

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

**State-Specific Validation Tables,
2010**

Indiana

May 31, 2013

Deo Bencio
Mei-ling Mason

MATHEMATICA
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

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

percentage change between year two and year three, if applicable, followed by the expected 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 2010 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.

2009-2010 MAX IP Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
IP Providers					
Number of provider IDs	837	849	1.43	30% (+/-)	Yes
% billing provider on IP claim	48.4	48.1	-0.68	N/A	N/A
% NPI billing provider on IP claim	51.6	51.9	0.64	N/A	N/A
% also a provider on LT claim	7.3	8.4	14.75	N/A	N/A
% also a provider on OT claim	91.3	91.8	0.52	N/A	N/A
% also a provider on RX claim	11.6	9.0	-22.75	N/A	N/A
% provider IDs with NPI	100.0	100.0	0.00	30% (+/-)	Yes
% provider IDs linked to NPPES	100.0	100.0	0.00	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of IP claims	442.2	485.4	9.77	30% (+/-)	Yes
average number of beneficiaries with IP claims	372.8	370.9	-0.53	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	837	849	1.43	30% (+/-)	Yes
% NPI source = MSIS	95.7	95.9	0.19	30% (+/-)	Yes
% NPI source = NPPES	0.4	0.5	31.56	30% (+/-)	Yes
% NPI source = state cross-reference file	3.9	3.7	-7.41	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	837	849	1.43	30% (+/-)	Yes
% linked via NPI	99.6	99.5	-0.11	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.4	0.5	31.56	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.0	0.0	Div by 0	30% (+/-)	N/A
% with first name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with middle name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with last name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.0	0.0	Div by 0	30% (+/-)	N/A
% female	0.0	0.0	Div by 0	30% (+/-)	N/A
% with credential	0.0	0.0	Div by 0	30% (+/-)	N/A
% with business name	100.0	100.0	0.00	30% (+/-)	Yes
% with address line 1	100.0	100.0	0.00	30% (+/-)	Yes
% with city	100.0	100.0	0.00	30% (+/-)	Yes
% with state	100.0	100.0	0.00	30% (+/-)	Yes
% state = IP state code	47.6	48.8	2.55	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	100.0	99.3	-0.71	30% (+/-)	Yes
% with provider entity type = individual	0.0	0.0	Div by 0	30% (+/-)	N/A
% with provider entity type = organization	100.0	100.0	0.00	30% (+/-)	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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	837	843	0.72	30% (+/-)	Yes
% individual or group of individuals	1.9	0.8	-56.59	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.7	0.6	-17.29	30% (+/-)	Yes
% behavioral health and social service providers	0.7	0.2	-66.95	30% (+/-)	Yes

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX IP Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
% chiropractic providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dental providers	0.2	0.0	-100.00	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% eye and vision service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.2	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	98.1	99.2	1.10	30% (+/-)	Yes
% agencies	0.2	0.5	98.33	30% (+/-)	Yes
% ambulatory health care facilities	1.7	1.7	-0.72	30% (+/-)	Yes
% hospital units	7.4	7.1	-3.92	30% (+/-)	Yes
% hospitals	87.1	89.6	2.83	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	0.0	0.1	Div by 0	30% (+/-)	N/A
% residential treatment facilities	0.6	0.2	-60.30	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.1	0.0	-100.00	30% (+/-)	Yes
% transportation services	1.0	0.0	-100.00	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	0	0	Div by 0	30% (+/-)	N/A
% a sole proprietorship	0.0	0.0	Div by 0	30% (+/-)	N/A
% not a sole proprietorship	0.0	0.0	Div by 0	30% (+/-)	N/A
% not answered	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	837	849	1.43	30% (+/-)	Yes
% organization is a subpart	10.4	10.0	-3.68	30% (+/-)	Yes
% organization is not a subpart	76.1	81.0	6.48	30% (+/-)	Yes
% not answered	13.5	9.0	-33.69	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX LT Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
LT Providers					
Number of provider IDs	2,012	2,033	1.04	30% (+/-)	Yes
% billing provider on LT claim	53.1	53.5	0.82	N/A	N/A
% NPI billing provider on LT claim	46.9	46.5	-0.93	N/A	N/A
% also a provider on IP claim	3.0	3.5	15.17	N/A	N/A
% also a provider on OT claim	8.8	7.0	-20.04	N/A	N/A
% also a provider on RX claim	0.4	0.4	-0.89	N/A	N/A
% provider IDs with NPI	100.0	100.0	0.05	30% (+/-)	Yes
% provider IDs linked to NPPES	100.0	100.0	0.05	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.1	0.0	-100.00	N/A	N/A
average number of LT claims	789.0	818.4	3.72	30% (+/-)	Yes
average number of beneficiaries with LT claims	49.2	50.1	1.78	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	2,011	2,033	1.09	30% (+/-)	Yes
% NPI source = MSIS	99.1	99.4	0.31	30% (+/-)	Yes
% NPI source = NPPES	0.2	0.3	72.86	30% (+/-)	Yes
% NPI source = state cross-reference file	0.7	0.3	-60.46	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	2,011	2,033	1.09	30% (+/-)	Yes
% linked via NPI	99.8	99.7	-0.15	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.2	0.3	72.86	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.0	0.0	Div by 0	30% (+/-)	N/A
% with first name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with middle name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with last name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.0	0.0	Div by 0	30% (+/-)	N/A
% female	0.0	0.0	Div by 0	30% (+/-)	N/A
% with credential	0.0	0.0	Div by 0	30% (+/-)	N/A
% with business name	100.0	100.0	0.00	30% (+/-)	Yes
% with address line 1	100.0	100.0	0.00	30% (+/-)	Yes
% with city	100.0	100.0	0.00	30% (+/-)	Yes
% with state	100.0	100.0	0.00	30% (+/-)	Yes
% state = LT state code	99.5	99.6	0.10	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	99.3	98.5	-0.78	30% (+/-)	Yes
% with provider entity type = individual	0.0	0.0	Div by 0	30% (+/-)	N/A
% with provider entity type = organization	100.0	100.0	0.00	30% (+/-)	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	-100.00	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	1,996	2,002	0.30	30% (+/-)	Yes
% individual or group of individuals	0.5	0.3	-44.57	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.0	0.1	Div by 0	30% (+/-)	N/A
% behavioral health and social service providers	0.2	0.0	-100.00	30% (+/-)	Yes

Source: Medicaid Analytic eExtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX LT Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

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

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX OT Servicing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
OT Providers					
Number of provider IDs	61,073	56,753	-7.07	30% (+/-)	Yes
% billing provider on OT claim	12.0	12.2	1.77	N/A	N/A
% servicing provider on OT claim	55.3	49.7	-10.18	N/A	N/A
% NPI servicing provider on OT claim	44.7	50.3	12.59	N/A	N/A
% also a provider on IP claim	0.9	1.0	11.77	N/A	N/A
% also a provider on LT claim	0.2	0.2	-27.54	N/A	N/A
% also a provider on RX claim	28.1	31.8	13.24	N/A	N/A
% provider IDs with NPI	97.3	97.5	0.17	30% (+/-)	Yes
% provider IDs linked to NPPES	95.6	96.0	0.43	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	1.1	1.0	-8.88	N/A	N/A
average number of OT claims	1,092.1	1,207.3	10.55	30% (+/-)	Yes
average number of beneficiaries with OT claims	178.4	203.5	14.07	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	59,429	55,321	-6.91	30% (+/-)	Yes
% NPI source = MSIS	84.4	83.6	-0.97	30% (+/-)	Yes
% NPI source = NPPES	4.9	6.5	32.37	30% (+/-)	Yes
% NPI source = state cross-reference file	10.7	9.9	-7.16	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	58,386	54,491	-6.67	30% (+/-)	Yes
% linked via NPI	95.0	93.4	-1.68	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	4.9	6.6	34.39	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.0	-100.00	30% (+/-)	Yes
% with name prefix	28.9	32.5	12.22	30% (+/-)	Yes
% with first name	72.2	80.3	11.24	30% (+/-)	Yes
% with middle name	56.0	62.7	11.99	30% (+/-)	Yes
% with last name	72.2	80.3	11.24	30% (+/-)	Yes
% with name suffix	1.9	2.1	8.11	30% (+/-)	Yes
% male	48.2	52.8	9.64	30% (+/-)	Yes
% female	24.0	27.5	14.47	30% (+/-)	Yes
% with credential	70.4	78.4	11.34	30% (+/-)	Yes
% with business name	27.8	19.2	-30.81	30% (+/-)	No
% with address line 1	100.0	99.5	-0.45	30% (+/-)	Yes
% with city	100.0	99.5	-0.45	30% (+/-)	Yes
% with state	100.0	99.5	-0.45	30% (+/-)	Yes
% state = OT state code	78.7	75.5	-4.08	30% (+/-)	Yes
% with zip code	100.0	99.5	-0.45	30% (+/-)	Yes
% with primary taxonomy	99.3	98.6	-0.72	30% (+/-)	Yes
% with provider entity type = individual	72.2	80.3	11.24	30% (+/-)	Yes
% with provider entity type = organization	27.8	19.2	-30.81	30% (+/-)	No
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	-15.28	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	58,390	53,712	-8.01	30% (+/-)	Yes
% individual or group of individuals	77.4	86.3	11.52	30% (+/-)	Yes
% allopathic and osteopathic physicians	54.9	60.5	10.21	30% (+/-)	Yes

Source: Medicaid Analytic eExtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX OT Servicing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
% behavioral health and social service providers	2.2	2.6	17.92	30% (+/-)	Yes
% chiropractic providers	1.8	2.0	9.14	30% (+/-)	Yes
% dental providers	4.4	4.7	7.18	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-57.69	30% (+/-)	Yes
% emergency medical service providers	0.1	0.1	19.54	30% (+/-)	Yes
% eye and vision service providers	2.5	2.8	12.75	30% (+/-)	Yes
% nursing service providers	0.3	0.1	-52.92	30% (+/-)	Yes
% nursing service-related providers	0.2	0.0	-72.89	30% (+/-)	Yes
% other service providers	1.1	1.7	55.49	30% (+/-)	Yes
% pharmacy service providers	0.1	0.0	-58.21	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	5.9	7.8	32.85	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.0	1.2	12.32	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.5	1.7	18.25	30% (+/-)	Yes
% speech, language, and hearing service providers	0.8	0.8	7.98	30% (+/-)	Yes
% student health care	0.1	0.1	21.78	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	18.52	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.6	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	22.6	13.7	-39.37	30% (+/-)	No
% agencies	6.0	1.7	-71.17	30% (+/-)	Yes
% ambulatory health care facilities	1.8	1.3	-28.18	30% (+/-)	Yes
% hospital units	0.1	0.1	18.68	30% (+/-)	Yes
% hospitals	6.6	1.9	-71.98	30% (+/-)	Yes
% laboratories	0.5	0.6	28.29	30% (+/-)	Yes
% managed care organizations	0.0	0.0	111.11	30% (+/-)	Yes
% nursing and custodial care facilities	0.3	0.2	-28.30	30% (+/-)	Yes
% residential treatment facilities	0.2	0.1	-11.26	30% (+/-)	Yes
% respite care facility	0.0	0.0	12.90	30% (+/-)	Yes
% suppliers	6.0	6.5	8.52	30% (+/-)	Yes
% transportation services	1.2	1.2	3.38	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	42,145	43,756	3.82	30% (+/-)	Yes
% a sole proprietorship	13.8	13.9	0.82	30% (+/-)	Yes
% not a sole proprietorship	77.7	80.7	3.86	30% (+/-)	Yes
% not answered	8.4	5.3	-36.98	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	16,241	10,488	-35.42	30% (+/-)	No
% organization is a subpart	11.7	14.0	19.76	30% (+/-)	Yes
% organization is not a subpart	62.6	70.5	12.64	30% (+/-)	Yes
% not answered	25.8	15.5	-39.66	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX OT Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
OT Providers					
Number of provider IDs	11,374	11,358	-0.14	30% (+/-)	Yes
% billing provider on OT claim	100.0	100.0	0.00	N/A	N/A
% servicing provider on OT claim	64.6	61.2	-5.30	N/A	N/A
% NPI servicing provider on OT claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on IP claim	3.3	3.3	0.94	N/A	N/A
% also a provider on LT claim	0.7	0.6	-15.51	N/A	N/A
% also a provider on RX claim	9.2	9.4	1.57	N/A	N/A
% provider IDs with NPI	95.8	92.7	-3.16	30% (+/-)	Yes
% provider IDs linked to NPPES	95.5	92.7	-2.86	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	4.2	4.1	-0.51	N/A	N/A
average number of OT claims	4,130.8	4,474.5	8.32	30% (+/-)	Yes
average number of beneficiaries with OT claims	558.9	590.3	5.61	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	10,891	10,532	-3.30	30% (+/-)	Yes
% NPI source = MSIS	52.3	50.9	-2.60	30% (+/-)	Yes
% NPI source = NPPES	5.1	6.4	25.01	30% (+/-)	Yes
% NPI source = state cross-reference file	42.6	42.6	0.17	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	10,857	10,532	-2.99	30% (+/-)	Yes
% linked via NPI	94.8	93.6	-1.34	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	5.1	6.4	24.66	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	0.00	30% (+/-)	Yes
% with name prefix	18.0	17.2	-4.06	30% (+/-)	Yes
% with first name	27.0	25.5	-5.70	30% (+/-)	Yes
% with middle name	23.2	21.9	-5.87	30% (+/-)	Yes
% with last name	27.0	25.5	-5.70	30% (+/-)	Yes
% with name suffix	1.1	1.1	-4.38	30% (+/-)	Yes
% male	21.0	19.6	-6.47	30% (+/-)	Yes
% female	6.0	5.8	-3.05	30% (+/-)	Yes
% with credential	26.0	24.5	-6.07	30% (+/-)	Yes
% with business name	73.0	74.1	1.50	30% (+/-)	Yes
% with address line 1	100.0	99.6	-0.45	30% (+/-)	Yes
% with city	100.0	99.6	-0.45	30% (+/-)	Yes
% with state	100.0	99.6	-0.45	30% (+/-)	Yes
% state = OT state code	84.0	83.1	-0.96	30% (+/-)	Yes
% with zip code	100.0	99.6	-0.45	30% (+/-)	Yes
% with primary taxonomy	98.4	97.9	-0.46	30% (+/-)	Yes
% with provider entity type = individual	27.0	25.5	-5.70	30% (+/-)	Yes
% with provider entity type = organization	73.0	74.1	1.50	30% (+/-)	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	-0.64	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	10,715	10,314	-3.74	30% (+/-)	Yes
% individual or group of individuals	59.3	57.7	-2.67	30% (+/-)	Yes
% allopathic and osteopathic physicians	30.4	28.8	-5.40	30% (+/-)	Yes

Source: Medicaid Analytic eExtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX OT Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
% behavioral health and social service providers	3.4	3.4	1.31	30% (+/-)	Yes
% chiropractic providers	4.8	4.6	-3.22	30% (+/-)	Yes
% dental providers	9.8	10.1	2.32	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% emergency medical service providers	0.1	0.1	27.38	30% (+/-)	Yes
% eye and vision service providers	3.7	3.9	3.38	30% (+/-)	Yes
% nursing service providers	0.1	0.0	-42.86	30% (+/-)	Yes
% nursing service-related providers	0.2	0.1	-29.27	30% (+/-)	Yes
% other service providers	2.4	2.9	21.14	30% (+/-)	Yes
% pharmacy service providers	0.2	0.1	-60.20	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	0.5	0.6	5.74	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.4	1.4	2.50	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.9	0.9	5.01	30% (+/-)	Yes
% speech, language, and hearing service providers	0.7	0.7	-3.23	30% (+/-)	Yes
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.1	0.1	4.62	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.6	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	40.7	42.3	3.89	30% (+/-)	Yes
% agencies	5.9	6.4	6.98	30% (+/-)	Yes
% ambulatory health care facilities	4.9	5.2	7.49	30% (+/-)	Yes
% hospital units	0.3	0.3	0.00	30% (+/-)	Yes
% hospitals	7.1	7.3	3.19	30% (+/-)	Yes
% laboratories	1.4	1.6	20.25	30% (+/-)	Yes
% managed care organizations	0.1	0.1	39.29	30% (+/-)	Yes
% nursing and custodial care facilities	0.8	0.6	-24.62	30% (+/-)	Yes
% residential treatment facilities	0.5	0.7	24.28	30% (+/-)	Yes
% respite care facility	0.1	0.1	3.57	30% (+/-)	Yes
% suppliers	16.3	16.9	3.59	30% (+/-)	Yes
% transportation services	3.5	3.2	-6.49	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	2,931	2,681	-8.53	30% (+/-)	Yes
% a sole proprietorship	54.3	56.7	4.45	30% (+/-)	Yes
% not a sole proprietorship	35.4	34.6	-2.27	30% (+/-)	Yes
% not answered	10.3	8.7	-15.65	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	7,926	7,804	-1.54	30% (+/-)	Yes
% organization is a subpart	11.0	11.4	4.49	30% (+/-)	Yes
% organization is not a subpart	67.3	71.7	6.42	30% (+/-)	Yes
% not answered	21.7	16.9	-22.16	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX RX Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
RX Providers					
Number of provider IDs	2,726	2,742	0.59	30% (+/-)	Yes
% billing provider on RX claim	49.7	49.7	0.00	N/A	N/A
% prescribing provider on RX claim	1.1	0.7	-34.87	N/A	N/A
% NPI billing provider on RX claim	50.3	50.3	0.00	N/A	N/A
% also a provider on IP claim	0.1	0.3	131.82	N/A	N/A
% also a provider on LT claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on OT claim	81.2	82.1	1.08	N/A	N/A
% provider IDs with NPI	100.0	100.0	0.00	30% (+/-)	Yes
% provider IDs linked to NPPES	99.5	100.0	0.52	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.5	0.0	-100.00	N/A	N/A
average number of RX claims	8,672.4	10,531.0	21.43	30% (+/-)	Yes
average number of beneficiaries with RX claims	896.8	972.2	8.41	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	2,726	2,742	0.59	30% (+/-)	Yes
% NPI source = MSIS	98.8	99.1	0.38	30% (+/-)	Yes
% NPI source = NPPES	0.3	0.2	-37.88	30% (+/-)	Yes
% NPI source = state cross-reference file	1.0	0.7	-27.36	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	2,712	2,742	1.11	30% (+/-)	Yes
% linked via NPI	99.7	99.8	0.11	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.3	0.2	-38.31	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.0	0.0	Div by 0	30% (+/-)	N/A
% with first name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with middle name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with last name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.0	0.0	Div by 0	30% (+/-)	N/A
% female	0.0	0.0	Div by 0	30% (+/-)	N/A
% with credential	0.0	0.0	Div by 0	30% (+/-)	N/A
% with business name	100.0	99.4	-0.58	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.58	30% (+/-)	Yes
% with city	100.0	99.4	-0.58	30% (+/-)	Yes
% with state	100.0	99.4	-0.58	30% (+/-)	Yes
% state = RX state code	87.7	86.6	-1.22	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.58	30% (+/-)	Yes
% with primary taxonomy	99.2	98.7	-0.54	30% (+/-)	Yes
% with provider entity type = individual	0.0	0.0	Div by 0	30% (+/-)	N/A
% with provider entity type = organization	100.0	99.4	-0.58	30% (+/-)	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	-100.00	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	2,705	2,706	0.04	30% (+/-)	Yes
% individual or group of individuals	3.7	1.1	-70.30	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.1	0.1	-50.00	30% (+/-)	Yes

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX RX Billing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
% behavioral health and social service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% chiropractic providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dental providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% eye and vision service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	3.5	1.0	-70.53	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.1	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	96.3	98.9	2.73	30% (+/-)	Yes
% agencies	0.4	0.2	-50.00	30% (+/-)	Yes
% ambulatory health care facilities	0.2	0.3	33.33	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.2	0.6	166.22	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.1	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% residential treatment facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	95.5	97.7	2.32	30% (+/-)	Yes
% transportation services	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	0	0	Div by 0	30% (+/-)	N/A
% a sole proprietorship	0.0	0.0	Div by 0	30% (+/-)	N/A
% not a sole proprietorship	0.0	0.0	Div by 0	30% (+/-)	N/A
% not answered	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	2,712	2,726	0.52	30% (+/-)	Yes
% organization is a subpart	28.5	28.4	-0.26	30% (+/-)	Yes
% organization is not a subpart	65.6	67.5	2.84	30% (+/-)	Yes
% not answered	5.9	4.1	-30.36	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX RX Prescribing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
RX Providers					
Number of provider IDs	32,015	35,099	9.63	30% (+/-)	Yes
% billing provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% prescribing provider on RX claim	100.0	100.0	0.00	N/A	N/A
% NPI billing provider on RX claim	0.1	0.1	-40.66	N/A	N/A
% also a provider on IP claim	0.3	0.2	-32.67	N/A	N/A
% also a provider on LT claim	0.0	0.0	-7.14	N/A	N/A
% also a provider on OT claim	46.8	45.1	-3.61	N/A	N/A
% provider IDs with NPI	46.8	45.1	-3.63	30% (+/-)	Yes
% provider IDs linked to NPPES	46.7	45.1	-3.38	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.1	0.0	-100.00	N/A	N/A
average number of RX claims	375.1	422.3	12.58	30% (+/-)	Yes
average number of beneficiaries with RX claims	65.1	63.0	-3.26	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	14,993	15,840	5.65	30% (+/-)	Yes
% NPI source = MSIS	99.9	99.9	0.00	30% (+/-)	Yes
% NPI source = NPPES	0.1	0.1	-5.00	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	14,953	15,840	5.93	30% (+/-)	Yes
% linked via NPI	99.9	99.9	0.00	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	-100.00	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.1	5.56	30% (+/-)	Yes
% with name prefix	40.3	40.6	0.78	30% (+/-)	Yes
% with first name	97.4	97.6	0.19	30% (+/-)	Yes
% with middle name	77.6	78.2	0.79	30% (+/-)	Yes
% with last name	97.4	97.6	0.19	30% (+/-)	Yes
% with name suffix	2.8	2.8	0.32	30% (+/-)	Yes
% male	66.8	65.5	-1.85	30% (+/-)	Yes
% female	30.7	32.1	4.61	30% (+/-)	Yes
% with credential	95.6	95.7	0.10	30% (+/-)	Yes
% with business name	2.6	1.8	-28.04	30% (+/-)	Yes
% with address line 1	100.0	99.5	-0.54	30% (+/-)	Yes
% with city	100.0	99.5	-0.54	30% (+/-)	Yes
% with state	100.0	99.5	-0.54	30% (+/-)	Yes
% state = RX state code	85.0	83.1	-2.26	30% (+/-)	Yes
% with zip code	100.0	99.5	-0.54	30% (+/-)	Yes
% with primary taxonomy	99.5	98.8	-0.62	30% (+/-)	Yes
% with provider entity type = individual	97.4	97.6	0.19	30% (+/-)	Yes
% with provider entity type = organization	2.6	1.8	-28.04	30% (+/-)	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	-100.00	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	14,911	15,656	5.00	30% (+/-)	Yes
% individual or group of individuals	98.2	99.0	0.86	30% (+/-)	Yes
% allopathic and osteopathic physicians	75.8	74.4	-1.86	30% (+/-)	Yes

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

^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.

2009-2010 MAX RX Prescribing Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
% behavioral health and social service providers	0.2	0.2	-29.82	30% (+/-)	Yes
% chiropractic providers	0.1	0.1	-31.91	30% (+/-)	Yes
% dental providers	7.2	7.3	1.93	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.1	0.1	-14.18	30% (+/-)	Yes
% eye and vision service providers	3.4	3.4	-0.39	30% (+/-)	Yes
% nursing service providers	0.2	0.1	-21.43	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	-53.85	30% (+/-)	Yes
% other service providers	1.1	1.8	54.46	30% (+/-)	Yes
% pharmacy service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	7.8	10.0	27.91	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.4	1.4	-2.50	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.1	29.73	30% (+/-)	Yes
% speech, language, and hearing service providers	0.1	0.0	-56.67	30% (+/-)	Yes
% student health care	0.2	0.2	-4.97	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	-53.85	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.4	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	1.8	1.0	-46.56	30% (+/-)	Yes
% agencies	0.2	0.1	-48.85	30% (+/-)	Yes
% ambulatory health care facilities	0.4	0.2	-45.76	30% (+/-)	Yes
% hospital units	0.1	0.0	-16.67	30% (+/-)	Yes
% hospitals	0.9	0.5	-49.17	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	0.0	0.0	-53.85	30% (+/-)	Yes
% residential treatment facilities	0.0	0.0	0.00	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.2	0.1	-45.25	30% (+/-)	Yes
% transportation services	0.0	0.0	-72.34	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	14,570	15,463	6.13	30% (+/-)	Yes
% a sole proprietorship	13.7	14.0	2.23	30% (+/-)	Yes
% not a sole proprietorship	78.4	81.5	3.89	30% (+/-)	Yes
% not answered	7.8	4.5	-42.86	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	383	292	-23.76	30% (+/-)	Yes
% organization is a subpart	13.6	13.0	-4.15	30% (+/-)	Yes
% organization is not a subpart	62.7	69.5	10.94	30% (+/-)	Yes
% not answered	23.8	17.5	-26.49	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

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2009-2010 MAX All Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
All Providers					
Number of provider IDs	84,537	82,869	-1.97	30%(+/-)	Yes
% billing provider on IP claim	0.5	0.5	2.71	N/A	N/A
% NPI billing provider on IP claim	0.5	0.5	4.11	N/A	N/A
% billing provider on LT claim	1.3	1.3	3.96	N/A	N/A
% NPI billing provider on LT claim	1.1	1.1	2.06	N/A	N/A
% billing provider on OT claim	13.5	13.7	1.87	N/A	N/A
% servicing provider on OT claim	39.9	34.0	-14.86	N/A	N/A
% NPI servicing provider on OT claim	32.3	34.5	6.73	N/A	N/A
% billing provider on RX claim	1.6	1.6	2.62	N/A	N/A
% prescribing provider on RX claim	37.9	42.4	11.84	N/A	N/A
% NPI billing provider on RX claim	1.6	1.7	2.59	N/A	N/A
% billing provider	15.0	15.3	2.08	N/A	N/A
% NPI billing provider	3.2	3.3	2.49	N/A	N/A
% servicing provider	39.9	34.0	-14.86	N/A	N/A
% NPI servicing provider	32.3	34.5	6.73	N/A	N/A
% prescribing provider	37.9	42.4	11.84	N/A	N/A
% provider IDs with NPI	77.8	74.6	-4.10	30%(+/-)	Yes
% provider IDs linked to NPPES	76.6	73.6	-3.85	30%(+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.8	0.8	-10.41	N/A	N/A
average number of claims	1,520.1	1,712.2	12.64	30%(+/-)	Yes
average number of beneficiaries with claims	221.7	241.4	8.85	30%(+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	65,800	61,859	-5.99	30%(+/-)	Yes
% NPI source = MSIS	80.3	79.1	-1.43	30%(+/-)	Yes
% NPI source = NPPES	5.0	6.7	32.10	30%(+/-)	Yes
% NPI source = state cross-reference file	14.7	14.2	-3.20	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	64,749	61,029	-5.75	30%(+/-)	Yes
% linked via NPI	94.9	93.2	-1.72	30%(+/-)	Yes
% linked via Medicaid legacy provider ID	5.0	6.7	33.86	30%(+/-)	Yes
% linked via Medicare UPIN	0.1	0.0	-82.80	30%(+/-)	Yes
% with name prefix	26.1	29.0	11.16	30%(+/-)	Yes
% with first name	65.2	71.8	10.16	30%(+/-)	Yes
% with middle name	50.5	56.0	10.91	30%(+/-)	Yes
% with last name	65.2	71.8	10.16	30%(+/-)	Yes
% with name suffix	1.7	1.9	6.98	30%(+/-)	Yes
% male	43.5	47.2	8.56	30%(+/-)	Yes
% female	21.7	24.6	13.37	30%(+/-)	Yes
% with credential	63.6	70.1	10.26	30%(+/-)	Yes
% with business name	34.8	27.8	-20.24	30%(+/-)	Yes
% with address line 1	100.0	99.6	-0.43	30%(+/-)	Yes
% with city	100.0	99.6	-0.43	30%(+/-)	Yes
% with state	100.0	99.6	-0.43	30%(+/-)	Yes
% state = claim file state code	78.9	76.1	-3.58	30%(+/-)	Yes
% with zip code	100.0	99.6	-0.43	30%(+/-)	Yes

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

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2009-2010 MAX All Provider Characteristics Validation Table

State: IN

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range ^a
% with primary taxonomy	99.2	98.5	-0.67	30%(+/-)	Yes
% with provider entity type = individual	65.2	71.8	10.16	30%(+/-)	Yes
% with provider entity type = organization	34.8	27.8	-20.24	30%(+/-)	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	-12.18	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	64,655	60,130	-7.00	30%(+/-)	Yes
% individual or group of individuals	74.1	81.4	9.90	30%(+/-)	Yes
% allopathic and osteopathic physicians	52.4	57.0	8.80	30%(+/-)	Yes
% behavioral health and social service providers	2.2	2.6	16.31	30%(+/-)	Yes
% chiropractic providers	1.9	2.1	7.66	30%(+/-)	Yes
% dental providers	4.0	4.2	5.96	30%(+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-56.52	30%(+/-)	Yes
% emergency medical service providers	0.1	0.1	13.10	30%(+/-)	Yes
% eye and vision service providers	2.4	2.7	11.69	30%(+/-)	Yes
% nursing service providers	0.3	0.1	-52.67	30%(+/-)	Yes
% nursing service-related providers	0.2	0.0	-72.55	30%(+/-)	Yes
% other service providers	1.2	1.8	46.20	30%(+/-)	Yes
% pharmacy service providers	0.2	0.0	-69.08	30%(+/-)	Yes
% physician assistants and advanced practice nursing providers	5.4	7.1	31.11	30%(+/-)	Yes
% podiatric medicine and surgery service providers	1.0	1.1	11.13	30%(+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.4	1.6	16.56	30%(+/-)	Yes
% speech, language, and hearing service providers	0.7	0.8	6.08	30%(+/-)	Yes
% student health care	0.1	0.1	20.88	30%(+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	7.14	30%(+/-)	Yes
% group of individuals with multi- or single specialty	0.6	0.0	-100.00	30%(+/-)	Yes
% nonindividuals	25.9	18.6	-28.28	30%(+/-)	Yes
% agencies	5.8	2.1	-63.34	30%(+/-)	Yes
% ambulatory health care facilities	2.1	1.9	-10.71	30%(+/-)	Yes
% hospital units	0.1	0.1	-2.48	30%(+/-)	Yes
% hospitals	7.0	2.8	-60.72	30%(+/-)	Yes
% laboratories	0.4	0.5	26.97	30%(+/-)	Yes
% managed care organizations	0.0	0.0	166.67	30%(+/-)	Yes
% nursing and custodial care facilities	2.4	2.6	7.99	30%(+/-)	Yes
% residential treatment facilities	0.8	0.8	5.83	30%(+/-)	Yes
% respite care facility	0.0	0.0	14.29	30%(+/-)	Yes
% suppliers	6.2	6.6	7.39	30%(+/-)	Yes
% transportation services	1.1	1.1	1.48	30%(+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	42,198	43,815	3.83	30%(+/-)	Yes
% a sole proprietorship	13.9	14.0	0.90	30%(+/-)	Yes
% not a sole proprietorship	77.7	80.7	3.85	30%(+/-)	Yes
% not answered	8.4	5.3	-36.96	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	22,551	16,954	-24.82	30%(+/-)	Yes
% organization is a subpart	11.0	12.5	13.27	30%(+/-)	Yes
% organization is not a subpart	62.2	69.1	11.10	30%(+/-)	Yes
% not answered	26.8	18.4	-31.22	N/A	N/A

Source: Medicaid Analytic eXtract (MAX) Provider Characteristics Files, 2009-2010.

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