

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

**State-Specific Validation Tables,
2011**

June 28, 2013

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Policy Research

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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 and 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 classified into two groups: (1) individuals or groups of individuals, and (2) nonindividuals. The sixth section focuses on individual providers showing their sole proprietorship status. Finally, the seventh section focuses on provider organizations and their ownership status.

The columns in the state-specific tables describe the annual statistics for up to three years, followed by a column describing the percentage change between year one and year two, the percentage change between year two and year three, if applicable, followed by the expected

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

range of values across years, and finally, an indicator showing whether the percentage change between the two most recent years being compared is within the expected range.

The primary source of data used in the MAXPC 2011 files were 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.

2009-2011 MAX IP Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
IP Providers								
Number of provider IDs	837	849	806	1.43	-5.06	30% (+/-)	Yes	Yes
% billing provider on IP claim	48.4	48.1	47.9	-0.68	-0.35	N/A	N/A	N/A
% NPI billing provider on IP claim	51.6	51.9	52.1	0.64	0.32	N/A	N/A	N/A
% also a provider on LT claim	7.3	8.4	7.7	14.75	-8.02	N/A	N/A	N/A
% also a provider on OT claim	91.3	91.8	90.1	0.52	-1.83	N/A	N/A	N/A
% also a provider on RX claim	11.6	9.0	6.3	-22.75	-29.32	N/A	N/A	N/A
% provider IDs with NPI	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of IP claims	442.2	485.4	535.9	9.77	10.40	30% (+/-)	Yes	Yes
average number of beneficiaries with IP claims	372.8	370.9	382.5	-0.53	3.13	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	837	849	806	1.43	-5.06	30% (+/-)	Yes	Yes
% NPI source = MSIS	95.7	95.9	95.8	0.19	-0.10	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.4	0.5	0.4	31.56	-20.97	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	3.9	3.7	3.8	-7.41	5.35	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	837	849	806	1.43	-5.06	30% (+/-)	Yes	Yes
% linked via NPI	99.6	99.5	99.6	-0.11	0.10	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.4	0.5	0.4	31.56	-20.97	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with first name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with middle name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with last name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% female	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with credential	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with business name	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with address line 1	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with city	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with state	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% state = IP state code	47.6	48.8	47.8	2.55	-2.04	30% (+/-)	Yes	Yes
% with zip code	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with primary taxonomy	100.0	99.3	99.8	-0.71	0.46	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with provider entity type = organization	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
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	Div by 0	Div by 0	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX IP Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	837	843	804	0.72	-4.63	30% (+/-)	Yes	Yes
% individual or group of individuals	1.9	0.8	0.2	-56.59	-70.03	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.7	0.6	0.2	-17.29	-58.05	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.7	0.2	0.0	-66.95	-100.00	30% (+/-)	Yes	Yes
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.2	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% eye and vision service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% pharmacy service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% podiatric medicine and surgery service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% speech, language, and hearing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% student health care	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% group of individuals with multi- or single specialty	0.2	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonindividuals	98.1	99.2	99.8	1.10	0.59	30% (+/-)	Yes	Yes
% agencies	0.2	0.5	0.0	98.33	-100.00	30% (+/-)	Yes	Yes
% ambulatory health care facilities	1.7	1.7	0.6	-0.72	-62.56	30% (+/-)	Yes	Yes
% hospital units	7.4	7.1	7.5	-3.92	4.86	30% (+/-)	Yes	Yes
% hospitals	87.1	89.6	91.4	2.83	2.07	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing and custodial care facilities	0.0	0.1	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% residential treatment facilities	0.6	0.2	0.2	-60.30	4.96	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% transportation services	1.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	0	0	0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	837	849	806	1.43	-5.06	30% (+/-)	Yes	Yes
% organization is a subpart	10.4	10.0	10.0	-3.68	0.38	30% (+/-)	Yes	Yes
% organization is not a subpart	76.1	81.0	82.9	6.48	2.27	30% (+/-)	Yes	Yes
% not answered	13.5	9.0	7.1	-33.69	-21.00	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

^a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

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2009-2011 MAX LT Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
LT Providers								
Number of provider IDs	2,012	2,033	2,035	1.04	0.10	30% (+/-)	Yes	Yes
% billing provider on LT claim	53.1	53.5	53.1	0.82	-0.74	N/A	N/A	N/A
% NPI billing provider on LT claim	46.9	46.5	46.9	-0.93	0.85	N/A	N/A	N/A
% also a provider on IP claim	3.0	3.5	3.0	15.17	-12.75	N/A	N/A	N/A
% also a provider on OT claim	8.8	7.0	6.4	-20.04	-9.18	N/A	N/A	N/A
% also a provider on RX claim	0.4	0.4	0.1	-0.89	-66.72	N/A	N/A	N/A
% provider IDs with NPI	100.0	100.0	100.0	0.05	0.00	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	100.0	100.0	100.0	0.05	0.00	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.1	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
average number of LT claims	789.0	818.4	846.8	3.72	3.48	30% (+/-)	Yes	Yes
average number of beneficiaries with LT claims	49.2	50.1	50.5	1.78	0.84	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	2,011	2,033	2,035	1.09	0.10	30% (+/-)	Yes	Yes
% NPI source = MSIS	99.1	99.4	99.3	0.31	-0.05	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.2	0.3	0.3	72.86	-0.01	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	0.7	0.3	0.3	-60.46	16.60	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	2,011	2,033	2,035	1.09	0.10	30% (+/-)	Yes	Yes
% linked via NPI	99.8	99.7	99.7	-0.15	0.00	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.2	0.3	0.3	72.86	-0.01	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with first name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with middle name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with last name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% female	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with credential	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with business name	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with address line 1	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with city	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with state	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% state = LT state code	99.5	99.6	99.6	0.10	0.00	30% (+/-)	Yes	Yes
% with zip code	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with primary taxonomy	99.3	98.5	98.6	-0.78	0.15	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with provider entity type = organization	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
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	1	0	0	-100.00	Div by 0	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

^a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

^b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX LT Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	1,996	2,002	2,007	0.30	0.25	30% (+/-)	Yes	Yes
% individual or group of individuals	0.5	0.3	0.2	-44.57	-0.35	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.0	0.1	0.1	Div by 0	-0.35	30% (+/-)	N/A	Yes
% behavioral health and social service providers	0.2	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% eye and vision service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% pharmacy service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% podiatric medicine and surgery service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% speech, language, and hearing service providers	0.2	0.2	0.1	0.00	-0.35	30% (+/-)	Yes	Yes
% student health care	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	99.5	99.8	99.8	0.20	0.00	30% (+/-)	Yes	Yes
% agencies	2.2	3.2	3.0	45.05	-6.49	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.3	0.5	0.2	99.20	-50.17	30% (+/-)	Yes	Yes
% hospital units	0.5	0.5	0.3	-0.22	-22.49	30% (+/-)	Yes	Yes
% hospitals	2.7	2.4	2.6	-9.68	8.05	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing and custodial care facilities	73.6	73.4	73.8	-0.37	0.57	30% (+/-)	Yes	Yes
% residential treatment facilities	20.2	19.8	19.8	-1.78	-0.25	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% transportation services	0.2	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	0	0	0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	2,011	2,033	2,035	1.09	0.10	30% (+/-)	Yes	Yes
% organization is a subpart	3.9	6.0	6.8	52.77	13.82	30% (+/-)	Yes	Yes
% organization is not a subpart	47.6	55.2	56.5	15.85	2.40	30% (+/-)	Yes	Yes
% not answered	48.4	38.8	36.7	-19.87	-5.54	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX OT Servicing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
OT Providers								
Number of provider IDs	61,073	56,753	58,393	-7.07	2.89	30% (+/-)	Yes	Yes
% billing provider on OT claim	12.0	12.2	11.8	1.77	-3.36	N/A	N/A	N/A
% servicing provider on OT claim	55.3	49.7	49.7	-10.18	0.14	N/A	N/A	N/A
% NPI servicing provider on OT claim	44.7	50.3	50.3	12.59	-0.14	N/A	N/A	N/A
% also a provider on IP claim	0.9	1.0	0.9	11.77	-8.75	N/A	N/A	N/A
% also a provider on LT claim	0.2	0.2	0.2	-27.54	3.15	N/A	N/A	N/A
% also a provider on RX claim	28.1	31.8	32.1	13.24	0.83	N/A	N/A	N/A
% provider IDs with NPI	97.3	97.5	96.5	0.17	-1.00	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	95.6	96.0	95.4	0.43	-0.68	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	1.1	1.0	0.9	-8.88	-5.69	N/A	N/A	N/A
average number of OT claims	1,092.1	1,207.3	1,175.2	10.55	-2.66	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	178.4	203.5	205.3	14.07	0.87	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	59,429	55,321	56,349	-6.91	1.86	30% (+/-)	Yes	Yes
% NPI source = MSIS	84.4	83.6	84.4	-0.97	0.93	30% (+/-)	Yes	Yes
% NPI source = NPPES	4.9	6.5	6.3	32.37	-2.89	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	10.7	9.9	9.3	-7.16	-5.92	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	58,386	54,491	55,686	-6.67	2.19	30% (+/-)	Yes	Yes
% linked via NPI	95.0	93.4	93.6	-1.68	0.23	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	4.9	6.6	6.4	34.39	-3.22	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% with name prefix	28.9	32.5	33.0	12.22	1.65	30% (+/-)	Yes	Yes
% with first name	72.2	80.3	81.5	11.24	1.51	30% (+/-)	Yes	Yes
% with middle name	56.0	62.7	63.7	11.99	1.61	30% (+/-)	Yes	Yes
% with last name	72.2	80.3	81.5	11.24	1.51	30% (+/-)	Yes	Yes
% with name suffix	1.9	2.1	2.1	8.11	-1.38	30% (+/-)	Yes	Yes
% male	48.2	52.8	52.8	9.64	-0.14	30% (+/-)	Yes	Yes
% female	24.0	27.5	28.7	14.47	4.68	30% (+/-)	Yes	Yes
% with credential	70.4	78.4	79.6	11.34	1.50	30% (+/-)	Yes	Yes
% with business name	27.8	19.2	18.2	-30.81	-5.35	30% (+/-)	No	Yes
% with address line 1	100.0	99.5	99.7	-0.45	0.18	30% (+/-)	Yes	Yes
% with city	100.0	99.5	99.7	-0.45	0.18	30% (+/-)	Yes	Yes
% with state	100.0	99.5	99.7	-0.45	0.18	30% (+/-)	Yes	Yes
% state = OT state code	78.7	75.5	75.5	-4.08	0.06	30% (+/-)	Yes	Yes
% with zip code	100.0	99.5	99.7	-0.45	0.18	30% (+/-)	Yes	Yes
% with primary taxonomy	99.3	98.6	98.8	-0.72	0.22	30% (+/-)	Yes	Yes
% with provider entity type = individual	72.2	80.3	81.5	11.24	1.51	30% (+/-)	Yes	Yes
% with provider entity type = organization	27.8	19.2	18.2	-30.81	-5.35	30% (+/-)	No	Yes
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	674	571	554	-15.28	-2.98	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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2009-2011 MAX OT Servicing Provider Characteristics Validation Table

State: IN

Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	58,390	53,712	55,010	-8.01	2.42	30% (+/-)	Yes	Yes
% individual or group of individuals	77.4	86.3	86.5	11.52	0.31	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	54.9	60.5	60.1	10.21	-0.57	30% (+/-)	Yes	Yes
% behavioral health and social service providers	2.2	2.6	2.5	17.92	-2.09	30% (+/-)	Yes	Yes
% chiropractic providers	1.8	2.0	1.9	9.14	-4.55	30% (+/-)	Yes	Yes
% dental providers	4.4	4.7	4.7	7.18	-1.05	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	-57.69	-33.90	30% (+/-)	Yes	Yes
% emergency medical service providers	0.1	0.1	0.1	19.54	-19.60	30% (+/-)	Yes	Yes
% eye and vision service providers	2.5	2.8	2.9	12.75	2.82	30% (+/-)	Yes	Yes
% nursing service providers	0.3	0.1	0.1	-52.92	2.80	30% (+/-)	Yes	Yes
% nursing service-related providers	0.2	0.0	0.0	-72.89	-19.21	30% (+/-)	Yes	Yes
% other service providers	1.1	1.7	1.5	55.49	-8.02	30% (+/-)	Yes	Yes
% pharmacy service providers	0.1	0.0	0.0	-58.21	10.37	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	5.9	7.8	8.7	32.85	11.76	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.0	1.2	1.1	12.32	-5.97	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.5	1.7	1.7	18.25	0.24	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.8	0.8	0.7	7.98	-8.21	30% (+/-)	Yes	Yes
% student health care	0.1	0.1	0.2	21.78	87.70	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	18.52	-20.47	30% (+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.6	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonindividuals	22.6	13.7	13.5	-39.37	-1.98	30% (+/-)	No	Yes
% agencies	6.0	1.7	1.7	-71.17	-0.43	30% (+/-)	Yes	Yes
% ambulatory health care facilities	1.8	1.3	1.3	-28.18	0.85	30% (+/-)	Yes	Yes
% hospital units	0.1	0.1	0.1	18.68	4.36	30% (+/-)	Yes	Yes
% hospitals	6.6	1.9	1.8	-71.98	-4.23	30% (+/-)	Yes	Yes
% laboratories	0.5	0.6	0.6	28.29	-2.43	30% (+/-)	Yes	Yes
% managed care organizations	0.0	0.0	0.0	111.11	-4.32	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.3	0.2	0.2	-28.30	10.98	30% (+/-)	Yes	Yes
% residential treatment facilities	0.2	0.1	0.1	-11.26	4.46	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	12.90	-6.51	30% (+/-)	Yes	Yes
% suppliers	6.0	6.5	6.4	8.52	-2.91	30% (+/-)	Yes	Yes
% transportation services	1.2	1.2	1.2	3.38	-1.60	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	42,145	43,756	45,391	3.82	3.74	30% (+/-)	Yes	Yes
% a sole proprietorship	13.8	13.9	13.9	0.82	-0.63	30% (+/-)	Yes	Yes
% not a sole proprietorship	77.7	80.7	81.2	3.86	0.60	30% (+/-)	Yes	Yes
% not answered	8.4	5.3	4.9	-36.98	-7.50	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	16,241	10,488	10,145	-35.42	-3.27	30% (+/-)	No	Yes
% organization is a subpart	11.7	14.0	14.4	19.76	2.96	30% (+/-)	Yes	Yes
% organization is not a subpart	62.6	70.5	70.7	12.64	0.29	30% (+/-)	Yes	Yes
% not answered	25.8	15.5	14.9	-39.66	-3.98	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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2009-2011 MAX OT Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
OT Providers								
Number of provider IDs	11,374	11,358	11,219	-0.14	-1.22	30% (+/-)	Yes	Yes
% billing provider on OT claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% servicing provider on OT claim	64.6	61.2	61.6	-5.30	0.67	N/A	N/A	N/A
% NPI servicing provider on OT claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on IP claim	3.3	3.3	3.1	0.94	-6.26	N/A	N/A	N/A
% also a provider on LT claim	0.7	0.6	0.4	-15.51	-22.09	N/A	N/A	N/A
% also a provider on RX claim	9.2	9.4	9.4	1.57	-0.19	N/A	N/A	N/A
% provider IDs with NPI	95.8	92.7	89.7	-3.16	-3.25	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	95.5	92.7	89.7	-2.86	-3.25	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	4.2	4.1	3.8	-0.51	-6.96	N/A	N/A	N/A
average number of OT claims	4,130.8	4,474.5	4,497.3	8.32	0.51	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	558.9	590.3	601.4	5.61	1.89	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	10,891	10,532	10,065	-3.30	-4.43	30% (+/-)	Yes	Yes
% NPI source = MSIS	52.3	50.9	52.3	-2.60	2.75	30% (+/-)	Yes	Yes
% NPI source = NPPES	5.1	6.4	6.3	25.01	-2.32	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	42.6	42.6	41.4	0.17	-2.93	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	10,857	10,532	10,065	-2.99	-4.43	30% (+/-)	Yes	Yes
% linked via NPI	94.8	93.6	93.7	-1.34	0.16	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	5.1	6.4	6.3	24.66	-2.33	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	0.00	10.39	30% (+/-)	Yes	Yes
% with name prefix	18.0	17.2	16.7	-4.06	-2.80	30% (+/-)	Yes	Yes
% with first name	27.0	25.5	24.6	-5.70	-3.28	30% (+/-)	Yes	Yes
% with middle name	23.2	21.9	21.1	-5.87	-3.41	30% (+/-)	Yes	Yes
% with last name	27.0	25.5	24.6	-5.70	-3.28	30% (+/-)	Yes	Yes
% with name suffix	1.1	1.1	1.0	-4.38	-9.93	30% (+/-)	Yes	Yes
% male	21.0	19.6	18.9	-6.47	-3.52	30% (+/-)	Yes	Yes
% female	6.0	5.8	5.7	-3.05	-2.50	30% (+/-)	Yes	Yes
% with credential	26.0	24.5	23.7	-6.07	-3.07	30% (+/-)	Yes	Yes
% with business name	73.0	74.1	75.1	1.50	1.33	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.6	99.7	-0.45	0.15	30% (+/-)	Yes	Yes
% with city	100.0	99.6	99.7	-0.45	0.15	30% (+/-)	Yes	Yes
% with state	100.0	99.6	99.7	-0.45	0.15	30% (+/-)	Yes	Yes
% state = OT state code	84.0	83.1	83.1	-0.96	-0.02	30% (+/-)	Yes	Yes
% with zip code	100.0	99.6	99.7	-0.45	0.15	30% (+/-)	Yes	Yes
% with primary taxonomy	98.4	97.9	98.1	-0.46	0.21	30% (+/-)	Yes	Yes
% with provider entity type = individual	27.0	25.5	24.6	-5.70	-3.28	30% (+/-)	Yes	Yes
% with provider entity type = organization	73.0	74.1	75.1	1.50	1.33	30% (+/-)	Yes	Yes
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	472	469	431	-0.64	-8.10	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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2009-2011 MAX OT Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	10,715	10,314	9,877	-3.74	-4.24	30% (+/-)	Yes	Yes
% individual or group of individuals	59.3	57.7	56.3	-2.67	-2.40	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	30.4	28.8	27.4	-5.40	-4.66	30% (+/-)	Yes	Yes
% behavioral health and social service providers	3.4	3.4	3.4	1.31	0.27	30% (+/-)	Yes	Yes
% chiropractic providers	4.8	4.6	4.6	-3.22	-1.03	30% (+/-)	Yes	Yes
% dental providers	9.8	10.1	10.3	2.32	2.11	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% emergency medical service providers	0.1	0.1	0.1	27.38	-14.84	30% (+/-)	Yes	Yes
% eye and vision service providers	3.7	3.9	4.0	3.38	3.63	30% (+/-)	Yes	Yes
% nursing service providers	0.1	0.0	0.0	-42.86	-15.63	30% (+/-)	Yes	Yes
% nursing service-related providers	0.2	0.1	0.1	-29.27	-2.25	30% (+/-)	Yes	Yes
% other service providers	2.4	2.9	2.7	21.14	-7.33	30% (+/-)	Yes	Yes
% pharmacy service providers	0.2	0.1	0.1	-60.20	16.82	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	0.5	0.6	0.5	5.74	-4.80	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.4	1.4	1.4	2.50	-2.64	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.9	0.9	0.9	5.01	-5.71	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.7	0.7	0.6	-3.23	-1.67	30% (+/-)	Yes	Yes
% student health care	0.0	0.0	0.0	Div by 0	1.25	30% (+/-)	N/A	Yes
% technologists, technicians, and other technical service providers	0.1	0.1	0.1	4.62	-10.67	30% (+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.6	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonindividuals	40.7	42.3	43.7	3.89	3.28	30% (+/-)	Yes	Yes
% agencies	5.9	6.4	6.7	6.98	5.23	30% (+/-)	Yes	Yes
% ambulatory health care facilities	4.9	5.2	5.2	7.49	-0.81	30% (+/-)	Yes	Yes
% hospital units	0.3	0.3	0.3	0.00	12.49	30% (+/-)	Yes	Yes
% hospitals	7.1	7.3	7.6	3.19	3.32	30% (+/-)	Yes	Yes
% laboratories	1.4	1.6	1.7	20.25	5.01	30% (+/-)	Yes	Yes
% managed care organizations	0.1	0.1	0.1	39.29	3.84	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.8	0.6	0.6	-24.62	-8.25	30% (+/-)	Yes	Yes
% residential treatment facilities	0.5	0.7	0.6	24.28	-3.43	30% (+/-)	Yes	Yes
% respite care facility	0.1	0.1	0.1	3.57	16.37	30% (+/-)	Yes	Yes
% suppliers	16.3	16.9	17.5	3.59	3.58	30% (+/-)	Yes	Yes
% transportation services	3.5	3.2	3.4	-6.49	5.98	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	2,931	2,681	2,478	-8.53	-7.57	30% (+/-)	Yes	Yes
% a sole proprietorship	54.3	56.7	57.1	4.45	0.58	30% (+/-)	Yes	Yes
% not a sole proprietorship	35.4	34.6	34.1	-2.27	-1.26	30% (+/-)	Yes	Yes
% not answered	10.3	8.7	8.8	-15.65	1.22	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	7,926	7,804	7,557	-1.54	-3.17	30% (+/-)	Yes	Yes
% organization is a subpart	11.0	11.4	11.6	4.49	1.65	30% (+/-)	Yes	Yes
% organization is not a subpart	67.3	71.7	72.2	6.42	0.77	30% (+/-)	Yes	Yes
% not answered	21.7	16.9	16.2	-22.16	-4.41	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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^b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
RX Providers								
Number of provider IDs	2,726	2,742	2,731	0.59	-0.40	30% (+/-)	Yes	Yes
% billing provider on RX claim	49.7	49.7	49.7	0.00	-0.04	N/A	N/A	N/A
% prescribing provider on RX claim	1.1	0.7	0.6	-34.87	-15.46	N/A	N/A	N/A
% NPI billing provider on RX claim	50.3	50.3	50.3	0.00	0.04	N/A	N/A	N/A
% also a provider on IP claim	0.1	0.3	0.2	131.82	-28.20	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on OT claim	81.2	82.1	81.4	1.08	-0.85	N/A	N/A	N/A
% provider IDs with NPI	100.0	100.0	99.9	0.00	-0.07	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	99.5	100.0	99.9	0.52	-0.07	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.5	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
average number of RX claims	8,672.4	10,531.0	10,874.9	21.43	3.27	30% (+/-)	Yes	Yes
average number of beneficiaries with RX claims	896.8	972.2	997.6	8.41	2.61	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	2,726	2,742	2,729	0.59	-0.47	30% (+/-)	Yes	Yes
% NPI source = MSIS	98.8	99.1	99.0	0.38	-0.08	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.3	0.2	0.2	-37.88	0.67	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	1.0	0.7	0.8	-27.36	11.04	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	2,712	2,742	2,729	1.11	-0.47	30% (+/-)	Yes	Yes
% linked via NPI	99.7	99.8	99.8	0.11	0.00	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.3	0.2	0.2	-38.31	0.67	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with first name	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with middle name	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with last name	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% female	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with credential	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with business name	100.0	99.4	99.6	-0.58	0.22	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.4	99.7	-0.58	0.29	30% (+/-)	Yes	Yes
% with city	100.0	99.4	99.7	-0.58	0.29	30% (+/-)	Yes	Yes
% with state	100.0	99.4	99.7	-0.58	0.29	30% (+/-)	Yes	Yes
% state = RX state code	87.7	86.6	87.5	-1.22	0.98	30% (+/-)	Yes	Yes
% with zip code	100.0	99.4	99.7	-0.58	0.29	30% (+/-)	Yes	Yes
% with primary taxonomy	99.2	98.7	99.0	-0.54	0.37	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with provider entity type = organization	100.0	99.4	99.6	-0.58	0.22	30% (+/-)	Yes	Yes
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	14	0	0	-100.00	Div by 0	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Billing Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	2,705	2,706	2,703	0.04	-0.11	30% (+/-)	Yes	Yes
% individual or group of individuals	3.7	1.1	1.3	-70.30	13.42	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.1	0.1	0.3	-50.00	299.96	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% eye and vision service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% pharmacy service providers	3.5	1.0	0.9	-70.53	-14.21	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% podiatric medicine and surgery service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% speech, language, and hearing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% student health care	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% group of individuals with multi- or single specialty	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonindividuals	96.3	98.9	98.7	2.73	-0.15	30% (+/-)	Yes	Yes
% agencies	0.4	0.2	0.3	-50.00	39.98	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.2	0.3	0.3	33.33	-0.01	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospitals	0.2	0.6	0.5	166.22	-12.36	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.1	0.1	Div by 0	-0.01	30% (+/-)	N/A	Yes
% nursing and custodial care facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% residential treatment facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	95.5	97.7	97.5	2.32	-0.15	30% (+/-)	Yes	Yes
% transportation services	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	0	0	2	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% a sole proprietorship	0.0	0.0	100.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	2,712	2,726	2,719	0.52	-0.26	30% (+/-)	Yes	Yes
% organization is a subpart	28.5	28.4	28.9	-0.26	1.55	30% (+/-)	Yes	Yes
% organization is not a subpart	65.6	67.5	67.4	2.84	-0.12	30% (+/-)	Yes	Yes
% not answered	5.9	4.1	3.8	-30.36	-8.70	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Prescribing Provider Characteristics Validation Table

State: IN

Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
RX Providers								
Number of provider IDs	32,015	35,099	35,209	9.63	0.31	30% (+/-)	Yes	Yes
% billing provider on RX claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% prescribing provider on RX claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% NPI billing provider on RX claim	0.1	0.1	0.0	-40.66	-15.85	N/A	N/A	N/A
% also a provider on IP claim	0.3	0.2	0.1	-32.67	-33.92	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.0	-7.14	-67.23	N/A	N/A	N/A
% also a provider on OT claim	46.8	45.1	47.0	-3.61	4.13	N/A	N/A	N/A
% provider IDs with NPI	46.8	45.1	47.0	-3.63	4.15	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	46.7	45.1	47.0	-3.38	4.15	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.1	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
average number of RX claims	375.1	422.3	431.6	12.58	2.22	30% (+/-)	Yes	Yes
average number of beneficiaries with RX claims	65.1	63.0	63.9	-3.26	1.44	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	14,993	15,840	16,549	5.65	4.48	30% (+/-)	Yes	Yes
% NPI source = MSIS	99.9	99.9	99.9	0.00	-0.03	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.1	0.1	0.1	-5.00	59.02	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	14,953	15,840	16,549	5.93	4.48	30% (+/-)	Yes	Yes
% linked via NPI	99.9	99.9	99.9	0.00	-0.03	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% linked via Medicare UPIN	0.1	0.1	0.1	5.56	37.82	30% (+/-)	Yes	Yes
% with name prefix	40.3	40.6	41.1	0.78	1.20	30% (+/-)	Yes	Yes
% with first name	97.4	97.6	98.3	0.19	0.69	30% (+/-)	Yes	Yes
% with middle name	77.6	78.2	78.5	0.79	0.42	30% (+/-)	Yes	Yes
% with last name	97.4	97.6	98.3	0.19	0.69	30% (+/-)	Yes	Yes
% with name suffix	2.8	2.8	2.6	0.32	-5.58	30% (+/-)	Yes	Yes
% male	66.8	65.5	64.3	-1.85	-1.92	30% (+/-)	Yes	Yes
% female	30.7	32.1	34.0	4.61	6.03	30% (+/-)	Yes	Yes
% with credential	95.6	95.7	96.3	0.10	0.64	30% (+/-)	Yes	Yes
% with business name	2.6	1.8	1.4	-28.04	-25.57	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.5	99.7	-0.54	0.21	30% (+/-)	Yes	Yes
% with city	100.0	99.5	99.7	-0.54	0.21	30% (+/-)	Yes	Yes
% with state	100.0	99.5	99.7	-0.54	0.21	30% (+/-)	Yes	Yes
% state = RX state code	85.0	83.1	83.3	-2.26	0.21	30% (+/-)	Yes	Yes
% with zip code	100.0	99.5	99.7	-0.54	0.21	30% (+/-)	Yes	Yes
% with primary taxonomy	99.5	98.8	99.0	-0.62	0.21	30% (+/-)	Yes	Yes
% with provider entity type = individual	97.4	97.6	98.3	0.19	0.69	30% (+/-)	Yes	Yes
% with provider entity type = organization	2.6	1.8	1.4	-28.04	-25.57	30% (+/-)	Yes	Yes
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	38	0	0	-100.00	Div by 0	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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^b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Prescribing Provider Characteristics Validation Table

State: IN

Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	14,911	15,656	16,391	5.00	4.69	30% (+/-)	Yes	Yes
% individual or group of individuals	98.2	99.0	99.3	0.86	0.31	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	75.8	74.4	73.6	-1.86	-1.13	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.2	0.2	0.2	-29.82	-4.67	30% (+/-)	Yes	Yes
% chiropractic providers	0.1	0.1	0.1	-31.91	-42.80	30% (+/-)	Yes	Yes
% dental providers	7.2	7.3	7.2	1.93	-1.05	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.1	0.1	0.1	-14.18	-25.73	30% (+/-)	Yes	Yes
% eye and vision service providers	3.4	3.4	3.4	-0.39	2.59	30% (+/-)	Yes	Yes
% nursing service providers	0.2	0.1	0.1	-21.43	15.97	30% (+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	-53.85	1.68	30% (+/-)	Yes	Yes
% other service providers	1.1	1.8	1.6	54.46	-7.96	30% (+/-)	Yes	Yes
% pharmacy service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% physician assistants and advanced practice nursing providers	7.8	10.0	11.3	27.91	12.61	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.4	1.4	1.3	-2.50	-2.71	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.1	0.0	29.73	-49.16	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.1	0.0	0.0	-56.67	-6.14	30% (+/-)	Yes	Yes
% student health care	0.2	0.2	0.3	-4.97	91.54	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	-53.85	1.68	30% (+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.4	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonindividuals	1.8	1.0	0.7	-46.56	-31.51	30% (+/-)	Yes	Yes
% agencies	0.2	0.1	0.1	-48.85	-10.89	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.4	0.2	0.1	-45.76	-33.50	30% (+/-)	Yes	Yes
% hospital units	0.1	0.0	0.0	-16.67	-18.65	30% (+/-)	Yes	Yes
% hospitals	0.9	0.5	0.3	-49.17	-35.01	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	-53.07	30% (+/-)	N/A	Yes
% nursing and custodial care facilities	0.0	0.0	0.0	-53.85	-100.00	30% (+/-)	Yes	Yes
% residential treatment facilities	0.0	0.0	0.0	0.00	-6.14	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.2	0.1	0.1	-45.25	-34.45	30% (+/-)	Yes	Yes
% transportation services	0.0	0.0	0.0	-72.34	-53.07	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	14,570	15,463	16,267	6.13	5.20	30% (+/-)	Yes	Yes
% a sole proprietorship	13.7	14.0	13.9	2.23	-1.18	30% (+/-)	Yes	Yes
% not a sole proprietorship	78.4	81.5	82.1	3.89	0.75	30% (+/-)	Yes	Yes
% not answered	7.8	4.5	4.0	-42.86	-9.88	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	383	292	227	-23.76	-22.26	30% (+/-)	Yes	Yes
% organization is a subpart	13.6	13.0	14.5	-4.15	11.71	30% (+/-)	Yes	Yes
% organization is not a subpart	62.7	69.5	68.7	10.94	-1.15	30% (+/-)	Yes	Yes
% not answered	23.8	17.5	16.7	-26.49	-4.16	N/A	N/A	N/A

Source: Medicaid Analytic eExtract (MAX) Provider Characteristics Files, 2009-2011.

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^b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX All Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
All Providers								
Number of provider IDs	84,537	82,869	83,862	-1.97	1.20	30%(+/-)	Yes	Yes
% billing provider on IP claim	0.5	0.5	0.5	2.71	-6.45	N/A	N/A	N/A
% NPI billing provider on IP claim	0.5	0.5	0.5	4.11	-5.86	N/A	N/A	N/A
% billing provider on LT claim	1.3	1.3	1.3	3.96	-1.83	N/A	N/A	N/A
% NPI billing provider on LT claim	1.1	1.1	1.1	2.06	-0.21	N/A	N/A	N/A
% billing provider on OT claim	13.5	13.7	13.4	1.87	-2.39	N/A	N/A	N/A
% servicing provider on OT claim	39.9	34.0	34.6	-14.86	1.81	N/A	N/A	N/A
% NPI servicing provider on OT claim	32.3	34.5	35.0	6.73	1.53	N/A	N/A	N/A
% billing provider on RX claim	1.6	1.6	1.6	2.62	-1.62	N/A	N/A	N/A
% prescribing provider on RX claim	37.9	42.4	42.0	11.84	-0.87	N/A	N/A	N/A
% NPI billing provider on RX claim	1.6	1.7	1.6	2.59	-1.55	N/A	N/A	N/A
% billing provider	15.0	15.3	15.0	2.08	-2.08	N/A	N/A	N/A
% NPI billing provider	3.2	3.3	3.2	2.49	-1.67	N/A	N/A	N/A
% servicing provider	39.9	34.0	34.6	-14.86	1.81	N/A	N/A	N/A
% NPI servicing provider	32.3	34.5	35.0	6.73	1.53	N/A	N/A	N/A
% prescribing provider	37.9	42.4	42.0	11.84	-0.87	N/A	N/A	N/A
% provider IDs with NPI	77.8	74.6	74.7	-4.10	0.03	30%(+/-)	Yes	Yes
% provider IDs linked to NPPES	76.6	73.6	73.9	-3.85	0.31	30%(+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.8	0.8	0.7	-10.41	-3.12	N/A	N/A	N/A
average number of claims	1,520.1	1,712.2	1,697.0	12.64	-0.89	30%(+/-)	Yes	Yes
average number of beneficiaries with claims	221.7	241.4	244.3	8.85	1.19	30%(+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	65,800	61,859	62,617	-5.99	1.23	30%(+/-)	Yes	Yes
% NPI source = MSIS	80.3	79.1	80.2	-1.43	1.44	30%(+/-)	Yes	Yes
% NPI source = NPPES	5.0	6.7	6.5	32.10	-2.51	30%(+/-)	Yes	Yes
% NPI source = state cross-reference file	14.7	14.2	13.3	-3.20	-6.82	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	64,749	61,029	61,954	-5.75	1.52	30%(+/-)	Yes	Yes
% linked via NPI	94.9	93.2	93.4	-1.72	0.20	30%(+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	5.0	6.7	6.5	33.86	-2.88	30%(+/-)	Yes	Yes
% linked via Medicare UPIN	0.1	0.0	0.0	-82.80	41.23	30%(+/-)	Yes	Yes
% with name prefix	26.1	29.0	29.7	11.16	2.33	30%(+/-)	Yes	Yes
% with first name	65.2	71.8	73.4	10.16	2.20	30%(+/-)	Yes	Yes
% with middle name	50.5	56.0	57.3	10.91	2.29	30%(+/-)	Yes	Yes
% with last name	65.2	71.8	73.4	10.16	2.20	30%(+/-)	Yes	Yes
% with name suffix	1.7	1.9	1.9	6.98	-0.74	30%(+/-)	Yes	Yes
% male	43.5	47.2	47.5	8.56	0.57	30%(+/-)	Yes	Yes
% female	21.7	24.6	25.9	13.37	5.34	30%(+/-)	Yes	Yes
% with credential	63.6	70.1	71.7	10.26	2.19	30%(+/-)	Yes	Yes
% with business name	34.8	27.8	26.4	-20.24	-5.07	30%(+/-)	Yes	Yes
% with address line 1	100.0	99.6	99.7	-0.43	0.17	30%(+/-)	Yes	Yes
% with city	100.0	99.6	99.7	-0.43	0.17	30%(+/-)	Yes	Yes
% with state	100.0	99.6	99.7	-0.43	0.17	30%(+/-)	Yes	Yes
% state = claim file state code	78.9	76.1	76.1	-3.58	-0.01	30%(+/-)	Yes	Yes
% with zip code	100.0	99.6	99.7	-0.43	0.17	30%(+/-)	Yes	Yes
% with primary taxonomy	99.2	98.5	98.7	-0.67	0.21	30%(+/-)	Yes	Yes

Source: Medicaid Analytic eExtract (MAX) Provider Characteristics Files, 2009-2011.

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2009-2011 MAX All Provider Characteristics Validation Table
 State: IN
 Produced: 05/20/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^a
% with provider entity type = individual	65.2	71.8	73.4	10.16	2.20	30%(+/-)	Yes	Yes
% with provider entity type = organization	34.8	27.8	26.4	-20.24	-5.07	30%(+/-)	Yes	Yes
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	714	627	615	-12.18	-1.91	N/A	N/A	N/A
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	64,655	60,130	61,170	-7.00	1.73	30%(+/-)	Yes	Yes
% individual or group of individuals	74.1	81.4	81.8	9.90	0.52	30%(+/-)	Yes	Yes
% allopathic and osteopathic physicians	52.4	57.0	56.8	8.80	-0.36	30%(+/-)	Yes	Yes
% behavioral health and social service providers	2.2	2.6	2.5	16.31	-2.00	30%(+/-)	Yes	Yes
% chiropractic providers	1.9	2.1	2.0	7.66	-3.56	30%(+/-)	Yes	Yes
% dental providers	4.0	4.2	4.2	5.96	-0.28	30%(+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	-56.52	-34.61	30%(+/-)	Yes	Yes
% emergency medical service providers	0.1	0.1	0.1	13.10	-17.40	30%(+/-)	Yes	Yes
% eye and vision service providers	2.4	2.7	2.8	11.69	3.24	30%(+/-)	Yes	Yes
% nursing service providers	0.3	0.1	0.1	-52.67	2.02	30%(+/-)	Yes	Yes
% nursing service-related providers	0.2	0.0	0.0	-72.55	-18.26	30%(+/-)	Yes	Yes
% other service providers	1.2	1.8	1.6	46.20	-7.93	30%(+/-)	Yes	Yes
% pharmacy service providers	0.2	0.0	0.0	-69.08	-16.52	30%(+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	5.4	7.1	7.9	31.11	12.40	30%(+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.0	1.1	1.0	11.13	-5.98	30%(+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.4	1.6	1.6	16.56	0.58	30%(+/-)	Yes	Yes
% speech, language, and hearing service providers	0.7	0.8	0.7	6.08	-7.40	30%(+/-)	Yes	Yes
% student health care	0.1	0.1	0.2	20.88	88.74	30%(+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	7.14	-23.71	30%(+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.6	0.0	0.0	-100.00	Div by 0	30%(+/-)	Yes	N/A
% nonindividuals	25.9	18.6	18.2	-28.28	-2.29	30%(+/-)	Yes	Yes
% agencies	5.8	2.1	2.2	-63.34	1.76	30%(+/-)	Yes	Yes
% ambulatory health care facilities	2.1	1.9	1.7	-10.71	-11.22	30%(+/-)	Yes	Yes
% hospital units	0.1	0.1	0.1	-2.48	2.52	30%(+/-)	Yes	Yes
% hospitals	7.0	2.8	2.7	-60.72	-2.42	30%(+/-)	Yes	Yes
% laboratories	0.4	0.5	0.5	26.97	-1.67	30%(+/-)	Yes	Yes
% managed care organizations	0.0	0.0	0.0	166.67	-8.04	30%(+/-)	Yes	Yes
% nursing and custodial care facilities	2.4	2.6	2.5	7.99	-1.11	30%(+/-)	Yes	Yes
% residential treatment facilities	0.8	0.8	0.8	5.83	-2.95	30%(+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	14.29	-8.04	30%(+/-)	Yes	Yes
% suppliers	6.2	6.6	6.5	7.39	-1.68	30%(+/-)	Yes	Yes
% transportation services	1.1	1.1	1.1	1.48	-0.93	30%(+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	42,198	43,815	45,456	3.83	3.75	30%(+/-)	Yes	Yes
% a sole proprietorship	13.9	14.0	13.9	0.90	-0.65	30%(+/-)	Yes	Yes
% not a sole proprietorship	77.7	80.7	81.2	3.85	0.61	30%(+/-)	Yes	Yes
% not answered	8.4	5.3	4.9	-36.96	-7.51	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	22,551	16,954	16,338	-24.82	-3.63	30%(+/-)	Yes	Yes
% organization is a subpart	11.0	12.5	13.0	13.27	4.45	30%(+/-)	Yes	Yes
% organization is not a subpart	62.2	69.1	69.2	11.10	0.21	30%(+/-)	Yes	Yes
% not answered	26.8	18.4	17.7	-31.22	-3.80	N/A	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2011.

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