

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

**State-Specific Validation Tables,  
2010**

**Florida**

May 31, 2013

Deo Bencio  
Mei-ling Mason



**MATHEMATICA**  
Policy Research

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## ACRONYMS

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

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## INTRODUCTION

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

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

Produced: 03/13/2013

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	3,396	3,140	-7.54	30% (+/-)	Yes
% billing provider on IP claim	52.4	52.8	0.68	N/A	N/A
% NPI billing provider on IP claim	47.6	47.2	-0.75	N/A	N/A
% also a provider on LT claim	34.9	16.7	-52.08	N/A	N/A
% also a provider on OT claim	94.4	92.9	-1.56	N/A	N/A
% also a provider on RX claim	3.7	3.2	-13.47	N/A	N/A
% provider IDs with NPI	97.1	96.1	-1.06	30% (+/-)	Yes
% provider IDs linked to NPPES	96.9	96.0	-0.95	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	-100.00	N/A	N/A
average number of IP claims	359.3	384.7	7.07	30% (+/-)	Yes
average number of beneficiaries with IP claims	266.6	286.5	7.46	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	3,299	3,018	-8.52	30% (+/-)	Yes
% NPI source = MSIS	99.7	99.6	-0.07	30% (+/-)	Yes
% NPI source = NPPES	0.3	0.4	31.35	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	-100.00	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	3,291	3,014	-8.42	30% (+/-)	Yes
% linked via NPI	99.7	99.6	-0.09	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.3	0.4	30.92	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.2	0.1	-58.85	30% (+/-)	Yes
% with first name	0.6	0.6	-7.24	30% (+/-)	Yes
% with middle name	0.6	0.6	-7.24	30% (+/-)	Yes
% with last name	0.6	0.6	-7.24	30% (+/-)	Yes
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.2	0.3	36.63	30% (+/-)	Yes
% female	0.4	0.2	-36.44	30% (+/-)	Yes
% with credential	0.6	0.6	-7.24	30% (+/-)	Yes
% with business name	99.4	99.4	-0.02	30% (+/-)	Yes
% with address line 1	100.0	99.9	-0.07	30% (+/-)	Yes
% with city	100.0	99.9	-0.07	30% (+/-)	Yes
% with state	100.0	99.9	-0.07	30% (+/-)	Yes
% state = IP state code	56.3	40.3	-28.44	30% (+/-)	Yes
% with zip code	100.0	99.9	-0.07	30% (+/-)	Yes
% with primary taxonomy	99.6	99.3	-0.27	30% (+/-)	Yes
% with provider entity type = individual	0.6	0.6	-7.24	30% (+/-)	Yes
% with provider entity type = organization	99.4	99.4	-0.02	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	1	0	-100.00	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	3,286	2,994	-8.89	30% (+/-)	Yes
% individual or group of individuals	2.4	1.7	-30.53	30% (+/-)	Yes
% allopathic and osteopathic physicians	1.4	1.1	-18.86	30% (+/-)	Yes
% behavioral health and social service providers	0.4	0.2	-53.05	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: FL

Produced: 03/13/2013

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	0.1	123.33	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% eye and vision service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% nursing service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% nursing service-related providers	0.1	0.0	-100.00	30% (+/-)	Yes
% other service providers	0.0	0.1	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.1	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.1	0.1	9.84	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.1	0.0	-100.00	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.2	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	97.6	98.3	0.75	30% (+/-)	Yes
% agencies	0.8	0.7	-15.55	30% (+/-)	Yes
% ambulatory health care facilities	1.9	1.9	0.90	30% (+/-)	Yes
% hospital units	1.0	1.4	35.56	30% (+/-)	Yes
% hospitals	57.0	75.9	33.15	30% (+/-)	No
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.2	0.2	-17.70	30% (+/-)	Yes
% nursing and custodial care facilities	35.7	17.4	-51.20	30% (+/-)	No
% residential treatment facilities	0.5	0.6	31.80	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.1	0.1	-45.08	30% (+/-)	Yes
% transportation services	0.4	0.2	-45.21	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	20	17	-15.00	30% (+/-)	Yes
% a sole proprietorship	40.0	35.3	-11.77	30% (+/-)	Yes
% not a sole proprietorship	40.0	64.7	61.77	30% (+/-)	No
% not answered	20.0	0.0	-100.00	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	3,271	2,995	-8.44	30% (+/-)	Yes
% organization is a subpart	10.4	9.4	-8.83	30% (+/-)	Yes
% organization is not a subpart	76.5	81.2	6.16	30% (+/-)	Yes
% not answered	13.1	9.3	-28.88	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: FL

Produced: 03/13/2013

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	1,534	1,543	0.59	30% (+/-)	Yes
% billing provider on LT claim	50.3	50.2	-0.33	N/A	N/A
% NPI billing provider on LT claim	49.7	49.8	0.33	N/A	N/A
% also a provider on IP claim	77.2	34.0	-55.95	N/A	N/A
% also a provider on OT claim	84.4	84.8	0.57	N/A	N/A
% also a provider on RX claim	0.2	0.1	-33.67	N/A	N/A
% provider IDs with NPI	99.9	99.9	0.00	30% (+/-)	Yes
% provider IDs linked to NPPES	99.5	99.5	0.00	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.1	0.1	0.00	N/A	N/A
average number of LT claims	852.4	901.3	5.74	30% (+/-)	Yes
average number of beneficiaries with LT claims	98.7	98.4	-0.36	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	1,532	1,541	0.59	30% (+/-)	Yes
% NPI source = MSIS	99.7	99.5	-0.13	30% (+/-)	Yes
% NPI source = NPPES	0.3	0.4	49.04	30% (+/-)	Yes
% NPI source = state cross-reference file	0.1	0.1	0.00	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	1,526	1,535	0.59	30% (+/-)	Yes
% linked via NPI	99.7	99.6	-0.13	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.3	0.4	49.24	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.0	0.0	Div by 0	30% (+/-)	N/A
% with first name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with middle name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with last name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.0	0.0	Div by 0	30% (+/-)	N/A
% female	0.0	0.0	Div by 0	30% (+/-)	N/A
% with credential	0.0	0.0	Div by 0	30% (+/-)	N/A
% with business name	100.0	100.0	0.00	30% (+/-)	Yes
% with address line 1	100.0	100.0	0.00	30% (+/-)	Yes
% with city	100.0	100.0	0.00	30% (+/-)	Yes
% with state	100.0	100.0	0.00	30% (+/-)	Yes
% state = LT state code	99.5	99.6	0.13	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	99.6	99.1	-0.52	30% (+/-)	Yes
% with provider entity type = individual	0.0	0.0	Div by 0	30% (+/-)	N/A
% with provider entity type = organization	100.0	100.0	0.00	30% (+/-)	Yes
<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	2	2	0.00	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	1,525	1,521	-0.26	30% (+/-)	Yes
% individual or group of individuals	0.5	0.0	-100.00	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.3	0.0	-100.00	30% (+/-)	Yes
% behavioral health and social service providers	0.0	0.0	Div by 0	30% (+/-)	N/A

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 LT Billing Provider Characteristics Validation Table**

State: FL

Produced: 03/13/2013

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	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	0.3	0.0	-100.00	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	0.0	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	99.5	100.0	0.53	30% (+/-)	Yes
% agencies	0.3	0.4	50.38	30% (+/-)	Yes
% ambulatory health care facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospital units	0.3	0.3	0.38	30% (+/-)	Yes
% hospitals	0.4	0.7	67.18	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	95.0	95.3	0.33	30% (+/-)	Yes
% residential treatment facilities	3.5	3.4	-3.51	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.1	0.0	-100.00	30% (+/-)	Yes
% transportation services	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	0	0	Div by 0	30% (+/-)	N/A
% a sole proprietorship	0.0	0.0	Div by 0	30% (+/-)	N/A
% not a sole proprietorship	0.0	0.0	Div by 0	30% (+/-)	N/A
% not answered	0.0	0.0	Div by 0	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	1,526	1,535	0.59	30% (+/-)	Yes
% organization is a subpart	14.3	15.8	10.35	30% (+/-)	Yes
% organization is not a subpart	66.2	68.3	3.25	30% (+/-)	Yes
% not answered	19.5	15.9	-18.60	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: FL

Produced: 03/13/2013

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	129,546	138,141	6.63	30% (+/-)	Yes
% billing provider on OT claim	38.6	38.1	-1.29	N/A	N/A
% servicing provider on OT claim	54.9	54.5	-0.82	N/A	N/A
% NPI servicing provider on OT claim	45.1	45.5	0.99	N/A	N/A
% also a provider on IP claim	2.4	2.1	-15.64	N/A	N/A
% also a provider on LT claim	1.0	0.9	-6.56	N/A	N/A
% also a provider on RX claim	25.3	25.7	1.65	N/A	N/A
% provider IDs with NPI	92.2	93.0	0.97	30% (+/-)	Yes
% provider IDs linked to NPPES	91.7	92.8	1.27	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.6	0.4	-29.33	N/A	N/A
average number of OT claims	1,678.0	1,714.3	2.16	30% (+/-)	Yes
average number of beneficiaries with OT claims	256.2	263.2	2.77	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	119,381	128,537	7.67	30% (+/-)	Yes
% NPI source = MSIS	98.6	98.6	0.06	30% (+/-)	Yes
% NPI source = NPPES	1.4	1.3	-4.34	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	2.94	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	118,771	128,262	7.99	30% (+/-)	Yes
% linked via NPI	98.6	98.7	0.07	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	1.4	1.3	-4.61	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	0.00	30% (+/-)	Yes
% with name prefix	38.1	38.1	0.20	30% (+/-)	Yes
% with first name	78.0	78.3	0.40	30% (+/-)	Yes
% with middle name	56.0	56.2	0.46	30% (+/-)	Yes
% with last name	78.0	78.3	0.40	30% (+/-)	Yes
% with name suffix	2.2	2.2	-0.78	30% (+/-)	Yes
% male	48.3	47.3	-2.00	30% (+/-)	Yes
% female	29.8	31.0	4.29	30% (+/-)	Yes
% with credential	74.4	74.6	0.26	30% (+/-)	Yes
% with business name	22.0	21.1	-4.23	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.62	30% (+/-)	Yes
% with city	100.0	99.4	-0.62	30% (+/-)	Yes
% with state	100.0	99.4	-0.62	30% (+/-)	Yes
% state = OT state code	92.7	91.4	-1.37	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.62	30% (+/-)	Yes
% with primary taxonomy	99.5	98.3	-1.14	30% (+/-)	Yes
% with provider entity type = individual	78.0	78.3	0.40	30% (+/-)	Yes
% with provider entity type = organization	22.0	21.1	-4.23	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	755	569	-24.64	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	118,547	126,112	6.38	30% (+/-)	Yes
% individual or group of individuals	83.5	84.0	0.52	30% (+/-)	Yes
% allopathic and osteopathic physicians	52.2	52.4	0.37	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: FL

Produced: 03/13/2013

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	3.1	3.2	3.79	30% (+/-)	Yes
% chiropractic providers	1.4	1.4	-5.52	30% (+/-)	Yes
% dental providers	1.8	1.8	4.14	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-15.38	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	13.79	30% (+/-)	Yes
% eye and vision service providers	2.0	2.0	-0.40	30% (+/-)	Yes
% nursing service providers	0.7	0.7	-1.36	30% (+/-)	Yes
% nursing service-related providers	0.1	0.1	7.96	30% (+/-)	Yes
% other service providers	3.5	4.2	19.84	30% (+/-)	Yes
% pharmacy service providers	0.1	0.0	-15.69	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	9.5	10.6	11.53	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.3	1.3	0.23	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	3.0	3.0	1.66	30% (+/-)	Yes
% speech, language, and hearing service providers	2.8	3.1	9.38	30% (+/-)	Yes
% student health care	0.2	0.1	-29.45	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	-20.00	30% (+/-)	Yes
% group of individuals with multi- or single specialty	1.9	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	16.5	16.0	-2.62	30% (+/-)	Yes
% agencies	2.1	2.1	-0.14	30% (+/-)	Yes
% ambulatory health care facilities	2.2	2.0	-4.74	30% (+/-)	Yes
% hospital units	0.0	0.0	-26.47	30% (+/-)	Yes
% hospitals	2.6	2.6	2.56	30% (+/-)	Yes
% laboratories	0.3	0.4	5.74	30% (+/-)	Yes
% managed care organizations	0.1	0.1	-25.00	30% (+/-)	Yes
% nursing and custodial care facilities	2.0	2.1	3.25	30% (+/-)	Yes
% residential treatment facilities	0.1	0.1	-6.15	30% (+/-)	Yes
% respite care facility	0.0	0.0	-16.67	30% (+/-)	Yes
% suppliers	6.7	6.2	-6.57	30% (+/-)	Yes
% transportation services	0.4	0.4	0.81	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	92,656	100,460	8.42	30% (+/-)	Yes
% a sole proprietorship	24.0	25.0	4.00	30% (+/-)	Yes
% not a sole proprietorship	66.1	67.9	2.74	30% (+/-)	Yes
% not answered	9.8	7.1	-28.19	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	26,115	27,011	3.43	30% (+/-)	Yes
% organization is a subpart	13.2	13.2	-0.66	30% (+/-)	Yes
% organization is not a subpart	70.0	73.9	5.62	30% (+/-)	Yes
% not answered	16.8	12.9	-22.92	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: FL

Produced: 03/13/2013

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	56,184	60,311	7.35	30% (+/-)	Yes
% billing provider on OT claim	100.0	100.0	0.00	N/A	N/A
% servicing provider on OT claim	89.0	87.3	-1.95	N/A	N/A
% NPI servicing provider on OT claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on IP claim	3.0	2.5	-15.07	N/A	N/A
% also a provider on LT claim	1.2	1.1	-6.71	N/A	N/A
% also a provider on RX claim	0.1	0.1	-43.92	N/A	N/A
% provider IDs with NPI	78.8	79.3	0.70	30% (+/-)	Yes
% provider IDs linked to NPPES	78.4	79.2	1.01	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	1.1	0.8	-27.51	N/A	N/A
average number of OT claims	2,889.1	3,115.5	7.83	30% (+/-)	Yes
average number of beneficiaries with OT claims	407.3	424.0	4.10	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	44,248	47,830	8.10	30% (+/-)	Yes
% NPI source = MSIS	91.9	91.3	-0.67	30% (+/-)	Yes
% NPI source = NPPES	7.0	7.7	9.76	30% (+/-)	Yes
% NPI source = state cross-reference file	1.1	1.1	-5.99	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	44,063	47,778	8.43	30% (+/-)	Yes
% linked via NPI	93.0	92.3	-0.71	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	7.0	7.7	9.33	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	300.00	30% (+/-)	Yes
% with name prefix	32.9	33.0	0.17	30% (+/-)	Yes
% with first name	64.8	65.4	0.97	30% (+/-)	Yes
% with middle name	46.2	46.8	1.12	30% (+/-)	Yes
% with last name	64.8	65.4	0.97	30% (+/-)	Yes
% with name suffix	1.9	1.9	0.37	30% (+/-)	Yes
% male	45.2	44.6	-1.39	30% (+/-)	Yes
% female	19.5	20.8	6.43	30% (+/-)	Yes
% with credential	62.5	63.1	1.00	30% (+/-)	Yes
% with business name	35.2	34.0	-3.39	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	93.4	92.2	-1.27	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.57	30% (+/-)	Yes
% with primary taxonomy	99.5	98.4	-1.12	30% (+/-)	Yes
% with provider entity type = individual	64.8	65.4	0.97	30% (+/-)	Yes
% with provider entity type = organization	35.2	34.0	-3.39	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	627	488	-22.17	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	43,952	46,992	6.92	30% (+/-)	Yes
% individual or group of individuals	75.3	75.9	0.76	30% (+/-)	Yes
% allopathic and osteopathic physicians	53.1	54.4	2.52	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: FL

Produced: 03/13/2013

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	1.5	1.7	11.35	30% (+/-)	Yes
% chiropractic providers	1.7	1.6	-5.25	30% (+/-)	Yes
% dental providers	1.3	1.4	2.04	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-75.00	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	-6.25	30% (+/-)	Yes
% eye and vision service providers	2.4	2.3	-3.94	30% (+/-)	Yes
% nursing service providers	0.2	0.2	6.73	30% (+/-)	Yes
% nursing service-related providers	0.2	0.2	-5.50	30% (+/-)	Yes
% other service providers	3.9	4.5	15.63	30% (+/-)	Yes
% pharmacy service providers	0.1	0.1	-15.49	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	4.0	4.8	20.98	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.4	1.4	-3.50	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.5	1.6	6.35	30% (+/-)	Yes
% speech, language, and hearing service providers	1.6	1.6	3.33	30% (+/-)	Yes
% student health care	0.1	0.1	-37.69	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.1	0.0	-29.82	30% (+/-)	Yes
% group of individuals with multi- or single specialty	2.2	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	24.7	24.1	-2.32	30% (+/-)	Yes
% agencies	3.8	3.9	0.57	30% (+/-)	Yes
% ambulatory health care facilities	3.5	3.4	-2.05	30% (+/-)	Yes
% hospital units	0.1	0.0	-33.82	30% (+/-)	Yes
% hospitals	3.6	3.6	0.28	30% (+/-)	Yes
% laboratories	0.4	0.5	4.91	30% (+/-)	Yes
% managed care organizations	0.2	0.2	-11.69	30% (+/-)	Yes
% nursing and custodial care facilities	3.0	3.2	5.42	30% (+/-)	Yes
% residential treatment facilities	0.3	0.3	-8.78	30% (+/-)	Yes
% respite care facility	0.0	0.0	4.88	30% (+/-)	Yes
% suppliers	9.1	8.5	-7.15	30% (+/-)	Yes
% transportation services	0.5	0.5	1.51	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	28,534	31,240	9.48	30% (+/-)	Yes
% a sole proprietorship	27.0	27.4	1.32	30% (+/-)	Yes
% not a sole proprietorship	63.2	65.7	3.96	30% (+/-)	Yes
% not answered	9.8	7.0	-29.05	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	15,529	16,267	4.75	30% (+/-)	Yes
% organization is a subpart	13.2	12.8	-2.48	30% (+/-)	Yes
% organization is not a subpart	72.0	75.9	5.35	30% (+/-)	Yes
% not answered	14.8	11.3	-23.79	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: FL

Produced: 03/13/2013

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	8,044	8,345	3.74	30% (+/-)	Yes
% billing provider on RX claim	50.2	50.2	0.00	N/A	N/A
% prescribing provider on RX claim	23.2	15.5	-33.12	N/A	N/A
% NPI billing provider on RX claim	49.8	49.8	0.00	N/A	N/A
% also a provider on IP claim	0.2	0.2	-9.00	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.00	N/A	N/A
% also a provider on OT claim	39.2	37.9	-3.36	N/A	N/A
% provider IDs with NPI	99.8	99.8	-0.07	30% (+/-)	Yes
% provider IDs linked to NPPES	98.8	99.7	0.97	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	5,895.0	6,304.0	6.94	30% (+/-)	Yes
average number of beneficiaries with RX claims	638.9	659.8	3.27	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	8,031	8,326	3.67	30% (+/-)	Yes
% NPI source = MSIS	100.0	100.0	-0.02	30% (+/-)	Yes
% NPI source = NPPES	0.0	0.0	200.00	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	7,945	8,322	4.75	30% (+/-)	Yes
% linked via NPI	100.0	100.0	-0.02	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	176.92	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.4	0.3	-27.10	30% (+/-)	Yes
% with first name	0.6	0.4	-30.51	30% (+/-)	Yes
% with middle name	0.5	0.3	-36.42	30% (+/-)	Yes
% with last name	0.6	0.4	-30.51	30% (+/-)	Yes
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.5	0.4	-20.53	30% (+/-)	Yes
% female	0.1	0.0	-76.24	30% (+/-)	Yes
% with credential	0.5	0.3	-36.48	30% (+/-)	Yes
% with business name	99.4	98.2	-1.29	30% (+/-)	Yes
% with address line 1	100.0	98.5	-1.45	30% (+/-)	Yes
% with city	100.0	98.5	-1.45	30% (+/-)	Yes
% with state	100.0	98.5	-1.45	30% (+/-)	Yes
% state = RX state code	99.3	97.8	-1.46	30% (+/-)	Yes
% with zip code	100.0	98.5	-1.45	30% (+/-)	Yes
% with primary taxonomy	99.7	97.7	-2.01	30% (+/-)	Yes
% with provider entity type = individual	0.6	0.4	-30.51	30% (+/-)	Yes
% with provider entity type = organization	99.4	98.2	-1.29	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	7,999	8,130	1.64	30% (+/-)	Yes
% individual or group of individuals	2.8	1.7	-39.56	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.4	0.3	-19.06	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: FL

Produced: 03/13/2013

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	92.31	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	-100.00	30% (+/-)	Yes
% nursing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	2.3	1.3	-41.85	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	0.1	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	97.2	98.3	1.13	30% (+/-)	Yes
% agencies	0.2	0.2	24.47	30% (+/-)	Yes
% ambulatory health care facilities	0.3	0.2	-10.55	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.0	0.0	0.00	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.2	0.1	-24.54	30% (+/-)	Yes
% nursing and custodial care facilities	0.0	0.0	92.31	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	96.5	97.7	1.19	30% (+/-)	Yes
% transportation services	0.0	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	44	32	-27.27	30% (+/-)	Yes
% a sole proprietorship	31.8	37.5	17.86	30% (+/-)	Yes
% not a sole proprietorship	68.2	62.5	-8.33	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	7,901	8,169	3.39	30% (+/-)	Yes
% organization is a subpart	28.9	28.5	-1.29	30% (+/-)	Yes
% organization is not a subpart	66.6	67.6	1.61	30% (+/-)	Yes
% not answered	4.6	3.9	-15.36	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: FL

Produced: 03/13/2013

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	134,198	125,474	-6.50	30% (+/-)	Yes
% billing provider on RX claim	0.0	0.0	0.00	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	1.4	1.0	-25.79	N/A	N/A
% also a provider on IP claim	0.1	0.1	-15.48	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.00	N/A	N/A
% also a provider on OT claim	23.3	26.7	14.58	N/A	N/A
% provider IDs with NPI	23.5	26.8	14.29	30% (+/-)	Yes
% provider IDs linked to NPPES	23.4	26.8	14.71	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	-100.00	N/A	N/A
average number of RX claims	285.4	298.1	4.45	30% (+/-)	Yes
average number of beneficiaries with RX claims	46.4	49.9	7.56	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	31,517	33,679	6.86	30% (+/-)	Yes
% NPI source = MSIS	99.8	99.9	0.05	30% (+/-)	Yes
% NPI source = NPPES	0.2	0.1	-30.25	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	31,401	33,677	7.25	30% (+/-)	Yes
% linked via NPI	99.8	99.9	0.05	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.1	0.1	3.92	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.1	-46.85	30% (+/-)	Yes
% with name prefix	46.2	47.3	2.50	30% (+/-)	Yes
% with first name	92.0	94.0	2.14	30% (+/-)	Yes
% with middle name	66.1	67.7	2.46	30% (+/-)	Yes
% with last name	92.0	94.0	2.14	30% (+/-)	Yes
% with name suffix	2.9	3.0	3.86	30% (+/-)	Yes
% male	64.9	65.0	0.09	30% (+/-)	Yes
% female	27.1	29.0	7.04	30% (+/-)	Yes
% with credential	90.5	92.5	2.22	30% (+/-)	Yes
% with business name	8.0	5.4	-32.83	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.65	30% (+/-)	Yes
% with city	100.0	99.4	-0.65	30% (+/-)	Yes
% with state	100.0	99.4	-0.65	30% (+/-)	Yes
% state = RX state code	95.6	94.5	-1.12	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.65	30% (+/-)	Yes
% with primary taxonomy	99.5	98.5	-1.03	30% (+/-)	Yes
% with provider entity type = individual	92.0	94.0	2.14	30% (+/-)	Yes
% with provider entity type = organization	8.0	5.4	-32.83	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	6	0	-100.00	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	31,323	33,176	5.92	30% (+/-)	Yes
% individual or group of individuals	93.2	95.7	2.70	30% (+/-)	Yes
% allopathic and osteopathic physicians	72.4	74.2	2.52	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 RX Prescribing Provider Characteristics Validation Table**

State: FL

Produced: 03/13/2013

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	0.3	0.2	-38.43	30% (+/-)	Yes
% chiropractic providers	0.1	0.1	-30.23	30% (+/-)	Yes
% dental providers	2.7	2.9	7.93	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	26.92	30% (+/-)	Yes
% eye and vision service providers	2.1	2.1	3.22	30% (+/-)	Yes
% nursing service providers	0.2	0.2	12.42	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	4.0	4.9	21.57	30% (+/-)	Yes
% pharmacy service providers	0.1	0.0	-41.56	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	7.3	9.2	24.81	30% (+/-)	Yes
% podiatric medicine and surgery service providers	1.6	1.6	1.56	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.1	-36.72	30% (+/-)	Yes
% speech, language, and hearing service providers	0.1	0.1	-25.84	30% (+/-)	Yes
% student health care	0.2	0.1	-27.91	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	20.00	30% (+/-)	Yes
% group of individuals with multi- or single specialty	2.1	0.0	-100.00	30% (+/-)	Yes
% nonindividuals	6.8	4.3	-36.86	30% (+/-)	Yes
% agencies	0.1	0.1	-54.46	30% (+/-)	Yes
% ambulatory health care facilities	0.4	0.3	-42.63	30% (+/-)	Yes
% hospital units	0.0	0.0	-100.00	30% (+/-)	Yes
% hospitals	0.3	0.2	-29.59	30% (+/-)	Yes
% laboratories	0.0	0.0	-100.00	30% (+/-)	Yes
% managed care organizations	0.1	0.0	-23.53	30% (+/-)	Yes
% nursing and custodial care facilities	0.0	0.0	-76.92	30% (+/-)	Yes
% residential treatment facilities	0.0	0.0	-100.00	30% (+/-)	Yes
% respite care facility	0.0	0.0	-100.00	30% (+/-)	Yes
% suppliers	5.8	3.7	-36.03	30% (+/-)	Yes
% transportation services	0.0	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	28,898	31,655	9.54	30% (+/-)	Yes
% a sole proprietorship	22.5	23.3	3.61	30% (+/-)	Yes
% not a sole proprietorship	67.9	70.3	3.44	30% (+/-)	Yes
% not answered	9.6	6.4	-32.92	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	2,503	1,803	-27.97	30% (+/-)	Yes
% organization is a subpart	19.6	11.2	-42.77	30% (+/-)	No
% organization is not a subpart	72.7	82.8	13.80	30% (+/-)	Yes
% not answered	7.7	6.0	-21.61	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: FL

Produced: 03/13/2013

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	243,730	243,260	-0.19	30%(+/-)	Yes
% billing provider on IP claim	0.7	0.7	-6.70	N/A	N/A
% NPI billing provider on IP claim	0.7	0.6	-8.14	N/A	N/A
% billing provider on LT claim	0.3	0.3	0.32	N/A	N/A
% NPI billing provider on LT claim	0.3	0.3	0.96	N/A	N/A
% billing provider on OT claim	23.1	24.8	7.55	N/A	N/A
% servicing provider on OT claim	29.2	30.9	5.97	N/A	N/A
% NPI servicing provider on OT claim	24.0	25.8	7.90	N/A	N/A
% billing provider on RX claim	1.7	1.7	3.93	N/A	N/A
% prescribing provider on RX claim	55.1	51.6	-6.32	N/A	N/A
% NPI billing provider on RX claim	1.6	1.7	3.95	N/A	N/A
% billing provider	24.8	26.6	7.38	N/A	N/A
% NPI billing provider	2.4	2.5	6.32	N/A	N/A
% servicing provider	29.2	30.9	5.97	N/A	N/A
% NPI servicing provider	24.0	25.8	7.90	N/A	N/A
% prescribing provider	55.1	51.6	-6.32	N/A	N/A
% provider IDs with NPI	52.1	56.3	8.12	30%(+/-)	Yes
% provider IDs linked to NPPES	51.8	56.2	8.47	30%(+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.3	0.2	-26.05	N/A	N/A
average number of claims	1,349.7	1,523.6	12.89	30%(+/-)	Yes
average number of beneficiaries with claims	195.3	215.6	10.38	30%(+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	126,986	137,028	7.91	30%(+/-)	Yes
% NPI source = MSIS	96.9	96.7	-0.19	30%(+/-)	Yes
% NPI source = NPPES	2.8	3.0	7.37	30%(+/-)	Yes
% NPI source = state cross-reference file	0.4	0.4	-5.63	N/A	N/A
<b>Provider IDs Linked to NPPES</b>					
Number of provider IDs linked to NPPES	126,308	136,745	8.26	30%(+/-)	Yes
% linked via NPI	97.2	97.0	-0.20	30%(+/-)	Yes
% linked via Medicaid legacy provider ID	2.7	2.9	7.48	30%(+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-37.93	30%(+/-)	Yes
% with name prefix	35.8	35.8	-0.03	30%(+/-)	Yes
% with first name	73.5	73.6	0.17	30%(+/-)	Yes
% with middle name	52.7	52.8	0.22	30%(+/-)	Yes
% with last name	73.5	73.6	0.17	30%(+/-)	Yes
% with name suffix	2.1	2.0	-1.07	30%(+/-)	Yes
% male	45.5	44.4	-2.24	30%(+/-)	Yes
% female	28.0	29.1	4.08	30%(+/-)	Yes
% with credential	70.1	70.1	0.03	30%(+/-)	Yes
% with business name	26.5	25.8	-2.88	30%(+/-)	Yes
% with address line 1	100.0	99.4	-0.64	30%(+/-)	Yes
% with city	100.0	99.4	-0.64	30%(+/-)	Yes
% with state	100.0	99.4	-0.64	30%(+/-)	Yes
% state = claim file state code	93.0	91.7	-1.36	30%(+/-)	Yes
% with zip code	100.0	99.4	-0.64	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: FL

Produced: 03/13/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% with primary taxonomy	99.4	98.3	-1.14	30%(+/-)	Yes
% with provider entity type = individual	73.5	73.6	0.17	30%(+/-)	Yes
% with provider entity type = organization	26.5	25.8	-2.88	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	815	601	-26.26	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	126,090	134,435	6.62	30%(+/-)	Yes
% individual or group of individuals	80.0	80.3	0.45	30%(+/-)	Yes
% allopathic and osteopathic physicians	49.9	50.2	0.55	30%(+/-)	Yes
% behavioral health and social service providers	2.9	3.0	3.76	30%(+/-)	Yes
% chiropractic providers	1.4	1.3	-5.67	30%(+/-)	Yes
% dental providers	1.7	1.7	3.94	30%(+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-23.08	30%(+/-)	Yes
% emergency medical service providers	0.0	0.0	11.11	30%(+/-)	Yes
% eye and vision service providers	2.0	2.0	-1.01	30%(+/-)	Yes
% nursing service providers	0.6	0.6	-1.60	30%(+/-)	Yes
% nursing service-related providers	0.1	0.1	8.49	30%(+/-)	Yes
% other service providers	3.4	4.0	19.54	30%(+/-)	Yes
% pharmacy service providers	0.2	0.1	-38.01	30%(+/-)	Yes
% physician assistants and advanced practice nursing providers	9.0	10.0	11.33	30%(+/-)	Yes
% podiatric medicine and surgery service providers	1.2	1.2	0.17	30%(+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	2.8	2.9	1.45	30%(+/-)	Yes
% speech, language, and hearing service providers	2.7	2.9	9.23	30%(+/-)	Yes
% student health care	0.2	0.1	-28.76	30%(+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	-21.43	30%(+/-)	Yes
% group of individuals with multi- or single specialty	1.8	0.0	-100.00	30%(+/-)	Yes
% nonindividuals	20.0	19.7	-1.78	30%(+/-)	Yes
% agencies	2.2	2.2	1.06	30%(+/-)	Yes
% ambulatory health care facilities	2.3	2.2	-2.82	30%(+/-)	Yes
% hospital units	0.0	0.0	-21.28	30%(+/-)	Yes
% hospitals	2.5	2.6	4.30	30%(+/-)	Yes
% laboratories	0.3	0.3	5.77	30%(+/-)	Yes
% managed care organizations	0.1	0.1	-15.00	30%(+/-)	Yes
% nursing and custodial care facilities	2.1	2.1	2.72	30%(+/-)	Yes
% residential treatment facilities	0.2	0.2	-6.35	30%(+/-)	Yes
% respite care facility	0.0	0.0	-20.69	30%(+/-)	Yes
% suppliers	10.0	9.5	-4.56	30%(+/-)	Yes
% transportation services	0.3	0.4	0.29	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	92,783	100,622	8.45	30%(+/-)	Yes
% a sole proprietorship	24.0	25.0	4.01	30%(+/-)	Yes
% not a sole proprietorship	66.1	67.9	2.74	30%(+/-)	Yes
% not answered	9.8	7.1	-28.21	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	33,525	35,249	5.14	30%(+/-)	Yes
% organization is a subpart	14.9	14.6	-1.74	30%(+/-)	Yes
% organization is not a subpart	70.3	73.9	5.18	30%(+/-)	Yes
% not answered	14.8	11.5	-22.76	N/A	N/A

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

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