1.4	2.2	4.9	1.7	1.9
% male	60.6	49.1	50.6	45.7	16.9	48.7	49.1	47.1	30.7	48.3	53.6	43.2	57.4
% female	24.1	43.3	31.5	39.8	6.3	36.4	31.7	42.0	20.1	29.8	29.8	22.2	24.2
% with credential	83.3	78.0	78.5	77.2	22.0	82.1	78.0	77.3	47.6	74.4	80.9	63.8	78.4
% with business name	15.3	7.6	17.8	14.5	76.8	14.8	19.2	10.9	49.2	22.0	16.6	34.5	18.4
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	80.0	61.3	80.2	78.7	89.0	88.3	77.3	70.9	51.1	92.7	84.3	92.1	65.5
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.7	97.4	98.7	99.4	98.1	99.2	97.5	99.6	99.4	99.5	100.0	98.0	99.4
% with provider entity type = individual	84.7	92.4	82.2	85.5	23.2	85.2	80.8	89.1	50.8	78.0	83.4	65.5	81.6
% with provider entity type = organization	15.3	7.6	17.8	14.5	76.8	14.8	19.2	10.9	49.2	22.0	16.6	34.5	18.4

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	37,315	12,041	38,309	26,609	17,376	32,723	28,171	5,535	2,838	92,656	80,968	4,587	16,675
% a sole proprietorship	14.6	17.8	18.8	22.2	44.7	13.9	15.3	14.7	21.9	24.0	18.7	37.2	17.1
% not a sole proprietorship	74.1	75.7	71.0	68.4	46.0	78.4	73.3	76.4	71.5	66.1	71.2	54.4	76.1
% not answered	11.2	6.4	10.2	9.4	9.3	7.6	11.4	8.9	6.6	9.8	10.1	8.4	6.8
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	6,743	991	8,310	4,528	57,414	5,706	6,708	678	2,744	26,115	16,118	2,421	3,772
% organization is a subpart	12.0	7.7	9.8	14.6	11.4	13.7	8.3	15.8	4.0	13.2	11.2	7.2	8.6
% organization is not a subpart	55.9	62.3	68.0	67.7	66.5	62.3	67.2	54.4	86.2	70.0	65.1	68.3	58.2
% not answered	32.1	30.1	22.2	17.7	22.1	24.0	24.5	29.8	9.8	16.8	23.7	24.5	33.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
OT Providers													
Number of provider IDs	141,590	61,073	62,340	44,172	54,579	43,247	8,028	86,588	84,143	195,587	111,728	32,263	57,595
% billing provider on OT claim	0.0	12.0	21.9	20.0	26.4	25.9	0.1	15.0	9.5	44.4	21.2	16.9	5.8
% servicing provider on OT claim	65.3	55.3	58.3	62.4	78.4	48.4	99.9	68.3	64.4	96.9	22.7	54.7	79.3
% NPI servicing provider on OT claim	34.7	44.7	43.8	37.6	45.3	51.6	0.1	31.7	35.6	18.3	77.3	45.3	20.7
% also a provider on IP claim	0.4	0.9	0.4	0.2	0.8	1.9	0.0	0.4	0.3	0.4	0.5	1.6	0.8
% also a provider on LT claim	0.5	0.2	0.3	0.3	0.1	0.0	0.0	0.2	0.5	0.3	0.9	0.3	0.0
% also a provider on RX claim	22.8	28.1	18.2	19.7	26.1	24.9	0.0	14.1	2.8	16.0	15.2	25.7	16.7
% provider IDs with NPI	69.2	97.3	97.2	96.1	89.7	91.7	0.1	62.2	86.0	49.8	91.9	91.2	74.4
% provider IDs linked to NPPES	69.0	95.6	79.9	95.5	89.5	88.6	0.1	50.5	85.8	49.4	48.3	90.7	53.0
% provider IDs with or without NPI but linked to state provider file	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of OT claims	1054.8	1,092.1	614.8	438.0	1,353.9	2144.0	1567.3	582.4	1330.5	827.4	988.1	1,642.2	1,052.2
average number of beneficiaries with OT claims	223.4	178.4	104.9	81.2	241.4	377.4	184.9	82.6	211.4	96.0	108.4	301.6	168.4
Provider IDs with NPI													
Number of provider IDs with NPI	97,945	59,429	60,606	42,431	48,949	39,653	12	53,853	72,331	97,398	102,718	29,415	42,855
% NPI source = MSIS	99.9	84.4	99.0	99.9	99.3	100.0	100.0	99.1	81.9	95.3	96.5	99.9	94.1
% NPI source = NPPES	0.1	4.9	1.0	0.1	0.7	0.0	0.0	0.9	18.1	4.7	3.5	0.1	5.9
% NPI source = state cross-reference file	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	97,697	58,386	49,840	42,195	48,821	38,317	12	43,686	72,178	96,586	54,012	29,272	30,540
% linked via NPI	99.9	95.0	98.8	99.9	99.3	100.0	100.0	98.8	81.9	95.3	93.3	99.8	91.7
% linked via Medicaid legacy provider ID	0.1	4.9	1.2	0.1	0.4	0.0	0.0	1.2	18.1	4.7	6.7	0.1	8.2
% linked via Medicare UPIN	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	37.2	28.9	28.0	34.5	32.1	33.5	0.0	36.7	38.3	17.3	22.5	39.5	12.0
% with first name	81.1	72.2	77.2	83.8	79.6	68.9	0.0	76.1	86.6	35.1	69.4	80.6	20.4
% with middle name	55.0	56.0	64.9	66.9	61.8	55.9	0.0	52.2	63.7	26.8	58.3	63.6	17.0
% with last name	81.1	72.2	77.2	83.8	79.6	68.9	0.0	76.1	86.6	35.1	69.4	80.6	20.4
% with name suffix	1.5	1.9	1.5	2.2	3.1	5.4	0.0	2.1	1.8	0.9	1.0	6.3	0.7
% male	52.1	48.2	53.2	51.5	53.6	45.3	0.0	46.0	52.1	22.7	38.5	53.5	13.2
% female	29.0	24.0	24.1	32.3	26.0	23.6	0.0	30.1	34.5	12.3	30.9	27.1	7.2
% with credential	78.3	70.4	76.2	81.6	78.6	67.0	0.0	72.8	85.1	33.9	65.1	78.4	19.6
% with business name	18.9	27.8	22.8	16.2	20.4	31.1	100.0	23.9	13.4	64.9	30.6	19.4	79.6
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	75.3	78.7	63.3	72.0	64.4	83.9	100.0	78.7	91.3	85.5	82.8	63.0	81.8
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.9	99.3	99.0	97.1	99.9	98.5	100.0	98.1	99.6	99.1	99.0	99.8	98.5
% with provider entity type = individual	81.1	72.2	77.2	83.8	79.6	68.9	0.0	76.1	86.6	35.1	69.4	80.6	20.4
% with provider entity type = organization	18.9	27.8	22.8	16.2	20.4	31.1	100.0	23.9	13.4	64.9	30.6	19.4	79.6

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	674	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	96,736	58,390	49,445	40,966	48,874	37,729	12	43,174	72,070	96,235	63,749	29,314	33,741
% individual or group of individuals	81.2	77.4	86.0	85.8	82.8	78.5	25.0	86.0	91.2	67.3	56.6	84.0	66.6
% allopathic and osteopathic physicians	63.9	54.9	57.1	55.2	58.0	50.7	0.0	65.0	67.3	44.0	27.3	57.3	46.1
% behavioral health and social service providers	0.1	2.2	1.2	6.6	0.5	1.6	0.0	4.6	3.0	2.8	6.4	1.6	5.0
% chiropractic providers	1.0	1.8	4.9	0.1	1.8	0.3	0.0	0.2	1.3	2.0	3.0	0.8	0.3
% dental providers	2.5	4.4	5.3	1.9	4.1	3.8	0.0	3.4	4.6	4.9	4.3	3.6	1.4
% dietary and nutritional service providers	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% emergency medical service providers	0.0	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
% eye and vision service providers	1.7	2.5	2.8	2.3	2.0	1.4	0.0	0.6	2.6	1.8	1.7	1.9	2.0
% nursing service providers	0.1	0.3	0.1	0.4	0.3	0.5	0.0	0.7	0.8	0.2	0.3	0.6	0.1
% nursing service-related providers	0.0	0.2	0.0	0.2	0.0	1.4	0.0	0.4	0.1	0.0	1.1	0.4	0.4
% other service providers	1.2	1.1	1.0	2.6	2.6	4.1	0.0	3.5	0.1	0.9	0.6	0.3	1.4
% pharmacy service providers	0.3	0.1	0.3	0.1	0.1	0.0	25.0	0.0	0.0	0.1	0.1	0.0	0.0
% physician assistants and advanced practice nursing providers	4.9	5.9	7.5	13.6	11.0	12.0	0.0	4.1	4.6	6.3	7.3	13.7	4.8
% podiatric medicine and surgery service providers	1.2	1.0	0.9	0.4	0.6	0.6	0.0	1.7	1.0	1.3	0.4	0.4	0.9
% respiratory, developmental, rehabilitative, and restorative service providers	2.2	1.5	1.9	1.2	0.6	0.7	0.0	1.1	1.7	0.7	2.0	1.5	0.6
% speech, language, and hearing service providers	0.9	0.8	0.6	0.6	0.2	0.9	0.0	0.4	0.4	0.5	0.8	0.9	0.6
% student health care	0.1	0.1	0.2	0.2	0.6	0.4	0.0	0.4	0.0	0.0	0.1	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	1.0	0.6	1.8	0.0	0.5	0.0	0.0	0.0	3.7	1.8	0.9	0.9	2.7
% nonindividuals	18.8	22.6	14.0	14.2	17.2	21.5	75.0	14.0	8.8	32.7	43.4	16.0	33.4
% agencies	1.3	6.0	3.3	4.4	4.2	9.0	0.0	1.6	2.0	2.7	14.9	1.5	8.1
% ambulatory health care facilities	4.7	1.8	1.8	2.4	1.5	3.4	0.0	3.5	2.1	3.3	5.0	3.2	8.9
% hospital units	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
% hospitals	3.4	6.6	0.7	0.6	1.5	3.3	0.0	1.6	0.6	17.5	14.2	3.0	2.8
% laboratories	0.4	0.5	0.4	0.6	0.6	0.6	0.0	0.5	0.2	0.4	0.2	1.3	0.8
% managed care organizations	0.0	0.0	0.0	0.1	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	1.0	0.3	0.8	1.1	0.1	0.6	0.0	0.9	1.5	0.3	3.7	0.4	0.8
% residential treatment facilities	0.1	0.2	0.3	0.3	0.2	0.5	0.0	0.1	0.0	0.1	0.5	0.0	3.5
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0
% suppliers	6.3	6.0	5.1	3.8	7.7	2.9	75.0	4.9	1.4	7.1	4.2	5.9	6.9
% transportation services	1.4	1.2	1.5	0.9	1.2	0.3	0.0	0.9	1.0	1.1	0.6	0.5	1.3
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	79,278	42,145	38,478	35,368	38,859	26,400	0	33,232	62,512	33,882	37,486	23,579	6,215
% a sole proprietorship	14.7	13.8	10.0	12.3	14.1	22.9	0.0	18.3	15.3	21.6	12.2	19.6	34.3
% not a sole proprietorship	74.5	77.7	71.9	73.5	78.4	65.6	0.0	67.2	66.1	67.9	72.8	70.8	57.2
% not answered	10.8	8.4	18.1	14.2	7.5	11.5	0.0	14.4	18.6	10.5	15.0	9.7	8.6
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	18,419	16,241	11,362	6,827	9,962	11,917	12	10,454	9,666	62,704	16,526	5,693	24,325
% organization is a subpart	18.9	11.7	10.1	14.4	10.8	4.7	0.0	9.0	5.8	11.0	10.8	12.1	12.0
% organization is not a subpart	57.6	62.6	62.5	55.2	71.4	63.7	66.7	70.2	58.2	71.2	73.2	66.1	68.6
% not answered	23.5	25.8	27.4	30.4	17.8	31.7	33.3	20.8	36.1	17.8	15.9	21.8	19.4

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
OT Providers													
Number of provider IDs	17,104	30,412	19,950	18,620	68,244	56,879	276,176	105,266	12,926	80,592	44,091	40,211	92,945
% billing provider on OT claim	26.2	47.6	0.0	19.9	38.5	37.3	31.1	25.5	37.7	0.0	14.5	10.3	22.0
% servicing provider on OT claim	52.7	100.0	50.4	58.9	41.8	72.2	53.6	52.4	65.7	68.7	52.7	75.3	57.9
% NPI servicing provider on OT claim	47.3	0.0	49.6	41.1	58.2	27.8	46.5	47.6	34.3	31.3	47.3	47.7	42.1
% also a provider on IP claim	1.6	0.7	0.7	0.5	0.8	1.3	0.7	0.5	1.3	0.4	0.7	0.1	0.7
% also a provider on LT claim	0.4	0.8	0.1	0.1	0.4	0.4	0.4	0.8	0.0	0.9	0.1	0.1	0.6
% also a provider on RX claim	17.9	12.0	24.4	1.4	26.6	25.6	26.1	22.9	17.9	36.6	23.9	33.1	5.3
% provider IDs with NPI	97.6	4.3	99.5	85.3	97.3	84.5	88.7	100.0	49.8	58.2	93.9	94.7	90.3
% provider IDs linked to NPPES	97.3	4.3	93.1	5.5	94.9	84.2	87.9	99.1	49.5	0.0	91.3	94.5	89.9
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
average number of OT claims	489.4	375.3	518.6	724.0	1370.2	664.2	1,432.2	1,960.4	511.8	1323.3	1,281.9	656.6	466.0
average number of beneficiaries with OT claims	85.9	73.7	94.6	95.9	181.8	105.2	212.6	255.0	85.0	121.7	205.8	133.0	86.8
Provider IDs with NPI													
Number of provider IDs with NPI	16,686	1,297	19,847	15,882	66,416	48,071	244,953	105,244	6,436	46,886	41,380	38,088	83,960
% NPI source = MSIS	100.0	0.0	100.0	94.2	97.7	99.4	96.1	97.9	95.9	100.0	99.1	99.8	99.9
% NPI source = NPPES	0.0	100.0	0.0	5.8	2.3	0.6	3.9	1.0	4.1	0.0	0.9	0.2	0.1
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	16,644	1,297	18,573	1,026	64,783	47,911	242,626	104,346	6,394	1	40,253	37,993	83,585
% linked via NPI	100.0	0.0	100.0	10.0	97.6	99.3	96.0	99.0	95.9	0.0	99.1	99.8	99.9
% linked via Medicaid legacy provider ID	0.0	100.0	0.0	89.8	2.3	0.7	4.0	1.0	0.0	0.0	0.5	0.1	0.1
% linked via Medicare UPIN	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	4.1	100.0	0.4	0.1	0.0
% with name prefix	28.8	36.4	35.1	23.9	35.9	14.1	42.9	31.6	25.1	0.0	33.1	39.7	38.1
% with first name	79.3	57.2	83.3	49.0	72.9	33.0	84.6	61.7	73.7	100.0	80.0	90.0	82.6
% with middle name	61.2	52.0	61.8	39.5	46.0	24.0	51.1	50.6	60.7	100.0	64.8	74.2	61.5
% with last name	79.3	57.2	83.3	49.0	72.9	33.0	84.6	61.7	73.7	100.0	80.0	90.0	82.6
% with name suffix	1.4	1.6	1.8	1.2	1.5	0.8	1.3	3.8	0.9	0.0	2.9	1.8	2.6
% male	48.1	42.3	56.8	27.7	49.6	19.5	48.2	36.9	45.3	0.0	53.5	55.9	56.6
% female	31.2	14.9	26.5	21.3	23.3	13.4	36.5	24.8	28.4	100.0	26.5	34.1	26.0
% with credential	74.0	56.4	80.7	48.1	70.4	32.2	79.6	59.2	70.8	100.0	78.5	87.8	80.2
% with business name	20.7	42.8	16.7	51.0	27.1	67.0	15.4	38.3	26.3	0.0	20.0	10.0	17.4
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	62.4	93.1	68.5	81.2	75.4	60.7	85.0	89.8	72.0	0.0	69.9	75.4	89.0
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.6	98.5	99.2	95.2	98.1	99.3	98.0	99.0	99.9	0.0	99.9	99.9	99.6
% with provider entity type = individual	79.3	57.2	83.3	49.0	72.9	33.0	84.6	61.7	73.7	100.0	80.0	90.0	82.6
% with provider entity type = organization	20.7	42.8	16.7	51.0	27.1	67.0	15.4	38.3	26.3	0.0	20.0	10.0	17.4

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	336	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	16,433	1,277	18,532	11,469	63,645	47,695	237,683	104,102	6,426	0	40,725	38,059	83,570
% individual or group of individuals	80.4	68.2	83.6	87.1	81.0	71.7	88.1	75.5	80.8	0.0	80.9	91.1	83.8
% allopathic and osteopathic physicians	47.2	22.6	60.0	56.2	65.2	36.3	53.4	44.5	38.6	0.0	57.5	58.0	64.9
% behavioral health and social service providers	7.1	5.3	4.2	7.1	1.1	4.8	8.5	8.7	8.9	0.0	1.9	2.8	0.5
% chiropractic providers	1.0	11.7	0.2	0.7	0.6	0.5	0.2	1.6	5.4	0.0	0.1	0.7	1.4
% dental providers	4.4	12.5	4.4	4.7	3.3	2.7	4.6	4.6	3.8	0.0	3.2	5.2	2.8
% dietary and nutritional service providers	0.2	0.1	0.1	0.2	0.0	0.1	0.2	0.0	0.8	0.0	0.5	0.2	0.0
% emergency medical service providers	0.1	0.0	0.0	0.4	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
% eye and vision service providers	1.9	5.8	1.8	1.6	1.8	1.5	1.6	2.1	3.6	0.0	2.7	2.1	1.3
% nursing service providers	0.1	0.1	0.2	0.3	0.1	0.2	3.4	0.1	1.6	0.0	0.3	1.4	0.6
% nursing service-related providers	0.0	0.0	0.1	0.0	0.2	0.5	0.0	1.1	0.0	0.0	0.2	0.0	0.0
% other service providers	0.9	1.5	1.7	0.8	3.0	2.6	3.6	1.7	1.2	0.0	0.3	3.8	1.5
% pharmacy service providers	0.0	0.4	0.0	0.4	0.1	0.0	0.2	0.0	0.6	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	10.9	2.8	5.3	10.7	2.6	3.7	7.4	4.9	10.2	0.0	10.1	10.5	1.9
% podiatric medicine and surgery service providers	0.5	2.3	0.7	0.6	2.0	0.6	1.5	0.6	0.7	0.0	0.4	0.8	1.6
% respiratory, developmental, rehabilitative, and restorative service providers	4.3	2.3	3.3	1.9	0.2	1.6	2.3	2.1	3.1	0.0	1.9	3.5	3.6
% speech, language, and hearing service providers	1.3	0.8	1.2	0.8	0.2	0.6	0.7	2.0	2.0	0.0	1.7	1.0	1.9
% student health care	0.1	0.0	0.1	0.0	0.2	0.2	0.4	0.1	0.0	0.0	0.1	0.4	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0
% group of individuals with multi- or single specialty	0.4	0.0	0.1	0.7	0.2	15.2	0.0	1.2	0.2	0.0	0.1	0.6	1.8
% nonindividuals	19.6	31.8	16.4	12.9	19.0	28.3	11.9	24.5	19.2	0.0	19.1	8.9	16.2
% agencies	4.1	3.5	1.8	3.7	1.8	5.2	2.5	8.3	1.3	0.0	2.2	1.0	3.9
% ambulatory health care facilities	1.9	6.0	2.3	1.5	3.1	7.2	1.1	2.6	4.3	0.0	4.8	1.8	3.1
% hospital units	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
% hospitals	4.2	1.3	4.4	0.5	2.8	8.4	2.1	1.2	3.8	0.0	4.5	0.2	1.5
% laboratories	0.7	0.4	0.8	0.4	0.5	1.0	0.2	0.2	0.4	0.0	0.7	0.7	0.6
% managed care organizations	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	1.2	3.6	0.2	0.3	1.0	0.5	0.3	3.4	0.5	0.0	0.0	0.1	0.6
% residential treatment facilities	0.2	0.2	0.3	0.5	0.3	0.2	0.2	2.2	0.1	0.0	0.1	0.4	0.1
% respite care facility	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	5.8	12.7	5.7	4.1	8.1	4.4	4.2	6.0	6.4	0.0	5.5	3.6	4.4
% transportation services	1.5	3.9	0.8	1.9	1.1	1.4	1.2	0.5	2.2	0.0	1.2	1.0	2.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	13,197	742	15,478	503	47,233	15,791	205,349	64,366	4,712	1	32,211	34,200	69,022
% a sole proprietorship	18.7	34.9	18.4	31.8	22.4	26.5	29.3	18.5	13.7	0.0	18.6	17.0	15.3
% not a sole proprietorship	72.5	54.4	73.7	61.0	65.8	64.6	61.7	74.7	80.7	100.0	74.3	73.5	72.2
% not answered	8.8	10.6	7.9	7.2	11.8	9.0	9.0	6.8	5.6	0.0	7.1	9.5	12.5
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,447	555	3,095	523	17,550	32,120	37,277	39,980	1,682	0	8,042	3,793	14,563
% organization is a subpart	11.0	16.0	15.8	14.7	8.2	7.5	8.9	8.3	7.8	0.0	11.4	11.0	10.1
% organization is not a subpart	64.3	64.0	71.2	64.4	65.3	74.7	64.8	67.3	69.9	0.0	67.2	65.0	64.2
% not answered	24.7	20.0	12.9	20.8	26.5	17.8	26.4	24.4	22.4	0.0	21.5	23.9	25.7

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
OT Providers												
Number of provider IDs	9,786	25,129	15,492	73,493	111,328	18,766	14,811	74,427	94,013	32,803	42,643	19,491
% billing provider on OT claim	52.2	24.2	53.2	32.5	65.9	30.8	16.8	40.1	20.7	13.0	67.7	11.6
% servicing provider on OT claim	100.0	100.0	53.3	73.6	84.7	55.8	48.1	50.0	67.7	50.6	99.1	57.3
% NPI servicing provider on OT claim	35.1	0.0	46.7	26.6	74.6	44.2	51.9	50.0	32.3	49.4	53.9	42.7
% also a provider on IP claim	8.8	0.2	0.9	2.0	0.7	0.9	0.0	1.2	0.5	1.3	0.8	0.2
% also a provider on LT claim	0.1	0.0	0.2	0.8	1.0	0.1	0.0	0.1	0.1	0.0	0.9	0.1
% also a provider on RX claim	23.7	52.7	0.2	22.4	1.3	28.5	26.0	26.3	18.9	6.1	53.1	28.7
% provider IDs with NPI	36.0	1.3	77.3	76.0	79.1	92.7	99.0	100.0	79.1	95.5	62.5	81.3
% provider IDs linked to NPPES	35.8	1.3	76.8	75.8	69.2	92.4	98.7	95.5	78.7	95.3	62.2	81.0
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of OT claims	788.4	904.4	356.7	1,045.8	2441.9	736.4	820.6	692.4	706.9	832.1	1340.5	274.5
average number of beneficiaries with OT claims	114.9	146.2	86.4	235.4	323.1	134.3	125.8	151.6	150.8	130.0	193.0	47.3
Provider IDs with NPI												
Number of provider IDs with NPI	3,523	325	11,975	55,856	88,082	17,395	14,664	74,426	74,401	31,324	26,635	15,841
% NPI source = MSIS	97.4	44.9	87.1	98.5	99.9	99.9	99.6	100.0	100.0	95.1	98.7	97.7
% NPI source = NPPES	2.6	55.1	12.9	1.5	0.1	0.1	0.4	0.0	0.0	4.9	1.3	2.3
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	3,505	325	11,896	55,682	77,086	17,340	14,615	71,074	73,945	31,261	26,509	15,779
% linked via NPI	97.4	44.9	87.0	98.5	99.9	99.9	99.6	100.0	100.0	95.1	98.7	97.7
% linked via Medicaid legacy provider ID	1.0	47.4	13.0	0.0	0.1	0.1	0.3	0.0	0.0	4.9	1.3	2.2
% linked via Medicare UPIN	1.6	7.7	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	32.1	25.2	19.6	28.4	36.1	32.5	48.3	36.3	23.7	34.3	24.0	35.6
% with first name	87.4	48.9	64.7	62.8	78.9	75.9	95.0	80.3	65.8	81.8	64.8	91.0
% with middle name	58.6	40.0	53.3	49.9	59.7	66.1	72.2	62.4	53.5	65.0	53.1	68.1
% with last name	87.4	48.9	64.7	62.8	78.9	75.9	95.0	80.3	65.8	81.8	64.8	91.0
% with name suffix	2.2	2.8	1.0	3.3	3.2	1.5	2.1	3.7	1.2	3.2	0.8	1.8
% male	53.0	32.3	41.3	39.6	48.6	60.0	51.6	50.1	39.6	53.0	32.8	60.6
% female	34.5	16.6	23.4	23.1	30.2	15.8	43.4	30.1	26.2	28.8	32.0	30.5
% with credential	84.9	45.8	62.3	60.8	76.5	73.0	92.1	77.3	62.4	76.9	61.4	87.3
% with business name	12.6	51.1	35.3	37.2	21.1	24.1	5.0	19.7	34.2	18.2	35.2	9.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	85.2	85.2	68.2	72.7	94.0	87.2	55.6	70.7	86.4	51.0	71.3	32.9
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.5	98.8	99.0	99.4	99.3	98.5	98.4	98.8	99.1	99.9	99.5	99.8
% with provider entity type = individual	87.4	48.9	64.7	62.8	78.9	75.9	95.0	80.3	65.8	81.8	64.8	91.0
% with provider entity type = organization	12.6	51.1	35.3	37.2	21.1	24.1	5.0	19.7	34.2	18.2	35.2	9.0

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with or without NPI but linked to state provider file												
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	3,498	321	11,808	55,483	77,634	17,103	14,404	71,495	73,583	31,291	26,501	15,782
% individual or group of individuals	87.6	49.5	73.3	66.4	80.4	84.2	94.2	84.2	82.7	84.0	68.7	90.7
% allopathic and osteopathic physicians	63.6	28.3	43.2	37.7	50.0	56.7	54.0	57.8	53.4	57.9	23.1	68.0
% behavioral health and social service providers	6.3	3.7	4.2	5.0	6.1	1.1	14.1	6.9	0.9	2.3	11.0	1.5
% chiropractic providers	0.2	3.1	4.4	0.4	0.6	2.5	1.4	0.1	0.1	1.0	4.3	0.4
% dental providers	3.4	1.9	0.5	2.3	4.9	7.1	4.4	3.2	4.8	3.6	4.5	3.7
% dietary and nutritional service providers	0.2	0.0	0.1	0.0	0.2	0.0	0.3	0.0	0.2	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1
% eye and vision service providers	2.5	2.5	3.4	2.3	1.6	2.7	1.3	2.1	2.7	1.3	2.8	1.9
% nursing service providers	1.5	0.0	0.2	0.4	0.4	0.3	0.6	0.1	0.2	1.1	0.4	0.2
% nursing service-related providers	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.8	0.0	0.0
% other service providers	1.7	5.3	1.2	1.8	1.5	2.5	1.4	5.4	2.4	0.4	0.2	0.5
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.2
% physician assistants and advanced practice nursing providers	5.8	0.9	11.5	10.7	8.2	3.6	11.0	5.7	10.1	8.0	10.7	11.0
% podiatric medicine and surgery service providers	1.4	0.0	0.7	0.5	0.9	1.4	0.5	0.9	0.9	0.6	0.5	0.4
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	1.2	2.3	2.5	1.5	3.6	2.6	0.8	4.7	2.7	8.2	1.5
% speech, language, and hearing service providers	0.4	1.9	1.1	0.8	1.5	1.1	0.6	0.4	1.3	3.6	2.3	0.5
% student health care	0.1	0.0	0.0	0.2	0.2	0.2	1.8	0.2	0.0	0.0	0.0	0.7
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
% group of individuals with multi- or single specialty	0.1	0.3	0.3	1.8	2.7	0.9	0.2	0.1	0.7	0.7	0.6	0.0
% nonindividuals	12.4	50.5	26.7	33.6	19.6	15.8	5.8	15.8	17.3	16.0	31.3	9.3
% agencies	3.9	12.5	4.8	2.1	6.3	2.4	0.6	2.7	1.2	1.5	3.5	3.4
% ambulatory health care facilities	0.9	1.9	4.2	2.7	3.0	2.7	0.8	1.7	6.7	1.9	3.4	1.9
% hospital units	0.0	0.3	0.1	1.4	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0
% hospitals	1.4	19.3	6.2	21.6	1.0	2.6	0.4	2.4	2.3	2.4	13.7	0.3
% laboratories	0.3	0.6	0.7	0.5	0.6	0.8	0.5	0.5	0.5	1.6	0.6	0.5
% managed care organizations	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.0	1.7	0.0	0.0	0.0
% nursing and custodial care facilities	0.5	3.1	2.3	1.3	2.3	0.1	0.0	0.2	0.1	0.1	2.0	0.2
% residential treatment facilities	1.1	0.6	0.3	0.1	0.1	0.1	0.1	0.4	0.1	0.2	0.1	0.1
% respite care facility	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0
% suppliers	3.3	11.2	5.4	2.7	4.9	6.0	1.6	6.5	4.1	6.1	6.2	2.3
% transportation services	1.0	0.0	2.8	1.2	1.3	1.1	1.7	1.2	0.7	1.8	1.7	0.7
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX OT Servicing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	3,065	159	7,692	34,941	60,798	13,154	13,884	57,060	48,680	25,567	17,181	14,366
% a sole proprietorship	15.2	18.2	10.0	17.7	24.0	19.6	21.6	14.3	15.7	17.4	12.1	15.6
% not a sole proprietorship	74.5	73.0	77.7	71.7	70.3	73.1	67.9	75.8	78.2	71.5	75.8	77.3
% not answered	10.3	8.8	12.3	10.6	5.7	7.3	10.5	9.9	6.2	11.1	12.0	7.2
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	440	166	4,204	20,741	16,288	4,186	731	14,014	25,265	5,694	9,328	1,413
% organization is a subpart	8.0	4.2	9.0	10.3	8.8	8.5	6.0	9.3	12.3	9.4	12.7	8.1
% organization is not a subpart	54.5	61.4	67.6	76.2	65.2	79.2	58.4	69.3	74.8	67.9	74.2	62.6
% not answered	37.5	34.3	23.4	13.5	26.0	12.3	35.6	21.4	12.9	22.7	13.2	29.3

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
OT Providers													
Number of provider IDs	7,784	4,400	27,306	13,181	647,098	7,666	10,279	2,139	3,362	56,184	38,391	6,271	10,682
% billing provider on OT claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% servicing provider on OT claim	52.5	7.2	98.0	83.1	97.0	67.5	83.4	57.5	89.1	89.0	7.5	84.3	82.5
% NPI servicing provider on OT claim	0.0	36.7	0.0	0.0	96.5	0.0	0.0	54.1	0.5	0.0	89.1	0.0	0.0
% also a provider on IP claim	3.1	1.5	1.4	1.9	0.4	2.3	0.5	1.5	2.1	3.0	1.8	1.5	1.2
% also a provider on LT claim	2.7	0.4	0.3	0.5	0.0	0.0	0.0	2.0	3.2	1.2	0.2	0.8	0.3
% also a provider on RX claim	0.0	2.9	48.3	22.2	4.7	23.1	5.4	29.6	49.0	0.1	4.1	3.5	9.3
% provider IDs with NPI	65.1	44.1	85.5	46.1	96.8	69.5	78.7	59.0	44.9	78.8	89.4	32.6	40.3
% provider IDs linked to NPPES	64.8	42.8	85.2	45.9	4.3	69.3	78.5	57.1	43.1	78.4	89.2	32.4	40.1
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
average number of OT claims	4812.9	1,350.7	3102.1	3,540.5	471.5	3,386.1	3,014.8	5,359.9	2118.4	2,889.1	2,034.4	1455.4	1,292.0
average number of beneficiaries with OT claims	608.3	169.7	375.8	378.9	71.1	417.1	316.5	383.1	248.2	407.3	336.0	245.4	147.8
Provider IDs with NPI													
Number of provider IDs with NPI	5,064	1,941	23,339	6,070	626,221	5,325	8,090	1,262	1,508	44,248	34,332	2,042	4,302
% NPI source = MSIS	84.3	95.5	99.1	74.3	99.7	63.0	97.2	96.4	80.8	91.9	99.6	87.4	83.1
% NPI source = NPPES	15.7	4.5	0.9	25.7	0.3	37.0	2.8	3.6	19.2	7.0	0.4	12.6	16.9
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	5,041	1,884	23,271	6,044	27,830	5,313	8,067	1,221	1,450	44,063	34,236	2,031	4,279
% linked via NPI	84.3	95.4	99.1	74.1	92.9	62.9	97.1	96.2	80.1	93.0	99.6	87.3	83.0
% linked via Medicaid legacy provider ID	15.3	4.6	0.8	25.9	1.9	37.1	2.9	3.8	19.9	7.0	0.4	10.3	17.0
% linked via Medicare UPIN	0.4	0.1	0.1	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0
% with name prefix	15.4	34.5	33.6	28.7	20.5	15.4	28.9	24.9	25.2	32.9	37.0	41.0	23.3
% with first name	23.8	72.9	81.5	51.1	34.9	27.8	60.1	40.1	48.0	64.8	80.0	64.7	46.4
% with middle name	21.2	57.1	60.0	43.4	25.7	22.9	41.5	32.8	31.8	46.2	63.4	52.8	39.8
% with last name	23.8	72.9	81.5	51.1	34.9	27.8	60.1	40.1	48.0	64.8	80.0	64.7	46.4
% with name suffix	3.1	1.8	1.5	3.3	0.8	0.8	1.2	2.4	1.7	1.9	4.6	1.5	1.0
% male	19.8	37.2	50.3	37.6	24.4	17.8	41.1	27.6	31.7	45.2	49.2	42.0	34.7
% female	4.0	35.7	31.2	13.5	10.4	10.0	19.0	12.5	16.3	19.5	30.9	22.7	11.7
% with credential	23.3	69.6	77.8	49.7	33.1	26.6	58.9	38.7	46.0	62.5	77.6	63.4	44.5
% with business name	76.2	27.1	18.5	48.9	65.1	72.2	39.9	59.9	52.0	35.2	20.0	35.3	53.6
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	81.7	84.2	80.4	82.7	87.5	93.5	86.2	77.8	54.1	93.4	81.6	92.6	80.8
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.0	97.6	98.7	99.4	97.8	98.4	98.8	99.5	99.7	99.5	100.0	97.6	99.6
% with provider entity type = individual	23.8	72.9	81.5	51.1	34.9	27.8	60.1	40.1	48.0	64.8	80.0	64.7	46.4
% with provider entity type = organization	76.2	27.1	18.5	48.9	65.1	72.2	39.9	59.9	52.0	35.2	20.0	35.3	53.6

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	627	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	5,013	1,838	22,986	6,022	27,518	5,231	7,982	1,250	1,457	43,952	34,313	1,988	4,283
% individual or group of individuals	37.6	77.6	85.2	64.9	70.1	45.9	75.6	52.4	55.5	75.3	82.2	77.1	59.8
% allopathic and osteopathic physicians	21.4	27.1	57.4	39.6	36.4	24.4	58.8	26.8	43.7	53.1	49.3	40.5	23.2
% behavioral health and social service providers	0.7	1.3	2.5	1.6	2.1	2.4	3.7	11.1	0.5	1.5	3.8	13.1	3.9
% chiropractic providers	1.0	4.1	0.2	2.2	1.2	0.2	0.7	0.2	0.0	1.7	0.3	0.2	3.2
% dental providers	5.6	11.8	0.2	1.7	15.4	6.1	3.7	6.5	3.8	1.3	3.8	4.1	8.5
% dietary and nutritional service providers	0.0	0.9	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.1	0.1	0.2	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
% eye and vision service providers	3.6	3.2	1.5	5.4	4.8	2.6	2.8	0.8	0.9	2.4	1.6	4.4	3.8
% nursing service providers	0.2	0.3	0.5	0.5	1.0	0.1	0.1	1.4	0.0	0.2	0.4	0.2	0.3
% nursing service-related providers	0.0	0.2	0.3	0.2	0.0	0.1	0.0	0.2	0.0	0.2	0.1	0.1	0.5
% other service providers	2.4	4.8	3.7	3.5	5.1	3.3	1.3	1.0	1.4	3.9	3.6	6.0	3.3
% pharmacy service providers	0.3	0.1	0.0	0.1	0.0	0.1	0.0	0.8	0.1	0.1	0.1	0.2	0.1
% physician assistants and advanced practice nursing providers	0.7	9.8	9.1	2.1	0.3	0.5	2.1	1.0	2.0	4.0	11.8	2.4	6.9
% podiatric medicine and surgery service providers	0.6	0.5	1.1	1.3	1.7	1.2	1.5	2.2	2.4	1.4	0.8	1.0	1.1
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	9.9	5.4	2.4	0.6	1.9	0.6	0.2	0.1	1.5	2.9	4.3	3.7
% speech, language, and hearing service providers	0.3	3.4	2.8	3.7	1.0	2.6	0.2	0.0	0.1	1.6	2.3	0.6	0.7
% student health care	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0
% technologists, technicians, and other technical service providers	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.2
% group of individuals with multi- or single specialty	0.4	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.6	2.2	1.0	0.0	0.2
% nonindividuals	62.4	22.4	14.8	35.1	29.9	54.1	24.4	47.6	44.5	24.7	17.8	22.9	40.2
% agencies	12.5	2.0	2.2	5.4	4.4	8.6	2.4	1.0	5.2	3.8	3.6	2.6	10.6
% ambulatory health care facilities	5.5	3.0	2.6	5.6	10.8	7.2	4.9	9.7	9.7	3.5	2.4	5.0	10.5
% hospital units	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.2	0.2	0.0
% hospitals	10.5	4.1	3.9	3.8	5.5	10.0	2.9	3.4	4.9	3.6	3.3	2.6	3.2
% laboratories	2.8	2.2	0.5	1.2	1.1	1.4	1.2	1.8	2.2	0.4	0.4	0.5	1.4
% managed care organizations	0.3	0.1	0.1	0.1	0.4	0.1	0.0	0.0	0.0	0.2	0.1	0.4	0.0
% nursing and custodial care facilities	4.2	1.1	0.9	1.6	0.4	3.0	0.1	2.6	6.5	3.0	0.4	1.6	0.6
% residential treatment facilities	0.0	0.5	1.0	0.1	0.1	1.8	0.3	0.0	3.0	0.3	0.3	0.2	0.0
% respite care facility	0.0	0.2	0.9	0.0	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.1	0.0
% suppliers	22.7	6.7	1.7	15.2	5.0	18.8	9.8	23.8	12.1	9.1	6.5	9.3	12.0
% transportation services	3.9	2.4	0.9	2.1	2.1	2.8	2.6	5.3	0.6	0.5	0.6	0.6	1.9
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	1,200	1,373	18,961	3,089	9,704	1,477	4,848	490	696	28,534	27,404	1,315	1,986
% a sole proprietorship	54.3	32.8	19.0	30.4	50.9	48.3	24.2	49.8	32.9	27.0	20.5	48.5	32.9
% not a sole proprietorship	36.3	58.4	70.8	59.9	40.4	41.8	62.8	40.6	62.1	63.2	69.4	41.7	60.8
% not answered	9.4	8.8	10.2	9.7	8.7	9.9	13.0	9.6	5.0	9.8	10.1	9.7	6.2
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,841	511	4,310	2,955	18,126	3,836	3,219	731	754	15,529	6,832	716	2,293
% organization is a subpart	13.3	12.9	9.8	13.3	7.1	11.5	9.1	17.8	5.2	13.2	12.0	8.5	8.4
% organization is not a subpart	60.7	68.7	68.3	75.2	64.4	64.9	68.3	54.7	75.1	72.0	66.1	67.7	62.9
% not answered	26.1	18.4	21.9	11.5	28.6	23.6	22.6	27.5	19.8	14.8	21.9	23.7	28.7

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
OT Providers													
Number of provider IDs	18,057	11,374	15,413	11,783	17,889	11,476	5,473	13,191	20,643	131,261	86,854	7,293	12,541
% billing provider on OT claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% servicing provider on OT claim	0.0	64.6	88.4	74.8	80.6	97.7	0.0	98.7	38.8	66.2	27.3	74.8	26.8
% NPI servicing provider on OT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	2.6	0.0	0.0	0.0
% also a provider on IP claim	3.1	3.3	2.1	2.6	1.8	3.6	2.2	1.4	0.7	0.4	0.4	3.5	3.4
% also a provider on LT claim	2.0	0.7	2.9	0.3	0.0	0.0	0.1	0.1	2.1	0.3	0.7	0.5	0.0
% also a provider on RX claim	3.9	9.2	5.1	0.1	43.7	33.7	0.4	19.9	22.1	2.4	25.0	0.2	19.6
% provider IDs with NPI	6.5	95.8	92.6	66.4	87.7	72.6	22.8	90.3	31.7	17.9	22.0	85.0	41.8
% provider IDs linked to NPPES	6.5	95.5	58.0	66.1	87.5	72.5	22.4	53.6	31.7	17.8	19.6	84.3	41.0
% provider IDs with or without NPI but linked to state provider file	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of OT claims	5878.9	4,130.8	1408.8	1510.8	2,836.4	4203.2	2298.9	3,383.8	3211.8	920.7	743.9	3,642.7	4,905.0
average number of beneficiaries with OT claims	780.6	558.9	181.0	219.4	457.5	563.9	232.6	194.4	484.9	130.2	74.6	553.1	498.9
Provider IDs with NPI													
Number of provider IDs with NPI	1,179	10,891	14,278	7,820	15,694	8,334	1,246	11,917	6,542	23,486	19,100	6,197	5,237
% NPI source = MSIS	99.7	52.3	94.5	95.3	90.0	99.9	2.4	97.2	23.7	86.6	67.3	87.1	65.7
% NPI source = NPPES	0.3	5.1	5.5	4.7	10.0	0.1	97.6	2.8	76.3	13.4	32.7	12.9	34.3
% NPI source = state cross-reference file	0.0	42.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	1,176	10,857	8,943	7,786	15,653	8,316	1,224	7,069	6,542	23,303	17,026	6,148	5,146
% linked via NPI	99.7	94.8	91.2	95.3	90.0	99.9	0.7	95.4	23.7	86.4	63.3	87.0	65.1
% linked via Medicaid legacy provider ID	0.3	5.1	8.8	4.7	10.0	0.0	99.3	4.6	76.1	13.5	36.6	13.0	34.9
% linked via Medicare UPIN	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.1	0.0	0.0	0.0
% with name prefix	0.3	18.0	19.1	24.9	25.9	21.0	8.7	19.6	17.0	27.0	13.2	25.4	13.9
% with first name	0.4	27.0	33.4	50.8	57.6	36.5	16.7	31.7	29.4	47.8	40.5	41.3	22.7
% with middle name	0.3	23.2	30.0	43.1	46.9	30.6	13.8	23.4	22.7	37.4	35.1	35.1	19.1
% with last name	0.4	27.0	33.4	50.8	57.6	36.5	16.7	31.7	29.4	47.8	40.5	41.3	22.7
% with name suffix	0.0	1.1	0.5	1.4	2.6	3.8	0.8	1.2	1.0	1.4	0.6	4.5	1.1
% male	0.3	21.0	23.6	32.8	40.4	26.7	9.2	22.5	21.2	35.3	23.9	30.5	15.9
% female	0.2	6.0	9.8	18.1	17.1	9.8	7.4	9.2	8.2	12.4	16.7	10.8	6.8
% with credential	0.3	26.0	32.4	48.0	56.9	35.0	14.3	30.6	28.8	46.7	38.1	40.1	22.1
% with business name	99.6	73.0	66.6	49.2	42.4	63.5	83.3	68.3	70.6	52.2	59.5	58.7	77.3
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	65.2	84.0	79.1	83.0	80.6	81.5	95.3	85.5	96.4	86.7	85.6	78.6	86.4
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.1	98.4	99.5	97.0	99.8	98.3	100.0	98.2	98.4	99.0	99.5	99.5	99.2
% with provider entity type = individual	0.4	27.0	33.4	50.8	57.6	36.5	16.7	31.7	29.4	47.8	40.5	41.3	22.7
% with provider entity type = organization	99.6	73.0	66.6	49.2	42.4	63.5	83.3	68.3	70.6	52.2	59.5	58.7	77.3

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	472	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	1,168	10,715	8,929	7,550	15,658	8,172	1,224	7,075	6,438	23,175	17,122	6,133	5,115
% individual or group of individuals	49.5	59.3	57.9	59.6	69.2	54.3	39.9	62.5	61.6	60.1	37.1	60.0	46.4
% allopathic and osteopathic physicians	0.0	30.4	20.2	31.0	46.2	32.1	18.3	43.3	23.4	40.3	17.6	34.2	27.6
% behavioral health and social service providers	0.0	3.4	2.1	5.8	0.5	1.1	4.4	3.7	3.9	1.5	5.2	1.8	4.7
% chiropractic providers	0.0	4.8	8.9	0.1	2.5	0.6	1.8	0.5	1.5	1.5	2.6	1.5	0.4
% dental providers	0.0	9.8	9.2	3.5	5.4	5.6	1.6	1.6	3.9	8.4	2.5	6.2	2.8
% dietary and nutritional service providers	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
% emergency medical service providers	0.0	0.1	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	0.0	3.7	3.6	5.2	2.5	1.7	3.6	1.2	4.2	1.7	1.9	3.6	3.3
% nursing service providers	0.0	0.1	0.3	0.5	0.2	0.2	0.1	0.4	0.6	0.3	0.3	1.4	0.2
% nursing service-related providers	0.0	0.2	0.0	0.6	0.0	3.3	0.1	1.1	0.3	0.0	0.0	1.2	0.8
% other service providers	0.0	2.4	0.9	3.4	2.8	4.7	2.5	4.8	1.3	1.3	0.4	1.3	1.4
% pharmacy service providers	49.4	0.2	0.3	0.3	0.1	0.0	0.2	0.0	0.0	0.2	0.1	0.0	0.1
% physician assistants and advanced practice nursing providers	0.0	0.5	4.5	5.9	6.0	1.6	0.4	0.6	0.5	2.2	4.4	3.7	1.3
% podiatric medicine and surgery service providers	0.0	1.4	1.3	0.4	0.8	0.6	1.2	3.7	1.5	1.4	0.2	0.8	1.4
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.9	1.3	1.3	0.7	1.2	3.8	1.2	0.6	0.4	1.0	1.0	0.6
% speech, language, and hearing service providers	0.1	0.7	0.7	0.9	0.2	1.4	1.7	0.2	0.5	0.3	0.6	0.8	0.4
% student health care	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
% group of individuals with multi- or single specialty	0.0	0.6	4.2	0.0	0.8	0.0	0.0	0.0	19.5	0.6	0.2	2.4	1.3
% nonindividuals	50.5	40.7	42.1	40.4	30.8	45.7	60.1	37.5	38.4	39.9	62.9	40.0	53.6
% agencies	0.3	5.9	9.1	10.4	7.1	20.4	27.9	2.9	5.9	3.7	5.2	3.6	9.0
% ambulatory health care facilities	0.2	4.9	5.1	6.3	3.2	6.3	4.8	8.1	6.5	3.5	4.7	9.1	10.8
% hospital units	0.3	0.3	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.3	0.2	0.1	0.0
% hospitals	38.6	7.1	3.9	4.4	3.0	6.4	1.8	4.6	3.4	11.9	38.4	7.8	5.5
% laboratories	0.0	1.4	1.1	1.7	1.0	1.4	0.4	1.4	0.5	0.7	0.2	2.9	1.8
% managed care organizations	0.0	0.1	0.1	0.2	0.0	1.5	0.1	0.1	0.1	0.0	0.0	0.0	0.1
% nursing and custodial care facilities	7.7	0.8	5.0	3.0	0.1	1.3	6.0	2.9	7.7	0.6	3.6	0.8	0.7
% residential treatment facilities	1.8	0.5	0.8	0.8	0.4	1.1	10.5	0.0	0.1	0.1	0.9	0.1	2.4
% respite care facility	0.0	0.1	0.1	0.1	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.1
% suppliers	1.5	16.3	12.5	10.9	13.5	6.1	4.8	14.8	10.2	16.9	8.7	14.0	19.9
% transportation services	0.1	3.5	4.0	2.5	2.2	0.5	3.8	2.6	3.9	2.2	0.9	1.2	3.3
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX OT Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	5	2,931	2,983	3,957	9,010	3,035	204	2,241	1,922	11,131	6,896	2,541	1,169
% a sole proprietorship	60.0	54.3	33.3	26.0	20.6	39.4	70.1	50.6	49.6	27.1	14.9	40.4	46.6
% not a sole proprietorship	40.0	35.4	51.3	58.3	72.1	50.0	29.9	36.8	37.5	60.9	82.3	53.4	41.3
% not answered	0.0	10.3	15.4	15.8	7.3	10.6	0.0	12.7	12.9	11.9	2.7	6.2	12.1
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,171	7,926	5,960	3,829	6,643	5,281	1,020	4,828	4,620	12,172	10,130	3,607	3,977
% organization is a subpart	10.2	11.0	10.4	12.1	10.6	4.5	8.1	9.1	6.3	12.2	11.8	11.2	15.2
% organization is not a subpart	70.5	67.3	62.6	58.5	73.0	62.0	91.7	71.1	60.1	73.3	77.7	66.0	73.6
% not answered	19.2	21.7	27.0	29.4	16.4	33.4	0.2	19.8	33.5	14.6	10.5	22.8	11.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
OT Providers													
Number of provider IDs	5,601	17,005	6,091	4,496	29,557	25,799	88,530	27,816	5,362	30,055	10,506	30,347	25,052
% billing provider on OT claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% servicing provider on OT claim	80.0	85.2	0.0	82.3	88.9	82.2	97.1	96.6	90.9	0.0	60.8	13.7	81.8
% NPI servicing provider on OT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% also a provider on IP claim	2.5	1.2	0.9	2.3	1.6	1.8	1.2	1.0	1.7	1.2	3.3	0.5	1.4
% also a provider on LT claim	0.2	1.5	0.0	0.3	0.5	0.6	0.8	0.1	0.0	2.4	0.2	0.1	1.1
% also a provider on RX claim	16.6	7.9	0.4	6.0	53.0	28.7	64.1	22.9	17.1	9.5	2.7	2.3	6.6
% provider IDs with NPI	72.6	9.6	16.6	64.6	84.8	56.2	79.8	99.7	18.4	49.1	62.2	15.0	53.0
% provider IDs linked to NPPES	72.4	9.6	16.6	23.1	84.6	56.0	79.4	99.3	18.3	37.6	61.6	15.0	52.7
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
average number of OT claims	868.5	597.9	1457.5	1906.2	1885.1	1,088.3	2,878.9	4,107.4	657.1	2673.9	3,871.1	1,152.8	3321.8
average number of beneficiaries with OT claims	126.3	100.4	209.5	163.3	251.0	168.2	377.4	438.8	81.1	220.8	478.7	100.2	325.4
Provider IDs with NPI													
Number of provider IDs with NPI	4,066	1,624	1,013	2,906	25,072	14,491	70,623	27,736	985	14,754	6,531	4,553	13,269
% NPI source = MSIS	100.0	0.0	7.7	68.1	92.2	98.4	85.8	88.9	98.3	23.3	86.2	82.5	99.6
% NPI source = NPPES	0.0	100.0	92.3	31.9	7.8	1.6	14.2	4.5	1.7	76.7	13.8	17.5	0.4
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	4,054	1,624	1,013	1,039	24,998	14,437	70,250	27,630	980	11,310	6,472	4,542	13,196
% linked via NPI	100.0	0.0	7.7	10.8	92.2	98.4	85.7	95.5	98.3	0.0	86.1	82.5	99.6
% linked via Medicaid legacy provider ID	0.0	99.9	92.1	89.0	7.8	1.6	14.2	4.5	0.1	99.2	13.9	14.5	0.4
% linked via Medicare UPIN	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	1.6	0.8	0.0	3.0	0.0
% with name prefix	26.7	36.6	19.6	16.4	33.9	20.3	42.3	16.0	12.9	29.9	20.3	27.7	25.8
% with first name	52.2	59.5	40.7	26.5	68.4	43.6	81.9	24.6	20.9	52.6	35.0	51.0	44.6
% with middle name	43.2	54.3	32.0	20.7	42.8	32.5	49.6	21.0	18.8	43.9	30.8	44.1	36.2
% with last name	52.2	59.5	40.7	26.5	68.4	43.6	81.9	24.6	20.9	52.6	35.0	51.0	44.6
% with name suffix	1.3	1.6	1.3	0.6	1.4	1.1	1.2	1.9	0.5	1.7	1.5	1.2	2.2
% male	30.0	39.3	30.2	12.0	47.1	25.6	51.0	14.5	15.5	33.3	22.9	33.5	34.3
% female	22.2	20.2	10.5	14.4	21.3	18.0	30.9	10.1	5.4	19.3	12.0	17.5	10.4
% with credential	50.5	58.4	40.4	25.8	65.9	42.5	78.2	23.4	20.4	47.1	33.9	49.9	43.7
% with business name	47.8	40.5	59.3	73.5	31.6	56.4	18.1	75.4	79.1	47.4	65.0	49.0	55.4
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	81.7	93.5	89.5	88.6	83.6	60.1	90.8	92.9	72.3	93.5	84.9	86.4	91.7
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.1	96.9	100.0	95.5	97.7	99.2	97.8	98.6	99.8	98.3	100.0	99.6	99.5
% with provider entity type = individual	52.2	59.5	40.7	26.5	68.4	43.6	81.9	24.6	20.9	52.6	35.0	51.0	44.6
% with provider entity type = organization	47.8	40.5	59.3	73.5	31.6	56.4	18.1	75.4	79.1	47.4	65.0	49.0	55.4

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	105	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	3,984	1,573	1,013	2,287	24,446	14,364	68,736	27,298	983	11,114	6,530	4,534	13,194
% individual or group of individuals	55.9	72.7	63.2	59.9	77.3	62.5	85.2	55.8	44.8	78.7	45.5	62.7	51.9
% allopathic and osteopathic physicians	17.9	21.4	45.1	18.5	63.4	31.4	56.5	24.2	11.3	41.8	23.1	32.5	28.6
% behavioral health and social service providers	13.5	12.3	2.1	17.3	1.0	8.5	4.2	9.2	5.5	2.1	3.1	4.3	1.0
% chiropractic providers	1.7	9.7	0.2	1.4	0.4	0.6	0.1	2.4	8.4	4.2	0.1	1.4	3.6
% dental providers	7.7	13.5	2.2	6.3	2.8	4.1	6.0	6.7	7.1	5.6	5.9	4.2	5.2
% dietary and nutritional service providers	0.1	0.2	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.0	0.1
% emergency medical service providers	0.1	0.0	0.0	0.6	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0
% eye and vision service providers	2.5	5.0	4.1	3.2	1.8	2.1	1.9	2.6	4.1	3.8	4.6	3.2	2.8
% nursing service providers	0.1	0.2	0.1	0.4	0.1	0.3	2.9	0.1	1.6	6.3	0.8	3.7	0.3
% nursing service-related providers	0.0	0.0	0.2	0.0	0.3	1.2	0.0	2.7	0.0	4.4	0.8	0.0	0.0
% other service providers	1.1	1.7	2.3	1.6	3.1	3.3	3.5	2.1	0.3	4.0	0.7	5.4	0.8
% pharmacy service providers	0.1	0.3	0.0	0.7	0.1	0.0	0.3	0.1	1.6	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	4.0	2.9	2.0	1.1	1.5	3.6	5.5	0.9	0.8	1.4	2.6	2.5	0.9
% podiatric medicine and surgery service providers	0.5	1.8	1.4	1.1	2.1	0.7	1.9	0.8	0.4	3.9	0.3	1.6	3.2
% respiratory, developmental, rehabilitative, and restorative service providers	4.1	2.6	2.1	5.2	0.1	1.8	1.7	1.4	1.3	0.8	0.9	1.2	1.3
% speech, language, and hearing service providers	2.1	1.0	0.7	1.3	0.2	0.9	0.2	1.7	1.3	0.1	1.6	0.7	0.9
% student health care	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0
% technologists, technicians, and other technical service providers	0.1	0.0	0.3	0.0	0.1	0.5	0.0	0.1	0.0	0.1	0.0	0.2	0.0
% group of individuals with multi- or single specialty	0.4	0.0	0.5	0.8	0.1	3.3	0.0	1.0	0.8	0.0	0.4	1.3	3.2
% nonindividuals	44.1	27.3	36.8	40.1	22.7	37.5	14.8	44.2	55.2	21.3	54.5	37.3	48.1
% agencies	10.8	3.5	5.7	11.1	2.5	3.6	2.9	12.9	4.1	4.9	7.8	5.0	8.7
% ambulatory health care facilities	3.8	5.4	10.2	3.8	2.9	7.7	1.3	4.6	9.6	5.6	13.4	9.5	10.2
% hospital units	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.5	0.0	0.0	0.2	0.2
% hospitals	8.7	1.1	4.3	2.3	2.1	10.5	1.2	2.2	11.2	1.1	6.0	2.7	4.9
% laboratories	1.4	0.4	0.5	0.9	0.4	2.0	0.1	0.5	0.8	0.6	2.0	1.7	1.9
% managed care organizations	0.1	0.1	0.3	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	0.2	0.0
% nursing and custodial care facilities	2.8	3.1	0.6	0.8	1.4	1.0	0.7	5.4	1.4	0.2	0.1	1.5	2.0
% residential treatment facilities	0.5	0.2	0.9	1.7	0.4	0.3	0.3	4.5	0.1	0.0	0.4	2.1	0.3
% respite care facility	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
% suppliers	12.8	10.4	12.3	14.1	11.6	9.3	7.0	12.8	20.3	2.1	20.8	11.5	13.7
% transportation services	3.0	3.2	2.0	5.1	1.1	2.9	1.0	1.0	7.1	6.6	3.9	3.0	6.4
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

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Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	2,116	967	412	275	17,102	6,300	57,549	6,799	205	5,945	2,264	2,318	5,886
% a sole proprietorship	38.4	37.1	35.7	51.6	23.1	34.1	29.5	44.4	38.5	43.7	47.2	43.6	38.4
% not a sole proprietorship	54.6	54.0	64.3	43.3	65.2	56.5	60.7	46.9	52.7	46.1	45.6	44.6	49.8
% not answered	7.0	8.9	0.0	5.1	11.6	9.4	9.8	8.7	8.8	10.2	7.2	11.8	11.7
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,938	657	601	764	7,896	8,137	12,701	20,831	775	5,365	4,208	2,224	7,310
% organization is a subpart	10.7	15.1	13.6	15.3	8.2	10.9	9.4	9.1	7.6	7.8	13.7	10.7	10.5
% organization is not a subpart	63.6	63.2	86.4	63.1	65.6	68.1	64.8	67.3	70.8	71.8	66.6	67.9	69.4
% not answered	25.7	21.8	0.0	21.6	26.2	21.0	25.8	23.5	21.5	20.4	19.7	21.4	20.1

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

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6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
OT Providers												
Number of provider IDs	7,193	9,896	8,303	25,788	86,143	7,008	3,926	32,348	23,018	6,175	30,467	3,397
% billing provider on OT claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% servicing provider on OT claim	71.0	61.5	99.3	92.6	83.0	82.5	63.3	0.0	84.4	69.1	93.7	66.4
% NPI servicing provider on OT claim	8.5	0.0	0.0	0.0	56.7	0.0	0.0	92.2	0.0	0.0	51.3	0.0
% also a provider on IP claim	14.1	1.5	0.0	3.0	0.9	1.2	2.1	2.7	1.6	3.4	1.2	2.9
% also a provider on LT claim	0.2	0.1	0.0	1.3	1.3	0.1	0.2	0.3	0.2	0.0	1.3	1.0
% also a provider on RX claim	9.6	29.4	0.1	0.2	1.7	4.3	30.3	50.8	6.8	0.0	56.9	12.8
% provider IDs with NPI	10.8	3.6	57.1	84.7	58.4	76.0	75.3	92.5	45.8	72.8	52.7	37.8
% provider IDs linked to NPPES	10.8	3.5	57.1	84.4	57.8	75.7	75.2	87.4	45.5	72.5	52.4	37.7
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of OT claims	978.0	3,668.8	535.0	2,680.7	2973.5	2015.8	2151.7	1,055.0	1,953.2	2,476.7	2004.4	787.7
average number of beneficiaries with OT claims	164.8	480.2	102.3	468.8	396.7	247.3	264.8	207.0	335.3	301.2	292.6	103.6
Provider IDs with NPI												
Number of provider IDs with NPI	778	352	4,745	21,836	50,292	5,327	2,956	29,925	10,532	4,493	16,046	1,283
% NPI source = MSIS	83.8	54.5	67.0	100.0	99.9	99.4	82.3	99.7	100.0	81.1	98.0	80.5
% NPI source = NPPES	16.2	45.5	33.0	0.0	0.1	0.6	17.7	0.3	0.0	18.9	2.0	19.5
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	776	351	4,738	21,753	49,787	5,302	2,952	28,263	10,478	4,477	15,950	1,281
% linked via NPI	83.8	54.4	67.0	100.0	99.9	99.4	82.3	99.7	100.0	81.0	98.0	80.5
% linked via Medicaid legacy provider ID	8.1	39.9	33.0	0.0	0.1	0.6	17.7	0.3	0.0	19.0	2.0	19.5
% linked via Medicare UPIN	8.1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	23.1	12.3	17.6	39.6	34.8	30.6	39.2	35.7	17.5	17.0	25.9	26.4
% with first name	41.8	19.9	57.5	84.8	73.8	59.5	70.5	74.9	30.1	27.5	62.0	43.9
% with middle name	33.8	16.8	48.5	68.3	55.3	53.1	54.5	59.0	26.4	24.1	50.8	38.0
% with last name	41.8	19.9	57.5	84.8	73.8	59.5	70.5	74.9	30.1	27.5	62.0	43.9
% with name suffix	2.1	1.1	0.7	5.0	3.0	1.2	1.4	3.8	0.6	2.3	0.8	1.9
% male	32.7	14.0	37.0	56.6	45.8	49.7	33.8	48.6	21.6	21.8	33.2	28.4
% female	9.0	6.0	20.5	28.2	27.9	9.8	36.7	26.3	8.5	5.7	28.8	15.5
% with credential	41.0	18.5	55.7	83.2	71.4	57.8	69.1	72.2	29.4	26.7	59.2	37.9
% with business name	58.2	80.1	42.5	15.2	26.2	40.5	29.5	25.1	69.9	72.5	38.0	56.1
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = OT state code	82.7	65.8	73.8	86.0	95.4	86.0	79.4	76.9	91.4	71.6	83.4	73.1
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.0	98.6	99.2	99.2	99.2	98.8	97.9	98.7	99.0	99.5	99.3	99.8
% with provider entity type = individual	41.8	19.9	57.5	84.8	73.8	59.5	70.5	74.9	30.1	27.5	62.0	43.9
% with provider entity type = organization	58.2	80.1	42.5	15.2	26.2	40.5	29.5	25.1	69.9	72.5	38.0	56.1

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with or without NPI but linked to state provider file												
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	770	347	4,704	21,647	49,580	5,249	2,890	28,526	10,389	4,471	15,921	1,280
% individual or group of individuals	46.4	29.4	66.3	86.9	76.3	73.6	79.2	80.5	57.7	45.2	68.3	47.4
% allopathic and osteopathic physicians	26.1	13.5	35.2	56.4	47.8	38.3	35.0	56.1	25.5	20.5	22.5	17.7
% behavioral health and social service providers	2.9	2.9	4.5	3.6	7.4	1.5	23.4	7.4	1.6	2.2	12.2	4.3
% chiropractic providers	0.8	2.9	4.2	0.5	0.7	4.0	2.7	0.1	0.3	2.0	5.1	1.1
% dental providers	7.5	2.3	0.7	2.1	5.2	12.2	6.1	4.0	8.9	7.8	5.0	13.9
% dietary and nutritional service providers	0.0	0.3	0.1	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
% eye and vision service providers	2.6	2.3	3.2	2.9	1.8	4.1	2.0	2.1	5.2	2.4	3.5	5.8
% nursing service providers	0.0	0.0	0.1	0.2	0.3	0.4	0.8	0.1	0.7	0.2	0.4	0.0
% nursing service-related providers	0.0	0.3	0.0	0.0	0.2	0.1	0.1	0.2	0.0	3.4	0.0	0.0
% other service providers	2.1	2.9	1.2	2.4	1.4	2.9	1.6	6.5	3.3	2.4	0.3	0.7
% pharmacy service providers	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
% physician assistants and advanced practice nursing providers	0.6	0.0	12.0	13.6	5.1	2.2	4.4	1.4	2.3	0.3	10.5	1.5
% podiatric medicine and surgery service providers	2.6	0.0	0.7	0.8	0.9	1.9	0.6	1.1	2.0	1.1	0.6	0.8
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	0.6	2.2	2.2	1.7	3.3	1.9	0.4	3.8	1.0	5.5	1.0
% speech, language, and hearing service providers	0.4	1.4	1.4	0.8	2.0	1.0	0.3	0.4	1.5	0.5	1.7	0.5
% student health care	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.3	0.0	0.4	1.0	1.5	1.4	0.1	0.1	2.2	1.5	0.8	0.0
% nonindividuals	53.6	70.6	33.7	13.1	23.7	26.4	20.8	19.5	42.3	54.8	31.7	52.6
% agencies	16.5	12.1	6.0	1.4	5.8	3.9	3.6	3.4	3.9	6.3	5.1	20.6
% ambulatory health care facilities	3.6	1.2	4.8	1.6	3.8	4.6	3.7	1.9	10.3	7.0	5.1	7.0
% hospital units	0.1	0.9	0.2	0.1	0.1	0.2	0.3	0.0	0.2	0.2	0.0	0.0
% hospitals	7.0	42.1	7.9	4.5	1.6	4.3	3.3	3.0	4.6	8.4	4.9	8.6
% laboratories	1.2	0.3	0.8	0.4	0.8	1.3	1.0	0.6	1.4	5.8	0.9	1.3
% managed care organizations	0.0	0.6	0.0	0.0	0.1	0.1	0.1	0.0	1.2	0.0	0.0	0.1
% nursing and custodial care facilities	2.7	2.9	3.1	1.3	2.3	0.2	1.9	0.3	0.2	0.4	2.4	2.0
% residential treatment facilities	1.8	0.9	0.5	0.1	0.1	0.2	0.3	0.6	0.3	0.8	0.1	0.2
% respite care facility	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.2	0.0	0.0
% suppliers	15.8	9.5	6.7	2.8	7.3	9.8	3.1	8.1	17.4	17.9	10.3	8.8
% transportation services	4.7	0.0	3.8	0.9	1.8	1.8	3.6	1.4	2.7	6.7	2.9	4.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	324	70	2,726	18,446	36,731	3,153	2,081	21,163	3,157	1,230	9,889	562
% a sole proprietorship	51.9	25.7	10.5	18.3	29.7	29.8	42.9	16.4	53.4	52.8	13.4	56.2
% not a sole proprietorship	40.4	62.9	81.6	70.7	64.4	61.5	48.3	73.1	37.4	37.1	77.7	37.7
% not answered	7.7	11.4	7.9	11.0	5.9	8.7	8.8	10.5	9.2	10.1	8.9	6.0
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	452	281	2,012	3,307	13,056	2,149	871	7,100	7,321	3,247	6,061	719
% organization is a subpart	10.2	6.4	9.3	9.7	9.8	8.4	5.9	9.3	14.0	8.7	15.9	8.2
% organization is not a subpart	58.8	67.3	65.7	69.7	65.2	78.8	53.7	69.5	69.1	67.0	67.3	67.3
% not answered	31.0	26.3	25.0	20.6	25.0	12.8	40.4	21.2	16.9	24.3	16.8	24.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
RX Providers													
Number of provider IDs	2,797	173	2,393	1,719	25,779	21,075	26,181	265	399	8,044	2,378	530	1,276
% billing provider on RX claim	50.1	100.0	50.0	50.1	100.0	4.0	4.4	100.0	53.1	50.2	99.4	51.3	66.7
% prescribing provider on RX claim	0.0	0.0	12.9	47.8	31.0	1.1	93.5	0.0	7.3	23.2	4.1	39.2	0.0
% NPI billing provider on RX claim	49.9	100.0	50.0	49.9	95.2	96.0	95.6	100.0	46.9	49.8	93.1	48.7	33.3
% also a provider on IP claim	0.0	0.0	0.7	0.0	0.1	0.0	0.0	0.4	0.0	0.2	0.4	4.5	0.3
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.5
% also a provider on OT claim	18.1	45.7	9.2	23.0	9.0	62.1	40.0	64.9	26.6	39.2	66.7	64.2	23.2
% provider IDs with NPI	100.0	100.0	100.0	99.8	96.3	99.4	98.4	100.0	95.7	99.8	95.3	93.2	99.5
% provider IDs linked to NPPES	99.7	99.4	99.6	99.3	27.9	99.0	97.5	99.6	93.7	98.8	92.6	92.5	83.4
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of RX claims	6407.0	6,010.7	9639.4	5,841.5	2,723.4	319.1	985.4	7,253.4	2651.0	5,895.0	6,537.2	4365.6	2,746.5
average number of beneficiaries with RX claims	648.3	594.2	1243.2	822.7	345.5	52.6	88.7	863.5	190.9	638.9	778.9	756.9	348.6
Provider IDs with NPI													
Number of provider IDs with NPI	2,797	173	2,392	1,716	24,832	20,955	25,763	265	382	8,031	2,266	494	1,269
% NPI source = MSIS	100.0	100.0	100.0	99.9	98.9	96.6	98.9	100.0	98.4	100.0	99.5	99.8	99.8
% NPI source = NPPES	0.0	0.0	0.0	0.1	1.1	3.4	1.1	0.0	1.6	0.0	0.5	0.2	0.2
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	2,789	172	2,384	1,707	7,198	20,854	25,519	264	374	7,945	2,203	490	1,064
% linked via NPI	100.0	100.0	100.0	99.9	96.1	96.6	98.9	100.0	98.4	100.0	99.5	99.8	99.7
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	0.1	0.1	3.4	1.1	0.0	1.6	0.0	0.5	0.2	0.3
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	0.2	1.2	0.8	0.5	2.3	41.8	45.0	0.0	0.0	0.4	0.3	3.9	0.0
% with first name	0.4	1.2	1.8	0.8	4.7	94.1	91.2	0.0	0.0	0.6	0.5	6.7	0.4
% with middle name	0.3	1.2	1.4	0.8	3.5	71.8	61.1	0.0	0.0	0.5	0.4	5.5	0.4
% with last name	0.4	1.2	1.8	0.8	4.7	94.1	91.2	0.0	0.0	0.6	0.5	6.7	0.4
% with name suffix	0.1	0.0	0.0	0.3	0.1	2.0	1.9	0.0	0.0	0.0	0.1	0.0	0.0
% male	0.4	0.6	1.2	0.8	3.4	54.6	53.4	0.0	0.0	0.5	0.3	5.3	0.4
% female	0.0	0.6	0.6	0.0	1.3	39.5	37.8	0.0	0.0	0.1	0.1	1.4	0.0
% with credential	0.3	1.2	1.7	0.6	4.4	90.9	88.1	0.0	0.0	0.5	0.5	6.1	0.4
% with business name	99.6	98.8	98.2	99.2	95.3	5.9	8.8	100.0	100.0	99.4	99.5	93.3	99.6
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	93.2	66.3	90.8	88.3	81.4	78.6	68.1	68.2	54.5	99.3	96.3	97.1	74.5
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	100.0	95.9	99.7	98.5	98.6	99.0	98.0	100.0	96.8	99.7	99.9	99.2	99.8
% with provider entity type = individual	0.4	1.2	1.8	0.8	4.7	94.1	91.2	0.0	0.0	0.6	0.5	6.7	0.4
% with provider entity type = organization	99.6	98.8	98.2	99.2	95.3	5.9	8.8	100.0	100.0	99.4	99.5	93.3	99.6

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	2,797	165	2,386	1,684	7,115	20,653	25,030	265	362	7,999	2,248	486	1,261
% individual or group of individuals	8.4	5.5	2.3	8.3	6.8	74.8	91.9	20.8	0.8	2.8	5.3	9.7	1.3
% allopathic and osteopathic physicians	0.0	1.8	1.0	0.0	3.7	44.8	55.5	0.0	0.0	0.4	0.2	6.2	0.0
% behavioral health and social service providers	0.0	0.0	0.0	0.0	0.0	1.0	1.3	0.0	0.0	0.0	1.7	0.0	0.0
% chiropractic providers	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.0	0.0	0.0	0.0	9.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	0.0	0.0	0.0	0.1	0.0	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.1	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% other service providers	0.0	0.0	0.1	0.0	0.1	2.0	2.1	0.0	0.0	0.0	0.0	0.6	0.0
% pharmacy service providers	8.1	3.6	0.7	8.1	2.8	0.2	0.1	20.8	0.8	2.3	3.2	2.9	1.2
% physician assistants and advanced practice nursing providers	0.0	0.0	0.5	0.0	0.0	11.4	13.7	0.0	0.0	0.0	0.0	0.0	0.0
% podiatric medicine and surgery service providers	0.0	0.0	0.0	0.0	0.0	0.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.0	0.0	0.0	2.1	6.8	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.1	0.0	0.1
% nonindividuals	91.6	94.5	97.7	91.7	93.2	25.2	8.1	79.2	99.2	97.2	94.7	90.3	98.7
% agencies	0.1	0.0	0.1	0.1	0.1	0.3	0.1	0.0	0.6	0.2	0.3	0.0	0.6
% ambulatory health care facilities	0.0	0.6	1.0	0.0	1.4	0.4	0.9	0.0	0.0	0.3	0.2	3.3	0.0
% hospital units	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
% hospitals	0.0	0.6	0.6	0.1	0.5	19.9	0.6	0.4	0.0	0.0	0.1	3.7	0.7
% laboratories	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.6	0.0
% nursing and custodial care facilities	0.1	0.6	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.3
% residential treatment facilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	91.5	92.7	95.8	91.3	91.1	4.5	6.4	78.9	98.6	96.5	93.6	81.3	97.1
% transportation services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	10	2	42	13	339	19,624	23,269	0	0	44	10	33	4
% a sole proprietorship	80.0	50.0	47.6	46.2	31.3	15.7	22.5	0.0	0.0	31.8	80.0	36.4	25.0
% not a sole proprietorship	0.0	50.0	47.6	53.8	57.8	75.5	68.3	0.0	0.0	68.2	20.0	63.6	75.0
% not answered	20.0	0.0	4.8	0.0	10.9	8.9	9.2	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	2,779	170	2,342	1,694	6,859	1,230	2,250	264	374	7,901	2,193	457	1,060
% organization is a subpart	21.8	25.3	35.4	27.6	24.4	32.8	13.5	37.5	5.6	28.9	18.8	14.0	21.0
% organization is not a subpart	62.8	60.6	61.9	57.5	68.9	57.0	67.8	54.5	88.5	66.6	71.1	71.6	70.5
% not answered	15.5	14.1	2.7	14.9	6.7	10.2	18.7	8.0	5.9	4.6	10.1	14.4	8.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

- Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
- Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
- New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
- Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
- Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
- Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
RX Providers													
Number of provider IDs	3,760	2,726	12,599	2,366	2,658	2,545	734	2,508	3,677	11,909	2,816	1,766	6,847
% billing provider on RX claim	27.0	49.7	7.9	55.3	50.8	49.1	50.4	50.4	66.6	97.6	50.0	50.0	41.8
% prescribing provider on RX claim	0.3	1.1	0.0	0.0	19.1	0.0	0.0	6.1	28.2	10.6	30.0	0.0	8.8
% NPI billing provider on RX claim	73.0	50.3	92.1	44.7	49.2	50.9	49.6	49.6	33.4	24.3	50.0	50.0	58.2
% also a provider on IP claim	0.9	0.1	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.6	0.1	6.1
% also a provider on LT claim	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.2	0.0	0.0
% also a provider on OT claim	74.5	81.2	90.0	19.6	57.2	1.4	3.0	25.5	25.4	18.9	78.4	16.5	57.1
% provider IDs with NPI	96.5	100.0	97.4	99.9	99.0	98.7	100.0	99.4	87.8	53.1	99.3	99.9	95.4
% provider IDs linked to NPPES	96.0	99.5	96.9	99.7	98.5	97.4	0.0	99.0	87.4	52.7	97.3	99.3	79.9
% provider IDs with or without NPI but linked to state provider file	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of RX claims	13436.3	8,672.4	652.4	3272.5	8,892.7	9809.0	10093.5	4,324.8	4744.5	1,913.6	7895.7	6,435.4	3,835.5
average number of beneficiaries with RX claims	1445.9	896.8	88.6	272.6	838.0	1179.4	914.8	436.8	674.1	248.6	639.2	887.1	386.6
Provider IDs with NPI													
Number of provider IDs with NPI	3,628	2,726	12,269	2,364	2,632	2,511	734	2,494	3,228	6,322	2,797	1,764	6,529
% NPI source = MSIS	100.0	98.8	94.7	100.0	100.0	100.0	100.0	100.0	76.5	91.5	99.5	100.0	97.7
% NPI source = NPPES	0.0	0.3	5.3	0.0	0.0	0.0	0.0	0.0	23.5	8.5	0.5	0.0	2.3
% NPI source = state cross-reference file	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	3,609	2,712	12,214	2,360	2,618	2,479	0	2,484	3,214	6,281	2,739	1,754	5,468
% linked via NPI	100.0	99.7	94.7	100.0	100.0	100.0	0.0	100.0	76.4	91.5	99.5	100.0	97.3
% linked via Medicaid legacy provider ID	0.0	0.3	5.3	0.0	0.0	0.0	0.0	0.0	23.6	8.5	0.5	0.0	2.7
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	0.3	0.0	33.1	0.1	0.7	1.0	0.0	0.0	0.0	0.5	0.0	0.9	2.9
% with first name	0.6	0.0	90.3	0.2	1.4	1.6	0.0	0.0	0.0	1.1	0.0	1.0	5.7
% with middle name	0.5	0.0	75.5	0.2	1.2	1.4	0.0	0.0	0.0	0.7	0.0	0.9	5.1
% with last name	0.6	0.0	90.3	0.2	1.4	1.6	0.0	0.0	0.0	1.1	0.0	1.0	5.7
% with name suffix	0.0	0.0	1.7	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3
% male	0.5	0.0	60.4	0.2	1.0	1.3	0.0	0.0	0.0	0.8	0.0	0.9	4.1
% female	0.2	0.0	29.8	0.0	0.4	0.4	0.0	0.0	0.0	0.3	0.0	0.1	1.6
% with credential	0.6	0.0	89.2	0.2	1.4	1.5	0.0	0.0	0.0	1.0	0.0	0.9	5.5
% with business name	99.4	100.0	9.7	99.8	98.6	98.4	0.0	100.0	100.0	98.9	100.0	99.0	94.3
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	83.3	87.7	65.6	61.7	86.1	89.8	0.0	90.0	96.5	91.6	80.8	91.1	85.2
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.3	99.2	98.8	97.4	99.4	96.6	0.0	96.9	99.3	99.1	98.8	100.0	98.9
% with provider entity type = individual	0.6	0.0	90.3	0.2	1.4	1.6	0.0	0.0	0.0	1.1	0.0	1.0	5.7
% with provider entity type = organization	99.4	100.0	9.7	99.8	98.6	98.4	0.0	100.0	100.0	98.9	100.0	99.0	94.3

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	14	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	3,597	2,705	12,098	2,299	2,609	2,395	0	2,407	3,207	6,240	2,727	1,764	5,413
% individual or group of individuals	46.8	3.7	92.7	3.1	5.5	6.6	0.0	1.5	0.3	8.8	1.7	0.5	26.2
% allopathic and osteopathic physicians	0.0	0.1	67.9	0.0	1.1	0.9	0.0	0.1	0.0	5.8	0.0	0.0	20.8
% behavioral health and social service providers	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2
% chiropractic providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.0	9.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% eye and vision service providers	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing service providers	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% other service providers	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.9
% pharmacy service providers	46.8	3.5	0.4	3.1	3.8	5.6	0.0	1.4	0.2	2.2	1.7	0.3	1.3
% physician assistants and advanced practice nursing providers	0.0	0.0	8.6	0.0	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.1	1.1
% podiatric medicine and surgery service providers	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.1	0.8	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.3
% nonindividuals	53.2	96.3	7.3	96.9	94.5	93.4	0.0	98.5	99.7	91.2	98.3	99.5	73.8
% agencies	0.2	0.4	0.1	0.0	0.4	0.3	0.0	0.1	0.0	1.0	0.3	0.0	2.0
% ambulatory health care facilities	0.0	0.2	0.7	0.1	0.2	0.0	0.0	0.0	1.0	1.2	0.2	0.0	11.6
% hospital units	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
% hospitals	0.3	0.2	0.4	0.0	0.5	0.1	0.0	0.2	0.2	0.2	0.7	0.2	4.5
% laboratories	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1
% nursing and custodial care facilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% residential treatment facilities	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	52.7	95.5	6.0	96.8	93.0	92.9	0.0	98.0	98.5	88.6	97.1	99.3	55.4
% transportation services	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	23	0	11,025	4	37	40	0	0	1	68	0	17	311
% a sole proprietorship	69.6	0.0	9.1	100.0	21.6	47.5	0.0	0.0	0.0	29.4	0.0	88.2	41.8
% not a sole proprietorship	30.4	0.0	74.4	0.0	78.4	37.5	0.0	0.0	100.0	54.4	0.0	0.0	44.7
% not answered	0.0	0.0	16.5	0.0	0.0	15.0	0.0	0.0	0.0	16.2	0.0	11.8	13.5
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,586	2,712	1,189	2,356	2,581	2,439	0	2,484	3,213	6,213	2,739	1,737	5,157
% organization is a subpart	31.4	28.5	18.4	38.7	19.0	28.0	0.0	12.6	18.5	16.9	23.2	29.8	30.3
% organization is not a subpart	57.6	65.6	67.7	52.0	72.4	60.3	0.0	76.2	75.2	74.4	71.2	51.5	59.2
% not answered	11.1	5.9	13.9	9.3	8.6	11.7	0.0	11.1	6.3	8.7	5.7	18.7	10.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RX Providers													
Number of provider IDs	702	591	1,039	726	4,065	5,239	9,331	4,264	550	7,446	2,103	1,469	7,260
% billing provider on RX claim	50.1	100.0	50.0	52.2	51.0	54.6	50.3	50.1	49.8	47.7	50.0	50.5	49.7
% prescribing provider on RX claim	0.0	0.0	15.9	0.0	5.6	3.2	3.3	2.1	0.9	0.0	0.0	15.1	1.7
% NPI billing provider on RX claim	49.9	0.0	50.0	47.8	49.0	45.4	49.7	49.9	50.2	52.3	50.0	49.5	50.3
% also a provider on IP claim	0.7	3.4	0.0	0.0	0.0	0.0	0.6	0.1	1.3	1.8	0.0	1.0	0.1
% also a provider on LT claim	0.3	1.9	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.0	0.0
% also a provider on OT claim	30.2	78.0	31.3	37.5	81.3	11.3	96.2	70.4	63.5	77.2	37.0	30.2	42.5
% provider IDs with NPI	99.9	25.9	99.9	95.6	99.6	99.9	99.1	100.0	98.5	98.2	99.9	99.3	99.8
% provider IDs linked to NPPES	99.3	25.9	98.2	95.2	98.4	99.7	98.1	99.7	96.7	2.2	98.7	99.3	99.1
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
average number of RX claims	2779.4	4,849.4	3208.0	3614.5	4293.1	1,752.4	12,350.4	7,360.8	2261.4	2539.2	5,668.6	5,247.5	2435.9
average number of beneficiaries with RX claims	263.8	523.4	247.3	388.1	374.9	212.3	1,099.9	847.0	260.8	224.7	803.0	467.4	215.7
Provider IDs with NPI													
Number of provider IDs with NPI	701	153	1,038	694	4,048	5,234	9,245	4,264	542	7,311	2,101	1,458	7,246
% NPI source = MSIS	100.0	0.0	100.0	81.0	99.6	100.0	99.3	100.0	100.0	97.8	100.0	99.7	100.0
% NPI source = NPPES	0.0	100.0	0.0	19.0	0.4	0.0	0.7	0.0	0.0	2.2	0.0	0.3	0.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	697	153	1,020	691	4,000	5,222	9,157	4,250	532	164	2,075	1,458	7,194
% linked via NPI	100.0	0.0	100.0	80.9	99.6	100.0	99.3	100.0	100.0	0.0	100.0	99.7	100.0
% linked via Medicaid legacy provider ID	0.0	100.0	0.0	19.1	0.4	0.0	0.7	0.0	0.0	100.0	0.0	0.1	0.0
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
% with name prefix	0.3	0.7	0.2	0.0	0.4	0.1	0.8	0.0	0.4	3.7	0.1	0.3	2.8
% with first name	0.3	2.6	0.4	0.0	0.5	0.2	1.8	0.1	0.9	7.3	0.1	0.6	4.6
% with middle name	0.3	2.0	0.2	0.0	0.5	0.2	0.7	0.1	0.8	5.5	0.1	0.6	3.8
% with last name	0.3	2.6	0.4	0.0	0.5	0.2	1.8	0.1	0.9	7.3	0.1	0.6	4.6
% with name suffix	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
% male	0.3	2.0	0.4	0.0	0.5	0.2	1.1	0.1	0.6	1.8	0.1	0.6	3.7
% female	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.4	5.5	0.0	0.0	0.9
% with credential	0.3	2.6	0.4	0.0	0.5	0.2	1.6	0.1	0.9	6.1	0.1	0.3	4.6
% with business name	99.7	97.4	99.6	100.0	99.5	99.8	98.2	99.9	99.1	92.7	99.9	99.4	95.4
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	76.3	86.9	87.5	76.6	96.0	20.8	97.9	93.3	70.7	90.9	82.7	91.2	95.1
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.9	98.7	100.0	99.4	98.9	99.3	97.7	96.3	99.2	91.5	99.9	99.7	98.9
% with provider entity type = individual	0.3	2.6	0.4	0.0	0.5	0.2	1.8	0.1	0.9	7.3	0.1	0.6	4.6
% with provider entity type = organization	99.7	97.4	99.6	100.0	99.5	99.8	98.2	99.9	99.1	92.7	99.9	99.4	95.4

[illegible]

2009 MAX RX Billing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	2	4	4	0	19	8	164	4	5	12	3	9	331
% a sole proprietorship	0.0	50.0	100.0	0.0	57.9	75.0	45.1	100.0	40.0	66.7	66.7	66.7	32.6
% not a sole proprietorship	100.0	25.0	0.0	0.0	42.1	25.0	48.8	0.0	60.0	33.3	33.3	11.1	61.3
% not answered	0.0	25.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	22.2	6.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	695	149	1,016	691	3,981	5,214	8,993	4,246	527	152	2,072	1,449	6,863
% organization is a subpart	15.5	25.5	30.3	20.4	14.7	68.1	16.0	19.1	5.9	5.3	26.0	15.0	15.3
% organization is not a subpart	72.9	68.5	64.4	75.4	78.7	29.4	72.6	70.0	81.2	63.8	63.1	73.6	75.8
% not answered	11.5	6.0	5.3	4.2	6.6	2.5	11.4	10.9	12.9	30.9	10.9	11.3	8.9

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
RX Providers												
Number of provider IDs	235	1,362	428	14,399	8,485	1,150	477	1,751	3,673	1,526	1,406	4,947
% billing provider on RX claim	100.0	93.3	81.1	51.1	50.2	50.1	50.7	100.0	72.3	49.6	100.0	4.2
% prescribing provider on RX claim	53.2	18.6	0.0	0.0	0.0	1.1	23.3	10.4	0.0	0.0	21.2	0.8
% NPI billing provider on RX claim	8.1	6.7	18.9	48.9	49.8	49.9	49.3	100.0	27.7	50.4	99.7	95.8
% also a provider on IP claim	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.1
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1
% also a provider on OT claim	74.9	56.0	7.2	1.2	16.9	52.3	5.7	90.1	57.0	37.2	84.8	63.3
% provider IDs with NPI	30.2	10.4	74.5	100.0	100.0	99.8	99.2	100.0	70.6	99.9	99.7	97.6
% provider IDs linked to NPPES	30.2	10.4	74.1	99.5	99.7	98.1	99.2	99.4	69.9	99.6	98.1	96.9
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of RX claims	7774.6	3,144.8	2052.0	2,383.5	7351.4	4572.1	9422.3	5,285.0	4,369.0	8,505.3	9679.3	226.9
average number of beneficiaries with RX claims	709.0	425.5	261.3	228.5	1108.3	599.3	741.0	541.7	488.6	675.1	916.7	38.2
Provider IDs with NPI												
Number of provider IDs with NPI	71	142	319	14,392	8,484	1,148	473	1,751	2,592	1,524	1,402	4,827
% NPI source = MSIS	100.0	85.9	52.4	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	98.5
% NPI source = NPPES	0.0	14.1	47.6	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.5
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	71	142	317	14,329	8,459	1,128	473	1,741	2,568	1,520	1,379	4,796
% linked via NPI	100.0	85.9	52.1	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	98.5
% linked via Medicaid legacy provider ID	0.0	12.0	47.9	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.5
% linked via Medicare UPIN	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	0.0	37.3	0.3	0.0	0.3	0.4	0.4	0.1	0.0	0.0	0.1	40.3
% with first name	0.0	86.6	0.3	0.1	0.6	0.7	0.4	0.2	0.0	0.0	0.1	95.3
% with middle name	0.0	76.1	0.3	0.0	0.5	0.7	0.4	0.2	0.0	0.0	0.1	75.1
% with last name	0.0	86.6	0.3	0.1	0.6	0.7	0.4	0.2	0.0	0.0	0.1	95.3
% with name suffix	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.1
% male	0.0	59.9	0.0	0.0	0.5	0.7	0.4	0.2	0.0	0.0	0.1	60.4
% female	0.0	26.8	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	34.9
% with credential	0.0	85.9	0.3	0.1	0.4	0.7	0.4	0.1	0.0	0.0	0.1	92.6
% with business name	100.0	13.4	99.7	99.9	99.4	99.3	99.6	99.8	100.0	100.0	99.9	4.7
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	98.6	90.8	73.5	21.7	98.8	89.7	60.5	86.6	94.1	68.9	88.5	34.4
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	100.0	100.0	99.1	100.0	99.9	98.8	96.6	97.4	99.5	99.7	99.9	99.4
% with provider entity type = individual	0.0	86.6	0.3	0.1	0.6	0.7	0.4	0.2	0.0	0.0	0.1	95.3
% with provider entity type = organization	100.0	13.4	99.7	99.9	99.4	99.3	99.6	99.8	100.0	100.0	99.9	4.7

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Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	0	123	1	8	48	8	2	4	0	0	1	4,571
% a sole proprietorship	0.0	17.9	0.0	12.5	87.5	75.0	0.0	100.0	0.0	0.0	100.0	18.1
% not a sole proprietorship	0.0	73.2	100.0	62.5	8.3	25.0	100.0	0.0	0.0	0.0	0.0	73.6
% not answered	0.0	8.9	0.0	25.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	8.4
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	71	19	316	14,321	8,411	1,120	471	1,737	2,568	1,520	1,378	225
% organization is a subpart	22.5	26.3	17.7	58.9	31.2	19.8	14.6	19.5	26.5	14.1	31.2	12.9
% organization is not a subpart	74.6	68.4	71.2	38.5	61.6	72.3	78.6	69.7	68.5	75.1	61.8	67.6
% not answered	2.8	5.3	11.1	2.6	7.2	7.9	6.8	10.8	5.0	10.8	7.0	19.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
RX Providers													
Number of provider IDs	13,796	2,791	39,145	9,185	411,612	13,213	26,993	5,264	2,494	134,198	2,318	3,207	7,589
% billing provider on RX claim	0.0	0.0	0.8	8.9	1.9	1.8	0.0	0.0	1.2	0.0	4.2	6.5	0.0
% prescribing provider on RX claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% NPI billing provider on RX claim	0.0	0.0	0.0	0.0	1.7	0.0	90.7	0.0	0.0	1.4	0.0	0.0	0.0
% also a provider on IP claim	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	1.1	0.1	0.2	0.2	0.0
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0
% also a provider on OT claim	0.1	91.3	37.0	71.9	23.3	86.1	36.4	63.4	84.4	23.3	2.3	14.7	34.3
% provider IDs with NPI	3.9	86.9	40.0	66.8	15.9	88.6	91.8	58.8	33.4	23.5	1.8	7.9	24.2
% provider IDs linked to NPPES	3.9	86.5	39.9	66.5	10.8	88.4	90.9	58.6	33.2	23.4	0.1	7.9	24.1
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of RX claims	649.5	302.8	395.3	1,071.3	195.9	338.2	584.1	365.1	513.6	285.4	6,776.6	390.5	228.8
average number of beneficiaries with RX claims	101.3	49.6	74.6	190.7	34.1	61.9	53.8	70.0	41.2	46.4	800.7	75.1	51.2
Provider IDs with NPI													
Number of provider IDs with NPI	543	2,424	15,650	6,131	65,597	11,704	24,775	3,093	833	31,517	42	254	1,840
% NPI source = MSIS	2.4	92.5	91.6	84.8	69.1	92.1	100.0	99.4	63.0	99.8	95.2	98.0	77.1
% NPI source = NPPES	97.6	7.5	8.4	15.2	30.9	7.9	0.0	0.6	37.0	0.2	4.8	2.0	22.9
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	543	2,415	15,609	6,105	44,557	11,681	24,537	3,085	829	31,401	2	252	1,829
% linked via NPI	2.4	92.5	91.6	84.7	54.5	92.0	100.0	99.4	62.8	99.8	0.0	98.0	76.9
% linked via Medicaid legacy provider ID	6.6	7.4	8.1	15.3	26.5	7.9	0.0	0.6	37.0	0.1	0.0	1.6	17.2
% linked via Medicare UPIN	91.0	0.1	0.3	0.0	19.0	0.0	0.0	0.0	0.1	0.1	100.0	0.4	5.9
% with name prefix	44.6	37.3	40.0	42.1	24.2	39.8	47.3	46.6	38.6	46.2	0.0	2.0	40.8
% with first name	75.9	98.7	96.4	85.1	53.1	96.7	95.9	98.7	76.7	92.0	100.0	3.6	95.7
% with middle name	59.7	78.0	71.2	67.3	39.7	72.7	64.2	72.2	50.4	66.1	50.0	3.2	81.9
% with last name	75.9	98.7	96.4	85.1	53.1	96.7	95.9	98.7	76.7	92.0	100.0	3.6	95.7
% with name suffix	4.1	2.1	1.7	5.0	1.3	1.8	2.0	3.2	2.7	2.9	0.0	0.0	2.6
% male	46.2	55.8	61.3	64.6	39.0	57.6	56.0	61.3	49.0	64.9	0.0	3.2	66.4
% female	29.7	42.9	35.1	20.5	14.1	39.1	39.8	37.4	27.7	27.1	100.0	0.4	29.3
% with credential	72.9	93.1	94.4	84.3	52.0	93.7	92.6	97.1	73.6	90.5	100.0	3.6	94.1
% with business name	24.1	1.3	3.6	14.9	46.9	3.3	4.1	1.3	23.3	8.0	0.0	96.4	4.3
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	8.7	77.8	89.9	80.6	85.2	93.5	67.2	77.6	68.5	95.6	0.0	98.4	83.3
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	96.1	98.1	98.9	99.3	97.6	99.3	98.0	99.5	99.6	99.5	50.0	99.2	99.6
% with provider entity type = individual	75.9	98.7	96.4	85.1	53.1	96.7	95.9	98.7	76.7	92.0	100.0	3.6	95.7
% with provider entity type = organization	24.1	1.3	3.6	14.9	46.9	3.3	4.1	1.3	23.3	8.0	0.0	96.4	4.3

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	6	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	522	2,369	15,454	6,074	43,521	11,613	24,059	3,076	828	31,323	36	250	1,828
% individual or group of individuals	91.6	99.3	97.1	83.4	70.4	69.0	96.6	98.1	87.1	93.2	100.0	7.2	96.0
% allopathic and osteopathic physicians	39.5	63.8	70.2	66.1	54.4	49.8	58.5	74.5	69.0	72.4	0.0	3.6	51.2
% behavioral health and social service providers	10.5	0.0	1.0	0.3	0.2	0.2	1.4	0.0	0.2	0.3	97.2	0.4	1.0
% chiropractic providers	12.6	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.2
% dental providers	5.0	8.9	1.3	1.5	8.4	4.4	8.8	6.0	4.8	2.7	0.0	0.0	14.7
% dietary and nutritional service providers	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
% emergency medical service providers	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	6.1	2.6	1.8	4.7	1.7	1.5	1.5	1.7	0.2	2.0	0.0	0.0	3.3
% nursing service providers	0.0	1.2	0.8	0.2	0.0	0.3	0.4	0.1	0.1	0.2	0.0	0.0	0.2
% nursing service-related providers	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
% other service providers	4.6	1.7	3.7	2.9	3.2	1.9	2.2	1.7	1.7	4.0	0.0	0.4	1.7
% pharmacy service providers	1.0	0.0	0.0	1.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	2.8	0.0
% physician assistants and advanced practice nursing providers	7.1	19.2	14.3	4.4	0.5	9.0	14.5	11.3	4.8	7.3	2.8	0.0	20.4
% podiatric medicine and surgery service providers	1.3	0.6	1.5	1.1	0.9	0.5	1.2	1.8	3.1	1.6	0.0	0.0	0.9
% respiratory, developmental, rehabilitative, and restorative service providers	1.5	0.0	1.2	0.0	0.1	0.1	0.5	0.0	0.0	0.1	0.0	0.0	0.4
% speech, language, and hearing service providers	0.8	0.0	0.7	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1
% student health care	0.6	1.1	0.1	0.5	0.0	0.3	7.1	0.8	0.0	0.2	0.0	0.0	0.1
% technologists, technicians, and other technical service providers	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.0	0.0	0.6	0.7	0.8	0.0	0.0	3.0	2.0	0.0	0.0	1.5
% nonindividuals	8.4	0.7	2.9	16.6	29.6	31.0	3.4	1.9	12.9	6.8	0.0	92.8	4.0
% agencies	2.5	0.0	0.1	0.3	0.8	0.5	0.1	0.0	0.7	0.1	0.0	0.0	0.6
% ambulatory health care facilities	3.3	0.3	0.4	3.9	3.6	0.5	0.9	0.3	3.5	0.4	0.0	0.4	1.3
% hospital units	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
% hospitals	0.4	0.1	0.4	0.2	15.7	28.0	0.6	1.5	3.3	0.3	0.0	21.6	1.5
% laboratories	0.2	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.4	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.1	0.0	2.0	0.0
% nursing and custodial care facilities	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.4	0.2
% residential treatment facilities	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
% respite care facility	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	0.8	0.3	1.8	12.1	4.4	1.9	1.6	0.0	4.6	5.8	0.0	68.4	0.3
% transportation services	0.2	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	412	2,383	15,040	5,196	23,672	11,300	23,519	3,046	636	28,898	2	9	1,751
% a sole proprietorship	40.5	17.2	16.7	17.3	26.8	10.6	22.3	16.8	30.3	22.5	0.0	33.3	19.9
% not a sole proprietorship	49.0	73.9	71.9	72.8	63.2	81.4	68.5	71.9	64.8	67.9	100.0	66.7	74.3
% not answered	10.4	8.9	11.5	9.9	10.1	8.0	9.2	11.3	4.9	9.6	0.0	0.0	5.8
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	131	32	569	909	20,885	381	1,018	39	193	2,503	0	243	78
% organization is a subpart	4.6	9.4	24.4	25.5	14.4	39.9	6.6	7.7	3.6	19.6	0.0	9.9	6.4
% organization is not a subpart	55.0	68.8	62.4	60.6	66.4	50.1	62.3	51.3	86.0	72.7	0.0	79.8	78.2
% not answered	40.5	21.9	13.2	13.9	19.1	10.0	31.1	41.0	10.4	7.7	0.0	10.3	15.4

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
RX Providers													
Number of provider IDs	112,184	32,015	11,843	13,944	15,426	18,254	12,666	16,619	75,040	68,783	23,385	18,136	38,641
% billing provider on RX claim	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.9	1.4	1.7	3.6	0.0	1.6
% prescribing provider on RX claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% NPI billing provider on RX claim	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
% also a provider on IP claim	0.1	0.3	0.0	0.0	0.1	0.7	0.0	0.3	0.1	0.2	0.2	0.6	0.4
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0
% also a provider on OT claim	26.9	46.8	0.0	59.1	85.3	59.1	0.0	69.6	6.6	43.8	92.9	44.2	20.5
% provider IDs with NPI	27.0	46.8	0.0	59.2	90.7	48.8	0.0	68.1	4.1	20.3	44.8	44.2	13.1
% provider IDs linked to NPPES	26.9	46.7	0.0	59.0	90.5	48.6	0.0	67.9	4.1	20.1	44.8	44.1	13.1
% provider IDs with or without NPI but linked to state provider file	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of RX claims	226.5	375.1	377.5	277.6	1,123.2	669.8	292.5	522.5	212.9	395.7	846.8	313.3	371.3
average number of beneficiaries with RX claims	42.1	65.1	64.7	37.9	154.9	115.9	49.2	64.6	41.5	65.5	97.6	70.1	55.2
Provider IDs with NPI													
Number of provider IDs with NPI	30,239	14,993	2	8,251	13,997	8,908	4	11,310	3,081	13,946	10,483	8,023	5,081
% NPI source = MSIS	99.9	99.9	0.0	100.0	94.7	99.7	0.0	93.9	84.3	92.2	58.9	99.9	69.1
% NPI source = NPPES	0.1	0.1	100.0	0.0	5.3	0.3	100.0	6.1	15.7	7.8	41.1	0.1	30.9
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	30,166	14,953	2	8,222	13,959	8,871	4	11,278	3,075	13,853	10,465	7,992	5,053
% linked via NPI	99.9	99.9	0.0	100.0	94.7	99.7	0.0	93.9	84.3	92.1	58.8	99.9	68.9
% linked via Medicaid legacy provider ID	0.1	0.0	0.0	0.0	5.3	0.0	25.0	6.1	15.0	7.7	41.2	0.0	30.9
% linked via Medicare UPIN	0.1	0.1	100.0	0.0	0.0	0.3	75.0	0.0	0.8	0.2	0.0	0.1	0.1
% with name prefix	46.5	40.3	50.0	42.3	37.7	50.9	75.0	45.7	24.1	40.3	12.9	49.5	19.0
% with first name	98.6	97.4	100.0	99.1	92.0	94.5	100.0	92.8	57.6	76.8	44.6	95.1	33.5
% with middle name	65.8	77.6	50.0	81.2	72.5	77.6	50.0	64.6	40.2	59.5	38.7	76.7	28.2
% with last name	98.6	97.4	100.0	99.1	92.0	94.5	100.0	92.8	57.6	76.8	44.6	95.1	33.5
% with name suffix	1.8	2.8	0.0	2.7	3.6	8.6	0.0	2.6	0.9	1.9	0.6	8.1	1.3
% male	65.0	66.8	0.0	62.5	61.6	67.1	75.0	57.8	28.1	50.4	28.2	65.1	25.3
% female	33.6	30.7	100.0	36.6	30.4	27.4	25.0	35.0	29.5	26.4	16.4	30.0	8.2
% with credential	95.9	95.6	50.0	97.4	90.9	92.6	100.0	88.9	56.2	74.9	41.9	93.2	33.0
% with business name	1.4	2.6	0.0	0.9	8.0	5.5	0.0	7.2	42.4	23.2	55.4	4.9	66.5
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	82.0	85.0	0.0	72.3	74.9	90.1	50.0	84.3	90.8	89.4	84.3	75.7	91.7
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.8	99.5	100.0	97.5	99.9	98.5	100.0	98.7	100.0	99.4	99.8	99.9	99.4
% with provider entity type = individual	98.6	97.4	100.0	99.1	92.0	94.5	100.0	92.8	57.6	76.8	44.6	95.1	33.5
% with provider entity type = organization	1.4	2.6	0.0	0.9	8.0	5.5	0.0	7.2	42.4	23.2	55.4	4.9	66.5

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

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2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	29,757	14,570	2	8,145	12,839	8,386	4	10,464	1,772	10,636	4,663	7,597	1,694
% a sole proprietorship	16.0	13.7	0.0	12.2	15.1	23.5	0.0	18.6	14.0	20.3	7.3	20.1	16.8
% not a sole proprietorship	73.1	78.4	100.0	73.8	78.4	63.6	100.0	67.6	82.1	70.8	90.8	71.4	80.8
% not answered	11.0	7.8	0.0	14.0	6.5	13.0	0.0	13.8	4.0	8.9	2.0	8.5	2.4
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	409	383	0	77	1,120	485	0	814	1,303	3,217	5,802	395	3,359
% organization is a subpart	11.0	13.6	0.0	7.8	19.6	5.6	0.0	11.9	17.0	10.8	11.6	10.1	12.0
% organization is not a subpart	61.9	62.7	0.0	45.5	72.0	67.8	0.0	73.3	76.4	74.4	84.1	70.1	80.8
% not answered	27.1	23.8	0.0	46.8	8.5	26.6	0.0	14.7	6.5	14.8	4.3	19.7	7.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RX Providers													
Number of provider IDs	3,903	7,759	9,687	10,750	23,244	18,796	92,951	25,816	3,584	34,061	24,546	21,646	65,853
% billing provider on RX claim	0.0	0.0	0.0	0.0	1.0	0.9	0.3	0.4	0.1	0.0	0.0	0.0	0.0
% prescribing provider on RX claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% NPI billing provider on RX claim	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2
% also a provider on IP claim	0.1	0.0	0.1	0.0	0.4	0.2	0.1	0.3	0.1	0.0	0.0	0.2	0.1
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
% also a provider on OT claim	74.6	41.3	48.4	0.0	65.2	75.3	68.1	82.2	55.9	78.1	40.7	59.9	3.4
% provider IDs with NPI	73.2	3.7	49.6		64.5	44.7	57.9	94.7	7.3	21.1	40.7	58.1	3.6
% provider IDs linked to NPPES	73.0	3.7	49.4	0.0	64.3	44.6	57.6	94.2	7.3	0.0	39.7	58.0	3.5
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
average number of RX claims	224.1	369.2	245.3	132.2	557.7	338.8	605.1	341.2	178.7	277.6	242.8	147.6	137.6
average number of beneficiaries with RX claims	36.6	66.4	27.6	25.3	83.4	59.0	89.7	75.2	34.3	32.7	62.9	18.5	20.5
Provider IDs with NPI													
Number of provider IDs with NPI	2,857	290	4,800	0	14,988	8,393	53,826	24,451	261	7,180	9,999	12,576	2,343
% NPI source = MSIS	100.0	0.0	98.6	0.0	89.1	95.7	83.1	83.4	96.6	100.0	100.0	99.4	98.8
% NPI source = NPPES	0.0	100.0	1.4	0.0	10.9	4.3	16.9	6.3	3.4	0.0	0.0	0.6	1.2
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	2,850	290	4,783	0	14,944	8,378	53,553	24,325	260	1	9,735	12,559	2,323
% linked via NPI	100.0	0.0	98.6	0.0	89.1	95.7	83.0	93.6	96.5	0.0	100.0	99.4	98.8
% linked via Medicaid legacy provider ID	0.0	100.0	1.3	0.0	10.9	4.3	17.0	6.4	0.0	0.0	0.0	0.4	0.7
% linked via Medicare UPIN	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.5	100.0	0.0	0.2	0.5
% with name prefix	34.9	63.4	42.0	0.0	47.7	12.4	50.4	49.2	36.5	0.0	42.9	42.4	49.8
% with first name	98.4	91.7	95.3	0.0	95.3	29.1	97.6	93.8	93.1	100.0	99.9	96.2	92.6
% with middle name	78.9	87.6	71.2	0.0	60.2	21.7	59.2	78.6	80.4	100.0	82.3	80.7	71.5
% with last name	98.4	91.7	95.3	0.0	95.3	29.1	97.6	93.8	93.1	100.0	99.9	96.2	92.6
% with name suffix	1.5	2.1	2.1	0.0	1.9	0.7	1.5	6.6	1.9	0.0	4.0	2.0	3.7
% male	61.6	75.2	67.6	0.0	64.1	18.6	60.7	64.0	68.1	0.0	69.6	59.4	66.9
% female	36.8	16.6	27.7	0.0	31.2	10.5	37.0	29.8	25.0	100.0	30.3	36.8	25.7
% with credential	95.8	90.0	93.6	0.0	92.0	28.6	93.9	91.4	91.2	100.0	98.7	94.7	91.8
% with business name	1.6	8.3	4.7	0.0	4.7	70.9	2.4	6.2	6.9	0.0	0.1	3.8	7.4
% with address line 1	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	79.9	96.6	85.5	0.0	87.2	83.4	92.5	87.3	65.4	0.0	79.6	88.1	89.7
% with zip code	100.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.5	97.9	99.4	0.0	97.5	99.6	98.0	99.2	100.0	0.0	99.9	99.9	99.6
% with provider entity type = individual	98.4	91.7	95.3	0.0	95.3	29.1	97.6	93.8	93.1	100.0	99.9	96.2	92.6
% with provider entity type = organization	1.6	8.3	4.7	0.0	4.7	70.9	2.4	6.2	6.9	0.0	0.1	3.8	7.4

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	125	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	2,812	284	4,763	0	14,583	8,360	52,467	24,170	261	0	9,989	12,568	2,329
% individual or group of individuals	98.4	97.9	94.9	0.0	97.3	84.6	98.2	97.5	99.2	0.0	99.9	96.7	94.6
% allopathic and osteopathic physicians	65.9	35.6	73.2	0.0	81.0	35.8	69.0	73.8	49.4	0.0	75.2	70.2	74.8
% behavioral health and social service providers	0.1	0.0	0.3	0.0	0.1	0.4	0.4	1.7	1.9	0.0	0.0	0.4	0.1
% chiropractic providers	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	1.5	0.0	0.0	0.0	0.0
% dental providers	3.6	43.7	6.5	0.0	3.8	4.6	8.0	9.3	19.9	0.0	7.3	5.4	12.4
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
% eye and vision service providers	3.2	9.2	2.3	0.0	1.9	1.8	1.6	2.9	7.3	0.0	4.0	1.2	1.2
% nursing service providers	0.2	0.0	0.4	0.0	0.1	0.1	0.2	0.1	4.2	0.0	0.0	0.4	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% other service providers	1.8	1.4	2.3	0.0	3.7	1.6	4.1	2.3	0.4	0.0	0.2	3.9	0.9
% pharmacy service providers	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	21.4	1.8	8.3	0.0	3.2	4.9	11.7	4.2	12.6	0.0	12.3	13.0	1.5
% podiatric medicine and surgery service providers	1.2	6.3	1.1	0.0	2.9	0.8	2.4	0.9	1.1	0.0	0.8	0.8	1.2
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.1	0.0	0.1	0.1	0.3	0.4	0.0	0.0	0.0	0.1	0.1
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0
% student health care	0.1	0.0	0.1	0.0	0.2	0.0	0.5	0.2	0.0	0.0	0.1	0.5	0.1
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.7	0.0	0.3	0.0	0.1	34.2	0.0	1.2	0.0	0.0	0.0	0.7	2.1
% nonindividuals	1.6	2.1	5.1	0.0	2.7	15.4	1.8	2.5	0.8	0.0	0.1	3.3	5.4
% agencies	0.0	0.4	0.1	0.0	0.1	0.2	0.3	0.2	0.0	0.0	0.0	0.1	0.3
% ambulatory health care facilities	0.4	1.8	0.3	0.0	0.6	4.1	0.3	1.3	0.8	0.0	0.0	0.9	1.4
% hospital units	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
% hospitals	0.4	0.0	0.8	0.0	0.4	8.8	0.6	0.3	0.0	0.0	0.0	0.4	1.6
% laboratories	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
% managed care organizations	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% residential treatment facilities	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	0.7	0.0	3.8	0.0	1.4	2.0	0.3	0.5	0.0	0.0	0.0	1.8	1.5
% transportation services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	2,805	266	4,558	0	14,238	2,436	52,281	22,811	242	1	9,721	12,088	2,151
% a sole proprietorship	12.9	38.3	17.9	0.0	23.7	26.1	27.8	13.8	18.6	0.0	18.8	15.1	21.6
% not a sole proprietorship	75.2	48.9	75.1	0.0	64.8	63.5	62.4	78.8	75.6	100.0	74.2	74.7	68.0
% not answered	11.9	12.8	7.0	0.0	11.5	10.3	9.8	7.3	5.8	0.0	7.0	10.2	10.4
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	45	24	225	0	706	5,942	1,272	1,514	18	0	14	471	172
% organization is a subpart	11.1	4.2	27.1	0.0	18.8	4.4	6.1	8.1	0.0	0.0	0.0	13.8	18.0
% organization is not a subpart	68.9	58.3	61.8	0.0	56.9	86.1	65.6	69.7	77.8	0.0	50.0	74.5	64.5
% not answered	20.0	37.5	11.1	0.0	24.2	9.5	28.4	22.2	22.2	0.0	50.0	11.7	17.4

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
RX Providers												
Number of provider IDs	11,658	47,294	4,737	61,665	53,540	11,992	4,552	38,379	46,353	18,249	47,796	2,860
% billing provider on RX claim	1.1	0.3	0.0	0.0	0.0	0.1	2.4	0.5	0.0	0.0	0.6	1.4
% prescribing provider on RX claim	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% NPI billing provider on RX claim	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.6	0.0
% also a provider on IP claim	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.3	0.1	0.1
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
% also a provider on OT claim	22.8	27.2	0.0	26.4	0.0	39.6	84.4	48.1	33.9	7.9	45.5	86.8
% provider IDs with NPI	20.0	0.9		6.6	1.7	40.0	87.2	47.9	33.7	8.0	15.7	48.4
% provider IDs linked to NPPES	20.0	0.9	0.0	6.6	1.7	39.8	87.1	47.8	33.6	8.0	15.6	48.2
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of RX claims	198.5	109.0	183.5	278.6	583.2	225.2	888.7	265.2	67.4	356.4	361.2	257.5
average number of beneficiaries with RX claims	33.0	23.7	37.2	47.2	114.8	42.4	103.1	44.5	14.0	49.2	53.3	48.7
Provider IDs with NPI												
Number of provider IDs with NPI	2,337	432	0	4,066	927	4,793	3,969	18,389	15,602	1,465	7,488	1,383
% NPI source = MSIS	99.8	26.6	0.0	99.2	0.1	99.3	98.8	99.1	99.7	99.2	95.5	85.4
% NPI source = NPPES	0.2	73.4	0.0	0.8	99.9	0.7	1.2	0.9	0.3	0.8	4.5	14.6
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	2,332	432	0	4,057	926	4,778	3,964	18,328	15,565	1,463	7,451	1,378
% linked via NPI	99.8	26.6	0.0	99.2	0.0	99.3	98.8	99.1	99.7	99.2	95.5	85.3
% linked via Medicaid legacy provider ID	0.1	29.4	0.0	0.2	2.6	0.5	1.2	0.8	0.2	0.3	4.3	14.6
% linked via Medicare UPIN	0.1	44.0	0.0	0.5	97.4	0.1	0.1	0.1	0.0	0.5	0.2	0.1
% with name prefix	35.8	45.1	0.0	32.3	37.5	43.3	50.0	44.6	32.1	42.4	33.5	42.4
% with first name	96.5	84.5	0.0	57.6	71.4	97.8	96.9	96.7	95.9	89.1	81.7	95.3
% with middle name	65.4	69.9	0.0	48.6	54.1	86.1	76.1	76.9	77.4	71.0	68.5	76.9
% with last name	96.5	84.5	0.0	57.6	71.4	97.8	96.9	96.7	95.9	89.1	81.7	95.3
% with name suffix	2.4	6.5	0.0	3.8	1.7	2.0	2.8	5.0	1.7	3.3	1.2	2.0
% male	60.5	55.6	0.0	35.0	46.3	77.3	56.6	64.0	57.8	51.3	45.8	64.2
% female	36.0	28.9	0.0	22.7	25.1	20.4	40.3	32.7	38.1	37.8	35.9	31.1
% with credential	94.3	82.9	0.0	56.1	69.3	94.8	94.6	93.8	91.3	86.4	79.3	93.6
% with business name	3.5	15.5	0.0	42.4	28.6	2.2	3.1	3.3	4.1	10.9	18.3	4.7
% with address line 1	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = RX state code	90.1	53.5	0.0	80.1	17.0	91.8	58.8	80.7	90.7	64.3	74.5	53.6
% with zip code	100.0	100.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.7	98.8	0.0	99.9	97.4	98.5	98.3	99.1	99.4	100.0	99.6	100.0
% with provider entity type = individual	96.5	84.5	0.0	57.6	71.4	97.8	96.9	96.7	95.9	89.1	81.7	95.3
% with provider entity type = organization	3.5	15.5	0.0	42.4	28.6	2.2	3.1	3.3	4.1	10.9	18.3	4.7

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with or without NPI but linked to state provider file												
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	2,328	427	0	4,059	903	4,708	3,900	18,193	15,483	1,465	7,457	1,383
% individual or group of individuals	95.1	82.2	0.0	58.8	91.1	99.0	96.6	97.6	95.3	91.5	82.8	97.5
% allopathic and osteopathic physicians	76.9	57.1	0.0	17.1	51.8	72.9	64.3	77.8	67.4	53.9	33.9	62.5
% behavioral health and social service providers	0.1	3.3	0.0	0.2	6.0	0.1	0.2	0.3	0.1	0.7	2.9	0.1
% chiropractic providers	0.0	3.7	0.0	0.1	8.0	0.3	0.0	0.0	0.0	0.5	0.9	0.0
% dental providers	3.7	3.7	0.0	15.0	2.5	11.4	7.4	5.3	5.3	6.5	13.7	14.2
% dietary and nutritional service providers	0.0	0.2	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	2.6	2.3	0.0	8.9	4.4	3.2	1.8	2.3	2.3	6.2	6.7	5.3
% nursing service providers	0.5	0.5	0.0	0.3	0.3	0.2	0.5	0.1	0.1	0.4	0.2	0.0
% nursing service-related providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% other service providers	1.6	2.8	0.0	0.7	6.5	3.6	1.6	3.4	1.7	0.0	0.1	0.5
% pharmacy service providers	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
% physician assistants and advanced practice nursing providers	7.8	6.1	0.0	14.4	6.2	4.2	16.8	6.5	17.1	19.1	20.8	14.0
% podiatric medicine and surgery service providers	1.8	0.0	0.0	0.3	1.1	2.1	0.7	1.4	1.1	0.9	0.9	0.7
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	1.2	0.0	0.1	2.3	0.2	0.0	0.0	0.0	0.8	2.0	0.1
% speech, language, and hearing service providers	0.0	0.5	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.6	0.4	0.0
% student health care	0.2	0.0	0.0	0.2	0.1	0.3	3.2	0.3	0.0	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	0.0	0.2	0.0	1.4	0.0	0.4	0.1	0.2	0.0	1.9	0.1	0.0
% nonindividuals	4.9	17.8	0.0	41.2	8.9	1.0	3.4	2.4	4.7	8.5	17.2	2.5
% agencies	0.2	2.1	0.0	0.8	1.7	0.1	0.1	0.2	0.0	0.7	0.1	0.2
% ambulatory health care facilities	0.3	1.4	0.0	1.2	4.8	0.3	0.1	0.5	3.8	1.8	1.0	0.2
% hospital units	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
% hospitals	1.9	9.1	0.0	35.6	0.2	0.2	0.4	0.7	0.0	3.7	12.2	0.1
% laboratories	0.0	0.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.0
% managed care organizations	0.0	0.5	0.0	0.0	0.1	0.1	0.0	0.0	0.9	0.0	0.0	0.1
% nursing and custodial care facilities	0.1	0.0	0.0	1.1	0.3	0.0	0.0	0.0	0.0	0.2	0.4	0.0
% residential treatment facilities	0.0	0.7	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.2
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	2.3	3.0	0.0	0.2	0.8	0.2	2.8	1.0	0.0	0.5	3.5	1.6
% transportation services	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 MAX RX Prescribing Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	2,250	365	0	2,337	661	4,671	3,842	17,722	14,927	1,304	6,088	1,313
% a sole proprietorship	14.7	20.0	0.0	21.8	35.7	19.9	16.9	13.3	14.3	17.2	10.5	19.3
% not a sole proprietorship	77.0	72.3	0.0	65.7	54.5	72.7	74.7	77.0	80.0	75.5	79.1	74.1
% not answered	8.3	7.7	0.0	12.5	9.8	7.4	8.4	9.6	5.7	7.4	10.4	6.6
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	82	67	0	1,720	265	107	122	606	638	159	1,363	65
% organization is a subpart	14.6	6.0	0.0	8.7	4.2	4.7	9.0	13.4	0.5	5.0	8.8	12.3
% organization is not a subpart	75.6	77.6	0.0	81.3	68.3	76.6	82.8	70.8	98.1	71.1	83.9	69.2
% not answered	9.8	16.4	0.0	10.1	27.5	18.7	8.2	15.8	1.4	23.9	7.3	18.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
All Providers													
Number of provider IDs	64,321	17,486	78,708	50,371	1,112,427	52,712	61,625	11,059	11,429	243,730	105,009	14,679	37,913
% billing provider on IP claim	0.4	0.6	0.6	0.5	0.3	0.4	0.6	0.4	0.8	0.7	0.7	0.8	0.7
% NPI billing provider on IP claim	0.4	0.6	0.6	0.4	0.2	0.4	0.6	0.4	0.9	0.7	0.7	0.7	0.4
% billing provider on LT claim	0.4	0.5	0.2	0.6	0.3	0.4	0.7	0.6	1.2	0.3	0.4	0.4	1.0
% NPI billing provider on LT claim	0.4	0.4	0.2	0.6	0.2	0.4	0.6	0.6	0.9	0.3	0.4	0.4	0.5
% billing provider on OT claim	12.1	25.2	34.7	26.2	58.2	14.5	16.7	19.3	29.4	23.1	36.6	42.7	28.2
% servicing provider on OT claim	42.0	44.3	35.9	51.2	68.1	36.7	37.0	73.2	67.3	29.2	62.9	43.2	51.2
% NPI servicing provider on OT claim	26.7	39.1	29.2	36.7	56.1	38.9	29.1	56.7	23.2	24.0	32.6	30.3	26.2
% billing provider on RX claim	2.2	1.0	1.5	1.7	2.3	1.6	1.9	2.4	1.9	1.7	2.3	1.9	2.2
% prescribing provider on RX claim	21.4	16.0	49.7	18.2	37.0	25.1	43.8	47.6	21.8	55.1	2.2	21.8	20.0
% NPI billing provider on RX claim	2.2	1.0	1.5	1.7	2.2	38.4	40.6	2.4	1.6	1.6	2.1	1.8	1.1
% billing provider	14.4	26.2	36.2	28.3	60.6	15.3	18.8	20.5	31.4	24.8	37.7	43.7	31.4
% NPI billing provider	3.0	1.9	2.3	2.7	2.6	39.2	41.8	3.4	3.4	2.4	3.2	2.5	1.9
% servicing provider	42.0	44.3	35.9	51.2	68.1	36.7	37.0	73.2	67.3	29.2	62.9	43.2	51.2
% NPI servicing provider	26.7	39.1	29.2	36.7	56.1	38.9	29.1	56.7	23.2	24.0	32.6	30.3	26.2
% prescribing provider	21.4	16.0	49.7	18.2	37.0	25.1	43.8	47.6	21.8	55.1	2.2	21.8	20.0
% provider IDs with NPI	75.2	78.8	64.1	67.5	66.8	92.3	84.3	59.1	55.6	52.1	93.8	49.7	59.9
% provider IDs linked to NPPES	75.0	76.7	63.9	67.3	9.0	91.7	83.4	58.2	53.8	51.8	93.5	49.5	59.1
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
average number of claims	1745.6	769.0	1998.1	1,867.7	459.2	1,213.0	1,394.3	1,977.3	1310.5	1,349.7	1,537.3	1104.2	773.7
average number of beneficiaries with claims	262.7	114.6	273.5	248.0	72.3	179.8	143.6	199.5	144.5	195.3	254.2	196.8	107.0
Provider IDs with NPI													
Number of provider IDs with NPI	48,344	13,782	50,473	34,015	743,087	48,664	51,974	6,538	6,360	126,986	98,512	7,297	22,707
% NPI source = MSIS	97.3	94.5	96.4	92.3	96.8	94.2	99.1	98.9	93.3	96.9	99.8	96.3	91.1
% NPI source = NPPES	2.7	5.5	3.6	7.7	3.2	5.8	0.9	1.1	6.7	2.8	0.2	3.7	8.9
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	48,209	13,413	50,329	33,884	100,195	48,351	51,395	6,438	6,145	126,308	98,175	7,263	22,409
% linked via NPI	97.3	94.3	96.4	92.3	76.0	94.2	99.1	98.9	93.1	97.2	99.8	96.3	91.0
% linked via Medicaid legacy provider ID	1.7	5.7	3.5	6.3	12.1	5.8	0.9	1.1	6.9	2.7	0.2	3.0	4.9
% linked via Medicare UPIN	1.1	0.0	0.2	1.4	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.1
% with name prefix	36.0	30.9	32.3	35.7	16.5	35.4	38.7	34.1	20.9	35.8	37.4	40.4	30.2
% with first name	78.4	90.1	78.3	78.9	34.3	84.4	82.6	86.2	46.8	73.5	82.5	63.3	75.0
% with middle name	66.2	69.1	57.8	56.9	25.4	63.4	54.8	53.9	30.5	52.7	65.1	50.6	63.8
% with last name	78.4	90.1	78.3	78.9	34.3	84.4	82.6	86.2	46.8	73.5	82.5	63.3	75.0
% with name suffix	6.9	1.9	1.4	3.1	0.8	1.7	1.6	2.2	1.2	2.1	4.9	1.6	1.8
% male	56.0	47.9	47.9	42.2	25.0	48.2	48.9	45.6	28.3	45.5	53.0	41.8	52.7
% female	22.4	42.2	30.4	36.7	9.3	36.3	33.7	40.6	18.6	28.0	29.4	21.6	22.3
% with credential	77.1	76.1	74.8	71.3	33.0	81.3	79.6	74.9	43.9	70.1	80.0	61.7	72.0
% with business name	21.6	9.9	21.7	21.1	65.7	15.6	17.4	13.8	53.2	26.5	17.5	36.7	25.0
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = claim file state code	80.1	61.1	80.6	79.1	85.7	82.8	69.7	70.2	51.0	93.0	84.4	91.9	65.7
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.7	97.4	98.7	99.4	97.8	99.0	97.7	99.7	99.3	99.4	100.0	98.1	99.4
% with provider entity type = individual	78.4	90.1	78.3	78.9	34.3	84.4	82.6	86.2	46.8	73.5	82.5	63.3	75.0
% with provider entity type = organization	21.6	9.9	21.7	21.1	65.7	15.6	17.4	13.8	53.2	26.5	17.5	36.7	25.0

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	815	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	48,207	13,062	49,729	33,730	98,449	47,922	50,222	6,461	6,134	126,090	98,474	7,141	22,538
% individual or group of individuals	80.5	91.5	81.7	80.3	59.8	69.2	86.9	77.3	54.2	80.0	84.2	78.9	76.7
% allopathic and osteopathic physicians	54.5	51.8	54.4	39.7	42.7	41.7	56.7	52.0	41.6	49.9	54.2	47.7	47.2
% behavioral health and social service providers	0.8	3.6	2.5	6.5	0.8	2.2	3.6	5.7	0.4	2.9	3.1	8.6	2.4
% chiropractic providers	4.3	1.7	0.2	0.9	0.5	0.2	0.4	0.1	0.0	1.4	0.2	0.1	1.4
% dental providers	3.1	5.4	0.5	0.5	6.6	6.0	5.9	3.3	3.5	1.7	3.5	4.0	4.0
% dietary and nutritional service providers	0.0	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
% emergency medical service providers	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
% eye and vision service providers	2.2	1.8	1.5	2.4	2.3	1.7	1.5	0.9	0.4	2.0	1.4	3.3	2.0
% nursing service providers	0.1	1.8	0.5	1.7	0.3	1.0	0.3	0.4	0.2	0.6	0.4	0.3	0.2
% nursing service-related providers	0.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2
% other service providers	2.3	6.2	3.5	7.2	3.6	2.0	2.0	1.0	1.0	3.4	3.8	5.7	1.7
% pharmacy service providers	0.5	0.1	0.0	0.5	0.2	0.1	0.1	0.9	0.0	0.2	0.1	0.2	0.1
% physician assistants and advanced practice nursing providers	9.8	11.2	9.1	4.7	0.4	8.8	10.1	7.9	3.0	9.0	11.3	2.7	12.1
% podiatric medicine and surgery service providers	0.3	0.3	1.0	0.6	0.7	0.5	0.9	1.0	1.2	1.2	0.8	0.8	0.6
% respiratory, developmental, rehabilitative, and restorative service providers	1.1	4.6	5.0	6.5	0.3	1.4	1.4	3.2	0.0	2.8	2.3	4.8	2.9
% speech, language, and hearing service providers	0.5	1.5	2.6	7.0	0.6	1.1	0.3	0.4	0.1	2.7	1.8	0.4	0.8
% student health care	0.2	0.5	0.1	0.2	0.0	1.0	3.5	0.4	0.1	0.2	0.2	0.1	0.1
% technologists, technicians, and other technical service providers	0.4	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
% group of individuals with multi- or single specialty	0.2	0.0	0.0	1.6	0.6	1.5	0.0	0.0	2.5	1.8	0.9	0.0	0.7
% nonindividuals	19.5	8.5	18.3	19.7	40.2	30.8	13.1	22.7	45.8	20.0	15.8	21.1	23.3
% agencies	3.4	1.6	2.0	2.2	4.1	2.3	1.0	0.2	2.6	2.2	3.8	1.6	4.0
% ambulatory health care facilities	1.7	1.0	2.5	4.1	6.8	1.8	2.8	12.9	5.7	2.3	2.1	4.4	4.7
% hospital units	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
% hospitals	2.6	0.9	3.9	1.5	14.0	19.4	2.1	1.9	20.3	2.5	2.4	3.7	2.5
% laboratories	0.6	0.6	0.5	0.5	2.3	0.3	0.4	0.4	2.1	0.3	0.3	0.3	0.6
% managed care organizations	0.2	0.0	0.1	0.0	1.2	0.0	0.0	0.0	0.0	0.1	0.0	1.4	0.0
% nursing and custodial care facilities	1.0	0.9	1.0	1.7	0.8	1.3	1.5	0.8	3.3	2.1	0.6	1.3	2.0
% residential treatment facilities	0.3	0.5	1.0	0.2	0.1	0.4	0.1	0.1	1.4	0.2	0.4	0.1	0.0
% respite care facility	0.0	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	9.0	2.2	5.7	8.7	9.4	4.4	4.2	5.4	9.9	10.0	5.5	7.9	8.7
% transportation services	0.8	0.4	0.8	0.7	1.5	0.6	0.8	1.0	0.3	0.3	0.4	0.3	0.7
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 All MAX Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	37,794	12,086	39,422	26,744	34,326	40,831	42,451	5,551	2,878	92,783	80,979	4,600	16,797
% a sole proprietorship	14.9	17.8	18.7	22.2	32.6	15.5	19.1	14.7	21.6	24.0	18.7	37.2	17.2
% not a sole proprietorship	73.9	75.7	71.1	68.5	57.6	76.4	70.4	76.4	71.9	66.1	71.2	54.4	76.0
% not answered	11.2	6.4	10.2	9.4	9.8	8.2	10.5	8.9	6.5	9.8	10.1	8.4	6.8
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	10,415	1,327	10,907	7,140	65,869	7,520	8,944	887	3,267	33,525	17,196	2,663	5,612
% organization is a subpart	13.9	10.2	14.9	14.7	12.6	12.6	8.1	17.7	4.1	14.9	11.3	7.6	10.6
% organization is not a subpart	59.1	62.5	66.7	67.4	66.3	64.3	65.7	55.2	84.8	70.3	65.2	67.6	61.0
% not answered	27.0	27.4	18.4	18.0	21.1	23.1	26.2	27.1	11.1	14.8	23.4	24.8	28.4

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
All Providers													
Number of provider IDs	243,893	84,537	78,250	55,716	62,090	55,831	27,051	93,884	169,330	289,361	177,640	46,193	101,554
% billing provider on IP claim	0.3	0.5	0.5	0.7	0.6	0.9	0.6	0.3	0.2	0.3	0.2	0.7	0.5
% NPI billing provider on IP claim	0.3	0.5	0.5	0.6	0.6	1.3	0.0	0.2	0.1	0.1	0.2	0.7	0.4
% billing provider on LT claim	0.4	1.3	0.9	0.7	0.6	1.6	0.5	0.2	0.6	0.4	0.5	0.6	0.5
% NPI billing provider on LT claim	0.5	1.1	0.9	0.7	0.6	2.0	0.0	0.3	0.3	0.2	0.5	0.6	0.5
% billing provider on OT claim	7.4	13.5	19.7	21.1	28.8	20.6	20.2	14.1	12.2	45.4	48.9	15.8	12.3
% servicing provider on OT claim	37.9	39.9	46.4	49.5	68.9	37.5	29.6	63.0	32.0	65.5	14.3	38.2	45.0
% NPI servicing provider on OT claim	20.2	32.3	34.9	29.8	39.8	40.0	0.0	29.3	17.7	12.3	48.6	31.7	11.8
% billing provider on RX claim	0.4	1.6	1.3	2.3	2.2	2.2	1.4	1.3	1.4	4.0	0.8	1.9	2.8
% prescribing provider on RX claim	46.0	37.9	15.1	25.0	24.8	32.7	46.8	17.7	44.3	23.8	13.2	39.3	38.0
% NPI billing provider on RX claim	1.1	1.6	14.8	1.9	2.1	2.3	1.3	1.3	0.7	1.0	0.8	1.9	3.9
% billing provider	7.8	15.0	20.3	24.2	30.8	24.5	22.2	15.7	13.5	49.6	49.3	18.2	13.9
% NPI billing provider	2.0	3.2	16.1	3.2	3.3	5.6	1.3	1.8	1.2	1.3	1.4	3.1	4.7
% servicing provider	37.9	39.9	46.4	49.5	68.9	37.5	29.6	63.0	32.0	65.5	14.3	38.2	45.0
% NPI servicing provider	20.2	32.3	34.9	29.8	39.8	40.0	0.0	29.3	17.7	12.3	48.6	31.7	11.8
% prescribing provider	46.0	37.9	15.1	25.0	24.8	32.7	46.8	17.7	44.3	23.8	13.2	39.3	38.0
% provider IDs with NPI	41.4	77.8	81.3	82.4	85.6	79.5	7.4	60.3	45.8	35.8	60.7	69.7	49.0
% provider IDs linked to NPPES	41.3	76.6	67.5	82.0	85.4	76.4	4.7	49.4	45.7	35.5	33.3	69.3	35.8
% provider IDs with or without NPI but linked to state provider file	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of claims	1370.3	1,520.1	744.7	774.0	2,039.2	2379.2	1348.7	1,022.2	1119.9	830.0	909.0	1,646.3	1,544.2
average number of beneficiaries with claims	222.8	221.7	111.2	113.4	296.9	369.3	150.4	105.3	175.0	108.4	91.7	280.9	190.5
Provider IDs with NPI													
Number of provider IDs with NPI	100,990	65,800	63,641	45,921	53,141	44,366	2,007	56,568	77,628	103,541	107,856	32,177	49,724
% NPI source = MSIS	99.9	80.3	98.6	99.2	95.5	99.9	37.2	98.2	80.5	94.9	93.9	97.4	91.8
% NPI source = NPPES	0.1	5.0	1.4	0.8	4.5	0.1	62.8	1.8	19.5	5.1	6.1	2.6	8.2
% NPI source = state cross-reference file	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	100,730	64,749	52,854	45,682	53,008	42,671	1,273	46,391	77,461	102,692	59,118	32,027	36,357
% linked via NPI	99.9	94.9	98.3	99.2	95.4	99.9	0.9	97.9	80.5	94.9	88.9	97.4	88.8
% linked via Medicaid legacy provider ID	0.1	5.0	1.7	0.8	4.3	0.0	98.7	2.1	19.5	5.1	11.1	2.5	11.1
% linked via Medicare UPIN	0.0	0.1	0.0	0.0	0.2	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.1
% with name prefix	36.1	26.1	26.9	31.9	30.0	30.1	8.6	35.1	35.9	16.4	21.6	36.2	10.5
% with first name	78.7	65.2	74.7	77.5	74.6	62.0	16.3	72.6	81.4	33.2	67.6	73.8	17.8
% with middle name	53.4	50.5	62.7	61.8	58.0	50.2	13.4	49.8	59.8	25.3	56.9	58.2	14.8
% with last name	78.7	65.2	74.7	77.5	74.6	62.0	16.3	72.6	81.4	33.2	67.6	73.8	17.8
% with name suffix	1.4	1.7	1.4	2.0	2.9	4.8	0.8	2.0	1.7	0.8	0.9	5.7	0.6
% male	50.6	43.5	51.2	47.6	50.1	40.8	9.1	43.8	48.9	21.5	37.4	49.0	11.5
% female	28.2	21.7	23.5	29.9	24.5	21.2	7.2	28.8	32.5	11.7	30.2	24.8	6.3
% with credential	76.0	63.6	73.7	75.4	73.7	60.2	14.1	69.5	79.9	32.1	63.5	71.8	17.1
% with business name	21.3	34.8	25.3	22.5	25.4	38.0	83.7	27.4	18.6	66.8	32.4	26.2	82.2
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = claim file state code	75.2	78.9	62.9	71.3	65.6	84.7	95.3	79.2	91.5	85.7	82.2	65.3	82.3
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.9	99.2	99.0	97.2	99.8	98.4	100.0	98.0	99.6	99.1	99.0	99.8	98.5
% with provider entity type = individual	78.7	65.2	74.7	77.5	74.6	62.0	16.3	72.6	81.4	33.2	67.6	73.8	17.8
% with provider entity type = organization	21.3	34.8	25.3	22.5	25.4	38.0	83.7	27.4	18.6	66.8	32.4	26.2	82.2

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	714	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	99,748	64,655	52,396	44,407	53,030	41,992	1,273	45,784	77,317	102,288	68,839	32,059	39,504
% individual or group of individuals	80.3	74.1	83.4	80.1	79.8	70.9	38.7	82.2	86.7	63.8	56.2	78.8	60.2
% allopathic and osteopathic physicians	61.9	52.4	55.5	51.4	55.6	45.5	17.8	62.1	63.9	41.6	26.8	53.7	41.4
% behavioral health and social service providers	0.1	2.2	1.2	6.2	0.5	1.5	4.2	4.4	2.8	2.6	6.4	1.5	4.4
% chiropractic providers	1.0	1.9	4.6	0.1	1.7	0.3	1.7	0.1	1.2	1.9	3.0	0.8	0.3
% dental providers	2.5	4.0	5.2	1.8	3.9	3.4	1.6	3.2	4.4	4.7	4.1	3.5	1.3
% dietary and nutritional service providers	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
% emergency medical service providers	0.0	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	1.6	2.4	2.6	2.2	1.9	1.2	3.5	0.6	2.5	1.7	1.9	1.8	1.8
% nursing service providers	0.1	0.3	0.1	0.3	0.2	0.4	0.1	0.6	0.7	0.2	0.3	0.5	0.1
% nursing service-related providers	0.0	0.2	0.0	0.2	0.0	1.3	0.1	0.3	0.1	0.0	1.0	0.4	0.5
% other service providers	1.1	1.2	0.9	2.4	2.5	3.7	2.4	3.3	0.2	0.8	0.6	0.4	1.4
% pharmacy service providers	1.8	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.0	0.2	0.2	0.0	0.2
% physician assistants and advanced practice nursing providers	4.7	5.4	7.4	12.6	10.7	10.8	0.5	4.0	4.3	5.9	7.6	12.7	4.3
% podiatric medicine and surgery service providers	1.1	1.0	0.9	0.3	0.6	0.6	1.2	1.6	1.0	1.2	0.4	0.4	0.8
% respiratory, developmental, rehabilitative, and restorative service providers	2.1	1.4	1.8	1.1	0.6	0.6	3.7	1.0	1.7	0.6	2.0	1.4	0.5
% speech, language, and hearing service providers	0.9	0.7	0.6	0.6	0.2	0.8	1.6	0.4	0.4	0.4	0.8	0.9	0.5
% student health care	0.1	0.1	0.2	0.2	0.5	0.3	0.0	0.4	0.0	0.0	0.1	0.0	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
% group of individuals with multi- or single specialty	1.0	0.6	1.7	0.0	0.5	0.0	0.0	0.0	3.6	1.7	0.8	0.9	2.5
% nonindividuals	19.7	25.9	16.6	19.9	20.2	29.1	61.3	17.8	13.3	36.2	43.8	21.2	39.8
% agencies	1.3	5.8	3.3	4.1	4.1	8.3	27.1	1.5	1.9	2.5	14.0	1.3	7.9
% ambulatory health care facilities	4.5	2.1	1.8	2.3	1.7	3.0	4.6	3.3	2.0	3.1	4.8	3.2	8.6
% hospital units	0.1	0.1	0.2	0.0	0.2	0.3	0.0	0.0	0.0	0.2	0.2	0.3	0.1
% hospitals	3.9	7.0	1.6	1.8	2.0	3.5	1.7	1.7	1.0	16.7	13.6	3.0	3.2
% laboratories	0.4	0.4	0.4	0.6	0.6	0.6	0.4	0.5	0.2	0.4	0.2	1.2	0.7
% managed care organizations	0.0	0.0	0.0	0.1	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1
% nursing and custodial care facilities	1.6	2.4	2.4	2.4	1.1	3.2	8.7	1.4	2.5	1.4	4.2	1.4	3.4
% residential treatment facilities	0.2	0.8	0.4	0.3	0.3	1.1	10.1	0.1	0.0	0.1	0.5	0.1	3.3
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0
% suppliers	6.2	6.2	5.0	7.6	9.0	7.9	4.9	8.4	4.7	10.6	5.7	10.0	11.4
% transportation services	1.4	1.1	1.4	0.8	1.1	0.3	3.6	0.8	0.9	1.1	0.6	0.5	1.2

2009 All MAX Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	79,319	42,198	39,463	35,382	39,550	26,442	208	33,659	63,042	34,075	39,974	23,623	6,464
% a sole proprietorship	14.7	13.9	9.9	12.3	14.1	23.0	68.8	18.3	15.3	21.6	12.1	19.7	34.5
% not a sole proprietorship	74.5	77.7	72.0	73.5	78.4	65.6	31.3	67.4	66.3	67.9	73.9	70.7	57.2
% not answered	10.8	8.4	18.1	14.2	7.5	11.4	0.0	14.3	18.5	10.5	14.1	9.7	8.3
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	21,411	22,551	13,391	10,300	13,458	16,229	1,065	12,732	14,419	68,617	19,144	8,404	29,893
% organization is a subpart	18.0	11.0	10.3	18.7	11.5	8.7	7.8	9.3	7.8	11.3	12.1	14.8	14.0
% organization is not a subpart	57.8	62.2	61.7	55.5	71.2	61.6	91.8	71.0	61.3	71.3	71.8	63.1	67.8
% not answered	24.1	26.8	28.0	25.8	17.3	29.8	0.4	19.7	30.9	17.4	16.0	22.1	18.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
All Providers													
Number of provider IDs	19,941	37,774	32,125	30,872	80,943	71,062	311,362	113,214	15,637	120,943	65,157	76,387	166,706
% billing provider on IP claim	0.8	0.7	0.6	0.4	0.7	0.8	0.4	0.3	0.7	0.3	0.6	0.2	0.3
% NPI billing provider on IP claim	0.8	0.0	0.6	0.2	0.4	0.5	0.5	0.3	0.6	0.3	0.6	0.2	0.3
% billing provider on LT claim	0.7	1.0	0.4	0.3	0.5	0.4	0.6	0.9	1.4	1.2	0.7	0.2	0.6
% NPI billing provider on LT claim	0.7	0.0	0.4	0.3	0.4	0.3	0.5	0.7	1.2	0.8	0.7	0.2	0.5
% billing provider on OT claim	28.1	45.0	19.0	14.6	36.5	36.3	28.4	24.6	34.3	24.9	16.1	39.7	15.0
% servicing provider on OT claim	45.2	80.5	31.3	35.6	35.3	57.8	47.5	48.7	54.3	45.8	35.6	39.6	32.3
% NPI servicing provider on OT claim	40.5	0.0	30.8	24.8	49.0	22.2	41.2	44.2	28.4	20.8	32.0	25.1	23.5
% billing provider on RX claim	1.8	1.6	1.6	1.2	2.6	4.0	1.5	1.9	1.8	2.9	1.6	1.0	2.2
% prescribing provider on RX claim	19.6	20.5	30.2	34.8	28.7	26.5	29.9	22.8	22.9	28.2	37.7	28.3	39.5
% NPI billing provider on RX claim	1.8	0.0	1.6	1.1	2.5	3.3	1.5	1.9	1.8	3.2	1.6	1.0	2.2
% billing provider	30.6	45.8	21.3	15.3	37.6	40.3	28.9	26.2	36.5	26.1	18.1	40.8	16.7
% NPI billing provider	3.2	0.0	2.5	1.6	3.2	4.0	2.4	2.9	3.6	4.3	3.0	1.3	3.0
% servicing provider	45.2	80.5	31.3	35.6	35.3	57.8	47.5	48.7	54.3	45.8	35.6	39.6	32.3
% NPI servicing provider	40.5	0.0	30.8	24.8	49.0	22.2	41.2	44.2	28.4	20.8	32.0	25.1	23.5
% prescribing provider	19.6	20.5	30.2	34.8	28.7	26.5	29.9	22.8	22.9	28.2	37.7	28.3	39.5
% provider IDs with NPI	87.3	4.5	68.7	54.5	85.1	75.3	80.5	98.7	45.1	53.3	69.3	53.0	54.0
% provider IDs linked to NPPES	87.1	4.5	64.6	5.6	83.0	75.0	79.7	97.9	44.8	9.4	67.5	52.9	53.8
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
average number of claims	610.3	518.8	760.9	610.7	1572.9	868.5	1,953.7	2,263.9	570.4	1796.6	1,355.5	847.6	841.9
average number of beneficiaries with claims	96.0	88.5	111.6	83.5	195.0	129.2	241.1	289.5	86.6	157.1	217.3	106.5	105.0
Provider IDs with NPI													
Number of provider IDs with NPI	17,414	1,703	22,054	16,838	68,865	53,496	250,544	111,764	7,057	64,461	45,151	40,491	90,023
% NPI source = MSIS	100.0	0.0	95.4	93.0	95.9	98.8	95.2	94.3	96.2	82.4	97.4	97.7	99.9
% NPI source = NPPES	0.0	100.0	4.6	7.0	4.1	1.2	4.8	2.2	3.8	17.6	2.6	2.3	0.1
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	17,370	1,703	20,765	1,744	67,208	53,322	248,201	110,781	7,009	11,349	44,003	40,394	89,612
% linked via NPI	100.0	0.0	95.2	32.1	95.8	98.8	95.2	97.8	96.2	0.0	97.4	97.7	99.9
% linked via Medicaid legacy provider ID	0.0	99.9	4.8	67.8	4.2	1.2	4.8	2.2	0.0	99.2	2.2	1.8	0.1
% linked via Medicare UPIN	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	3.8	0.8	0.4	0.5	0.0
% with name prefix	27.7	36.6	32.5	14.7	35.1	12.8	42.2	31.3	22.9	29.9	30.4	37.6	35.6
% with first name	76.0	59.1	76.8	30.1	71.3	30.0	83.4	60.9	67.3	52.4	73.3	85.1	77.1
% with middle name	58.7	53.9	57.1	24.2	45.1	21.8	50.4	50.1	55.4	43.8	59.4	70.1	57.4
% with last name	76.0	59.1	76.8	30.1	71.3	30.0	83.4	60.9	67.3	52.4	73.3	85.1	77.1
% with name suffix	1.4	1.6	1.7	0.7	1.5	0.7	1.3	3.7	0.8	1.7	2.6	1.7	2.5
% male	46.1	39.1	52.5	17.0	48.4	17.7	47.4	36.4	41.3	33.2	49.0	52.8	52.8
% female	29.9	20.0	24.4	13.1	22.9	12.3	35.9	24.5	26.0	19.3	24.3	32.3	24.3
% with credential	70.9	58.0	74.4	29.6	68.9	29.3	78.4	58.5	64.6	47.0	72.0	83.0	74.8
% with business name	24.0	40.9	23.2	69.9	28.7	70.0	16.6	39.1	32.7	47.6	26.7	14.9	22.9
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = claim file state code	62.7	92.5	69.6	77.9	75.7	56.6	85.0	89.3	72.2	93.5	70.7	75.9	89.3
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	98.6	96.8	99.2	96.7	98.1	99.3	98.0	99.0	99.8	98.2	99.9	99.9	99.6
% with provider entity type = individual	76.0	59.1	76.8	30.1	71.3	30.0	83.4	60.9	67.3	52.4	73.3	85.1	77.1
% with provider entity type = organization	24.0	40.9	23.2	69.9	28.7	70.0	16.6	39.1	32.7	47.6	26.7	14.9	22.9

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with or without NPI but linked to state provider file													
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	411	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	17,152	1,648	20,732	12,371	66,020	53,059	243,155	110,409	7,045	11,146	44,496	40,442	89,533
% individual or group of individuals	77.2	71.8	78.1	82.7	79.9	65.1	86.8	74.5	74.6	78.5	75.3	87.2	79.1
% allopathic and osteopathic physicians	45.2	21.3	56.1	53.4	64.2	33.0	52.6	43.8	35.2	41.7	53.5	55.4	61.0
% behavioral health and social service providers	6.8	11.9	3.9	6.6	1.1	4.3	8.3	8.4	8.2	2.0	1.8	2.7	0.5
% chiropractic providers	1.0	9.2	0.2	0.6	0.6	0.5	0.2	1.5	4.9	4.2	0.1	0.7	1.3
% dental providers	4.3	13.6	4.1	4.7	3.2	2.5	4.6	4.9	3.4	5.6	2.9	4.9	2.6
% dietary and nutritional service providers	0.2	0.2	0.1	0.2	0.0	0.1	0.2	0.0	0.8	0.0	0.5	0.2	0.0
% emergency medical service providers	0.1	0.0	0.0	0.4	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0
% eye and vision service providers	1.8	5.2	1.8	1.5	1.8	1.3	1.6	2.0	3.3	3.8	2.6	2.0	1.2
% nursing service providers	0.1	0.2	0.2	0.3	0.1	0.2	3.3	0.1	1.6	6.3	0.2	1.3	0.5
% nursing service-related providers	0.0	0.0	0.1	0.0	0.2	0.4	0.0	1.1	0.0	4.4	0.2	0.0	0.0
% other service providers	0.9	1.6	1.6	0.9	3.0	2.3	3.6	1.8	1.1	4.0	0.3	3.6	1.4
% pharmacy service providers	0.1	0.5	0.0	0.5	0.1	0.1	0.2	0.1	1.1	0.0	0.0	0.2	0.2
% physician assistants and advanced practice nursing providers	10.5	2.9	4.9	10.0	2.6	3.5	7.3	4.9	9.4	1.4	9.2	9.9	1.8
% podiatric medicine and surgery service providers	0.4	1.8	0.7	0.6	2.0	0.6	1.5	0.6	0.6	3.9	0.4	0.7	1.5
% respiratory, developmental, rehabilitative, and restorative service providers	4.2	2.5	3.0	1.8	0.2	1.4	2.3	2.1	2.9	0.8	1.8	3.4	3.4
% speech, language, and hearing service providers	1.2	1.0	1.1	0.7	0.2	0.6	0.7	2.0	1.8	0.1	1.6	1.0	1.8
% student health care	0.1	0.0	0.1	0.0	0.2	0.2	0.4	0.1	0.0	0.1	0.1	0.4	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	0.0	0.1	0.4	0.0	0.0	0.0	0.1	0.0	0.1	0.0
% group of individuals with multi- or single specialty	0.4	0.0	0.2	0.6	0.2	13.7	0.0	1.1	0.2	0.0	0.1	0.6	2.0
% nonindividuals	22.8	28.2	21.9	17.3	20.1	34.9	13.2	25.5	25.4	21.5	24.7	12.8	20.9
% agencies	3.9	3.3	1.9	3.5	1.8	4.7	2.5	8.0	1.3	4.9	2.1	1.1	3.7
% ambulatory health care facilities	1.9	5.3	2.6	1.5	3.0	6.6	1.2	2.5	4.1	5.5	4.7	2.1	2.9
% hospital units	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.9	0.0	0.0	0.1	0.3
% hospitals	4.3	1.2	5.1	0.9	2.8	7.9	2.3	1.2	4.0	1.2	5.5	0.8	1.6
% laboratories	0.7	0.4	0.7	0.4	0.5	0.9	0.2	0.2	0.3	0.6	0.6	0.7	0.5
% managed care organizations	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0
% nursing and custodial care facilities	1.8	3.1	0.8	1.3	1.5	0.6	1.1	3.9	4.5	0.3	1.8	0.8	1.7
% residential treatment facilities	0.3	0.3	0.6	0.5	0.4	0.3	0.3	2.3	0.2	0.0	0.2	0.4	0.2
% respite care facility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
% suppliers	8.3	11.3	9.1	7.3	8.8	12.5	4.2	6.7	8.0	2.2	8.6	5.7	8.1
% transportation services	1.4	3.0	0.8	1.8	1.1	1.2	1.1	0.5	2.0	6.6	1.1	1.0	1.9
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 All MAX Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
Provider IDs with Entity Type = Individual													
Number of provider IDs with entity type = individual	13,200	1,006	15,953	525	47,945	16,000	206,884	67,450	4,716	5,951	32,272	34,375	69,057
% a sole proprietorship	18.7	37.3	18.8	31.6	22.5	26.3	29.3	18.4	13.7	43.7	18.7	17.0	15.3
% not a sole proprietorship	72.6	53.9	73.5	61.0	65.7	64.7	61.7	74.7	80.7	46.1	74.3	73.5	72.2
% not answered	8.8	8.8	7.7	7.4	11.8	9.0	9.0	7.0	5.6	10.1	7.1	9.5	12.5
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	4,170	697	4,812	1,219	19,263	37,322	41,317	43,331	2,293	5,398	11,731	6,019	20,555
% organization is a subpart	12.0	15.1	16.8	16.7	8.2	15.4	9.1	8.5	10.0	7.8	12.0	12.7	11.5
% organization is not a subpart	64.8	63.7	72.3	67.5	65.7	68.5	63.9	67.1	68.0	71.6	68.4	66.5	65.4
% not answered	23.1	21.2	11.0	15.8	26.0	16.1	27.0	24.4	22.0	20.5	19.6	20.8	23.1

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
All Providers												
Number of provider IDs	21,362	64,253	21,205	135,392	186,001	28,033	17,545	97,526	130,650	53,001	70,487	23,046
% billing provider on IP claim	5.4	0.3	0.8	0.6	0.5	0.4	0.6	1.3	0.4	0.5	0.6	0.6
% NPI billing provider on IP claim	0.2	0.3	0.8	0.7	0.5	0.4	0.6	1.3	0.2	0.5	0.5	0.6
% billing provider on LT claim	1.5	0.4	0.8	0.3	1.1	0.4	0.4	0.4	0.4	0.5	0.6	0.5
% NPI billing provider on LT claim	0.5	0.0	0.8	0.3	1.1	0.4	0.4	0.4	0.2	0.5	0.6	0.4
% billing provider on OT claim	33.7	15.4	39.2	19.0	46.3	25.0	22.4	33.2	17.6	11.7	43.2	14.7
% servicing provider on OT claim	45.8	39.1	38.9	40.0	50.7	37.3	40.6	38.2	48.7	31.3	60.0	48.5
% NPI servicing provider on OT claim	16.1	0.0	34.1	14.4	44.7	29.6	43.8	38.2	23.2	30.6	32.6	36.1
% billing provider on RX claim	1.1	2.0	1.6	5.4	2.3	2.1	1.4	1.8	2.0	1.4	2.0	0.9
% prescribing provider on RX claim	54.6	73.6	22.3	45.5	28.8	42.8	25.9	39.4	35.5	34.4	67.8	12.4
% NPI billing provider on RX claim	0.1	0.1	0.4	5.2	2.3	2.0	1.3	1.8	0.8	1.5	2.0	20.6
% billing provider	36.0	16.9	42.4	24.6	49.2	26.5	24.1	33.8	19.0	13.6	43.6	16.1
% NPI billing provider	0.8	0.5	1.9	6.0	3.8	2.8	2.3	3.2	1.1	2.3	3.1	21.4
% servicing provider	45.8	39.1	38.9	40.0	50.7	37.3	40.6	38.2	48.7	31.3	60.0	48.5
% NPI servicing provider	16.1	0.0	34.1	14.4	44.7	29.6	43.8	38.2	23.2	30.6	32.6	36.1
% prescribing provider	54.6	73.6	22.3	45.5	28.8	42.8	25.9	39.4	35.5	34.4	67.8	12.4
% provider IDs with NPI	17.5	1.6	60.3	52.2	52.4	65.1	90.9	77.3	58.1	63.0	38.3	78.4
% provider IDs linked to NPPES	17.5	1.6	59.9	52.0	46.3	64.8	90.6	73.8	57.8	62.9	38.1	78.0
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
average number of claims	662.7	817.6	413.2	1,170.6	2187.0	996.9	1333.4	804.1	705.1	982.6	1337.6	372.6
average number of beneficiaries with claims	93.1	125.0	85.5	195.4	309.6	148.6	168.0	145.0	132.0	133.8	164.0	56.2
Provider IDs with NPI												
Number of provider IDs with NPI	3,747	1,058	12,795	70,638	97,385	18,239	15,949	75,355	75,927	33,409	27,003	18,060
% NPI source = MSIS	95.9	34.3	86.6	98.8	99.0	99.6	96.4	99.7	99.9	93.7	98.4	96.9
% NPI source = NPPES	4.1	65.7	13.4	1.2	1.0	0.4	3.6	0.3	0.1	6.3	1.6	3.1
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	3,729	1,057	12,712	70,402	86,124	18,170	15,900	71,997	75,458	33,342	26,870	17,976
% linked via NPI	95.9	34.2	86.5	98.8	98.9	99.6	96.4	99.6	99.9	93.6	98.4	96.8
% linked via Medicaid legacy provider ID	2.2	45.2	13.5	0.0	0.1	0.3	3.6	0.3	0.0	6.3	1.5	3.1
% linked via Medicare UPIN	1.9	20.5	0.0	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
% with name prefix	30.5	22.1	18.4	22.5	32.7	31.2	44.7	36.0	23.2	32.2	23.8	35.2
% with first name	82.8	40.7	60.6	49.7	71.4	72.6	87.7	79.5	64.6	76.7	64.2	88.5
% with middle name	55.6	33.3	50.0	39.5	54.0	63.3	66.7	61.8	52.4	61.0	52.6	66.5
% with last name	82.8	40.7	60.6	49.7	71.4	72.6	87.7	79.5	64.6	76.7	64.2	88.5
% with name suffix	2.1	2.9	0.9	2.6	2.9	1.4	1.9	3.7	1.2	3.0	0.8	1.8
% male	50.2	26.6	38.7	31.4	44.1	57.4	47.7	49.6	38.9	49.7	32.5	58.2
% female	32.6	14.1	21.9	18.3	27.3	15.2	40.0	29.9	25.7	27.0	31.7	30.3
% with credential	80.4	38.9	58.4	48.1	69.2	69.9	85.1	76.5	61.2	72.2	60.8	84.9
% with business name	17.2	59.3	39.4	50.3	28.6	27.4	12.3	20.5	35.4	23.3	35.8	11.5
% with address line 1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% state = claim file state code	84.6	65.8	68.4	62.3	93.5	87.1	56.5	70.6	86.5	52.3	71.2	31.6
% with zip code	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
% with primary taxonomy	99.5	99.0	99.0	99.5	99.3	98.6	98.2	98.8	99.1	99.8	99.5	99.7
% with provider entity type = individual	82.8	40.7	60.6	49.7	71.4	72.6	87.7	79.5	64.6	76.7	64.2	88.5
% with provider entity type = organization	17.2	59.3	39.4	50.3	28.6	27.4	12.3	20.5	35.4	23.3	35.8	11.5

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with or without NPI but linked to state provider file												
Number of provider IDs with or without NPI linked to state provider file	0	0	0	0	0	0	0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	3,721	1,047	12,618	70,258	86,652	17,939	15,643	72,407	75,105	33,358	26,869	17,962
% individual or group of individuals	83.1	43.2	68.8	52.5	73.0	80.7	88.5	83.5	81.1	80.2	68.1	88.8
% allopathic and osteopathic physicians	59.9	27.0	40.5	29.8	45.4	54.1	50.7	57.3	52.3	55.2	23.0	65.1
% behavioral health and social service providers	5.9	2.5	4.0	4.0	5.5	1.1	13.1	6.8	0.9	2.2	10.9	1.5
% chiropractic providers	0.2	2.5	4.1	0.4	0.6	2.4	1.3	0.1	0.1	1.0	4.2	0.4
% dental providers	3.6	1.9	0.5	1.8	4.4	6.8	4.2	3.2	4.7	3.5	4.5	4.1
% dietary and nutritional service providers	0.2	0.2	0.1	0.0	0.2	0.0	0.3	0.0	0.2	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1
% eye and vision service providers	2.4	1.4	3.2	1.8	1.5	2.6	1.3	2.1	2.7	1.2	2.7	1.8
% nursing service providers	1.5	0.2	0.2	0.3	0.4	0.3	0.6	0.1	0.2	1.0	0.4	0.2
% nursing service-related providers	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.8	0.0	0.0
% other service providers	1.6	2.7	1.1	1.4	1.4	2.4	1.3	5.4	2.3	0.5	0.2	0.6
% pharmacy service providers	0.0	0.3	0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.3
% physician assistants and advanced practice nursing providers	5.5	2.6	10.7	8.4	7.4	3.5	10.3	5.7	9.9	7.5	10.6	11.6
% podiatric medicine and surgery service providers	1.3	0.0	0.6	0.4	0.8	1.3	0.4	0.9	0.9	0.6	0.5	0.4
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	0.9	2.2	1.9	1.4	3.4	2.5	0.8	4.6	2.6	8.1	1.4
% speech, language, and hearing service providers	0.4	0.8	1.0	0.6	1.4	1.1	0.5	0.4	1.3	3.4	2.3	0.5
% student health care	0.1	0.0	0.0	0.1	0.1	0.2	1.6	0.2	0.0	0.0	0.0	0.9
% technologists, technicians, and other technical service providers	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
% group of individuals with multi- or single specialty	0.1	0.1	0.3	1.4	2.4	0.9	0.2	0.1	0.6	0.6	0.6	0.0
% nonindividuals	16.9	56.8	31.2	47.5	27.0	19.3	11.5	16.5	18.9	19.8	31.9	11.2
% agencies	4.0	5.0	4.5	1.7	5.7	2.3	0.9	2.7	1.2	1.6	3.5	3.1
% ambulatory health care facilities	1.0	1.1	4.2	2.1	2.8	2.6	1.3	1.8	6.6	1.9	3.5	1.8
% hospital units	0.1	1.8	0.7	1.2	0.1	0.2	0.1	0.0	0.2	0.2	0.0	0.2
% hospitals	2.8	22.2	7.5	17.2	1.1	2.7	1.7	2.7	2.4	2.5	13.7	1.5
% laboratories	0.2	0.4	0.6	0.4	0.5	0.7	0.5	0.5	0.5	1.5	0.6	0.5
% managed care organizations	0.0	0.5	0.0	0.0	0.1	0.1	0.0	0.0	1.7	0.0	0.0	0.0
% nursing and custodial care facilities	2.9	19.6	3.5	1.5	2.9	1.2	1.0	0.6	0.8	1.2	2.1	0.6
% residential treatment facilities	1.4	1.8	0.3	0.1	0.2	0.1	0.1	0.4	0.1	0.4	0.1	0.5
% respite care facility	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0
% suppliers	3.5	4.5	7.1	22.4	12.5	8.5	4.2	6.6	5.0	8.6	6.8	2.6
% transportation services	1.0	0.0	2.6	0.9	1.1	1.0	1.6	1.1	0.6	1.7	1.7	0.6
% nonmedical	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2009 All MAX Provider Characteristics Cross State Validation Table
 Last Update: 09/08/2012

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
Provider IDs with Entity Type = Individual												
Number of provider IDs with entity type = individual	3,086	430	7,707	34,961	61,502	13,194	13,948	57,216	48,719	25,586	17,256	15,909
% a sole proprietorship	15.4	20.7	10.0	17.7	24.2	19.6	21.6	14.3	15.7	17.4	12.1	16.2
% not a sole proprietorship	74.4	71.6	77.7	71.7	70.1	73.1	67.9	75.8	78.2	71.5	75.9	76.4
% not answered	10.3	7.7	12.3	10.6	5.7	7.3	10.5	9.9	6.2	11.1	12.0	7.5
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	643	627	5,005	35,441	24,622	4,976	1,952	14,781	26,739	7,756	9,614	2,067
% organization is a subpart	9.2	8.3	10.4	30.0	14.8	9.0	8.1	9.5	12.6	9.3	12.8	9.9
% organization is not a subpart	56.1	58.5	66.8	60.5	63.6	77.7	62.5	69.0	74.5	68.2	74.0	64.8
% not answered	34.7	33.2	22.8	9.5	21.7	13.3	29.4	21.5	12.9	22.5	13.3	25.3

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2009.

NOTE: The following six states were processed without the full complement of seven quarters of data typically used when processing MAX files:

1. Hawaii: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010
2. Idaho: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4; IP and LT claims with service dates in 2009 that were adjudicated in FFY2010 Q3 and Q4; and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q3 and Q4
3. New Hampshire: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4, and RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4
4. Oklahoma: Excludes OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4
5. Utah: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q2, Q3, and Q4
6. Wisconsin: Excludes IP, LT, and OT claims with service dates in 2009 that were adjudicated in FFY2010 Q4 as well as RX claims with fill dates in 2009 that were adjudicated in FFY2010 Q4

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