

**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: NY  
 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	2,775	2,381	2,019	-14.20	-15.20	30% (+/-)	Yes	Yes
% billing provider on IP claim	46.9	48.8	50.7	4.10	3.92	N/A	N/A	N/A
% NPI billing provider on IP claim	53.1	51.2	49.3	-3.61	-3.74	N/A	N/A	N/A
% also a provider on LT claim	30.5	24.4	23.1	-19.82	-5.58	N/A	N/A	N/A
% also a provider on OT claim	79.2	85.9	86.0	8.54	0.06	N/A	N/A	N/A
% also a provider on RX claim	3.4	3.3	6.1	-3.28	85.96	N/A	N/A	N/A
% provider IDs with NPI	88.6	87.4	89.7	-1.38	2.68	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	87.7	87.3	89.7	-0.49	2.73	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	1,569.3	1,827.3	2,120.1	16.44	16.02	30% (+/-)	Yes	Yes
average number of beneficiaries with IP claims	610.3	685.7	799.8	12.36	16.63	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	2,458	2,080	1,811	-15.38	-12.93	30% (+/-)	Yes	Yes
% NPI source = MSIS	96.9	96.6	97.2	-0.24	0.63	30% (+/-)	Yes	Yes
% NPI source = NPPES	3.1	3.4	2.8	7.41	-17.95	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	2,435	2,079	1,811	-14.62	-12.89	30% (+/-)	Yes	Yes
% linked via NPI	96.8	96.6	97.2	-0.21	0.63	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	3.1	3.3	2.7	6.34	-18.48	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.1	17.07	15.04	30% (+/-)	Yes	Yes
% with name prefix	0.1	0.0	0.0	-60.98	-100.00	30% (+/-)	Yes	Yes
% with first name	0.4	0.2	0.1	-48.11	-71.24	30% (+/-)	Yes	Yes
% with middle name	0.3	0.1	0.0	-49.83	-100.00	30% (+/-)	Yes	Yes
% with last name	0.4	0.2	0.1	-48.11	-71.24	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	0.0	0.0	-70.73	-100.00	30% (+/-)	Yes	Yes
% female	0.2	0.1	0.1	-29.76	-61.65	30% (+/-)	Yes	Yes
% with credential	0.4	0.2	0.1	-48.11	-71.24	30% (+/-)	Yes	Yes
% with business name	99.6	99.2	99.9	-0.40	0.72	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.4	100.0	-0.58	0.58	30% (+/-)	Yes	Yes
% with city	100.0	99.4	100.0	-0.58	0.58	30% (+/-)	Yes	Yes
% with state	100.0	99.4	100.0	-0.58	0.58	30% (+/-)	Yes	Yes
% state = IP state code	50.8	44.9	40.6	-11.73	-9.56	30% (+/-)	Yes	Yes
% with zip code	100.0	99.4	100.0	-0.58	0.58	30% (+/-)	Yes	Yes
% with primary taxonomy	99.0	98.7	99.3	-0.32	0.64	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.4	0.2	0.1	-48.11	-71.24	30% (+/-)	Yes	Yes
% with provider entity type = organization	99.6	99.2	99.9	-0.40	0.72	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 IP Billing Provider Characteristics Validation Table  
 State: NY  
 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	2,410	2,051	1,798	-14.90	-12.34	30% (+/-)	Yes	Yes
% individual or group of individuals	1.7	0.9	0.2	-48.38	-74.66	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	1.3	0.5	0.1	-58.32	-79.25	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.1	0.1	0.0	-20.97	-100.00	30% (+/-)	Yes	Yes
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.0	0.0	0.0	19.51	-100.00	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% emergency medical service providers	0.0	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	0.1	Div by 0	13.50	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	0.0	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	0.1	0.0	18.07	-100.00	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	0.0	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	98.3	99.1	99.8	0.84	0.66	30% (+/-)	Yes	Yes
% agencies	2.0	2.0	2.1	0.35	5.73	30% (+/-)	Yes	Yes
% ambulatory health care facilities	4.5	4.6	3.3	3.37	-27.96	30% (+/-)	Yes	Yes
% hospital units	11.6	13.0	14.5	12.02	11.93	30% (+/-)	Yes	Yes
% hospitals	65.6	72.7	78.1	10.89	7.42	30% (+/-)	Yes	Yes
% laboratories	0.3	0.4	0.0	34.48	-100.00	30% (+/-)	Yes	Yes
% 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	12.6	4.4	0.0	-65.21	-100.00	30% (+/-)	No	Yes
% residential treatment facilities	0.9	1.3	1.2	38.88	-3.50	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.6	0.5	0.3	-13.83	-48.12	30% (+/-)	Yes	Yes
% transportation services	0.2	0.2	0.2	-5.80	-14.43	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	9	4	1	-55.56	-75.00	30% (+/-)	Yes	Yes
% a sole proprietorship	22.2	25.0	100.0	12.50	300.00	30% (+/-)	Yes	No
% not a sole proprietorship	77.8	75.0	0.0	-3.57	-100.00	30% (+/-)	Yes	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	2,426	2,063	1,810	-14.96	-12.26	30% (+/-)	Yes	Yes
% organization is a subpart	10.9	12.3	13.1	12.28	6.77	30% (+/-)	Yes	Yes
% organization is not a subpart	68.1	69.6	70.8	2.21	1.83	30% (+/-)	Yes	Yes
% not answered	21.0	18.2	16.1	-13.53	-11.55	N/A	N/A	N/A

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

<sup>a</sup> "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.

<sup>b</sup> "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: NY  
 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	3,459	3,345	3,400	-3.30	1.64	30% (+/-)	Yes	Yes
% billing provider on LT claim	51.8	50.3	50.3	-2.94	0.08	N/A	N/A	N/A
% NPI billing provider on LT claim	48.2	49.7	49.7	3.16	-0.08	N/A	N/A	N/A
% also a provider on IP claim	24.5	17.4	13.7	-28.86	-21.23	N/A	N/A	N/A
% also a provider on OT claim	34.9	41.8	35.5	19.69	-15.00	N/A	N/A	N/A
% also a provider on RX claim	2.4	2.2	3.2	-8.90	46.26	N/A	N/A	N/A
% provider IDs with NPI	94.6	94.7	95.3	0.15	0.56	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	94.4	94.7	95.3	0.37	0.56	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 LT claims	5,959.2	6,663.0	6,942.5	11.81	4.19	30% (+/-)	Yes	Yes
average number of beneficiaries with LT claims	102.0	100.6	97.4	-1.29	-3.21	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	3,272	3,169	3,239	-3.15	2.21	30% (+/-)	Yes	Yes
% NPI source = MSIS	96.7	96.3	96.6	-0.40	0.28	30% (+/-)	Yes	Yes
% NPI source = NPPES	3.3	3.7	3.4	11.84	-7.18	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	3,265	3,169	3,239	-2.94	2.21	30% (+/-)	Yes	Yes
% linked via NPI	96.7	96.3	96.6	-0.40	0.28	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	3.2	3.7	3.4	14.80	-7.18	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% with name prefix	0.5	1.0	1.0	120.04	0.87	30% (+/-)	Yes	Yes
% with first name	1.0	1.7	1.8	70.61	5.25	30% (+/-)	Yes	Yes
% with middle name	0.6	1.3	1.2	111.09	-4.56	30% (+/-)	Yes	Yes
% with last name	1.0	1.7	1.8	70.61	5.25	30% (+/-)	Yes	Yes
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.6	0.9	1.1	57.22	18.10	30% (+/-)	Yes	Yes
% female	0.4	0.8	0.7	90.20	-10.27	30% (+/-)	Yes	Yes
% with credential	0.9	1.6	1.5	71.71	-2.17	30% (+/-)	Yes	Yes
% with business name	99.0	98.3	98.2	-0.76	-0.09	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.9	99.9	-0.06	0.00	30% (+/-)	Yes	Yes
% with city	100.0	99.9	99.9	-0.06	0.00	30% (+/-)	Yes	Yes
% with state	100.0	99.9	99.9	-0.06	0.00	30% (+/-)	Yes	Yes
% state = LT state code	94.4	95.2	95.3	0.92	0.11	30% (+/-)	Yes	Yes
% with zip code	100.0	99.9	99.9	-0.06	0.00	30% (+/-)	Yes	Yes
% with primary taxonomy	99.1	99.4	99.4	0.29	-0.02	30% (+/-)	Yes	Yes
% with provider entity type = individual	1.0	1.7	1.8	70.61	5.25	30% (+/-)	Yes	Yes
% with provider entity type = organization	99.0	98.3	98.2	-0.76	-0.09	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 eExtract (MAX) Provider Characteristics Files, 2009-2011.

<sup>a</sup> "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.

<sup>b</sup> "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: NY  
 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	3,236	3,150	3,219	-2.66	2.19	30% (+/-)	Yes	Yes
% individual or group of individuals	1.3	2.0	1.9	51.62	-2.13	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	1.1	1.5	1.4	31.29	-4.25	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.0	0.1	0.2	Div by 0	63.50	30% (+/-)	N/A	Yes
% chiropractic providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	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	-100.00	30% (+/-)	N/A	Yes
% 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	0.1	0.1	0.1	1.61	-1.38	30% (+/-)	Yes	Yes
% other service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% pharmacy service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% physician assistants and advanced practice nursing providers	0.0	0.2	0.2	616.13	11.95	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.0	0.0	0.0	3.23	-2.92	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.1	0.0	103.23	-100.00	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	0.0	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	98.7	98.0	98.1	-0.68	0.04	30% (+/-)	Yes	Yes
% agencies	2.8	2.8	2.8	-1.72	-1.04	30% (+/-)	Yes	Yes
% ambulatory health care facilities	1.9	2.0	2.4	6.05	17.72	30% (+/-)	Yes	Yes
% hospital units	5.0	4.7	4.5	-4.92	-4.11	30% (+/-)	Yes	Yes
% hospitals	8.0	7.2	7.7	-10.01	7.38	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.1	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.5	0.5	0.5	9.48	-8.27	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	76.0	75.9	75.5	-0.11	-0.55	30% (+/-)	Yes	Yes
% residential treatment facilities	4.3	4.6	4.4	7.92	-4.16	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.1	0.1	309.68	-26.62	30% (+/-)	Yes	Yes
% suppliers	0.2	0.2	0.2	-12.04	-18.25	30% (+/-)	Yes	Yes
% transportation services	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>								
Number of provider IDs with entity type = individual	32	53	57	65.63	7.55	30% (+/-)	No	Yes
% a sole proprietorship	34.4	22.6	36.8	-34.13	62.72	30% (+/-)	No	No
% not a sole proprietorship	62.5	75.5	59.6	20.76	-20.97	30% (+/-)	Yes	Yes
% not answered	3.1	1.9	3.5	-39.62	85.94	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	3,233	3,114	3,180	-3.68	2.12	30% (+/-)	Yes	Yes
% organization is a subpart	10.9	11.0	11.0	1.17	-0.08	30% (+/-)	Yes	Yes
% organization is not a subpart	53.9	56.3	57.2	4.42	1.61	30% (+/-)	Yes	Yes
% not answered	35.1	32.6	31.7	-7.15	-2.75	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: NY  
 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	276,176	270,533	272,853	-2.04	0.86	30% (+/-)	Yes	Yes
% billing provider on OT claim	31.1	33.2	34.8	6.82	4.82	N/A	N/A	N/A
% servicing provider on OT claim	53.6	48.1	46.9	-10.28	-2.42	N/A	N/A	N/A
% NPI servicing provider on OT claim	46.5	51.9	53.1	11.81	2.24	N/A	N/A	N/A
% also a provider on IP claim	0.7	0.6	0.5	-4.61	-15.55	N/A	N/A	N/A
% also a provider on LT claim	0.4	0.5	0.4	20.82	-15.55	N/A	N/A	N/A
% also a provider on RX claim	26.1	27.6	28.9	5.94	4.84	N/A	N/A	N/A
% provider IDs with NPI	88.7	92.8	94.5	4.58	1.86	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	87.9	92.6	94.1	5.39	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	1,432.2	1,565.9	1,600.3	9.33	2.20	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	212.6	231.8	239.0	9.06	3.08	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	244,953	250,947	257,818	2.45	2.74	30% (+/-)	Yes	Yes
% NPI source = MSIS	96.1	97.4	97.7	1.41	0.29	30% (+/-)	Yes	Yes
% NPI source = NPPES	3.9	2.6	2.3	-34.41	-11.06	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	242,626	250,487	256,761	3.24	2.50	30% (+/-)	Yes	Yes
% linked via NPI	96.0	97.4	97.7	1.45	0.29	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	4.0	2.6	2.3	-34.69	-10.93	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	-69.57	11.28	30% (+/-)	Yes	Yes
% with name prefix	42.9	43.2	43.3	0.87	0.09	30% (+/-)	Yes	Yes
% with first name	84.6	86.3	86.2	1.95	-0.09	30% (+/-)	Yes	Yes
% with middle name	51.1	52.2	51.9	2.13	-0.60	30% (+/-)	Yes	Yes
% with last name	84.6	86.3	86.2	1.95	-0.09	30% (+/-)	Yes	Yes
% with name suffix	1.3	1.3	1.2	-1.56	-1.37	30% (+/-)	Yes	Yes
% male	48.2	47.5	46.4	-1.34	-2.31	30% (+/-)	Yes	Yes
% female	36.5	38.8	39.8	6.31	2.64	30% (+/-)	Yes	Yes
% with credential	79.6	80.8	80.6	1.54	-0.32	30% (+/-)	Yes	Yes
% with business name	15.4	13.1	13.4	-14.46	1.97	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.4	99.6	-0.57	0.18	30% (+/-)	Yes	Yes
% with city	100.0	99.4	99.6	-0.57	0.18	30% (+/-)	Yes	Yes
% with state	100.0	99.4	99.6	-0.57	0.18	30% (+/-)	Yes	Yes
% state = OT state code	85.0	82.0	83.0	-3.54	1.14	30% (+/-)	Yes	Yes
% with zip code	100.0	99.4	99.6	-0.57	0.18	30% (+/-)	Yes	Yes
% with primary taxonomy	98.0	97.7	98.0	-0.24	0.30	30% (+/-)	Yes	Yes
% with provider entity type = individual	84.6	86.3	86.2	1.95	-0.09	30% (+/-)	Yes	Yes
% with provider entity type = organization	15.4	13.1	13.4	-14.46	1.97	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: NY  
 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	237,683	244,807	251,678	3.00	2.81	30% (+/-)	Yes	Yes
% individual or group of individuals	88.1	90.6	90.6	2.80	-0.02	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	53.4	52.7	51.4	-1.37	-2.57	30% (+/-)	Yes	Yes
% behavioral health and social service providers	8.5	9.0	9.1	5.34	1.35	30% (+/-)	Yes	Yes
% chiropractic providers	0.2	0.2	0.3	21.94	10.39	30% (+/-)	Yes	Yes
% dental providers	4.6	4.7	4.9	3.69	2.87	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.2	0.3	0.3	19.67	4.20	30% (+/-)	Yes	Yes
% emergency medical service providers	0.1	0.1	0.1	-11.94	-6.39	30% (+/-)	Yes	Yes
% eye and vision service providers	1.6	1.7	1.7	4.45	-0.95	30% (+/-)	Yes	Yes
% nursing service providers	3.4	4.6	5.0	38.45	7.20	30% (+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	25.00	9.27	30% (+/-)	Yes	Yes
% other service providers	3.6	3.3	3.2	-8.60	-3.42	30% (+/-)	Yes	Yes
% pharmacy service providers	0.2	0.2	0.2	-0.48	-7.61	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	7.4	8.3	8.6	12.66	4.15	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.5	1.5	1.4	-2.35	-2.16	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	2.3	2.6	2.7	11.33	5.20	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.7	0.8	0.8	14.61	5.05	30% (+/-)	Yes	Yes
% student health care	0.4	0.6	1.0	45.07	59.51	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	4.17	-9.41	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	11.9	9.4	9.4	-20.78	0.22	30% (+/-)	Yes	Yes
% agencies	2.5	1.4	1.5	-44.23	6.46	30% (+/-)	Yes	Yes
% ambulatory health care facilities	1.1	1.0	1.0	-14.86	4.99	30% (+/-)	Yes	Yes
% hospital units	0.1	0.1	0.1	-16.85	-9.79	30% (+/-)	Yes	Yes
% hospitals	2.1	1.2	1.3	-39.70	1.64	30% (+/-)	Yes	Yes
% laboratories	0.2	0.2	0.2	13.59	2.66	30% (+/-)	Yes	Yes
% managed care organizations	0.0	0.0	0.0	-10.64	10.69	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.3	0.3	0.3	5.47	-25.69	30% (+/-)	Yes	Yes
% residential treatment facilities	0.2	0.2	0.1	-24.27	-13.91	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	14.29	-35.43	30% (+/-)	Yes	Yes
% suppliers	4.2	4.3	4.2	1.14	-0.94	30% (+/-)	Yes	Yes
% transportation services	1.2	0.7	0.8	-35.44	2.03	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	205,349	216,146	221,365	5.26	2.41	30% (+/-)	Yes	Yes
% a sole proprietorship	29.3	29.8	30.5	1.88	2.31	30% (+/-)	Yes	Yes
% not a sole proprietorship	61.7	62.5	62.2	1.30	-0.46	30% (+/-)	Yes	Yes
% not answered	9.0	7.7	7.2	-15.05	-5.29	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	37,277	32,920	34,407	-11.69	4.52	30% (+/-)	Yes	Yes
% organization is a subpart	8.9	9.3	9.1	5.45	-2.08	30% (+/-)	Yes	Yes
% organization is not a subpart	64.8	69.7	70.2	7.54	0.73	30% (+/-)	Yes	Yes
% not answered	26.4	21.0	20.7	-20.35	-1.48	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: NY  
 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	88,530	93,129	97,515	5.19	4.71	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	97.1	96.6	97.5	-0.53	0.97	N/A	N/A	N/A
% NPI servicing provider on OT claim	0.0	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
% also a provider on IP claim	1.2	1.1	0.9	-10.56	-16.04	N/A	N/A	N/A
% also a provider on LT claim	0.8	0.8	0.6	3.36	-20.30	N/A	N/A	N/A
% also a provider on RX claim	64.1	64.3	63.4	0.35	-1.48	N/A	N/A	N/A
% provider IDs with NPI	79.8	85.3	85.9	6.97	0.64	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	79.4	85.3	85.9	7.53	0.64	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	2,878.9	2,989.3	2,919.4	3.84	-2.34	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	377.4	388.1	384.6	2.83	-0.89	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	70,623	79,467	83,740	12.52	5.38	30% (+/-)	Yes	Yes
% NPI source = MSIS	85.8	91.0	92.4	6.02	1.61	30% (+/-)	Yes	Yes
% NPI source = NPPES	14.2	9.0	7.6	-36.41	-16.21	30% (+/-)	No	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	70,250	79,463	83,736	13.11	5.38	30% (+/-)	Yes	Yes
% linked via NPI	85.7	91.0	92.4	6.11	1.61	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	14.2	9.0	7.5	-36.75	-16.24	30% (+/-)	No	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	-28.57	7.48	30% (+/-)	Yes	Yes
% with name prefix	42.3	43.0	43.3	1.84	0.68	30% (+/-)	Yes	Yes
% with first name	81.9	83.4	83.7	1.80	0.35	30% (+/-)	Yes	Yes
% with middle name	49.6	50.6	50.8	2.16	0.32	30% (+/-)	Yes	Yes
% with last name	81.9	83.4	83.7	1.80	0.35	30% (+/-)	Yes	Yes
% with name suffix	1.2	1.3	1.2	0.96	-2.89	30% (+/-)	Yes	Yes
% male	51.0	50.8	49.7	-0.42	-2.09	30% (+/-)	Yes	Yes
% female	30.9	32.6	34.0	5.44	4.16	30% (+/-)	Yes	Yes
% with credential	78.2	79.5	79.7	1.73	0.25	30% (+/-)	Yes	Yes
% with business name	18.1	16.1	16.0	-10.85	-0.72	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.5	99.7	-0.49	0.18	30% (+/-)	Yes	Yes
% with city	100.0	99.5	99.7	-0.49	0.18	30% (+/-)	Yes	Yes
% with state	100.0	99.5	99.7	-0.49	0.18	30% (+/-)	Yes	Yes
% state = OT state code	90.8	89.3	89.7	-1.66	0.44	30% (+/-)	Yes	Yes
% with zip code	100.0	99.5	99.7	-0.49	0.18	30% (+/-)	Yes	Yes
% with primary taxonomy	97.8	97.7	98.0	-0.12	0.27	30% (+/-)	Yes	Yes
% with provider entity type = individual	81.9	83.4	83.7	1.80	0.35	30% (+/-)	Yes	Yes
% with provider entity type = organization	18.1	16.1	16.0	-10.85	-0.72	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 eExtract (MAX) Provider Characteristics Files, 2009-2011.

<sup>a</sup> "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.

<sup>b</sup> "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: NY  
 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	68,736	77,658	82,054	12.98	5.66	30% (+/-)	Yes	Yes
% individual or group of individuals	85.2	87.1	87.5	2.20	0.49	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	56.5	56.8	55.8	0.51	-1.69	30% (+/-)	Yes	Yes
% behavioral health and social service providers	4.2	4.7	5.1	12.24	7.41	30% (+/-)	Yes	Yes
% chiropractic providers	0.1	0.1	0.1	51.16	5.00	30% (+/-)	Yes	Yes
% dental providers	6.0	6.1	6.0	0.46	-0.23	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	63.16	-17.44	30% (+/-)	Yes	Yes
% emergency medical service providers	0.0	0.0	0.0	-6.25	-10.63	30% (+/-)	Yes	Yes
% eye and vision service providers	1.9	1.9	1.9	-0.05	1.26	30% (+/-)	Yes	Yes
% nursing service providers	2.9	2.9	3.0	-1.10	2.92	30% (+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	0.00	7.53	30% (+/-)	Yes	Yes
% other service providers	3.5	3.5	3.5	-0.62	-1.81	30% (+/-)	Yes	Yes
% pharmacy service providers	0.3	0.3	0.3	-11.59	-8.90	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	5.5	6.2	6.8	12.85	8.31	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.9	1.9	1.9	-0.16	-1.88	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.7	1.8	2.1	9.99	12.33	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.2	0.3	0.4	23.73	36.90	30% (+/-)	Yes	Yes
% student health care	0.2	0.4	0.6	65.57	54.45	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	-21.74	-11.98	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	14.8	12.9	12.5	-12.62	-3.30	30% (+/-)	Yes	Yes
% agencies	2.9	2.1	2.2	-27.20	2.97	30% (+/-)	Yes	Yes
% ambulatory health care facilities	1.3	1.2	1.2	-14.09	0.18	30% (+/-)	Yes	Yes
% hospital units	0.1	0.1	0.1	-5.56	-3.22	30% (+/-)	Yes	Yes
% hospitals	1.2	1.1	1.1	-11.02	0.68	30% (+/-)	Yes	Yes
% laboratories	0.1	0.1	0.1	1.45	-3.37	30% (+/-)	Yes	Yes
% managed care organizations	0.1	0.1	0.1	-2.60	10.50	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.7	0.7	0.4	-3.27	-31.00	30% (+/-)	Yes	Yes
% residential treatment facilities	0.3	0.2	0.2	-20.55	-9.12	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	-17.65	-21.65	30% (+/-)	Yes	Yes
% suppliers	7.0	6.5	6.2	-7.91	-3.43	30% (+/-)	Yes	Yes
% transportation services	1.0	0.9	0.9	-10.09	-5.61	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	57,549	66,265	70,075	15.15	5.75	30% (+/-)	Yes	Yes
% a sole proprietorship	29.5	30.1	30.5	2.19	1.35	30% (+/-)	Yes	Yes
% not a sole proprietorship	60.7	61.5	61.5	1.41	-0.09	30% (+/-)	Yes	Yes
% not answered	9.8	8.3	8.0	-15.25	-4.23	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	12,701	12,808	13,400	0.84	4.62	30% (+/-)	Yes	Yes
% organization is a subpart	9.4	9.9	9.8	5.91	-1.79	30% (+/-)	Yes	Yes
% organization is not a subpart	64.8	68.7	69.3	6.06	0.91	30% (+/-)	Yes	Yes
% not answered	25.8	21.4	20.9	-17.34	-2.11	N/A	N/A	N/A

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

<sup>a</sup> "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.

<sup>b</sup> "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: NY  
 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	9,331	9,538	14,456	2.22	51.56	30% (+/-)	Yes	No
% billing provider on RX claim	50.3	50.0	49.3	-0.48	-1.36	N/A	N/A	N/A
% prescribing provider on RX claim	3.3	1.2	16.6	-64.09	1,315.33	N/A	N/A	N/A
% NPI billing provider on RX claim	49.7	50.0	50.7	0.49	1.36	N/A	N/A	N/A
% also a provider on IP claim	0.6	0.6	0.4	-3.90	-29.11	N/A	N/A	N/A
% also a provider on LT claim	0.4	0.3	0.3	-24.24	-6.35	N/A	N/A	N/A
% also a provider on OT claim	96.2	96.9	94.7	0.77	-2.31	N/A	N/A	N/A
% provider IDs with NPI	99.1	99.4	99.5	0.27	0.19	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	98.1	99.4	99.5	1.24	0.19	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	12,350.4	12,764.2	8,923.4	3.35	-30.09	30% (+/-)	Yes	No
average number of beneficiaries with RX claims	1,099.9	1,111.3	806.9	1.03	-27.39	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	9,245	9,476	14,390	2.50	51.86	30% (+/-)	Yes	No
% NPI source = MSIS	99.3	99.4	99.6	0.10	0.17	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.7	0.6	0.4	-15.05	-29.29	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	9,157	9,476	14,390	3.48	51.86	30% (+/-)	Yes	No
% linked via NPI	99.3	99.4	99.6	0.11	0.17	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.7	0.6	0.4	-15.81	-29.29	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.8	1.1	11.9	34.22	1,027.03	30% (+/-)	Yes	No
% with first name	1.8	2.2	33.3	25.52	1,382.28	30% (+/-)	Yes	No
% with middle name	0.7	0.9	24.5	38.63	2,600.11	30% (+/-)	Yes	No
% with last name	1.8	2.2	33.3	25.52	1,382.28	30% (+/-)	Yes	No
% with name suffix	0.0	0.0	0.6	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	1.1	1.3	18.6	24.30	1,298.21	30% (+/-)	Yes	No
% female	0.7	0.9	14.7	27.32	1,504.09	30% (+/-)	Yes	No
% with credential	1.6	2.0	32.5	27.98	1,504.23	30% (+/-)	Yes	No
% with business name	98.2	96.9	66.3	-1.34	-31.59	30% (+/-)	Yes	No
% with address line 1	100.0	99.1	99.6	-0.86	0.47	30% (+/-)	Yes	Yes
% with city	100.0	99.1	99.6	-0.86	0.47	30% (+/-)	Yes	Yes
% with state	100.0	99.1	99.6	-0.86	0.47	30% (+/-)	Yes	Yes
% state = RX state code	97.9	97.0	96.6	-0.96	-0.35	30% (+/-)	Yes	Yes
% with zip code	100.0	99.1	99.6	-0.86	0.47	30% (+/-)	Yes	Yes
% with primary taxonomy	97.7	97.4	98.0	-0.32	0.65	30% (+/-)	Yes	Yes
% with provider entity type = individual	1.8	2.2	33.3	25.52	1,382.28	30% (+/-)	Yes	No
% with provider entity type = organization	98.2	96.9	66.3	-1.34	-31.59	30% (+/-)	Yes	No
<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: NY  
 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	8,943	9,225	14,100	3.15	52.85	30% (+/-)	Yes	No
% individual or group of individuals	7.1	7.4	36.8	3.82	400.21	30% (+/-)	Yes	No
% allopathic and osteopathic physicians	1.5	2.0	21.5	31.59	966.64	30% (+/-)	Yes	No
% behavioral health and social service providers	0.0	0.0	0.1	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	1.7	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	0.2	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	0.1	0.2	0.9	103.96	337.24	30% (+/-)	Yes	Yes
% pharmacy service providers	5.5	5.1	3.3	-5.85	-35.68	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	0.0	0.0	8.6	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% podiatric medicine and surgery service providers	0.0	0.0	0.4	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	0.1	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	92.9	92.6	63.2	-0.29	-31.80	30% (+/-)	Yes	No
% agencies	0.2	0.2	0.1	7.55	-37.79	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.2	0.1	0.1	-39.66	5.07	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% hospitals	0.4	0.4	0.3	-8.03	-13.34	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	-35.29	28.95	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.0	0.0	0.0	0.00	28.95	30% (+/-)	Yes	Yes
% 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	92.0	91.8	62.5	-0.18	-31.92	30% (+/-)	Yes	No
% 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	164	213	4,795	29.88	2,151.17	30% (+/-)	Yes	No
% a sole proprietorship	45.1	43.7	15.9	-3.24	-63.56	30% (+/-)	Yes	No
% not a sole proprietorship	48.8	50.7	79.7	3.94	57.20	30% (+/-)	Yes	No
% not answered	6.1	5.6	4.4	-7.61	-22.27	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	8,993	9,182	9,539	2.10	3.89	30% (+/-)	Yes	Yes
% organization is a subpart	16.0	16.5	16.3	2.76	-1.07	30% (+/-)	Yes	Yes
% organization is not a subpart	72.6	73.7	74.7	1.56	1.28	30% (+/-)	Yes	Yes
% not answered	11.4	9.8	9.0	-13.84	-7.81	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: NY

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	92,951	87,985	82,651	-5.34	-6.06	30% (+/-)	Yes	Yes
% billing provider on RX claim	0.3	0.1	2.9	-61.28	2,188.34	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	0.1	0.0	0.1	-40.00	182.31	N/A	N/A	N/A
% also a provider on LT claim	0.1	0.1	0.1	-11.67	73.50	N/A	N/A	N/A
% also a provider on OT claim	68.1	74.6	81.9	9.56	9.72	N/A	N/A	N/A
% provider IDs with NPI	57.9	67.7	74.5	16.88	10.03	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	57.6	67.7	74.5	17.47	10.03	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	605.1	628.5	743.8	3.87	18.34	30% (+/-)	Yes	Yes
average number of beneficiaries with RX claims	89.7	96.2	112.9	7.35	17.34	30% (+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	53,826	59,552	61,550	10.64	3.36	30% (+/-)	Yes	Yes
% NPI source = MSIS	83.1	89.5	90.6	7.76	1.25	30% (+/-)	Yes	Yes
% NPI source = NPPES	16.9	10.5	9.4	-38.14	-10.65	30% (+/-)	No	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	53,553	59,550	61,548	11.20	3.36	30% (+/-)	Yes	Yes
% linked via NPI	83.0	89.5	90.6	7.88	1.24	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	17.0	10.5	9.3	-38.43	-10.67	30% (+/-)	No	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	-66.67	62.47	30% (+/-)	Yes	Yes
% with name prefix	50.4	51.2	51.3	1.62	0.12	30% (+/-)	Yes	Yes
% with first name	97.6	98.6	98.8	1.04	0.11	30% (+/-)	Yes	Yes
% with middle name	59.2	60.3	60.2	1.79	-0.07	30% (+/-)	Yes	Yes
% with last name	97.6	98.6	98.8	1.04	0.11	30% (+/-)	Yes	Yes
% with name suffix	1.5	1.5	1.5	0.34	-1.95	30% (+/-)	Yes	Yes
% male	60.7	60.2	59.0	-0.84	-1.94	30% (+/-)	Yes	Yes
% female	37.0	38.5	39.8	4.13	3.31	30% (+/-)	Yes	Yes
% with credential	93.9	94.7	94.9	0.95	0.15	30% (+/-)	Yes	Yes
% with business name	2.4	0.9	1.0	-62.40	6.44	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.5	99.7	-0.47	0.17	30% (+/-)	Yes	Yes
% with city	100.0	99.5	99.7	-0.47	0.17	30% (+/-)	Yes	Yes
% with state	100.0	99.5	99.7	-0.47	0.17	30% (+/-)	Yes	Yes
% state = RX state code	92.5	91.9	92.3	-0.71	0.48	30% (+/-)	Yes	Yes
% with zip code	100.0	99.5	99.7	-0.47	0.17	30% (+/-)	Yes	Yes
% with primary taxonomy	98.0	97.9	98.1	-0.12	0.26	30% (+/-)	Yes	Yes
% with provider entity type = individual	97.6	98.6	98.8	1.04	0.11	30% (+/-)	Yes	Yes
% with provider entity type = organization	2.4	0.9	1.0	-62.40	6.44	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.

<sup>a</sup> "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.

<sup>b</sup> "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: NY  
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	52,467	58,272	60,381	11.06	3.62	30% (+/-)	Yes	Yes
% individual or group of individuals	98.2	99.3	99.3	1.11	-0.06	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	69.0	68.3	67.1	-1.02	-1.78	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.4	0.3	0.3	-9.39	-7.09	30% (+/-)	Yes	Yes
% chiropractic providers	0.0	0.0	0.0	2.63	-19.32	30% (+/-)	Yes	Yes
% dental providers	8.0	8.2	8.2	2.25	-0.15	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.1	0.1	0.0	16.98	-19.86	30% (+/-)	Yes	Yes
% emergency medical service providers	0.1	0.1	0.1	0.00	1.69	30% (+/-)	Yes	Yes
% eye and vision service providers	1.6	1.7	1.7	10.44	1.81	30% (+/-)	Yes	Yes
% nursing service providers	0.2	0.2	0.3	11.50	14.37	30% (+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	50.00	176.03	30% (+/-)	Yes	Yes
% other service providers	4.1	3.9	3.9	-3.69	-2.18	30% (+/-)	Yes	Yes
% pharmacy service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% physician assistants and advanced practice nursing providers	11.7	13.1	14.1	12.60	7.61	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	2.4	2.3	2.2	-3.08	-2.90	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	0.3	0.2	3.28	-23.34	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.1	0.1	0.1	-21.55	-38.12	30% (+/-)	Yes	Yes
% student health care	0.5	0.7	1.1	56.86	52.77	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	-50.00	65.62	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	1.8	0.7	0.7	-62.05	8.68	30% (+/-)	Yes	Yes
% agencies	0.3	0.1	0.0	-71.10	-41.16	30% (+/-)	Yes	Yes
% ambulatory health care facilities	0.3	0.2	0.2	-47.28	-2.79	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	-37.50	231.23	30% (+/-)	Yes	Yes
% hospitals	0.6	0.3	0.3	-47.99	-8.73	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	-66.67	65.62	30% (+/-)	Yes	Yes
% managed care organizations	0.0	0.0	0.0	-56.25	-5.36	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.0	0.0	0.0	-56.52	32.49	30% (+/-)	Yes	Yes
% residential treatment facilities	0.1	0.0	0.0	-59.65	-49.60	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.3	0.0	0.1	-97.33	1,427.34	30% (+/-)	Yes	Yes
% transportation services	0.0	0.0	0.0	-80.00	-17.19	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	52,281	58,741	60,779	12.36	3.47	30% (+/-)	Yes	Yes
% a sole proprietorship	27.8	28.7	29.0	3.15	1.12	30% (+/-)	Yes	Yes
% not a sole proprietorship	62.4	63.1	63.2	1.07	0.28	30% (+/-)	Yes	Yes
% not answered	9.8	8.3	7.8	-15.71	-6.04	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	1,272	532	585	-58.18	9.96	30% (+/-)	No	Yes
% organization is a subpart	6.1	4.1	6.3	-31.69	52.96	30% (+/-)	Yes	Yes
% organization is not a subpart	65.6	64.1	69.6	-2.24	8.54	30% (+/-)	Yes	Yes
% not answered	28.4	31.8	24.1	11.93	-24.13	N/A	N/A	N/A

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

<sup>a</sup> "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.

<sup>b</sup> "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: NY  
 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	311,362	298,536	293,377	-4.12	-1.73	30%(+/-)	Yes	Yes
% billing provider on IP claim	0.4	0.4	0.3	-6.94	-10.27	N/A	N/A	N/A
% NPI billing provider on IP claim	0.5	0.4	0.3	-13.74	-16.87	N/A	N/A	N/A
% billing provider on LT claim	0.6	0.6	0.6	-2.09	3.53	N/A	N/A	N/A
% NPI billing provider on LT claim	0.5	0.6	0.6	3.92	3.42	N/A	N/A	N/A
% billing provider on OT claim	28.4	31.2	33.2	9.71	6.55	N/A	N/A	N/A
% servicing provider on OT claim	47.5	43.5	43.6	-8.34	0.14	N/A	N/A	N/A
% NPI servicing provider on OT claim	41.2	47.1	49.4	14.23	4.93	N/A	N/A	N/A
% billing provider on RX claim	1.5	1.6	2.4	6.11	52.15	N/A	N/A	N/A
% prescribing provider on RX claim	29.9	29.5	28.2	-1.28	-4.41	N/A	N/A	N/A
% NPI billing provider on RX claim	1.5	1.6	2.5	7.11	56.30	N/A	N/A	N/A
% billing provider	28.9	31.6	33.8	9.37	7.06	N/A	N/A	N/A
% NPI billing provider	2.4	2.5	3.3	4.07	35.27	N/A	N/A	N/A
% servicing provider	47.5	43.5	43.6	-8.34	0.14	N/A	N/A	N/A
% NPI servicing provider	41.2	47.1	49.4	14.23	4.93	N/A	N/A	N/A
% prescribing provider	29.9	29.5	28.2	-1.28	-4.41	N/A	N/A	N/A
% provider IDs with NPI	80.5	85.8	89.7	6.59	4.64	30%(+/-)	Yes	Yes
% provider IDs linked to NPPES	79.7	85.6	89.4	7.40	4.41	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	1,953.7	2,229.0	2,350.1	14.09	5.43	30%(+/-)	Yes	Yes
average number of beneficiaries with claims	241.1	271.8	288.9	12.75	6.29	30%(+/-)	Yes	Yes
<b>Provider IDs with NPI</b>								
Number of provider IDs with NPI	250,544	256,048	263,303	2.20	2.83	30%(+/-)	Yes	Yes
% NPI source = MSIS	95.2	96.6	97.0	1.41	0.43	30%(+/-)	Yes	Yes
% NPI source = NPPES	4.8	3.4	3.0	-28.15	-12.22	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	248,201	255,588	262,246	2.98	2.60	30%(+/-)	Yes	Yes
% linked via NPI	95.2	96.6	97.0	1.45	0.43	30%(+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	4.8	3.4	3.0	-28.47	-12.07	30%(+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	-70.83	14.40	30%(+/-)	Yes	Yes
% with name prefix	42.2	42.7	42.7	1.07	0.05	30%(+/-)	Yes	Yes
% with first name	83.4	85.1	85.0	2.15	-0.11	30%(+/-)	Yes	Yes
% with middle name	50.4	51.5	51.2	2.34	-0.63	30%(+/-)	Yes	Yes
% with last name	83.4	85.1	85.0	2.15	-0.11	30%(+/-)	Yes	Yes
% with name suffix	1.3	1.2	1.2	-1.27	-1.25	30%(+/-)	Yes	Yes
% male	47.4	46.9	45.8	-1.12	-2.36	30%(+/-)	Yes	Yes
% female	35.9	38.3	39.3	6.46	2.63	30%(+/-)	Yes	Yes
% with credential	78.4	79.8	79.5	1.73	-0.34	30%(+/-)	Yes	Yes
% with business name	16.6	14.3	14.6	-14.11	1.92	30%(+/-)	Yes	Yes
% with address line 1	100.0	99.4	99.6	-0.56	0.18	30%(+/-)	Yes	Yes
% with city	100.0	99.4	99.6	-0.56	0.18	30%(+/-)	Yes	Yes
% with state	100.0	99.4	99.6	-0.56	0.18	30%(+/-)	Yes	Yes
% state = claim file state code	85.0	82.1	83.0	-3.42	1.14	30%(+/-)	Yes	Yes
% with zip code	100.0	99.4	99.6	-0.56	0.18	30%(+/-)	Yes	Yes
% with primary taxonomy	98.0	97.7	98.0	-0.22	0.28	30%(+/-)	Yes	Yes

Source: Medicaid Analytic eExtract (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: NY  
 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	83.4	85.1	85.0	2.15	-0.11	30%(+/-)	Yes	Yes
% with provider entity type = organization	16.6	14.3	14.6	-14.11	1.92	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	243,155	249,832	257,063	2.75	2.89	30%(+/-)	Yes	Yes
% individual or group of individuals	86.8	89.4	89.4	2.98	-0.06	30%(+/-)	Yes	Yes
% allopathic and osteopathic physicians	52.6	52.0	50.7	-1.16	-2.58	30%(+/-)	Yes	Yes
% behavioral health and social service providers	8.3	8.8	8.9	5.57	1.24	30%(+/-)	Yes	Yes
% chiropractic providers	0.2	0.2	0.3	21.88	10.39	30%(+/-)	Yes	Yes
% dental providers	4.6	4.7	4.9	3.89	2.71	30%(+/-)	Yes	Yes
% dietary and nutritional service providers	0.2	0.3	0.3	19.66	4.20	30%(+/-)	Yes	Yes
% emergency medical service providers	0.1	0.1	0.1	-10.77	-6.77	30%(+/-)	Yes	Yes
% eye and vision service providers	1.6	1.7	1.6	4.39	-1.31	30%(+/-)	Yes	Yes
% nursing service providers	3.3	4.5	4.9	38.62	7.16	30%(+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	25.00	10.87	30%(+/-)	Yes	Yes
% other service providers	3.6	3.3	3.2	-8.25	-3.58	30%(+/-)	Yes	Yes
% pharmacy service providers	0.2	0.2	0.2	-2.35	-4.24	30%(+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	7.3	8.2	8.6	12.59	4.36	30%(+/-)	Yes	Yes
% podiatric medicine and surgery service providers	1.5	1.4	1.4	-2.25	-2.57	30%(+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	2.3	2.6	2.7	11.67	4.85	30%(+/-)	Yes	Yes
% speech, language, and hearing service providers	0.7	0.7	0.8	14.55	4.79	30%(+/-)	Yes	Yes
% student health care	0.4	0.6	1.0	45.32	59.58	30%(+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	0.00	-7.61	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	13.2	10.6	10.6	-19.69	0.48	30%(+/-)	Yes	Yes
% agencies	2.5	1.5	1.5	-40.96	1.27	30%(+/-)	Yes	Yes
% ambulatory health care facilities	1.2	1.0	1.0	-14.16	3.36	30%(+/-)	Yes	Yes
% hospital units	0.2	0.1	0.1	-13.25	-3.79	30%(+/-)	Yes	Yes
% hospitals	2.3	1.4	1.4	-37.45	-0.75	30%(+/-)	Yes	Yes
% laboratories	0.2	0.2	0.2	13.89	2.47	30%(+/-)	Yes	Yes
% managed care organizations	0.1	0.1	0.1	-7.94	8.65	30%(+/-)	Yes	Yes
% nursing and custodial care facilities	1.1	1.0	1.0	-10.40	-2.05	30%(+/-)	Yes	Yes
% residential treatment facilities	0.3	0.2	0.2	-19.92	-10.69	30%(+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	14.29	-27.06	30%(+/-)	Yes	Yes
% suppliers	4.2	4.3	4.3	0.90	0.90	30%(+/-)	Yes	Yes
% transportation services	1.1	0.7	0.7	-35.53	1.52	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	206,884	217,619	223,033	5.19	2.49	30%(+/-)	Yes	Yes
% a sole proprietorship	29.3	29.8	30.5	1.88	2.29	30%(+/-)	Yes	Yes
% not a sole proprietorship	61.7	62.5	62.2	1.30	-0.44	30%(+/-)	Yes	Yes
% not answered	9.0	7.7	7.3	-14.94	-5.29	N/A	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>								
Number of provider IDs with entity type = organization	41,317	36,543	38,214	-11.55	4.57	30%(+/-)	Yes	Yes
% organization is a subpart	9.1	9.5	9.4	5.22	-0.92	30%(+/-)	Yes	Yes
% organization is not a subpart	63.9	68.3	69.1	6.79	1.25	30%(+/-)	Yes	Yes
% not answered	27.0	22.2	21.4	-17.83	-3.44	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

