Medicaid Analytic Extract Provider Characteristics (MAXPC)

State-Specific Validation Tables, 2010

Wyoming

May 31, 2013

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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.[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

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[1] 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: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
IP Providers					
Number of provider IDs	275	280	1.82	30% (+/-)	Yes
% billing provider on IP claim	51.3	50.4	-1.79	N/A	N/A
% NPI billing provider on IP claim	48.7	49.6	1.88	N/A	N/A
% also a provider on LT claim	20.0	13.9	-30.36	N/A	N/A
% also a provider on OT claim	47.3	51.8	9.55	N/A	N/A
% also a provider on RX claim	3.6	3.9	8.06	N/A	N/A
% provider IDs with NPI	100.0	100.0	0.00	30% (+/-)	Yes
% provider IDs linked to NPPES	100.0	100.0	0.00	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	117.6	112.0	-4.81	30% (+/-)	Yes
average number of beneficiaries with IP claims	96.0	92.8	-3.30	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	275	280	1.82	30% (+/-)	Yes
% NPI source = MSIS	100.0	100.0	0.00	30% (+/-)	Yes
% NPI source = NPPES	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
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	275	280	1.82	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	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	26.9	23.9	-11.07	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	99.6	96.4	-3.22	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
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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	274	270	-1.46	30% (+/-)	Yes
% individual or group of individuals	0.4	0.0	-100.00	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.4	0.0	-100.00	30% (+/-)	Yes
% behavioral health and social service providers	0.0	0.0	Div by 0	30% (+/-)	N/A

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

[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.

2009-2010 MAX IP Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[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	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	99.6	100.0	0.37	30% (+/-)	Yes
% agencies	0.0	0.0	Div by 0	30% (+/-)	N/A
% ambulatory health care facilities	0.0	0.7	Div by 0	30% (+/-)	N/A
% hospital units	0.7	0.0	-100.00	30% (+/-)	Yes
% hospitals	83.2	90.0	8.16	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	3.3	2.2	-32.36	30% (+/-)	Yes
% residential treatment facilities	11.3	6.3	-44.35	30% (+/-)	No
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	0.0	0.7	Div by 0	30% (+/-)	N/A
% transportation services	1.1	0.0	-100.00	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
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
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	275	280	1.82	30% (+/-)	Yes
% organization is a subpart	13.1	12.1	-7.24	30% (+/-)	Yes
% organization is not a subpart	67.3	75.0	11.49	30% (+/-)	Yes
% not answered	19.6	12.9	-34.52	N/A	N/A

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

[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.

2009-2010 MAX LT Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
LT Providers					
Number of provider IDs	216	176	-18.52	30% (+/-)	Yes
% billing provider on LT claim	53.7	50.6	-5.84	N/A	N/A
% NPI billing provider on LT claim	46.3	49.4	6.77	N/A	N/A
% also a provider on IP claim	25.5	22.2	-12.98	N/A	N/A
% also a provider on OT claim	25.9	23.3	-10.15	N/A	N/A
% also a provider on RX claim	2.8	1.1	-59.11	N/A	N/A
% provider IDs with NPI	99.5	100.0	0.47	30% (+/-)	Yes
% provider IDs linked to NPPES	99.5	100.0	0.47	30% (+/-)	Yes
% provider IDs with or without NPI but linked to state provider file	0.0	0.0	Div by 0	N/A	N/A
average number of LT claims	294.4	388.9	32.07	30% (+/-)	No
average number of beneficiaries with LT claims	33.9	36.1	6.55	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	215	176	-18.14	30% (+/-)	Yes
% NPI source = MSIS	100.0	100.0	0.00	30% (+/-)	Yes
% NPI source = NPPES	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
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	215	176	-18.14	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	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	66.0	69.3	4.95	30% (+/-)	Yes
% with zip code	100.0	100.0	0.00	30% (+/-)	Yes
% with primary taxonomy	99.5	93.2	-6.38	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
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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	214	164	-23.36	30% (+/-)	Yes
% individual or group of individuals	0.5	0.0	-100.00	30% (+/-)	Yes
% allopathic and osteopathic physicians	0.5	0.0	-100.00	30% (+/-)	Yes
% behavioral health and social service providers	0.0	0.0	Div by 0	30% (+/-)	N/A

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

[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.

2009-2010 MAX LT Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[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	0.0	Div by 0	30% (+/-)	N/A
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% podiatric medicine and surgery service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% respiratory, developmental, rehabilitative, and restorative service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	99.5	100.0	0.47	30% (+/-)	Yes
% agencies	0.0	0.0	Div by 0	30% (+/-)	N/A
% ambulatory health care facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospital units	14.0	14.6	4.39	30% (+/-)	Yes
% hospitals	8.4	13.4	59.49	30% (+/-)	No
% 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	40.7	51.2	25.99	30% (+/-)	Yes
% residential treatment facilities	35.5	20.7	-41.62	30% (+/-)	No
% 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	0.9	0.0	-100.00	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
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
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	215	176	-18.14	30% (+/-)	Yes
% organization is a subpart	14.4	20.5	41.86	30% (+/-)	No
% organization is not a subpart	55.3	60.2	8.81	30% (+/-)	Yes
% not answered	30.2	19.3	-36.10	N/A	N/A

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

[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.

2009-2010 MAX OT Servicing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
OT Providers					
Number of provider IDs	19,491	20,519	5.27	30% (+/-)	Yes
% billing provider on OT claim	11.6	10.5	-9.10	N/A	N/A
% servicing provider on OT claim	57.3	57.2	-0.16	N/A	N/A
% NPI servicing provider on OT claim	42.7	42.8	0.22	N/A	N/A
% also a provider on IP claim	0.2	0.2	-1.95	N/A	N/A
% also a provider on LT claim	0.1	0.1	-48.67	N/A	N/A
% also a provider on RX claim	28.7	29.3	2.16	N/A	N/A
% provider IDs with NPI	81.3	83.5	2.73	30% (+/-)	Yes
% provider IDs linked to NPPES	81.0	83.4	3.04	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	274.5	278.4	1.41	30% (+/-)	Yes
average number of beneficiaries with OT claims	47.3	46.7	-1.23	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	15,841	17,131	8.14	30% (+/-)	Yes
% NPI source = MSIS	97.7	97.7	-0.01	30% (+/-)	Yes
% NPI source = NPPES	2.3	2.3	0.49	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	15,779	17,117	8.48	30% (+/-)	Yes
% linked via NPI	97.7	97.7	0.00	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	2.2	2.3	0.80	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-52.00	30% (+/-)	Yes
% with name prefix	35.6	36.2	1.80	30% (+/-)	Yes
% with first name	91.0	91.4	0.42	30% (+/-)	Yes
% with middle name	68.1	68.5	0.62	30% (+/-)	Yes
% with last name	91.0	91.4	0.42	30% (+/-)	Yes
% with name suffix	1.8	1.9	3.22	30% (+/-)	Yes
% male	60.6	59.5	-1.75	30% (+/-)	Yes
% female	30.5	31.9	4.71	30% (+/-)	Yes
% with credential	87.3	87.2	-0.07	30% (+/-)	Yes
% with business name	9.0	8.1	-9.65	30% (+/-)	Yes
% with address line 1	100.0	99.5	-0.48	30% (+/-)	Yes
% with city	100.0	99.5	-0.48	30% (+/-)	Yes
% with state	100.0	99.5	-0.48	30% (+/-)	Yes
% state = OT state code	32.9	32.3	-1.72	30% (+/-)	Yes
% with zip code	100.0	99.5	-0.48	30% (+/-)	Yes
% with primary taxonomy	99.8	98.1	-1.67	30% (+/-)	Yes
% with provider entity type = individual	91.0	91.4	0.42	30% (+/-)	Yes
% with provider entity type = organization	9.0	8.1	-9.65	30% (+/-)	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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	15,782	16,794	6.41	30% (+/-)	Yes
% individual or group of individuals	90.7	93.4	2.98	30% (+/-)	Yes
% allopathic and osteopathic physicians	68.0	66.0	-3.03	30% (+/-)	Yes

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

[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.

2009-2010 MAX OT Servicing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
% behavioral health and social service providers	1.5	1.8	14.81	30% (+/-)	Yes
% chiropractic providers	0.4	0.3	-16.54	30% (+/-)	Yes
% dental providers	3.7	3.6	-2.98	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.1	42.11	30% (+/-)	Yes
% emergency medical service providers	0.1	0.1	79.37	30% (+/-)	Yes
% eye and vision service providers	1.9	1.8	-3.20	30% (+/-)	Yes
% nursing service providers	0.2	0.5	216.46	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.5	3.7	650.41	30% (+/-)	Yes
% pharmacy service providers	0.2	0.2	-2.72	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	11.0	11.4	4.10	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.4	0.5	11.67	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.5	1.7	14.28	30% (+/-)	Yes
% speech, language, and hearing service providers	0.5	0.8	51.39	30% (+/-)	Yes
% student health care	0.7	0.8	11.45	30% (+/-)	Yes
% technologists, technicians, and other technical service providers	0.1	0.2	203.51	30% (+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	9.3	6.6	-29.05	30% (+/-)	Yes
% agencies	3.4	1.7	-48.88	30% (+/-)	Yes
% ambulatory health care facilities	1.9	1.1	-43.10	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.3	0.5	63.76	30% (+/-)	Yes
% laboratories	0.5	0.5	-10.72	30% (+/-)	Yes
% managed care organizations	0.0	0.0	0.00	30% (+/-)	Yes
% nursing and custodial care facilities	0.2	0.2	8.48	30% (+/-)	Yes
% residential treatment facilities	0.1	0.0	-29.41	30% (+/-)	Yes
% respite care facility	0.0	0.1	Div by 0	30% (+/-)	N/A
% suppliers	2.3	2.0	-14.38	30% (+/-)	Yes
% transportation services	0.7	0.5	-19.17	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	14,366	15,649	8.93	30% (+/-)	Yes
% a sole proprietorship	15.6	17.1	9.77	30% (+/-)	Yes
% not a sole proprietorship	77.3	77.9	0.87	30% (+/-)	Yes
% not answered	7.2	5.0	-30.70	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	1,413	1,385	-1.98	30% (+/-)	Yes
% organization is a subpart	8.1	8.5	5.60	30% (+/-)	Yes
% organization is not a subpart	62.6	67.1	7.21	30% (+/-)	Yes
% not answered	29.3	24.3	-16.95	N/A	N/A

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

[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.

2009-2010 MAX OT Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
OT Providers					
Number of provider IDs	3,397	3,412	0.44	30% (+/-)	Yes
% billing provider on OT claim	100.0	100.0	0.00	N/A	N/A
% servicing provider on OT claim	66.4	63.3	-4.72	N/A	N/A
% NPI servicing provider on OT claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on IP claim	2.9	3.3	13.49	N/A	N/A
% also a provider on LT claim	1.0	0.9	-15.08	N/A	N/A
% also a provider on RX claim	12.8	12.4	-2.97	N/A	N/A
% provider IDs with NPI	37.8	39.0	3.13	30% (+/-)	Yes
% provider IDs linked to NPPES	37.7	39.0	3.29	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	787.7	860.3	9.21	30% (+/-)	Yes
average number of beneficiaries with OT claims	103.6	111.2	7.34	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	1,283	1,329	3.59	30% (+/-)	Yes
% NPI source = MSIS	80.5	78.6	-2.34	30% (+/-)	Yes
% NPI source = NPPES	19.5	21.4	9.66	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	1,281	1,329	3.75	30% (+/-)	Yes
% linked via NPI	80.5	78.6	-2.30	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	19.5	21.4	9.49	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	26.4	24.5	-7.32	30% (+/-)	Yes
% with first name	43.9	42.6	-2.93	30% (+/-)	Yes
% with middle name	38.0	37.4	-1.63	30% (+/-)	Yes
% with last name	43.9	42.6	-2.93	30% (+/-)	Yes
% with name suffix	1.9	1.8	-3.63	30% (+/-)	Yes
% male	28.4	26.2	-7.85	30% (+/-)	Yes
% female	15.5	16.4	6.12	30% (+/-)	Yes
% with credential	37.9	36.3	-4.40	30% (+/-)	Yes
% with business name	56.1	56.8	1.22	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.60	30% (+/-)	Yes
% with city	100.0	99.4	-0.60	30% (+/-)	Yes
% with state	100.0	99.4	-0.60	30% (+/-)	Yes
% state = OT state code	73.1	71.3	-2.48	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.60	30% (+/-)	Yes
% with primary taxonomy	99.8	96.2	-3.61	30% (+/-)	Yes
% with provider entity type = individual	43.9	42.6	-2.93	30% (+/-)	Yes
% with provider entity type = organization	56.1	56.8	1.22	30% (+/-)	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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	1,280	1,278	-0.16	30% (+/-)	Yes
% individual or group of individuals	47.4	55.8	17.65	30% (+/-)	Yes
% allopathic and osteopathic physicians	17.7	17.2	-2.50	30% (+/-)	Yes

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

[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.

2009-2010 MAX OT Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
% behavioral health and social service providers	4.3	3.7	-14.41	30% (+/-)	Yes
% chiropractic providers	1.1	1.2	7.31	30% (+/-)	Yes
% dental providers	13.9	13.5	-3.21	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.2	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.1	0.2	201.28	30% (+/-)	Yes
% eye and vision service providers	5.8	5.0	-13.37	30% (+/-)	Yes
% nursing service providers	0.0	1.0	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.1	Div by 0	30% (+/-)	N/A
% other service providers	0.7	6.3	801.56	30% (+/-)	Yes
% pharmacy service providers	0.1	0.1	0.00	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	1.5	1.7	15.97	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.8	0.8	0.13	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.0	2.4	138.78	30% (+/-)	Yes
% speech, language, and hearing service providers	0.5	2.3	314.81	30% (+/-)	Yes
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.2	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	52.6	44.2	-15.92	30% (+/-)	Yes
% agencies	20.6	12.1	-41.58	30% (+/-)	No
% ambulatory health care facilities	7.0	6.4	-8.75	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	8.6	9.7	12.90	30% (+/-)	Yes
% laboratories	1.3	1.0	-18.64	30% (+/-)	Yes
% managed care organizations	0.1	0.1	0.00	30% (+/-)	Yes
% nursing and custodial care facilities	2.0	2.3	11.72	30% (+/-)	Yes
% residential treatment facilities	0.2	0.5	100.43	30% (+/-)	Yes
% respite care facility	0.0	0.5	Div by 0	30% (+/-)	N/A
% suppliers	8.8	8.2	-6.10	30% (+/-)	Yes
% transportation services	4.0	3.4	-13.58	30% (+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	562	566	0.71	30% (+/-)	Yes
% a sole proprietorship	56.2	58.7	4.32	30% (+/-)	Yes
% not a sole proprietorship	37.7	36.4	-3.52	30% (+/-)	Yes
% not answered	6.1	4.9	-18.23	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	719	755	5.01	30% (+/-)	Yes
% organization is a subpart	8.2	9.1	11.37	30% (+/-)	Yes
% organization is not a subpart	67.3	71.4	6.05	30% (+/-)	Yes
% not answered	24.5	19.5	-20.46	N/A	N/A

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

[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.

2009-2010 MAX RX Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
RX Providers					
Number of provider IDs	4,947	5,401	9.18	30% (+/-)	Yes
% billing provider on RX claim	4.2	3.9	-7.52	N/A	N/A
% prescribing provider on RX claim	0.8	0.0	-95.30	N/A	N/A
% NPI billing provider on RX claim	95.8	96.1	0.33	N/A	N/A
% also a provider on IP claim	0.1	0.2	18.44	N/A	N/A
% also a provider on LT claim	0.1	0.0	-54.32	N/A	N/A
% also a provider on OT claim	63.3	62.7	-1.04	N/A	N/A
% provider IDs with NPI	97.6	97.8	0.21	30% (+/-)	Yes
% provider IDs linked to NPPES	96.9	97.6	0.70	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	226.9	212.8	-6.21	30% (+/-)	Yes
average number of beneficiaries with RX claims	38.2	36.3	-4.76	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	4,827	5,281	9.41	30% (+/-)	Yes
% NPI source = MSIS	98.5	98.5	-0.01	30% (+/-)	Yes
% NPI source = NPPES	1.5	1.5	0.41	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	4,796	5,273	9.95	30% (+/-)	Yes
% linked via NPI	98.5	98.5	0.00	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	1.5	1.5	-0.07	30% (+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	Div by 0	30% (+/-)	N/A
% with name prefix	40.3	40.6	0.60	30% (+/-)	Yes
% with first name	95.3	95.6	0.29	30% (+/-)	Yes
% with middle name	75.1	75.7	0.91	30% (+/-)	Yes
% with last name	95.3	95.6	0.29	30% (+/-)	Yes
% with name suffix	2.1	2.0	-4.51	30% (+/-)	Yes
% male	60.4	58.5	-3.14	30% (+/-)	Yes
% female	34.9	37.1	6.23	30% (+/-)	Yes
% with credential	92.6	92.9	0.29	30% (+/-)	Yes
% with business name	4.7	3.8	-19.55	30% (+/-)	Yes
% with address line 1	100.0	99.4	-0.64	30% (+/-)	Yes
% with city	100.0	99.4	-0.64	30% (+/-)	Yes
% with state	100.0	99.4	-0.64	30% (+/-)	Yes
% state = RX state code	34.4	32.2	-6.51	30% (+/-)	Yes
% with zip code	100.0	99.4	-0.64	30% (+/-)	Yes
% with primary taxonomy	99.4	98.2	-1.25	30% (+/-)	Yes
% with provider entity type = individual	95.3	95.6	0.29	30% (+/-)	Yes
% with provider entity type = organization	4.7	3.8	-19.55	30% (+/-)	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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	4,782	5,178	8.28	30% (+/-)	Yes
% individual or group of individuals	96.3	97.2	0.98	30% (+/-)	Yes
% allopathic and osteopathic physicians	65.2	62.7	-3.74	30% (+/-)	Yes

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

[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.

2009-2010 MAX RX Billing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
% behavioral health and social service providers	0.6	0.6	1.98	30% (+/-)	Yes
% chiropractic providers	0.1	0.1	-7.20	30% (+/-)	Yes
% dental providers	7.2	6.6	-9.00	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.0	0.1	Div by 0	30% (+/-)	N/A
% eye and vision service providers	2.2	2.3	2.91	30% (+/-)	Yes
% nursing service providers	0.4	0.4	8.73	30% (+/-)	Yes
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.8	2.0	164.47	30% (+/-)	Yes
% pharmacy service providers	0.4	1.1	154.07	30% (+/-)	Yes
% physician assistants and advanced practice nursing providers	17.4	18.8	7.77	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.4	0.5	23.14	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.3	0.2	-23.11	30% (+/-)	Yes
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	1.4	1.9	35.72	30% (+/-)	Yes
% 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	3.7	2.8	-25.37	30% (+/-)	Yes
% agencies	0.1	0.0	-77.38	30% (+/-)	Yes
% ambulatory health care facilities	0.8	0.4	-51.44	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.2	0.2	-7.83	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.0	0.0	-9.52	30% (+/-)	Yes
% nursing and custodial care facilities	0.0	0.0	Div by 0	30% (+/-)	N/A
% residential treatment facilities	0.1	0.0	-100.00	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	2.4	2.1	-14.75	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
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	4,571	5,040	10.26	30% (+/-)	Yes
% a sole proprietorship	18.1	17.6	-2.61	30% (+/-)	Yes
% not a sole proprietorship	73.6	77.2	5.02	30% (+/-)	Yes
% not answered	8.4	5.1	-38.51	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	225	199	-11.56	30% (+/-)	Yes
% organization is a subpart	12.9	10.1	-22.03	30% (+/-)	Yes
% organization is not a subpart	67.6	75.4	11.58	30% (+/-)	Yes
% not answered	19.6	14.6	-25.48	N/A	N/A

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

[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.

2009-2010 MAX RX Prescribing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
RX Providers					
Number of provider IDs	2,860	3,065	7.17	30% (+/-)	Yes
% billing provider on RX claim	1.4	0.1	-95.23	N/A	N/A
% prescribing provider on RX claim	100.0	100.0	0.00	N/A	N/A
% NPI billing provider on RX claim	0.0	0.0	Div by 0	N/A	N/A
% also a provider on IP claim	0.1	0.1	-38.10	N/A	N/A
% also a provider on LT claim	0.1	0.0	-100.00	N/A	N/A
% also a provider on OT claim	86.8	86.6	-0.26	N/A	N/A
% provider IDs with NPI	48.4	52.5	8.49	30% (+/-)	Yes
% provider IDs linked to NPPES	48.2	52.5	8.89	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 RX claims	257.5	188.6	-26.77	30% (+/-)	Yes
average number of beneficiaries with RX claims	48.7	40.0	-17.93	30% (+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	1,383	1,608	16.27	30% (+/-)	Yes
% NPI source = MSIS	85.4	85.8	0.43	30% (+/-)	Yes
% NPI source = NPPES	14.6	14.2	-2.50	30% (+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	1,378	1,608	16.69	30% (+/-)	Yes
% linked via NPI	85.3	85.8	0.49	30% (+/-)	Yes
% linked via Medicaid legacy provider ID	14.6	14.2	-2.79	30% (+/-)	Yes
% linked via Medicare UPIN	0.1	0.1	-15.07	30% (+/-)	Yes
% with name prefix	42.4	41.6	-1.83	30% (+/-)	Yes
% with first name	95.3	97.3	2.08	30% (+/-)	Yes
% with middle name	76.9	79.4	3.26	30% (+/-)	Yes
% with last name	95.3	97.3	2.08	30% (+/-)	Yes
% with name suffix	2.0	1.9	-4.75	30% (+/-)	Yes
% male	64.2	63.2	-1.41	30% (+/-)	Yes
% female	31.1	34.0	9.27	30% (+/-)	Yes
% with credential	93.6	94.9	1.37	30% (+/-)	Yes
% with business name	4.7	2.4	-49.90	30% (+/-)	Yes
% with address line 1	100.0	99.6	-0.37	30% (+/-)	Yes
% with city	100.0	99.6	-0.37	30% (+/-)	Yes
% with state	100.0	99.6	-0.37	30% (+/-)	Yes
% state = RX state code	53.6	51.1	-4.67	30% (+/-)	Yes
% with zip code	100.0	99.6	-0.37	30% (+/-)	Yes
% with primary taxonomy	100.0	98.6	-1.37	30% (+/-)	Yes
% with provider entity type = individual	95.3	97.3	2.08	30% (+/-)	Yes
% with provider entity type = organization	4.7	2.4	-49.90	30% (+/-)	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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	1,383	1,586	14.68	30% (+/-)	Yes
% individual or group of individuals	97.5	99.2	1.74	30% (+/-)	Yes
% allopathic and osteopathic physicians	62.5	64.2	2.74	30% (+/-)	Yes

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

[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.

2009-2010 MAX RX Prescribing Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
% behavioral health and social service providers	0.1	0.3	73.79	30% (+/-)	Yes
% chiropractic providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% dental providers	14.2	12.1	-15.01	30% (+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% emergency medical service providers	0.1	0.1	75.00	30% (+/-)	Yes
% eye and vision service providers	5.3	4.7	-10.40	30% (+/-)	Yes
% nursing service providers	0.0	0.2	Div by 0	30% (+/-)	N/A
% nursing service-related providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% other service providers	0.5	1.4	174.11	30% (+/-)	Yes
% pharmacy service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% physician assistants and advanced practice nursing providers	14.0	15.3	8.78	30% (+/-)	Yes
% podiatric medicine and surgery service providers	0.7	0.9	35.64	30% (+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	0.1	0.1	-13.10	30% (+/-)	Yes
% speech, language, and hearing service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% student health care	0.0	0.0	Div by 0	30% (+/-)	N/A
% technologists, technicians, and other technical service providers	0.0	0.0	Div by 0	30% (+/-)	N/A
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30% (+/-)	N/A
% nonindividuals	2.5	0.8	-69.20	30% (+/-)	Yes
% agencies	0.2	0.0	-100.00	30% (+/-)	Yes
% ambulatory health care facilities	0.2	0.4	74.19	30% (+/-)	Yes
% hospital units	0.0	0.0	Div by 0	30% (+/-)	N/A
% hospitals	0.1	0.2	30.34	30% (+/-)	Yes
% laboratories	0.0	0.0	Div by 0	30% (+/-)	N/A
% managed care organizations	0.1	0.1	-12.50	30% (+/-)	Yes
% nursing and custodial care facilities	0.0	0.1	Div by 0	30% (+/-)	N/A
% residential treatment facilities	0.2	0.0	-100.00	30% (+/-)	Yes
% respite care facility	0.0	0.0	Div by 0	30% (+/-)	N/A
% suppliers	1.6	0.1	-96.04	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
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	1,313	1,564	19.12	30% (+/-)	Yes
% a sole proprietorship	19.3	17.6	-8.42	30% (+/-)	Yes
% not a sole proprietorship	74.1	77.0	3.97	30% (+/-)	Yes
% not answered	6.6	5.3	-19.91	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	65	38	-41.54	30% (+/-)	No
% organization is a subpart	12.3	2.6	-78.62	30% (+/-)	No
% organization is not a subpart	69.2	60.5	-12.57	30% (+/-)	Yes
% not answered	18.5	36.8	99.56	N/A	N/A

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

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2009-2010 MAX All Provider Characteristics Validation Table
State: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
All Providers					
Number of provider IDs	23,046	24,433	6.02	30%(+/-)	Yes
% billing provider on IP claim	0.6	0.6	-5.72	N/A	N/A
% NPI billing provider on IP claim	0.6	0.6	-2.07	N/A	N/A
% billing provider on LT claim	0.5	0.4	-27.63	N/A	N/A
% NPI billing provider on LT claim	0.4	0.4	-17.97	N/A	N/A
% billing provider on OT claim	14.7	14.0	-5.26	N/A	N/A
% servicing provider on OT claim	48.5	48.1	-0.87	N/A	N/A
% NPI servicing provider on OT claim	36.1	35.9	-0.48	N/A	N/A
% billing provider on RX claim	0.9	0.9	-4.81	N/A	N/A
% prescribing provider on RX claim	12.4	12.5	1.09	N/A	N/A
% NPI billing provider on RX claim	20.6	21.3	3.32	N/A	N/A
% billing provider	16.1	15.1	-6.01	N/A	N/A
% NPI billing provider	21.4	22.1	2.87	N/A	N/A
% servicing provider	48.5	48.1	-0.87	N/A	N/A
% NPI servicing provider	36.1	35.9	-0.48	N/A	N/A
% prescribing provider	12.4	12.5	1.09	N/A	N/A
% provider IDs with NPI	78.4	80.2	2.38	30%(+/-)	Yes
% provider IDs linked to NPPES	78.0	80.1	2.74	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	372.6	380.2	2.02	30%(+/-)	Yes
average number of beneficiaries with claims	56.2	56.2	-0.01	30%(+/-)	Yes
Provider IDs with NPI					
Number of provider IDs with NPI	18,060	19,602	8.54	30%(+/-)	Yes
% NPI source = MSIS	96.9	96.6	-0.28	30%(+/-)	Yes
% NPI source = NPPES	3.1	3.4	8.54	30%(+/-)	Yes
% NPI source = state cross-reference file	0.0	0.0	Div by 0	N/A	N/A
Provider IDs Linked to NPPES					
Number of provider IDs linked to NPPES	17,976	19,581	8.93	30%(+/-)	Yes
% linked via NPI	96.8	96.6	-0.27	30%(+/-)	Yes
% linked via Medicaid legacy provider ID	3.1	3.4	8.64	30%(+/-)	Yes
% linked via Medicare UPIN	0.0	0.0	-46.43	30%(+/-)	Yes
% with name prefix	35.2	35.8	1.65	30%(+/-)	Yes
% with first name	88.5	89.0	0.55	30%(+/-)	Yes
% with middle name	66.5	67.2	0.98	30%(+/-)	Yes
% with last name	88.5	89.0	0.55	30%(+/-)	Yes
% with name suffix	1.8	1.8	1.17	30%(+/-)	Yes
% male	58.2	57.2	-1.81	30%(+/-)	Yes
% female	30.3	31.8	5.09	30%(+/-)	Yes
% with credential	84.9	85.0	0.11	30%(+/-)	Yes
% with business name	11.5	10.5	-8.64	30%(+/-)	Yes
% with address line 1	100.0	99.5	-0.51	30%(+/-)	Yes
% with city	100.0	99.5	-0.51	30%(+/-)	Yes
% with state	100.0	99.5	-0.51	30%(+/-)	Yes
% state = claim file state code	31.6	31.1	-1.69	30%(+/-)	Yes
% with zip code	100.0	99.5	-0.51	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: WY
Produced: 02/28/2013

Measure	2009 Value	2010 Value	% Change 2009-2010	Cross Year Expected Range	Cross Year Within Range[a]
% with primary taxonomy	99.7	98.1	-1.58	30%(+/-)	Yes
% with provider entity type = individual	88.5	89.0	0.55	30%(+/-)	Yes
% with provider entity type = organization	11.5	10.5	-8.64	30%(+/-)	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	Div by 0	N/A	N/A
Provider IDs with NPPES Primary Taxonomy					
Number of provider IDs with NPPES primary taxonomy	17,962	19,210	6.95	30%(+/-)	Yes
% individual or group of individuals	88.8	91.5	3.08	30%(+/-)	Yes
% allopathic and osteopathic physicians	65.1	63.2	-2.91	30%(+/-)	Yes
% behavioral health and social service providers	1.5	1.7	13.62	30%(+/-)	Yes
% chiropractic providers	0.4	0.3	-15.89	30%(+/-)	Yes
% dental providers	4.1	3.9	-4.84	30%(+/-)	Yes
% dietary and nutritional service providers	0.0	0.0	42.42	30%(+/-)	Yes
% emergency medical service providers	0.1	0.1	85.71	30%(+/-)	Yes
% eye and vision service providers	1.8	1.7	-1.77	30%(+/-)	Yes
% nursing service providers	0.2	0.5	130.94	30%(+/-)	Yes
% nursing service-related providers	0.0	0.0	Div by 0	30%(+/-)	N/A
% other service providers	0.6	3.5	456.41	30%(+/-)	Yes
% pharmacy service providers	0.3	0.4	61.90	30%(+/-)	Yes
% physician assistants and advanced practice nursing providers	11.6	12.2	5.39	30%(+/-)	Yes
% podiatric medicine and surgery service providers	0.4	0.4	8.87	30%(+/-)	Yes
% respiratory, developmental, rehabilitative, and restorative service providers	1.4	1.5	14.26	30%(+/-)	Yes
% speech, language, and hearing service providers	0.5	0.7	50.74	30%(+/-)	Yes
% student health care	0.9	1.0	13.92	30%(+/-)	Yes
% technologists, technicians, and other technical service providers	0.1	0.2	202.00	30%(+/-)	Yes
% group of individuals with multi- or single specialty	0.0	0.0	Div by 0	30%(+/-)	N/A
% nonindividuals	11.2	8.5	-24.28	30%(+/-)	Yes
% agencies	3.1	1.6	-47.87	30%(+/-)	Yes
% ambulatory health care facilities	1.8	1.1	-38.84	30%(+/-)	Yes
% hospital units	0.2	0.1	-25.15	30%(+/-)	Yes
% hospitals	1.5	1.7	11.18	30%(+/-)	Yes
% laboratories	0.5	0.4	-11.09	30%(+/-)	Yes
% managed care organizations	0.0	0.0	-9.09	30%(+/-)	Yes
% nursing and custodial care facilities	0.6	0.5	-7.52	30%(+/-)	Yes
% residential treatment facilities	0.5	0.2	-51.52	30%(+/-)	Yes
% respite care facility	0.0	0.1	Div by 0	30%(+/-)	N/A
% suppliers	2.6	2.3	-12.44	30%(+/-)	Yes
% transportation services	0.6	0.5	-19.63	30%(+/-)	Yes
% nonmedical	0.0	0.0	Div by 0	N/A	N/A
Provider IDs with Entity Type = Individual					
Number of provider IDs with entity type = individual	15,909	17,425	9.53	30%(+/-)	Yes
% a sole proprietorship	16.2	17.5	8.17	30%(+/-)	Yes
% not a sole proprietorship	76.4	77.6	1.56	30%(+/-)	Yes
% not answered	7.5	5.0	-33.67	N/A	N/A
Provider IDs with Entity Type = Organization					
Number of provider IDs with entity type = organization	2,067	2,057	-0.48	30%(+/-)	Yes
% organization is a subpart	9.9	10.1	1.46	30%(+/-)	Yes
% organization is not a subpart	64.8	70.2	8.29	30%(+/-)	Yes
% not answered	25.3	19.8	-21.80	N/A	N/A

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

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