

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

**State-Specific Validation Tables,  
2010**

**New York**

May 31, 2013

Deo Bencio  
Mei-ling Mason



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**Policy Research**

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## ACRONYMS

CMS	Centers for Medicare & Medicaid Services
CY	Calendar year
FY	Federal fiscal year
HIPAA	Health Insurance Portability and Accountability Act
ID	Identification/identifier
IP	Inpatient
LT	Long-term care
MAX	Medicaid Analytic Extract
MAXPC	MAX Provider Characteristics File
MSIS	Medicaid Statistical Information System
NPI	National Provider Identifier
NPPES	National Plan and Provider Enumeration System
OT	Other services
RX	Drug
UPIN	Unique Physician Identification Number

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## INTRODUCTION

The Medicaid Statistical Information System (MSIS) files and the corresponding research-friendly Medicaid Analytic Extract (MAX) files support a wide range of studies on Medicaid enrollment, service use, and expenditures. There is currently considerable interest at the Centers for Medicare & Medicaid Services (CMS) in also examining health reform proposals, program integrity, and access-to-care issues among certain types of Medicaid providers. However, it has not been possible to easily conduct provider-based research activities because the provider identification numbers collected in MSIS are largely unedited, undocumented, and state specific.

The advent of the Health Insurance Portability and Accountability Act (HIPAA) mandated covered entities such as health care providers, health plans, and health care clearinghouses to obtain and use a National Provider Identifier (NPI) in all administrative and financial HIPAA transactions.<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

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

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

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

- Number of IP Claims for Provider
- Number of Beneficiaries with IP Claims for Provider
- Number of LT Claims for Provider
- Number of Beneficiaries with LT Claims for Provider
- Number of OT Claims for Provider
- Number of Beneficiaries with OT Claims for Provider
- Number of RX Claims for provider
- Number of Beneficiaries with RX Claims for Provider.



## 2009-2010 MAX IP Billing Provider Characteristics Validation Table

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>IP Providers</b>					
Number of provider IDs	2,775	2,381	-14.20	30% (+/-)	Yes
% billing provider on IP claim	46.9	48.8	4.10	N/A	N/A
% NPI billing provider on IP claim	53.1	51.2	-3.61	N/A	N/A
% also a provider on LT claim	30.5	24.4	-19.82	N/A	N/A
% also a provider on OT claim	79.2	85.9	8.54	N/A	N/A
% also a provider on RX claim	3.4	3.3	-3.28	N/A	N/A
% provider IDs with NPI	88.6	87.4	-1.38	30% (+/-)	Yes
% provider IDs linked to NPPES	87.7	87.3	-0.49	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of IP claims	1,569.3	1,827.3	16.44	30% (+/-)	Yes
average number of beneficiaries with IP claims	610.3	685.7	12.36	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	2,458	2,080	-15.38	30% (+/-)	Yes
% NPI source = MSIS	96.9	96.6	-0.24	30% (+/-)	Yes
% NPI source = NPPES	3.1	3.4	7.41	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	2,435	2,079	-14.62	30% (+/-)	Yes
% linked via NPI	96.8	96.6	-0.21	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	3.1	3.3	6.34	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	17.07	30% (+/-)	Yes
% with name prefix	0.1	0.0	-60.98	30% (+/-)	Yes
% with first name	0.4	0.2	-48.11	30% (+/-)	Yes
% with middle name	0.3	0.1	-49.83	30% (+/-)	Yes
% with last name	0.4	0.2	-48.11	30% (+/-)	Yes
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.2	0.0	-70.73	30% (+/-)	Yes
% female	0.2	0.1	-29.76	30% (+/-)	Yes
% with credential	0.4	0.2	-48.11	30% (+/-)	Yes
% with business name	99.6	99.2	-0.40	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.58	30% (+/-)	Yes
% with city	100.0	99.4	-0.58	30% (+/-)	Yes
% with state	100.0	99.4	-0.58	30% (+/-)	Yes
% state = IP state code	50.8	44.9	-11.73	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.58	30% (+/-)	Yes
% with primary taxonomy	99.0	98.7	-0.32	30% (+/-)	Yes
% with provider entity type = individual	0.4	0.2	-48.11	30% (+/-)	Yes
% with provider entity type = organization	99.6	99.2	-0.40	30% (+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	2,410	2,051	-14.90	30% (+/-)	Yes
% individual or group of individuals	1.7	0.9	-48.38	30% (+/-)	Yes
% allopathic and osteopathic physicians	1.3	0.5	-58.32	30% (+/-)	Yes
% behavioral health and social service providers	0.1	0.1	-20.97	30% (+/-)	Yes

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

<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.

**2009-2010 MAX IP Billing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% chiropractic providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dental providers	0.0	0.0	19.51	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% eye and vision service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service providers	0.0	0.1	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.1	0.0	-100.00	30% (+/-)	Yes
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	-100.00	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.1	18.07	30% (+/-)	Yes
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	98.3	99.1	0.84	30% (+/-)	Yes
% agencies	2.0	2.0	0.35	30% (+/-)	Yes
% ambulatory health care facilities	4.5	4.6	3.37	30% (+/-)	Yes
% hospital units	11.6	13.0	12.02	30% (+/-)	Yes
% hospitals	65.6	72.7	10.89	30% (+/-)	Yes
% laboratories	0.3	0.4	34.48	30% (+/-)	Yes
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	12.6	4.4	-65.21	30% (+/-)	No
% residential treatment facilities	0.9	1.3	38.88	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.6	0.5	-13.83	30% (+/-)	Yes
% transportation services	0.2	0.2	-5.80	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	9	4	-55.56	30% (+/-)	Yes
% a sole proprietorship	22.2	25.0	12.50	30% (+/-)	Yes
% not a sole proprietorship	77.8	75.0	-3.57	30% (+/-)	Yes
% not answered	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	2,426	2,063	-14.96	30% (+/-)	Yes
% organization is a subpart	10.9	12.3	12.28	30% (+/-)	Yes
% organization is not a subpart	68.1	69.6	2.21	30% (+/-)	Yes
% not answered	21.0	18.2	-13.53	N/A	N/A

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

<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.

**2009-2010 MAX LT Billing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>LT Providers</b>					
Number of provider IDs	3,459	3,345	-3.30	30% (+/-)	Yes
% billing provider on LT claim	51.8	50.3	-2.94	N/A	N/A
% NPI billing provider on LT claim	48.2	49.7	3.16	N/A	N/A
% also a provider on IP claim	24.5	17.4	-28.86	N/A	N/A
% also a provider on OT claim	34.9	41.8	19.69	N/A	N/A
% also a provider on RX claim	2.4	2.2	-8.90	N/A	N/A
% provider IDs with NPI	94.6	94.7	0.15	30% (+/-)	Yes
% provider IDs linked to NPPES	94.4	94.7	0.37	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of LT claims	5,959.2	6,663.0	11.81	30% (+/-)	Yes
average number of beneficiaries with LT claims	102.0	100.6	-1.29	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	3,272	3,169	-3.15	30% (+/-)	Yes
% NPI source = MSIS	96.7	96.3	-0.40	30% (+/-)	Yes
% NPI source = NPPES	3.3	3.7	11.84	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	3,265	3,169	-2.94	30% (+/-)	Yes
% linked via NPI	96.7	96.3	-0.40	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	3.2	3.7	14.80	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.0	-100.00	30% (+/-)	Yes
% with name prefix	0.5	1.0	120.04	30% (+/-)	Yes
% with first name	1.0	1.7	70.61	30% (+/-)	Yes
% with middle name	0.6	1.3	111.09	30% (+/-)	Yes
% with last name	1.0	1.7	70.61	30% (+/-)	Yes
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.6	0.9	57.22	30% (+/-)	Yes
% female	0.4	0.8	90.20	30% (+/-)	Yes
% with credential	0.9	1.6	71.71	30% (+/-)	Yes
% with business name	99.0	98.3	-0.76	30% (+/-)	Yes
% with address line 1	100.0	99.9	-0.06	30% (+/-)	Yes
% with city	100.0	99.9	-0.06	30% (+/-)	Yes
% with state	100.0	99.9	-0.06	30% (+/-)	Yes
% state = LT state code	94.4	95.2	0.92	30% (+/-)	Yes
% with zip code	100.0	99.9	-0.06	30% (+/-)	Yes
% with primary taxonomy	99.1	99.4	0.29	30% (+/-)	Yes
% with provider entity type = individual	1.0	1.7	70.61	30% (+/-)	Yes
% with provider entity type = organization	99.0	98.3	-0.76	30% (+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	3,236	3,150	-2.66	30% (+/-)	Yes
% individual or group of individuals	1.3	2.0	51.62	30% (+/-)	Yes
% allopathic and osteopathic physicians	1.1	1.5	31.29	30% (+/-)	Yes
% behavioral health and social service providers	0.0	0.1	Div by 0	30% (+/-)	N/A

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

<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.

**2009-2010 MAX LT Billing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% chiropractic providers	0.0	0.0	-100.00	30% (+/-)	Yes
% dental providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% eye and vision service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.1	0.1	1.61	30% (+/-)	Yes
% other service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.0	0.2	616.13	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.0	0.0	3.23	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.1	103.23	30% (+/-)	Yes
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	98.7	98.0	-0.68	30% (+/-)	Yes
% agencies	2.8	2.8	-1.72	30% (+/-)	Yes
% ambulatory health care facilities	1.9	2.0	6.05	30% (+/-)	Yes
% hospital units	5.0	4.7	-4.92	30% (+/-)	Yes
% hospitals	8.0	7.2	-10.01	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.5	0.5	9.48	30% (+/-)	Yes
% nursing and custodial care facilities	76.0	75.9	-0.11	30% (+/-)	Yes
% residential treatment facilities	4.3	4.6	7.92	30% (+/-)	Yes
% respite care facility	0.0	0.1	309.68	30% (+/-)	Yes
% suppliers	0.2	0.2	-12.04	30% (+/-)	Yes
% transportation services	0.1	0.0	-100.00	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	32	53	65.63	30% (+/-)	No
% a sole proprietorship	34.4	22.6	-34.13	30% (+/-)	No
% not a sole proprietorship	62.5	75.5	20.76	30% (+/-)	Yes
% not answered	3.1	1.9	-39.62	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	3,233	3,114	-3.68	30% (+/-)	Yes
% organization is a subpart	10.9	11.0	1.17	30% (+/-)	Yes
% organization is not a subpart	53.9	56.3	4.42	30% (+/-)	Yes
% not answered	35.1	32.6	-7.15	N/A	N/A

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

<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.

**2009-2010 MAX OT Servicing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>OT Providers</b>					
Number of provider IDs	276,176	270,533	-2.04	30% (+/-)	Yes
% billing provider on OT claim	31.1	33.2	6.82	N/A	N/A
% servicing provider on OT claim	53.6	48.1	-10.28	N/A	N/A
% NPI servicing provider on OT claim	46.5	51.9	11.81	N/A	N/A
% also a provider on IP claim	0.7	0.6	-4.61	N/A	N/A
% also a provider on LT claim	0.4	0.5	20.82	N/A	N/A
% also a provider on RX claim	26.1	27.6	5.94	N/A	N/A
% provider IDs with NPI	88.7	92.8	4.58	30% (+/-)	Yes
% provider IDs linked to NPPES	87.9	92.6	5.39	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of OT claims	1,432.2	1,565.9	9.33	30% (+/-)	Yes
average number of beneficiaries with OT claims	212.6	231.8	9.06	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	244,953	250,947	2.45	30% (+/-)	Yes
% NPI source = MSIS	96.1	97.4	1.41	30% (+/-)	Yes
% NPI source = NPPES	3.9	2.6	-34.41	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	242,626	250,487	3.24	30% (+/-)	Yes
% linked via NPI	96.0	97.4	1.45	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	4.0	2.6	-34.69	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-69.57	30% (+/-)	Yes
% with name prefix	42.9	43.2	0.87	30% (+/-)	Yes
% with first name	84.6	86.3	1.95	30% (+/-)	Yes
% with middle name	51.1	52.2	2.13	30% (+/-)	Yes
% with last name	84.6	86.3	1.95	30% (+/-)	Yes
% with name suffix	1.3	1.3	-1.56	30% (+/-)	Yes
% male	48.2	47.5	-1.34	30% (+/-)	Yes
% female	36.5	38.8	6.31	30% (+/-)	Yes
% with credential	79.6	80.8	1.54	30% (+/-)	Yes
% with business name	15.4	13.1	-14.46	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.57	30% (+/-)	Yes
% with city	100.0	99.4	-0.57	30% (+/-)	Yes
% with state	100.0	99.4	-0.57	30% (+/-)	Yes
% state = OT state code	85.0	82.0	-3.54	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.57	30% (+/-)	Yes
% with primary taxonomy	98.0	97.7	-0.24	30% (+/-)	Yes
% with provider entity type = individual	84.6	86.3	1.95	30% (+/-)	Yes
% with provider entity type = organization	15.4	13.1	-14.46	30% (+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	237,683	244,807	3.00	30% (+/-)	Yes
% individual or group of individuals	88.1	90.6	2.80	30% (+/-)	Yes
% allopathic and osteopathic physicians	53.4	52.7	-1.37	30% (+/-)	Yes

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

<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.

**2009-2010 MAX OT Servicing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% behavioral health and social service providers	8.5	9.0	5.34	30% (+/-)	Yes
% chiropractic providers	0.2	0.2	21.94	30% (+/-)	Yes
% dental providers	4.6	4.7	3.69	30% (+/-)	Yes
% dietary and nutritional service providers	0.2	0.3	19.67	30% (+/-)	Yes
% emergency medical service providers	0.1	0.1	-11.94	30% (+/-)	Yes
% eye and vision service providers	1.6	1.7	4.45	30% (+/-)	Yes
% nursing service providers	3.4	4.6	38.45	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	25.00	30% (+/-)	Yes
% other service providers	3.6	3.3	-8.60	30% (+/-)	Yes
% pharmacy service providers	0.2	0.2	-0.48	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	7.4	8.3	12.66	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.5	1.5	-2.35	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	2.3	2.6	11.33	30% (+/-)	Yes
% speech, language, and hearing service providers	0.7	0.8	14.61	30% (+/-)	Yes
% student health care	0.4	0.6	45.07	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	4.17	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	11.9	9.4	-20.78	30% (+/-)	Yes
% agencies	2.5	1.4	-44.23	30% (+/-)	Yes
% ambulatory health care facilities	1.1	1.0	-14.86	30% (+/-)	Yes
% hospital units	0.1	0.1	-16.85	30% (+/-)	Yes
% hospitals	2.1	1.2	-39.70	30% (+/-)	Yes
% laboratories	0.2	0.2	13.59	30% (+/-)	Yes
% managed care organizations	0.0	0.0	-10.64	30% (+/-)	Yes
% nursing and custodial care facilities	0.3	0.3	5.47	30% (+/-)	Yes
% residential treatment facilities	0.2	0.2	-24.27	30% (+/-)	Yes
% respite care facility	0.0	0.0	14.29	30% (+/-)	Yes
% suppliers	4.2	4.3	1.14	30% (+/-)	Yes
% transportation services	1.2	0.7	-35.44	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	205,349	216,146	5.26	30% (+/-)	Yes
% a sole proprietorship	29.3	29.8	1.88	30% (+/-)	Yes
% not a sole proprietorship	61.7	62.5	1.30	30% (+/-)	Yes
% not answered	9.0	7.7	-15.05	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	37,277	32,920	-11.69	30% (+/-)	Yes
% organization is a subpart	8.9	9.3	5.45	30% (+/-)	Yes
% organization is not a subpart	64.8	69.7	7.54	30% (+/-)	Yes
% not answered	26.4	21.0	-20.35	N/A	N/A

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

<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.

# 2009-2010 MAX OT Billing Provider Characteristics Validation Table

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>OT Providers</b>					
Number of provider IDs	88,530	93,129	5.19	30% (+/-)	Yes
% billing provider on OT claim	100.0	100.0	0.00	N/A	N/A
% servicing provider on OT claim	97.1	96.6	-0.53	N/A	N/A
% NPI servicing provider on OT claim	0.0	0.0	-100.00	N/A	N/A
% also a provider on IP claim	1.2	1.1	-10.56	N/A	N/A
% also a provider on LT claim	0.8	0.8	3.36	N/A	N/A
% also a provider on RX claim	64.1	64.3	0.35	N/A	N/A
% provider IDs with NPI	79.8	85.3	6.97	30% (+/-)	Yes
% provider IDs linked to NPPES	79.4	85.3	7.53	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of OT claims	2,878.9	2,989.3	3.84	30% (+/-)	Yes
average number of beneficiaries with OT claims	377.4	388.1	2.83	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	70,623	79,467	12.52	30% (+/-)	Yes
% NPI source = MSIS	85.8	91.0	6.02	30% (+/-)	Yes
% NPI source = NPPES	14.2	9.0	-36.41	30% (+/-)	No
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	70,250	79,463	13.11	30% (+/-)	Yes
% linked via NPI	85.7	91.0	6.11	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	14.2	9.0	-36.75	30% (+/-)	No
% linked via Medicare UPIN	0.0	0.0	-28.57	30% (+/-)	Yes
% with name prefix	42.3	43.0	1.84	30% (+/-)	Yes
% with first name	81.9	83.4	1.80	30% (+/-)	Yes
% with middle name	49.6	50.6	2.16	30% (+/-)	Yes
% with last name	81.9	83.4	1.80	30% (+/-)	Yes
% with name suffix	1.2	1.3	0.96	30% (+/-)	Yes
% male	51.0	50.8	-0.42	30% (+/-)	Yes
% female	30.9	32.6	5.44	30% (+/-)	Yes
% with credential	78.2	79.5	1.73	30% (+/-)	Yes
% with business name	18.1	16.1	-10.85	30% (+/-)	Yes
% with address line 1	100.0	99.5	-0.49	30% (+/-)	Yes
% with city	100.0	99.5	-0.49	30% (+/-)	Yes
% with state	100.0	99.5	-0.49	30% (+/-)	Yes
% state = OT state code	90.8	89.3	-1.66	30% (+/-)	Yes
% with zip code	100.0	99.5	-0.49	30% (+/-)	Yes
% with primary taxonomy	97.8	97.7	-0.12	30% (+/-)	Yes
% with provider entity type = individual	81.9	83.4	1.80	30% (+/-)	Yes
% with provider entity type = organization	18.1	16.1	-10.85	30% (+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	68,736	77,658	12.98	30% (+/-)	Yes
% individual or group of individuals	85.2	87.1	2.20	30% (+/-)	Yes
% allopathic and osteopathic physicians	56.5	56.8	0.51	30% (+/-)	Yes

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

<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.

**2009-2010 MAX OT Billing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% behavioral health and social service providers	4.2	4.7	12.24	30% (+/-)	Yes
% chiropractic providers	0.1	0.1	51.16	30% (+/-)	Yes
% dental providers	6.0	6.1	0.46	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	63.16	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	-6.25	30% (+/-)	Yes
% eye and vision service providers	1.9	1.9	-0.05	30% (+/-)	Yes
% nursing service providers	2.9	2.9	-1.10	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	0.00	30% (+/-)	Yes
% other service providers	3.5	3.5	-0.62	30% (+/-)	Yes
% pharmacy service providers	0.3	0.3	-11.59	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	5.5	6.2	12.85	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.9	1.9	-0.16	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.7	1.8	9.99	30% (+/-)	Yes
% speech, language, and hearing service providers	0.2	0.3	23.73	30% (+/-)	Yes
% student health care	0.2	0.4	65.57	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	-21.74	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	14.8	12.9	-12.62	30% (+/-)	Yes
% agencies	2.9	2.1	-27.20	30% (+/-)	Yes
% ambulatory health care facilities	1.3	1.2	-14.09	30% (+/-)	Yes
% hospital units	0.1	0.1	-5.56	30% (+/-)	Yes
% hospitals	1.2	1.1	-11.02	30% (+/-)	Yes
% laboratories	0.1	0.1	1.45	30% (+/-)	Yes
% managed care organizations	0.1	0.1	-2.60	30% (+/-)	Yes
% nursing and custodial care facilities	0.7	0.7	-3.27	30% (+/-)	Yes
% residential treatment facilities	0.3	0.2	-20.55	30% (+/-)	Yes
% respite care facility	0.0	0.0	-17.65	30% (+/-)	Yes
% suppliers	7.0	6.5	-7.91	30% (+/-)	Yes
% transportation services	1.0	0.9	-10.09	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	57,549	66,265	15.15	30% (+/-)	Yes
% a sole proprietorship	29.5	30.1	2.19	30% (+/-)	Yes
% not a sole proprietorship	60.7	61.5	1.41	30% (+/-)	Yes
% not answered	9.8	8.3	-15.25	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	12,701	12,808	0.84	30% (+/-)	Yes
% organization is a subpart	9.4	9.9	5.91	30% (+/-)	Yes
% organization is not a subpart	64.8	68.7	6.06	30% (+/-)	Yes
% not answered	25.8	21.4	-17.34	N/A	N/A

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

<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.



# 2009-2010 MAX RX Billing Provider Characteristics Validation Table

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>RX Providers</b>					
Number of provider IDs	9,331	9,538	2.22	30% (+/-)	Yes
% billing provider on RX claim	50.3	50.0	-0.48	N/A	N/A
% prescribing provider on RX claim	3.3	1.2	-64.09	N/A	N/A
% NPI billing provider on RX claim	49.7	50.0	0.49	N/A	N/A
% also a provider on IP claim	0.6	0.6	-3.90	N/A	N/A
% also a provider on LT claim	0.4	0.3	-24.24	N/A	N/A
% also a provider on OT claim	96.2	96.9	0.77	N/A	N/A
% provider IDs with NPI	99.1	99.4	0.27	30% (+/-)	Yes
% provider IDs linked to NPES	98.1	99.4	1.24	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of RX claims	12,350.4	12,764.2	3.35	30% (+/-)	Yes
average number of beneficiaries with RX claims	1,099.9	1,111.3	1.03	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	9,245	9,476	2.50	30% (+/-)	Yes
% NPI source = MSIS	99.3	99.4	0.10	30% (+/-)	Yes
% NPI source = NPES	0.7	0.6	-15.05	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPES</b>					
Number of provider IDs linked to NPES	9,157	9,476	3.48	30% (+/-)	Yes
% linked via NPI	99.3	99.4	0.11	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.7	0.6	-15.81	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.8	1.1	34.22	30% (+/-)	Yes
% with first name	1.8	2.2	25.52	30% (+/-)	Yes
% with middle name	0.7	0.9	38.63	30% (+/-)	Yes
% with last name	1.8	2.2	25.52	30% (+/-)	Yes
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	1.1	1.3	24.30	30% (+/-)	Yes
% female	0.7	0.9	27.32	30% (+/-)	Yes
% with credential	1.6	2.0	27.98	30% (+/-)	Yes
% with business name	98.2	96.9	-1.34	30% (+/-)	Yes
% with address line 1	100.0	99.1	-0.86	30% (+/-)	Yes
% with city	100.0	99.1	-0.86	30% (+/-)	Yes
% with state	100.0	99.1	-0.86	30% (+/-)	Yes
% state = RX state code	97.9	97.0	-0.96	30% (+/-)	Yes
% with zip code	100.0	99.1	-0.86	30% (+/-)	Yes
% with primary taxonomy	97.7	97.4	-0.32	30% (+/-)	Yes
% with provider entity type = individual	1.8	2.2	25.52	30% (+/-)	Yes
% with provider entity type = organization	98.2	96.9	-1.34	30% (+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPES Primary Taxonomy</b>					
Number of provider IDs with NPES primary taxonomy	8,943	9,225	3.15	30% (+/-)	Yes
% individual or group of individuals	7.1	7.4	3.82	30% (+/-)	Yes
% allopathic and osteopathic physicians	1.5	2.0	31.59	30% (+/-)	Yes

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

<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.

**2009-2010 MAX RX Billing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% behavioral health and social service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% chiropractic providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dental providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% eye and vision service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.1	0.2	103.96	30% (+/-)	Yes
% pharmacy service providers	5.5	5.1	-5.85	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	92.9	92.6	-0.29	30% (+/-)	Yes
% agencies	0.2	0.2	7.55	30% (+/-)	Yes
% ambulatory health care facilities	0.2	0.1	-39.66	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.4	0.4	-8.03	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	-35.29	30% (+/-)	Yes
% nursing and custodial care facilities	0.0	0.0	0.00	30% (+/-)	Yes
% residential treatment facilities	0.0	0.0	-100.00	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	92.0	91.8	-0.18	30% (+/-)	Yes
% transportation services	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	164	213	29.88	30% (+/-)	Yes
% a sole proprietorship	45.1	43.7	-3.24	30% (+/-)	Yes
% not a sole proprietorship	48.8	50.7	3.94	30% (+/-)	Yes
% not answered	6.1	5.6	-7.61	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	8,993	9,182	2.10	30% (+/-)	Yes
% organization is a subpart	16.0	16.5	2.76	30% (+/-)	Yes
% organization is not a subpart	72.6	73.7	1.56	30% (+/-)	Yes
% not answered	11.4	9.8	-13.84	N/A	N/A

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

<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.

**2009-2010 MAX RX Prescribing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>RX Providers</b>					
Number of provider IDs	92,951	87,985	-5.34	30% (+/-)	Yes
% billing provider on RX claim	0.3	0.1	-61.28	N/A	N/A
% prescribing provider on RX claim	100.0	100.0	0.00	N/A	N/A
% NPI billing provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on IP claim	0.1	0.0	-40.00	N/A	N/A
% also a provider on LT claim	0.1	0.1	-11.67	N/A	N/A
% also a provider on OT claim	68.1	74.6	9.56	N/A	N/A
% provider IDs with NPI	57.9	67.7	16.88	30% (+/-)	Yes
% provider IDs linked to NPPES	57.6	67.7	17.47	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of RX claims	605.1	628.5	3.87	30% (+/-)	Yes
average number of beneficiaries with RX claims	89.7	96.2	7.35	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	53,826	59,552	10.64	30% (+/-)	Yes
% NPI source = MSIS	83.1	89.5	7.76	30% (+/-)	Yes
% NPI source = NPPES	16.9	10.5	-38.14	30% (+/-)	No
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	53,553	59,550	11.20	30% (+/-)	Yes
% linked via NPI	83.0	89.5	7.88	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	17.0	10.5	-38.43	30% (+/-)	No
% linked via Medicare UPIN	0.0	0.0	-66.67	30% (+/-)	Yes
% with name prefix	50.4	51.2	1.62	30% (+/-)	Yes
% with first name	97.6	98.6	1.04	30% (+/-)	Yes
% with middle name	59.2	60.3	1.79	30% (+/-)	Yes
% with last name	97.6	98.6	1.04	30% (+/-)	Yes
% with name suffix	1.5	1.5	0.34	30% (+/-)	Yes
% male	60.7	60.2	-0.84	30% (+/-)	Yes
% female	37.0	38.5	4.13	30% (+/-)	Yes
% with credential	93.9	94.7	0.95	30% (+/-)	Yes
% with business name	2.4	0.9	-62.40	30% (+/-)	Yes
% with address line 1	100.0	99.5	-0.47	30% (+/-)	Yes
% with city	100.0	99.5	-0.47	30% (+/-)	Yes
% with state	100.0	99.5	-0.47	30% (+/-)	Yes
% state = RX state code	92.5	91.9	-0.71	30% (+/-)	Yes
% with zip code	100.0	99.5	-0.47	30% (+/-)	Yes
% with primary taxonomy	98.0	97.9	-0.12	30% (+/-)	Yes
% with provider entity type = individual	97.6	98.6	1.04	30% (+/-)	Yes
% with provider entity type = organization	2.4	0.9	-62.40	30% (+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	52,467	58,272	11.06	30% (+/-)	Yes
% individual or group of individuals	98.2	99.3	1.11	30% (+/-)	Yes
% allopathic and osteopathic physicians	69.0	68.3	-1.02	30% (+/-)	Yes

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

<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.

**2009-2010 MAX RX Prescribing Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% behavioral health and social service providers	0.4	0.3	-9.39	30% (+/-)	Yes
% chiropractic providers	0.0	0.0	2.63	30% (+/-)	Yes
% dental providers	8.0	8.2	2.25	30% (+/-)	Yes
% dietary and nutritional service providers	0.1	0.1	16.98	30% (+/-)	Yes
% emergency medical service providers	0.1	0.1	0.00	30% (+/-)	Yes
% eye and vision service providers	1.6	1.7	10.44	30% (+/-)	Yes
% nursing service providers	0.2	0.2	11.50	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	50.00	30% (+/-)	Yes
% other service providers	4.1	3.9	-3.69	30% (+/-)	Yes
% pharmacy service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	11.7	13.1	12.60	30% (+/-)	Yes
% podiatric medicine and surgery service providers	2.4	2.3	-3.08	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	0.3	3.28	30% (+/-)	Yes
% speech, language, and hearing service providers	0.1	0.1	-21.55	30% (+/-)	Yes
% student health care	0.5	0.7	56.86	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	-50.00	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	1.8	0.7	-62.05	30% (+/-)	Yes
% agencies	0.3	0.1	-71.10	30% (+/-)	Yes
% ambulatory health care facilities	0.3	0.2	-47.28	30% (+/-)	Yes
% hospital units	0.0	0.0	-37.50	30% (+/-)	Yes
% hospitals	0.6	0.3	-47.99	30% (+/-)	Yes
% laboratories	0.0	0.0	-66.67	30% (+/-)	Yes
% managed care organizations	0.0	0.0	-56.25	30% (+/-)	Yes
% nursing and custodial care facilities	0.0	0.0	-56.52	30% (+/-)	Yes
% residential treatment facilities	0.1	0.0	-59.65	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.3	0.0	-97.33	30% (+/-)	Yes
% transportation services	0.0	0.0	-80.00	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	52,281	58,741	12.36	30% (+/-)	Yes
% a sole proprietorship	27.8	28.7	3.15	30% (+/-)	Yes
% not a sole proprietorship	62.4	63.1	1.07	30% (+/-)	Yes
% not answered	9.8	8.3	-15.71	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	1,272	532	-58.18	30% (+/-)	No
% organization is a subpart	6.1	4.1	-31.69	30% (+/-)	Yes
% organization is not a subpart	65.6	64.1	-2.24	30% (+/-)	Yes
% not answered	28.4	31.8	11.93	N/A	N/A

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

<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.

**2009-2010 MAX All Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
<b>All Providers</b>					
Number of provider IDs	311,362	298,536	-4.12	30%(+/-)	Yes
% billing provider on IP claim	0.4	0.4	-6.94	N/A	N/A
% NPI billing provider on IP claim	0.5	0.4	-13.74	N/A	N/A
% billing provider on LT claim	0.6	0.6	-2.09	N/A	N/A
% NPI billing provider on LT claim	0.5	0.6	3.92	N/A	N/A
% billing provider on OT claim	28.4	31.2	9.71	N/A	N/A
% servicing provider on OT claim	47.5	43.5	-8.34	N/A	N/A
% NPI servicing provider on OT claim	41.2	47.1	14.23	N/A	N/A
% billing provider on RX claim	1.5	1.6	6.11	N/A	N/A
% prescribing provider on RX claim	29.9	29.5	-1.28	N/A	N/A
% NPI billing provider on RX claim	1.5	1.6	7.11	N/A	N/A
% billing provider	28.9	31.6	9.37	N/A	N/A
% NPI billing provider	2.4	2.5	4.07	N/A	N/A
% servicing provider	47.5	43.5	-8.34	N/A	N/A
% NPI servicing provider	41.2	47.1	14.23	N/A	N/A
% prescribing provider	29.9	29.5	-1.28	N/A	N/A
% provider IDs with NPI	80.5	85.8	6.59	30%(+/-)	Yes
% provider IDs linked to NPPES	79.7	85.6	7.40	30%(+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of claims	1,953.7	2,229.0	14.09	30%(+/-)	Yes
average number of beneficiaries with claims	241.1	271.8	12.75	30%(+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	250,544	256,048	2.20	30%(+/-)	Yes
% NPI source = MSIS	95.2	96.6	1.41	30%(+/-)	Yes
% NPI source = NPPES	4.8	3.4	-28.15	30%(+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	248,201	255,588	2.98	30%(+/-)	Yes
% linked via NPI	95.2	96.6	1.45	30%(+/-)	Yes
% linked via Medicaid legacy provider ID	4.8	3.4	-28.47	30%(+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-70.83	30%(+/-)	Yes
% with name prefix	42.2	42.7	1.07	30%(+/-)	Yes
% with first name	83.4	85.1	2.15	30%(+/-)	Yes
% with middle name	50.4	51.5	2.34	30%(+/-)	Yes
% with last name	83.4	85.1	2.15	30%(+/-)	Yes
% with name suffix	1.3	1.2	-1.27	30%(+/-)	Yes
% male	47.4	46.9	-1.12	30%(+/-)	Yes
% female	35.9	38.3	6.46	30%(+/-)	Yes
% with credential	78.4	79.8	1.73	30%(+/-)	Yes
% with business name	16.6	14.3	-14.11	30%(+/-)	Yes
% with address line 1	100.0	99.4	-0.56	30%(+/-)	Yes
% with city	100.0	99.4	-0.56	30%(+/-)	Yes
% with state	100.0	99.4	-0.56	30%(+/-)	Yes
% state = claim file state code	85.0	82.1	-3.42	30%(+/-)	Yes
% with zip code	100.0	99.4	-0.56	30%(+/-)	Yes

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

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**2009-2010 MAX All Provider Characteristics Validation Table**

State: NY

Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% with primary taxonomy	98.0	97.7	-0.22	30%(+/-)	Yes
% with provider entity type = individual	83.4	85.1	2.15	30%(+/-)	Yes
% with provider entity type = organization	16.6	14.3	-14.11	30%(+/-)	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	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	243,155	249,832	2.75	30%(+/-)	Yes
% individual or group of individuals	86.8	89.4	2.98	30%(+/-)	Yes
% allopathic and osteopathic physicians	52.6	52.0	-1.16	30%(+/-)	Yes
% behavioral health and social service providers	8.3	8.8	5.57	30%(+/-)	Yes
% chiropractic providers	0.2	0.2	21.88	30%(+/-)	Yes
% dental providers	4.6	4.7	3.89	30%(+/-)	Yes
% dietary and nutritional service providers	0.2	0.3	19.66	30%(+/-)	Yes
% emergency medical service providers	0.1	0.1	-10.77	30%(+/-)	Yes
% eye and vision service providers	1.6	1.7	4.39	30%(+/-)	Yes
% nursing service providers	3.3	4.5	38.62	30%(+/-)	Yes
% nursing service-related providers	0.0	0.0	25.00	30%(+/-)	Yes
% other service providers	3.6	3.3	-8.25	30%(+/-)	Yes
% pharmacy service providers	0.2	0.2	-2.35	30%(+/-)	Yes
% physician assistants and advanced practice nursing providers	7.3	8.2	12.59	30%(+/-)	Yes
% podiatric medicine and surgery service providers	1.5	1.4	-2.25	30%(+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	2.3	2.6	11.67	30%(+/-)	Yes
% speech, language, and hearing service providers	0.7	0.7	14.55	30%(+/-)	Yes
% student health care	0.4	0.6	45.32	30%(+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.00	30%(+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30%(+/-)	N/A
% nonindividuals	13.2	10.6	-19.69	30%(+/-)	Yes
% agencies	2.5	1.5	-40.96	30%(+/-)	Yes
% ambulatory health care facilities	1.2	1.0	-14.16	30%(+/-)	Yes
% hospital units	0.2	0.1	-13.25	30%(+/-)	Yes
% hospitals	2.3	1.4	-37.45	30%(+/-)	Yes
% laboratories	0.2	0.2	13.89	30%(+/-)	Yes
% managed care organizations	0.1	0.1	-7.94	30%(+/-)	Yes
% nursing and custodial care facilities	1.1	1.0	-10.40	30%(+/-)	Yes
% residential treatment facilities	0.3	0.2	-19.92	30%(+/-)	Yes
% respite care facility	0.0	0.0	14.29	30%(+/-)	Yes
% suppliers	4.2	4.3	0.90	30%(+/-)	Yes
% transportation services	1.1	0.7	-35.53	30%(+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Individual</b>					
Number of provider IDs with entity type = individual	206,884	217,619	5.19	30%(+/-)	Yes
% a sole proprietorship	29.3	29.8	1.88	30%(+/-)	Yes
% not a sole proprietorship	61.7	62.5	1.30	30%(+/-)	Yes
% not answered	9.0	7.7	-14.94	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	41,317	36,543	-11.55	30%(+/-)	Yes
% organization is a subpart	9.1	9.5	5.22	30%(+/-)	Yes
% organization is not a subpart	63.9	68.3	6.79	30%(+/-)	Yes
% not answered	27.0	22.2	-17.83	N/A	N/A

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

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