

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

**State-Specific Validation Tables,  
2011**

June 28, 2013

Deo Bencio  
Mei-ling Mason



**MATHEMATICA**  
Policy Research



**This page has been left blank for double-sided copying.**



Contract Number:  
HHSM-500-2005-00025I

Task Number:  
HHSM-500-T0002

Mathematica Reference Number:  
06759.680

Submitted to:  
Centers for Medicare & Medicaid Services  
7500 Security Boulevard, B2-29-04  
Baltimore, MD 21244-1850  
Project Officer: Cara Petroski

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

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

**State-Specific Validation Tables,  
2011**

June 28, 2013

Deo Bencio  
Mei-ling Mason

**MATHEMATICA**  
**Policy Research**



**This page has been left blank for double-sided copying.**



## **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



**This page has been left blank for double-sided copying.**



## 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.<sup>1</sup> 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

---

<sup>1</sup> 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: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>IP Providers</b>								
Number of provider IDs	1,199	1,282	1,306	6.92	1.87	30% (+/-)	Yes	Yes
% billing provider on IP claim	40.2	39.2	39.4	-2.40	0.50	N/A	N/A	N/A
% NPI billing provider on IP claim	59.8	60.8	60.6	1.61	-0.32	N/A	N/A	N/A
% also a provider on LT claim	2.3	1.4	1.7	-37.66	19.98	N/A	N/A	N/A
% also a provider on OT claim	69.8	69.0	70.6	-1.22	2.38	N/A	N/A	N/A
% also a provider on RX claim	10.3	6.5	5.8	-36.89	-10.11	N/A	N/A	N/A
% provider IDs with NPI	88.8	91.8	90.7	3.36	-1.17	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	77.6	78.5	76.4	1.17	-2.62	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	521.8	499.2	484.0	-4.34	-3.04	30% (+/-)	Yes	Yes
average number of beneficiaries with IP claims	362.3	341.4	330.3	-5.77	-3.24	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	1,065	1,177	1,185	10.52	0.68	30% (+/-)	Yes	Yes
% NPI source = MSIS	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs Linked to NPPES</b>								
Number of provider IDs linked to NPPES	930	1,006	998	8.17	-0.80	30% (+/-)	Yes	Yes
% linked via NPI	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% with first name	0.2	0.2	0.0	-7.44	-100.00	30% (+/-)	Yes	Yes
% with middle name	0.0	0.1	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% with last name	0.2	0.2	0.0	-7.44	-100.00	30% (+/-)	Yes	Yes
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% female	0.1	0.2	0.0	84.26	-100.00	30% (+/-)	Yes	Yes
% with credential	0.2	0.2	0.0	-7.44	-100.00	30% (+/-)	Yes	Yes
% with business name	99.8	99.7	100.0	-0.08	0.30	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.9	100.0	-0.10	0.10	30% (+/-)	Yes	Yes
% with city	100.0	99.9	100.0	-0.10	0.10	30% (+/-)	Yes	Yes
% with state	100.0	99.9	100.0	-0.10	0.10	30% (+/-)	Yes	Yes
% state = IP state code	38.8	37.2	36.0	-4.22	-3.24	30% (+/-)	Yes	Yes
% with zip code	100.0	99.9	100.0	-0.10	0.10	30% (+/-)	Yes	Yes
% with primary taxonomy	99.2	99.5	99.6	0.26	0.10	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.2	0.2	0.0	-7.44	-100.00	30% (+/-)	Yes	Yes
% with provider entity type = organization	99.8	99.7	100.0	-0.08	0.30	30% (+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>Provider IDs with NPPES Primary Taxonomy</b>								
Number of provider IDs with NPPES primary taxonomy	923	1,001	994	8.45	-0.70	30% (+/-)	Yes	Yes
% individual or group of individuals	0.4	0.1	0.0	-76.91	-100.00	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% 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	0.0	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	0.1	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	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	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	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	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	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	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	99.6	99.9	100.0	0.33	0.10	30% (+/-)	Yes	Yes
% agencies	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% ambulatory health care facilities	1.0	0.6	0.3	-38.56	-49.61	30% (+/-)	Yes	Yes
% hospital units	6.5	5.6	5.8	-13.95	4.31	30% (+/-)	Yes	Yes
% hospitals	90.8	92.6	92.8	2.00	0.16	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	1.3	1.1	1.1	-15.46	0.70	30% (+/-)	Yes	Yes
% 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	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% 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
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	2	2	0	0.00	-100.00	30% (+/-)	Yes	Yes
% a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not a sole proprietorship	100.0	50.0	0.0	-50.00	-100.00	30% (+/-)	No	No
% not answered	0.0	50.0	0.0	Div by 0	-100.00	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	928	1,003	998	8.08	-0.50	30% (+/-)	Yes	Yes
% organization is a subpart	10.2	10.8	9.3	5.19	-13.46	30% (+/-)	Yes	Yes
% organization is not a subpart	77.3	80.7	82.1	4.39	1.74	30% (+/-)	Yes	Yes
% not answered	12.5	8.6	8.6	-31.41	0.50	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: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>LT Providers</b>								
Number of provider IDs	2,015	1,925	1,283	-4.47	-33.35	30% (+/-)	Yes	No
% billing provider on LT claim	44.6	47.3	68.2	6.19	44.11	N/A	N/A	N/A
% NPI billing provider on LT claim	55.4	52.7	31.8	-4.98	-39.63	N/A	N/A	N/A
% also a provider on IP claim	1.3	0.9	1.7	-30.22	83.39	N/A	N/A	N/A
% also a provider on OT claim	0.8	0.4	1.7	-54.16	371.08	N/A	N/A	N/A
% also a provider on RX claim	0.0	0.1	0.1	Div by 0	49.89	N/A	N/A	N/A
% provider IDs with NPI	93.7	54.2	31.9	-42.12	-41.22	30% (+/-)	No	No
% provider IDs linked to NPPES	84.0	48.3	31.3	-42.50	-35.31	30% (+/-)	No	No
% 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 LT claims	395.2	422.1	659.8	6.82	56.32	30% (+/-)	Yes	No
average number of beneficiaries with LT claims	54.8	71.3	83.6	30.09	17.31	30% (+/-)	No	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	1,888	1,044	409	-44.70	-60.82	30% (+/-)	No	No
% NPI source = MSIS	99.9	99.9	100.0	-0.04	0.10	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.1	0.1	0.0	81.13	-100.00	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
<b>Provider IDs Linked to NPPES</b>								
Number of provider IDs linked to NPPES	1,693	930	401	-45.07	-56.88	30% (+/-)	No	No
% linked via NPI	99.9	99.9	100.0	-0.05	0.11	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% linked via Medicare UPIN	0.1	0.1	0.0	83.05	-100.00	30% (+/-)	Yes	Yes
% with name prefix	0.2	0.2	0.0	-8.90	-100.00	30% (+/-)	Yes	Yes
% with first name	0.2	0.2	0.0	-8.90	-100.00	30% (+/-)	Yes	Yes
% with middle name	0.2	0.1	0.0	-38.98	-100.00	30% (+/-)	Yes	Yes
% with last name	0.2	0.2	0.0	-8.90	-100.00	30% (+/-)	Yes	Yes
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.2	0.2	0.0	-8.90	-100.00	30% (+/-)	Yes	Yes
% female	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with credential	0.2	0.2	0.0	21.47	-100.00	30% (+/-)	Yes	Yes
% with business name	99.8	99.7	100.0	-0.09	0.32	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.9	100.0	-0.11	0.11	30% (+/-)	Yes	Yes
% with city	100.0	99.9	100.0	-0.11	0.11	30% (+/-)	Yes	Yes
% with state	100.0	99.9	100.0	-0.11	0.11	30% (+/-)	Yes	Yes
% state = LT state code	99.3	99.6	99.8	0.28	0.18	30% (+/-)	Yes	Yes
% with zip code	100.0	99.9	100.0	-0.11	0.11	30% (+/-)	Yes	Yes
% with primary taxonomy	99.6	99.6	99.8	-0.02	0.18	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.2	0.2	0.0	-8.90	-100.00	30% (+/-)	Yes	Yes
% with provider entity type = organization	99.8	99.7	100.0	-0.09	0.32	30% (+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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 LT Billing Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>Provider IDs with NPPES Primary Taxonomy</b>								
Number of provider IDs with NPPES primary taxonomy	1,686	926	400	-45.08	-56.80	30% (+/-)	No	No
% individual or group of individuals	0.4	0.3	0.3	-8.99	-22.84	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.1	0.1	0.0	-9.24	-100.00	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.0	0.1	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% 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	0.0	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	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% physician assistants and advanced practice nursing providers	0.2	0.1	0.3	-39.33	131.48	30% (+/-)	Yes	Yes
% 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	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	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	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	99.6	99.7	99.8	0.03	0.07	30% (+/-)	Yes	Yes
% agencies	4.9	4.8	1.8	-2.30	-63.17	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% hospital units	4.0	4.0	8.0	-0.92	100.20	30% (+/-)	Yes	Yes
% hospitals	6.9	6.0	12.3	-12.09	102.55	30% (+/-)	Yes	No
% 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	65.9	64.7	71.3	-1.83	10.15	30% (+/-)	Yes	Yes
% residential treatment facilities	17.7	20.1	6.3	13.64	-68.88	30% (+/-)	Yes	No
% 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	0.3	-39.33	131.48	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
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	4	2	0	-50.00	-100.00	30% (+/-)	Yes	Yes
% a sole proprietorship	100.0	50.0	0.0	-50.00	-100.00	30% (+/-)	No	No
% not a sole proprietorship	0.0	50.0	0.0	Div by 0	-100.00	30% (+/-)	N/A	No
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	1,689	927	401	-45.12	-56.74	30% (+/-)	No	No
% organization is a subpart	8.0	8.7	5.5	9.32	-37.21	30% (+/-)	Yes	Yes
% organization is not a subpart	48.1	49.2	63.3	2.32	28.77	30% (+/-)	Yes	Yes
% not answered	43.9	42.1	31.2	-4.23	-25.91	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: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>OT Providers</b>								
Number of provider IDs	43,247	44,464	47,565	2.81	6.97	30% (+/-)	Yes	Yes
% billing provider on OT claim	25.9	23.8	24.3	-8.34	2.44	N/A	N/A	N/A
% servicing provider on OT claim	48.4	47.4	47.5	-2.01	0.13	N/A	N/A	N/A
% NPI servicing provider on OT claim	51.6	52.6	52.5	1.88	-0.12	N/A	N/A	N/A
% also a provider on IP claim	1.9	1.2	1.8	-38.76	49.38	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.0	-56.76	189.08	N/A	N/A	N/A
% also a provider on RX claim	24.9	24.6	23.6	-1.27	-4.19	N/A	N/A	N/A
% provider IDs with NPI	91.7	91.7	90.7	-0.02	-1.06	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	88.6	88.4	85.8	-0.17	-2.94	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 OT claims	2,144.0	2,163.4	2,131.9	0.91	-1.46	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	377.4	380.1	375.6	0.72	-1.21	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	39,653	40,763	43,145	2.80	5.84	30% (+/-)	Yes	Yes
% NPI source = MSIS	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.0	0.0	0.0	0.00	-18.88	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
<b>Provider IDs Linked to NPPES</b>								
Number of provider IDs linked to NPPES	38,317	39,327	40,833	2.64	3.83	30% (+/-)	Yes	Yes
% linked via NPI	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	-14.29	-4.76	30% (+/-)	Yes	Yes
% with name prefix	33.5	34.4	33.8	2.63	-1.68	30% (+/-)	Yes	Yes
% with first name	68.9	70.7	69.6	2.57	-1.49	30% (+/-)	Yes	Yes
% with middle name	55.9	57.5	56.9	2.99	-1.08	30% (+/-)	Yes	Yes
% with last name	68.9	70.7	69.6	2.57	-1.49	30% (+/-)	Yes	Yes
% with name suffix	5.4	5.3	5.1	-1.51	-3.69	30% (+/-)	Yes	Yes
% male	45.3	45.1	43.5	-0.41	-3.56	30% (+/-)	Yes	Yes
% female	23.6	25.5	26.1	8.30	2.18	30% (+/-)	Yes	Yes
% with credential	67.0	68.7	67.7	2.58	-1.52	30% (+/-)	Yes	Yes
% with business name	31.1	28.9	30.1	-7.03	4.20	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.6	99.7	-0.42	0.16	30% (+/-)	Yes	Yes
% with city	100.0	99.6	99.7	-0.42	0.16	30% (+/-)	Yes	Yes
% with state	100.0	99.6	99.7	-0.42	0.16	30% (+/-)	Yes	Yes
% state = OT state code	83.9	84.3	83.8	0.45	-0.65	30% (+/-)	Yes	Yes
% with zip code	100.0	99.6	99.7	-0.42	0.16	30% (+/-)	Yes	Yes
% with primary taxonomy	98.5	98.5	98.7	0.08	0.19	30% (+/-)	Yes	Yes
% with provider entity type = individual	68.9	70.7	69.6	2.57	-1.49	30% (+/-)	Yes	Yes
% with provider entity type = organization	31.1	28.9	30.1	-7.03	4.20	30% (+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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 OT Servicing Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>Provider IDs with NPPES Primary Taxonomy</b>								
Number of provider IDs with NPPES primary taxonomy	37,729	38,754	40,316	2.72	4.03	30% (+/-)	Yes	Yes
% individual or group of individuals	78.5	80.8	79.5	2.96	-1.65	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	50.7	51.9	50.0	2.50	-3.76	30% (+/-)	Yes	Yes
% behavioral health and social service providers	1.6	1.6	1.6	-2.13	2.58	30% (+/-)	Yes	Yes
% chiropractic providers	0.3	0.3	0.2	-8.10	-13.52	30% (+/-)	Yes	Yes
% dental providers	3.8	4.1	4.1	6.45	0.38	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	0.0	0.0	-35.85	-12.46	30% (+/-)	Yes	Yes
% eye and vision service providers	1.4	1.4	1.3	1.17	-4.09	30% (+/-)	Yes	Yes
% nursing service providers	0.5	0.5	0.5	-3.23	-5.95	30% (+/-)	Yes	Yes
% nursing service-related providers	1.4	1.4	1.3	-2.66	-8.68	30% (+/-)	Yes	Yes
% other service providers	4.1	3.7	3.6	-9.41	-4.66	30% (+/-)	Yes	Yes
% pharmacy service providers	0.0	0.0	0.0	0.00	-0.78	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	12.0	12.9	13.5	7.86	4.72	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.6	0.6	0.6	-1.80	-2.19	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.7	0.8	0.8	6.52	4.37	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.9	1.2	1.2	35.78	4.54	30% (+/-)	Yes	Yes
% student health care	0.4	0.4	0.7	7.92	74.57	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.1	0.0	0.1	-8.00	13.24	30% (+/-)	Yes	Yes
% 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	21.5	19.2	20.5	-10.81	6.93	30% (+/-)	Yes	Yes
% agencies	9.0	8.9	8.6	-1.29	-2.42	30% (+/-)	Yes	Yes
% ambulatory health care facilities	3.4	2.9	3.6	-14.44	24.28	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	-54.55	445.69	30% (+/-)	Yes	Yes
% hospitals	3.3	2.0	3.1	-37.89	51.91	30% (+/-)	Yes	Yes
% laboratories	0.6	0.7	0.6	5.21	-8.75	30% (+/-)	Yes	Yes
% managed care organizations	0.7	0.7	0.7	5.15	-3.86	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.6	0.5	0.5	-8.87	0.83	30% (+/-)	Yes	Yes
% residential treatment facilities	0.5	0.5	0.4	-2.68	-8.04	30% (+/-)	Yes	Yes
% respite care facility	0.3	0.4	0.3	2.59	-8.73	30% (+/-)	Yes	Yes
% suppliers	2.9	2.5	2.4	-15.20	-4.17	30% (+/-)	Yes	Yes
% transportation services	0.3	0.2	0.3	-17.44	10.12	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	26,400	27,792	28,427	5.27	2.28	30% (+/-)	Yes	Yes
% a sole proprietorship	22.9	23.5	23.4	2.64	-0.63	30% (+/-)	Yes	Yes
% not a sole proprietorship	65.6	68.6	69.2	4.49	0.98	30% (+/-)	Yes	Yes
% not answered	11.5	7.9	7.4	-30.99	-6.59	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	11,917	11,371	12,302	-4.58	8.19	30% (+/-)	Yes	Yes
% organization is a subpart	4.7	4.9	6.0	4.80	22.35	30% (+/-)	Yes	Yes
% organization is not a subpart	63.7	68.1	69.0	6.96	1.31	30% (+/-)	Yes	Yes
% not answered	31.7	27.0	25.0	-14.70	-7.36	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 Billing Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>OT Providers</b>								
Number of provider IDs	11,476	11,802	12,136	2.84	2.83	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	97.7	89.6	95.4	-8.36	6.57	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	3.6	3.6	3.7	1.00	1.78	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 RX claim	33.7	30.0	28.2	-10.89	-5.94	N/A	N/A	N/A
% provider IDs with NPI	72.6	66.5	67.6	-8.48	1.67	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	72.5	66.4	67.5	-8.34	1.63	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 OT claims	4,203.2	4,331.0	4,318.4	3.04	-0.29	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	563.9	571.0	570.6	1.25	-0.06	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	8,334	7,844	8,201	-5.88	4.55	30% (+/-)	Yes	Yes
% NPI source = MSIS	99.9	99.9	99.9	-0.03	0.04	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.1	0.1	0.1	36.90	-36.38	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
<b>Provider IDs Linked to NPPES</b>								
Number of provider IDs linked to NPPES	8,316	7,839	8,192	-5.74	4.50	30% (+/-)	Yes	Yes
% linked via NPI	99.9	99.9	99.9	-0.03	0.04	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% linked via Medicare UPIN	0.1	0.1	0.1	36.90	-36.31	30% (+/-)	Yes	Yes
% with name prefix	21.0	21.8	20.2	4.08	-7.44	30% (+/-)	Yes	Yes
% with first name	36.5	37.2	34.3	1.82	-7.59	30% (+/-)	Yes	Yes
% with middle name	30.6	31.1	29.2	1.54	-6.04	30% (+/-)	Yes	Yes
% with last name	36.5	37.2	34.3	1.82	-7.59	30% (+/-)	Yes	Yes
% with name suffix	3.8	3.5	3.2	-6.98	-10.84	30% (+/-)	Yes	Yes
% male	26.7	26.2	23.2	-1.94	-11.30	30% (+/-)	Yes	Yes
% female	9.8	11.0	11.1	12.09	1.25	30% (+/-)	Yes	Yes
% with credential	35.0	35.5	32.8	1.35	-7.51	30% (+/-)	Yes	Yes
% with business name	63.5	62.6	65.5	-1.47	4.72	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.7	99.9	-0.27	0.13	30% (+/-)	Yes	Yes
% with city	100.0	99.7	99.9	-0.27	0.13	30% (+/-)	Yes	Yes
% with state	100.0	99.7	99.9	-0.27	0.13	30% (+/-)	Yes	Yes
% state = OT state code	81.5	83.8	82.7	2.86	-1.38	30% (+/-)	Yes	Yes
% with zip code	100.0	99.7	99.9	-0.27	0.13	30% (+/-)	Yes	Yes
% with primary taxonomy	98.3	98.5	98.5	0.19	0.09	30% (+/-)	Yes	Yes
% with provider entity type = individual	36.5	37.2	34.3	1.82	-7.59	30% (+/-)	Yes	Yes
% with provider entity type = organization	63.5	62.6	65.5	-1.47	4.72	30% (+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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 OT Billing Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>Provider IDs with NPES Primary Taxonomy</b>								
Number of provider IDs with NPES primary taxonomy	8,172	7,718	8,073	-5.56	4.60	30% (+/-)	Yes	Yes
% individual or group of individuals	54.3	57.0	53.5	4.98	-6.12	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	32.1	33.1	30.7	3.26	-7.35	30% (+/-)	Yes	Yes
% behavioral health and social service providers	1.1	1.3	1.4	24.43	5.98	30% (+/-)	Yes	Yes
% chiropractic providers	0.6	0.6	0.5	3.67	-22.33	30% (+/-)	Yes	Yes
% dental providers	5.6	6.1	5.5	8.42	-10.89	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	0.0	-39.53	-4.72	30% (+/-)	Yes	Yes
% eye and vision service providers	1.7	1.7	1.5	1.15	-7.34	30% (+/-)	Yes	Yes
% nursing service providers	0.2	0.2	0.1	22.01	-29.76	30% (+/-)	Yes	Yes
% nursing service-related providers	3.3	3.5	3.2	5.11	-9.70	30% (+/-)	Yes	Yes
% other service providers	4.7	4.4	4.1	-5.91	-8.85	30% (+/-)	Yes	Yes
% 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	1.6	1.9	2.1	19.57	6.49	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.6	0.6	0.6	-0.16	-6.37	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.2	1.2	1.3	4.73	9.84	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	1.4	2.0	2.3	44.26	11.34	30% (+/-)	Yes	Yes
% student health care	0.1	0.1	0.2	-28.77	257.32	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.1	0.1	0.1	27.87	27.05	30% (+/-)	Yes	Yes
% 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	45.7	43.0	46.5	-5.91	8.10	30% (+/-)	Yes	Yes
% agencies	20.4	21.9	21.3	7.67	-2.93	30% (+/-)	Yes	Yes
% ambulatory health care facilities	6.3	4.1	7.3	-35.12	77.87	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	8.33	281.14	30% (+/-)	Yes	Yes
% hospitals	6.4	4.6	6.2	-26.96	33.78	30% (+/-)	Yes	Yes
% laboratories	1.4	1.5	1.3	7.81	-12.01	30% (+/-)	Yes	Yes
% managed care organizations	1.5	1.7	1.6	15.35	-5.10	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	1.3	1.3	1.2	-3.08	-2.44	30% (+/-)	Yes	Yes
% residential treatment facilities	1.1	1.2	1.1	5.86	-8.55	30% (+/-)	Yes	Yes
% respite care facility	0.8	0.9	0.8	12.45	-9.94	30% (+/-)	Yes	Yes
% suppliers	6.1	5.4	5.1	-11.55	-4.86	30% (+/-)	Yes	Yes
% transportation services	0.5	0.4	0.5	-19.26	22.38	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	3,035	2,913	2,813	-4.02	-3.43	30% (+/-)	Yes	Yes
% a sole proprietorship	39.4	43.4	42.6	10.12	-1.86	30% (+/-)	Yes	Yes
% not a sole proprietorship	50.0	49.3	50.7	-1.44	2.83	30% (+/-)	Yes	Yes
% not answered	10.6	7.4	6.8	-30.65	-8.01	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	5,281	4,905	5,368	-7.12	9.44	30% (+/-)	Yes	Yes
% organization is a subpart	4.5	4.4	6.2	-2.25	39.80	30% (+/-)	Yes	Yes
% organization is not a subpart	62.0	66.9	67.1	7.83	0.26	30% (+/-)	Yes	Yes
% not answered	33.4	28.7	26.8	-14.22	-6.74	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 RX Billing Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>RX Providers</b>								
Number of provider IDs	2,545	2,408	1,658	-5.38	-31.15	30% (+/-)	Yes	No
% billing provider on RX claim	49.1	49.5	73.0	0.87	47.43	N/A	N/A	N/A
% prescribing provider on RX claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% NPI billing provider on RX claim	50.9	50.5	27.0	-0.83	-46.49	N/A	N/A	N/A
% also a provider on IP claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.1	Div by 0	43.60	N/A	N/A	N/A
% also a provider on OT claim	1.4	1.7	0.7	17.39	-60.06	N/A	N/A	N/A
% provider IDs with NPI	98.7	51.5	27.2	-47.77	-47.22	30% (+/-)	No	No
% provider IDs linked to NPES	97.4	50.8	26.3	-47.86	-48.22	30% (+/-)	No	No
% 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 RX claims	9,809.0	10,914.8	16,234.8	11.27	48.74	30% (+/-)	Yes	No
average number of beneficiaries with RX claims	1,179.4	1,403.0	1,501.7	18.96	7.04	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	2,511	1,241	451	-50.58	-63.66	30% (+/-)	No	No
% NPI source = MSIS	100.0	99.8	100.0	-0.24	0.24	30% (+/-)	Yes	Yes
% NPI source = NPES	0.0	0.2	0.0	Div by 0	-100.00	30% (+/-)	N/A	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
<b>Provider IDs Linked to NPES</b>								
Number of provider IDs linked to NPES	2,479	1,223	436	-50.67	-64.35	30% (+/-)	No	No
% linked via NPI	100.0	99.8	100.0	-0.25	0.25	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% linked via Medicare UPIN	0.0	0.2	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% with name prefix	1.0	1.3	0.5	35.12	-64.93	30% (+/-)	Yes	Yes
% with first name	1.6	2.1	0.7	31.72	-67.64	30% (+/-)	Yes	Yes
% with middle name	1.4	1.6	0.5	15.79	-71.94	30% (+/-)	Yes	Yes
% with last name	1.6	2.1	0.7	31.72	-67.64	30% (+/-)	Yes	Yes
% with name suffix	0.1	0.2	0.0	102.47	-100.00	30% (+/-)	Yes	Yes
% male	1.3	1.6	0.7	24.22	-55.72	30% (+/-)	Yes	Yes
% female	0.4	0.6	0.0	57.58	-100.00	30% (+/-)	Yes	Yes
% with credential	1.5	2.0	0.7	35.12	-64.93	30% (+/-)	Yes	Yes
% with business name	98.4	97.1	99.1	-1.35	2.09	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.2	99.8	-0.82	0.59	30% (+/-)	Yes	Yes
% with city	100.0	99.2	99.8	-0.82	0.59	30% (+/-)	Yes	Yes
% with state	100.0	99.2	99.8	-0.82	0.59	30% (+/-)	Yes	Yes
% state = RX state code	89.8	94.2	96.1	4.95	2.02	30% (+/-)	Yes	Yes
% with zip code	100.0	99.2	99.8	-0.82	0.59	30% (+/-)	Yes	Yes
% with primary taxonomy	96.6	97.5	97.5	0.88	0.01	30% (+/-)	Yes	Yes
% with provider entity type = individual	1.6	2.1	0.7	31.72	-67.64	30% (+/-)	Yes	Yes
% with provider entity type = organization	98.4	97.1	99.1	-1.35	2.09	30% (+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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 RX Billing Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>Provider IDs with NPPES Primary Taxonomy</b>								
Number of provider IDs with NPPES primary taxonomy	2,395	1,192	425	-50.23	-64.35	30% (+/-)	No	No
% individual or group of individuals	6.6	7.0	5.2	6.15	-26.54	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.9	1.5	0.2	72.18	-84.42	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.0	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	0.0	0.0	0.0	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	0.1	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% 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	-100.00	Div by 0	30% (+/-)	Yes	N/A
% pharmacy service providers	5.6	5.4	4.9	-3.31	-7.97	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	0.1	0.1	0.0	-32.80	-100.00	30% (+/-)	Yes	Yes
% 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	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	93.4	93.0	94.8	-0.44	2.01	30% (+/-)	Yes	Yes
% agencies	0.3	0.3	0.5	-24.55	86.74	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospital units	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospitals	0.1	0.1	0.0	0.00	-100.00	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	0.0	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	92.9	92.6	94.4	-0.35	1.87	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
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	40	26	3	-35.00	-88.46	30% (+/-)	No	No
% a sole proprietorship	47.5	53.8	66.7	13.36	23.81	30% (+/-)	Yes	Yes
% not a sole proprietorship	37.5	46.2	33.3	23.08	-27.78	30% (+/-)	Yes	Yes
% not answered	15.0	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	2,439	1,187	432	-51.33	-63.61	30% (+/-)	No	No
% organization is a subpart	28.0	25.6	39.6	-8.54	54.56	30% (+/-)	Yes	No
% organization is not a subpart	60.3	66.4	52.8	10.07	-20.50	30% (+/-)	Yes	Yes
% not answered	11.7	8.0	7.6	-31.51	-4.55	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 RX Prescribing Provider Characteristics Validation Table

State: LA

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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>RX Providers</b>								
Number of provider IDs	18,254	16,082	16,750	-11.90	4.15	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	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on IP claim	0.7	0.5	0.5	-23.44	-12.07	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	59.1	68.2	66.9	15.40	-1.79	N/A	N/A	N/A
% provider IDs with NPI	48.8	57.5	54.7	17.79	-4.82	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	48.6	57.5	54.7	18.26	-4.84	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 RX claims	669.8	800.8	786.7	19.55	-1.76	30% (+/-)	Yes	Yes
average number of beneficiaries with RX claims	115.9	136.0	133.8	17.28	-1.55	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	8,908	9,244	9,164	3.77	-0.87	30% (+/-)	Yes	Yes
% NPI source = MSIS	99.7	99.7	99.7	0.07	0.02	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.3	0.3	0.3	-19.88	-7.04	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
<b>Provider IDs Linked to NPPES</b>								
Number of provider IDs linked to NPPES	8,871	9,243	9,161	4.19	-0.89	30% (+/-)	Yes	Yes
% linked via NPI	99.7	99.7	99.7	0.07	0.02	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	-4.35	-50.38	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.3	0.2	0.2	-21.20	-3.55	30% (+/-)	Yes	Yes
% with name prefix	50.9	51.2	50.5	0.48	-1.37	30% (+/-)	Yes	Yes
% with first name	94.5	95.8	96.0	1.34	0.19	30% (+/-)	Yes	Yes
% with middle name	77.6	79.3	79.1	2.28	-0.26	30% (+/-)	Yes	Yes
% with last name	94.5	95.8	96.0	1.34	0.19	30% (+/-)	Yes	Yes
% with name suffix	8.6	8.1	7.9	-5.91	-3.00	30% (+/-)	Yes	Yes
% male	67.1	65.5	64.0	-2.45	-2.30	30% (+/-)	Yes	Yes
% female	27.4	30.3	32.0	10.63	5.58	30% (+/-)	Yes	Yes
% with credential	92.6	93.9	93.9	1.42	0.02	30% (+/-)	Yes	Yes
% with business name	5.5	3.6	3.6	-34.30	-0.02	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.4	99.6	-0.61	0.18	30% (+/-)	Yes	Yes
% with city	100.0	99.4	99.6	-0.61	0.18	30% (+/-)	Yes	Yes
% with state	100.0	99.4	99.6	-0.61	0.18	30% (+/-)	Yes	Yes
% state = RX state code	90.1	89.4	90.2	-0.76	0.83	30% (+/-)	Yes	Yes
% with zip code	100.0	99.4	99.6	-0.61	0.18	30% (+/-)	Yes	Yes
% with primary taxonomy	98.5	98.6	98.8	0.06	0.21	30% (+/-)	Yes	Yes
% with provider entity type = individual	94.5	95.8	96.0	1.34	0.19	30% (+/-)	Yes	Yes
% with provider entity type = organization	5.5	3.6	3.6	-34.30	-0.02	30% (+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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 RX Prescribing Provider Characteristics Validation Table

State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>Provider IDs with NPPES Primary Taxonomy</b>								
Number of provider IDs with NPPES primary taxonomy	8,737	9,109	9,047	4.26	-0.68	30% (+/-)	Yes	Yes
% individual or group of individuals	98.4	98.9	98.8	0.56	-0.11	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	74.0	73.7	71.8	-0.33	-2.66	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.2	0.2	0.2	6.80	-4.54	30% (+/-)	Yes	Yes
% chiropractic providers	0.1	0.0	0.0	-45.00	-24.64	30% (+/-)	Yes	Yes
% dental providers	7.1	7.4	7.3	3.30	-0.81	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	0.0	0.0	-36.23	-24.64	30% (+/-)	Yes	Yes
% eye and vision service providers	1.9	1.7	1.8	-9.79	3.22	30% (+/-)	Yes	Yes
% nursing service providers	0.1	0.1	0.1	-11.41	8.86	30% (+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	5.7	4.6	4.4	-18.84	-3.41	30% (+/-)	Yes	Yes
% pharmacy service providers	0.0	0.0	0.0	Div by 0	0.49	30% (+/-)	N/A	Yes
% physician assistants and advanced practice nursing providers	7.6	9.5	11.0	24.20	15.47	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.9	0.8	0.8	-5.40	-0.61	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	-2.94	0.49	30% (+/-)	Yes	Yes
% 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	0.6	0.7	1.3	11.97	82.09	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	-28.26	0.49	30% (+/-)	Yes	Yes
% 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	1.6	1.1	1.2	-33.78	9.92	30% (+/-)	Yes	Yes
% agencies	0.1	0.0	0.1	-22.81	25.61	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.8	0.5	0.6	-33.68	17.82	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospitals	0.7	0.5	0.5	-34.54	-3.99	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	-52.17	50.73	30% (+/-)	Yes	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	-100.00	Div by 0	30% (+/-)	Yes	N/A
% 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	0.49	30% (+/-)	N/A	Yes
% transportation services	0.0	0.0	0.0	0.00	0.49	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	8,386	8,855	8,793	5.59	-0.70	30% (+/-)	Yes	Yes
% a sole proprietorship	23.5	23.5	22.9	0.33	-2.82	30% (+/-)	Yes	Yes
% not a sole proprietorship	63.6	67.2	68.6	5.72	2.06	30% (+/-)	Yes	Yes
% not answered	13.0	9.2	8.5	-28.66	-7.79	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	485	332	329	-31.55	-0.90	30% (+/-)	No	Yes
% organization is a subpart	5.6	4.2	5.2	-24.25	22.53	30% (+/-)	Yes	Yes
% organization is not a subpart	67.8	74.1	77.8	9.23	5.01	30% (+/-)	Yes	Yes
% not answered	26.6	21.7	17.0	-18.46	-21.51	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 All Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
<b>All Providers</b>								
Number of provider IDs	55,831	55,484	56,931	-0.62	2.61	30%(+/-)	Yes	Yes
% billing provider on IP claim	0.9	0.9	0.9	5.10	-0.26	N/A	N/A	N/A
% NPI billing provider on IP claim	1.3	1.4	1.4	9.35	-1.04	N/A	N/A	N/A
% billing provider on LT claim	1.6	1.6	1.5	2.11	-6.40	N/A	N/A	N/A
% NPI billing provider on LT claim	2.0	1.8	0.7	-8.65	-60.80	N/A	N/A	N/A
% billing provider on OT claim	20.6	21.3	21.3	3.48	0.22	N/A	N/A	N/A
% servicing provider on OT claim	37.5	38.0	39.7	1.38	4.39	N/A	N/A	N/A
% NPI servicing provider on OT claim	40.0	42.1	43.9	5.40	4.13	N/A	N/A	N/A
% billing provider on RX claim	2.2	2.1	2.1	-3.98	-1.05	N/A	N/A	N/A
% prescribing provider on RX claim	32.7	29.0	29.4	-11.35	1.51	N/A	N/A	N/A
% NPI billing provider on RX claim	2.3	2.2	0.8	-5.56	-64.10	N/A	N/A	N/A
% billing provider	24.5	25.2	25.1	2.67	-0.34	N/A	N/A	N/A
% NPI billing provider	5.6	5.4	2.9	-3.04	-47.07	N/A	N/A	N/A
% servicing provider	37.5	38.0	39.7	1.38	4.39	N/A	N/A	N/A
% NPI servicing provider	40.0	42.1	43.9	5.40	4.13	N/A	N/A	N/A
% prescribing provider	32.7	29.0	29.4	-11.35	1.51	N/A	N/A	N/A
% provider IDs with NPI	79.5	78.8	78.1	-0.82	-0.96	30%(+/-)	Yes	Yes
% provider IDs linked to NPPES	76.4	75.7	73.7	-0.95	-2.70	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 claims	2,379.2	2,540.0	2,550.6	6.76	0.42	30%(+/-)	Yes	Yes
average number of beneficiaries with claims	369.3	395.4	381.2	7.05	-3.59	30%(+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	44,366	43,728	44,436	-1.44	1.62	30%(+/-)	Yes	Yes
% NPI source = MSIS	99.9	99.9	99.9	0.00	0.02	30%(+/-)	Yes	Yes
% NPI source = NPPES	0.1	0.1	0.1	1.23	-23.16	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
<b>Provider IDs Linked to NPPES</b>								
Number of provider IDs linked to NPPES	42,671	42,003	41,933	-1.57	-0.17	30%(+/-)	Yes	Yes
% linked via NPI	99.9	99.9	99.9	0.00	0.02	30%(+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	0.00	-52.30	30%(+/-)	Yes	Yes
% linked via Medicare UPIN	0.1	0.1	0.1	1.25	-20.51	30%(+/-)	Yes	Yes
% with name prefix	30.1	32.2	32.9	6.95	2.18	30%(+/-)	Yes	Yes
% with first name	62.0	66.2	67.8	6.89	2.40	30%(+/-)	Yes	Yes
% with middle name	50.2	53.9	55.5	7.32	2.84	30%(+/-)	Yes	Yes
% with last name	62.0	66.2	67.8	6.89	2.40	30%(+/-)	Yes	Yes
% with name suffix	4.8	4.9	5.0	2.64	0.16	30%(+/-)	Yes	Yes
% male	40.8	42.3	42.4	3.77	0.25	30%(+/-)	Yes	Yes
% female	21.2	23.9	25.4	12.88	6.20	30%(+/-)	Yes	Yes
% with credential	60.2	64.4	65.9	6.91	2.37	30%(+/-)	Yes	Yes
% with business name	38.0	33.3	31.9	-12.33	-4.26	30%(+/-)	Yes	Yes
% with address line 1	100.0	99.6	99.7	-0.42	0.17	30%(+/-)	Yes	Yes
% with city	100.0	99.6	99.7	-0.42	0.17	30%(+/-)	Yes	Yes
% with state	100.0	99.6	99.7	-0.42	0.17	30%(+/-)	Yes	Yes
% state = claim file state code	84.7	84.3	83.8	-0.57	-0.56	30%(+/-)	Yes	Yes
% with zip code	100.0	99.6	99.7	-0.42	0.17	30%(+/-)	Yes	Yes
% with primary taxonomy	98.4	98.5	98.7	0.14	0.19	30%(+/-)	Yes	Yes

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 All Provider Characteristics Validation Table  
State: LA  
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 <sup>a</sup>	Cross Year 2010-2011 Within Range <sup>a</sup>
% with provider entity type = individual	62.0	66.2	67.8	6.89	2.40	30%(+/-)	Yes	Yes
% with provider entity type = organization	38.0	33.3	31.9	-12.33	-4.26	30%(+/-)	Yes	Yes
<b>Provider IDs with or without NPI but linked to state provider file</b>								
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
<b>Provider IDs with NPPES Primary Taxonomy</b>								
Number of provider IDs with NPPES primary taxonomy	41,992	41,392	41,403	-1.43	0.03	30%(+/-)	Yes	Yes
% individual or group of individuals	70.9	75.9	77.5	7.00	2.11	30%(+/-)	Yes	Yes
% allopathic and osteopathic physicians	45.5	48.6	48.7	6.82	0.06	30%(+/-)	Yes	Yes
% behavioral health and social service providers	1.5	1.5	1.6	1.95	6.36	30%(+/-)	Yes	Yes
% chiropractic providers	0.3	0.3	0.2	-6.69	-9.55	30%(+/-)	Yes	Yes
% dental providers	3.4	3.8	4.0	10.93	4.47	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	0.0	0.0	-32.00	-14.75	30%(+/-)	Yes	Yes
% eye and vision service providers	1.2	1.3	1.3	5.63	-0.40	30%(+/-)	Yes	Yes
% nursing service providers	0.4	0.5	0.4	1.57	-2.75	30%(+/-)	Yes	Yes
% nursing service-related providers	1.3	1.3	1.2	1.48	-5.06	30%(+/-)	Yes	Yes
% other service providers	3.7	3.5	3.5	-5.58	-0.86	30%(+/-)	Yes	Yes
% pharmacy service providers	0.3	0.2	0.1	-49.53	-64.22	30%(+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	10.8	12.1	13.2	12.21	8.89	30%(+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.6	0.6	0.6	2.36	1.67	30%(+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.6	0.7	0.8	10.85	8.60	30%(+/-)	Yes	Yes
% speech, language, and hearing service providers	0.8	1.1	1.2	41.09	8.68	30%(+/-)	Yes	Yes
% student health care	0.3	0.4	0.7	12.46	81.47	30%(+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.1	-4.44	17.96	30%(+/-)	Yes	Yes
% 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	29.1	24.1	22.5	-17.07	-6.64	30%(+/-)	Yes	Yes
% agencies	8.3	8.4	8.4	1.53	0.44	30%(+/-)	Yes	Yes
% ambulatory health care facilities	3.0	2.7	3.5	-10.97	29.21	30%(+/-)	Yes	Yes
% hospital units	0.3	0.2	0.2	-26.64	0.94	30%(+/-)	Yes	Yes
% hospitals	3.5	3.2	3.6	-10.15	14.04	30%(+/-)	Yes	Yes
% laboratories	0.6	0.6	0.6	9.49	-5.02	30%(+/-)	Yes	Yes
% managed care organizations	0.6	0.7	0.6	9.61	-0.04	30%(+/-)	Yes	Yes
% nursing and custodial care facilities	3.2	2.0	1.2	-38.56	-38.75	30%(+/-)	Yes	Yes
% residential treatment facilities	1.1	0.9	0.5	-22.39	-45.78	30%(+/-)	Yes	Yes
% respite care facility	0.3	0.3	0.3	6.73	-4.98	30%(+/-)	Yes	Yes
% suppliers	7.9	5.0	3.3	-37.25	-34.12	30%(+/-)	Yes	Yes
% transportation services	0.3	0.2	0.3	-13.73	14.18	30%(+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	26,442	27,821	28,441	5.22	2.23	30%(+/-)	Yes	Yes
% a sole proprietorship	23.0	23.6	23.4	2.49	-0.70	30%(+/-)	Yes	Yes
% not a sole proprietorship	65.6	68.5	69.2	4.53	1.00	30%(+/-)	Yes	Yes
% not answered	11.4	7.9	7.4	-30.93	-6.58	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	16,229	14,006	13,387	-13.70	-4.42	30%(+/-)	Yes	Yes
% organization is a subpart	8.7	7.2	7.2	-17.01	0.78	30%(+/-)	Yes	Yes
% organization is not a subpart	61.6	67.1	68.4	8.94	1.97	30%(+/-)	Yes	Yes
% not answered	29.8	25.7	24.4	-13.53	-5.36	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.



**This page has been left blank for double-sided copying.**



# **MATHEMATICA** Policy Research

[www.mathematica-mpr.com](http://www.mathematica-mpr.com)

Improving public well-being by conducting high quality, objective research and surveys

Princeton, NJ ■ Ann Arbor, MI ■ Cambridge, MA ■ Chicago, IL ■ Oakland, CA ■ Washington, DC

Mathematica® is a registered trademark of Mathematica Policy Research