Medicaid Analytic Extract Provider Characteristics (MAXPC)

Cross-State Validation Tables, 2010

Final Report

May 31, 2013

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Policy Research

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SPECIAL NOTE TO MAXPC 2010 USERS
5/31/2013

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

- Idaho

- Kansas

- Maine

- New Jersey

- North Dakota

- Utah

The following state was processed without the full complement of seven quarters of data typically used when processing MAX files:

- Massachusetts: Excludes IP, LT, OT, and RX claims with service dates in 2010 that were adjudicated in FFY2011 Q3 and 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
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-state 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. 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 NPPES, 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 NPPES. Among providers, taxonomies are

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[1] CMS. "National Provider Identifier (NPI) Overview." Available at [http://www.cms.gov/nationalProvIdentstand/].

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 primary source of data used in the MAXPC 2010 files was the MSIS Valid claims files. The following measures in the MAXPC file were derived from original, unadjusted claims:

- 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

2010 MAXPC CROSS-STATE VALIDATION TABLES

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2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
IP Providers													
Number of provider IDs	590	109	905	441	2,882	455	770	58	161	3,140	1,184	243	
% billing provider on IP claim	50.3	100.0	49.9	55.1	100.0	49.5	50.1	100.0	50.3	52.8	53.4	51.0	
% NPI billing provider on IP claim	49.7	97.2	50.1	44.9	77.8	50.5	49.9	98.3	49.7	47.2	46.6	49.0	
% also a provider on LT claim	0.7	11.0	0.7	1.1	3.0	0.9	0.5	1.7	0.6	16.7	3.8	23.0	
% also a provider on OT claim	86.3	76.1	80.8	52.6	81.1	64.8	39.7	79.3	85.7	92.9	85.6	81.1	
% also a provider on RX claim	0.0	0.0	6.4	0.5	5.6	4.0	0.3	3.4	13.7	3.2	7.0	7.8	
% provider IDs with NPI	100.0	98.2	99.6	89.3	78.5	96.9	99.9	98.3	97.5	96.1	98.5	93.4	
% provider IDs linked to NPPES	100.0	94.5	99.6	89.3	32.5	96.9	99.9	98.3	97.5	96.0	98.5	93.4	
% 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	
average number of IP claims	557.8	199.1	505.5	563.8	335.2	337.8	600.3	230.0	448.3	384.7	537.0	368.9	
average number of beneficiaries with IP claims	432.8	170.2	414.1	461.7	239.6	284.1	352.1	186.4	341.3	286.5	466.4	178.0	
Provider IDs with NPI													
Number of provider IDs with NPI	590	107	901	394	2,261	441	769	57	157	3,018	1,166	227	
% NPI source = MSIS	100.0	99.1	100.0	99.0	99.2	99.8	100.0	100.0	100.0	99.6	99.7	99.6	
% NPI source = NPPES	0.0	0.9	0.0	1.0	0.8	0.2	0.0	0.0	0.0	0.4	0.3	0.4	
% 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	590	103	901	394	936	441	769	57	157	3,014	1,166	227	
% linked via NPI	100.0	99.0	100.0	99.0	98.1	99.8	100.0	100.0	100.0	99.6	99.7	99.6	
% linked via Medicaid legacy provider ID	0.0	1.0	0.0	1.0	1.0	0.2	0.0	0.0	0.0	0.4	0.3	0.4	
% linked via Medicare UPIN	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% with name prefix	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.1	0.3	4.0	
% with first name	0.0	0.0	0.1	0.3	1.0	0.0	0.0	0.0	1.3	0.6	0.6	4.0	
% with middle name	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.0	1.3	0.6	0.6	3.1	
% with last name	0.0	0.0	0.1	0.3	1.0	0.0	0.0	0.0	1.3	0.6	0.6	4.0	
% 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	0.3	0.3	0.0	0.0	0.0	0.6	0.3	0.4	3.5	
% female	0.0	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.6	0.2	0.2	0.4	
% with credential	0.0	0.0	0.1	0.3	1.0	0.0	0.0	0.0	1.3	0.6	0.6	4.0	
% with business name	100.0	100.0	99.9	99.7	98.9	100.0	99.7	100.0	98.7	99.4	99.2	96.0	
% with address line 1	100.0	100.0	100.0	100.0	99.9	100.0	99.7	100.0	100.0	99.9	99.8	100.0	
% with city	100.0	100.0	100.0	100.0	99.9	100.0	99.7	100.0	100.0	99.9	99.8	100.0	
% with state	100.0	100.0	100.0	100.0	99.9	100.0	99.7	100.0	100.0	99.9	99.8	100.0	
% state = IP state code	40.7	33.0	31.0	49.0	33.7	39.5	16.4	15.8	27.4	40.3	37.6	91.2	
% with zip code	100.0	100.0	100.0	100.0	99.9	100.0	99.7	100.0	100.0	99.9	99.8	100.0	
% with primary taxonomy	99.7	100.0	99.8	99.0	99.6	99.1	98.4	100.0	100.0	99.3	99.7	100.0	
% with provider entity type = individual	0.0	0.0	0.1	0.3	1.0	0.0	0.0	0.0	1.3	0.6	0.6	4.0	
% with provider entity type = organization	100.0	100.0	99.9	99.7	98.9	100.0	99.7	100.0	98.7	99.4	99.2	96.0	

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	0	0	0	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	588	103	899	390	932	437	757	57	157	2,994	1,162	227	
% individual or group of individuals	0.0	1.0	0.8	0.3	1.3	0.7	0.5	0.0	6.4	1.7	1.1	9.3	
% allopathic and osteopathic physicians	0.0	0.0	0.4	0.3	0.5	0.7	0.5	0.0	4.5	1.1	0.8	6.2	
% behavioral health and social service providers	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
% chiropractic providers	0.0	0.0	0.0	0.0	0.2	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	0.1	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	0.2	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	0.0	0.0	0.0	
% other service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.1	0.0	3.1	
% pharmacy service providers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
% physician assistants and advanced practice nursing providers	0.0	1.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.3	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	0.1	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	
% 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	0.0	0.0	0.0	
% nonindividuals	100.0	99.0	99.2	99.7	98.7	99.3	99.5	100.0	93.6	98.3	98.9	90.7	
% agencies	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	14.1	
% ambulatory health care facilities	0.0	3.9	2.0	0.0	0.9	0.9	0.3	1.8	0.0	1.9	0.2	1.8	
% hospital units	4.1	6.8	2.4	0.0	4.8	2.1	7.5	1.8	6.4	1.4	1.6	3.5	
% hospitals	95.9	88.3	88.3	99.7	92.5	96.3	91.7	96.5	87.3	75.9	94.4	32.2	
% 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	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
% nursing and custodial care facilities	0.0	0.0	0.9	0.0	0.3	0.0	0.0	0.0	0.0	17.4	0.5	37.9	
% residential treatment facilities	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.3	0.4	
% 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	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.5	0.9	
% transportation services	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.2	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	

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	1	1	9	0	0	0	2	17	7	9	
% a sole proprietorship	0.0	0.0	0.0	100.0	22.2	0.0	0.0	0.0	50.0	35.3	57.1	11.1	
% not a sole proprietorship	0.0	0.0	100.0	0.0	55.6	0.0	0.0	0.0	50.0	64.7	42.9	77.8	
% not answered	0.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	11.1	
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	590	103	900	393	926	441	767	57	155	2,995	1,157	218	
% organization is a subpart	7.1	10.7	12.4	3.6	12.0	8.4	7.8	7.0	3.9	9.4	6.2	14.2	
% organization is not a subpart	82.9	82.5	75.4	84.2	76.3	82.3	79.8	82.5	93.5	81.2	85.6	52.3	
% not answered	10.0	6.8	12.1	12.2	11.7	9.3	12.4	10.5	2.6	9.3	8.2	33.5	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
IP Providers													
Number of provider IDs	1,277	849	735		766	1,282		455	619	1,654	880	684	913
% billing provider on IP claim	45.1	48.1	50.3		50.5	39.2		53.2	50.1	69.0	50.0	49.6	54.8
% NPI billing provider on IP claim	54.9	51.9	49.7		49.5	60.8		46.8	49.9	34.9	50.0	50.4	45.2
% also a provider on LT claim	0.9	8.4	0.5		0.4	1.4		4.6	0.2	19.2	18.8	7.5	0.0
% also a provider on OT claim	90.8	91.8	63.8		73.0	69.0		85.9	72.2	78.6	86.9	82.3	90.6
% also a provider on RX claim	13.0	9.0	6.4		2.2	6.5		17.1	11.5	19.5	5.2	15.6	46.2
% provider IDs with NPI	90.8	100.0	99.2		99.6	91.8		93.4	99.8	81.0	92.2	99.0	69.3
% provider IDs linked to NPPES	90.8	100.0	98.9		99.6	78.5		92.7	99.8	80.8	92.0	99.0	63.9
% 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
average number of IP claims	707.6	485.4	227.4		445.6	499.2		758.4	522.0	304.9	282.9	396.6	441.1
average number of beneficiaries with IP claims	511.6	370.9	187.7		362.2	341.4		476.4	365.8	208.6	221.6	312.6	339.8
Provider IDs with NPI													
Number of provider IDs with NPI	1,159	849	729		763	1,177		425	618	1,339	811	677	633
% NPI source = MSIS	100.0	95.9	99.0		100.0	100.0		96.5	100.0	97.5	95.1	99.4	79.9
% NPI source = NPPES	0.0	0.5	1.0		0.0	0.0		3.5	0.0	2.5	4.9	0.6	20.1
% NPI source = state cross-reference file	0.0	3.7	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	1,159	849	727		763	1,006		422	618	1,337	810	677	583
% linked via NPI	100.0	99.5	99.0		100.0	100.0		96.4	100.0	97.5	95.1	99.4	78.2
% linked via Medicaid legacy provider ID	0.0	0.5	1.0		0.0	0.0		3.6	0.0	2.4	4.9	0.6	21.8
% linked via Medicare UPIN	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		0.0	0.0	0.4	0.1	0.0	3.8
% with first name	0.0	0.0	0.0		0.0	0.2		0.0	0.0	1.1	0.1	0.6	7.0
% with middle name	0.0	0.0	0.0		0.0	0.1		0.0	0.0	0.9	0.1	0.3	6.3
% with last name	0.0	0.0	0.0		0.0	0.2		0.0	0.0	1.1	0.1	0.6	7.0
% with name suffix	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.5
% male	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.6	0.0	0.6	6.2
% female	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.5	0.1	0.0	0.9
% with credential	0.0	0.0	0.0		0.0	0.2		0.0	0.0	1.1	0.1	0.6	6.9
% with business name	99.9	100.0	99.4		100.0	99.7		100.0	99.7	98.7	99.9	99.4	92.5
% with address line 1	99.9	100.0	99.4		100.0	99.9		100.0	99.7	99.8	100.0	100.0	99.5
% with city	99.9	100.0	99.4		100.0	99.9		100.0	99.7	99.8	100.0	100.0	99.5
% with state	99.9	100.0	99.4		100.0	99.9		100.0	99.7	99.8	100.0	100.0	99.5
% state = IP state code	36.4	48.8	35.8		29.0	37.2		34.4	40.3	42.4	35.8	42.8	73.8
% with zip code	99.9	100.0	99.4		100.0	99.9		100.0	99.7	99.8	100.0	100.0	99.5
% with primary taxonomy	99.2	99.3	99.2		100.0	99.5		99.5	99.4	99.5	99.5	99.7	99.1
% with provider entity type = individual	0.0	0.0	0.0		0.0	0.2		0.0	0.0	1.1	0.1	0.6	7.0
% with provider entity type = organization	99.9	100.0	99.4		100.0	99.7		100.0	99.7	98.7	99.9	99.4	92.5

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	0	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	1,150	843	721		763	1,001		420	614	1,330	806	675	578
% individual or group of individuals	0.2	0.8	0.3		0.0	0.1		0.2	0.0	4.9	0.2	0.6	23.9
% allopathic and osteopathic physicians	0.1	0.6	0.0		0.0	0.0		0.0	0.0	2.9	0.1	0.6	23.0
% behavioral health and social service providers	0.0	0.2	0.0		0.0	0.0		0.0	0.0	1.1	0.1	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
% dental providers	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
% emergency medical service providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.2	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
% nursing service providers	0.0	0.0	0.0		0.0	0.1		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
% other service providers	0.0	0.0	0.3		0.0	0.0		0.0	0.0	0.2	0.0	0.0	0.7
% 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
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.5	0.0	0.0	0.2
% podiatric medicine and surgery service providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.1	0.0	0.0	0.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0		0.0	0.0		0.2	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
% 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
% technologists, technicians, and other technical service providers	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	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% nonindividuals	99.8	99.2	99.7		100.0	99.9		99.8	100.0	95.1	99.8	99.4	76.1
% agencies	0.0	0.5	0.0		0.0	0.0		0.0	0.0	1.4	0.2	0.0	0.2
% ambulatory health care facilities	0.3	1.7	0.3		0.0	0.6		0.5	0.7	2.1	0.9	0.0	7.6
% hospital units	8.8	7.1	3.7		0.0	5.6		1.4	15.3	7.3	10.3	10.2	5.9
% hospitals	90.3	89.6	95.7		100.0	92.6		95.5	83.7	82.8	88.1	88.9	61.1
% laboratories	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.1	0.0	0.0	0.0
% managed care organizations	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	0.3	0.1	0.0		0.0	1.1		0.0	0.0	0.3	0.0	0.3	0.0
% residential treatment facilities	0.0	0.2	0.0		0.0	0.0		1.0	0.0	0.2	0.0	0.0	0.7
% 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
% suppliers	0.2	0.0	0.0		0.0	0.0		0.7	0.0	0.9	0.2	0.0	0.2
% transportation services	0.0	0.0	0.0		0.0	0.0		0.5	0.3	0.2	0.0	0.0	0.5
% nonmedical	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	2		0	0	15	1	4	41
% a sole proprietorship	0.0	0.0	0.0		0.0	0.0		0.0	0.0	20.0	0.0	0.0	36.6
% not a sole proprietorship	0.0	0.0	0.0		0.0	50.0		0.0	0.0	80.0	100.0	100.0	61.0
% not answered	0.0	0.0	0.0		0.0	50.0		0.0	0.0	0.0	0.0	0.0	2.4
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,158	849	723		763	1,003		422	616	1,319	809	673	539
% organization is a subpart	10.7	10.0	8.3		8.8	10.8		5.2	15.4	12.6	9.5	12.6	16.0
% organization is not a subpart	78.3	81.0	84.4		84.1	80.7		86.3	74.2	77.1	80.7	75.6	75.0
% not answered	11.0	9.0	7.3		7.1	8.6		8.5	10.4	10.3	9.8	11.7	9.1

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
IP Providers													
Number of provider IDs	306	289	431	194		1,079	2,381	754		1,268	860	334	832
% billing provider on IP claim	50.3	100.0	51.3	63.9		62.7	48.8	50.1		41.9	50.2	54.8	51.1
% NPI billing provider on IP claim	49.7	0.0	48.7	36.1		37.3	51.2	49.9		58.1	49.8	45.2	48.9
% also a provider on LT claim	3.6	22.5	3.9	11.3		5.7	24.4	0.1		12.7	1.6	8.4	0.2
% also a provider on OT claim	84.3	83.4	48.3	53.6		76.3	85.9	81.3		71.5	73.4	55.4	80.4
% also a provider on RX claim	3.3	5.2	1.9	0.0		2.4	3.3	7.6		10.9	0.1	9.9	4.3
% provider IDs with NPI	100.0	8.0	100.0	73.7		98.8	87.4	100.0		84.5	99.9	95.2	99.3
% provider IDs linked to NPPES	100.0	8.0	100.0	1.5		98.8	87.3	100.0		40.5	99.9	95.2	99.3
% 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
average number of IP claims	160.2	178.7	223.3	198.2		147.5	1,827.3	930.4		222.2	399.2	393.9	424.2
average number of beneficiaries with IP claims	132.2	144.9	158.3	164.8		123.4	685.7	754.2		175.3	311.3	335.8	259.8
Provider IDs with NPI													
Number of provider IDs with NPI	306	23	431	143		1,066	2,080	754		1,072	859	318	826
% NPI source = MSIS	100.0	0.0	100.0	97.9		100.0	96.6	99.7		82.9	100.0	97.2	100.0
% NPI source = NPPES	0.0	100.0	0.0	2.1		0.0	3.4	0.3		17.1	0.0	2.8	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
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	306	23	431	3		1,066	2,079	754		514	859	318	826
% linked via NPI	100.0	0.0	100.0	0.0		100.0	96.6	99.7		64.4	100.0	97.2	100.0
% linked via Medicaid legacy provider ID	0.0	100.0	0.0	100.0		0.0	3.3	0.3		35.6	0.0	1.9	0.0
% linked via Medicare UPIN	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.9	0.0
% with name prefix	0.0	4.3	0.0	0.0		0.8	0.0	0.0		0.0	0.0	0.3	0.0
% with first name	0.0	13.0	0.0	0.0		1.2	0.2	0.0		0.4	0.0	0.6	0.0
% with middle name	0.0	13.0	0.0	0.0		1.0	0.1	0.0		0.4	0.0	0.6	0.0
% with last name	0.0	13.0	0.0	0.0		1.2	0.2	0.0		0.4	0.0	0.6	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
% male	0.0	8.7	0.0	0.0		0.8	0.0	0.0		0.0	0.0	0.3	0.0
% female	0.0	4.3	0.0	0.0		0.4	0.1	0.0		0.4	0.0	0.3	0.0
% with credential	0.0	13.0	0.0	0.0		1.2	0.2	0.0		0.4	0.0	0.6	0.0
% with business name	100.0	87.0	100.0	100.0		98.4	99.2	100.0		99.6	99.8	99.4	99.6
% with address line 1	100.0	100.0	100.0	100.0		99.6	99.4	100.0		100.0	99.8	100.0	99.6
% with city	100.0	100.0	100.0	100.0		99.6	99.4	100.0		100.0	99.8	100.0	99.6
% with state	100.0	100.0	100.0	100.0		99.6	99.4	100.0		100.0	99.8	100.0	99.6
% state = IP state code	47.7	78.3	42.2	66.7		28.0	44.9	46.4		85.2	44.2	50.0	60.8
% with zip code	100.0	100.0	100.0	100.0		99.6	99.4	100.0		100.0	99.8	100.0	99.6
% with primary taxonomy	99.3	100.0	99.5	100.0		99.2	98.7	100.0		98.6	99.3	100.0	98.9
% with provider entity type = individual	0.0	13.0	0.0	0.0		1.2	0.2	0.0		0.4	0.0	0.6	0.0
% with provider entity type = organization	100.0	87.0	100.0	100.0		98.4	99.2	100.0		99.6	99.8	99.4	99.6

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	304	23	429	3		1,057	2,051	754		507	853	318	817
% individual or group of individuals	0.0	13.0	0.0	0.0		2.9	0.9	0.0		1.2	0.0	1.9	1.1
% allopathic and osteopathic physicians	0.0	4.3	0.0	0.0		2.6	0.5	0.0		1.0	0.0	1.9	0.9
% behavioral health and social service providers	0.0	0.0	0.0	0.0		0.0	0.1	0.0		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
% dental providers	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
% 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
% eye and vision service providers	0.0	0.0	0.0	0.0		0.2	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	0.1	0.0		0.2	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
% other service providers	0.0	0.0	0.0	0.0		0.2	0.0	0.0		0.0	0.0	0.0	0.2
% 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
% physician assistants and advanced practice nursing providers	0.0	8.7	0.0	0.0		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
% respiratory, developmental, rehabilitative, and restorative service providers	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	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
% 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
% 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	0.0
% nonindividuals	100.0	87.0	100.0	100.0		97.1	99.1	100.0		98.8	100.0	98.1	98.9
% agencies	0.0	0.0	0.0	0.0		0.0	2.0	0.0		0.0	0.0	0.0	0.0
% ambulatory health care facilities	3.0	17.4	21.4	0.0		1.8	4.6	0.3		0.2	0.5	0.6	0.0
% hospital units	8.2	13.0	1.4	0.0		5.4	13.0	13.3		0.8	10.6	10.4	10.8
% hospitals	88.2	43.5	77.2	100.0		88.0	72.7	85.9		65.9	85.9	85.2	88.1
% laboratories	0.0	0.0	0.0	0.0		0.0	0.4	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		0.0	0.0	1.3	0.0
% nursing and custodial care facilities	0.0	13.0	0.0	0.0		0.6	4.4	0.3		31.6	0.0	0.0	0.0
% residential treatment facilities	0.7	0.0	0.0	0.0		0.9	1.3	0.0		0.0	3.0	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
% suppliers	0.0	0.0	0.0	0.0		0.3	0.5	0.3		0.4	0.0	0.0	0.0
% transportation services	0.0	0.0	0.0	0.0		0.2	0.2	0.0		0.0	0.0	0.6	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

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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		13	4	0		2	0	2	0
% a sole proprietorship	0.0	33.3	0.0	0.0		0.0	25.0	0.0		0.0	0.0	0.0	0.0
% not a sole proprietorship	0.0	66.7	0.0	0.0		100.0	75.0	0.0		100.0	0.0	100.0	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
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	306	20	431	3		1,049	2,063	754		512	857	316	823
% organization is a subpart	10.8	25.0	11.1	0.0		13.0	12.3	12.2		7.6	9.1	18.4	10.2
% organization is not a subpart	82.0	55.0	82.8	66.7		75.9	69.6	78.8		74.8	86.1	75.0	75.6
% not answered	7.2	20.0	6.0	33.3		11.2	18.2	9.0		17.6	4.8	6.6	14.2

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
IP Providers												
Number of provider IDs	1,184	242	361	1,745	886		197	1,347	517	420	452	280
% billing provider on IP claim	100.0	100.0	50.4	48.1	99.8		49.7	100.0	52.0	50.0	100.0	50.4
% NPI billing provider on IP claim	4.9	100.0	49.6	51.9	90.4		50.3	100.0	48.5	50.0	97.3	49.6
% also a provider on LT claim	0.0	3.3	0.6	40.6	2.0		11.2	20.1	4.6	1.7	0.0	13.9
% also a provider on OT claim	88.9	66.1	38.2	89.5	91.8		39.1	64.7	79.3	84.8	90.3	51.8
% also a provider on RX claim	1.3	6.6	0.0	0.3	0.0		0.0	10.1	7.4	8.3	7.3	3.9
% provider IDs with NPI	6.6	100.0	100.0	92.6	90.5		98.5	100.0	95.7	98.8	97.8	100.0
% provider IDs linked to NPPES	6.6	100.0	100.0	92.6	90.4		98.5	99.7	95.7	98.8	97.8	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
average number of IP claims	82.6	398.2	136.2	318.2	1102.9		192.8	398.2	447.7	319.8	380.8	112.0
average number of beneficiaries with IP claims	37.3	328.1	116.6	198.3	836.2		142.2	178.7	330.8	203.4	275.4	92.8
Provider IDs with NPI												
Number of provider IDs with NPI	78	242	361	1,615	802		194	1,347	495	415	442	280
% NPI source = MSIS	74.4	100.0	100.0	100.0	100.0		100.0	100.0	100.0	99.5	100.0	100.0
% NPI source = NPPES	25.6	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.5	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
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	78	242	361	1,615	801		194	1,343	495	415	442	280
% linked via NPI	74.4	100.0	100.0	100.0	100.0		100.0	100.0	100.0	99.5	100.0	100.0
% linked via Medicaid legacy provider ID	5.1	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.5	0.0	0.0
% linked via Medicare UPIN	20.5	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	3.8	0.0	0.0	0.2	1.5		0.0	0.1	0.0	0.0	0.0	0.0
% with first name	11.5	0.0	0.0	0.4	2.5		0.0	0.1	0.0	0.0	0.0	0.0
% with middle name	6.4	0.0	0.0	0.4	1.9		0.0	0.0	0.0	0.0	0.0	0.0
% with last name	11.5	0.0	0.0	0.4	2.5		0.0	0.1	0.0	0.0	0.0	0.0
% with name suffix	0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% male	6.4	0.0	0.0	0.2	1.1		0.0	0.0	0.0	0.0	0.0	0.0
% female	5.1	0.0	0.0	0.2	1.4		0.0	0.1	0.0	0.0	0.0	0.0
% with credential	11.5	0.0	0.0	0.3	2.5		0.0	0.1	0.0	0.0	0.0	0.0
% with business name	88.5	100.0	100.0	99.4	97.1		100.0	99.8	100.0	100.0	100.0	100.0
% with address line 1	100.0	100.0	100.0	99.8	99.6		100.0	99.9	100.0	100.0	100.0	100.0
% with city	100.0	100.0	100.0	99.8	99.6		100.0	99.9	100.0	100.0	100.0	100.0
% with state	100.0	100.0	100.0	99.8	99.6		100.0	99.9	100.0	100.0	100.0	100.0
% state = IP state code	25.6	37.2	40.4	62.4	71.3		22.7	51.3	43.2	33.5	31.0	23.9
% with zip code	100.0	100.0	100.0	99.8	99.6		100.0	99.9	100.0	100.0	100.0	100.0
% with primary taxonomy	98.7	99.2	99.4	98.1	98.9		100.0	98.6	99.6	100.0	99.3	96.4
% with provider entity type = individual	11.5	0.0	0.0	0.4	2.5		0.0	0.1	0.0	0.0	0.0	0.0
% with provider entity type = organization	88.5	100.0	100.0	99.4	97.1		100.0	99.8	100.0	100.0	100.0	100.0

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	77	240	359	1,584	792		194	1,324	493	415	439	270
% individual or group of individuals	16.9	0.4	0.6	1.0	3.7		0.0	2.2	0.0	0.0	0.5	0.0
% allopathic and osteopathic physicians	7.8	0.4	0.6	0.4	2.3		0.0	0.6	0.0	0.0	0.5	0.0
% behavioral health and social service providers	3.9	0.0	0.0	0.3	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% chiropractic providers	1.3	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
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.1		0.0	0.0	0.0	0.0	0.0	0.0
% emergency medical service providers	1.3	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	1.3	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	0.1	0.0	0.0	0.0	0.0
% nursing service-related providers	0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% other service providers	0.0	0.0	0.0	0.1	0.0		0.0	0.2	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
% physician assistants and advanced practice nursing providers	1.3	0.0	0.0	0.0	1.0		0.0	0.2	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
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.1	0.0		0.0	0.9	0.0	0.0	0.0	0.0
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0	0.1		0.0	0.3	0.0	0.0	0.0	0.0
% student health care	0.0	0.0	0.0	0.0	0.1		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
% 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	0.0
% nonindividuals	83.1	99.6	99.4	99.0	96.3		100.0	97.8	100.0	100.0	99.5	100.0
% agencies	2.6	0.0	0.6	0.8	0.8		0.0	0.5	0.4	0.0	0.0	0.0
% ambulatory health care facilities	1.3	0.0	1.1	0.5	4.7		0.0	23.5	0.8	0.0	0.0	0.7
% hospital units	5.2	7.5	8.6	5.5	3.2		3.1	1.3	6.5	4.3	0.2	0.0
% hospitals	74.0	90.8	88.6	52.6	86.7		96.9	53.5	92.3	95.2	98.4	90.0
% laboratories	0.0	0.0	0.0	0.0	0.1		0.0	0.0	0.0	0.0	0.2	0.0
% managed care organizations	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% nursing and custodial care facilities	0.0	0.4	0.6	35.4	0.0		0.0	18.6	0.0	0.0	0.0	2.2
% residential treatment facilities	0.0	0.8	0.0	3.4	0.3		0.0	0.0	0.0	0.0	0.0	6.3
% respite care facility	0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% suppliers	0.0	0.0	0.0	0.8	0.3		0.0	0.1	0.0	0.5	0.5	0.7
% transportation services	0.0	0.0	0.0	0.0	0.4		0.0	0.4	0.0	0.0	0.2	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

2010 MAX IP Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	9	0	0	6	20		0	1	0	0	0	0
% a sole proprietorship	22.2	0.0	0.0	66.7	25.0		0.0	100.0	0.0	0.0	0.0	0.0
% not a sole proprietorship	77.8	0.0	0.0	33.3	70.0		0.0	0.0	0.0	0.0	0.0	0.0
% not answered	0.0	0.0	0.0	0.0	5.0		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	69	242	361	1,605	778		194	1,340	495	415	442	280
% organization is a subpart	14.5	12.4	8.9	20.2	9.1		8.8	9.3	11.3	6.3	9.5	12.1
% organization is not a subpart	72.5	76.0	82.8	68.4	79.7		79.4	77.2	84.2	85.8	82.1	75.0
% not answered	13.0	11.6	8.3	11.3	11.2		11.9	13.5	4.4	8.0	8.4	12.9

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
LT Providers													
Number of provider IDs	523	79	286	641	3,007	453	793	65	236	1,543	789	64	
% billing provider on LT claim	50.7	100.0	50.0	51.6	100.0	50.6	51.1	100.0	57.6	50.2	98.4	51.6	
% NPI billing provider on LT claim	49.3	98.7	50.0	48.4	48.1	49.4	48.9	98.5	42.4	49.8	54.4	48.4	
% also a provider on IP claim	0.8	15.2	2.1	0.8	2.9	0.9	0.5	1.5	0.4	34.0	5.7	87.5	
% also a provider on OT claim	48.2	24.1	51.4	9.0	56.8	7.1	1.4	73.8	58.9	84.8	6.7	73.4	
% also a provider on RX claim	0.0	0.0	1.0	0.0	1.4	0.0	0.4	0.0	3.4	0.1	2.2	15.6	
% provider IDs with NPI	100.0	98.7	100.0	99.7	48.8	100.0	99.9	98.5	98.3	99.9	99.7	95.3	
% provider IDs linked to NPPES	100.0	93.7	100.0	99.7	24.5	100.0	99.9	95.4	98.3	99.5	99.7	95.3	
% 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	
average number of LT claims	1124.2	205.6	1001.4	2,500.7	1,064.6	2,456.1	751.8	764.5	385.6	901.2	1,933.7	37.1	
average number of beneficiaries with LT claims	114.1	31.3	137.5	97.5	55.1	74.8	87.5	80.1	46.7	98.4	106.4	9.3	
Provider IDs with NPI													
Number of provider IDs with NPI	523	78	286	639	1,467	453	792	64	232	1,541	787	61	
% NPI source = MSIS	100.0	100.0	100.0	99.7	98.6	100.0	98.4	100.0	99.6	99.5	100.0	100.0	
% NPI source = NPPES	0.0	0.0	0.0	0.3	1.4	0.0	1.6	0.0	0.4	0.4	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	0.1	0.0	0.0	
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	523	74	286	639	736	453	792	62	232	1,535	787	61	
% linked via NPI	100.0	100.0	100.0	99.7	97.1	100.0	98.4	100.0	99.6	99.6	100.0	100.0	
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	0.3	2.7	0.0	1.6	0.0	0.4	0.4	0.0	0.0	
% 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	
% with name prefix	0.0	0.0	0.0	0.0	0.1	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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% with middle name	0.0	0.0	0.0	0.0	0.3	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	0.4	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	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% female	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	
% with business name	98.5	100.0	100.0	100.0	99.6	99.6	100.0	100.0	100.0	100.0	99.9	100.0	
% with address line 1	98.5	100.0	100.0	100.0	100.0	99.6	100.0	100.0	100.0	100.0	99.9	100.0	
% with city	98.5	100.0	100.0	100.0	100.0	99.6	100.0	100.0	100.0	100.0	99.9	100.0	
% with state	98.5	100.0	100.0	100.0	100.0	99.6	100.0	100.0	100.0	100.0	99.9	100.0	
% state = LT state code	98.5	50.0	93.0	97.2	99.3	98.5	94.7	77.4	67.7	99.6	98.5	100.0	
% with zip code	98.5	100.0	100.0	100.0	100.0	99.6	100.0	100.0	100.0	100.0	99.9	100.0	
% with primary taxonomy	97.1	97.3	97.2	98.7	99.5	98.7	98.0	95.2	99.1	99.1	99.9	100.0	
% with provider entity type = individual	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% with provider entity type = organization	98.5	100.0	100.0	100.0	99.6	99.6	100.0	100.0	100.0	100.0	99.9	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	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	508	72	278	631	732	447	776	59	230	1,521	786	61	
% individual or group of individuals	0.0	2.8	0.0	1.0	0.5	0.0	0.0	1.7	0.0	0.0	0.0	6.6	
% allopathic and osteopathic physicians	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3	
% behavioral health and social service providers	0.0	2.8	0.0	0.3	0.0	0.0	0.0	1.7	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	0.0	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	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	
% 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	0.0	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	0.1	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	
% 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	0.0	0.0	0.0	
% nonindividuals	100.0	97.2	100.0	99.0	99.5	100.0	100.0	98.3	100.0	100.0	100.0	93.4	
% agencies	0.8	0.0	0.0	0.6	0.4	0.9	1.5	0.0	2.6	0.4	0.0	0.0	
% ambulatory health care facilities	0.0	1.4	0.0	0.6	0.4	0.0	0.0	1.7	0.0	0.0	0.0	0.0	
% hospital units	1.2	5.6	0.7	0.0	1.4	3.1	0.5	0.0	0.0	0.3	2.2	0.0	
% hospitals	5.1	27.8	8.6	5.2	3.7	2.7	6.8	6.8	6.1	0.7	4.2	41.0	
% 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	
% 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	86.8	30.6	88.5	85.9	75.3	92.2	90.9	78.0	60.4	95.3	92.7	45.9	
% residential treatment facilities	6.1	31.9	2.2	6.7	18.0	1.1	0.3	11.9	30.9	3.4	0.8	6.6	
% 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	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
% transportation services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	3	0	0	0	0	0	0	0	
% a sole proprietorship	0.0	0.0	0.0	0.0	66.7	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	33.3	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	515	74	286	639	733	451	792	62	232	1,535	786	61	
% organization is a subpart	12.8	13.5	13.3	5.0	7.0	12.9	8.6	8.1	3.0	15.8	9.4	6.6	
% organization is not a subpart	64.9	59.5	69.9	64.2	50.5	66.7	51.8	67.7	62.1	68.3	74.8	67.2	
% not answered	22.3	27.0	16.8	30.8	42.6	20.4	39.6	24.2	34.9	15.9	15.8	26.2	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
LT Providers													
Number of provider IDs	2,296	2,033	1,390		775	1,925		486	1,040	1,325	1,644	521	1,077
% billing provider on LT claim	42.1	53.5	51.2		51.2	47.3		47.5	50.5	61.0	51.2	49.7	49.1
% NPI billing provider on LT claim	57.9	46.5	48.8		48.8	52.7		52.5	49.5	43.0	48.8	50.3	50.9
% also a provider on IP claim	0.5	3.5	0.3		0.4	0.9		4.3	0.1	24.0	10.0	9.8	0.0
% also a provider on OT claim	50.0	7.0	41.2		3.5	0.4		39.3	88.7	33.7	70.7	17.3	1.8
% also a provider on RX claim	0.7	0.4	0.1		0.1	0.1		2.5	1.5	9.7	1.5	1.2	0.0
% provider IDs with NPI	66.5	100.0	100.0		99.9	54.2		98.1	100.0	90.0	96.6	98.8	98.1
% provider IDs linked to NPPES	66.5	100.0	100.0		99.9	48.3		98.1	100.0	89.7	95.4	98.8	98.1
% 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
average number of LT claims	851.1	818.4	260.8		1,019.3	422.1		967.3	832.8	607.7	636.8	1,034.4	1,140.6
average number of beneficiaries with LT claims	99.9	50.1	31.6		137.2	71.3		121.0	113.3	91.8	42.5	109.3	78.2
Provider IDs with NPI													
Number of provider IDs with NPI	1,527	2,033	1,390		774	1,044		477	1,040	1,192	1,588	515	1,057
% NPI source = MSIS	100.0	99.4	100.0		100.0	99.9		99.8	100.0	98.3	98.4	99.8	96.8
% NPI source = NPPES	0.0	0.3	0.0		0.0	0.1		0.2	0.0	1.7	1.6	0.2	3.2
% NPI source = state cross-reference file	0.0	0.3	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	1,527	2,033	1,390		774	930		477	1,040	1,189	1,568	515	1,057
% linked via NPI	100.0	99.7	100.0		100.0	99.9		99.8	100.0	98.3	98.4	99.8	96.8
% linked via Medicaid legacy provider ID	0.0	0.3	0.0		0.0	0.0		0.2	0.0	1.7	1.6	0.2	3.2
% 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
% with name prefix	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	0.0	0.0	0.0
% with first name	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	0.0	0.0	0.0
% with middle name	0.0	0.0	0.0		0.0	0.1		0.0	0.0	0.1	0.0	0.0	0.0
% with last name	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	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
% male	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	0.0	0.0	0.0
% female	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% with credential	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	0.0	0.0	0.0
% with business name	100.0	100.0	99.9		99.7	99.7		100.0	100.0	99.7	100.0	100.0	99.9
% with address line 1	100.0	100.0	99.9		99.7	99.9		100.0	100.0	99.8	100.0	100.0	99.9
% with city	100.0	100.0	99.9		99.7	99.9		100.0	100.0	99.8	100.0	100.0	99.9
% with state	100.0	100.0	99.9		99.7	99.9		100.0	100.0	99.8	100.0	100.0	99.9
% state = LT state code	98.4	99.6	95.0		99.1	99.6		97.1	93.7	96.2	94.6	96.1	99.3
% with zip code	100.0	100.0	99.9		99.7	99.9		100.0	100.0	99.8	100.0	100.0	99.9
% with primary taxonomy	97.4	98.5	98.1		99.2	99.6		97.1	99.2	97.8	97.9	100.0	99.5
% with provider entity type = individual	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	0.0	0.0	0.0
% with provider entity type = organization	100.0	100.0	99.9		99.7	99.7		100.0	100.0	99.7	100.0	100.0	99.9

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	0	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	1,488	2,002	1,364		768	926		463	1,032	1,163	1,535	515	1,052
% individual or group of individuals	0.0	0.2	0.4		0.4	0.3		0.2	0.0	2.2	0.6	0.0	0.0
% allopathic and osteopathic physicians	0.0	0.1	0.0		0.4	0.1		0.0	0.0	1.3	0.0	0.0	0.0
% behavioral health and social service providers	0.0	0.0	0.1		0.0	0.1		0.2	0.0	0.9	0.5	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
% dental providers	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
% emergency medical service providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.1	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
% nursing service providers	0.0	0.0	0.2		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	0.0	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
% 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
% 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	0.0
% 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
% 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
% speech, language, and hearing service providers	0.0	0.1	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
% 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
% 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	0.0
% nonindividuals	100.0	99.8	99.6		99.6	99.7		99.8	100.0	97.8	99.4	100.0	100.0
% agencies	3.2	3.2	0.4		0.3	4.8		0.0	0.2	1.6	2.2	0.0	0.3
% ambulatory health care facilities	0.2	0.5	0.2		0.0	0.0		0.0	0.2	1.4	0.1	0.4	0.0
% hospital units	1.9	0.4	6.7		13.9	4.0		0.2	0.8	2.2	5.2	8.2	0.0
% hospitals	2.4	2.4	5.1		5.1	6.0		3.2	12.7	13.6	12.6	5.6	0.8
% laboratories	0.0	0.0	0.0		0.3	0.0		0.0	0.2	0.0	0.0	0.0	0.0
% managed care organizations	0.3	0.0	0.0		0.0	0.0		0.2	0.0	0.0	0.0	0.4	0.0
% nursing and custodial care facilities	81.0	73.4	82.4		74.2	64.7		90.7	84.6	78.2	76.4	80.0	98.6
% residential treatment facilities	11.0	19.8	4.8		5.6	20.1		5.0	1.4	0.0	2.3	5.0	0.4
% respite care facility	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.1	0.0	0.0
% suppliers	0.1	0.0	0.0		0.3	0.1		0.4	0.0	0.8	0.5	0.4	0.0
% transportation services	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	2		0	0	1	0	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	0.0
% not a sole proprietorship	0.0	0.0	0.0		0.0	50.0		0.0	0.0	100.0	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
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,527	2,033	1,388		772	927		477	1,040	1,186	1,568	515	1,056
% organization is a subpart	11.6	6.0	12.2		20.6	8.7		7.3	7.3	14.1	16.2	21.2	7.5
% organization is not a subpart	48.3	55.2	62.3		62.0	49.2		70.2	64.3	66.6	48.0	57.5	74.5
% not answered	40.1	38.8	25.5		17.4	42.1		22.4	28.4	19.3	35.8	21.4	18.0

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
LT Providers													
Number of provider IDs	262	362	239	200		478	3,345	1,770		2,825	889	348	1,843
% billing provider on LT claim	50.0	100.0	49.8	52.0		61.1	50.3	54.2		49.8	50.1	55.5	53.5
% NPI billing provider on LT claim	50.0	0.0	50.2	48.0		38.9	49.7	45.8		50.2	49.9	44.5	46.5
% also a provider on IP claim	4.2	18.0	7.1	11.0		12.8	17.4	0.1		5.7	1.6	8.0	0.1
% also a provider on OT claim	28.6	71.5	7.5	9.5		50.2	41.8	46.0		5.3	5.6	11.5	30.8
% also a provider on RX claim	0.8	1.7	1.3	0.0		0.6	2.2	0.2		0.0	0.0	4.3	0.1
% provider IDs with NPI	100.0	11.9	99.2	98.5		99.8	94.7	100.0		97.1	99.7	95.1	99.9
% provider IDs linked to NPPES	100.0	11.9	99.2	1.5		99.8	94.7	100.0		30.5	99.7	95.1	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		0.0	0.0	0.0	0.0
average number of LT claims	455.3	301.0	627.9	843.6		473.6	6,663.0	1,158.5		530.5	1,422.4	577.0	1678.1
average number of beneficiaries with LT claims	42.8	36.2	67.4	69.7		41.2	100.6	63.2		69.3	67.6	69.8	98.9
Provider IDs with NPI													
Number of provider IDs with NPI	262	43	237	197		477	3,169	1,770		2,742	886	331	1,842
% NPI source = MSIS	100.0	0.0	100.0	98.5		100.0	96.3	100.0		85.0	99.9	95.5	100.0
% NPI source = NPPES	0.0	100.0	0.0	1.5		0.0	3.7	0.0		15.0	0.1	4.5	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
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	262	43	237	3		477	3,169	1,770		863	886	331	1,842
% linked via NPI	100.0	0.0	100.0	0.0		100.0	96.3	100.0		52.5	99.9	95.5	100.0
% linked via Medicaid legacy provider ID	0.0	97.7	0.0	100.0		0.0	3.7	0.0		47.5	0.1	3.6	0.0
% linked via Medicare UPIN	0.0	2.3	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.9	0.0
% with name prefix	0.0	2.3	0.0	0.0		0.0	1.0	0.0		0.0	0.0	0.3	0.0
% with first name	0.0	11.6	0.0	0.0		0.0	1.7	0.1		0.0	0.0	0.6	0.0
% with middle name	0.0	4.7	0.0	0.0		0.0	1.3	0.0		0.0	0.0	0.6	0.0
% with last name	0.0	11.6	0.0	0.0		0.0	1.7	0.1		0.0	0.0	0.6	0.0
% with name suffix	0.0	2.3	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0
% male	0.0	2.3	0.0	0.0		0.0	0.9	0.0		0.0	0.0	0.3	0.0
% female	0.0	9.3	0.0	0.0		0.0	0.8	0.1		0.0	0.0	0.3	0.0
% with credential	0.0	9.3	0.0	0.0		0.0	1.6	0.0		0.0	0.0	0.6	0.0
% with business name	100.0	88.4	100.0	100.0		100.0	98.3	99.9		100.0	99.8	99.4	100.0
% with address line 1	100.0	100.0	100.0	100.0		100.0	99.9	100.0		100.0	99.8	100.0	100.0
% with city	100.0	100.0	100.0	100.0		100.0	99.9	100.0		100.0	99.8	100.0	100.0
% with state	100.0	100.0	100.0	100.0		100.0	99.9	100.0		100.0	99.8	100.0	100.0
% state = LT state code	91.6	100.0	56.1	100.0		81.8	95.2	97.5		100.0	96.4	98.8	99.5
% with zip code	100.0	100.0	100.0	100.0		100.0	99.9	100.0		100.0	99.8	100.0	100.0
% with primary taxonomy	97.7	95.3	95.8	100.0		97.3	99.4	97.7		98.1	97.3	95.2	92.4
% with provider entity type = individual	0.0	11.6	0.0	0.0		0.0	1.7	0.1		0.0	0.0	0.6	0.0
% with provider entity type = organization	100.0	88.4	100.0	100.0		100.0	98.3	99.9		100.0	99.8	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		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	256	41	227	3		464	3,150	1,729		847	862	315	1,702
% individual or group of individuals	0.0	9.8	0.0	0.0		1.7	2.0	0.3		0.0	0.2	0.6	0.4
% allopathic and osteopathic physicians	0.0	0.0	0.0	0.0		0.4	1.5	0.0		0.0	0.2	0.6	0.0
% behavioral health and social service providers	0.0	4.9	0.0	0.0		1.3	0.1	0.1		0.0	0.0	0.0	0.4
% chiropractic providers	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
% 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
% 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
% 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
% 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
% nursing service-related providers	0.0	0.0	0.0	0.0		0.0	0.1	0.2		0.0	0.0	0.0	0.0
% other service providers	0.0	2.4	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
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	0.0		0.0	0.2	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
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	2.4	0.0	0.0		0.0	0.1	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
% 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
% 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
% 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	0.0
% nonindividuals	100.0	90.2	100.0	100.0		98.3	98.0	99.7		100.0	99.8	99.4	99.6
% agencies	0.0	0.0	0.0	0.0		4.7	2.8	0.2		0.4	0.0	0.0	0.6
% ambulatory health care facilities	0.8	0.0	0.9	0.0		0.6	2.0	0.0		0.0	0.0	0.6	0.9
% hospital units	13.3	0.0	0.0	0.0		5.4	4.7	1.4		0.0	0.5	2.5	8.6
% hospitals	16.4	0.0	13.7	33.3		12.3	7.2	1.6		0.6	4.4	3.5	4.2
% laboratories	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	0.5	0.0		0.0	0.0	1.3	0.0
% nursing and custodial care facilities	62.5	82.9	59.9	66.7		62.5	75.9	82.5		98.6	89.6	84.8	80.7
% residential treatment facilities	7.0	7.3	25.6	0.0		12.7	4.6	14.0		0.5	5.3	6.7	4.6
% respite care facility	0.0	0.0	0.0	0.0		0.0	0.1	0.0		0.0	0.0	0.0	0.0
% suppliers	0.0	0.0	0.0	0.0		0.0	0.2	0.0		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	0.0	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

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	53	2		0	0	2	0
% a sole proprietorship	0.0	20.0	0.0	0.0		0.0	22.6	100.0		0.0	0.0	0.0	0.0
% not a sole proprietorship	0.0	80.0	0.0	0.0		0.0	75.5	0.0		0.0	0.0	100.0	0.0
% not answered	0.0	0.0	0.0	0.0		0.0	1.9	0.0		0.0	0.0	0.0	0.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	262	38	237	3		477	3,114	1,768		863	884	329	1,842
% organization is a subpart	20.6	10.5	10.1	33.3		19.9	11.0	6.0		10.9	6.8	16.7	10.5
% organization is not a subpart	59.5	39.5	66.7	66.7		51.4	56.3	65.1		69.6	60.0	55.6	57.1
% not answered	19.8	50.0	23.2	0.0		28.7	32.6	28.9		19.5	33.3	27.7	32.4

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
LT Providers												
Number of provider IDs	310	287	325	962	1,930		140	378	552	483	421	176
% billing provider on LT claim	100.0	100.0	52.0	50.2	99.6		50.0	100.0	51.3	49.9	100.0	50.6
% NPI billing provider on LT claim	94.8	10.8	48.0	49.8	99.1		50.0	100.0	48.9	50.1	98.8	49.4
% also a provider on IP claim	0.0	2.8	0.6	73.6	0.9		15.7	71.7	4.3	1.4	0.0	22.2
% also a provider on OT claim	3.5	1.7	8.3	69.5	51.7		9.3	14.3	41.1	2.1	94.3	23.3
% also a provider on RX claim	0.3	1.0	0.0	0.3	0.0		0.0	4.2	1.8	0.8	1.0	1.1
% provider IDs with NPI	97.7	80.1	100.0	94.4	99.4		99.3	100.0	55.8	99.8	98.8	100.0
% provider IDs linked to NPPES	97.7	80.1	100.0	94.4	98.8		99.3	100.0	55.8	99.6	98.8	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
average number of LT claims	293.2	590.7	345.2	806.2	1818.4		734.4	1,144.3	1,314.6	536.9	648.2	388.9
average number of beneficiaries with LT claims	34.9	70.4	42.9	77.5	70.0		58.7	84.6	102.0	65.6	82.9	36.1
Provider IDs with NPI												
Number of provider IDs with NPI	303	230	325	908	1,918		139	378	308	482	416	176
% NPI source = MSIS	97.0	13.5	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
% NPI source = NPPES	3.0	86.5	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
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	303	230	325	908	1,907		139	378	308	481	416	176
% linked via NPI	97.0	13.5	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
% linked via Medicaid legacy provider ID	3.0	86.5	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
% 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
% with first name	0.3	0.0	0.0	0.1	0.1		0.0	0.0	0.0	0.0	0.0	0.0
% with middle name	0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% with last name	0.3	0.0	0.0	0.1	0.1		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
% male	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% female	0.3	0.0	0.0	0.1	0.1		0.0	0.0	0.0	0.0	0.0	0.0
% with credential	0.3	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% with business name	99.7	100.0	99.4	99.9	99.9		100.0	99.7	100.0	100.0	100.0	100.0
% with address line 1	100.0	100.0	99.4	100.0	100.0		100.0	99.7	100.0	100.0	100.0	100.0
% with city	100.0	100.0	99.4	100.0	100.0		100.0	99.7	100.0	100.0	100.0	100.0
% with state	100.0	100.0	99.4	100.0	100.0		100.0	99.7	100.0	100.0	100.0	100.0
% state = LT state code	98.3	99.1	95.7	97.9	99.7		74.8	95.8	92.2	84.6	98.6	69.3
% with zip code	100.0	100.0	99.4	100.0	100.0		100.0	99.7	100.0	100.0	100.0	100.0
% with primary taxonomy	98.0	100.0	95.4	97.7	98.5		97.1	96.6	98.1	99.2	99.3	93.2
% with provider entity type = individual	0.3	0.0	0.0	0.1	0.1		0.0	0.0	0.0	0.0	0.0	0.0
% with provider entity type = organization	99.7	100.0	99.4	99.9	99.9		100.0	99.7	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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	297	230	310	887	1,878		135	365	302	477	413	164
% individual or group of individuals	0.7	0.0	0.6	0.7	0.2		0.0	0.0	0.0	0.4	0.0	0.0
% allopathic and osteopathic physicians	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.4	0.0	0.0
% behavioral health and social service providers	0.0	0.0	0.0	0.7	0.1		0.0	0.0	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
% dental providers	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
% 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
% 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
% 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
% nursing service-related providers	0.0	0.0	0.6	0.0	0.0		0.0	0.0	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
% 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
% physician assistants and advanced practice nursing providers	0.3	0.0	0.0	0.0	0.1		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
% 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
% speech, language, and hearing service providers	0.3	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
% 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
% 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	0.0
% nonindividuals	99.3	100.0	99.4	99.3	99.8		100.0	100.0	100.0	99.6	100.0	100.0
% agencies	2.0	0.0	1.0	0.5	1.5		0.0	0.8	0.0	0.4	0.2	0.0
% ambulatory health care facilities	0.0	0.0	0.0	0.3	0.1		0.0	0.0	0.0	0.0	0.2	0.0
% hospital units	0.0	0.9	11.6	3.5	1.4		6.7	6.3	9.6	6.3	0.0	14.6
% hospitals	1.3	7.0	11.3	7.2	2.7		14.1	9.6	7.6	8.4	2.4	13.4
% laboratories	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
% nursing and custodial care facilities	46.1	85.7	74.2	82.4	87.1		77.8	80.5	82.5	75.7	96.9	51.2
% residential treatment facilities	48.8	6.5	1.3	4.8	7.0		1.5	2.7	0.3	8.8	0.2	20.7
% 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
% suppliers	1.0	0.0	0.0	0.6	0.0		0.0	0.0	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	0.0	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

2010 MAX LT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	1	1		0	0	0	0	0	0
% a sole proprietorship	100.0	0.0	0.0	100.0	100.0		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	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
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	302	230	323	907	1,906		139	377	308	481	416	176
% organization is a subpart	3.0	9.6	25.4	31.1	4.4		7.2	14.1	18.2	6.2	11.3	20.5
% organization is not a subpart	26.5	44.3	43.7	46.6	64.3		61.2	59.9	67.2	60.5	52.9	60.2
% not answered	70.5	46.1	31.0	22.3	31.3		31.7	26.0	14.6	33.3	35.8	19.3

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
OT Providers													
Number of provider IDs	47,397	15,008	52,151	44,992	763,626	43,901	48,371	8,291	8,832	138,141	108,833	12,420	
% billing provider on OT claim	6.8	9.5	51.5	23.1	81.8	11.7	24.0	15.3	43.5	38.1	35.7	48.9	
% servicing provider on OT claim	61.3	51.9	54.4	57.1	97.6	47.3	56.1	98.1	54.7	54.5	67.8	56.2	
% NPI servicing provider on OT claim	38.7	48.1	45.6	42.9	78.1	52.7	43.9	82.2	45.3	45.5	32.2	43.8	
% also a provider on IP claim	0.6	0.0	1.3	0.3	0.3	0.3	0.6	0.1	1.4	2.1	0.9	1.6	
% also a provider on LT claim	0.1	0.0	0.3	0.0	0.2	0.1	0.0	0.2	0.6	0.9	0.0	0.4	
% also a provider on RX claim	1.2	18.8	28.6	15.8	14.1	59.4	25.4	43.7	29.8	25.7	18.5	5.5	
% provider IDs with NPI	100.0	91.1	91.6	72.7	87.3	97.4	88.0	82.5	71.2	93.0	98.3	68.2	
% provider IDs linked to NPPES	99.9	89.3	91.6	72.7	9.6	97.2	87.5	81.6	71.1	92.8	98.3	68.2	
% 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	0.4	0.0	0.0	
average number of OT claims	1251.0	620.3	1244.6	1,539.7	399.1	1,233.9	1,191.8	1,668.6	1691.0	1,714.3	942.4	1167.3	
average number of beneficiaries with OT claims	226.9	109.1	230.4	218.6	62.2	193.4	158.4	205.3	202.5	263.2	207.7	203.3	
Provider IDs with NPI													
Number of provider IDs with NPI	47,392	13,671	47,790	32,723	666,401	42,740	42,543	6,843	6,292	128,537	107,013	8,475	
% NPI source = MSIS	100.0	96.3	98.8	93.3	99.1	97.3	99.7	99.7	94.3	98.6	99.7	97.1	
% NPI source = NPPES	0.0	3.7	1.2	6.7	0.9	2.7	0.3	0.3	5.7	1.3	0.3	2.9	
% 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	
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	47,370	13,405	47,788	32,707	73,286	42,652	42,327	6,768	6,280	128,262	107,002	8,475	
% linked via NPI	100.0	96.2	98.8	93.3	92.0	97.3	99.7	99.7	94.3	98.7	99.7	97.1	
% linked via Medicaid legacy provider ID	0.0	3.8	1.1	5.5	1.6	2.7	0.3	0.3	5.7	1.3	0.3	2.4	
% linked via Medicare UPIN	0.0	0.0	0.1	1.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	
% with name prefix	39.5	31.8	35.2	38.3	10.5	34.5	36.2	35.2	26.6	38.1	38.3	41.0	
% with first name	86.8	92.6	83.7	86.0	19.4	85.0	80.4	90.1	59.5	78.3	84.5	65.6	
% with middle name	73.5	71.3	62.2	62.0	14.1	62.8	53.5	58.1	38.2	56.2	66.9	52.1	
% with last name	86.8	92.6	83.7	86.0	19.4	85.0	80.4	90.1	59.5	78.3	84.5	65.6	
% with name suffix	7.3	2.1	1.5	3.3	0.5	1.5	1.6	2.3	1.7	2.2	4.9	1.6	
% male	61.2	48.3	51.0	44.9	14.0	46.3	48.2	47.6	35.5	47.3	53.7	41.1	
% female	25.6	44.2	32.7	41.0	5.4	38.7	32.1	42.5	24.0	31.0	30.7	24.4	
% with credential	85.3	78.4	80.0	77.3	18.4	81.5	77.7	79.2	55.3	74.6	82.1	63.7	
% with business name	12.9	7.1	15.9	13.6	80.4	14.7	19.3	9.6	40.1	21.1	15.2	33.9	
% with address line 1	99.6	99.7	99.6	99.5	99.8	99.7	99.6	99.7	99.6	99.4	99.7	99.4	
% with city	99.6	99.7	99.6	99.5	99.8	99.7	99.6	99.7	99.6	99.4	99.7	99.4	
% with state	99.6	99.7	99.6	99.5	99.8	99.7	99.6	99.7	99.6	99.4	99.7	99.4	
% state = OT state code	77.8	60.4	79.3	77.7	88.4	87.4	71.1	66.2	55.5	91.4	83.9	88.4	
% with zip code	99.6	99.7	99.6	99.5	99.8	99.7	99.6	99.7	99.6	99.4	99.7	99.4	
% with primary taxonomy	97.7	98.0	98.3	98.6	97.6	98.8	97.3	98.6	97.6	98.3	98.2	96.6	
% with provider entity type = individual	86.8	92.6	83.7	86.0	19.4	85.0	80.4	90.1	59.5	78.3	84.5	65.6	
% with provider entity type = organization	12.9	7.1	15.9	13.6	80.4	14.7	19.3	9.6	40.1	21.1	15.2	33.9	

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	569	0	0	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	46,266	13,136	46,967	32,250	71,526	42,147	41,196	6,671	6,128	126,112	105,096	8,187	
% individual or group of individuals	88.6	93.9	86.8	89.5	54.7	89.5	87.5	91.7	75.2	84.0	86.4	81.1	
% allopathic and osteopathic physicians	62.2	51.1	58.5	42.2	36.7	56.1	61.1	54.4	63.5	52.4	57.2	47.6	
% behavioral health and social service providers	0.9	3.9	2.2	7.9	0.9	4.1	5.0	6.6	0.4	3.2	2.8	10.6	
% chiropractic providers	0.0	1.8	0.2	0.9	0.4	0.1	0.7	0.1	0.0	1.4	0.2	0.0	
% dental providers	3.7	5.6	0.2	0.5	8.6	4.4	4.4	3.4	3.2	1.8	3.3	3.6	
% dietary and nutritional service providers	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	
% emergency medical service providers	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% eye and vision service providers	2.3	2.0	1.3	2.6	1.8	1.6	1.7	1.0	0.4	2.0	1.4	4.0	
% nursing service providers	0.1	2.2	0.5	1.2	0.4	1.8	0.1	4.7	0.1	0.7	0.2	0.3	
% nursing service-related providers	0.0	0.4	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	
% other service providers	3.7	6.3	3.3	9.7	3.4	3.1	2.2	1.8	2.7	4.2	3.2	4.8	
% pharmacy service providers	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	
% physician assistants and advanced practice nursing providers	12.5	12.7	10.3	6.6	0.3	12.6	9.0	9.2	2.5	10.6	13.0	3.2	
% podiatric medicine and surgery service providers	0.4	0.3	1.1	0.6	0.6	0.8	0.9	1.1	1.6	1.3	0.8	0.7	
% respiratory, developmental, rehabilitative, and restorative service providers	1.4	5.1	5.3	8.0	0.5	2.3	1.7	5.2	0.0	3.0	2.2	5.4	
% speech, language, and hearing service providers	0.7	1.7	3.0	8.2	0.9	2.0	0.3	2.9	0.2	3.1	1.8	0.3	
% student health care	0.5	0.3	0.2	0.3	0.0	0.5	0.3	0.8	0.5	0.1	0.1	0.1	
% technologists, technicians, and other technical service providers	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	
% 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	0.0	0.0	
% nonindividuals	11.4	6.1	13.2	10.5	45.3	10.5	12.5	8.3	24.8	16.0	13.6	18.9	
% agencies	2.2	1.3	2.1	1.9	6.1	1.4	1.3	0.5	2.9	2.1	4.0	2.7	
% ambulatory health care facilities	1.0	0.9	2.4	1.6	10.1	1.4	1.6	1.6	4.4	2.0	1.8	4.3	
% hospital units	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	
% hospitals	1.4	0.3	3.1	0.6	13.3	0.6	3.1	0.3	5.5	2.6	2.0	3.6	
% laboratories	0.8	0.6	0.5	0.5	5.4	0.4	0.8	0.3	1.3	0.4	0.3	0.5	
% managed care organizations	0.0	0.0	0.1	0.0	2.3	0.1	0.0	0.0	0.2	0.1	0.0	1.0	
% nursing and custodial care facilities	0.1	0.8	0.9	0.1	0.4	0.6	0.1	0.1	0.6	2.1	0.2	0.8	
% residential treatment facilities	0.4	0.4	0.9	0.0	0.1	0.3	0.1	0.2	1.7	0.1	0.5	0.0	
% respite care facility	0.0	0.1	0.7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
% suppliers	4.9	1.2	1.5	4.9	5.6	4.8	4.2	4.2	7.8	6.2	4.2	5.5	
% transportation services	0.8	0.6	1.0	0.7	2.1	0.7	1.3	1.0	0.3	0.4	0.4	0.4	
% 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	

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	41,102	12,408	39,993	28,120	14,224	36,234	34,017	6,098	3,737	100,460	90,372	5,556	
% a sole proprietorship	15.9	18.8	19.7	22.8	44.0	15.0	16.3	14.5	26.4	25.0	18.8	37.5	
% not a sole proprietorship	76.6	77.2	73.8	71.0	49.7	80.1	75.6	79.5	67.2	67.9	74.5	55.7	
% not answered	7.5	4.0	6.5	6.2	6.3	4.8	8.1	6.0	6.4	7.1	6.7	6.7	
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	6,098	953	7,580	4,435	58,895	6,270	8,154	650	2,517	27,011	16,256	2,872	
% organization is a subpart	13.5	9.5	11.0	16.2	12.6	14.1	7.8	14.5	6.2	13.2	11.5	7.8	
% organization is not a subpart	60.9	67.4	71.5	70.3	68.1	66.2	73.3	66.6	80.4	73.9	69.9	71.0	
% not answered	25.6	23.1	17.5	13.5	19.2	19.8	18.9	18.9	13.4	12.9	18.5	21.2	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
OT Providers													
Number of provider IDs	147,362	56,753	64,366		56,341	44,464		92,158	62,596	198,167	118,305	30,680	59,506
% billing provider on OT claim	0.0	12.2	23.6		24.7	23.8		14.2	1.4	61.9	20.6	15.0	6.0
% servicing provider on OT claim	65.1	49.7	57.8		78.6	47.4		68.3	49.5	94.1	22.0	49.0	80.2
% NPI servicing provider on OT claim	34.9	50.3	43.7		46.8	52.6		31.7	50.5	17.5	78.0	51.0	19.8
% also a provider on IP claim	0.4	1.0	0.3		0.4	1.2		0.4	0.5	0.6	0.5	1.0	0.7
% also a provider on LT claim	0.5	0.2	0.2		0.0	0.0		0.2	0.8	0.2	0.8	0.3	0.0
% also a provider on RX claim	23.0	31.8	18.1		25.9	24.6		13.6	2.2	18.2	14.8	28.1	17.4
% provider IDs with NPI	69.7	97.5	97.4		90.3	91.7		62.3	99.1	36.2	92.2	99.6	82.7
% provider IDs linked to NPPES	69.7	96.0	81.1		90.3	88.4		51.0	99.1	36.1	48.4	99.4	52.9
% provider IDs with or without NPI but linked to state provider file	0.0	1.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
average number of OT claims	1052.6	1,207.3	612.8		1,261.8	2163.4		663.7	1890.1	886.3	1041.1	1,607.7	1,142.8
average number of beneficiaries with OT claims	227.7	203.5	104.2		282.4	380.1		85.5	232.5	137.1	114.3	307.0	163.3
Provider IDs with NPI													
Number of provider IDs with NPI	102,704	55,321	62,704		50,887	40,763		57,418	62,058	71,720	109,049	30,556	49,222
% NPI source = MSIS	99.9	83.6	99.1		99.6	100.0		99.1	100.0	89.4	96.4	99.9	94.6
% NPI source = NPPES	0.1	6.5	0.9		0.4	0.0		0.9	0.0	10.6	3.6	0.1	5.4
% NPI source = state cross-reference file	0.0	9.9	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	102,693	54,491	52,197		50,887	39,327		46,956	62,034	71,445	57,306	30,496	31,466
% linked via NPI	99.9	93.4	98.9		99.6	100.0		99.0	100.0	89.3	93.2	99.9	91.5
% linked via Medicaid legacy provider ID	0.1	6.6	1.1		0.4	0.0		1.0	0.0	10.6	6.8	0.1	8.5
% 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
% with name prefix	38.5	32.5	28.9		33.8	34.4		37.4	39.9	23.3	22.7	40.4	11.4
% with first name	81.5	80.3	78.0		81.7	70.7		76.6	88.8	48.1	69.4	82.7	19.9
% with middle name	55.7	62.7	65.6		63.9	57.5		52.8	64.6	37.0	58.1	66.0	16.6
% with last name	81.5	80.3	78.0		81.7	70.7		76.6	88.8	48.1	69.4	82.7	19.9
% with name suffix	1.5	2.1	1.4		3.2	5.3		2.0	1.8	1.1	0.9	6.3	0.7
% male	51.4	52.8	52.7		53.5	45.1		44.5	51.6	31.0	37.6	54.0	12.7
% female	30.2	27.5	25.3		28.1	25.5		32.1	37.2	17.1	31.8	28.7	7.2
% with credential	79.0	78.4	76.9		80.6	68.7		73.4	87.0	46.5	65.2	80.3	19.2
% with business name	18.1	19.2	21.6		17.8	28.9		23.1	10.9	51.6	30.3	16.8	79.8
% with address line 1	99.6	99.5	99.6		99.5	99.6		99.7	99.7	99.7	99.7	99.5	99.6
% with city	99.6	99.5	99.6		99.5	99.6		99.7	99.7	99.7	99.7	99.5	99.6
% with state	99.6	99.5	99.6		99.5	99.6		99.7	99.7	99.7	99.7	99.5	99.6
% state = OT state code	73.7	75.5	61.3		63.2	84.3		77.6	88.7	83.8	81.9	60.9	82.3
% with zip code	99.6	99.5	99.6		99.5	99.6		99.7	99.7	99.7	99.7	99.5	99.6
% with primary taxonomy	98.1	98.6	98.4		98.6	98.5		97.9	97.0	97.8	98.1	98.5	97.6
% with provider entity type = individual	81.5	80.3	78.0		81.7	70.7		76.6	88.8	48.1	69.4	82.7	19.9
% with provider entity type = organization	18.1	19.2	21.6		17.8	28.9		23.1	10.9	51.6	30.3	16.8	79.8

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	571	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	100,714	53,712	51,378		50,161	38,754		45,956	60,202	69,853	56,221	30,032	30,698
% individual or group of individuals	82.5	86.3	86.6		84.9	80.8		86.8	91.8	75.5	73.1	87.2	58.5
% allopathic and osteopathic physicians	63.0	60.5	58.7		60.0	51.9		63.0	67.5	46.3	35.8	57.0	41.7
% behavioral health and social service providers	0.2	2.6	1.2		0.4	1.6		5.9	2.9	3.7	9.0	1.4	6.0
% chiropractic providers	1.0	2.0	5.1		1.8	0.3		0.1	1.6	3.4	3.4	0.8	0.3
% dental providers	3.7	4.7	5.3		4.6	4.1		4.1	5.3	6.8	5.0	3.6	1.7
% dietary and nutritional service providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.4	0.0	0.0
% emergency medical service providers	0.0	0.1	0.1		0.0	0.0		0.1	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	1.7	2.8	2.8		2.0	1.4		0.6	2.5	2.2	2.0	2.1	2.2
% nursing service providers	0.1	0.1	0.1		0.1	0.5		0.3	0.9	0.2	0.4	0.9	0.1
% nursing service-related providers	0.0	0.0	0.0		0.0	1.4		0.0	0.0	0.0	0.0	0.2	0.3
% other service providers	1.8	1.7	1.1		1.4	3.7		4.2	1.7	2.4	1.1	2.9	2.1
% pharmacy service providers	0.1	0.0	0.1		0.0	0.0		0.0	0.0	0.1	0.2	0.1	0.1
% physician assistants and advanced practice nursing providers	6.2	7.8	8.2		12.6	12.9		4.8	5.2	6.8	11.1	14.6	1.7
% podiatric medicine and surgery service providers	1.2	1.2	1.0		0.7	0.6		1.5	1.1	1.8	0.5	0.5	1.0
% respiratory, developmental, rehabilitative, and restorative service providers	2.2	1.7	2.1		0.6	0.8		1.2	2.1	1.2	2.8	1.6	0.6
% speech, language, and hearing service providers	1.0	0.8	0.5		0.2	1.2		0.3	0.5	0.4	1.2	1.0	0.5
% student health care	0.3	0.1	0.2		0.3	0.4		0.6	0.3	0.1	0.2	0.3	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	0.1	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	0.0
% nonindividuals	17.5	13.7	13.4		15.1	19.2		13.2	8.2	24.5	26.9	12.8	41.5
% agencies	2.8	1.7	3.1		4.3	8.9		1.7	2.0	2.5	3.6	1.6	9.6
% ambulatory health care facilities	2.4	1.3	1.8		1.3	2.9		3.3	1.2	5.3	2.6	2.0	14.9
% hospital units	0.1	0.1	0.0		0.0	0.0		0.0	0.1	0.1	0.1	0.0	0.1
% hospitals	2.8	1.9	0.6		0.8	2.0		1.6	1.7	6.6	12.1	2.0	3.9
% laboratories	0.5	0.6	0.4		0.7	0.7		0.6	0.2	0.6	0.6	0.9	1.0
% managed care organizations	0.0	0.0	0.0		0.0	0.7		0.1	0.0	0.2	0.0	0.1	0.1
% nursing and custodial care facilities	1.1	0.2	0.9		0.1	0.5		0.9	1.5	0.2	2.0	0.4	1.1
% residential treatment facilities	0.3	0.1	0.3		0.2	0.5		0.1	0.0	0.1	0.7	0.0	2.6
% respite care facility	0.0	0.0	0.0		0.0	0.4		0.0	0.0	0.0	0.0	0.1	0.1
% suppliers	6.2	6.5	4.7		6.3	2.5		4.1	0.7	7.6	4.4	5.1	6.8
% transportation services	1.4	1.2	1.4		1.2	0.2		0.9	0.8	1.2	0.7	0.5	1.5
% nonmedical	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	83,736	43,756	40,688		41,557	27,792		35,958	55,094	34,330	39,761	25,224	6,247
% a sole proprietorship	15.7	13.9	11.1		14.3	23.5		20.1	16.7	20.9	12.3	19.8	36.3
% not a sole proprietorship	76.7	80.7	77.7		81.2	68.6		69.7	72.1	69.9	74.8	73.9	57.6
% not answered	7.5	5.3	11.2		4.5	7.9		10.2	11.3	9.3	12.9	6.2	6.1
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	18,571	10,488	11,284		9,080	11,371		10,835	6,746	36,882	17,352	5,122	25,105
% organization is a subpart	19.4	14.0	10.3		11.6	4.9		9.4	6.4	10.0	11.3	14.2	13.0
% organization is not a subpart	62.9	70.5	67.1		73.9	68.1		74.8	63.1	74.5	73.7	69.8	72.1
% not answered	17.7	15.5	22.5		14.5	27.0		15.8	30.4	15.5	15.0	16.1	14.9

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
OT Providers													
Number of provider IDs	17,482	30,747	20,683	19,899		58,663	270,533	102,817		126,113	45,186	47,710	97,737
% billing provider on OT claim	22.5	45.2	0.0	18.5		34.2	33.2	19.3		9.8	14.7	17.3	20.9
% servicing provider on OT claim	51.5	100.0	50.2	58.3		70.9	48.1	52.3		63.5	51.0	76.9	58.0
% NPI servicing provider on OT claim	48.5	0.0	49.8	41.7		29.1	51.9	47.7		36.5	49.1	40.6	42.0
% also a provider on IP claim	0.7	0.7	0.7	0.5		0.8	0.6	0.6		0.6	0.6	0.1	0.7
% also a provider on LT claim	0.4	0.8	0.1	0.1		0.4	0.5	0.8		0.0	0.1	0.0	0.6
% also a provider on RX claim	18.0	12.1	24.3	1.2		26.4	27.6	24.1		26.7	24.7	24.6	5.3
% provider IDs with NPI	97.6	4.2	99.9	85.7		83.2	92.8	100.0		71.4	94.8	84.0	89.5
% provider IDs linked to NPPES	97.6	4.2	94.2	4.7		83.1	92.6	100.0		35.1	92.7	84.0	89.5
% 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
average number of OT claims	505.3	366.0	538.6	688.9		680.6	1,565.9	1,984.5		1086.6	1,383.0	585.0	515.5
average number of beneficiaries with OT claims	89.6	74.8	98.9	94.3		104.9	231.8	274.1		100.6	214.0	123.8	88.0
Provider IDs with NPI													
Number of provider IDs with NPI	17,054	1,287	20,672	17,051		48,780	250,947	102,784		90,030	42,849	40,061	87,444
% NPI source = MSIS	100.0	0.0	100.0	94.7		99.4	97.4	99.7		99.4	99.1	99.1	99.9
% NPI source = NPPES	0.0	100.0	0.0	5.3		0.6	2.6	0.1		0.6	0.9	0.9	0.1
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0		0.0	0.0	0.2		0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	17,054	1,287	19,479	935		48,777	250,487	102,775		44,210	41,875	40,061	87,434
% linked via NPI	100.0	0.0	100.0	4.2		99.4	97.4	99.9		98.9	99.0	99.1	99.9
% linked via Medicaid legacy provider ID	0.0	99.9	0.0	95.6		0.6	2.6	0.1		1.1	0.6	0.2	0.1
% linked via Medicare UPIN	0.0	0.1	0.0	0.2		0.0	0.0	0.0		0.0	0.4	0.6	0.0
% with name prefix	30.6	33.8	34.9	23.3		14.3	43.2	34.5		34.0	34.1	39.6	38.8
% with first name	81.9	55.3	83.4	47.8		32.5	86.3	67.9		86.0	80.7	90.0	83.5
% with middle name	63.1	50.3	61.9	37.8		23.9	52.2	55.7		66.7	65.3	73.9	61.9
% with last name	81.9	55.3	83.4	47.8		32.5	86.3	67.9		86.0	80.7	90.0	83.5
% with name suffix	1.4	1.6	1.7	1.4		0.8	1.3	4.0		2.3	2.9	1.8	2.6
% male	49.1	39.7	55.7	25.2		19.1	47.5	39.3		59.9	52.6	54.6	56.1
% female	32.8	15.6	27.7	22.6		13.4	38.8	28.5		26.1	28.2	35.4	27.4
% with credential	76.7	54.2	80.7	46.7		31.7	80.8	65.2		84.8	79.2	87.9	80.8
% with business name	17.8	44.7	16.3	52.2		67.0	13.1	31.8		13.8	18.7	9.5	16.2
% with address line 1	99.7	100.0	99.6	100.0		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% with city	99.7	100.0	99.6	100.0		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% with state	99.7	100.0	99.6	100.0		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% state = OT state code	61.7	92.9	67.8	82.1		60.2	82.0	88.0		88.9	69.4	72.5	88.0
% with zip code	99.7	100.0	99.6	100.0		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% with primary taxonomy	97.7	98.8	98.1	94.5		97.3	97.7	98.0		98.8	98.3	97.8	98.4
% with provider entity type = individual	81.9	55.3	83.4	47.8		32.5	86.3	67.9		86.0	80.7	90.0	83.5
% with provider entity type = organization	17.8	44.7	16.3	52.2		67.0	13.1	31.8		13.8	18.7	9.5	16.2

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	4		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	16,658	1,272	19,113	884		47,480	244,807	100,722		43,680	41,173	39,168	85,992
% individual or group of individuals	83.1	67.2	84.9	57.1		68.2	90.6	75.8		89.9	84.2	91.5	85.0
% allopathic and osteopathic physicians	48.3	22.3	58.7	22.3		45.4	52.7	44.2		73.8	56.5	58.3	63.8
% behavioral health and social service providers	7.3	4.8	4.7	15.8		5.4	9.0	9.7		0.8	2.8	3.0	0.5
% chiropractic providers	1.1	11.3	0.2	0.0		0.6	0.2	1.2		0.9	0.1	0.6	1.3
% dental providers	4.6	12.3	4.4	5.8		2.9	4.7	4.0		2.0	3.4	5.4	3.1
% dietary and nutritional service providers	0.1	0.1	0.0	0.0		0.1	0.3	0.0		0.0	0.5	0.2	0.0
% emergency medical service providers	0.1	0.0	0.1	0.1		0.1	0.1	0.0		0.3	0.1	0.1	0.1
% eye and vision service providers	2.1	5.8	2.0	2.1		1.3	1.7	2.0		1.3	2.8	2.1	1.3
% nursing service providers	0.1	0.2	0.1	0.1		0.3	4.6	0.1		0.4	0.3	1.1	0.6
% nursing service-related providers	0.0	0.0	0.1	0.0		0.1	0.0	0.3		0.0	0.1	0.0	0.0
% other service providers	1.5	1.7	2.4	1.1		3.9	3.3	2.3		2.3	2.1	3.1	4.5
% pharmacy service providers	0.0	0.6	0.0	0.3		0.0	0.2	0.1		0.0	0.1	0.0	0.0
% physician assistants and advanced practice nursing providers	11.4	2.8	6.4	4.4		4.2	8.3	6.4		5.4	10.2	11.8	2.2
% podiatric medicine and surgery service providers	0.5	2.2	0.6	0.9		0.7	1.5	0.6		1.8	0.5	0.7	1.6
% respiratory, developmental, rehabilitative, and restorative service providers	4.4	2.2	3.9	2.8		1.9	2.6	2.4		0.5	2.0	3.8	3.7
% speech, language, and hearing service providers	1.4	1.0	1.3	1.2		0.9	0.8	2.1		0.1	2.1	1.0	2.2
% student health care	0.1	0.0	0.1	0.0		0.3	0.6	0.1		0.3	0.4	0.3	0.2
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	0.0		0.2	0.0	0.0		0.0	0.1	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	0.0
% nonindividuals	16.9	32.8	15.1	42.9		31.8	9.4	24.2		10.1	15.8	8.5	15.0
% agencies	3.9	3.4	1.5	6.7		6.6	1.4	8.4		2.5	3.1	0.9	3.6
% ambulatory health care facilities	1.5	5.8	2.2	4.2		9.1	1.0	1.9		1.9	2.1	1.5	2.4
% hospital units	0.0	0.2	0.0	0.2		0.1	0.1	0.0		0.0	0.0	0.0	0.1
% hospitals	2.1	0.9	4.2	0.8		7.0	1.2	1.4		1.0	3.4	0.2	1.6
% laboratories	0.9	0.3	0.4	0.3		1.2	0.2	0.3		0.5	0.6	0.8	0.4
% managed care organizations	0.0	0.2	0.1	0.0		0.2	0.0	0.1		0.0	0.0	0.0	0.0
% nursing and custodial care facilities	1.4	4.3	0.2	0.6		0.7	0.3	3.3		0.1	0.2	0.1	0.6
% residential treatment facilities	0.2	0.2	0.1	1.0		0.2	0.2	2.0		0.0	0.3	0.4	0.1
% respite care facility	0.0	0.0	0.0	0.6		0.0	0.0	0.0		0.0	0.0	0.0	0.0
% suppliers	5.5	13.4	5.5	26.8		5.1	4.3	6.2		2.1	5.0	3.4	4.2
% transportation services	1.3	4.1	0.8	1.7		1.6	0.7	0.5		1.9	1.0	1.1	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

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	13,968	712	16,239	447		15,836	216,146	69,738		38,024	33,814	36,063	73,015
% a sole proprietorship	19.5	35.4	19.2	34.5		26.5	29.8	19.0		15.9	19.4	17.3	15.8
% not a sole proprietorship	75.2	56.3	74.2	60.2		67.5	62.5	76.2		78.2	74.6	76.2	73.5
% not answered	5.4	8.3	6.6	5.4		6.0	7.7	4.8		5.8	6.0	6.5	10.8
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,029	575	3,171	488		32,693	32,920	32,651		6,081	7,827	3,813	14,121
% organization is a subpart	12.2	17.9	16.8	16.2		7.9	9.3	9.1		9.1	11.7	12.2	10.9
% organization is not a subpart	68.8	69.4	72.6	61.7		79.0	69.7	71.4		76.2	68.0	70.2	66.1
% not answered	19.0	12.7	10.6	22.1		13.2	21.0	19.6		14.7	20.3	17.7	23.0

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
OT Providers												
Number of provider IDs	13,909	25,807	14,350	73,001	112,155		15,869	78,368	68,491	33,271	46,918	20,519
% billing provider on OT claim	42.0	21.3	47.2	33.2	74.4		16.3	39.7	12.2	11.7	69.3	10.5
% servicing provider on OT claim	100.0	100.0	47.4	73.5	93.0		48.5	50.0	51.3	50.4	99.2	57.2
% NPI servicing provider on OT claim	55.9	0.0	52.6	27.0	70.2		51.5	50.0	49.7	49.6	52.6	42.8
% also a provider on IP claim	6.3	0.0	1.0	1.6	0.7		0.0	1.1	0.6	1.0	0.9	0.2
% also a provider on LT claim	0.1	0.0	0.2	0.6	0.9		0.0	0.1	0.3	0.0	0.8	0.1
% also a provider on RX claim	28.1	54.2	0.1	24.5	1.6		25.2	26.0	31.6	5.9	49.5	29.3
% provider IDs with NPI	56.6	47.9	83.0	75.6	75.1		99.1	100.0	99.0	96.2	61.0	83.5
% provider IDs linked to NPPES	55.4	47.9	82.6	75.6	74.1		99.0	95.7	98.5	96.2	61.0	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
average number of OT claims	466.2	790.0	374.8	1,246.7	2193.2		805.7	720.4	1,273.9	907.4	1086.9	278.4
average number of beneficiaries with OT claims	95.7	130.1	87.3	250.8	322.1		124.0	152.9	207.2	136.5	197.3	46.7
Provider IDs with NPI												
Number of provider IDs with NPI	7,870	12,371	11,906	55,206	84,257		15,730	78,368	67,788	31,998	28,607	17,131
% NPI source = MSIS	98.8	98.4	89.7	99.1	99.9		99.7	100.0	100.0	95.7	97.8	97.7
% NPI source = NPPES	1.2	1.6	10.3	0.9	0.1		0.3	0.0	0.0	4.3	2.2	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
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	7,702	12,371	11,856	55,194	83,141		15,712	74,984	67,455	31,998	28,607	17,117
% linked via NPI	98.8	98.4	89.7	99.1	99.9		99.7	100.0	100.0	95.7	97.8	97.7
% linked via Medicaid legacy provider ID	0.4	1.5	10.3	0.0	0.1		0.3	0.0	0.0	4.3	2.2	2.3
% linked via Medicare UPIN	0.8	0.1	0.0	0.8	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	34.7	47.1	21.0	29.7	36.1		48.3	36.6	30.0	35.2	24.6	36.2
% with first name	88.4	97.8	66.6	65.0	78.5		94.9	80.3	82.3	83.1	65.8	91.4
% with middle name	60.9	83.8	55.0	52.3	59.3		72.1	62.5	66.5	66.2	53.9	68.5
% with last name	88.4	97.8	66.6	65.0	78.5		94.9	80.3	82.3	83.1	65.8	91.4
% with name suffix	2.3	8.8	1.1	3.5	3.1		2.1	3.6	1.5	3.3	0.8	1.9
% male	51.3	65.2	42.3	40.1	47.5		50.5	49.3	48.1	53.4	33.2	59.5
% female	37.1	32.6	24.3	25.0	31.1		44.4	30.9	34.3	29.7	32.6	31.9
% with credential	86.1	95.8	64.5	62.9	76.2		92.1	77.5	78.1	78.7	62.4	87.2
% with business name	11.2	1.9	33.2	34.6	21.0		4.8	19.3	17.4	16.6	33.8	8.1
% with address line 1	99.6	99.6	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% with city	99.6	99.6	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% with state	99.6	99.6	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% state = OT state code	66.2	78.4	66.6	73.8	93.1		54.3	69.3	81.9	49.8	69.2	32.3
% with zip code	99.6	99.6	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% with primary taxonomy	97.5	99.0	98.4	98.4	98.1		97.0	97.7	98.7	98.3	97.9	98.1
% with provider entity type = individual	88.4	97.8	66.6	65.0	78.5		94.9	80.3	82.3	83.1	65.8	91.4
% with provider entity type = organization	11.2	1.9	33.2	34.6	21.0		4.8	19.3	17.4	16.6	33.8	8.1

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	7,506	12,243	11,661	54,313	81,577		15,233	73,292	66,547	31,467	28,018	16,794
% individual or group of individuals	90.8	98.6	77.0	69.5	80.9		95.9	84.1	89.1	84.9	69.6	93.4
% allopathic and osteopathic physicians	63.1	74.3	43.4	37.1	49.3		54.0	57.6	54.4	55.8	24.0	66.0
% behavioral health and social service providers	7.2	0.4	4.4	5.7	6.1		14.0	7.0	1.5	2.1	10.9	1.8
% chiropractic providers	0.3	0.1	4.4	0.5	0.6		1.6	0.1	0.2	1.0	4.3	0.3
% dental providers	3.3	6.6	0.4	3.7	5.3		4.2	3.4	6.2	3.5	4.5	3.6
% dietary and nutritional service providers	0.4	0.0	0.1	0.0	0.2		0.5	0.0	0.4	0.0	0.0	0.1
% emergency medical service providers	0.0	0.0	0.1	0.1	0.0		0.0	0.0	0.0	0.0	0.1	0.1
% eye and vision service providers	2.2	2.1	3.3	2.4	1.8		1.4	2.1	2.7	1.3	2.3	1.8
% nursing service providers	1.6	0.1	0.1	0.4	0.2		0.5	0.2	0.3	0.9	0.5	0.5
% nursing service-related providers	0.0	0.0	0.1	0.0	0.2		0.0	0.0	0.0	0.1	0.0	0.0
% other service providers	1.6	3.1	1.1	2.8	2.4		1.5	2.8	2.4	5.1	0.7	3.7
% pharmacy service providers	0.0	0.0	0.1	0.0	0.0		0.0	0.1	0.0	0.1	0.1	0.2
% physician assistants and advanced practice nursing providers	8.2	10.7	14.2	12.2	9.9		12.0	8.0	12.9	7.8	10.9	11.4
% podiatric medicine and surgery service providers	1.1	0.8	0.7	0.4	0.9		0.4	0.9	0.9	0.6	0.4	0.5
% respiratory, developmental, rehabilitative, and restorative service providers	0.9	0.1	3.0	2.8	1.8		3.3	0.9	5.7	2.5	8.3	1.7
% speech, language, and hearing service providers	0.7	0.1	1.5	1.0	1.8		1.1	0.5	1.4	3.6	2.2	0.8
% student health care	0.2	0.2	0.1	0.2	0.3		1.4	0.3	0.2	0.2	0.1	0.8
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.1		0.0	0.1	0.0	0.0	0.0	0.2
% 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	0.0
% nonindividuals	9.2	1.4	23.0	30.5	19.1		4.1	15.9	10.9	15.1	30.4	6.6
% agencies	2.6	0.7	3.9	1.6	6.5		0.6	3.2	1.4	2.7	3.5	1.7
% ambulatory health care facilities	0.7	0.2	3.6	2.4	2.7		0.2	1.6	2.7	1.5	2.9	1.1
% hospital units	0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% hospitals	0.3	0.1	3.6	20.8	1.3		0.1	2.5	1.5	2.1	13.7	0.5
% laboratories	0.2	0.0	0.8	0.6	0.3		0.5	0.6	0.4	1.3	0.6	0.5
% 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
% nursing and custodial care facilities	0.4	0.2	2.2	0.9	2.2		0.0	0.1	0.2	0.1	1.9	0.2
% residential treatment facilities	0.6	0.0	0.4	0.1	0.1		0.1	0.6	0.1	0.2	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	0.1
% suppliers	3.7	0.2	5.5	2.7	4.6		1.2	6.3	4.0	5.6	6.2	2.0
% transportation services	0.8	0.0	2.9	1.2	1.2		1.5	0.9	0.6	1.6	1.6	0.5
% nonmedical	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX OT Servicing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	6,809	12,095	7,897	35,886	65,297		14,907	60,188	55,529	26,584	18,821	15,649
% a sole proprietorship	16.9	13.5	10.6	18.8	24.7		21.7	14.9	14.6	18.3	12.4	17.1
% not a sole proprietorship	74.8	81.6	82.1	73.8	71.2		70.9	78.5	80.4	73.1	77.2	77.9
% not answered	8.3	4.8	7.3	7.4	4.1		7.4	6.6	5.1	8.6	10.4	5.0
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	861	229	3,936	19,103	17,419		757	14,502	11,741	5,308	9,676	1,385
% organization is a subpart	8.5	5.7	9.1	7.9	10.8		7.1	10.0	13.6	10.1	13.5	8.5
% organization is not a subpart	64.0	68.1	71.3	82.5	68.9		62.7	73.4	69.5	71.8	74.5	67.1
% not answered	27.5	26.2	19.7	9.6	20.3		30.1	16.6	16.9	18.1	11.9	24.3

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
OT Providers													
Number of provider IDs	7,896	3,554	28,177	12,872	624,999	8,028	14,333	2,179	4,197	60,311	55,437	6,846	
% 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	40.8	8.2	95.3	80.6	97.1	63.9	80.9	51.0	91.6	87.3	11.9	88.8	
% NPI servicing provider on OT claim	0.0	32.0	0.0	0.0	95.5	0.0	0.0	52.3	0.0	0.0	58.1	0.0	
% also a provider on IP claim	3.3	2.3	1.3	1.6	0.4	2.5	0.4	2.1	1.7	2.5	1.1	1.5	
% also a provider on LT claim	2.7	0.5	0.3	0.4	0.1	0.0	0.0	2.2	2.0	1.1	0.1	0.4	
% also a provider on RX claim	0.0	2.8	47.7	23.1	4.9	20.7	5.8	25.0	52.1	0.1	32.3	5.4	
% provider IDs with NPI	57.5	40.3	84.5	48.1	95.8	68.5	80.1	58.3	38.9	79.3	67.9	35.8	
% provider IDs linked to NPPES	57.5	40.0	84.5	48.1	4.2	68.5	80.0	56.6	38.8	79.2	67.9	35.8	
% 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	0.0	0.0	0.8	0.0	0.0	
average number of OT claims	4799.8	2,074.0	3234.1	3,713.9	510.7	3,849.7	2,634.2	5,688.0	2583.9	3,115.5	1,935.6	1702.9	
average number of beneficiaries with OT claims	633.4	220.9	340.0	398.3	73.4	431.0	301.1	408.0	331.4	424.0	383.4	264.4	
Provider IDs with NPI													
Number of provider IDs with NPI	4,543	1,432	23,811	6,197	598,863	5,499	11,474	1,271	1,632	47,830	37,650	2,449	
% NPI source = MSIS	80.5	94.1	98.7	70.8	99.6	64.9	98.4	95.5	77.3	91.3	98.5	89.5	
% NPI source = NPPES	19.5	5.9	1.3	29.2	0.4	35.1	1.6	4.5	22.7	7.7	1.5	10.5	
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	4,542	1,420	23,810	6,194	26,114	5,498	11,466	1,234	1,630	47,778	37,644	2,449	
% linked via NPI	80.4	94.0	98.7	70.8	91.3	64.9	98.4	95.4	77.3	92.3	98.5	89.5	
% linked via Medicaid legacy provider ID	18.8	5.9	1.1	29.2	2.1	35.1	1.6	4.6	22.7	7.7	1.5	8.7	
% linked via Medicare UPIN	0.7	0.1	0.2	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	1.8	
% with name prefix	15.6	31.1	34.9	27.6	17.2	13.0	30.6	24.1	23.7	33.0	38.0	39.6	
% with first name	24.0	61.5	83.2	51.0	30.4	24.2	64.9	39.8	44.4	65.4	78.5	62.3	
% with middle name	21.5	49.7	61.7	42.5	22.5	19.6	44.5	32.8	29.1	46.8	62.8	49.9	
% with last name	24.0	61.5	83.2	51.0	30.4	24.2	64.9	39.8	44.4	65.4	78.5	62.3	
% with name suffix	2.9	1.9	1.5	3.1	0.6	0.7	1.3	2.0	1.5	1.9	4.6	1.5	
% male	19.7	34.3	50.7	36.4	20.9	14.6	42.5	27.0	28.4	44.6	48.3	37.9	
% female	4.4	27.2	32.5	14.6	9.5	9.6	22.5	12.8	16.0	20.8	30.2	24.4	
% with credential	23.5	58.0	79.6	49.5	28.9	22.9	63.5	38.4	42.3	63.1	76.1	60.6	
% with business name	75.6	38.4	16.4	48.5	69.2	75.4	34.7	59.3	55.1	34.0	21.1	37.0	
% with address line 1	99.6	99.9	99.6	99.5	99.6	99.6	99.6	99.1	99.5	99.4	99.6	99.3	
% with city	99.6	99.9	99.6	99.5	99.6	99.6	99.6	99.1	99.5	99.4	99.6	99.3	
% with state	99.6	99.9	99.6	99.5	99.6	99.6	99.6	99.1	99.5	99.4	99.6	99.3	
% state = OT state code	83.2	83.1	79.8	83.6	85.5	93.1	79.9	73.6	51.8	92.2	82.5	87.7	
% with zip code	99.6	99.9	99.6	99.5	99.6	99.6	99.6	99.1	99.5	99.4	99.6	99.3	
% with primary taxonomy	96.2	97.8	98.3	98.5	97.6	98.3	96.9	97.7	98.4	98.4	98.0	96.4	
% with provider entity type = individual	24.0	61.5	83.2	51.0	30.4	24.2	64.9	39.8	44.4	65.4	78.5	62.3	
% with provider entity type = organization	75.6	38.4	16.4	48.5	69.2	75.4	34.7	59.3	55.1	34.0	21.1	37.0	

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	488	0	0	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	4,371	1,389	23,404	6,104	25,487	5,405	11,111	1,206	1,604	46,992	36,894	2,362	
% individual or group of individuals	40.7	66.6	86.7	65.8	67.7	51.0	78.4	50.0	53.1	75.9	81.6	76.0	
% allopathic and osteopathic physicians	23.8	21.5	58.5	38.5	35.6	26.3	58.5	26.5	39.7	54.4	48.9	36.2	
% behavioral health and social service providers	0.9	1.3	2.2	1.5	2.2	2.8	3.7	7.0	0.9	1.7	4.9	15.6	
% chiropractic providers	0.2	4.5	0.2	2.1	1.0	0.1	1.0	0.2	0.0	1.6	0.3	0.0	
% dental providers	6.0	12.9	0.2	2.1	16.5	7.2	3.4	6.9	4.6	1.4	4.2	3.2	
% dietary and nutritional service providers	0.0	0.9	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.3	
% emergency medical service providers	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	
% eye and vision service providers	3.9	3.6	1.3	5.7	3.5	2.7	2.5	1.4	0.8	2.3	1.9	5.0	
% nursing service providers	0.3	0.1	0.5	0.1	1.0	0.1	0.0	1.2	0.1	0.2	0.2	0.5	
% nursing service-related providers	0.0	0.4	0.3	0.2	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.1	
% other service providers	3.2	4.4	3.3	5.0	3.9	3.8	2.8	2.1	2.4	4.5	3.5	4.8	
% pharmacy service providers	0.4	0.1	0.0	0.3	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.1	
% physician assistants and advanced practice nursing providers	0.6	6.5	10.2	2.7	0.3	0.8	4.1	1.1	2.0	4.8	11.4	3.1	
% podiatric medicine and surgery service providers	0.6	0.6	1.1	1.4	1.5	1.4	1.4	2.4	2.3	1.4	0.9	0.9	
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	6.6	5.4	2.3	0.9	2.3	0.5	0.3	0.0	1.6	2.7	5.6	
% speech, language, and hearing service providers	0.3	3.2	3.0	3.8	1.0	3.2	0.2	0.2	0.1	1.6	2.4	0.3	
% student health care	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	
% 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	0.0	0.0	
% nonindividuals	59.3	33.4	13.3	34.2	32.3	49.0	21.6	50.0	46.9	24.1	18.4	24.0	
% agencies	7.6	3.5	2.1	7.2	5.6	8.5	1.9	2.5	6.2	3.9	4.4	2.8	
% ambulatory health care facilities	4.7	3.7	2.4	5.3	11.3	8.1	1.9	8.8	6.9	3.4	2.4	5.1	
% hospital units	0.0	0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.1	0.0	0.1	0.2	
% hospitals	7.5	5.9	2.8	3.7	5.4	4.6	5.3	3.9	7.5	3.6	3.2	3.3	
% laboratories	4.1	3.3	0.5	1.3	1.2	1.4	1.4	1.9	2.4	0.5	0.6	0.8	
% managed care organizations	0.2	0.0	0.1	0.1	0.5	0.3	0.0	0.0	0.1	0.2	0.0	0.3	
% nursing and custodial care facilities	4.9	1.8	0.9	0.9	0.5	3.1	0.1	3.2	2.9	3.2	0.4	1.4	
% residential treatment facilities	0.0	1.3	0.9	0.1	0.1	1.7	0.2	1.0	5.1	0.3	0.4	0.0	
% respite care facility	0.0	0.1	0.7	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	
% suppliers	25.9	9.5	1.7	13.5	5.3	18.1	8.3	23.1	15.1	8.5	6.1	9.4	
% transportation services	4.4	4.2	1.1	2.0	2.2	3.0	2.3	5.5	0.6	0.5	0.8	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	

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	1,092	873	19,806	3,159	7,933	1,331	7,444	491	724	31,240	29,533	1,526	
% a sole proprietorship	58.2	45.1	19.8	31.3	48.3	51.9	22.0	51.1	30.5	27.4	24.3	50.0	
% not a sole proprietorship	35.3	49.5	73.6	62.0	45.2	40.9	69.6	38.9	65.2	65.7	68.9	42.3	
% not answered	6.4	5.4	6.5	6.7	6.5	7.2	8.4	10.0	4.3	7.0	6.7	7.7	
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,433	545	3,897	3,005	18,074	4,147	3,973	732	898	16,267	7,952	905	
% organization is a subpart	14.7	14.7	11.1	14.4	7.5	11.8	8.0	16.7	4.9	12.8	10.9	9.1	
% organization is not a subpart	68.9	72.1	71.7	78.2	69.3	68.4	74.9	66.1	79.3	75.9	71.2	72.5	
% not answered	16.4	13.2	17.1	7.4	23.2	19.8	17.2	17.2	15.8	11.3	17.9	18.5	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
OT Providers													
Number of provider IDs	16,683	11,358	17,641		18,680	11,802		13,357	11,543	134,117	92,851	7,294	12,813
% 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
% servicing provider on OT claim	0.0	61.2	86.2		74.4	89.6		98.0	7.6	91.3	26.2	63.1	27.7
% NPI servicing provider on OT claim	0.0	0.0	0.0		0.0	0.0		0.0	0.0	5.3	0.0	0.0	0.0
% also a provider on IP claim	3.2	3.3	1.9		1.9	3.6		1.5	1.5	0.7	0.4	3.8	3.4
% also a provider on LT claim	2.2	0.6	2.5		0.0	0.0		0.1	4.0	0.2	0.6	0.4	0.0
% also a provider on RX claim	3.8	9.4	4.3		41.4	30.0		18.0	27.4	7.5	24.2	0.0	19.3
% provider IDs with NPI	6.4	92.7	91.0		85.5	66.5		90.7	14.7	21.0	21.4	79.9	43.4
% provider IDs linked to NPPES	6.4	92.7	61.2		85.5	66.4		52.9	14.7	20.9	19.2	79.4	42.1
% 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
average number of OT claims	6771.9	4,474.5	1532.3		2,836.3	4331.0		3,861.6	6036.0	1,041.4	821.6	3,717.8	5,366.4
average number of beneficiaries with OT claims	848.9	590.3	211.9		589.5	571.0		207.5	564.2	148.1	82.0	569.2	743.6
Provider IDs with NPI													
Number of provider IDs with NPI	1,060	10,532	16,055		15,978	7,844		12,110	1,695	28,228	19,826	5,829	5,567
% NPI source = MSIS	99.7	50.9	94.5		89.2	99.9		97.1	87.4	75.7	66.8	82.1	63.7
% NPI source = NPPES	0.3	6.4	5.5		10.8	0.1		2.9	12.6	24.3	33.2	17.9	36.3
% 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
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	1,060	10,532	10,803		15,978	7,839		7,064	1,695	28,063	17,781	5,790	5,392
% linked via NPI	99.7	93.6	91.8		89.2	99.9		95.1	87.4	75.6	63.0	82.0	62.5
% linked via Medicaid legacy provider ID	0.2	6.4	8.2		10.8	0.0		4.9	12.6	24.4	37.0	18.0	37.4
% linked via Medicare UPIN	0.1	0.0	0.0		0.0	0.1		0.0	0.0	0.1	0.0	0.0	0.0
% with name prefix	0.4	17.2	19.2		26.9	21.8		17.7	2.2	25.8	13.0	25.6	15.7
% with first name	0.5	25.5	38.2		58.1	37.2		28.7	4.0	50.8	40.5	41.8	25.2
% with middle name	0.4	21.9	33.4		47.9	31.1		20.9	3.1	40.0	34.9	35.7	21.0
% with last name	0.5	25.5	38.2		58.1	37.2		28.7	4.0	50.8	40.5	41.8	25.2
% with name suffix	0.0	1.1	0.6		2.5	3.5		1.1	0.2	1.2	0.6	4.4	1.2
% male	0.3	19.6	25.4		39.6	26.2		20.4	2.7	33.1	23.5	30.2	16.7
% female	0.2	5.8	12.8		18.5	11.0		8.3	1.4	17.7	17.0	11.6	8.5
% with credential	0.4	24.5	37.4		57.3	35.5		27.8	3.8	49.2	38.1	40.5	24.4
% with business name	99.3	74.1	61.4		41.5	62.6		70.9	95.9	48.9	59.3	57.8	74.6
% with address line 1	99.8	99.6	99.6		99.5	99.7		99.6	99.9	99.7	99.8	99.6	99.7
% with city	99.8	99.6	99.6		99.5	99.7		99.6	99.9	99.7	99.8	99.6	99.7
% with state	99.8	99.6	99.6		99.5	99.7		99.6	99.9	99.7	99.8	99.6	99.7
% state = OT state code	62.3	83.1	79.7		80.6	83.8		84.2	89.0	83.9	86.2	79.7	87.4
% with zip code	99.8	99.6	99.6		99.5	99.7		99.6	99.9	99.7	99.8	99.6	99.7
% with primary taxonomy	97.6	97.9	98.1		98.5	98.5		97.8	97.6	98.2	98.8	98.2	98.8
% with provider entity type = individual	0.5	25.5	38.2		58.1	37.2		28.7	4.0	50.8	40.5	41.8	25.2
% with provider entity type = organization	99.3	74.1	61.4		41.5	62.6		70.9	95.9	48.9	59.3	57.8	74.6

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	469	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	1,035	10,314	10,603		15,738	7,718		6,907	1,655	27,554	17,567	5,688	5,326
% individual or group of individuals	3.2	57.7	59.7		69.7	57.0		61.1	48.9	70.7	43.8	63.4	46.5
% allopathic and osteopathic physicians	0.0	28.8	29.3		46.5	33.1		43.4	34.4	39.0	22.7	35.2	26.8
% behavioral health and social service providers	0.0	3.4	2.2		0.4	1.3		4.0	1.1	6.9	5.7	1.6	6.7
% chiropractic providers	0.0	4.6	7.9		2.6	0.6		0.3	1.1	3.2	2.4	1.7	0.5
% dental providers	0.0	10.1	7.5		6.5	6.1		0.1	1.1	9.0	2.2	6.7	2.9
% dietary and nutritional service providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.1	0.1	0.0	0.0
% emergency medical service providers	0.0	0.1	0.2		0.1	0.1		0.1	0.0	0.0	0.1	0.0	0.2
% eye and vision service providers	0.0	3.9	3.3		2.6	1.7		1.3	1.9	1.7	1.7	4.4	3.1
% nursing service providers	0.0	0.0	0.1		0.1	0.2		0.1	0.0	0.2	0.3	1.7	0.2
% nursing service-related providers	0.0	0.1	0.0		0.0	3.5		0.0	0.0	0.0	0.0	0.7	0.7
% other service providers	0.0	2.9	1.4		1.9	4.4		5.9	3.5	2.3	0.8	3.7	1.9
% pharmacy service providers	3.1	0.1	0.2		0.1	0.0		0.1	0.0	0.1	0.2	0.3	0.3
% physician assistants and advanced practice nursing providers	0.0	0.6	4.6		7.0	1.9		0.6	0.4	4.9	5.9	4.1	0.7
% podiatric medicine and surgery service providers	0.0	1.4	1.2		1.0	0.6		3.3	2.8	1.5	0.3	0.9	1.5
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.9	1.1		0.7	1.2		1.4	2.4	1.4	0.9	1.1	0.4
% speech, language, and hearing service providers	0.1	0.7	0.5		0.3	2.0		0.3	0.1	0.3	0.6	0.8	0.5
% student health care	0.0	0.0	0.0		0.1	0.1		0.0	0.0	0.0	0.0	0.1	0.0
% technologists, technicians, and other technical service providers	0.0	0.1	0.0		0.1	0.1		0.1	0.1	0.1	0.0	0.2	0.1
% 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	0.0
% nonindividuals	96.8	42.3	40.3		30.3	43.0		38.9	51.1	29.3	56.2	36.6	53.5
% agencies	1.2	6.4	8.9		8.0	21.9		3.5	2.2	3.0	5.1	4.5	10.8
% ambulatory health care facilities	0.1	5.2	4.7		2.8	4.1		9.1	7.5	4.5	3.5	7.6	12.9
% hospital units	0.2	0.3	0.3		0.1	0.0		0.1	1.9	0.2	0.3	0.1	0.0
% hospitals	41.8	7.3	4.3		2.6	4.6		4.5	12.7	9.6	32.1	6.0	3.2
% laboratories	0.0	1.6	1.1		1.2	1.5		1.8	0.3	0.9	0.8	2.3	2.0
% managed care organizations	0.0	0.1	0.1		0.0	1.7		0.1	0.1	0.3	0.0	0.1	0.1
% nursing and custodial care facilities	7.9	0.6	6.0		0.1	1.3		3.0	24.2	0.3	3.8	0.8	1.0
% residential treatment facilities	1.6	0.6	0.9		0.4	1.2		0.1	0.4	0.2	1.0	0.1	1.8
% respite care facility	0.0	0.1	0.1		0.1	0.9		0.0	0.0	0.0	0.0	0.4	0.1
% suppliers	44.0	16.9	10.5		12.7	5.4		13.6	1.2	9.1	8.6	13.2	17.8
% transportation services	0.0	3.2	3.5		2.2	0.4		3.0	0.5	1.2	1.0	1.3	3.6
% nonmedical	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	2,681	4,127		9,280	2,913		2,026	68	14,262	7,193	2,422	1,358
% a sole proprietorship	60.0	56.7	26.1		21.5	43.4		54.9	50.0	22.9	14.0	41.6	51.2
% not a sole proprietorship	40.0	34.6	64.2		74.1	49.3		35.8	44.1	67.4	83.6	55.0	40.9
% not answered	0.0	8.7	9.7		4.4	7.4		9.2	5.9	9.7	2.4	3.3	8.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,053	7,804	6,636		6,624	4,905		5,007	1,626	13,719	10,551	3,344	4,020
% organization is a subpart	10.9	11.4	10.3		12.7	4.4		9.5	7.6	8.8	12.4	13.1	16.3
% organization is not a subpart	75.7	71.7	67.9		75.2	66.9		75.7	71.7	76.4	77.6	69.3	76.6
% not answered	13.4	16.9	21.8		12.2	28.7		14.8	20.7	14.8	10.1	17.6	7.1

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
OT Providers													
Number of provider IDs	5,547	16,508	6,233	4,511		26,953	93,129	27,209		35,099	11,090	30,149	25,612
% 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
% servicing provider on OT claim	70.8	84.1	0.0	81.6		74.4	96.6	73.1		35.4	59.9	27.4	79.9
% 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
% also a provider on IP claim	2.3	1.5	0.9	2.2		1.9	1.1	1.1		1.1	3.2	0.5	1.3
% also a provider on LT claim	0.2	1.6	0.0	0.3		0.5	0.8	0.1		0.3	0.2	0.1	1.1
% also a provider on RX claim	14.0	7.0	0.5	5.5		28.0	64.3	19.4		8.5	2.4	0.4	6.9
% provider IDs with NPI	65.4	9.9	15.6	64.9		49.2	85.3	96.7		60.6	60.7	14.1	48.6
% provider IDs linked to NPPES	65.4	9.9	15.6	21.6		49.1	85.3	96.7		54.7	60.6	14.1	48.6
% 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
average number of OT claims	1127.4	673.7	1602.6	1967.4		1,125.6	2,989.3	4,818.3		2401.3	3,995.6	1,347.8	3536.0
average number of beneficiaries with OT claims	155.8	111.8	223.3	172.6		155.4	388.1	490.6		188.7	482.3	110.2	330.9
Provider IDs with NPI													
Number of provider IDs with NPI	3,630	1,636	972	2,926		13,248	79,467	26,300		21,272	6,732	4,248	12,449
% NPI source = MSIS	100.0	0.0	8.5	68.1		98.1	91.0	74.6		63.5	86.1	81.3	99.5
% NPI source = NPPES	0.0	100.0	91.5	31.9		1.9	9.0	10.6		36.5	13.9	18.7	0.5
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0		0.0	0.0	14.8		0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	3,630	1,636	972	973		13,247	79,463	26,298		19,186	6,726	4,248	12,449
% linked via NPI	100.0	0.0	8.5	4.1		98.1	91.0	89.4		59.5	86.1	81.3	99.5
% linked via Medicaid legacy provider ID	0.0	99.9	91.3	95.7		1.9	9.0	10.6		40.0	13.9	15.6	0.5
% linked via Medicare UPIN	0.0	0.1	0.2	0.2		0.0	0.0	0.0		0.4	0.0	3.2	0.0
% with name prefix	28.2	34.1	19.8	15.7		21.1	43.0	13.6		31.6	20.3	25.8	25.1
% with first name	54.6	57.5	40.6	26.0		44.2	83.4	20.3		64.5	34.3	47.5	42.2
% with middle name	45.7	52.1	31.9	19.9		33.2	50.6	17.2		52.1	29.9	40.9	34.2
% with last name	54.6	57.5	40.6	26.0		44.2	83.4	20.3		64.5	34.3	47.5	42.2
% with name suffix	1.2	1.6	0.9	0.7		1.1	1.3	1.6		2.0	1.5	1.0	2.1
% male	30.3	36.6	30.2	10.9		26.3	50.8	11.3		42.1	21.5	30.5	32.6
% female	24.3	20.8	10.4	15.1		17.9	32.6	9.1		22.4	12.8	17.0	9.6
% with credential	52.9	56.1	40.4	25.1		43.0	79.5	19.2		61.0	33.1	46.2	41.3
% with business name	45.1	42.5	59.4	74.0		55.1	16.1	79.3		35.3	65.0	52.0	57.4
% with address line 1	99.7	100.0	100.0	100.0		99.3	99.5	99.6		99.8	99.3	99.5	99.6
% with city	99.7	100.0	100.0	100.0		99.3	99.5	99.6		99.8	99.3	99.5	99.6
% with state	99.7	100.0	100.0	100.0		99.3	99.5	99.6		99.8	99.3	99.5	99.6
% state = OT state code	86.0	93.3	89.2	89.7		60.1	89.3	93.0		91.0	84.4	86.1	91.1
% with zip code	99.7	100.0	100.0	100.0		99.3	99.5	99.6		99.8	99.3	99.5	99.6
% with primary taxonomy	96.8	98.0	100.0	94.9		97.1	97.7	97.4		98.6	97.7	96.7	97.5
% with provider entity type = individual	54.6	57.5	40.6	26.0		44.2	83.4	20.3		64.5	34.3	47.5	42.2
% with provider entity type = organization	45.1	42.5	59.4	74.0		55.1	16.1	79.3		35.3	65.0	52.0	57.4

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	2		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	3,515	1,603	972	923		12,858	77,658	25,619		18,923	6,573	4,106	12,133
% individual or group of individuals	56.6	72.2	62.6	56.4		64.2	87.1	48.9		81.3	49.5	60.2	50.0
% allopathic and osteopathic physicians	15.7	20.5	44.0	25.8		35.1	56.8	21.3		53.1	24.3	32.2	28.3
% behavioral health and social service providers	15.9	13.1	2.5	13.3		7.0	4.7	9.4		1.6	5.3	4.4	1.2
% chiropractic providers	1.9	9.1	0.2	0.0		0.7	0.1	2.0		2.9	0.2	1.3	3.6
% dental providers	9.0	13.5	2.0	7.4		5.7	6.1	5.8		4.3	5.8	3.4	5.6
% dietary and nutritional service providers	0.1	0.1	0.0	0.0		0.1	0.0	0.0		0.0	0.5	0.0	0.1
% emergency medical service providers	0.1	0.0	0.0	0.1		0.1	0.0	0.0		0.2	0.2	0.1	0.2
% eye and vision service providers	2.5	4.8	4.3	2.3		2.2	1.9	2.5		2.8	4.3	3.0	2.7
% nursing service providers	0.1	0.2	0.1	0.1		0.4	2.9	0.1		3.6	0.3	3.8	0.2
% nursing service-related providers	0.0	0.0	0.2	0.0		0.2	0.0	0.6		2.5	0.4	0.0	0.0
% other service providers	1.1	1.9	3.3	1.8		3.0	3.5	2.8		3.0	2.2	5.5	2.1
% pharmacy service providers	0.1	0.4	0.0	0.3		0.1	0.3	0.2		0.0	0.3	0.0	0.2
% physician assistants and advanced practice nursing providers	3.8	3.1	1.7	0.8		4.3	6.2	0.7		3.2	2.5	2.5	0.6
% podiatric medicine and surgery service providers	0.5	1.7	1.3	0.9		0.8	1.9	0.7		3.0	0.5	1.6	3.2
% respiratory, developmental, rehabilitative, and restorative service providers	3.5	2.5	1.9	2.6		2.3	1.8	1.1		0.8	0.9	1.2	1.1
% speech, language, and hearing service providers	2.1	1.2	0.9	1.1		1.6	0.3	1.6		0.1	1.8	0.6	0.9
% student health care	0.1	0.0	0.0	0.0		0.1	0.4	0.0		0.1	0.0	0.0	0.0
% technologists, technicians, and other technical service providers	0.1	0.0	0.1	0.0		0.4	0.0	0.1		0.1	0.1	0.1	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	0.0
% nonindividuals	43.4	27.8	37.4	43.6		35.8	12.9	51.1		18.7	50.5	39.8	50.0
% agencies	11.5	3.3	5.1	6.5		5.6	2.1	16.2		4.5	11.3	5.2	8.8
% ambulatory health care facilities	3.2	5.0	10.7	5.4		4.6	1.2	6.1		4.3	6.2	10.2	8.7
% hospital units	0.1	0.1	0.0	0.2		0.1	0.1	0.1		0.0	0.3	0.1	0.3
% hospitals	4.0	0.9	4.7	1.4		5.6	1.1	2.9		0.9	6.1	3.1	6.1
% laboratories	2.0	0.3	0.5	0.4		2.8	0.1	0.5		0.7	2.0	2.0	1.4
% managed care organizations	0.1	0.1	0.6	0.0		0.1	0.1	0.3		0.0	0.1	0.1	0.0
% nursing and custodial care facilities	4.3	3.9	0.6	0.7		1.2	0.7	5.1		0.3	0.8	1.2	2.1
% residential treatment facilities	0.5	0.2	0.7	1.0		0.3	0.2	4.1		0.0	1.0	2.2	0.3
% respite care facility	0.0	0.0	0.0	0.5		0.0	0.0	0.1		0.0	0.0	0.0	0.0
% suppliers	14.4	10.7	12.3	25.8		11.7	6.5	14.7		3.5	19.4	12.5	15.2
% transportation services	3.2	3.2	2.1	1.6		3.7	0.9	1.1		4.3	3.2	3.2	7.0
% nonmedical	0.0	0.0	0.0	0.0		0.0	0.0	0.1		0.0	0.0	0.0	0.0

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	1,982	940	395	253		5,855	66,265	5,341		12,380	2,305	2,018	5,252
% a sole proprietorship	43.7	37.0	37.0	54.5		34.2	30.1	52.3		30.1	47.5	46.3	43.1
% not a sole proprietorship	51.3	56.1	63.0	42.3		58.7	61.5	40.9		63.0	46.2	45.2	46.3
% not answered	4.9	6.9	0.0	3.2		7.2	8.3	6.8		6.8	6.2	8.5	10.6
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	1,637	696	577	720		7,293	12,808	20,853		6,776	4,373	2,209	7,142
% organization is a subpart	11.5	16.1	13.5	16.1		11.5	9.9	10.3		9.7	14.2	10.9	11.3
% organization is not a subpart	68.2	70.7	86.5	61.9		73.8	68.7	71.0		75.4	68.3	73.3	71.7
% not answered	20.3	13.2	0.0	21.9		14.7	21.4	18.8		14.9	17.5	15.8	17.0

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
OT Providers												
Number of provider IDs	7,594	9,934	8,463	27,080	98,470		4,062	33,877	9,573	5,986	34,286	3,412
% 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
% servicing provider on OT claim	76.9	55.5	80.1	89.5	82.9		63.8	0.0	87.1	65.0	93.7	63.3
% NPI servicing provider on OT claim	15.6	0.0	0.0	0.0	54.4		0.0	91.7	0.4	0.0	51.5	0.0
% also a provider on IP claim	13.9	1.6	0.0	2.9	0.8		1.8	2.6	2.3	3.0	1.2	3.3
% also a provider on LT claim	0.1	0.1	0.0	1.2	1.0		0.3	0.2	1.1	0.0	1.2	0.8
% also a provider on RX claim	8.1	29.2	0.2	0.2	1.8		28.8	50.1	9.5	0.0	55.2	12.4
% provider IDs with NPI	18.4	23.1	53.7	83.0	56.8		74.7	92.1	83.5	71.2	53.6	39.0
% provider IDs linked to NPPES	18.4	23.1	53.7	83.0	56.5		74.7	87.1	83.5	71.2	53.6	39.0
% 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
average number of OT claims	951.7	3,991.7	438.8	2,900.0	2726.0		2107.2	1,081.3	5,571.0	2,698.1	1733.2	860.3
average number of beneficiaries with OT claims	164.4	496.9	102.3	488.0	405.0		260.7	210.4	556.8	312.8	297.8	111.2
Provider IDs with NPI												
Number of provider IDs with NPI	1,394	2,290	4,543	22,466	55,937		3,033	31,204	7,996	4,264	18,364	1,329
% NPI source = MSIS	87.7	91.6	68.5	100.0	99.4		83.7	99.6	100.0	79.6	96.6	78.6
% NPI source = NPPES	12.3	8.4	31.5	0.0	0.3		16.3	0.4	0.0	20.4	3.4	21.4
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.3		0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	1,394	2,290	4,541	22,466	55,625		3,033	29,512	7,990	4,264	18,364	1,329
% linked via NPI	87.7	91.6	68.4	100.0	99.7		83.7	99.6	100.0	79.6	96.6	78.6
% linked via Medicaid legacy provider ID	6.9	7.9	31.5	0.0	0.3		16.3	0.4	0.0	20.4	3.4	21.4
% linked via Medicare UPIN	5.5	0.5	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	23.0	49.0	19.4	41.4	34.5		40.2	36.0	17.8	16.8	26.5	24.5
% with first name	39.9	76.2	60.1	86.6	73.4		71.4	74.7	29.4	26.9	64.7	42.6
% with middle name	32.1	67.0	51.2	70.6	55.1		54.8	58.7	25.6	23.7	53.2	37.4
% with last name	39.9	76.2	60.1	86.6	73.4		71.4	74.7	29.4	26.9	64.7	42.6
% with name suffix	2.4	9.3	0.9	5.2	2.9		1.5	3.7	0.6	2.3	0.7	1.8
% male	29.9	59.1	38.3	56.7	45.0		32.3	47.7	20.8	21.4	34.2	26.2
% female	10.0	17.1	21.8	29.8	28.4		39.1	27.0	8.6	5.4	30.5	16.4
% with credential	39.0	74.1	58.6	85.0	71.1		69.8	72.3	28.6	26.1	61.6	36.3
% with business name	59.6	23.3	39.9	13.0	26.1		28.3	24.9	70.2	72.7	34.8	56.8
% with address line 1	99.5	99.5	99.9	99.6	99.5		99.7	99.6	99.6	99.5	99.5	99.4
% with city	99.5	99.5	99.9	99.6	99.5		99.7	99.6	99.6	99.5	99.5	99.4
% with state	99.5	99.5	99.9	99.6	99.5		99.7	99.6	99.6	99.5	99.5	99.4
% state = OT state code	83.6	84.7	73.2	86.1	94.6		79.3	75.9	87.6	72.3	78.7	71.3
% with zip code	99.5	99.5	99.9	99.6	99.5		99.7	99.6	99.6	99.5	99.5	99.4
% with primary taxonomy	97.1	98.4	98.2	98.2	97.7		95.6	97.6	98.3	98.0	97.6	96.2
% with provider entity type = individual	39.9	76.2	60.1	86.6	73.4		71.4	74.7	29.4	26.9	64.7	42.6
% with provider entity type = organization	59.6	23.3	39.9	13.0	26.1		28.3	24.9	70.2	72.7	34.8	56.8

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	1,353	2,253	4,461	22,064	54,373		2,901	28,800	7,855	4,179	17,923	1,278
% individual or group of individuals	49.4	85.1	70.9	89.2	76.7		80.2	79.8	56.2	44.7	70.7	55.8
% allopathic and osteopathic physicians	24.5	45.1	37.3	54.4	48.3		33.7	57.5	22.6	22.6	24.9	17.2
% behavioral health and social service providers	4.1	0.9	4.8	3.5	6.9		23.8	7.5	2.2	2.4	12.7	3.7
% chiropractic providers	0.9	0.2	4.1	0.5	0.6		3.0	0.1	0.6	2.1	4.9	1.2
% dental providers	9.7	24.1	0.6	4.7	4.7		5.7	4.4	13.1	8.3	4.4	13.5
% dietary and nutritional service providers	0.0	0.0	0.1	0.0	0.2		0.1	0.0	0.1	0.0	0.0	0.2
% emergency medical service providers	0.1	0.0	0.1	0.0	0.0		0.0	0.1	0.0	0.0	0.2	0.2
% eye and vision service providers	4.1	7.4	2.9	2.9	2.0		1.9	2.1	4.9	2.7	2.8	5.0
% nursing service providers	0.7	0.0	0.1	0.2	0.2		1.0	0.1	0.5	0.0	0.4	1.0
% nursing service-related providers	0.1	0.0	0.1	0.0	0.1		0.1	0.0	0.0	0.5	0.0	0.1
% other service providers	1.3	4.3	1.2	3.5	2.3		1.7	3.1	3.7	2.9	0.8	6.3
% pharmacy service providers	0.0	0.0	0.1	0.0	0.1		0.0	0.2	0.1	0.3	0.1	0.1
% physician assistants and advanced practice nursing providers	0.4	0.9	14.3	14.8	5.9		4.7	2.5	1.9	0.3	10.8	1.7
% podiatric medicine and surgery service providers	2.8	1.6	0.7	0.8	0.9		0.6	1.1	1.5	1.1	0.5	0.8
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	0.2	3.1	2.3	1.9		2.4	0.4	3.5	1.0	6.5	2.4
% speech, language, and hearing service providers	0.4	0.3	1.5	1.1	2.2		1.4	0.4	1.5	0.4	1.7	2.3
% student health care	0.0	0.0	0.0	0.3	0.2		0.0	0.3	0.0	0.0	0.1	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.1		0.1	0.1	0.1	0.1	0.1	0.2
% 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	0.0
% nonindividuals	50.6	14.9	29.1	10.8	23.3		19.8	20.2	43.8	55.3	29.3	44.2
% agencies	12.8	3.8	5.7	1.3	6.2		3.6	4.1	5.6	12.0	4.9	12.1
% ambulatory health care facilities	4.0	1.4	4.8	0.8	3.6		3.1	2.0	10.8	6.1	3.8	6.4
% hospital units	0.1	0.1	0.0	0.0	0.1		0.2	0.0	0.1	0.1	0.0	0.0
% hospitals	3.5	7.0	2.7	3.3	2.0		3.2	3.2	6.1	7.6	5.2	9.7
% laboratories	1.0	0.0	0.9	0.5	0.5		1.2	0.7	1.5	4.8	0.9	1.0
% managed care organizations	0.0	0.0	0.0	0.0	0.1		0.1	0.1	0.1	0.1	0.0	0.1
% nursing and custodial care facilities	2.5	1.3	3.0	1.3	2.2		1.7	0.2	0.1	0.3	2.2	2.3
% residential treatment facilities	1.3	0.1	0.6	0.1	0.1		0.3	0.8	0.4	0.9	0.1	0.5
% respite care facility	0.2	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.5
% suppliers	20.6	1.2	7.5	2.5	6.7		2.6	8.0	16.6	17.3	9.6	8.2
% transportation services	4.5	0.0	3.9	0.9	1.8		3.8	1.1	2.4	6.2	2.5	3.4
% nonmedical	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX OT Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	556	1,745	2,728	19,450	40,835		2,167	22,040	2,352	1,145	11,888	566
% a sole proprietorship	54.0	36.2	11.4	19.1	29.6		45.3	16.9	55.4	57.0	13.1	58.7
% not a sole proprietorship	36.7	55.6	83.3	73.4	66.1		48.5	76.2	35.8	34.8	78.5	36.4
% not answered	9.4	8.2	5.3	7.5	4.4		6.1	7.0	8.8	8.1	8.4	4.9
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	831	534	1,810	2,921	14,494		857	7,357	5,609	3,099	6,391	755
% organization is a subpart	10.0	7.7	9.7	11.4	12.1		6.8	9.9	13.6	9.6	16.2	9.1
% organization is not a subpart	65.8	70.8	69.0	72.9	68.2		57.5	73.7	69.4	70.8	69.0	71.4
% not answered	24.2	21.5	21.4	15.7	19.7		35.7	16.4	17.0	19.6	14.7	19.5

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
RX Providers													
Number of provider IDs	2,819	182	2,354	1,683	20,556	23,096	2,580	275	463	8,345	4,828	479	
% billing provider on RX claim	50.3	100.0	50.0	50.1	100.0	3.7	58.8	100.0	50.1	50.2	98.0	50.7	
% prescribing provider on RX claim	0.0	0.0	4.5	0.0	3.7	0.4	28.6	0.0	2.4	15.5	34.4	0.2	
% NPI billing provider on RX claim	49.7	100.0	50.0	49.9	98.7	96.3	41.2	100.0	49.9	49.8	47.3	49.3	
% also a provider on IP claim	0.0	0.0	0.7	0.0	0.2	0.0	0.0	0.4	0.0	0.2	0.2	4.0	
% 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	2.1	
% also a provider on OT claim	19.5	43.4	9.1	20.0	4.8	61.1	61.4	48.0	44.3	37.9	61.6	68.3	
% provider IDs with NPI	100.0	100.0	100.0	100.0	98.8	99.4	100.0	100.0	99.6	99.8	97.9	96.7	
% provider IDs linked to NPPES	100.0	100.0	100.0	100.0	35.5	99.2	100.0	100.0	99.6	99.7	97.5	96.7	
% 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 RX claims	6779.5	6,166.0	11293.0	5,915.9	3,517.6	384.1	7,499.0	7,795.1	4727.3	6,304.0	4,373.0	9273.7	
average number of beneficiaries with RX claims	666.3	613.1	1362.8	819.6	423.2	60.3	609.8	872.7	306.3	659.8	678.1	1137.6	
Provider IDs with NPI													
Number of provider IDs with NPI	2,819	182	2,354	1,683	20,310	22,964	2,579	275	461	8,326	4,725	463	
% NPI source = MSIS	100.0	100.0	100.0	100.0	99.9	96.9	99.8	100.0	100.0	100.0	99.8	100.0	
% NPI source = NPPES	0.0	0.0	0.0	0.0	0.1	3.1	0.2	0.0	0.0	0.0	0.2	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	2,819	182	2,354	1,683	7,305	22,922	2,579	275	461	8,322	4,709	463	
% linked via NPI	100.0	100.0	100.0	100.0	99.8	96.9	99.8	100.0	100.0	100.0	99.8	100.0	
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	0.0	0.1	3.1	0.2	0.0	0.0	0.0	0.2	0.0	
% 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	
% with name prefix	0.2	1.6	0.1	0.4	0.5	42.8	1.4	0.0	0.0	0.3	0.3	0.9	
% with first name	0.4	1.6	0.2	0.6	0.9	94.4	2.1	0.0	0.2	0.4	0.4	1.1	
% with middle name	0.3	1.1	0.1	0.6	0.7	73.0	1.8	0.0	0.2	0.3	0.4	0.9	
% with last name	0.4	1.6	0.2	0.6	0.9	94.4	2.1	0.0	0.2	0.4	0.4	1.1	
% with name suffix	0.1	0.0	0.0	0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.1	0.0	
% male	0.4	1.1	0.1	0.6	0.6	53.9	1.3	0.0	0.2	0.4	0.3	0.9	
% female	0.0	0.5	0.1	0.0	0.3	40.5	0.8	0.0	0.0	0.0	0.1	0.2	
% with credential	0.3	1.6	0.2	0.5	0.7	91.5	1.5	0.0	0.2	0.3	0.4	0.9	
% with business name	98.9	96.7	99.3	98.9	98.5	5.2	96.9	98.5	98.0	98.2	99.0	98.5	
% with address line 1	99.2	98.4	99.5	99.5	99.4	99.5	99.0	98.5	98.3	98.5	99.4	99.6	
% with city	99.2	98.4	99.5	99.5	99.4	99.5	99.0	98.5	98.3	98.5	99.4	99.6	
% with state	99.2	98.4	99.5	99.5	99.4	99.5	99.0	98.5	98.3	98.5	99.4	99.6	
% state = RX state code	92.0	67.0	89.4	87.8	78.4	76.1	83.4	66.2	49.0	97.8	94.7	95.2	
% with zip code	99.2	98.4	99.5	99.5	99.4	99.5	99.0	98.5	98.3	98.5	99.4	99.6	
% with primary taxonomy	96.6	94.5	99.2	98.6	98.5	98.7	95.7	97.1	96.5	97.7	98.2	97.0	
% with provider entity type = individual	0.4	1.6	0.2	0.6	0.9	94.4	2.1	0.0	0.2	0.4	0.4	1.1	
% with provider entity type = organization	98.9	96.7	99.3	98.9	98.5	5.2	96.9	98.5	98.0	98.2	99.0	98.5	

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	2,723	172	2,334	1,659	7,193	22,625	2,468	267	445	8,130	4,622	449	
% individual or group of individuals	7.3	5.2	0.7	8.0	3.5	95.6	3.9	1.9	1.1	1.7	4.2	2.4	
% allopathic and osteopathic physicians	0.1	1.7	0.0	0.0	0.3	58.4	0.2	0.0	0.2	0.3	0.1	1.1	
% behavioral health and social service providers	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	
% chiropractic 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	
% dental providers	0.0	0.0	0.0	0.0	0.0	10.2	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	0.1	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	2.1	0.2	0.0	0.0	0.0	0.0	0.0	
% nursing service providers	0.0	0.0	0.0	0.0	0.0	0.6	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	
% other service providers	0.0	0.6	0.0	0.0	0.0	3.0	0.2	0.0	0.0	0.0	0.0	0.0	
% pharmacy service providers	7.2	2.9	0.7	7.9	3.2	0.1	0.4	1.9	0.9	1.3	4.0	1.3	
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	0.0	0.0	16.8	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	0.6	0.2	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	0.3	0.2	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	2.4	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	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	
% 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	0.0	0.0	
% nonindividuals	92.7	94.8	99.3	92.0	96.5	4.4	96.1	98.1	98.9	98.3	95.8	97.6	
% agencies	0.1	0.0	0.2	0.1	0.1	0.0	0.1	0.0	0.4	0.2	0.2	0.0	
% ambulatory health care facilities	0.4	1.2	0.5	0.0	0.8	0.2	0.1	0.0	0.0	0.2	0.2	3.1	
% 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	
% hospitals	0.0	0.6	0.6	0.0	0.1	0.1	0.0	0.4	0.0	0.0	0.4	3.6	
% 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	
% managed care organizations	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	1.3	
% nursing and custodial care facilities	0.0	0.6	0.0	0.0	0.0	0.0	0.1	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	0.0	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	
% suppliers	92.1	92.4	97.9	91.7	95.2	4.0	95.9	97.8	98.4	97.7	95.0	89.5	
% 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	
% 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	

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	3	4	10	67	21,636	53	0	1	32	18	5	
% a sole proprietorship	80.0	66.7	50.0	40.0	77.6	16.2	49.1	0.0	0.0	37.5	83.3	20.0	
% not a sole proprietorship	0.0	33.3	50.0	60.0	19.4	77.8	50.9	0.0	100.0	62.5	16.7	80.0	
% not answered	20.0	0.0	0.0	0.0	3.0	6.0	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	2,787	176	2,338	1,665	7,196	1,182	2,500	271	452	8,169	4,663	456	
% organization is a subpart	21.0	27.8	37.8	33.3	26.1	32.9	17.5	35.4	7.1	28.5	19.9	15.4	
% organization is not a subpart	66.8	60.2	60.7	55.0	69.4	59.6	74.9	59.0	88.5	67.6	71.9	72.8	
% not answered	12.3	11.9	1.5	11.7	4.6	7.5	7.6	5.5	4.4	3.9	8.2	11.8	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
RX Providers													
Number of provider IDs	3,774	2,742	13,097		2,731	2,408		2,643	2,534	16,106	2,939	1,756	5,623
% billing provider on RX claim	26.6	49.7	7.7		51.0	49.5		52.3	50.2	90.2	50.0	50.3	51.3
% prescribing provider on RX claim	0.7	0.7	0.0		1.9	0.0		1.9	0.6	16.8	5.7	0.0	4.1
% NPI billing provider on RX claim	73.4	50.3	92.3		49.0	50.5		47.7	49.8	57.6	50.0	49.7	48.7
% also a provider on IP claim	1.0	0.3	0.4		0.0	0.0		0.5	0.2	0.6	0.5	0.1	7.2
% also a provider on LT claim	0.1	0.0	0.0		0.0	0.0		0.3	0.0	0.3	0.3	0.0	0.0
% also a provider on OT claim	72.1	82.1	89.1		53.4	1.7		20.7	1.5	44.3	80.5	14.3	71.7
% provider IDs with NPI	96.7	100.0	97.2		99.2	51.5		99.6	100.0	75.0	99.6	99.3	94.9
% provider IDs linked to NPPES	96.7	100.0	97.2		99.2	50.8		99.6	100.0	67.5	99.6	99.3	94.9
% 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
average number of RX claims	13992.4	10,531.0	659.4		9,864.0	10914.8		4,641.3	8196.1	1,316.1	12060.1	6,612.8	5,333.4
average number of beneficiaries with RX claims	1480.8	972.2	88.0		1,146.4	1403.0		458.7	678.4	168.1	651.9	891.0	523.7
Provider IDs with NPI													
Number of provider IDs with NPI	3,648	2,742	12,736		2,710	1,241		2,632	2,533	12,080	2,927	1,743	5,336
% NPI source = MSIS	100.0	99.1	95.1		100.0	99.8		100.0	100.0	86.6	99.4	99.9	96.7
% NPI source = NPPES	0.0	0.2	4.9		0.0	0.2		0.0	0.0	13.4	0.6	0.1	3.3
% 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
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	3,648	2,742	12,735		2,710	1,223		2,632	2,533	10,868	2,926	1,743	5,334
% linked via NPI	100.0	99.8	95.1		100.0	99.8		100.0	100.0	85.1	99.4	99.9	96.7
% linked via Medicaid legacy provider ID	0.0	0.2	4.9		0.0	0.0		0.0	0.0	14.8	0.6	0.1	3.3
% linked via Medicare UPIN	0.0	0.0	0.0		0.0	0.2		0.0	0.0	0.1	0.0	0.0	0.0
% with name prefix	0.3	0.0	34.5		0.8	1.3		0.0	0.0	6.6	0.0	0.8	2.9
% with first name	0.5	0.0	90.7		1.5	2.1		0.0	0.0	13.6	0.0	0.9	5.5
% with middle name	0.4	0.0	76.1		1.3	1.6		0.0	0.0	9.7	0.0	0.8	5.0
% with last name	0.5	0.0	90.7		1.5	2.1		0.0	0.0	13.6	0.0	0.9	5.5
% with name suffix	0.0	0.0	1.6		0.1	0.2		0.0	0.0	0.3	0.0	0.2	0.3
% male	0.4	0.0	59.8		1.1	1.6		0.0	0.0	8.0	0.0	0.9	3.9
% female	0.2	0.0	30.9		0.4	0.6		0.0	0.0	5.6	0.0	0.0	1.6
% with credential	0.5	0.0	89.7		1.5	2.0		0.0	0.0	13.4	0.0	0.8	5.4
% with business name	98.8	99.4	8.7		97.6	97.1		99.4	99.0	86.1	98.5	98.6	94.2
% with address line 1	99.4	99.4	99.4		99.2	99.2		99.4	99.0	99.8	98.5	99.5	99.7
% with city	99.4	99.4	99.4		99.2	99.2		99.4	99.0	99.8	98.5	99.5	99.7
% with state	99.4	99.4	99.4		99.2	99.2		99.4	99.0	99.8	98.5	99.5	99.7
% state = RX state code	82.2	86.6	63.4		84.2	94.2		88.7	95.0	61.5	75.4	90.7	89.8
% with zip code	99.4	99.4	99.4		99.2	99.2		99.4	99.0	99.8	98.5	99.5	99.7
% with primary taxonomy	97.9	98.7	98.4		97.5	97.5		96.7	97.8	99.1	97.3	98.0	98.7
% with provider entity type = individual	0.5	0.0	90.7		1.5	2.1		0.0	0.0	13.6	0.0	0.9	5.5
% with provider entity type = organization	98.8	99.4	8.7		97.6	97.1		99.4	99.0	86.1	98.5	98.6	94.2

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	0	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	3,570	2,706	12,535		2,643	1,192		2,544	2,477	10,766	2,848	1,709	5,262
% individual or group of individuals	3.6	1.1	93.2		3.4	7.0		1.8	0.6	28.4	2.2	8.1	27.2
% allopathic and osteopathic physicians	0.1	0.1	68.6		1.3	1.5		0.0	0.1	24.5	0.0	0.0	22.9
% behavioral health and social service providers	0.0	0.0	0.1		0.1	0.0		0.0	0.0	0.2	0.0	0.0	0.0
% chiropractic providers	0.0	0.0	0.0		0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% dental providers	0.0	0.0	9.0		0.2	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
% 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
% eye and vision service providers	0.0	0.0	3.3		0.0	0.1		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	0.1	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
% other service providers	0.0	0.0	0.9		0.1	0.0		0.0	0.0	1.0	0.0	0.0	1.5
% pharmacy service providers	3.5	1.0	0.3		1.6	5.4		1.8	0.5	1.1	2.2	8.1	1.7
% physician assistants and advanced practice nursing providers	0.0	0.0	9.3		0.2	0.1		0.0	0.0	1.3	0.0	0.0	0.5
% podiatric medicine and surgery service providers	0.0	0.0	1.4		0.0	0.0		0.0	0.0	0.2	0.0	0.0	0.4
% 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
% 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
% student health care	0.0	0.0	0.2		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
% 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	0.0
% nonindividuals	96.4	98.9	6.8		96.6	93.0		98.2	99.4	71.6	97.8	91.9	72.8
% agencies	0.6	0.2	0.1		0.3	0.3		0.1	0.3	1.2	0.1	0.2	2.3
% ambulatory health care facilities	0.1	0.3	0.8		0.2	0.0		0.1	1.3	3.4	0.2	0.1	14.7
% hospital units	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.2
% hospitals	0.4	0.6	0.4		0.4	0.1		0.2	0.4	0.5	0.6	0.5	3.8
% laboratories	0.0	0.0	0.0		0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% managed care organizations	0.1	0.1	0.0		0.0	0.0		0.1	0.0	0.1	0.0	0.0	0.2
% nursing and custodial care facilities	0.0	0.0	0.0		0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% residential treatment facilities	0.0	0.0	0.0		0.1	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
% suppliers	95.3	97.7	5.6		95.4	92.6		97.8	97.4	66.2	96.9	90.9	51.7
% transportation services	0.0	0.0	0.0		0.1	0.0		0.0	0.0	0.0	0.0	0.1	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

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	20	0	11,556		41	26		0	0	1,482	0	16	294
% a sole proprietorship	80.0	0.0	10.2		14.6	53.8		0.0	0.0	13.2	0.0	75.0	50.0
% not a sole proprietorship	20.0	0.0	80.3		85.4	46.2		0.0	0.0	77.5	0.0	12.5	43.2
% not answered	0.0	0.0	9.5		0.0	0.0		0.0	0.0	9.2	0.0	12.5	6.8
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,606	2,726	1,103		2,646	1,187		2,616	2,507	9,360	2,881	1,719	5,025
% organization is a subpart	31.4	28.4	18.7		19.2	25.6		12.1	19.4	30.2	25.9	32.0	28.6
% organization is not a subpart	60.3	67.5	71.0		74.8	66.4		80.8	76.1	63.9	68.9	52.6	64.0
% not answered	8.3	4.1	10.3		6.0	8.0		7.1	4.5	5.9	5.2	15.4	7.4

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RX Providers													
Number of provider IDs	708	581	1,047	680		6,834	9,538	4,343		7,704	2,149	1,497	7,615
% billing provider on RX claim	50.0	100.0	50.0	50.3		53.4	50.0	50.1		45.8	50.0	50.6	51.3
% prescribing provider on RX claim	0.0	0.0	8.3	0.0		0.5	1.2	0.9		0.1	0.0	11.6	1.8
% NPI billing provider on RX claim	50.0	0.0	50.0	49.7		46.6	50.0	49.9		54.2	50.0	49.4	48.7
% also a provider on IP claim	0.7	2.6	0.1	0.0		0.0	0.6	0.1		1.8	0.0	0.9	0.0
% also a provider on LT claim	0.3	1.0	0.1	0.0		0.0	0.3	0.0		0.0	0.0	0.9	0.0
% also a provider on OT claim	29.7	78.7	33.4	36.3		9.8	96.9	83.3		73.7	36.2	29.1	41.5
% provider IDs with NPI	100.0	25.5	99.9	94.6		99.9	99.3	100.0		95.6	99.9	99.2	99.9
% provider IDs linked to NPPES	100.0	25.5	99.9	94.6		99.9	99.3	100.0		12.0	99.9	99.2	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		0.0	0.0	0.0	0.0
average number of RX claims	2953.4	5,077.4	3444.8	4343.6		1,455.2	12,764.2	7,264.3		7231.9	6,051.5	5,694.1	2467.4
average number of beneficiaries with RX claims	285.9	539.1	257.6	430.9		167.8	1,111.3	805.5		716.7	833.9	508.1	218.0
Provider IDs with NPI													
Number of provider IDs with NPI	708	148	1,046	643		6,830	9,476	4,343		7,366	2,147	1,485	7,608
% NPI source = MSIS	100.0	0.0	99.9	72.9		100.0	99.4	99.9		91.8	99.8	99.7	100.0
% NPI source = NPPES	0.0	100.0	0.1	27.1		0.0	0.6	0.0		8.2	0.2	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
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	708	148	1,046	643		6,830	9,476	4,343		924	2,147	1,485	7,608
% linked via NPI	100.0	0.0	99.9	72.9		100.0	99.4	100.0		34.7	99.8	99.7	100.0
% linked via Medicaid legacy provider ID	0.0	100.0	0.1	27.1		0.0	0.6	0.0		65.3	0.2	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	0.1	0.0
% with name prefix	0.3	1.4	0.2	0.0		0.0	1.1	0.0		0.5	0.1	0.3	2.0
% with first name	0.3	4.1	0.4	0.0		0.1	2.2	0.1		1.9	0.1	0.6	3.8
% with middle name	0.3	3.4	0.2	0.0		0.1	0.9	0.1		1.9	0.1	0.6	3.0
% with last name	0.3	4.1	0.4	0.0		0.1	2.2	0.1		1.9	0.1	0.6	3.8
% with name suffix	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.1
% male	0.3	2.0	0.4	0.0		0.0	1.3	0.1		0.4	0.1	0.6	2.9
% female	0.0	2.0	0.0	0.0		0.0	0.9	0.0		1.5	0.0	0.0	0.9
% with credential	0.3	4.1	0.4	0.0		0.1	2.0	0.1		1.6	0.1	0.3	3.8
% with business name	98.9	95.9	98.9	99.7		99.7	96.9	99.8		98.1	98.6	98.6	95.7
% with address line 1	99.2	100.0	99.2	99.7		99.8	99.1	99.9		100.0	98.7	99.2	99.5
% with city	99.2	100.0	99.2	99.7		99.8	99.1	99.9		100.0	98.7	99.2	99.5
% with state	99.2	100.0	99.2	99.7		99.8	99.1	99.9		100.0	98.7	99.2	99.5
% state = RX state code	75.1	87.2	84.8	76.7		16.1	97.0	93.0		94.2	81.1	89.9	94.8
% with zip code	99.2	100.0	99.2	99.7		99.8	99.1	99.9		100.0	98.7	99.2	99.5
% with primary taxonomy	97.2	100.0	98.6	99.1		99.3	97.4	96.3		95.7	95.2	96.6	97.9
% with provider entity type = individual	0.3	4.1	0.4	0.0		0.1	2.2	0.1		1.9	0.1	0.6	3.8
% with provider entity type = organization	98.9	95.9	98.9	99.7		99.7	96.9	99.8		98.1	98.6	98.6	95.7

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		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	688	148	1,031	637		6,783	9,225	4,183		884	2,044	1,435	7,449
% individual or group of individuals	2.0	6.8	1.7	1.9		0.8	7.4	2.5		4.8	4.4	2.6	17.3
% allopathic and osteopathic physicians	0.0	0.0	0.6	0.0		0.1	2.0	0.0		0.8	0.0	0.1	13.5
% behavioral health and social service providers	0.0	0.0	0.0	0.0		0.0	0.0	0.0		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
% dental providers	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
% 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
% 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
% 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
% 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
% other service providers	0.0	0.0	0.0	0.0		0.0	0.2	0.0		0.1	0.0	0.0	0.8
% pharmacy service providers	2.0	6.1	1.2	1.9		0.7	5.1	2.5		1.0	4.4	2.5	2.7
% physician assistants and advanced practice nursing providers	0.0	0.7	0.0	0.0		0.1	0.0	0.0		0.3	0.0	0.0	0.3
% 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
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.2	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		2.3	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
% 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
% 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	0.0
% nonindividuals	98.0	93.2	98.3	98.1		99.2	92.6	97.5		95.2	95.6	97.4	82.7
% agencies	0.6	0.7	0.2	0.0		0.0	0.2	0.2		1.9	0.5	0.1	0.4
% ambulatory health care facilities	0.9	0.0	0.2	0.0		0.7	0.1	0.2		1.8	1.3	0.3	2.5
% hospital units	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0
% hospitals	1.5	0.0	0.4	0.3		0.0	0.4	0.1		2.8	0.2	0.1	0.1
% laboratories	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	0.0		0.0	0.0	0.1	0.0
% nursing and custodial care facilities	0.6	0.0	0.4	0.0		0.0	0.0	0.0		0.2	0.0	0.0	0.0
% 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
% 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
% suppliers	94.5	92.6	97.1	97.8		98.5	91.8	96.8		88.5	93.7	96.7	79.7
% transportation services	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

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	6	4	0		5	213	5		18	2	9	286
% a sole proprietorship	0.0	33.3	100.0	0.0		100.0	43.7	100.0		55.6	100.0	66.7	29.7
% not a sole proprietorship	100.0	50.0	0.0	0.0		0.0	50.7	0.0		38.9	0.0	11.1	62.2
% not answered	0.0	16.7	0.0	0.0		0.0	5.6	0.0		5.6	0.0	22.2	8.0
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	700	142	1,034	641		6,810	9,182	4,334		906	2,118	1,464	7,282
% organization is a subpart	15.4	28.9	33.1	21.7		68.8	16.5	19.5		27.7	30.3	16.5	15.1
% organization is not a subpart	75.7	66.9	61.8	74.7		29.4	73.7	72.0		60.6	60.4	76.0	77.4
% not answered	8.9	4.2	5.1	3.6		1.7	9.8	8.5		11.7	9.3	7.5	7.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
RX Providers												
Number of provider IDs	233	19,952	408	15,542	8,744		486	1,768	2,609	1,559	1,406	5,401
% billing provider on RX claim	100.0	6.4	84.3	50.6	50.2		50.4	100.0	52.7	49.2	100.0	3.9
% prescribing provider on RX claim	17.2	93.8	0.0	0.0	0.0		0.4	3.1	15.8	0.0	6.4	0.0
% NPI billing provider on RX claim	96.6	93.6	15.7	49.4	49.8		49.6	100.0	47.3	50.8	99.8	96.1
% also a provider on IP claim	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.7	0.0	0.2	0.2
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.2	0.0	0.0	0.0
% also a provider on OT claim	78.1	65.3	7.1	1.0	20.7		4.7	90.1	67.2	35.4	86.2	62.7
% provider IDs with NPI	97.0	93.9	69.4	99.9	99.9		99.8	100.0	96.3	99.9	99.8	97.8
% provider IDs linked to NPPES	97.0	93.5	69.4	99.9	99.9		99.8	100.0	96.3	99.9	99.8	97.6
% 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
average number of RX claims	7743.5	410.3	2293.0	1,686.4	7835.7		9277.9	5,358.7	8,378.2	8,275.2	10426.5	212.8
average number of beneficiaries with RX claims	730.6	66.4	282.9	213.0	1137.1		756.2	542.5	642.5	630.7	970.8	36.3
Provider IDs with NPI												
Number of provider IDs with NPI	226	18,725	283	15,530	8,738		485	1,768	2,512	1,557	1,403	5,281
% NPI source = MSIS	99.6	99.9	45.6	100.0	99.9		99.8	100.0	100.0	100.0	100.0	98.5
% NPI source = NPPES	0.4	0.1	54.4	0.0	0.1		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
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	226	18,650	283	15,530	8,738		485	1,768	2,512	1,557	1,403	5,273
% linked via NPI	99.6	99.9	45.6	100.0	99.9		99.8	100.0	100.0	100.0	100.0	98.5
% linked via Medicaid legacy provider ID	0.4	0.1	54.4	0.0	0.1		0.2	0.0	0.0	0.0	0.0	1.5
% 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
% with name prefix	0.0	47.9	0.0	0.1	0.3		0.4	0.1	0.0	0.0	0.1	40.6
% with first name	0.0	97.6	0.0	0.1	0.6		0.4	0.2	0.0	0.0	0.1	95.6
% with middle name	0.0	82.1	0.0	0.1	0.5		0.4	0.2	0.0	0.0	0.1	75.7
% with last name	0.0	97.6	0.0	0.1	0.6		0.4	0.2	0.0	0.0	0.1	95.6
% with name suffix	0.0	7.4	0.0	0.0	0.0		0.0	0.1	0.0	0.0	0.0	2.0
% male	0.0	61.8	0.0	0.0	0.5		0.4	0.2	0.0	0.0	0.1	58.5
% female	0.0	35.8	0.0	0.0	0.1		0.0	0.1	0.0	0.0	0.0	37.1
% with credential	0.0	95.1	0.0	0.1	0.4		0.4	0.1	0.0	0.0	0.1	92.9
% with business name	99.1	1.8	99.3	99.5	99.1		99.2	99.0	99.1	99.5	98.4	3.8
% with address line 1	99.1	99.4	99.3	99.6	99.6		99.6	99.3	99.1	99.5	98.4	99.4
% with city	99.1	99.4	99.3	99.6	99.6		99.6	99.3	99.1	99.5	98.4	99.4
% with state	99.1	99.4	99.3	99.6	99.6		99.6	99.3	99.1	99.5	98.4	99.4
% state = RX state code	86.3	62.7	74.9	20.5	98.6		61.0	86.4	91.1	68.0	85.2	32.2
% with zip code	99.1	99.4	99.3	99.6	99.6		99.6	99.3	99.1	99.5	98.4	99.4
% with primary taxonomy	98.7	98.6	98.2	99.2	98.3		97.1	96.1	97.8	96.8	97.1	98.2
% with provider entity type = individual	0.0	97.6	0.0	0.1	0.6		0.4	0.2	0.0	0.0	0.1	95.6
% with provider entity type = organization	99.1	1.8	99.3	99.5	99.1		99.2	99.0	99.1	99.5	98.4	3.8

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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	223	18,395	278	15,400	8,591		471	1,699	2,457	1,507	1,362	5,178
% individual or group of individuals	2.2	99.3	3.2	1.1	2.7		3.6	3.1	2.0	3.5	2.4	97.2
% allopathic and osteopathic physicians	0.0	70.7	1.1	0.2	0.0		0.4	0.0	0.0	0.0	0.4	62.7
% behavioral health and social service providers	0.0	1.1	0.0	0.0	0.0		0.4	0.0	0.0	0.0	0.1	0.6
% chiropractic providers	0.0	0.2	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.1
% dental providers	0.0	7.2	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	6.6
% 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
% emergency medical service providers	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	0.0	1.8	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	2.3
% nursing service providers	0.0	0.2	0.4	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.4
% 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
% other service providers	0.0	2.9	0.4	0.0	0.0		0.0	0.0	0.0	0.0	0.1	2.0
% pharmacy service providers	1.8	0.2	1.4	0.8	2.6		2.8	3.1	2.0	3.5	1.9	1.1
% physician assistants and advanced practice nursing providers	0.0	13.1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	18.8
% podiatric medicine and surgery service providers	0.0	0.7	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	0.4	0.3	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.2
% speech, language, and hearing service providers	0.0	0.1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.0	0.7	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	1.9
% 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
% 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	0.0
% nonindividuals	97.8	0.7	96.8	98.9	97.3		96.4	96.9	98.0	96.5	97.6	2.8
% agencies	0.4	0.0	2.9	0.1	0.2		0.0	0.3	0.3	0.3	1.2	0.0
% ambulatory health care facilities	0.0	0.3	1.4	0.1	0.2		0.4	0.1	0.7	0.1	4.0	0.4
% hospital units	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% hospitals	0.0	0.1	1.1	0.1	0.1		0.0	0.4	0.2	0.0	0.4	0.2
% laboratories	0.0	0.0	0.0	0.0	0.1		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
% nursing and custodial care facilities	0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.0	0.0	0.0	0.0
% 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
% 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
% suppliers	97.3	0.1	91.4	98.7	96.7		96.0	96.0	96.8	96.2	91.9	2.1
% transportation services	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX RX Billing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	18,207	0	13	49		2	4	0	0	1	5,040
% a sole proprietorship	0.0	16.1	0.0	30.8	87.8		0.0	100.0	0.0	0.0	100.0	17.6
% not a sole proprietorship	0.0	79.0	0.0	53.8	8.2		100.0	0.0	0.0	0.0	0.0	77.2
% not answered	0.0	4.9	0.0	15.4	4.1		0.0	0.0	0.0	0.0	0.0	5.1
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	224	333	281	15,455	8,655		481	1,751	2,490	1,549	1,380	199
% organization is a subpart	18.3	7.5	20.6	61.1	30.8		15.0	20.3	22.8	14.5	32.0	10.1
% organization is not a subpart	79.5	67.9	72.6	37.3	63.5		78.4	71.4	71.3	77.4	61.7	75.4
% not answered	2.2	24.6	6.8	1.6	5.6		6.7	8.2	5.9	8.1	6.3	14.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
RX Providers													
Number of provider IDs	13,834	3,113	35,862	8,741	389,535	13,899	29,269	5,533	2,741	125,474	34,172	1,840	
% billing provider on RX claim	0.0	0.0	0.3	0.0	0.2	0.6	0.0	0.0	0.4	0.0	4.8	0.1	
% 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	0.0	0.0	0.0	0.0	0.2	0.0	2.5	0.0	0.0	1.0	4.8	0.0	
% also a provider on IP claim	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.8	0.1	0.2	0.1	
% also a provider on LT claim	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	
% also a provider on OT claim	0.0	90.0	41.1	77.7	27.4	87.1	38.6	63.3	90.3	26.7	53.6	19.1	
% provider IDs with NPI	4.2	87.6	43.9	65.7	13.3	90.2	39.1	60.2	32.1	26.8	55.0	3.0	
% provider IDs linked to NPPES	4.2	87.6	43.9	65.7	9.4	90.2	39.1	60.2	32.1	26.8	55.0	3.0	
% 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 RX claims	690.7	341.2	428.9	550.4	194.2	350.7	589.6	387.4	419.9	298.1	795.3	136.4	
average number of beneficiaries with RX claims	105.1	58.3	79.1	117.6	33.9	65.0	74.3	74.3	36.4	49.9	126.9	29.0	
Provider IDs with NPI													
Number of provider IDs with NPI	578	2,728	15,760	5,739	51,843	12,543	11,452	3,332	880	33,679	18,806	55	
% NPI source = MSIS	0.0	95.2	92.0	78.7	66.3	93.8	99.8	99.6	64.7	99.9	99.9	83.6	
% NPI source = NPPES	100.0	4.8	8.0	21.3	33.7	6.2	0.2	0.4	35.3	0.1	0.1	16.4	
% 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	578	2,728	15,760	5,739	36,551	12,543	11,452	3,332	880	33,677	18,806	55	
% linked via NPI	0.0	95.2	92.0	78.7	52.2	93.8	99.8	99.6	64.7	99.9	99.9	83.6	
% linked via Medicaid legacy provider ID	6.6	4.7	7.7	21.3	30.0	6.1	0.2	0.4	35.3	0.1	0.0	10.9	
% linked via Medicare UPIN	93.4	0.0	0.2	0.0	17.8	0.0	0.1	0.0	0.0	0.1	0.1	5.5	
% with name prefix	42.6	37.3	41.1	48.2	24.5	41.1	41.7	46.6	31.6	47.3	45.4	14.5	
% with first name	75.1	98.6	97.1	97.5	53.9	97.7	91.9	99.0	59.1	94.0	90.0	21.8	
% with middle name	58.7	78.3	72.5	77.7	40.0	73.4	61.3	73.7	38.5	67.7	72.7	18.2	
% with last name	75.1	98.6	97.1	97.5	53.9	97.7	91.9	99.0	59.1	94.0	90.0	21.8	
% with name suffix	2.8	2.2	1.6	5.5	1.2	1.8	1.7	3.4	2.2	3.0	6.2	0.0	
% male	44.6	54.1	61.4	72.4	39.3	56.9	56.0	60.2	36.3	65.0	61.4	12.7	
% female	30.4	44.5	35.7	25.1	14.6	40.8	35.9	38.7	22.8	29.0	28.6	9.1	
% with credential	71.8	93.8	95.7	96.3	52.7	94.9	89.6	97.1	57.0	92.5	88.2	20.0	
% with business name	24.9	1.0	2.5	2.0	45.9	2.0	7.7	0.8	40.5	5.4	9.6	78.2	
% with address line 1	100.0	99.6	99.6	99.5	99.9	99.7	99.6	99.8	99.5	99.3	99.6	100.0	
% with city	100.0	99.6	99.6	99.5	99.9	99.7	99.6	99.8	99.5	99.3	99.6	100.0	
% with state	100.0	99.6	99.6	99.5	99.9	99.7	99.6	99.8	99.5	99.3	99.6	100.0	
% state = RX state code	6.9	75.1	88.1	78.1	85.8	92.4	86.8	74.3	64.1	94.5	88.9	94.5	
% with zip code	100.0	99.6	99.6	99.5	99.9	99.7	99.6	99.8	99.5	99.3	99.6	100.0	
% with primary taxonomy	97.2	98.2	98.5	98.7	97.6	99.1	97.6	98.8	97.6	98.5	98.4	100.0	
% with provider entity type = individual	75.1	98.6	97.1	97.5	53.9	97.7	91.9	99.0	59.1	94.0	90.0	21.8	
% with provider entity type = organization	24.9	1.0	2.5	2.0	45.9	2.0	7.7	0.8	40.5	5.4	9.6	78.2	

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	562	2,680	15,516	5,667	35,689	12,434	11,181	3,291	859	33,176	18,513	55	
% individual or group of individuals	91.5	99.6	98.5	99.2	73.0	99.0	93.4	99.7	87.0	95.7	90.8	25.5	
% allopathic and osteopathic physicians	36.7	61.1	72.3	77.5	57.8	70.5	65.8	72.2	69.8	74.2	68.9	20.0	
% behavioral health and social service providers	11.2	0.0	0.4	0.3	0.1	0.2	0.3	0.1	0.1	0.2	0.2	1.8	
% chiropractic providers	10.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	
% dental providers	4.8	9.1	1.3	2.2	8.9	5.4	6.9	6.2	5.4	2.9	5.8	0.0	
% dietary and nutritional service providers	0.5	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	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% eye and vision service providers	5.9	2.9	1.6	5.3	1.1	1.8	2.0	1.7	0.6	2.1	2.1	0.0	
% nursing service providers	0.0	0.9	0.6	0.1	0.0	0.4	0.1	0.2	0.1	0.2	0.1	1.8	
% nursing service-related 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	
% other service providers	4.3	1.5	3.3	5.0	3.2	3.4	2.3	2.9	3.5	4.9	4.2	1.8	
% pharmacy service providers	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
% physician assistants and advanced practice nursing providers	12.3	22.6	16.1	6.9	0.6	15.8	13.8	13.2	4.3	9.2	7.7	0.0	
% podiatric medicine and surgery service providers	0.9	0.6	1.5	1.1	0.8	0.9	1.3	1.7	3.0	1.6	1.3	0.0	
% respiratory, developmental, rehabilitative, and restorative service providers	2.7	0.1	0.5	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	
% speech, language, and hearing service providers	1.1	0.0	0.3	0.0	0.2	0.0	0.3	0.0	0.0	0.1	0.1	0.0	
% student health care	0.2	0.6	0.2	0.4	0.0	0.4	0.3	1.5	0.1	0.1	0.1	0.0	
% technologists, technicians, and other technical service 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	
% 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	0.0	0.0	
% nonindividuals	8.5	0.4	1.5	0.8	27.0	1.0	6.6	0.3	13.0	4.3	9.2	74.5	
% agencies	2.3	0.0	0.1	0.1	0.9	0.0	0.1	0.0	0.7	0.1	0.1	0.0	
% ambulatory health care facilities	3.4	0.2	0.3	0.6	4.1	0.2	0.4	0.1	3.6	0.3	0.2	0.0	
% hospital units	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	
% hospitals	0.4	0.1	0.4	0.2	8.6	0.1	0.1	0.2	5.7	0.2	0.4	72.7	
% laboratories	0.2	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% managed care organizations	0.7	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.6	0.0	0.0	1.8	
% nursing and custodial care facilities	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
% residential treatment facilities	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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	
% suppliers	0.7	0.2	0.7	0.0	4.3	0.7	5.9	0.0	1.2	3.7	8.4	0.0	
% transportation services	0.4	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.1	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	

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	434	2,691	15,298	5,596	19,714	12,257	10,523	3,298	520	31,655	16,919	12	
% a sole proprietorship	37.3	17.2	17.2	17.9	26.9	11.1	16.5	17.4	32.9	23.3	20.9	25.0	
% not a sole proprietorship	53.2	77.0	75.8	76.0	66.0	83.7	76.7	75.1	62.3	70.3	73.0	58.3	
% not answered	9.4	5.9	7.0	6.1	7.1	5.1	6.8	7.5	4.8	6.4	6.0	16.7	
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	144	26	398	113	16,787	252	885	28	356	1,803	1,805	43	
% organization is a subpart	4.9	11.5	19.6	4.4	17.2	28.2	14.1	3.6	2.2	11.2	10.9	0.0	
% organization is not a subpart	63.9	76.9	67.3	87.6	65.0	61.9	73.6	60.7	87.9	82.8	80.7	100.0	
% not answered	31.3	11.5	13.1	8.0	17.7	9.9	12.3	35.7	9.8	6.0	8.4	0.0	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
RX Providers													
Number of provider IDs	105,095	35,099	12,282		16,628	16,082		16,642	47,998	78,252	23,660	18,566	40,445
% billing provider on RX claim	0.0	0.0	0.0		0.3	0.0		0.3	0.0	2.5	0.7	0.0	0.6
% 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
% NPI billing provider on RX claim	0.0	0.1	0.0		0.0	0.0		0.0	0.0	1.3	0.0	0.0	0.0
% also a provider on IP claim	0.1	0.2	0.0		0.1	0.5		0.4	0.1	0.3	0.1	0.6	0.1
% also a provider on LT claim	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.1	0.1	0.0	0.0
% also a provider on OT claim	30.3	45.1	0.0		82.8	68.2		72.3	9.2	40.8	92.4	45.2	20.2
% provider IDs with NPI	30.4	45.1	0.0		87.6	57.5		72.0	5.1	21.0	42.7	45.3	14.0
% provider IDs linked to NPPES	30.4	45.1	0.0		87.6	57.5		72.0	5.1	21.0	42.7	45.3	14.0
% 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
average number of RX claims	253.5	422.3	383.6		806.3	800.8		573.1	217.3	288.4	934.2	313.1	373.9
average number of beneficiaries with RX claims	45.8	63.0	64.7		148.4	135.9		62.2	33.4	52.8	82.8	69.0	56.7
Provider IDs with NPI													
Number of provider IDs with NPI	31,948	15,840	3		14,569	9,244		11,986	2,438	16,410	10,110	8,402	5,667
% NPI source = MSIS	99.9	99.9	0.0		93.9	99.7		93.5	59.6	87.2	54.4	99.9	68.5
% NPI source = NPPES	0.1	0.1	100.0		6.1	0.3		6.5	40.4	12.8	45.6	0.1	31.5
% 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
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	31,947	15,840	3		14,569	9,243		11,984	2,438	16,407	10,105	8,402	5,647
% linked via NPI	99.9	99.9	0.0		93.9	99.7		93.5	59.6	87.2	54.4	99.9	68.4
% linked via Medicaid legacy provider ID	0.1	0.0	0.0		6.1	0.0		6.5	39.2	12.7	45.6	0.0	31.6
% linked via Medicare UPIN	0.1	0.1	100.0		0.0	0.2		0.0	1.3	0.2	0.0	0.1	0.1
% with name prefix	47.8	40.6	33.3		40.8	51.2		46.3	38.9	43.3	13.8	49.3	18.4
% with first name	98.4	97.6	100.0		97.4	95.8		93.3	90.9	83.9	48.6	94.9	34.5
% with middle name	66.2	78.2	66.7		77.4	79.3		65.1	64.4	64.1	41.9	77.0	28.8
% with last name	98.4	97.6	100.0		97.4	95.8		93.3	90.9	83.9	48.6	94.9	34.5
% with name suffix	1.8	2.8	0.0		3.9	8.1		2.4	1.3	1.9	0.7	7.6	1.2
% male	63.4	65.5	33.3		62.9	65.5		56.2	42.3	55.8	30.1	63.9	25.6
% female	35.0	32.1	66.7		34.5	30.3		37.1	48.5	28.2	18.5	31.0	8.9
% with credential	95.8	95.7	66.7		96.3	93.9		89.8	88.2	82.0	45.9	93.2	34.0
% with business name	1.2	1.8	0.0		2.1	3.6		6.3	9.0	15.7	51.3	4.5	65.4
% with address line 1	99.6	99.5	100.0		99.6	99.4		99.6	99.8	99.6	99.9	99.4	99.9
% with city	99.6	99.5	100.0		99.6	99.4		99.6	99.8	99.6	99.9	99.4	99.9
% with state	99.6	99.5	100.0		99.6	99.4		99.6	99.8	99.6	99.9	99.4	99.9
% state = RX state code	79.5	83.1	0.0		71.0	89.4		82.5	88.8	89.6	85.0	72.9	92.7
% with zip code	99.6	99.5	100.0		99.6	99.4		99.6	99.8	99.6	99.9	99.4	99.9
% with primary taxonomy	98.3	98.8	100.0		98.9	98.6		98.4	99.4	98.5	99.4	98.3	99.3
% with provider entity type = individual	98.4	97.6	100.0		97.4	95.8		93.3	90.9	83.9	48.6	94.9	34.5
% with provider entity type = organization	1.2	1.8	0.0		2.1	3.6		6.3	9.0	15.7	51.3	4.5	65.4

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	0	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	31,393	15,656	3		14,403	9,109		11,795	2,424	16,167	10,045	8,263	5,605
% individual or group of individuals	98.8	99.0	100.0		98.9	98.9		97.4	95.0	90.3	49.9	97.1	81.9
% allopathic and osteopathic physicians	80.8	74.4	33.3		71.7	73.7		78.9	74.8	57.8	35.7	66.8	74.1
% behavioral health and social service providers	0.1	0.2	0.0		0.1	0.2		0.2	0.2	0.6	0.3	0.2	0.1
% chiropractic providers	0.0	0.1	0.0		0.1	0.0		0.0	0.0	0.2	0.0	0.1	0.0
% dental providers	5.5	7.3	0.0		6.8	7.4		5.0	3.1	16.2	3.2	6.1	1.2
% 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
% emergency medical service providers	0.0	0.1	0.0		0.0	0.0		0.1	0.0	0.0	0.0	0.1	0.2
% eye and vision service providers	2.4	3.4	0.0		2.9	1.7		0.3	0.9	3.2	2.1	3.1	0.9
% nursing service providers	0.1	0.1	0.0		0.1	0.1		0.3	0.1	0.1	0.1	0.3	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
% other service providers	2.4	1.8	0.0		1.7	4.6		5.0	0.9	2.0	0.9	3.5	2.5
% 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
% physician assistants and advanced practice nursing providers	5.4	10.0	33.3		14.3	9.5		5.3	13.2	7.9	6.7	15.9	1.8
% podiatric medicine and surgery service providers	1.7	1.4	0.0		0.9	0.8		1.4	0.9	1.9	0.5	0.7	1.0
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.1	0.0		0.0	0.0		0.1	0.0	0.1	0.2	0.1	0.0
% speech, language, and hearing service providers	0.0	0.0	33.3		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
% student health care	0.4	0.2	0.0		0.2	0.7		0.8	0.9	0.2	0.0	0.3	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
% 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	0.0
% nonindividuals	1.2	1.0	0.0		1.1	1.1		2.6	5.0	9.7	50.1	2.9	18.1
% agencies	0.1	0.1	0.0		0.0	0.0		0.2	0.0	0.5	1.2	0.1	0.5
% ambulatory health care facilities	0.4	0.2	0.0		0.2	0.5		0.8	1.3	1.3	1.6	1.1	12.7
% hospital units	0.1	0.0	0.0		0.0	0.0		0.0	0.4	0.2	0.2	0.0	0.0
% hospitals	0.5	0.5	0.0		0.2	0.5		0.7	3.0	4.9	44.2	1.4	4.4
% laboratories	0.0	0.0	0.0		0.0	0.0		0.1	0.0	0.2	1.1	0.0	0.1
% managed care organizations	0.0	0.0	0.0		0.0	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		0.1	0.1	0.1	0.2	0.0	0.0
% 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
% 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
% suppliers	0.1	0.1	0.0		0.7	0.0		0.8	0.2	2.3	1.7	0.0	0.4
% transportation services	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.1	0.1	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

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	31,441	15,463	3		14,197	8,855		11,176	2,215	13,771	4,912	7,972	1,948
% a sole proprietorship	17.0	14.0	0.0		15.1	23.5		19.7	10.3	19.4	6.6	20.4	16.5
% not a sole proprietorship	75.8	81.5	100.0		81.3	67.2		71.0	87.4	72.7	91.7	74.1	82.2
% not answered	7.2	4.5	0.0		3.7	9.2		9.3	2.2	7.9	1.7	5.5	1.3
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	382	292	0		313	332		757	219	2,577	5,185	378	3,693
% organization is a subpart	14.1	13.0	0.0		16.3	4.2		10.2	7.3	8.4	11.2	10.8	12.0
% organization is not a subpart	66.8	69.5	0.0		71.2	74.1		76.4	73.5	76.8	84.9	72.8	82.5
% not answered	19.1	17.5	0.0		12.5	21.7		13.5	19.2	14.8	3.9	16.4	5.6

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
RX Providers													
Number of provider IDs	3,490	7,954	9,849	10,795		20,072	87,985	23,499		39,203	14,798	17,040	67,728
% billing provider on RX claim	0.0	0.0	0.0	0.0		0.2	0.1	0.2		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
% NPI billing provider on RX claim	0.0	0.0	0.9	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		0.1	0.0	0.2		0.0	0.0	0.1	0.1
% also a provider on LT claim	0.0	0.0	0.0	0.0		0.0	0.1	0.0		0.0	0.0	0.0	0.0
% also a provider on OT claim	86.1	41.2	48.4	0.0		74.6	74.6	91.7		77.1	71.9	66.7	3.6
% provider IDs with NPI	84.3	3.5	49.3	0.0		43.8	67.7	99.4		24.3	71.9	58.5	3.8
% provider IDs linked to NPPES	84.3	3.5	49.3	0.0		43.8	67.7	99.4		2.3	71.9	58.5	3.8
% 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		0.0	0.0	0.0	0.0
average number of RX claims	273.2	370.5	229.2	136.9		272.2	628.5	360.3		710.8	439.4	168.6	139.1
average number of beneficiaries with RX claims	44.7	66.4	25.9	26.4		50.4	96.2	76.0		116.9	92.7	21.5	20.9
Provider IDs with NPI													
Number of provider IDs with NPI	2,942	280	4,853	0		8,782	59,552	23,359		9,534	10,634	9,965	2,569
% NPI source = MSIS	100.0	0.0	98.7	0.0		95.5	89.5	90.1		99.4	100.0	99.9	99.0
% NPI source = NPPES	0.0	100.0	1.3	0.0		4.5	10.5	3.7		0.6	0.0	0.1	1.0
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0		0.0	0.0	6.2		0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	2,942	280	4,853	0		8,782	59,550	23,359		892	10,634	9,965	2,569
% linked via NPI	100.0	0.0	98.7	0.0		95.5	89.5	96.3		93.4	100.0	99.9	99.0
% linked via Medicaid legacy provider ID	0.0	100.0	1.2	0.0		4.5	10.5	3.7		6.5	0.0	0.0	0.7
% linked via Medicare UPIN	0.0	0.0	0.1	0.0		0.0	0.0	0.0		0.1	0.0	0.1	0.4
% with name prefix	35.8	62.9	42.4	0.0		12.8	51.2	50.1		38.9	42.8	43.1	44.8
% with first name	98.8	90.4	96.8	0.0		27.8	98.6	95.0		99.2	99.2	97.0	92.3
% with middle name	79.6	86.4	72.7	0.0		20.9	60.3	79.6		78.3	81.0	81.3	70.2
% with last name	98.8	90.4	96.8	0.0		27.8	98.6	95.0		99.2	99.2	97.0	92.3
% with name suffix	1.7	2.9	2.0	0.0		0.6	1.5	6.5		3.8	3.8	1.9	3.3
% male	61.1	73.2	68.1	0.0		17.9	60.2	64.0		72.4	68.0	57.2	61.0
% female	37.8	17.1	28.7	0.0		9.9	38.5	31.0		26.8	31.2	39.8	31.3
% with credential	96.1	88.9	95.2	0.0		27.3	94.7	92.7		98.1	98.0	95.4	90.7
% with business name	0.8	9.6	2.7	0.0		71.9	0.9	4.5		0.6	0.1	2.6	7.4
% with address line 1	99.6	100.0	99.6	0.0		99.6	99.5	99.5		99.8	99.3	99.6	99.7
% with city	99.6	100.0	99.6	0.0		99.6	99.5	99.5		99.8	99.3	99.6	99.7
% with state	99.6	100.0	99.6	0.0		99.6	99.5	99.5		99.8	99.3	99.6	99.7
% state = RX state code	77.0	96.4	84.0	0.0		83.8	91.9	86.5		96.0	77.6	84.8	88.3
% with zip code	99.6	100.0	99.6	0.0		99.6	99.5	99.5		99.8	99.3	99.6	99.7
% with primary taxonomy	98.3	98.2	98.4	0.0		98.7	97.9	98.4		98.8	98.5	98.5	98.8
% with provider entity type = individual	98.8	90.4	96.8	0.0		27.8	98.6	95.0		99.2	99.2	97.0	92.3
% with provider entity type = organization	0.8	9.6	2.7	0.0		71.9	0.9	4.5		0.6	0.1	2.6	7.4

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	2,893	275	4,777	0		8,668	58,272	22,992		881	10,479	9,820	2,538
% individual or group of individuals	99.4	98.2	97.7	0.0		73.4	99.3	98.6		99.3	99.9	97.6	96.8
% allopathic and osteopathic physicians	65.2	34.9	73.1	0.0		54.8	68.3	76.5		89.8	70.8	68.3	90.2
% behavioral health and social service providers	0.1	0.0	0.1	0.0		1.0	0.3	0.7		0.0	0.0	0.1	0.0
% chiropractic providers	0.0	0.0	0.0	0.0		0.0	0.0	0.1		0.0	0.0	0.0	0.0
% dental providers	3.0	43.6	6.5	0.0		6.4	8.2	8.3		0.2	7.7	6.6	1.6
% dietary and nutritional service providers	0.0	0.0	0.0	0.0		0.0	0.1	0.0		0.0	0.0	0.0	0.0
% emergency medical service providers	0.0	0.0	0.0	0.0		0.0	0.1	0.0		0.2	0.1	0.1	0.0
% eye and vision service providers	3.7	9.1	2.8	0.0		1.6	1.7	3.0		0.0	4.4	1.3	1.1
% nursing service providers	0.1	0.0	0.3	0.0		0.1	0.2	0.1		0.2	0.1	0.2	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
% other service providers	2.6	2.5	3.3	0.0		3.7	3.9	3.3		3.3	2.5	3.0	1.9
% 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
% physician assistants and advanced practice nursing providers	23.1	1.8	10.3	0.0		4.6	13.1	5.2		5.1	12.8	16.6	0.6
% podiatric medicine and surgery service providers	1.3	6.2	1.1	0.0		0.9	2.3	0.9		0.5	0.7	0.9	0.5
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.0	0.1	0.0		0.1	0.3	0.2		0.0	0.0	0.1	0.0
% speech, language, and hearing service providers	0.0	0.0	0.0	0.0		0.0	0.1	0.2		0.0	0.0	0.0	0.0
% student health care	0.2	0.0	0.1	0.0		0.1	0.7	0.2		0.0	0.7	0.4	0.7
% 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
% 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	0.0
% nonindividuals	0.6	1.8	2.3	0.0		26.6	0.7	1.4		0.7	0.1	2.4	3.2
% agencies	0.1	0.4	0.1	0.0		0.4	0.1	0.1		0.1	0.0	0.1	0.2
% ambulatory health care facilities	0.1	1.1	0.3	0.0		13.9	0.2	0.7		0.1	0.0	0.3	1.2
% hospital units	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0
% hospitals	0.2	0.0	0.1	0.0		11.1	0.3	0.3		0.2	0.0	0.2	1.6
% laboratories	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.1
% managed care organizations	0.0	0.0	0.0	0.0		0.3	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		0.1	0.0	0.0		0.2	0.0	0.0	0.0
% residential treatment facilities	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
% suppliers	0.2	0.4	1.8	0.0		0.6	0.0	0.2		0.0	0.0	1.7	0.0
% transportation services	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0
% nonmedical	0.0	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	0.0

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	2,908	253	4,700	0		2,438	58,741	22,199		885	10,550	9,665	2,371
% a sole proprietorship	13.9	42.3	18.6	0.0		26.7	28.7	14.0		21.7	19.0	15.2	17.5
% not a sole proprietorship	79.6	46.2	75.7	0.0		65.9	63.1	81.2		72.9	75.1	78.9	74.8
% not answered	6.5	11.5	5.8	0.0		7.4	8.3	4.8		5.4	6.0	5.9	7.7
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	23	27	132	0		6,312	532	1,044		5	13	261	190
% organization is a subpart	8.7	3.7	22.0	0.0		4.0	4.1	10.3		0.0	7.7	7.7	11.1
% organization is not a subpart	65.2	74.1	65.9	0.0		90.1	64.1	72.6		60.0	46.2	85.4	75.3
% not answered	26.1	22.2	12.1	0.0		6.0	31.8	17.0		40.0	46.2	6.9	13.7

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
RX Providers												
Number of provider IDs	15,880	23,527	5,024	64,729	55,413		4,661	39,801	64,279	18,285	36,224	3,065
% billing provider on RX claim	0.3	0.1	0.0	0.0	0.0		0.0	0.1	0.0	0.0	0.2	0.1
% 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
% NPI billing provider on RX claim	0.3	79.4	0.0	0.0	0.0		0.0	0.1	0.6	0.0	0.2	0.0
% also a provider on IP claim	0.1	0.1	0.0	0.0	0.0		0.0	0.3	0.0	0.2	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	0.0	0.0
% also a provider on OT claim	24.2	57.7	0.0	27.4	0.0		85.6	47.9	31.5	7.6	61.1	86.6
% provider IDs with NPI	23.8	79.5		7.5	1.8		86.4	48.0	31.8	7.7	20.6	52.5
% provider IDs linked to NPPES	23.8	79.2	0.0	7.5	1.8		86.4	48.0	31.8	7.7	20.6	52.5
% 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
average number of RX claims	121.3	183.4	184.6	202.8	618.7		495.6	242.2	278.0	339.7	434.2	188.6
average number of beneficiaries with RX claims	24.1	35.9	36.5	46.4	120.9		76.4	41.1	38.6	46.0	67.0	40.0
Provider IDs with NPI												
Number of provider IDs with NPI	3,785	18,707	0	4,826	972		4,027	19,085	20,428	1,410	7,457	1,608
% NPI source = MSIS	99.9	100.0	0.0	99.3	0.1		98.6	98.7	99.5	99.4	91.3	85.8
% NPI source = NPPES	0.1	0.0	0.0	0.7	99.9		1.4	1.3	0.5	0.6	8.7	14.2
% 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
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	3,784	18,632	0	4,826	971		4,027	19,085	20,428	1,410	7,457	1,608
% linked via NPI	99.9	100.0	0.0	99.3	0.0		98.6	98.7	99.5	99.4	91.3	85.8
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	0.2	3.0		1.3	1.2	0.5	0.2	8.6	14.2
% linked via Medicare UPIN	0.1	0.0	0.0	0.5	97.0		0.0	0.0	0.0	0.4	0.1	0.1
% with name prefix	38.0	47.9	0.0	32.3	37.7		50.5	45.1	34.5	44.6	35.6	41.6
% with first name	97.7	97.6	0.0	58.1	69.7		99.4	97.4	96.5	93.5	85.1	97.3
% with middle name	67.7	82.0	0.0	48.9	53.1		77.7	77.4	78.0	74.8	71.4	79.4
% with last name	97.7	97.6	0.0	58.1	69.7		99.4	97.4	96.5	93.5	85.1	97.3
% with name suffix	2.7	7.4	0.0	3.7	1.8		2.8	4.9	1.7	3.4	1.1	1.9
% male	58.1	61.8	0.0	34.8	45.2		56.7	62.9	57.4	52.5	48.1	63.2
% female	39.6	35.8	0.0	23.3	24.5		42.7	34.5	39.1	41.1	37.0	34.0
% with credential	95.6	95.1	0.0	56.5	68.0		97.4	94.8	92.1	91.3	82.9	94.9
% with business name	2.0	1.8	0.0	41.5	30.3		0.3	2.2	3.2	6.0	14.5	2.4
% with address line 1	99.7	99.4	0.0	99.6	100.0		99.7	99.6	99.7	99.6	99.6	99.6
% with city	99.7	99.4	0.0	99.6	100.0		99.7	99.6	99.7	99.6	99.6	99.6
% with state	99.7	99.4	0.0	99.6	100.0		99.7	99.6	99.7	99.6	99.6	99.6
% state = RX state code	81.3	62.7	0.0	80.5	16.4		56.9	79.2	86.1	62.3	72.6	51.1
% with zip code	99.7	99.4	0.0	99.6	100.0		99.7	99.6	99.7	99.6	99.6	99.6
% with primary taxonomy	98.7	98.6	0.0	99.1	97.6		98.1	98.6	98.8	98.6	98.7	98.6
% with provider entity type = individual	97.7	97.6	0.0	58.1	69.7		99.4	97.4	96.5	93.5	85.1	97.3
% with provider entity type = organization	2.0	1.8	0.0	41.5	30.3		0.3	2.2	3.2	6.0	14.5	2.4

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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	3,734	18,378	0	4,783	948		3,951	18,826	20,191	1,390	7,358	1,586
% individual or group of individuals	98.1	99.4	0.0	58.8	90.9		99.8	98.5	97.6	95.7	86.5	99.2
% allopathic and osteopathic physicians	75.3	70.7	0.0	15.8	49.7		66.0	74.6	66.2	55.4	38.1	64.2
% behavioral health and social service providers	0.2	1.1	0.0	0.3	6.3		0.1	0.2	0.1	0.5	1.0	0.3
% chiropractic providers	0.0	0.2	0.0	0.1	9.1		0.0	0.0	0.0	0.1	0.4	0.0
% dental providers	4.4	7.2	0.0	16.0	3.1		7.4	5.7	7.2	7.0	14.3	12.1
% dietary and nutritional service providers	0.0	0.0	0.0	0.0	0.4		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		0.0	0.0	0.0	0.1	0.0	0.1
% eye and vision service providers	1.9	1.8	0.0	8.6	4.7		1.9	2.3	2.9	6.6	7.0	4.7
% nursing service providers	0.5	0.2	0.0	0.3	0.3		0.3	0.1	0.2	0.6	0.2	0.2
% 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
% other service providers	1.6	2.9	0.0	0.9	7.0		1.7	3.9	2.1	3.2	0.5	1.4
% pharmacy service providers	0.0	0.1	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	12.3	13.2	0.0	15.9	6.2		19.5	9.8	17.3	19.4	23.1	15.3
% podiatric medicine and surgery service providers	1.6	0.7	0.0	0.1	1.2		0.6	1.3	1.1	1.0	0.8	0.9
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.3	0.0	0.5	2.0		0.0	0.0	0.1	0.4	0.5	0.1
% speech, language, and hearing service providers	0.0	0.1	0.0	0.0	0.5		0.0	0.0	0.0	0.3	0.2	0.0
% student health care	0.3	0.7	0.0	0.2	0.0		2.4	0.4	0.2	1.1	0.3	0.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.2		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	0.0
% nonindividuals	1.9	0.6	0.0	41.2	9.1		0.2	1.5	2.4	4.3	13.5	0.8
% agencies	0.0	0.0	0.0	0.4	1.6		0.0	0.2	0.0	0.2	0.2	0.0
% ambulatory health care facilities	0.2	0.3	0.0	0.4	4.9		0.0	0.4	0.2	1.1	0.8	0.4
% hospital units	0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.4	0.0	0.0
% hospitals	0.5	0.2	0.0	40.0	0.2		0.0	0.6	0.1	2.6	11.3	0.2
% laboratories	0.0	0.0	0.0	0.0	0.3		0.0	0.0	0.0	0.1	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	0.1
% nursing and custodial care facilities	0.0	0.0	0.0	0.1	0.3		0.0	0.0	0.0	0.0	0.5	0.1
% residential treatment facilities	0.0	0.0	0.0	0.1	0.4		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
% suppliers	1.1	0.1	0.0	0.2	0.9		0.1	0.3	2.1	0.0	0.8	0.1
% transportation services	0.0	0.0	0.0	0.0	0.3		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

2010 MAX RX-Prescribing Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	3,698	18,189	0	2,803	677		4,004	18,589	19,722	1,319	6,344	1,564
% a sole proprietorship	18.4	16.1	0.0	23.2	38.3		15.8	13.7	14.1	18.2	9.8	17.6
% not a sole proprietorship	75.5	79.0	0.0	67.8	55.1		79.0	80.5	81.1	77.2	81.3	77.0
% not answered	6.0	4.9	0.0	9.0	6.6		5.2	5.8	4.8	4.6	8.9	5.3
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	76	333	0	2,005	294		11	420	649	85	1,083	38
% organization is a subpart	10.5	7.2	0.0	5.9	4.4		9.1	7.9	17.7	2.4	6.4	2.6
% organization is not a subpart	85.5	67.9	0.0	88.3	73.5		54.5	78.1	73.0	77.6	86.6	60.5
% not answered	3.9	24.9	0.0	5.7	22.1		36.4	14.0	9.2	20.0	7.0	36.8

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	AL	AK	AZ	AR	CA	CO	CT	DE	DC	FL	GA	HI	ID
All Providers													
Number of provider IDs	68,522	17,632	76,931	51,573	1,067,299	58,162	71,199	11,409	9,815	243,260	143,497	14,881	
% billing provider on IP claim	0.4	0.6	0.6	0.5	0.3	0.4	0.5	0.5	0.8	0.7	0.4	0.8	
% NPI billing provider on IP claim	0.4	0.6	0.6	0.4	0.2	0.4	0.5	0.5	0.8	0.6	0.4	0.8	
% billing provider on LT claim	0.4	0.4	0.2	0.6	0.3	0.4	0.6	0.6	1.4	0.3	0.5	0.2	
% NPI billing provider on LT claim	0.4	0.4	0.2	0.6	0.1	0.4	0.5	0.6	1.0	0.3	0.3	0.2	
% billing provider on OT claim	11.5	20.2	36.6	25.0	58.6	13.8	20.1	19.1	42.8	24.8	38.6	46.0	
% servicing provider on OT claim	42.4	44.2	36.9	49.8	69.8	35.7	38.1	71.3	49.2	30.9	51.4	46.9	
% NPI servicing provider on OT claim	26.8	41.0	30.9	37.4	55.9	39.8	29.8	59.7	40.8	25.8	24.4	36.6	
% billing provider on RX claim	2.1	1.0	1.5	1.6	1.9	1.5	2.1	2.4	2.4	1.7	3.3	1.6	
% prescribing provider on RX claim	20.2	17.7	46.6	16.9	36.5	23.9	41.1	48.5	27.9	51.6	23.8	12.4	
% NPI billing provider on RX claim	2.0	1.0	1.5	1.6	1.9	38.2	1.5	2.4	2.4	1.7	1.6	1.6	
% billing provider	13.7	21.2	38.1	27.2	60.7	14.5	22.1	20.6	44.8	26.6	41.7	46.7	
% NPI billing provider	2.8	2.0	2.3	2.6	2.2	39.0	2.6	3.5	4.2	2.5	2.2	2.3	
% servicing provider	42.4	44.2	36.9	49.8	69.8	35.7	38.1	71.3	49.2	30.9	51.4	46.9	
% NPI servicing provider	26.8	41.0	30.9	37.4	55.9	39.8	29.8	59.7	40.8	25.8	24.4	36.6	
% prescribing provider	20.2	17.7	46.6	16.9	36.5	23.9	41.1	48.5	27.9	51.6	23.8	12.4	
% provider IDs with NPI	75.8	79.9	67.1	69.3	65.8	92.7	63.1	62.6	69.5	56.3	76.7	58.4	
% provider IDs linked to NPPES	75.7	78.3	67.1	69.3	9.0	92.5	62.8	61.9	69.4	56.2	76.7	58.4	
% 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	0.2	0.0	0.0	
average number of claims	1725.3	879.0	2102.0	1,861.4	512.5	1,312.1	1,424.1	1,885.3	2110.0	1,523.6	1,338.8	1553.0	
average number of beneficiaries with claims	261.9	127.9	264.3	246.4	73.8	185.1	162.3	210.0	239.2	215.6	260.6	233.6	
Provider IDs with NPI													
Number of provider IDs with NPI	51,909	14,088	51,613	35,738	702,364	53,909	44,928	7,143	6,823	137,028	110,064	8,695	
% NPI source = MSIS	97.2	95.7	96.4	91.7	97.1	94.9	99.4	98.9	93.8	96.7	99.4	96.9	
% NPI source = NPPES	2.8	4.3	3.6	8.3	2.9	5.1	0.6	1.1	6.2	3.0	0.6	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	0.4	0.0	0.0	
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	51,887	13,814	51,611	35,722	95,749	53,780	44,712	7,066	6,811	136,745	110,037	8,695	
% linked via NPI	97.2	95.7	96.4	91.7	78.7	94.8	99.4	98.9	93.7	97.0	99.4	96.9	
% linked via Medicaid legacy provider ID	1.7	4.3	3.4	7.2	11.9	5.2	0.6	1.1	6.2	2.9	0.6	2.5	
% linked via Medicare UPIN	1.1	0.0	0.2	1.1	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	
% with name prefix	36.6	31.1	33.5	35.3	14.2	35.8	34.4	33.9	24.6	35.8	37.3	40.0	
% with first name	80.2	90.2	79.6	79.2	29.6	84.4	76.2	86.5	55.2	73.6	82.2	64.0	
% with middle name	67.9	69.5	59.1	57.2	21.8	63.4	50.7	55.9	35.5	52.8	65.1	50.9	
% with last name	80.2	90.2	79.6	79.2	29.6	84.4	76.2	86.5	55.2	73.6	82.2	64.0	
% with name suffix	6.7	2.0	1.4	3.0	0.7	1.6	1.5	2.3	1.5	2.0	4.8	1.5	
% male	56.5	47.1	48.1	41.4	21.4	46.2	45.7	45.7	32.9	44.4	52.3	40.1	
% female	23.8	43.1	31.5	37.8	8.2	38.1	30.5	40.8	22.3	29.1	29.9	23.9	
% with credential	78.8	76.5	76.2	71.3	28.5	81.1	73.7	76.1	51.3	70.1	79.9	62.2	
% with business name	19.4	9.4	19.9	20.3	70.2	15.2	23.4	13.1	44.3	25.8	17.5	35.5	
% with address line 1	99.6	99.7	99.6	99.6	99.8	99.6	99.6	99.7	99.5	99.4	99.6	99.5	
% with city	99.6	99.7	99.6	99.6	99.8	99.6	99.6	99.7	99.5	99.4	99.6	99.5	
% with state	99.6	99.7	99.6	99.6	99.8	99.6	99.6	99.7	99.5	99.4	99.6	99.5	
% state = claim file state code	77.8	60.3	79.6	78.3	85.8	81.3	70.8	65.5	55.0	91.7	84.0	88.4	
% with zip code	99.6	99.7	99.6	99.6	99.8	99.6	99.6	99.7	99.5	99.4	99.6	99.5	
% with primary taxonomy	97.6	98.0	98.3	98.6	97.6	98.7	97.3	98.5	97.5	98.3	98.2	96.6	
% with provider entity type = individual	80.2	90.2	79.6	79.2	29.6	84.4	76.2	86.5	55.2	73.6	82.2	64.0	
% with provider entity type = organization	19.4	9.4	19.9	20.3	70.2	15.2	23.4	13.1	44.3	25.8	17.5	35.5	

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	601	0	0	
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	50,662	13,534	50,752	35,238	93,456	53,082	43,510	6,959	6,641	134,435	108,079	8,400	
% individual or group of individuals	83.4	91.7	82.8	83.7	57.2	89.4	83.2	88.8	70.4	80.3	84.4	79.3	
% allopathic and osteopathic physicians	58.0	49.9	55.3	39.3	42.1	53.6	58.0	52.8	59.3	50.2	55.8	46.5	
% behavioral health and social service providers	0.9	3.8	2.1	7.3	0.7	3.7	4.7	6.4	0.4	3.0	2.8	10.4	
% chiropractic providers	0.2	1.7	0.2	0.8	0.3	0.2	0.6	0.1	0.0	1.3	0.2	0.0	
% dental providers	3.4	5.4	0.5	0.6	6.6	6.7	4.2	3.3	3.0	1.7	3.2	3.6	
% dietary and nutritional service providers	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	
% emergency medical service providers	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% eye and vision service providers	2.3	2.0	1.2	2.4	1.4	1.8	1.6	1.0	0.4	2.0	1.4	3.9	
% nursing service providers	0.1	2.1	0.5	1.1	0.3	1.6	0.1	4.5	0.1	0.6	0.2	0.3	
% nursing service-related providers	0.0	0.4	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	
% other service providers	3.5	6.2	3.1	9.0	3.2	3.0	2.1	1.8	2.5	4.0	3.2	4.7	
% pharmacy service providers	0.4	0.1	0.0	0.4	0.2	0.1	0.0	0.1	0.1	0.1	0.2	0.1	
% physician assistants and advanced practice nursing providers	11.6	12.4	10.1	6.1	0.4	13.2	8.5	9.0	2.5	10.0	12.6	3.1	
% podiatric medicine and surgery service providers	0.3	0.3	1.0	0.6	0.6	0.7	0.8	1.1	1.4	1.2	0.8	0.7	
% respiratory, developmental, rehabilitative, and restorative service providers	1.4	5.0	5.0	7.4	0.4	2.0	1.6	5.0	0.0	2.9	2.1	5.2	
% speech, language, and hearing service providers	0.7	1.6	2.8	7.6	0.7	1.7	0.4	2.8	0.2	2.9	1.8	0.3	
% student health care	0.4	0.3	0.2	0.3	0.0	1.1	0.3	0.8	0.4	0.1	0.1	0.1	
% technologists, technicians, and other technical service providers	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	
% 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	0.0	0.0	
% nonindividuals	16.6	8.3	17.2	16.3	42.8	10.6	16.8	11.2	29.6	19.7	15.6	20.7	
% agencies	2.3	1.3	2.0	2.3	4.7	1.4	1.3	0.5	2.8	2.2	3.9	2.6	
% ambulatory health care facilities	1.1	1.0	2.3	1.6	7.8	1.5	1.6	1.6	4.1	2.2	1.8	4.2	
% hospital units	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.0	0.2	0.0	0.1	0.2	
% hospitals	1.9	1.0	3.3	1.4	10.4	1.1	4.0	0.9	5.6	2.6	2.1	3.5	
% laboratories	0.7	0.6	0.5	0.5	4.1	0.3	0.7	0.3	1.2	0.3	0.3	0.5	
% managed care organizations	0.0	0.0	0.1	0.1	1.7	0.1	0.0	0.0	0.2	0.1	0.0	1.0	
% nursing and custodial care facilities	0.9	1.0	1.0	1.7	0.8	1.2	1.7	0.7	2.3	2.1	0.9	1.2	
% residential treatment facilities	0.4	0.5	0.9	0.2	0.2	0.3	0.1	0.3	2.2	0.2	0.5	0.1	
% respite care facility	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
% suppliers	8.4	2.2	5.5	7.9	11.4	4.0	6.0	5.9	10.8	9.5	5.6	7.0	
% transportation services	0.7	0.6	0.9	0.7	1.6	0.6	1.2	1.0	0.3	0.4	0.4	0.4	
% 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	

2010 MAX All Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	41,631	12,465	41,095	28,301	28,326	45,372	34,087	6,115	3,759	100,622	90,431	5,564	
% a sole proprietorship	16.1	18.8	19.6	22.8	32.8	16.4	16.4	14.5	26.3	25.0	18.9	37.5	
% not a sole proprietorship	76.3	77.2	73.9	71.1	60.5	78.3	75.6	79.5	67.3	67.9	74.5	55.8	
% not answered	7.6	4.0	6.6	6.1	6.7	5.3	8.1	6.0	6.4	7.1	6.7	6.7	
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	10,058	1,302	10,292	7,263	67,214	8,199	10,454	927	3,018	35,249	19,211	3,084	
% organization is a subpart	14.3	11.9	16.4	16.5	13.9	12.7	8.7	17.3	6.3	14.6	11.7	7.7	
% organization is not a subpart	64.8	67.2	69.5	69.7	68.1	68.2	72.2	66.2	80.0	73.9	70.5	70.5	
% not answered	20.9	20.9	14.1	13.8	18.0	19.1	19.1	16.5	13.7	11.5	17.8	21.8	

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	IL	IN	IA	KS	KY	LA	ME	MD	MA	MI	MN	MS	MO
All Providers													
Number of provider IDs	239,556	82,869	81,584		66,201	55,484		99,424	119,623	266,011	189,753	45,552	103,770
% billing provider on IP claim	0.2	0.5	0.5		0.6	0.9		0.2	0.3	0.4	0.2	0.7	0.5
% NPI billing provider on IP claim	0.3	0.5	0.4		0.6	1.4		0.2	0.3	0.2	0.2	0.8	0.4
% billing provider on LT claim	0.4	1.3	0.9		0.6	1.6		0.2	0.4	0.3	0.4	0.6	0.5
% NPI billing provider on LT claim	0.6	1.1	0.8		0.6	1.8		0.3	0.4	0.2	0.4	0.6	0.5
% billing provider on OT claim	7.0	13.7	21.6		28.2	21.3		13.4	9.6	50.4	48.9	16.0	12.3
% servicing provider on OT claim	40.0	34.0	45.6		66.9	38.0		63.3	25.9	70.1	13.7	33.0	46.0
% NPI servicing provider on OT claim	21.5	34.5	34.5		39.8	42.1		29.4	26.4	13.0	48.6	34.4	11.3
% billing provider on RX claim	0.4	1.6	1.2		2.1	2.1		1.4	1.1	5.5	0.8	1.9	2.8
% prescribing provider on RX claim	43.9	42.4	15.1		25.1	29.0		16.7	40.1	29.4	12.5	40.8	39.0
% NPI billing provider on RX claim	1.2	1.7	14.8		2.0	2.2		1.3	1.1	3.5	0.8	1.9	2.6
% billing provider	7.4	15.3	22.3		30.2	25.2		15.1	10.9	54.6	49.3	18.5	13.9
% NPI billing provider	2.0	3.3	16.1		3.2	5.4		1.7	1.7	3.9	1.4	3.2	3.4
% servicing provider	40.0	34.0	45.6		66.9	38.0		63.3	25.9	70.1	13.7	33.0	46.0
% NPI servicing provider	21.5	34.5	34.5		39.8	42.1		29.4	26.4	13.0	48.6	34.4	11.3
% prescribing provider	43.9	42.4	15.1		25.1	29.0		16.7	40.1	29.4	12.5	40.8	39.0
% provider IDs with NPI	44.1	74.6	81.1		85.0	78.8		60.8	55.7	30.2	60.3	74.2	52.9
% provider IDs linked to NPPES	44.1	73.6	68.2		85.0	75.7		50.3	55.7	29.6	33.1	74.1	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
average number of claims	1461.7	1,712.2	782.2		1,989.6	2540.0		1,151.7	1783.8	936.2	1036.5	1,710.0	1,676.0
average number of beneficiaries with claims	235.3	241.4	117.0		366.9	395.4		109.6	194.3	137.6	94.6	292.8	221.6
Provider IDs with NPI													
Number of provider IDs with NPI	105,603	61,859	66,128		56,291	43,728		60,482	66,603	80,278	114,460	33,816	54,910
% NPI source = MSIS	99.9	79.1	98.5		95.4	99.9		98.2	98.3	89.2	93.9	96.9	91.9
% NPI source = NPPES	0.1	6.7	1.5		4.6	0.1		1.8	1.7	10.8	6.1	3.1	8.1
% NPI source = state cross-reference file	0.0	14.2	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	105,592	61,029	55,619		56,291	42,003		50,017	66,579	78,793	62,714	33,756	37,116
% linked via NPI	99.9	93.2	98.2		95.4	99.9		97.8	98.3	89.0	88.9	96.9	88.0
% linked via Medicaid legacy provider ID	0.1	6.7	1.8		4.6	0.0		2.2	1.7	10.9	11.1	3.1	11.9
% linked via Medicare UPIN	0.0	0.0	0.0		0.0	0.1		0.0	0.0	0.1	0.0	0.0	0.0
% with name prefix	37.4	29.0	27.8		31.1	32.2		35.7	37.8	21.3	21.8	36.7	10.1
% with first name	79.4	71.8	75.2		75.4	66.2		73.0	84.2	43.9	67.5	75.0	17.5
% with middle name	54.2	56.0	63.2		59.0	53.9		50.4	61.3	33.8	56.7	59.8	14.6
% with last name	79.4	71.8	75.2		75.4	66.2		73.0	84.2	43.9	67.5	75.0	17.5
% with name suffix	1.4	1.9	1.3		3.0	4.9		1.9	1.7	1.0	0.9	5.7	0.6
% male	50.0	47.2	50.6		49.3	42.3		42.3	48.8	28.3	36.6	48.9	11.2
% female	29.4	24.6	24.6		26.1	23.9		30.6	35.4	15.6	31.0	26.1	6.3
% with credential	76.9	70.1	74.2		74.4	64.4		70.0	82.5	42.5	63.5	72.8	16.9
% with business name	20.3	27.8	24.4		24.2	33.3		26.7	15.4	55.8	32.1	24.5	82.2
% with address line 1	99.6	99.6	99.6		99.5	99.6		99.6	99.7	99.7	99.7	99.5	99.7
% with city	99.6	99.6	99.6		99.5	99.6		99.6	99.7	99.7	99.7	99.5	99.7
% with state	99.6	99.6	99.6		99.5	99.6		99.6	99.7	99.7	99.7	99.5	99.7
% state = claim file state code	73.6	76.1	61.1		64.5	84.3		78.1	88.8	79.8	81.2	63.3	83.4
% with zip code	99.6	99.6	99.6		99.5	99.6		99.6	99.7	99.7	99.7	99.5	99.7
% with primary taxonomy	98.1	98.5	98.4		98.6	98.5		97.8	97.2	97.9	98.2	98.5	97.8
% with provider entity type = individual	79.4	71.8	75.2		75.4	66.2		73.0	84.2	43.9	67.5	75.0	17.5
% with provider entity type = organization	20.3	27.8	24.4		24.2	33.3		26.7	15.4	55.8	32.1	24.5	82.2

2010 MAX All Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	627	0		0	0		0	0	0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	103,534	60,130	54,738		55,486	41,392		48,933	64,686	77,126	61,581	33,243	36,301
% individual or group of individuals	80.4	81.4	83.6		80.5	75.9		82.8	87.0	69.1	71.3	81.3	53.0
% allopathic and osteopathic physicians	61.4	57.0	56.7		56.7	48.6		60.1	64.1	42.3	34.4	52.8	37.7
% behavioral health and social service providers	0.2	2.6	1.1		0.4	1.5		5.6	2.7	3.3	8.8	1.4	5.3
% chiropractic providers	0.9	2.1	4.8		1.7	0.3		0.1	1.5	3.1	3.5	0.8	0.3
% dental providers	3.6	4.2	5.2		4.3	3.8		3.9	5.0	6.2	4.7	3.4	1.4
% dietary and nutritional service providers	0.0	0.0	0.0		0.0	0.0		0.0	0.0	0.0	0.4	0.0	0.0
% emergency medical service providers	0.0	0.1	0.1		0.0	0.0		0.1	0.0	0.0	0.0	0.0	0.1
% eye and vision service providers	1.6	2.7	2.6		2.0	1.3		0.6	2.4	2.0	2.1	2.0	1.9
% nursing service providers	0.1	0.1	0.1		0.1	0.5		0.3	0.9	0.2	0.4	0.8	0.1
% nursing service-related providers	0.0	0.0	0.0		0.0	1.3		0.0	0.0	0.0	0.0	0.2	0.3
% other service providers	1.7	1.8	1.1		1.4	3.5		4.0	1.6	2.2	1.0	2.7	2.0
% pharmacy service providers	0.2	0.0	0.2		0.1	0.2		0.1	0.0	0.2	0.2	0.5	0.3
% physician assistants and advanced practice nursing providers	6.0	7.1	8.1		12.0	12.1		4.7	5.0	6.2	11.2	13.4	1.5
% podiatric medicine and surgery service providers	1.1	1.1	1.0		0.6	0.6		1.4	1.0	1.6	0.5	0.4	0.9
% respiratory, developmental, rehabilitative, and restorative service providers	2.1	1.6	2.0		0.6	0.7		1.1	2.0	1.1	2.7	1.6	0.6
% speech, language, and hearing service providers	1.0	0.8	0.5		0.2	1.1		0.3	0.5	0.4	1.1	0.9	0.5
% student health care	0.3	0.1	0.2		0.3	0.4		0.6	0.3	0.1	0.2	0.3	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	0.1	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	0.0
% nonindividuals	19.6	18.6	16.4		19.5	24.1		17.2	13.0	30.9	28.7	18.7	47.0
% agencies	2.8	2.1	3.1		4.2	8.4		1.6	1.9	2.2	3.4	1.5	9.5
% ambulatory health care facilities	2.3	1.9	1.9		1.5	2.7		3.1	1.2	4.8	2.5	2.6	14.1
% hospital units	0.1	0.1	0.2		0.2	0.2		0.0	0.2	0.2	0.3	0.2	0.1
% hospitals	3.2	2.8	1.7		1.9	3.2		1.6	2.1	6.3	11.5	2.8	3.8
% laboratories	0.4	0.5	0.4		0.7	0.6		0.5	0.2	0.5	0.5	0.8	0.9
% managed care organizations	0.0	0.0	0.0		0.0	0.6		0.1	0.0	0.2	0.0	0.1	0.1
% nursing and custodial care facilities	1.6	2.6	2.7		1.1	2.0		1.3	2.2	1.3	2.7	1.4	3.8
% residential treatment facilities	0.4	0.8	0.4		0.3	0.9		0.1	0.1	0.1	0.7	0.1	2.4
% respite care facility	0.0	0.0	0.0		0.0	0.3		0.0	0.0	0.0	0.0	0.1	0.1
% suppliers	7.4	6.6	4.5		8.6	5.0		7.9	4.4	14.2	6.3	8.6	10.9
% transportation services	1.4	1.1	1.3		1.1	0.2		0.8	0.7	1.1	0.7	0.4	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

2010 MAX All Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	83,790	43,815	41,818		42,430	27,821		36,498	56,077	34,601	42,352	25,316	6,501
% a sole proprietorship	15.7	14.0	11.0		14.2	23.6		20.1	16.5	20.8	12.2	20.0	36.7
% not a sole proprietorship	76.7	80.7	77.8		81.3	68.5		69.9	72.5	70.0	75.7	73.8	57.4
% not answered	7.5	5.3	11.2		4.5	7.9		10.0	11.1	9.2	12.1	6.2	5.9
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	21,404	16,954	13,552		13,596	14,006		13,342	10,281	43,940	20,150	8,283	30,494
% organization is a subpart	18.5	12.5	10.8		12.5	7.2		9.6	10.2	14.0	12.8	16.8	14.4
% organization is not a subpart	63.1	69.1	66.9		74.3	67.1		75.8	66.8	72.0	72.2	66.4	71.9
% not answered	18.4	18.4	22.3		13.2	25.7		14.7	23.0	14.0	14.9	16.8	13.7

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	MT	NE	NV	NH	NJ	NM	NY	NC	ND	OH	OK	OR	PA
All Providers													
Number of provider IDs	20,315	38,320	33,106	32,221		77,268	298,536	113,897		162,722	56,220	76,668	173,976
% billing provider on IP claim	0.8	0.8	0.7	0.4		0.9	0.4	0.3		0.3	0.8	0.2	0.2
% NPI billing provider on IP claim	0.7	0.0	0.6	0.2		0.5	0.4	0.3		0.5	0.8	0.2	0.2
% billing provider on LT claim	0.6	0.9	0.4	0.3		0.4	0.6	0.8		0.9	0.8	0.3	0.6
% NPI billing provider on LT claim	0.6	0.0	0.4	0.3		0.2	0.6	0.7		0.9	0.8	0.2	0.5
% billing provider on OT claim	27.3	43.1	18.8	14.0		34.9	31.2	23.9		21.6	19.7	39.3	14.7
% servicing provider on OT claim	44.3	80.2	31.4	36.0		53.8	43.5	47.2		49.2	41.0	47.8	32.6
% NPI servicing provider on OT claim	41.8	0.0	31.1	25.8		22.1	47.1	43.0		28.3	39.5	25.3	23.6
% billing provider on RX claim	1.7	1.5	1.6	1.1		4.7	1.6	1.9		2.2	1.9	1.0	2.2
% prescribing provider on RX claim	17.2	20.8	29.7	33.5		26.0	29.5	20.6		24.1	26.3	22.2	38.9
% NPI billing provider on RX claim	1.7	0.0	1.6	1.0		4.1	1.6	1.9		2.6	1.9	1.0	2.1
% billing provider	29.8	43.8	21.2	14.6		39.5	31.6	25.1		22.9	22.0	40.4	16.4
% NPI billing provider	3.1	0.0	2.5	1.5		4.8	2.5	2.9		3.8	3.4	1.4	2.9
% servicing provider	44.3	80.2	31.4	36.0		53.8	43.5	47.2		49.2	41.0	47.8	32.6
% NPI servicing provider	41.8	0.0	31.1	25.8		22.1	47.1	43.0		28.3	39.5	25.3	23.6
% prescribing provider	17.2	20.8	29.7	33.5		26.0	29.5	20.6		24.1	26.3	22.2	38.9
% provider IDs with NPI	88.2	4.5	69.0	55.8		72.7	85.8	99.1		64.1	83.0	55.3	53.9
% provider IDs linked to NPPES	88.2	4.5	65.4	5.0		72.7	85.6	99.1		32.4	81.3	55.3	53.9
% 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
average number of claims	702.3	546.4	809.0	610.7		867.6	2,229.0	2,614.5		1601.8	1,721.0	939.6	876.9
average number of beneficiaries with claims	109.5	94.0	117.1	84.4		119.1	271.8	333.1		148.0	256.8	116.9	106.5
Provider IDs with NPI													
Number of provider IDs with NPI	17,914	1,710	22,835	17,989		56,182	256,048	112,845		104,291	46,681	42,402	93,822
% NPI source = MSIS	100.0	0.0	95.8	93.6		98.7	96.6	92.4		92.1	97.4	97.5	99.9
% NPI source = NPPES	0.0	100.0	4.2	6.4		1.3	3.4	3.1		7.9	2.6	2.5	0.1
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0		0.0	0.0	4.5		0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES													
Number of provider IDs linked to NPPES	17,914	1,710	21,642	1,626		56,179	255,588	112,836		52,763	45,707	42,402	93,812
% linked via NPI	100.0	0.0	95.6	28.8		98.7	96.6	96.9		84.3	97.3	97.5	99.9
% linked via Medicaid legacy provider ID	0.0	99.9	4.4	71.0		1.3	3.4	3.1		15.5	2.3	1.7	0.1
% linked via Medicare UPIN	0.0	0.1	0.0	0.1		0.0	0.0	0.0		0.2	0.3	0.8	0.0
% with name prefix	29.1	34.2	32.4	14.1		12.6	42.7	32.4		32.4	31.3	37.6	36.2
% with first name	78.0	57.3	77.1	28.9		28.6	85.1	63.4		78.5	74.1	85.3	77.9
% with middle name	60.1	52.0	57.3	22.9		21.0	51.5	52.1		61.3	60.0	70.0	57.7
% with last name	78.0	57.3	77.1	28.9		28.6	85.1	63.4		78.5	74.1	85.3	77.9
% with name suffix	1.4	1.6	1.6	0.8		0.7	1.2	3.7		2.1	2.6	1.7	2.4
% male	46.7	36.5	51.6	15.3		16.8	46.9	36.7		53.6	48.3	51.7	52.3
% female	31.2	20.7	25.5	13.6		11.8	38.3	26.7		24.9	25.9	33.5	25.5
% with credential	73.0	55.9	74.7	28.3		27.9	79.8	60.9		76.5	72.7	83.2	75.4
% with business name	21.7	42.7	22.5	71.0		70.9	14.3	36.2		21.3	25.3	14.3	21.8
% with address line 1	99.7	100.0	99.6	99.9		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% with city	99.7	100.0	99.6	99.9		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% with state	99.7	100.0	99.6	99.9		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% state = claim file state code	62.0	92.6	68.6	78.8		54.3	82.1	87.9		89.7	70.2	73.2	88.4
% with zip code	99.7	100.0	99.6	99.9		99.5	99.4	99.6		99.8	99.4	99.5	99.7
% with primary taxonomy	97.7	97.9	98.2	96.4		97.6	97.7	97.9		98.8	98.2	97.7	98.2
% with provider entity type = individual	78.0	57.3	77.1	28.9		28.6	85.1	63.4		78.5	74.1	85.3	77.9
% with provider entity type = organization	21.7	42.7	22.5	71.0		70.9	14.3	36.2		21.3	25.3	14.3	21.8

2010 MAX All Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	4		0	0	0	0
Provider IDs with NPPES Primary Taxonomy													
Number of provider IDs with NPPES primary taxonomy	17,501	1,674	21,250	1,567		54,819	249,832	110,500		52,106	44,888	41,446	92,147
% individual or group of individuals	79.2	71.6	79.6	47.7		59.8	89.4	74.1		86.3	78.6	87.6	80.3
% allopathic and osteopathic physicians	46.0	20.4	55.0	23.2		39.7	52.0	43.0		66.7	52.8	55.8	60.3
% behavioral health and social service providers	7.0	12.7	4.3	9.0		4.7	8.8	9.4		1.0	2.6	2.9	0.5
% chiropractic providers	1.0	8.7	0.2	0.0		0.5	0.2	1.2		1.5	0.1	0.6	1.2
% dental providers	4.4	13.7	4.1	6.4		2.6	4.7	4.2		2.6	3.1	5.1	2.9
% dietary and nutritional service providers	0.1	0.1	0.0	0.0		0.1	0.3	0.0		0.0	0.5	0.2	0.0
% emergency medical service providers	0.1	0.0	0.0	0.1		0.1	0.1	0.0		0.3	0.1	0.1	0.1
% eye and vision service providers	2.0	5.0	2.0	1.3		1.1	1.7	1.9		1.7	2.7	2.0	1.2
% nursing service providers	0.1	0.2	0.1	0.1		0.2	4.5	0.1		1.5	0.3	1.0	0.6
% nursing service-related providers	0.0	0.0	0.1	0.0		0.1	0.0	0.3		0.9	0.1	0.0	0.0
% other service providers	1.4	1.9	2.3	1.5		3.4	3.3	2.4		2.4	2.0	3.0	4.2
% pharmacy service providers	0.1	0.5	0.1	0.8		0.1	0.2	0.1		0.0	0.3	0.1	0.2
% physician assistants and advanced practice nursing providers	10.9	3.1	5.9	2.6		3.7	8.2	6.1		4.7	9.4	11.1	2.1
% podiatric medicine and surgery service providers	0.5	1.7	0.6	0.5		0.6	1.4	0.6		2.0	0.4	0.7	1.5
% respiratory, developmental, rehabilitative, and restorative service providers	4.1	2.4	3.5	1.6		1.7	2.6	2.4		0.5	1.9	3.6	3.4
% speech, language, and hearing service providers	1.3	1.2	1.2	0.7		0.8	0.7	2.1		0.1	1.9	0.9	2.0
% student health care	0.1	0.0	0.1	0.0		0.3	0.6	0.1		0.3	0.4	0.3	0.2
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	0.0		0.2	0.0	0.0		0.1	0.1	0.1	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	0.0
% nonindividuals	20.8	28.4	20.4	52.3		40.2	10.6	25.9		13.7	21.4	12.4	19.7
% agencies	3.7	3.2	1.6	3.8		5.8	1.5	9.1		2.7	3.0	1.0	3.4
% ambulatory health care facilities	1.5	4.9	2.6	3.3		8.0	1.0	2.3		2.4	2.2	1.8	2.3
% hospital units	0.3	0.2	0.1	0.1		0.2	0.1	0.1		0.0	0.2	0.1	0.3
% hospitals	3.1	0.9	5.1	1.0		7.1	1.4	1.4		1.1	4.3	0.8	1.7
% laboratories	0.8	0.3	0.4	0.3		1.1	0.2	0.2		0.5	0.6	0.8	0.4
% managed care organizations	0.0	0.1	0.1	0.0		0.2	0.1	0.1		0.0	0.0	0.0	0.0
% nursing and custodial care facilities	2.0	3.9	0.8	0.5		0.9	1.0	3.6		1.7	1.9	0.8	1.5
% residential treatment facilities	0.2	0.3	0.4	0.6		0.3	0.2	2.2		0.0	0.4	0.4	0.1
% respite care facility	0.0	0.0	0.0	0.3		0.0	0.0	0.0		0.0	0.0	0.0	0.0
% suppliers	7.8	11.5	8.6	41.5		15.5	4.3	6.3		2.9	7.8	5.6	8.1
% transportation services	1.3	3.1	0.8	1.0		1.4	0.7	0.5		2.3	0.9	1.0	1.8
% nonmedical	0.0	0.0	0.0	0.0		0.0	0.0	0.1		0.0	0.0	0.0	0.0

2010 MAX All Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	13,970	979	16,695	470		16,060	217,619	71,582		41,410	33,877	36,153	73,056
% a sole proprietorship	19.5	37.2	19.6	33.8		26.4	29.8	19.0		18.9	19.5	17.3	15.8
% not a sole proprietorship	75.2	55.9	74.0	60.4		67.6	62.5	76.1		75.0	74.5	76.1	73.4
% not answered	5.4	6.9	6.4	5.7		6.0	7.7	4.9		6.0	6.0	6.5	10.8
Provider IDs with Entity Type = Organization													
Number of provider IDs with entity type = organization	3,882	731	4,871	1,154		39,858	36,543	40,810		11,248	11,573	6,058	20,428
% organization is a subpart	12.9	15.9	17.9	17.2		17.6	9.5	9.1		10.3	13.3	13.6	11.9
% organization is not a subpart	69.8	70.7	72.7	67.1		70.8	68.3	71.6		74.7	68.7	70.8	67.7
% not answered	17.3	13.4	9.4	15.7		11.6	22.2	19.3		15.1	18.0	15.6	20.3

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

Measure	RI	SC	SD	TN	TX	UT	VT	VA	WA	WV	WI	WY
All Providers												
Number of provider IDs	28,176	41,107	21,962	138,621	190,482		18,704	102,658	114,956	53,789	63,037	24,433
% billing provider on IP claim	4.2	0.6	0.8	0.6	0.5		0.5	1.3	0.2	0.4	0.7	0.6
% NPI billing provider on IP claim	0.2	0.6	0.8	0.7	0.4		0.5	1.3	0.2	0.4	0.7	0.6
% billing provider on LT claim	1.1	0.7	0.8	0.3	1.0		0.4	0.4	0.2	0.4	0.7	0.4
% NPI billing provider on LT claim	1.0	0.1	0.7	0.3	1.0		0.4	0.4	0.2	0.4	0.7	0.4
% billing provider on OT claim	27.0	24.2	38.5	19.5	51.7		21.7	33.0	8.3	11.1	54.4	14.0
% servicing provider on OT claim	49.4	62.8	31.0	38.7	54.8		41.1	38.2	30.6	31.2	73.8	48.1
% NPI servicing provider on OT claim	27.6	0.0	34.4	14.2	41.3		43.7	38.2	29.6	30.7	39.1	35.9
% billing provider on RX claim	0.8	3.1	1.6	5.7	2.3		1.3	1.7	1.2	1.4	2.2	0.9
% prescribing provider on RX claim	56.4	57.2	22.9	46.7	29.1		24.9	38.8	55.9	34.0	57.5	12.5
% NPI billing provider on RX claim	0.8	45.5	0.3	5.5	2.3		1.3	1.7	1.1	1.5	2.2	21.3
% billing provider	28.7	26.4	41.6	25.3	54.5		23.4	33.7	8.9	13.1	54.8	15.1
% NPI billing provider	2.0	46.1	1.8	6.3	3.7		2.1	3.1	1.5	2.3	3.6	22.1
% servicing provider	49.4	62.8	31.0	38.7	54.8		41.1	38.2	30.6	31.2	73.8	48.1
% NPI servicing provider	27.6	0.0	34.4	14.2	41.3		43.7	38.2	29.6	30.7	39.1	35.9
% prescribing provider	56.4	57.2	22.9	46.7	29.1		24.9	38.8	55.9	34.0	57.5	12.5
% provider IDs with NPI	29.7	47.2	58.7	51.5	49.1		90.9	77.4	60.0	63.6	46.0	80.2
% provider IDs linked to NPPES	29.1	47.0	58.5	51.5	48.5		90.8	74.1	59.7	63.6	46.0	80.1
% 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
average number of claims	445.2	1,361.5	375.8	1,169.6	2098.8		1278.7	817.3	1,143.2	996.7	1460.6	380.2
average number of beneficiaries with claims	76.4	196.3	84.6	199.0	316.5		164.4	145.6	156.6	132.4	203.1	56.2
Provider IDs with NPI												
Number of provider IDs with NPI	8,362	19,392	12,893	71,390	93,489		17,003	79,481	68,998	34,190	28,992	19,602
% NPI source = MSIS	97.6	97.8	87.8	99.3	98.6		96.8	99.6	99.8	94.1	97.4	96.6
% NPI source = NPPES	2.4	2.2	12.2	0.7	1.2		3.2	0.4	0.2	5.9	2.6	3.4
% NPI source = state cross-reference file	0.0	0.0	0.0	0.0	0.2		0.0	0.0	0.0	0.0	0.0	0.0
Provider IDs Linked to NPPES												
Number of provider IDs linked to NPPES	8,194	19,317	12,843	71,378	92,361		16,985	76,094	68,665	34,189	28,992	19,581
% linked via NPI	97.6	97.8	87.7	99.3	98.8		96.8	99.5	99.8	94.1	97.4	96.6
% linked via Medicaid legacy provider ID	1.4	2.1	12.3	0.0	0.2		3.2	0.4	0.2	5.9	2.5	3.4
% linked via Medicare UPIN	1.0	0.1	0.0	0.7	1.0		0.0	0.0	0.0	0.0	0.0	0.0
% with name prefix	32.9	46.4	19.5	23.0	33.0		44.9	36.2	29.5	33.0	24.4	35.8
% with first name	83.6	94.5	61.8	50.3	71.6		88.2	79.4	81.0	77.8	65.2	89.0
% with middle name	57.7	79.4	51.1	40.4	54.1		67.1	61.8	65.4	62.0	53.4	67.2
% with last name	83.6	94.5	61.8	50.3	71.6		88.2	79.4	81.0	77.8	65.2	89.0
% with name suffix	2.2	7.2	1.0	2.7	2.8		1.9	3.6	1.4	3.1	0.8	1.8
% male	48.6	59.8	39.2	31.0	43.3		46.9	48.7	47.3	50.0	32.8	57.2
% female	35.0	34.7	22.6	19.3	28.3		41.3	30.7	33.7	27.8	32.4	31.8
% with credential	81.5	91.9	59.8	48.7	69.4		85.7	76.7	76.9	73.7	61.8	85.0
% with business name	16.0	5.0	38.0	49.3	27.9		11.5	20.2	18.7	21.9	34.4	10.5
% with address line 1	99.6	99.4	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% with city	99.6	99.4	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% with state	99.6	99.4	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% state = claim file state code	67.2	63.1	67.1	62.3	92.7		55.1	69.2	81.9	51.1	69.0	31.1
% with zip code	99.6	99.4	99.8	99.6	99.5		99.7	99.6	99.7	99.7	99.6	99.5
% with primary taxonomy	97.5	98.6	98.3	98.6	98.1		96.9	97.7	98.6	98.3	97.9	98.1
% with provider entity type = individual	83.6	94.5	61.8	50.3	71.6		88.2	79.4	81.0	77.8	65.2	89.0
% with provider entity type = organization	16.0	5.0	38.0	49.3	27.9		11.5	20.2	18.7	21.9	34.4	10.5

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
Provider IDs with NPPES Primary Taxonomy												
Number of provider IDs with NPPES primary taxonomy	7,991	19,055	12,631	70,363	90,609		16,454	74,380	67,724	33,599	28,388	19,210
% individual or group of individuals	86.0	96.3	71.6	53.9	74.2		90.4	83.4	87.8	81.1	69.1	91.5
% allopathic and osteopathic physicians	59.5	68.4	40.4	28.7	45.1		51.0	57.1	53.6	53.2	24.0	63.2
% behavioral health and social service providers	6.8	1.1	4.1	4.4	5.6		13.0	6.9	1.4	2.1	10.8	1.7
% chiropractic providers	0.3	0.2	4.1	0.4	0.6		1.5	0.1	0.2	1.0	4.2	0.3
% dental providers	3.4	6.9	0.4	2.8	4.8		4.0	3.4	6.1	3.4	4.5	3.9
% dietary and nutritional service providers	0.4	0.0	0.1	0.0	0.2		0.5	0.0	0.4	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	0.1	0.1
% eye and vision service providers	2.1	1.8	3.0	1.8	1.7		1.3	2.0	2.7	1.3	2.3	1.7
% nursing service providers	1.5	0.2	0.1	0.3	0.2		0.5	0.2	0.3	0.9	0.5	0.5
% nursing service-related providers	0.0	0.0	0.1	0.0	0.1		0.0	0.0	0.0	0.1	0.0	0.0
% other service providers	1.5	2.9	1.1	2.2	2.2		1.4	2.8	2.3	4.9	0.7	3.5
% pharmacy service providers	0.1	0.1	0.1	0.2	0.2		0.1	0.1	0.1	0.2	0.1	0.4
% physician assistants and advanced practice nursing providers	7.7	12.7	13.3	9.4	8.9		11.2	8.0	12.7	7.3	10.8	12.2
% podiatric medicine and surgery service providers	1.1	0.6	0.6	0.3	0.8		0.4	0.9	0.9	0.6	0.4	0.4
% respiratory, developmental, rehabilitative, and restorative service providers	0.8	0.3	2.8	2.2	1.7		3.1	0.8	5.6	2.4	8.2	1.5
% speech, language, and hearing service providers	0.6	0.2	1.3	0.8	1.6		1.0	0.5	1.4	3.4	2.2	0.7
% student health care	0.2	0.7	0.1	0.1	0.2		1.3	0.3	0.2	0.2	0.1	1.0
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.0	0.1		0.0	0.1	0.0	0.0	0.0	0.2
% 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	0.0
% nonindividuals	14.0	3.7	28.4	46.1	25.8		9.6	16.6	12.2	18.9	30.9	8.5
% agencies	2.6	0.5	3.8	1.3	5.9		0.9	3.1	1.4	2.7	3.4	1.6
% ambulatory health care facilities	0.8	0.3	3.9	1.8	2.6		0.7	1.6	2.6	1.5	2.9	1.1
% hospital units	0.1	0.1	0.5	0.2	0.1		0.1	0.1	0.1	0.1	0.0	0.1
% hospitals	1.0	1.3	5.6	16.3	1.3		1.4	2.8	1.6	2.3	13.7	1.7
% laboratories	0.2	0.0	0.7	0.5	0.3		0.4	0.5	0.4	1.2	0.6	0.4
% 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
% nursing and custodial care facilities	2.1	1.2	3.8	1.3	2.8		0.9	0.5	0.4	1.1	2.0	0.5
% residential treatment facilities	2.4	0.1	0.4	0.2	0.2		0.1	0.6	0.1	0.3	0.1	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	0.1
% suppliers	4.1	0.2	7.0	23.5	11.4		3.8	6.4	5.0	8.0	6.7	2.3
% transportation services	0.8	0.0	2.6	0.9	1.1		1.3	0.9	0.6	1.5	1.6	0.5
% nonmedical	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0

2010 MAX All Provider Characteristics Cross State Validation Table
Last Update: 04/18/2013

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	6,849	18,248	7,940	35,907	66,136		14,978	60,428	55,639	26,604	18,914	17,425
% a sole proprietorship	17.0	16.1	10.6	18.8	24.9		21.7	14.9	14.6	18.3	12.4	17.5
% not a sole proprietorship	74.7	78.9	82.2	73.8	71.0		70.9	78.5	80.4	73.1	77.3	77.6
% not answered	8.3	4.9	7.2	7.4	4.1		7.4	6.6	5.0	8.6	10.4	5.0
Provider IDs with Entity Type = Organization												
Number of provider IDs with entity type = organization	1,313	959	4,876	35,203	25,765		1,957	15,367	12,829	7,474	9,960	2,057
% organization is a subpart	8.1	8.3	11.0	31.7	14.8		8.8	10.1	13.4	10.0	13.7	10.1
% organization is not a subpart	55.9	64.4	70.2	61.9	67.7		65.5	73.2	69.9	72.1	74.2	70.2
% not answered	36.0	27.2	18.9	6.4	17.5		25.7	16.7	16.7	17.9	12.1	19.8

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics File, 2010.
Note: ID, KS, ME, ND, NJ and UT were not included in MAXPC 2010 because the corresponding MSIS files were unavailable or contained significant data problems.

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