

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

**State-Specific Validation Tables,
2011**

June 28, 2013

Deo Bencio
Mei-ling Mason



MATHEMATICA
Policy Research

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

Contract Number:
HHSM-500-2005-00025I

Task Number:
HHSM-500-T0002

Mathematica Reference Number:
06759.680

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

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

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

**State-Specific Validation Tables,
2011**

June 28, 2013

Deo Bencio
Mei-ling Mason

MATHEMATICA
Policy Research

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

ACRONYMS

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

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

INTRODUCTION

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

The advent of the Health Insurance Portability and Accountability Act (HIPAA) mandated covered entities such as health care providers, health plans, and health care clearinghouses to obtain and use a National Provider Identifier (NPI) in all administrative and financial HIPAA transactions.¹ The NPI is a unique 10-digit, sequentially assigned national identification number, unstructured so as not to carry any way information such as the state or medical specialty of the health care provider who “owns” the identifier. Beginning in February 2009, states were required to include NPIs on claims submitted to MSIS. The main limitation of this identifier, however, is that certain classes of nonmedical providers are not required to obtain an NPI. Nonetheless, the availability of the NPI on MSIS claims makes the development of a uniform provider characteristic file more feasible. The MAX Provider Characteristics (MAXPC) file is such a file.

Once the state’s MAXPC file is created, validation tables are produced. Validation tables are designed as a diagnostic tool to determine whether linkages are working in the expected manner and consist of a set of seven tables. The first six tables focus on provider ID types in the IP, LT, OT, and RX files. These provider types are: IP billing, LT billing, OT servicing, OT billing, RX billing, and RX prescribing provider IDs. The seventh table examines all provider IDs in all of the files. Each file-specific validation table is used to detect linkage issues that are peculiar to a given file type. The all-provider table is used to monitor the overall quality of the linkages of all provider IDs. The design of the validation tables is very similar across file types. The measures are grouped into seven sections as denoted by the shaded rows. The first section describes measures for each unique provider in the file. The second section focuses on the source of NPIs. The third section focuses on provider IDs that link to NPPES, followed by a section for provider IDs that link to state provider files. The fifth section focuses on the primary taxonomy of providers that link to NPPES. Among providers, taxonomies are classified into two groups: (1) individuals or groups of individuals, and (2) nonindividuals. The sixth section focuses on individual providers showing their sole proprietorship status. Finally, the seventh section focuses on provider organizations and their ownership status.

The columns in the state-specific tables describe the annual statistics for up to three years, followed by a column describing the percentage change between year one and year two, the percentage change between year two and year three, if applicable, followed by the expected

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

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

The primary source of data used in the MAXPC 2011 files were the MSIS Valid claims files. The following measures in the MAXPC file were derived from original, unadjusted claims:

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

2009-2011 MAX IP Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
IP Providers								
Number of provider IDs	99	109	109	10.10	0.00	30% (+/-)	Yes	Yes
% billing provider on IP claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% NPI billing provider on IP claim	99.0	97.2	99.1	-1.76	1.89	N/A	N/A	N/A
% also a provider on LT claim	9.1	11.0	10.1	21.10	-8.33	N/A	N/A	N/A
% also a provider on OT claim	68.7	76.1	74.3	10.86	-2.41	N/A	N/A	N/A
% also a provider on RX claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% provider IDs with NPI	99.0	98.2	99.1	-0.83	0.93	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	96.0	94.5	96.3	-1.53	1.94	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of IP claims	213.7	199.1	200.3	-6.83	0.59	30% (+/-)	Yes	Yes
average number of beneficiaries with IP claims	181.4	170.2	168.7	-6.16	-0.87	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	98	107	108	9.18	0.93	30% (+/-)	Yes	Yes
% NPI source = MSIS	100.0	99.1	100.0	-0.94	0.94	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.0	0.9	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	95	103	105	8.42	1.94	30% (+/-)	Yes	Yes
% linked via NPI	100.0	99.0	100.0	-0.97	0.98	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	1.0	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with first name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with middle name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with last name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% female	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with credential	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with business name	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with address line 1	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with city	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with state	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% state = IP state code	33.7	33.0	35.2	-2.00	6.75	30% (+/-)	Yes	Yes
% with zip code	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with primary taxonomy	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with provider entity type = organization	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX IP Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	95	103	105	8.42	1.94	30% (+/-)	Yes	Yes
% individual or group of individuals	1.1	1.0	1.0	-7.79	-1.92	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% behavioral health and social service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% eye and vision service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% pharmacy service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% physician assistants and advanced practice nursing providers	1.1	1.0	1.0	-7.79	-1.92	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% speech, language, and hearing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% student health care	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	98.9	99.0	99.0	0.08	0.02	30% (+/-)	Yes	Yes
% agencies	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% ambulatory health care facilities	3.2	3.9	7.6	22.96	96.22	30% (+/-)	Yes	Yes
% hospital units	8.4	6.8	6.7	-19.30	-1.90	30% (+/-)	Yes	Yes
% hospitals	87.4	88.4	84.8	1.12	-4.06	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing and custodial care facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% residential treatment facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% transportation services	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	0	0	0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	95	103	105	8.42	1.94	30% (+/-)	Yes	Yes
% organization is a subpart	13.7	10.7	14.3	-21.95	33.76	30% (+/-)	Yes	No
% organization is not a subpart	76.8	82.5	82.9	7.39	0.40	30% (+/-)	Yes	Yes
% not answered	9.5	6.8	2.9	-28.27	-57.96	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX LT Billing Provider Characteristics Validation Table

State: AK
Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
LT Providers								
Number of provider IDs	81	79	75	-2.47	-5.06	30% (+/-)	Yes	Yes
% billing provider on LT claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% NPI billing provider on LT claim	96.3	98.7	97.3	2.53	-1.42	N/A	N/A	N/A
% also a provider on IP claim	11.1	15.2	14.7	36.71	-3.45	N/A	N/A	N/A
% also a provider on OT claim	21.0	24.1	20.0	14.59	-16.84	N/A	N/A	N/A
% also a provider on RX claim	1.2	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
% provider IDs with NPI	98.8	98.7	100.0	-0.03	1.28	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	96.3	93.7	93.3	-2.73	-0.36	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of LT claims	204.8	205.6	234.1	0.41	13.83	30% (+/-)	Yes	Yes
average number of beneficiaries with LT claims	32.6	31.3	33.2	-3.85	6.06	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	80	78	75	-2.50	-3.85	30% (+/-)	Yes	Yes
% NPI source = MSIS	97.5	100.0	97.3	2.56	-2.67	30% (+/-)	Yes	Yes
% NPI source = NPPES	2.5	0.0	2.7	-100.00	Div by 0	30% (+/-)	Yes	N/A
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	78	74	70	-5.13	-5.41	30% (+/-)	Yes	Yes
% linked via NPI	97.4	100.0	97.1	2.63	-2.86	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	2.6	0.0	2.9	-100.00	Div by 0	30% (+/-)	Yes	N/A
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with first name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with middle name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with last name	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% female	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with credential	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with business name	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with address line 1	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with city	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with state	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% state = LT state code	47.4	50.0	52.9	5.41	5.71	30% (+/-)	Yes	Yes
% with zip code	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% with primary taxonomy	94.9	97.3	97.1	2.56	-0.16	30% (+/-)	Yes	Yes
% with provider entity type = individual	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with provider entity type = organization	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX LT Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	74	72	68	-2.70	-5.56	30% (+/-)	Yes	Yes
% individual or group of individuals	2.7	2.8	1.5	2.77	-47.06	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% behavioral health and social service providers	2.7	2.8	1.5	2.77	-47.06	30% (+/-)	Yes	Yes
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% eye and vision service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% pharmacy service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% podiatric medicine and surgery service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% speech, language, and hearing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% student health care	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	97.3	97.2	98.5	-0.08	1.34	30% (+/-)	Yes	Yes
% agencies	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% ambulatory health care facilities	0.0	1.4	1.5	Div by 0	5.87	30% (+/-)	N/A	Yes
% hospital units	5.4	5.6	7.4	2.79	32.34	30% (+/-)	Yes	Yes
% hospitals	27.0	27.8	25.0	2.78	-10.00	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing and custodial care facilities	28.4	30.6	35.3	7.67	15.51	30% (+/-)	Yes	Yes
% residential treatment facilities	36.5	31.9	29.4	-12.45	-7.93	30% (+/-)	Yes	Yes
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% transportation services	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	0	0	0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not a sole proprietorship	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	78	74	70	-5.13	-5.41	30% (+/-)	Yes	Yes
% organization is a subpart	9.0	13.5	11.4	50.59	-15.43	30% (+/-)	No	Yes
% organization is not a subpart	52.6	59.5	61.4	13.12	3.31	30% (+/-)	Yes	Yes
% not answered	38.5	27.0	27.1	-29.73	0.43	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX OT Servicing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
OT Providers								
Number of provider IDs	14,585	15,008	21,592	2.90	43.87	30% (+/-)	Yes	No
% billing provider on OT claim	13.2	9.5	6.1	-27.97	-35.60	N/A	N/A	N/A
% servicing provider on OT claim	53.2	51.9	64.0	-2.44	23.35	N/A	N/A	N/A
% NPI servicing provider on OT claim	46.8	48.1	36.0	2.77	-25.16	N/A	N/A	N/A
% also a provider on IP claim	0.0	0.0	0.0	-25.93	-30.53	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.0	28.57	-48.54	N/A	N/A	N/A
% also a provider on RX claim	17.6	18.8	14.3	6.80	-24.19	N/A	N/A	N/A
% provider IDs with NPI	91.8	91.1	68.4	-0.82	-24.91	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	89.4	89.3	67.1	-0.04	-24.93	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of OT claims	553.4	620.3	511.9	12.09	-17.47	30% (+/-)	Yes	Yes
average number of beneficiaries with OT claims	100.5	109.1	82.0	8.59	-24.84	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	13,395	13,671	14,768	2.06	8.02	30% (+/-)	Yes	Yes
% NPI source = MSIS	94.9	96.3	97.2	1.48	0.95	30% (+/-)	Yes	Yes
% NPI source = NPPES	5.1	3.7	2.8	-27.36	-24.50	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	13,032	13,405	14,478	2.86	8.00	30% (+/-)	Yes	Yes
% linked via NPI	94.7	96.2	97.1	1.56	0.97	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	5.3	3.8	2.8	-27.89	-25.64	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.1	-34.78	268.38	30% (+/-)	Yes	Yes
% with name prefix	31.6	31.8	32.7	0.71	2.83	30% (+/-)	Yes	Yes
% with first name	92.4	92.6	93.6	0.18	1.13	30% (+/-)	Yes	Yes
% with middle name	70.9	71.3	71.9	0.62	0.86	30% (+/-)	Yes	Yes
% with last name	92.4	92.6	93.6	0.18	1.13	30% (+/-)	Yes	Yes
% with name suffix	2.0	2.1	2.3	3.99	10.03	30% (+/-)	Yes	Yes
% male	49.1	48.3	48.2	-1.49	-0.40	30% (+/-)	Yes	Yes
% female	43.3	44.2	45.4	2.08	2.79	30% (+/-)	Yes	Yes
% with credential	78.0	78.4	79.9	0.56	1.90	30% (+/-)	Yes	Yes
% with business name	7.6	7.1	6.3	-6.51	-11.68	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.7	99.9	-0.33	0.21	30% (+/-)	Yes	Yes
% with city	100.0	99.7	99.9	-0.33	0.21	30% (+/-)	Yes	Yes
% with state	100.0	99.7	99.9	-0.33	0.21	30% (+/-)	Yes	Yes
% state = OT state code	61.3	60.4	58.5	-1.51	-3.06	30% (+/-)	Yes	Yes
% with zip code	100.0	99.7	99.9	-0.33	0.21	30% (+/-)	Yes	Yes
% with primary taxonomy	97.4	98.0	98.3	0.63	0.29	30% (+/-)	Yes	Yes
% with provider entity type = individual	92.4	92.6	93.6	0.18	1.13	30% (+/-)	Yes	Yes
% with provider entity type = organization	7.6	7.1	6.3	-6.51	-11.68	30% (+/-)	Yes	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX OT Servicing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	12,690	13,136	14,229	3.51	8.32	30% (+/-)	Yes	Yes
% individual or group of individuals	93.7	93.9	94.2	0.21	0.41	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	53.1	51.1	51.3	-3.70	0.32	30% (+/-)	Yes	Yes
% behavioral health and social service providers	3.7	3.9	4.0	5.65	1.32	30% (+/-)	Yes	Yes
% chiropractic providers	1.8	1.8	1.6	0.00	-11.21	30% (+/-)	Yes	Yes
% dental providers	5.5	5.6	5.3	0.74	-5.03	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.3	0.3	0.3	-19.81	16.68	30% (+/-)	Yes	Yes
% emergency medical service providers	0.0	0.0	0.0	-75.00	-12.15	30% (+/-)	Yes	Yes
% eye and vision service providers	1.9	2.0	2.0	10.58	-3.92	30% (+/-)	Yes	Yes
% nursing service providers	1.9	2.2	2.2	17.33	-1.29	30% (+/-)	Yes	Yes
% nursing service-related providers	0.4	0.4	0.5	-3.52	28.25	30% (+/-)	Yes	Yes
% other service providers	6.4	6.3	6.0	-0.53	-5.24	30% (+/-)	Yes	Yes
% pharmacy service providers	0.0	0.0	0.0	-61.54	87.41	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	11.5	12.7	13.3	10.82	4.94	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.3	0.3	0.3	-3.34	-10.02	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	4.7	5.1	5.2	9.03	0.93	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	1.6	1.7	1.7	6.19	1.95	30% (+/-)	Yes	Yes
% student health care	0.5	0.3	0.5	-37.12	65.49	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.1	0.1	0.1	-22.78	49.77	30% (+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	6.3	6.1	5.8	-3.05	-6.30	30% (+/-)	Yes	Yes
% agencies	1.7	1.3	1.2	-20.91	-6.04	30% (+/-)	Yes	Yes
% ambulatory health care facilities	1.0	0.9	0.9	-4.97	-9.15	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospitals	0.2	0.3	0.2	16.10	-15.36	30% (+/-)	Yes	Yes
% laboratories	0.6	0.6	0.7	-0.94	4.53	30% (+/-)	Yes	Yes
% managed care organizations	0.0	0.0	0.0	-6.25	40.56	30% (+/-)	Yes	Yes
% nursing and custodial care facilities	0.8	0.8	0.8	1.38	-6.82	30% (+/-)	Yes	Yes
% residential treatment facilities	0.3	0.4	0.3	16.61	-11.66	30% (+/-)	Yes	Yes
% respite care facility	0.1	0.1	0.1	-20.00	1.72	30% (+/-)	Yes	Yes
% suppliers	1.2	1.2	1.1	-0.77	-7.67	30% (+/-)	Yes	Yes
% transportation services	0.4	0.6	0.5	31.29	-5.32	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	12,041	12,408	13,552	3.05	9.22	30% (+/-)	Yes	Yes
% a sole proprietorship	17.8	18.8	18.5	5.41	-1.41	30% (+/-)	Yes	Yes
% not a sole proprietorship	75.7	77.2	77.7	1.99	0.61	30% (+/-)	Yes	Yes
% not answered	6.4	4.0	3.8	-38.36	-5.09	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	991	953	909	-3.83	-4.62	30% (+/-)	Yes	Yes
% organization is a subpart	7.7	9.5	8.9	24.51	-6.68	30% (+/-)	Yes	Yes
% organization is not a subpart	62.3	67.4	68.1	8.20	1.08	30% (+/-)	Yes	Yes
% not answered	30.1	23.1	23.0	-23.23	-0.40	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX OT Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
OT Providers								
Number of provider IDs	4,400	3,554	3,515	-19.23	-1.10	30% (+/-)	Yes	Yes
% billing provider on OT claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% servicing provider on OT claim	7.2	8.2	8.8	15.16	6.63	N/A	N/A	N/A
% NPI servicing provider on OT claim	36.7	32.0	28.9	-12.81	-9.66	N/A	N/A	N/A
% also a provider on IP claim	1.5	2.3	2.3	51.13	-1.31	N/A	N/A	N/A
% also a provider on LT claim	0.4	0.5	0.4	38.60	-20.24	N/A	N/A	N/A
% also a provider on RX claim	2.9	2.8	2.6	-2.72	-7.07	N/A	N/A	N/A
% provider IDs with NPI	44.1	40.3	37.0	-8.66	-8.07	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	42.8	40.0	36.7	-6.69	-8.15	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of OT claims	1,350.7	2,074.0	2,231.5	53.55	7.59	30% (+/-)	No	Yes
average number of beneficiaries with OT claims	169.7	220.9	229.3	30.15	3.83	30% (+/-)	No	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	1,941	1,432	1,302	-26.22	-9.08	30% (+/-)	Yes	Yes
% NPI source = MSIS	95.5	94.1	93.5	-1.52	-0.55	30% (+/-)	Yes	Yes
% NPI source = NPPES	4.5	5.9	6.5	32.44	8.69	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	1,884	1,420	1,290	-24.63	-9.15	30% (+/-)	Yes	Yes
% linked via NPI	95.4	94.0	93.5	-1.43	-0.56	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	4.6	5.9	6.4	29.57	8.78	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.1	0.1	0.1	32.08	10.74	30% (+/-)	Yes	Yes
% with name prefix	34.5	31.1	29.2	-9.99	-5.90	30% (+/-)	Yes	Yes
% with first name	72.9	61.5	57.8	-15.64	-5.94	30% (+/-)	Yes	Yes
% with middle name	57.1	49.7	47.3	-12.95	-4.89	30% (+/-)	Yes	Yes
% with last name	72.9	61.5	57.8	-15.64	-5.94	30% (+/-)	Yes	Yes
% with name suffix	1.8	1.9	1.5	8.50	-22.52	30% (+/-)	Yes	Yes
% male	37.2	34.3	33.7	-7.69	-1.68	30% (+/-)	Yes	Yes
% female	35.7	27.2	24.1	-23.90	-11.31	30% (+/-)	Yes	Yes
% with credential	69.6	58.0	54.3	-16.67	-6.49	30% (+/-)	Yes	Yes
% with business name	27.1	38.4	42.2	41.50	9.88	30% (+/-)	No	Yes
% with address line 1	100.0	99.9	100.0	-0.14	0.14	30% (+/-)	Yes	Yes
% with city	100.0	99.9	100.0	-0.14	0.14	30% (+/-)	Yes	Yes
% with state	100.0	99.9	100.0	-0.14	0.14	30% (+/-)	Yes	Yes
% state = OT state code	84.2	83.1	84.9	-1.29	2.15	30% (+/-)	Yes	Yes
% with zip code	100.0	99.9	100.0	-0.14	0.14	30% (+/-)	Yes	Yes
% with primary taxonomy	97.6	97.8	97.4	0.27	-0.46	30% (+/-)	Yes	Yes
% with provider entity type = individual	72.9	61.5	57.8	-15.64	-5.94	30% (+/-)	Yes	Yes
% with provider entity type = organization	27.1	38.4	42.2	41.50	9.88	30% (+/-)	No	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX OT Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	1,838	1,389	1,256	-24.43	-9.58	30% (+/-)	Yes	Yes
% individual or group of individuals	77.6	66.6	61.5	-14.22	-7.58	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	27.1	21.5	20.5	-20.55	-4.57	30% (+/-)	Yes	Yes
% behavioral health and social service providers	1.3	1.3	1.4	3.60	4.44	30% (+/-)	Yes	Yes
% chiropractic providers	4.1	4.5	4.4	7.96	-1.90	30% (+/-)	Yes	Yes
% dental providers	11.8	12.9	12.9	9.66	0.09	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.9	0.9	1.4	-0.80	65.87	30% (+/-)	Yes	Yes
% emergency medical service providers	0.1	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% eye and vision service providers	3.2	3.6	3.5	14.07	-2.69	30% (+/-)	Yes	Yes
% nursing service providers	0.3	0.1	0.2	-55.83	10.58	30% (+/-)	Yes	Yes
% nursing service-related providers	0.2	0.4	0.3	65.14	-11.54	30% (+/-)	Yes	Yes
% other service providers	4.8	4.4	3.7	-8.27	-16.61	30% (+/-)	Yes	Yes
% pharmacy service providers	0.1	0.1	0.1	33.33	10.58	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	9.8	6.5	5.0	-33.84	-22.58	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.5	0.6	0.4	19.12	-38.57	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	9.9	6.6	4.7	-33.84	-28.29	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	3.4	3.2	2.8	-5.48	-13.99	30% (+/-)	Yes	Yes
% student health care	0.0	0.1	0.3	Div by 0	342.32	30% (+/-)	N/A	Yes
% technologists, technicians, and other technical service providers	0.3	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	22.4	33.4	38.5	49.39	15.12	30% (+/-)	No	Yes
% agencies	2.0	3.5	4.5	71.68	31.31	30% (+/-)	Yes	Yes
% ambulatory health care facilities	3.0	3.7	4.3	22.73	17.09	30% (+/-)	Yes	Yes
% hospital units	0.0	0.1	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% hospitals	4.1	5.9	6.3	44.67	6.53	30% (+/-)	Yes	Yes
% laboratories	2.2	3.3	3.6	52.21	8.18	30% (+/-)	Yes	Yes
% managed care organizations	0.1	0.0	0.1	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nursing and custodial care facilities	1.1	1.8	2.7	57.48	50.39	30% (+/-)	Yes	Yes
% residential treatment facilities	0.5	1.3	1.8	138.24	35.15	30% (+/-)	Yes	Yes
% respite care facility	0.2	0.1	0.5	-11.66	231.74	30% (+/-)	Yes	Yes
% suppliers	6.7	9.5	10.2	40.87	7.24	30% (+/-)	Yes	Yes
% transportation services	2.4	4.2	4.5	77.44	6.83	30% (+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	1,373	873	746	-36.42	-14.55	30% (+/-)	No	Yes
% a sole proprietorship	32.8	45.1	47.9	37.70	6.03	30% (+/-)	No	Yes
% not a sole proprietorship	58.4	49.5	47.9	-15.28	-3.29	30% (+/-)	Yes	Yes
% not answered	8.8	5.4	4.3	-38.91	-20.33	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	511	545	544	6.65	-0.18	30% (+/-)	Yes	Yes
% organization is a subpart	12.9	14.7	14.3	13.65	-2.32	30% (+/-)	Yes	Yes
% organization is not a subpart	68.7	72.1	72.1	4.98	-0.07	30% (+/-)	Yes	Yes
% not answered	18.4	13.2	13.6	-28.18	2.97	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
RX Providers								
Number of provider IDs	173	182	184	5.20	1.10	30% (+/-)	Yes	Yes
% billing provider on RX claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% prescribing provider on RX claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% NPI billing provider on RX claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% also a provider on IP claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on OT claim	45.7	43.4	40.8	-4.94	-6.10	N/A	N/A	N/A
% provider IDs with NPI	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	99.4	100.0	100.0	0.58	0.00	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of RX claims	6,010.7	6,166.0	6,256.2	2.58	1.46	30% (+/-)	Yes	Yes
average number of beneficiaries with RX claims	594.2	613.1	648.6	3.18	5.78	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	173	182	184	5.20	1.10	30% (+/-)	Yes	Yes
% NPI source = MSIS	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% NPI source = NPPES	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	172	182	184	5.81	1.10	30% (+/-)	Yes	Yes
% linked via NPI	100.0	100.0	100.0	0.00	0.00	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% linked via Medicare UPIN	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% with name prefix	1.2	1.6	0.5	41.70	-67.02	30% (+/-)	Yes	Yes
% with first name	1.2	1.6	0.5	41.70	-67.02	30% (+/-)	Yes	Yes
% with middle name	1.2	1.1	0.5	-5.50	-50.55	30% (+/-)	Yes	Yes
% with last name	1.2	1.6	0.5	41.70	-67.02	30% (+/-)	Yes	Yes
% with name suffix	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% male	0.6	1.1	0.5	89.16	-50.55	30% (+/-)	Yes	Yes
% female	0.6	0.5	0.0	-5.51	-100.00	30% (+/-)	Yes	Yes
% with credential	1.2	1.6	0.5	41.70	-67.02	30% (+/-)	Yes	Yes
% with business name	98.8	96.7	98.9	-2.16	2.29	30% (+/-)	Yes	Yes
% with address line 1	100.0	98.4	99.5	-1.65	1.12	30% (+/-)	Yes	Yes
% with city	100.0	98.4	99.5	-1.65	1.12	30% (+/-)	Yes	Yes
% with state	100.0	98.4	99.5	-1.65	1.12	30% (+/-)	Yes	Yes
% state = RX state code	66.3	67.0	64.7	1.14	-3.52	30% (+/-)	Yes	Yes
% with zip code	100.0	98.4	99.5	-1.65	1.12	30% (+/-)	Yes	Yes
% with primary taxonomy	95.9	94.5	95.7	-1.49	1.21	30% (+/-)	Yes	Yes
% with provider entity type = individual	1.2	1.6	0.5	41.70	-67.02	30% (+/-)	Yes	Yes
% with provider entity type = organization	98.8	96.7	98.9	-2.16	2.29	30% (+/-)	Yes	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Billing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	165	172	176	4.24	2.33	30% (+/-)	Yes	Yes
% individual or group of individuals	5.5	5.2	2.3	-4.07	-56.57	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	1.8	1.7	0.6	-4.07	-67.42	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% chiropractic providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dental providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% dietary and nutritional service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% emergency medical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% eye and vision service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing service-related providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% other service providers	0.0	0.6	0.0	Div by 0	-100.00	30% (+/-)	N/A	Yes
% pharmacy service providers	3.6	2.9	1.7	-20.05	-41.36	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% podiatric medicine and surgery service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% speech, language, and hearing service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% student health care	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	94.5	94.8	97.7	0.23	3.12	30% (+/-)	Yes	Yes
% agencies	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% ambulatory health care facilities	0.6	1.2	1.1	91.91	-2.29	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospitals	0.6	0.6	0.6	-4.13	-2.21	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing and custodial care facilities	0.6	0.6	0.6	-4.13	-2.21	30% (+/-)	Yes	Yes
% residential treatment facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	92.7	92.4	95.5	-0.31	3.26	30% (+/-)	Yes	Yes
% transportation services	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	2	3	1	50.00	-66.67	30% (+/-)	Yes	Yes
% a sole proprietorship	50.0	66.7	100.0	33.33	50.00	30% (+/-)	No	No
% not a sole proprietorship	50.0	33.3	0.0	-33.33	-100.00	30% (+/-)	No	No
% not answered	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	170	176	182	3.53	3.41	30% (+/-)	Yes	Yes
% organization is a subpart	25.3	27.8	28.6	10.07	2.62	30% (+/-)	Yes	Yes
% organization is not a subpart	60.6	60.2	61.0	-0.60	1.27	30% (+/-)	Yes	Yes
% not answered	14.1	11.9	10.4	-15.48	-12.51	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Prescribing Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
RX Providers								
Number of provider IDs	2,791	3,113	3,409	11.54	9.51	30% (+/-)	Yes	Yes
% billing provider on RX claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% prescribing provider on RX claim	100.0	100.0	100.0	0.00	0.00	N/A	N/A	N/A
% NPI billing provider on RX claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on IP claim	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
% also a provider on LT claim	0.0	0.0	0.0	-100.00	Div by 0	N/A	N/A	N/A
% also a provider on OT claim	91.3	90.0	89.7	-1.41	-0.31	N/A	N/A	N/A
% provider IDs with NPI	86.9	87.6	88.5	0.90	0.96	30% (+/-)	Yes	Yes
% provider IDs linked to NPPES	86.5	87.6	88.5	1.28	0.96	30% (+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of RX claims	302.8	341.2	325.9	12.67	-4.47	30% (+/-)	Yes	Yes
average number of beneficiaries with RX claims	49.6	58.3	58.9	17.64	1.02	30% (+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	2,424	2,728	3,016	12.54	10.56	30% (+/-)	Yes	Yes
% NPI source = MSIS	92.5	95.2	95.5	2.92	0.30	30% (+/-)	Yes	Yes
% NPI source = NPPES	7.5	4.8	4.5	-36.19	-6.06	30% (+/-)	Yes	Yes
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	2,415	2,728	3,016	12.96	10.56	30% (+/-)	Yes	Yes
% linked via NPI	92.5	95.2	95.5	2.95	0.30	30% (+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	7.4	4.7	4.4	-35.84	-7.45	30% (+/-)	Yes	Yes
% linked via Medicare UPIN	0.1	0.0	0.1	-70.16	168.84	30% (+/-)	Yes	Yes
% with name prefix	37.4	37.3	38.6	-0.19	3.61	30% (+/-)	Yes	Yes
% with first name	98.7	98.6	98.8	-0.03	0.20	30% (+/-)	Yes	Yes
% with middle name	78.0	78.3	78.2	0.37	-0.06	30% (+/-)	Yes	Yes
% with last name	98.7	98.6	98.8	-0.03	0.20	30% (+/-)	Yes	Yes
% with name suffix	2.1	2.2	2.8	4.12	25.15	30% (+/-)	Yes	Yes
% male	55.8	54.1	53.1	-2.99	-1.83	30% (+/-)	Yes	Yes
% female	42.9	44.5	45.7	3.82	2.66	30% (+/-)	Yes	Yes
% with credential	93.1	93.8	94.2	0.69	0.46	30% (+/-)	Yes	Yes
% with business name	1.3	1.0	1.0	-28.08	0.90	30% (+/-)	Yes	Yes
% with address line 1	100.0	99.6	99.8	-0.40	0.20	30% (+/-)	Yes	Yes
% with city	100.0	99.6	99.8	-0.40	0.20	30% (+/-)	Yes	Yes
% with state	100.0	99.6	99.8	-0.40	0.20	30% (+/-)	Yes	Yes
% state = RX state code	77.8	75.1	74.0	-3.46	-1.47	30% (+/-)	Yes	Yes
% with zip code	100.0	99.6	99.8	-0.40	0.20	30% (+/-)	Yes	Yes
% with primary taxonomy	98.1	98.2	98.5	0.15	0.31	30% (+/-)	Yes	Yes
% with provider entity type = individual	98.7	98.6	98.8	-0.03	0.20	30% (+/-)	Yes	Yes
% with provider entity type = organization	1.3	1.0	1.0	-28.08	0.90	30% (+/-)	Yes	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX RX Prescribing Provider Characteristics Validation Table

State: AK
Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	2,369	2,680	2,972	13.13	10.90	30% (+/-)	Yes	Yes
% individual or group of individuals	99.3	99.6	99.5	0.23	-0.02	30% (+/-)	Yes	Yes
% allopathic and osteopathic physicians	63.8	61.1	59.2	-4.18	-3.16	30% (+/-)	Yes	Yes
% behavioral health and social service providers	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% chiropractic providers	0.0	0.0	0.0	-11.90	-9.06	30% (+/-)	Yes	Yes
% dental providers	8.9	9.1	8.4	2.29	-6.85	30% (+/-)	Yes	Yes
% dietary and nutritional service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% emergency medical service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% eye and vision service providers	2.6	2.9	3.1	14.49	3.86	30% (+/-)	Yes	Yes
% nursing service providers	1.2	0.9	1.0	-21.07	8.19	30% (+/-)	Yes	Yes
% nursing service-related providers	0.0	0.0	0.0	-11.90	-9.06	30% (+/-)	Yes	Yes
% other service providers	1.7	1.5	1.5	-13.75	3.67	30% (+/-)	Yes	Yes
% pharmacy service providers	0.0	0.0	0.0	-11.90	-9.06	30% (+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	19.2	22.6	24.7	17.99	9.07	30% (+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.6	0.6	0.5	-5.25	-9.87	30% (+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.1	0.0	78.57	-55.14	30% (+/-)	Yes	Yes
% speech, language, and hearing service providers	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% student health care	1.1	0.6	0.9	-45.63	46.54	30% (+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.0	0.0	0.0	-11.90	-9.06	30% (+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nonindividuals	0.7	0.4	0.5	-33.63	5.15	30% (+/-)	Yes	Yes
% agencies	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% ambulatory health care facilities	0.3	0.2	0.3	-36.61	43.95	30% (+/-)	Yes	Yes
% hospital units	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% hospitals	0.1	0.1	0.0	-10.71	-55.14	30% (+/-)	Yes	Yes
% laboratories	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% managed care organizations	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% nursing and custodial care facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% residential treatment facilities	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% respite care facility	0.0	0.0	0.0	Div by 0	Div by 0	30% (+/-)	N/A	N/A
% suppliers	0.3	0.2	0.2	-26.09	-10.03	30% (+/-)	Yes	Yes
% transportation services	0.0	0.0	0.0	-100.00	Div by 0	30% (+/-)	Yes	N/A
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	2,383	2,691	2,981	12.92	10.78	30% (+/-)	Yes	Yes
% a sole proprietorship	17.2	17.2	17.4	-0.46	1.22	30% (+/-)	Yes	Yes
% not a sole proprietorship	73.9	77.0	77.5	4.14	0.73	30% (+/-)	Yes	Yes
% not answered	8.9	5.9	5.1	-33.69	-13.15	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	32	26	29	-18.75	11.54	30% (+/-)	Yes	Yes
% organization is a subpart	9.4	11.5	6.9	23.07	-40.23	30% (+/-)	Yes	No
% organization is not a subpart	68.8	76.9	79.3	11.89	3.10	30% (+/-)	Yes	Yes
% not answered	21.9	11.5	13.8	-47.25	19.55	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX All Provider Characteristics Validation Table

State: AK
Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
All Providers								
Number of provider IDs	17,486	17,632	24,328	0.83	37.98	30%(+/-)	Yes	No
% billing provider on IP claim	0.6	0.6	0.4	9.19	-27.50	N/A	N/A	N/A
% NPI billing provider on IP claim	0.6	0.6	0.4	7.32	-26.13	N/A	N/A	N/A
% billing provider on LT claim	0.5	0.4	0.3	-3.24	-31.19	N/A	N/A	N/A
% NPI billing provider on LT claim	0.4	0.4	0.3	-0.90	-32.11	N/A	N/A	N/A
% billing provider on OT claim	25.2	20.2	14.4	-19.89	-28.32	N/A	N/A	N/A
% servicing provider on OT claim	44.4	44.2	56.8	-0.44	28.61	N/A	N/A	N/A
% NPI servicing provider on OT claim	39.1	41.0	32.0	4.88	-21.96	N/A	N/A	N/A
% billing provider on RX claim	1.0	1.0	0.8	4.35	-26.71	N/A	N/A	N/A
% prescribing provider on RX claim	16.0	17.7	14.0	10.61	-20.63	N/A	N/A	N/A
% NPI billing provider on RX claim	1.0	1.0	0.8	4.35	-26.71	N/A	N/A	N/A
% billing provider	26.2	21.2	15.3	-19.07	-28.18	N/A	N/A	N/A
% NPI billing provider	1.9	2.0	1.5	3.29	-27.53	N/A	N/A	N/A
% servicing provider	44.4	44.2	56.8	-0.44	28.61	N/A	N/A	N/A
% NPI servicing provider	39.1	41.0	32.0	4.88	-21.96	N/A	N/A	N/A
% prescribing provider	16.0	17.7	14.0	10.61	-20.63	N/A	N/A	N/A
% provider IDs with NPI	78.8	79.9	62.5	1.41	-21.84	30%(+/-)	Yes	Yes
% provider IDs linked to NPPES	76.7	78.2	61.2	1.89	-21.63	30%(+/-)	Yes	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
average number of claims	769.0	879.0	705.4	14.30	-19.75	30%(+/-)	Yes	Yes
average number of beneficiaries with claims	114.6	127.9	100.1	11.63	-21.79	30%(+/-)	Yes	Yes
Provider IDs with NPI								
Number of provider IDs with NPI	13,782	14,093	15,198	2.26	7.84	30%(+/-)	Yes	Yes
% NPI source = MSIS	94.5	95.7	96.6	1.32	0.93	30%(+/-)	Yes	Yes
% NPI source = NPPES	5.5	4.3	3.4	-22.58	-20.78	30%(+/-)	Yes	Yes
% NPI source = state cross-reference file	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs Linked to NPPES								
Number of provider IDs linked to NPPES	13,413	13,780	14,900	2.74	8.13	30%(+/-)	Yes	Yes
% linked via NPI	94.3	95.6	96.5	1.38	0.96	30%(+/-)	Yes	Yes
% linked via Medicaid legacy provider ID	5.7	4.4	3.4	-22.83	-22.13	30%(+/-)	Yes	Yes
% linked via Medicare UPIN	0.0	0.0	0.1	-40.54	205.06	30%(+/-)	Yes	Yes
% with name prefix	30.9	31.2	31.9	1.12	2.38	30%(+/-)	Yes	Yes
% with first name	90.1	90.5	91.4	0.48	0.93	30%(+/-)	Yes	Yes
% with middle name	69.1	69.5	70.2	0.54	1.06	30%(+/-)	Yes	Yes
% with last name	90.1	90.5	91.4	0.48	0.93	30%(+/-)	Yes	Yes
% with name suffix	1.9	2.0	2.2	3.29	10.19	30%(+/-)	Yes	Yes
% male	47.9	47.3	47.0	-1.21	-0.59	30%(+/-)	Yes	Yes
% female	42.2	43.2	44.4	2.41	2.59	30%(+/-)	Yes	Yes
% with credential	76.1	76.6	78.1	0.66	1.91	30%(+/-)	Yes	Yes
% with business name	9.9	9.5	8.5	-4.42	-10.15	30%(+/-)	Yes	Yes
% with address line 1	100.0	100.0	99.9	0.00	-0.12	30%(+/-)	Yes	Yes
% with city	100.0	100.0	99.9	0.00	-0.12	30%(+/-)	Yes	Yes
% with state	100.0	100.0	99.9	0.00	-0.12	30%(+/-)	Yes	Yes
% state = claim file state code	61.1	60.7	58.5	-0.72	-3.64	30%(+/-)	Yes	Yes
% with zip code	100.0	100.0	99.9	0.00	-0.12	30%(+/-)	Yes	Yes
% with primary taxonomy	97.4	98.1	98.3	0.74	0.16	30%(+/-)	Yes	Yes

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

2009-2011 MAX All Provider Characteristics Validation Table

State: AK

Produced: 04/03/2013

Measure	2009 Value	2010 Value	2011 Value	% Change 2009-2010	% Change 2010-2011	Cross Year Expected Range	Cross Year 2009-2010 Within Range ^a	Cross Year 2010-2011 Within Range ^b
% with provider entity type = individual	90.1	90.5	91.4	0.48	0.93	30%(+/-)	Yes	Yes
% with provider entity type = organization	9.9	9.5	8.5	-4.42	-10.15	30%(+/-)	Yes	Yes
Provider IDs with or without NPI but linked to state provider file								
Number of provider IDs with or without NPI linked to state provider file	0	0	0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with NPPES Primary Taxonomy								
Number of provider IDs with NPPES primary taxonomy	13,062	13,519	14,641	3.50	8.30	30%(+/-)	Yes	Yes
% individual or group of individuals	91.5	91.7	92.2	0.19	0.51	30%(+/-)	Yes	Yes
% allopathic and osteopathic physicians	51.8	49.7	50.2	-4.17	0.99	30%(+/-)	Yes	Yes
% behavioral health and social service providers	3.6	3.8	3.9	5.41	1.10	30%(+/-)	Yes	Yes
% chiropractic providers	1.7	1.7	1.5	0.06	-11.22	30%(+/-)	Yes	Yes
% dental providers	5.4	5.5	5.2	1.13	-5.30	30%(+/-)	Yes	Yes
% dietary and nutritional service providers	0.3	0.3	0.3	-20.06	17.01	30%(+/-)	Yes	Yes
% emergency medical service providers	0.0	0.0	0.0	-77.42	-2.43	30%(+/-)	Yes	Yes
% eye and vision service providers	1.8	2.0	1.9	10.96	-3.94	30%(+/-)	Yes	Yes
% nursing service providers	1.8	2.2	2.1	19.89	-3.97	30%(+/-)	Yes	Yes
% nursing service-related providers	0.4	0.4	0.5	-5.08	30.68	30%(+/-)	Yes	Yes
% other service providers	6.2	6.2	5.9	-0.42	-5.57	30%(+/-)	Yes	Yes
% pharmacy service providers	0.1	0.1	0.0	-38.10	-8.06	30%(+/-)	Yes	Yes
% physician assistants and advanced practice nursing providers	11.2	12.3	13.1	9.92	6.17	30%(+/-)	Yes	Yes
% podiatric medicine and surgery service providers	0.3	0.3	0.3	-6.02	-10.07	30%(+/-)	Yes	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	4.6	5.0	5.1	9.04	1.06	30%(+/-)	Yes	Yes
% speech, language, and hearing service providers	1.5	1.6	1.7	6.24	1.93	30%(+/-)	Yes	Yes
% student health care	0.5	0.6	0.5	18.61	-12.20	30%(+/-)	Yes	Yes
% technologists, technicians, and other technical service providers	0.1	0.1	0.1	-23.38	50.49	30%(+/-)	Yes	Yes
% group of individuals with multi- or single specialty	0.0	0.0	0.0	Div by 0	Div by 0	30%(+/-)	N/A	N/A
% nonindividuals	8.5	8.3	7.8	-2.07	-5.61	30%(+/-)	Yes	Yes
% agencies	1.6	1.3	1.2	-20.31	-5.54	30%(+/-)	Yes	Yes
% ambulatory health care facilities	1.0	1.0	0.9	0.20	-9.65	30%(+/-)	Yes	Yes
% hospital units	0.1	0.1	0.1	-3.57	-7.25	30%(+/-)	Yes	Yes
% hospitals	0.9	1.0	0.9	6.05	-11.12	30%(+/-)	Yes	Yes
% laboratories	0.6	0.6	0.6	-0.97	4.57	30%(+/-)	Yes	Yes
% managed care organizations	0.0	0.0	0.0	0.00	36.60	30%(+/-)	Yes	Yes
% nursing and custodial care facilities	0.9	1.0	0.9	2.11	-4.84	30%(+/-)	Yes	Yes
% residential treatment facilities	0.5	0.5	0.4	0.99	-14.29	30%(+/-)	Yes	Yes
% respite care facility	0.1	0.1	0.1	-19.00	1.19	30%(+/-)	Yes	Yes
% suppliers	2.2	2.2	2.1	-1.04	-3.63	30%(+/-)	Yes	Yes
% transportation services	0.4	0.5	0.5	27.51	-2.61	30%(+/-)	Yes	Yes
% nonmedical	0.0	0.0	0.0	Div by 0	Div by 0	N/A	N/A	N/A
Provider IDs with Entity Type = Individual								
Number of provider IDs with entity type = individual	12,086	12,477	13,616	3.24	9.13	30%(+/-)	Yes	Yes
% a sole proprietorship	17.8	18.9	18.5	6.17	-2.36	30%(+/-)	Yes	Yes
% not a sole proprietorship	75.7	76.6	77.7	1.13	1.53	30%(+/-)	Yes	Yes
% not answered	6.4	4.5	3.8	-30.36	-16.21	N/A	N/A	N/A
Provider IDs with Entity Type = Organization								
Number of provider IDs with entity type = organization	1,327	1,303	1,266	-1.81	-2.84	30%(+/-)	Yes	Yes
% organization is a subpart	10.2	11.1	12.2	8.63	10.07	30%(+/-)	Yes	Yes
% organization is not a subpart	62.5	67.4	68.2	7.86	1.16	30%(+/-)	Yes	Yes
% not answered	27.4	21.6	19.7	-21.16	-8.80	N/A	N/A	N/A

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

a "Yes" signifies that either (1) the percent change between 2009 and 2010 is within the cross-year expected range or (2) both the 2009 and the 2010 values are less than 10. "No" signifies that both (1) the percent change between 2009 and 2010 is over or under the cross-year expected range and (2) either the 2009 or the 2010 value is greater than 10.

b "Yes" signifies that either (1) the percent change between 2010 and 2011 is within the cross-year expected range or (2) both the 2010 and the 2011 values are less than 10. "No" signifies that both (1) the percent change between 2010 and 2011 is over or under the cross-year expected range and (2) either the 2010 or the 2011 value is greater than 10.

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

MATHEMATICA Policy Research

www.mathematica-mpr.com

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

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

Mathematica® is a registered trademark of Mathematica Policy Research