

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

**State-Specific Validation Tables,  
2010**

**Alaska**

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: AK

Produced: 02/21/2013

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	99	109	10.10	30% (+/-)	Yes
% billing provider on IP claim	100.0	100.0	0.00	N/A	N/A
% NPI billing provider on IP claim	99.0	97.2	-1.76	N/A	N/A
% also a provider on LT claim	9.1	11.0	21.10	N/A	N/A
% also a provider on OT claim	68.7	76.1	10.86	N/A	N/A
% also a provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% provider IDs with NPI	99.0	98.2	-0.83	30% (+/-)	Yes
% provider IDs linked to NPPES	96.0	94.5	-1.53	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 IP claims	213.7	199.1	-6.83	30% (+/-)	Yes
average number of beneficiaries with IP claims	181.4	170.2	-6.16	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	98	107	9.18	30% (+/-)	Yes
% NPI source = MSIS	100.0	99.1	-0.94	30% (+/-)	Yes
% NPI source = NPPES	0.0	0.9	Div by 0	30% (+/-)	N/A
% 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	95	103	8.42	30% (+/-)	Yes
% linked via NPI	100.0	99.0	-0.97	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.0	1.0	Div by 0	30% (+/-)	N/A
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	0.0	0.0	Div by 0	30% (+/-)	N/A
% with first name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with middle name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with last name	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.0	0.0	Div by 0	30% (+/-)	N/A
% female	0.0	0.0	Div by 0	30% (+/-)	N/A
% with credential	0.0	0.0	Div by 0	30% (+/-)	N/A
% with business name	100.0	100.0	0.00	30% (+/-)	Yes
% with address line 1	100.0	100.0	0.00	30% (+/-)	Yes
% with city	100.0	100.0	0.00	30% (+/-)	Yes
% with state	100.0	100.0	0.00	30% (+/-)	Yes
% state = IP state code	33.7	33.0	-2.00	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	100.0	100.0	0.00	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	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	95	103	8.42	30% (+/-)	Yes
% individual or group of individuals	1.1	1.0	-7.79	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.0	0.0	Div by 0	30% (+/-)	N/A
% 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 IP Billing Provider Characteristics Validation Table

State: AK

Produced: 02/21/2013

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	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	1.1	1.0	-7.79	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	0.0	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	98.9	99.0	0.08	30% (+/-)	Yes
% agencies	0.0	0.0	Div by 0	30% (+/-)	N/A
% ambulatory health care facilities	3.2	3.9	22.96	30% (+/-)	Yes
% hospital units	8.4	6.8	-19.30	30% (+/-)	Yes
% hospitals	87.4	88.4	1.12	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% residential treatment facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.0	0.0	Div by 0	30% (+/-)	N/A
% 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	95	103	8.42	30% (+/-)	Yes
% organization is a subpart	13.7	10.7	-21.95	30% (+/-)	Yes
% organization is not a subpart	76.8	82.5	7.39	30% (+/-)	Yes
% not answered	9.5	6.8	-28.27	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: AK

Produced: 02/21/2013

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	81	79	-2.47	30% (+/-)	Yes
% billing provider on LT claim	100.0	100.0	0.00	N/A	N/A
% NPI billing provider on LT claim	96.3	98.7	2.53	N/A	N/A
% also a provider on IP claim	11.1	15.2	36.71	N/A	N/A
% also a provider on OT claim	21.0	24.1	14.59	N/A	N/A
% also a provider on RX claim	1.2	0.0	-100.00	N/A	N/A
% provider IDs with NPI	98.8	98.7	-0.03	30% (+/-)	Yes
% provider IDs linked to NPPES	96.3	93.7	-2.73	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	204.8	205.6	0.41	30% (+/-)	Yes
average number of beneficiaries with LT claims	32.6	31.3	-3.85	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	80	78	-2.50	30% (+/-)	Yes
% NPI source = MSIS	97.5	100.0	2.56	30% (+/-)	Yes
% NPI source = NPPES	2.5	0.0	-100.00	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	78	74	-5.13	30% (+/-)	Yes
% linked via NPI	97.4	100.0	2.63	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	2.6	0.0	-100.00	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	47.4	50.0	5.41	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	94.9	97.3	2.56	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	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	74	72	-2.70	30% (+/-)	Yes
% individual or group of individuals	2.7	2.8	2.77	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.0	0.0	Div by 0	30% (+/-)	N/A
% behavioral health and social service providers	2.7	2.8	2.77	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 LT Billing Provider Characteristics Validation Table**

State: AK

Produced: 02/21/2013

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	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	97.3	97.2	-0.08	30% (+/-)	Yes
% agencies	0.0	0.0	Div by 0	30% (+/-)	N/A
% ambulatory health care facilities	0.0	1.4	Div by 0	30% (+/-)	N/A
% hospital units	5.4	5.6	2.79	30% (+/-)	Yes
% hospitals	27.0	27.8	2.78	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	28.4	30.6	7.67	30% (+/-)	Yes
% residential treatment facilities	36.5	31.9	-12.45	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.0	0.0	Div by 0	30% (+/-)	N/A
% transportation services	0.0	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	78	74	-5.13	30% (+/-)	Yes
% organization is a subpart	9.0	13.5	50.59	30% (+/-)	No
% organization is not a subpart	52.6	59.5	13.12	30% (+/-)	Yes
% not answered	38.5	27.0	-29.73	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: AK

Produced: 02/21/2013

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	14,585	15,008	2.90	30% (+/-)	Yes
% billing provider on OT claim	13.2	9.5	-27.97	N/A	N/A
% servicing provider on OT claim	53.2	51.9	-2.44	N/A	N/A
% NPI servicing provider on OT claim	46.8	48.1	2.77	N/A	N/A
% also a provider on IP claim	0.0	0.0	-25.93	N/A	N/A
% also a provider on LT claim	0.0	0.0	28.57	N/A	N/A
% also a provider on RX claim	17.6	18.8	6.80	N/A	N/A
% provider IDs with NPI	91.8	91.1	-0.82	30% (+/-)	Yes
% provider IDs linked to NPPES	89.4	89.3	-0.04	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	553.4	620.3	12.09	30% (+/-)	Yes
average number of beneficiaries with OT claims	100.5	109.1	8.59	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	13,395	13,671	2.06	30% (+/-)	Yes
% NPI source = MSIS	94.9	96.3	1.48	30% (+/-)	Yes
% NPI source = NPPES	5.1	3.7	-27.36	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	13,032	13,405	2.86	30% (+/-)	Yes
% linked via NPI	94.7	96.2	1.56	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	5.3	3.8	-27.89	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-34.78	30% (+/-)	Yes
% with name prefix	31.6	31.8	0.71	30% (+/-)	Yes
% with first name	92.4	92.6	0.18	30% (+/-)	Yes
% with middle name	70.9	71.3	0.62	30% (+/-)	Yes
% with last name	92.4	92.6	0.18	30% (+/-)	Yes
% with name suffix	2.0	2.1	3.99	30% (+/-)	Yes
% male	49.1	48.3	-1.49	30% (+/-)	Yes
% female	43.3	44.2	2.08	30% (+/-)	Yes
% with credential	78.0	78.4	0.56	30% (+/-)	Yes
% with business name	7.6	7.1	-6.51	30% (+/-)	Yes
% with address line 1	100.0	99.7	-0.33	30% (+/-)	Yes
% with city	100.0	99.7	-0.33	30% (+/-)	Yes
% with state	100.0	99.7	-0.33	30% (+/-)	Yes
% state = OT state code	61.3	60.4	-1.51	30% (+/-)	Yes
% with zip code	100.0	99.7	-0.33	30% (+/-)	Yes
% with primary taxonomy	97.4	98.0	0.63	30% (+/-)	Yes
% with provider entity type = individual	92.4	92.6	0.18	30% (+/-)	Yes
% with provider entity type = organization	7.6	7.1	-6.51	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	12,690	13,136	3.51	30% (+/-)	Yes
% individual or group of individuals	93.7	93.9	0.21	30% (+/-)	Yes
% allopathic and osteopathic physicians	53.1	51.1	-3.70	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: AK**

**Produced: 02/21/2013**

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	3.7	3.9	5.65	30% (+/-)	Yes
% chiropractic providers	1.8	1.8	0.00	30% (+/-)	Yes
% dental providers	5.5	5.6	0.74	30% (+/-)	Yes
% dietary and nutritional service providers	0.3	0.3	-19.81	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	-75.00	30% (+/-)	Yes
% eye and vision service providers	1.9	2.0	10.58	30% (+/-)	Yes
% nursing service providers	1.9	2.2	17.33	30% (+/-)	Yes
% nursing service-related providers	0.4	0.4	-3.52	30% (+/-)	Yes
% other service providers	6.4	6.3	-0.53	30% (+/-)	Yes
% pharmacy service providers	0.0	0.0	-61.54	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	11.5	12.7	10.82	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.3	0.3	-3.34	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	4.7	5.1	9.03	30% (+/-)	Yes
% speech, language, and hearing service providers	1.6	1.7	6.19	30% (+/-)	Yes
% student health care	0.5	0.3	-37.12	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.1	0.1	-22.78	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	6.3	6.1	-3.05	30% (+/-)	Yes
% agencies	1.7	1.3	-20.91	30% (+/-)	Yes
% ambulatory health care facilities	1.0	0.9	-4.97	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.2	0.3	16.10	30% (+/-)	Yes
% laboratories	0.6	0.6	-0.94	30% (+/-)	Yes
% managed care organizations	0.0	0.0	-6.25	30% (+/-)	Yes
% nursing and custodial care facilities	0.8	0.8	1.38	30% (+/-)	Yes
% residential treatment facilities	0.3	0.4	16.61	30% (+/-)	Yes
% respite care facility	0.1	0.1	-20.00	30% (+/-)	Yes
% suppliers	1.2	1.2	-0.77	30% (+/-)	Yes
% transportation services	0.4	0.6	31.29	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	12,041	12,408	3.05	30% (+/-)	Yes
% a sole proprietorship	17.8	18.8	5.41	30% (+/-)	Yes
% not a sole proprietorship	75.7	77.2	1.99	30% (+/-)	Yes
% not answered	6.4	4.0	-38.36	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	991	953	-3.83	30% (+/-)	Yes
% organization is a subpart	7.7	9.5	24.51	30% (+/-)	Yes
% organization is not a subpart	62.3	67.4	8.20	30% (+/-)	Yes
% not answered	30.1	23.1	-23.23	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: AK

Produced: 02/21/2013

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	4,400	3,554	-19.23	30% (+/-)	Yes
% billing provider on OT claim	100.0	100.0	0.00	N/A	N/A
% servicing provider on OT claim	7.2	8.2	15.16	N/A	N/A
% NPI servicing provider on OT claim	36.7	32.0	-12.81	N/A	N/A
% also a provider on IP claim	1.5	2.3	51.13	N/A	N/A
% also a provider on LT claim	0.4	0.5	38.60	N/A	N/A
% also a provider on RX claim	2.9	2.8	-2.72	N/A	N/A
% provider IDs with NPI	44.1	40.3	-8.66	30% (+/-)	Yes
% provider IDs linked to NPPES	42.8	40.0	-6.69	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	1,350.7	2,074.0	53.55	30% (+/-)	No
average number of beneficiaries with OT claims	169.7	220.9	30.15	30% (+/-)	No
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	1,941	1,432	-26.22	30% (+/-)	Yes
% NPI source = MSIS	95.5	94.1	-1.52	30% (+/-)	Yes
% NPI source = NPPES	4.5	5.9	32.44	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	1,884	1,420	-24.63	30% (+/-)	Yes
% linked via NPI	95.4	94.0	-1.43	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	4.6	5.9	29.57	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.1	32.08	30% (+/-)	Yes
% with name prefix	34.5	31.1	-9.99	30% (+/-)	Yes
% with first name	72.9	61.5	-15.64	30% (+/-)	Yes
% with middle name	57.1	49.7	-12.95	30% (+/-)	Yes
% with last name	72.9	61.5	-15.64	30% (+/-)	Yes
% with name suffix	1.8	1.9	8.50	30% (+/-)	Yes
% male	37.2	34.3	-7.69	30% (+/-)	Yes
% female	35.7	27.2	-23.90	30% (+/-)	Yes
% with credential	69.6	58.0	-16.67	30% (+/-)	Yes
% with business name	27.1	38.4	41.50	30% (+/-)	No
% with address line 1	100.0	99.9	-0.14	30% (+/-)	Yes
% with city	100.0	99.9	-0.14	30% (+/-)	Yes
% with state	100.0	99.9	-0.14	30% (+/-)	Yes
% state = OT state code	84.2	83.1	-1.29	30% (+/-)	Yes
% with zip code	100.0	99.9	-0.14	30% (+/-)	Yes
% with primary taxonomy	97.6	97.8	0.27	30% (+/-)	Yes
% with provider entity type = individual	72.9	61.5	-15.64	30% (+/-)	Yes
% with provider entity type = organization	27.1	38.4	41.50	30% (+/-)	No
<b>Provider IDs with or without NPI but linked to state provider file</b>					
Number of provider IDs with or without NPI linked to state provider file	0	0	Div by 0	N/A	N/A
<b>Provider IDs with NPPES Primary Taxonomy</b>					
Number of provider IDs with NPPES primary taxonomy	1,838	1,389	-24.43	30% (+/-)	Yes
% individual or group of individuals	77.6	66.6	-14.22	30% (+/-)	Yes
% allopathic and osteopathic physicians	27.1	21.5	-20.55	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: AK

Produced: 02/21/2013

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	1.3	1.3	3.60	30% (+/-)	Yes
% chiropractic providers	4.1	4.5	7.96	30% (+/-)	Yes
% dental providers	11.8	12.9	9.66	30% (+/-)	Yes
% dietary and nutritional service providers	0.9	0.9	-0.80	30% (+/-)	Yes
% emergency medical service providers	0.1	0.0	-100.00	30% (+/-)	Yes
% eye and vision service providers	3.2	3.6	14.07	30% (+/-)	Yes
% nursing service providers	0.3	0.1	-55.83	30% (+/-)	Yes
% nursing service-related providers	0.2	0.4	65.14	30% (+/-)	Yes
% other service providers	4.8	4.4	-8.27	30% (+/-)	Yes
% pharmacy service providers	0.1	0.1	33.33	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	9.8	6.5	-33.84	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.5	0.6	19.12	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	9.9	6.6	-33.84	30% (+/-)	Yes
% speech, language, and hearing service providers	3.4	3.2	-5.48	30% (+/-)	Yes
% student health care	0.0	0.1	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.3	0.0	-100.00	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	22.4	33.4	49.39	30% (+/-)	No
% agencies	2.0	3.5	71.68	30% (+/-)	Yes
% ambulatory health care facilities	3.0	3.7	22.73	30% (+/-)	Yes
% hospital units	0.0	0.1	Div by 0	30% (+/-)	N/A
% hospitals	4.1	5.9	44.67	30% (+/-)	Yes
% laboratories	2.2	3.3	52.21	30% (+/-)	Yes
% managed care organizations	0.1	0.0	-100.00	30% (+/-)	Yes
% nursing and custodial care facilities	1.1	1.8	57.48	30% (+/-)	Yes
% residential treatment facilities	0.5	1.3	138.24	30% (+/-)	Yes
% respite care facility	0.2	0.1	-11.66	30% (+/-)	Yes
% suppliers	6.7	9.5	40.87	30% (+/-)	Yes
% transportation services	2.4	4.2	77.44	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	1,373	873	-36.42	30% (+/-)	No
% a sole proprietorship	32.8	45.1	37.70	30% (+/-)	No
% not a sole proprietorship	58.4	49.5	-15.28	30% (+/-)	Yes
% not answered	8.8	5.4	-38.91	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	511	545	6.65	30% (+/-)	Yes
% organization is a subpart	12.9	14.7	13.65	30% (+/-)	Yes
% organization is not a subpart	68.7	72.1	4.98	30% (+/-)	Yes
% not answered	18.4	13.2	-28.18	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: AK

Produced: 02/21/2013

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	173	182	5.20	30% (+/-)	Yes
% billing provider on RX claim	100.0	100.0	0.00	N/A	N/A
% prescribing provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% NPI billing provider on RX claim	100.0	100.0	0.00	N/A	N/A
% also a provider on IP claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on LT claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on OT claim	45.7	43.4	-4.94	N/A	N/A
% provider IDs with NPI	100.0	100.0	0.00	30% (+/-)	Yes
% provider IDs linked to NPES	99.4	100.0	0.58	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	6,010.7	6,166.0	2.58	30% (+/-)	Yes
average number of beneficiaries with RX claims	594.2	613.1	3.18	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	173	182	5.20	30% (+/-)	Yes
% NPI source = MSIS	100.0	100.0	0.00	30% (+/-)	Yes
% NPI source = NPES	0.0	0.0	Div by 0	30% (+/-)	N/A
% 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	172	182	5.81	30% (+/-)	Yes
% linked via NPI	100.0	100.0	0.00	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	Div by 0	30% (+/-)	N/A
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	1.2	1.6	41.70	30% (+/-)	Yes
% with first name	1.2	1.6	41.70	30% (+/-)	Yes
% with middle name	1.2	1.1	-5.50	30% (+/-)	Yes
% with last name	1.2	1.6	41.70	30% (+/-)	Yes
% with name suffix	0.0	0.0	Div by 0	30% (+/-)	N/A
% male	0.6	1.1	89.16	30% (+/-)	Yes
% female	0.6	0.5	-5.51	30% (+/-)	Yes
% with credential	1.2	1.6	41.70	30% (+/-)	Yes
% with business name	98.8	96.7	-2.16	30% (+/-)	Yes
% with address line 1	100.0	98.4	-1.65	30% (+/-)	Yes
% with city	100.0	98.4	-1.65	30% (+/-)	Yes
% with state	100.0	98.4	-1.65	30% (+/-)	Yes
% state = RX state code	66.3	67.0	1.14	30% (+/-)	Yes
% with zip code	100.0	98.4	-1.65	30% (+/-)	Yes
% with primary taxonomy	95.9	94.5	-1.49	30% (+/-)	Yes
% with provider entity type = individual	1.2	1.6	41.70	30% (+/-)	Yes
% with provider entity type = organization	98.8	96.7	-2.16	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	165	172	4.24	30% (+/-)	Yes
% individual or group of individuals	5.5	5.2	-4.07	30% (+/-)	Yes
% allopathic and osteopathic physicians	1.8	1.7	-4.07	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: AK

Produced: 02/21/2013

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	0.0	0.6	Div by 0	30% (+/-)	N/A
% pharmacy service providers	3.6	2.9	-20.05	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	94.5	94.8	0.23	30% (+/-)	Yes
% agencies	0.0	0.0	Div by 0	30% (+/-)	N/A
% ambulatory health care facilities	0.6	1.2	91.91	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.6	0.6	-4.13	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	0.6	0.6	-4.13	30% (+/-)	Yes
% residential treatment facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	92.7	92.4	-0.31	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	2	3	50.00	30% (+/-)	Yes
% a sole proprietorship	50.0	66.7	33.33	30% (+/-)	No
% not a sole proprietorship	50.0	33.3	-33.33	30% (+/-)	No
% 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	170	176	3.53	30% (+/-)	Yes
% organization is a subpart	25.3	27.8	10.07	30% (+/-)	Yes
% organization is not a subpart	60.6	60.2	-0.60	30% (+/-)	Yes
% not answered	14.1	11.9	-15.48	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: AK

Produced: 02/21/2013

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	2,791	3,113	11.54	30% (+/-)	Yes
% billing provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% prescribing provider on RX claim	100.0	100.0	0.00	N/A	N/A
% NPI billing provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on IP claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on LT claim	0.0	0.0	-100.00	N/A	N/A
% also a provider on OT claim	91.3	90.0	-1.41	N/A	N/A
% provider IDs with NPI	86.9	87.6	0.90	30% (+/-)	Yes
% provider IDs linked to NPPES	86.5	87.6	1.28	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	302.8	341.2	12.67	30% (+/-)	Yes
average number of beneficiaries with RX claims	49.6	58.3	17.64	30% (+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	2,424	2,728	12.54	30% (+/-)	Yes
% NPI source = MSIS	92.5	95.2	2.92	30% (+/-)	Yes
% NPI source = NPPES	7.5	4.8	-36.19	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	2,415	2,728	12.96	30% (+/-)	Yes
% linked via NPI	92.5	95.2	2.95	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	7.4	4.7	-35.84	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.0	-70.16	30% (+/-)	Yes
% with name prefix	37.4	37.3	-0.19	30% (+/-)	Yes
% with first name	98.7	98.6	-0.03	30% (+/-)	Yes
% with middle name	78.0	78.3	0.37	30% (+/-)	Yes
% with last name	98.7	98.6	-0.03	30% (+/-)	Yes
% with name suffix	2.1	2.2	4.12	30% (+/-)	Yes
% male	55.8	54.1	-2.99	30% (+/-)	Yes
% female	42.9	44.5	3.82	30% (+/-)	Yes
% with credential	93.1	93.8	0.69	30% (+/-)	Yes
% with business name	1.3	1.0	-28.08	30% (+/-)	Yes
% with address line 1	100.0	99.6	-0.40	30% (+/-)	Yes
% with city	100.0	99.6	-0.40	30% (+/-)	Yes
% with state	100.0	99.6	-0.40	30% (+/-)	Yes
% state = RX state code	77.8	75.1	-3.46	30% (+/-)	Yes
% with zip code	100.0	99.6	-0.40	30% (+/-)	Yes
% with primary taxonomy	98.1	98.2	0.15	30% (+/-)	Yes
% with provider entity type = individual	98.7	98.6	-0.03	30% (+/-)	Yes
% with provider entity type = organization	1.3	1.0	-28.08	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	2,369	2,680	13.13	30% (+/-)	Yes
% individual or group of individuals	99.3	99.6	0.23	30% (+/-)	Yes
% allopathic and osteopathic physicians	63.8	61.1	-4.18	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: AK**

**Produced: 02/21/2013**

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	-11.90	30% (+/-)	Yes
% dental providers	8.9	9.1	2.29	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% emergency medical service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% eye and vision service providers	2.6	2.9	14.49	30% (+/-)	Yes
% nursing service providers	1.2	0.9	-21.07	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	-11.90	30% (+/-)	Yes
% other service providers	1.7	1.5	-13.75	30% (+/-)	Yes
% pharmacy service providers	0.0	0.0	-11.90	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	19.2	22.6	17.99	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.6	0.6	-5.25	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.1	78.57	30% (+/-)	Yes
% speech, language, and hearing service providers	0.0	0.0	-100.00	30% (+/-)	Yes
% student health care	1.1	0.6	-45.63	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	-11.90	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	0.7	0.4	-33.63	30% (+/-)	Yes
% agencies	0.0	0.0	Div by 0	30% (+/-)	N/A
% ambulatory health care facilities	0.3	0.2	-36.61	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.1	0.1	-10.71	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	Div by 0	30% (+/-)	N/A
% nursing and custodial care facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% residential treatment facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.3	0.2	-26.09	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	2,383	2,691	12.92	30% (+/-)	Yes
% a sole proprietorship	17.2	17.2	-0.46	30% (+/-)	Yes
% not a sole proprietorship	73.9	77.0	4.14	30% (+/-)	Yes
% not answered	8.9	5.9	-33.69	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	32	26	-18.75	30% (+/-)	Yes
% organization is a subpart	9.4	11.5	23.07	30% (+/-)	Yes
% organization is not a subpart	68.8	76.9	11.89	30% (+/-)	Yes
% not answered	21.9	11.5	-47.25	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: AK

Produced: 02/21/2013

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	17,486	17,632	0.83	30%(+/-)	Yes
% billing provider on IP claim	0.6	0.6	9.19	N/A	N/A
% NPI billing provider on IP claim	0.6	0.6	7.32	N/A	N/A
% billing provider on LT claim	0.5	0.4	-3.24	N/A	N/A
% NPI billing provider on LT claim	0.4	0.4	-0.90	N/A	N/A
% billing provider on OT claim	25.2	20.2	-19.89	N/A	N/A
% servicing provider on OT claim	44.4	44.2	-0.44	N/A	N/A
% NPI servicing provider on OT claim	39.1	41.0	4.88	N/A	N/A
% billing provider on RX claim	1.0	1.0	4.35	N/A	N/A
% prescribing provider on RX claim	16.0	17.7	10.61	N/A	N/A
% NPI billing provider on RX claim	1.0	1.0	4.35	N/A	N/A
% billing provider	26.2	21.2	-19.07	N/A	N/A
% NPI billing provider	1.9	2.0	3.29	N/A	N/A
% servicing provider	44.4	44.2	-0.44	N/A	N/A
% NPI servicing provider	39.1	41.0	4.88	N/A	N/A
% prescribing provider	16.0	17.7	10.61	N/A	N/A
% provider IDs with NPI	78.8	79.9	1.41	30%(+/-)	Yes
% provider IDs linked to NPPES	76.7	78.2	1.89	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	769.0	879.0	14.30	30%(+/-)	Yes
average number of beneficiaries with claims	114.6	127.9	11.63	30%(+/-)	Yes
<b>Provider IDs with NPI</b>					
Number of provider IDs with NPI	13,782	14,093	2.26	30%(+/-)	Yes
% NPI source = MSIS	94.5	95.7	1.32	30%(+/-)	Yes
% NPI source = NPPES	5.5	4.3	-22.58	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	13,413	13,780	2.74	30%(+/-)	Yes
% linked via NPI	94.3	95.6	1.38	30%(+/-)	Yes
% linked via Medicaid legacy provider ID	5.7	4.4	-22.83	30%(+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-40.54	30%(+/-)	Yes
% with name prefix	30.9	31.2	1.12	30%(+/-)	Yes
% with first name	90.1	90.5	0.48	30%(+/-)	Yes
% with middle name	69.1	69.5	0.54	30%(+/-)	Yes
% with last name	90.1	90.5	0.48	30%(+/-)	Yes
% with name suffix	1.9	2.0	3.29	30%(+/-)	Yes
% male	47.9	47.3	-1.21	30%(+/-)	Yes
% female	42.2	43.2	2.41	30%(+/-)	Yes
% with credential	76.1	76.6	0.66	30%(+/-)	Yes
% with business name	9.9	9.5	-4.42	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 = claim file state code	61.1	60.7	-0.72	30%(+/-)	Yes
% with zip code	100.0	100.0	0.00	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: AK

Produced: 02/21/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range <sup>a</sup>
% with primary taxonomy	97.4	98.1	0.74	30%(+/-)	Yes
% with provider entity type = individual	90.1	90.5	0.48	30%(+/-)	Yes
% with provider entity type = organization	9.9	9.5	-4.42	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	13,062	13,519	3.50	30%(+/-)	Yes
% individual or group of individuals	91.5	91.7	0.19	30%(+/-)	Yes
% allopathic and osteopathic physicians	51.8	49.7	-4.17	30%(+/-)	Yes
% behavioral health and social service providers	3.6	3.8	5.41	30%(+/-)	Yes
% chiropractic providers	1.7	1.7	0.06	30%(+/-)	Yes
% dental providers	5.4	5.5	1.13	30%(+/-)	Yes
% dietary and nutritional service providers	0.3	0.3	-20.06	30%(+/-)	Yes
% emergency medical service providers	0.0	0.0	-77.42	30%(+/-)	Yes
% eye and vision service providers	1.8	2.0	10.96	30%(+/-)	Yes
% nursing service providers	1.8	2.2	19.89	30%(+/-)	Yes
% nursing service-related providers	0.4	0.4	-5.08	30%(+/-)	Yes
% other service providers	6.2	6.2	-0.42	30%(+/-)	Yes
% pharmacy service providers	0.1	0.1	-38.10	30%(+/-)	Yes
% physician assistants and advanced practice nursing providers	11.2	12.3	9.92	30%(+/-)	Yes
% podiatric medicine and surgery service providers	0.3	0.3	-6.02	30%(+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	4.6	5.0	9.04	30%(+/-)	Yes
% speech, language, and hearing service providers	1.5	1.6	6.24	30%(+/-)	Yes
% student health care	0.5	0.6	18.61	30%(+/-)	Yes
% technologists, technicians, and other technical service providers	0.1	0.1	-23.38	30%(+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30%(+/-)	N/A
% nonindividuals	8.5	8.3	-2.07	30%(+/-)	Yes
% agencies	1.6	1.3	-20.31	30%(+/-)	Yes
% ambulatory health care facilities	1.0	1.0	0.20	30%(+/-)	Yes
% hospital units	0.1	0.1	-3.57	30%(+/-)	Yes
% hospitals	0.9	1.0	6.05	30%(+/-)	Yes
% laboratories	0.6	0.6	-0.97	30%(+/-)	Yes
% managed care organizations	0.0	0.0	0.00	30%(+/-)	Yes
% nursing and custodial care facilities	0.9	1.0	2.11	30%(+/-)	Yes
% residential treatment facilities	0.5	0.5	0.99	30%(+/-)	Yes
% respite care facility	0.1	0.1	-19.00	30%(+/-)	Yes
% suppliers	2.2	2.2	-1.04	30%(+/-)	Yes
% transportation services	0.4	0.5	27.51	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	12,086	12,477	3.24	30%(+/-)	Yes
% a sole proprietorship	17.8	18.9	6.17	30%(+/-)	Yes
% not a sole proprietorship	75.7	76.6	1.13	30%(+/-)	Yes
% not answered	6.4	4.5	-30.36	N/A	N/A
<b>Provider IDs with Entity Type = Organization</b>					
Number of provider IDs with entity type = organization	1,327	1,303	-1.81	30%(+/-)	Yes
% organization is a subpart	10.2	11.1	8.63	30%(+/-)	Yes
% organization is not a subpart	62.5	67.4	7.86	30%(+/-)	Yes
% not answered	27.4	21.6	-21.16	N/A	N/A

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

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