MEDICAID and ADULT VACCINATIONS: Coverage and Provider Reimbursement Policy for Non-Institutionalized Adults

National Adult and Influenza Immunization Summit (NAIIS)

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Disclosure

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• Alexandra Stewart is solely responsible for the study findings. Contents do not necessarily represent the official views of the U.S. Department of Health & Human Services.

• Project Manager: Megan Lindley
**Overview**

- Project Objectives & Methodology
- Medicaid Coverage and Cost-Sharing
- Reimbursement Policy
- Eligible Providers and Settings
- Provider Responses, Summary, Study Limitations
- Medicaid Expansion
- Recommendations

**Project Objectives**

Determine how Medicaid programs manage vaccinations for enrollees ages 19 through 64

- Coverage and cost-sharing
- Reimbursement for immunization services
- Providers eligible for reimbursement of vaccine administration
- Settings eligible for reimbursement of vaccine administration
- Recognize how changes in reimbursement policy could impact access to & delivery of recommended vaccinations for adult enrollees
Methodology

**Document Review**: (Fall 2011 – Spring 2012)
- Publicly available materials: coverage, reimbursement policies
- Data collected for 51/51 programs

**Survey**: (Spring 2012 – Fall 2012)
- Medicaid administrators in 50 states & DC
- QUERIED: Coverage design, reimbursement, program management
- Data collected for 42/51 programs (response rate= 82.4%)

MEDICAID COVERAGE OF ADULT VACCINES 2012
Medicaid

Publicly funded health insurance for the nation’s poorest people

PARTICIPATION:
• All states, District of Columbia, 5 Territories (Guam, American Samoa, Puerto Rico, U.S. Virgin Islands, Northern Mariana Islands)

ADULT ENROLLEES:
• 2012: 22 million ages 19 through 64 = 12% of all adults
• By 2017: 31 million¹

¹ Congressional Budget Office, Spending and enrollment detail for CBO’s February 2013 baseline: Medicaid. 2013

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Adult Medicaid Enrollees

Compared to privately insured adults, Medicaid enrollees have:
• Greater health care needs
• Higher health risks
• Lower rates of preventive care ¹
• Often cannot afford to purchase medical insurance & vaccination services in private market
• Without Medicaid, must rely on publicly funded vaccinations

¹ Kaiser Family Foundation, Medicaid - a primer, Kaiser Commission on Medicaid and the Uninsured. 2010
Medicaid

Vaccination services for adults are optional (for states that have not adopted ACA requirements). States determine policy surrounding:

- Which (if any) vaccines to cover
- Enrollee copayment
- Provider reimbursement
- Settings where vaccines may be administered

All programs except Florida cover at least one vaccine (50/51)

States Covering All ACIP Recommended Vaccines 2012 (n=36)

Covers all recommended vaccines

State does not cover any vaccines in 2012
<table>
<thead>
<tr>
<th>VACCINE</th>
<th>SUMMARY OF MEDICAID COVERAGE BY VACCINE 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLU</td>
<td>1 state does not cover (Florida)</td>
</tr>
<tr>
<td></td>
<td>• Most frequently covered vaccine. Most states cover intramuscular preservative &amp; preservative-free</td>
</tr>
<tr>
<td>PNEUMO</td>
<td>3 states do not cover (Florida, Georgia, S. Dakota)</td>
</tr>
<tr>
<td>TD/TDAP</td>
<td>4 states do not cover TD (Florida, Georgia, Mississippi, S. Carolina)</td>
</tr>
<tr>
<td></td>
<td>5 states do not cover TDAP (DC, Florida, Louisiana, Mississippi, S. Carolina)</td>
</tr>
<tr>
<td>HEP. A</td>
<td>4 states do not cover (Alabama, Florida, Louisiana, Mississippi)</td>
</tr>
<tr>
<td>HEP. B</td>
<td>2 states do not cover (Florida, Louisiana)</td>
</tr>
<tr>
<td></td>
<td>• Second-most frequently covered vaccine = intramuscular 90746</td>
</tr>
<tr>
<td>MMR</td>
<td>5 states do not cover (Florida, Georgia, Louisiana, Mississippi, S. Carolina)</td>
</tr>
<tr>
<td>MENING</td>
<td>4 states do not cover (Florida, Louisiana, Mississippi, Texas)</td>
</tr>
<tr>
<td>HPV</td>
<td>7 states do not cover (Alabama, Arizona, Arkansas, Florida, N. Dakota, S. Carolina, S. Dakota)</td>
</tr>
<tr>
<td></td>
<td>• 42/51 states cover quadrivalent 90649. 32/51 states cover bivalent 90650. Recommended in 2007</td>
</tr>
<tr>
<td>VARICELLA</td>
<td>8 states do not cover (Arkansas, Florida, Georgia, Louisiana, Mississippi, N. Dakota, S. Carolina, Texas)</td>
</tr>
<tr>
<td></td>
<td>• Second least frequently covered vaccine</td>
</tr>
<tr>
<td>ZOSTER</td>
<td>11 states do not cover (Arkansas, Colorado, DC, Florida, Louisiana, Mississippi, N. Dakota, Ohio, S. Carolina, Texas, Washington)</td>
</tr>
<tr>
<td></td>
<td>• Least frequently covered vaccine. Recommended in 2008</td>
</tr>
</tbody>
</table>

Deciding which vaccines to cover

Factors cited as 1st or 2nd most influential in decisions to cover vaccines (n=42)

- ACIP/CDC recommendation (n= 31)
- State health agency recommendation (n= 22)
- State/local health professional recommendation (n= 13)
- Interest from legislators/governor (n= 12)
- Interest from the public (n= 3)
- Unknown
- Other
  - IN: FDA Approval
  - OR: Oregon Health Evidence Review Commission recommendation
  - TN: Good public policy & good return on investment

Source: GWU/SPHHS Medicaid Benefit Design and Cost-sharing Policy 2013
Deciding which vaccines to exclude

Factors cited as 1st or 2nd most influential in decisions not to cover vaccines (n=23*)

- Cost (n= 10)
- No state health agency recommendation (n= 9)
- Need more long-term data (n= 6)
- Lack demand/interest from state/local health professionals (n= 5)
- Lack demand/interest from legislators/governor (n=3)
- Other (n= 2)
  - IN: No FDA approval
  - VA: No medical necessity
- Lack demand/interest from the public (n= 0)

* 19/42 responding states indicated that they currently cover all recommended vaccines. Therefore, they did not rank factors. 9/42 states cover all recommended vaccines, but still ranked factors.

Source: GWU/SPHHS Medicaid Benefit Design and Cost-sharing Policy 2013
MEDICAID COST-SHARING: ADULT IMMUNIZATION SERVICES 2012 (n= 51)

PERMITTED (N= 24)
- Alabama, Alaska, Arizona, California, Colorado, Georgia, Indiana, Iowa, Louisiana, Maine, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Vermont, Virginia

PROHIBITED (N= 21)

COST-SHARING NOT NOT ADDRESSED (N= 5)
- Delaware, Hawaii, New Hampshire, Texas, West Virginia

COST-SHARING POLICY NOT RELEVANT (N= 1)
- Florida

Medicaid Enrollee Cost-Sharing 2012

Adult vaccination services copayments:
- PERMIT COPAYMENTS: 25/51 programs
- PROHIBIT COPAYMENTS: 21/51 programs
- FAILS TO ADDRESS COPAYMENTS: 5/51 programs
- RANGE: $.50 - $3.00 depending on cost of services
  - (Louisiana) to $3.40 (Arizona)
  - $3.00 or 5% of the allowable amount the program permits a provider to bill (Alaska, South Dakota)
- AVERAGE MAXIMUM COPAYMENT: $2.81
MEDICAID REIMBURSEMENT:
ADULT IMMUNIZATIONS

Medicaid Reimbursement Policy

Programs must assure that:

1. Payments are consistent with efficiency, economy and quality of care

2. Payments must be sufficient to:
   – Enlist enough providers so that care and services are available,
   – At least to the extent that such care and services are available to the general population in the geographic area

Provider Reimbursement

Payment rates are based on:
1. Costs of providing the service
2. The amount private insurers pay
3. A percentage of the amount Medicare pays for equivalent services

To change reimbursement policy, states must:
1. Submit a State Plan Amendment (SPA)
2. For approval by the Centers of Medicare and Medicaid Services (CMS)
3. And issue a public notice before the amendments' effective date.

Provider Reimbursement

3 Categories of CPT Codes
1. Vaccine: n=22
2. Administration: n=5
-- Based on: injection, oral, nasal, # of vaccines administered during a visit
3. Visit: n=6
-- Based on: Patient age, new/established, comprehensive/Minor

5 Approaches to Reimbursement:
1. Vaccine + Administration
2. Vaccine + Visit
3. Vaccine Only
4. Vaccine + Visit + Administration
5. Vaccine + Visit OR Vaccine + Administration
Adult immunization reimbursement (n=51)

**APPROACH 1 Vaccine CPT + Administration CPT (n=28)**
Alabama, Alaska, Arkansas, California, Colorado, District of Columbia, Idaho, Kentucky, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Mexico, North Dakota, Oregon, Rhode Island, South Carolina, South Dakota, Texas, Vermont, Washington, Wyoming

**APPROACH 2 Vaccine CPT + Visit CPT (n=10)**
Connecticut, Delaware, Georgia, Illinois, Indiana, Maryland, Mississippi, Ohio, Pennsylvania, Wisconsin

**APPROACH 3 Vaccine Only CPT (n=5)** Hawaii, Kansas, New Jersey, Oklahoma, West Virginia

**APPROACH 4 Vaccine CPT + Visit CPT + Administration CPT (n=4)** Iowa, New York, North Carolina, Virginia

**APPROACH 5 Vaccine CPT + Visit CPT OR Vaccine CPT + Administration CPT (n=1)** Utah

**Managed Care Only = Arizona, Tennessee**

**Reimbursement not relevant = (n=1)** Florida

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1: TOTAL REIMBURSEMENT: Vaccine + Administration (N=28)
ADDITIONAL 90471: Injection, 1 vaccine (single or combination)

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLU 90656</th>
<th>PNEUMO 90732</th>
<th>HPV 90649</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>10.80 + 5.00 (90658) 15.80</td>
<td>65.77 + 5.00</td>
<td>No coverage</td>
</tr>
<tr>
<td>Alaska</td>
<td>16.74 + 34.79 = 51.53</td>
<td>No coverage</td>
<td>No coverage</td>
</tr>
<tr>
<td>Arkansas</td>
<td>13.12 + 1.60</td>
<td>12.34 + 1.60 = 13.94</td>
<td>No coverage</td>
</tr>
<tr>
<td>California</td>
<td>31.46 + 4.46</td>
<td>56.69 + 4.46</td>
<td>146.96 + 4.46</td>
</tr>
<tr>
<td>Colorado</td>
<td>17.44 + 6.33</td>
<td>74.83 + 6.33</td>
<td>156.82 + 6.33 = 163.15</td>
</tr>
<tr>
<td>DC</td>
<td>14.56 +10.00/22.45(90658)</td>
<td>13.51 + 10/22.45</td>
<td>Covered/No payment</td>
</tr>
<tr>
<td>Idaho</td>
<td>11.14 + 19.79</td>
<td>44.76 + 19.79</td>
<td>131.73 + 19.79</td>
</tr>
<tr>
<td>Kentucky</td>
<td>18.40 + 3.30</td>
<td>18.62 + 3.30</td>
<td>120.75 + 3.30</td>
</tr>
<tr>
<td>Louisiana</td>
<td>17.37 + 15.22</td>
<td>29.73 + 15.22</td>
<td>120.75 + 15.22</td>
</tr>
<tr>
<td>Maine</td>
<td>12.38 + 13.43</td>
<td>57.19 + 13.43</td>
<td>120.00 + 13.43</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>12.54 + 17.14</td>
<td>43.25 + 17.14</td>
<td>137.59 + 17.14</td>
</tr>
<tr>
<td>Michigan</td>
<td>12.38 + 7.00</td>
<td>65.77 + 7.00</td>
<td>138.09 + 7.00</td>
</tr>
<tr>
<td>Minnesota</td>
<td>12.37 + 18.13</td>
<td>Unknown + 18.13</td>
<td>Unknown + 18.13</td>
</tr>
<tr>
<td>Missouri</td>
<td>6.75 + 12.34</td>
<td>5.00 + 12.34</td>
<td>145.00 + 12.34</td>
</tr>
</tbody>
</table>
### 1: TOTAL REIMBURSEMENT: Vaccine + Administration (N=28) (cont’d)

**ADMINISTRATION 90471: Injection, 1 vaccine (single/ combination)**

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLU 90656</th>
<th>PNEUMO 90732</th>
<th>HPV 90649</th>
</tr>
</thead>
<tbody>
<tr>
<td>Montana</td>
<td>6.75 + 15.52</td>
<td>5.00 + 15.52</td>
<td>130.27 + 15.52</td>
</tr>
<tr>
<td>Nebraska</td>
<td>17.14 + 5.80</td>
<td>26.08 + 5.80</td>
<td>120.75 + 5.80</td>
</tr>
<tr>
<td>Nevada</td>
<td>62% usual charge+7.80</td>
<td>11.12 + 7.80</td>
<td>124.80 + 7.80</td>
</tr>
<tr>
<td>N Hampshire</td>
<td>13.68 + 3.05</td>
<td>16.50 + 3.05</td>
<td>25.00 + 3.05 (90650)=28.05</td>
</tr>
<tr>
<td>N Mexico</td>
<td>12.38 + 10.97</td>
<td>65.77 + 10.97</td>
<td>130.00 + 10.97</td>
</tr>
<tr>
<td>N Dakota</td>
<td>14.00 + 13.71 or 13.90</td>
<td>57.19 + 13.71</td>
<td>Not Covered</td>
</tr>
<tr>
<td>Oregon</td>
<td>12.38 + 16.41</td>
<td>65.77 + 16.41= 82.18</td>
<td>139.23 + 16.41</td>
</tr>
<tr>
<td>R Island</td>
<td>Unknown + 8.16</td>
<td>49.73 + 8.16</td>
<td>135.66 + 8.16</td>
</tr>
<tr>
<td>S Carolina</td>
<td>14.17 + 3.72 (90658)</td>
<td>49.36 + 3.72</td>
<td>Not covered</td>
</tr>
<tr>
<td>S Dakota</td>
<td>10.56 + 8.64 (90658)</td>
<td>Not covered</td>
<td>Not covered</td>
</tr>
<tr>
<td>Texas</td>
<td>13.87 + 7.84</td>
<td>49.64 + 7.84</td>
<td>137.27 + 7.84</td>
</tr>
<tr>
<td>Vermont</td>
<td>9.75 + 19.86</td>
<td>18.62 + 19.86</td>
<td>Pricing action code + 19.86</td>
</tr>
<tr>
<td>Wyoming</td>
<td>State supplied vx = $0; Private stock = invoice cost + 14.00 Physician 10.00 NPHP</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2: TOTAL REIMBURSEMENT: Vaccine + Visit (N=10)

**VISIT 99395: Established patient ages 18-39, Periodic Comprehensive preventive visit and ordering of immunizations**

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLU 90656</th>
<th>PNEUMO 90732</th>
<th>HPV 90649</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connecticut</td>
<td>16.57 + 78.54 = <em>95.11</em></td>
<td>27.03 + 78.54</td>
<td>126.42 + 78.54</td>
</tr>
<tr>
<td>Delaware</td>
<td>Manual pricing + 95.81</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Georgia</td>
<td>12.38 + 75.38</td>
<td>No coverage</td>
<td>16.50 + 75.38</td>
</tr>
<tr>
<td>Illinois</td>
<td>11.19+ 64.40</td>
<td>14.60 + 64.40</td>
<td><em>149.33 + 64.40 = 213.73</em></td>
</tr>
<tr>
<td>Indiana</td>
<td>10.74 + 61.69</td>
<td>60.58 + 61.69</td>
<td>137.59 + 61.69</td>
</tr>
<tr>
<td>Maryland</td>
<td>12.54 + 79.03</td>
<td>37.61 + 79.03</td>
<td>130.27 + 79.03</td>
</tr>
<tr>
<td>Mississippi</td>
<td>12.38 + 76.81</td>
<td>65.77 + 76.81= <em>142.58</em></td>
<td>142.60 + 16.09 (99211 only)</td>
</tr>
<tr>
<td>Ohio</td>
<td>18.19 + 56.62</td>
<td>37.60 + 56.62</td>
<td>10.00 + 56.62</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>10.00 + 20.00= <em>30.00</em></td>
<td>10.00 + 20.00=30.00</td>
<td>10.00 + 20.00(90650)=30.00</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>3.31 + 57.53</td>
<td>20.22 + 57.53</td>
<td>3.31 + 57.53</td>
</tr>
</tbody>
</table>
### 3: TOTAL REIMBURSEMENT: VACCINE ONLY (N=5)

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLU 90656</th>
<th>PNEUMO 90732</th>
<th>HPV 90649</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hawai’i</td>
<td>4.00</td>
<td>4.00</td>
<td>4.00</td>
</tr>
<tr>
<td>Kansas</td>
<td>26.48</td>
<td>65.00</td>
<td>135.00</td>
</tr>
<tr>
<td>New Jersey</td>
<td>20.64</td>
<td>35.76</td>
<td>165.49</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>11.97</td>
<td>55.34</td>
<td>127.71</td>
</tr>
<tr>
<td>West Virginia</td>
<td></td>
<td>DATA UNAVAILABLE</td>
<td></td>
</tr>
</tbody>
</table>

### 4: TOTAL REIMBURSEMENT: Vaccine + Administration + Visit (N=4)

**ADMINISTRATION 90471: Injection, 1 vaccine (single or combination)**

**VISIT 99395: Established patient ages 18-39, Periodic Comprehensive preventive medicine and ordering of immunizations**

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLU 90656</th>
<th>PNEUMO 90732</th>
<th>HPV 90649</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iowa</td>
<td>12.79 + 5.04 + 86.94 = 104.77</td>
<td>23.00 + 5.04 + 86.94 = 114.98</td>
<td>143.93 + 5.04 + 86.94 = 235.91</td>
</tr>
<tr>
<td>N York*</td>
<td>Acquisition Cost + 12.00 + No visit</td>
<td>Acquisition Cost + 2.00 + 39.64</td>
<td>Acquisition Cost + 2.00 + 39.64</td>
</tr>
<tr>
<td>N Carolina</td>
<td>16.75 + 13.71 + 84.13 = 114.59</td>
<td>31.53 + 13.71 + 84.13</td>
<td>135.73 + 13.71 + 84.13</td>
</tr>
<tr>
<td>Virginia</td>
<td>18.20 + 11.00 + 79.78</td>
<td>106.49 + 11.00 + 79.78 = 197.27</td>
<td>130.27 + 11.00 + 79.78 = 221.05</td>
</tr>
</tbody>
</table>

* New York does not reimburse a VISIT code for seasonal flu
5: TOTAL REIMBURSEMENT: Vaccine + Administration (N=1)

OR

Vaccine + Visit

ADMINISTRATION 90471: Injection, 1 vaccine (single or combination)
VISIT 99395: Established patient ages 18-39, Periodic Comprehensive preventive medicine and ordering of immunizations

<table>
<thead>
<tr>
<th>STATE</th>
<th>FLU 90656</th>
<th>PNEUMO 90732</th>
<th>HPV 90649</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utah</td>
<td>11.10 + 8.37(Admin)</td>
<td>28.69 + 8.37(Admin)</td>
<td>125.29 + 8.37(Admin)</td>
</tr>
<tr>
<td></td>
<td>11.10 + 16.12 (Visit)</td>
<td>28.69 + 16.12 (Visit)</td>
<td>125.29 + 16.12 (Visit)</td>
</tr>
</tbody>
</table>

Differential Payment Policy

Massachusetts

Higher reimbursement outside hospitals, skilled nursing facilities:

90472: Nonfacility setting: $8.37; Facility setting: $5.92
90473: Nonfacility setting: $11.33; Facility setting: $6.14
90474: Nonfacility setting: $7.14; Facility setting: $5.62

90471: Level reimbursement: $17.14

New York

Administration of flu or pneumococcal in office settings:

- Physicians: $13.23, Nurse practitioners/licensed midwives: $11.25

Seasonal intranasal flu in Clinics and Offices:

- Physicians: $8.57, nurse practitioners/licensed midwives $7.28

Wyoming

- Physicians: $14.00 for administration of any vaccine
- Non physicians: $10.00 for administration of any vaccine
ELIGIBLE PROVIDERS AND SETTINGS

ELIGIBLE PROVIDERS

- PRIMARY CARE = 41
  Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Hawai‘i, Idaho, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York, North Dakota, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, Wyoming

- NURSES = 27
  Arkansas, California, Colorado, Connecticut, District of Columbia, Hawaii, Idaho, Indiana, Iowa, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nevada, New Mexico, Oklahoma, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, Wyoming

- PHARMACISTS = 24
  Alabama, Arizona, Arkansas, California, Hawai‘i, Idaho, Louisiana, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New York, North Dakota, Oklahoma, Oregon, South Carolina, Texas, Utah, Vermont, Washington

- OTHER = 3
  Arkansas: Certified Nurse Midwife
  Oregon: Nurse Practitioner, Physician Assistant
  Texas: Certified Nurse Midwife, Certified Nurse Specialist, Nurse Practitioner, Physician Assistant
### ELIGIBLE SETTINGS

#### Hospitals 35
Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, DC, Georgia, Hawai’i, Idaho, Indiana, Iowa, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, Wyoming

#### State/Local Health Departments 35
Alabama, Alaska, Arizona, Arkansas, Colorado, Delaware, Georgia, Hawai’i, Idaho, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nevada, New Jersey, New Mexico, New York, North Dakota, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Utah, Virginia, Washington, Wyoming

#### Long-term Care 27
Arizona, California, Colorado, DC, Georgia, Idaho, Indiana, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Jersey, New Mexico, Oklahoma, Oregon, South Carolina, South Dakota, Tennessee, Utah, Vermont, Virginia, Wyoming

### ELIGIBLE SETTINGS (cont’d)

#### Maternal/Child Health Clinics 25
Arkansas, California, Colorado, Georgia, Idaho, Indiana, Iowa, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Nevada, New Jersey, New Mexico, New York, Oklahoma, South Carolina, South Dakota, Tennessee, Utah, Vermont, Virginia, Wyoming

#### STD Clinics 19
Alaska, Georgia, Idaho, Iowa, Louisiana, Maine, Maryland, Mississippi, Nevada, New Jersey, New York, North Dakota, Oklahoma, South Carolina, Tennessee, Texas, Utah, Vermont, Wyoming

#### Mobile Clinics 11
Arkansas, Colorado, Georgia, Indiana, Maine, Michigan, Minnesota, Nevada, New York, Utah, Virginia
## ELIGIBLE SETTINGS (cont’d)

<table>
<thead>
<tr>
<th>Community-Based Organizations 7</th>
<th>Georgia, Maine, Michigan, Nevada, Utah, Vermont, Wyoming</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other 6</strong></td>
<td></td>
</tr>
<tr>
<td>Arkansas</td>
<td>(rural health clinics, ambulatory surgical center)</td>
</tr>
<tr>
<td>Delaware</td>
<td>(FQHC)</td>
</tr>
<tr>
<td>DC</td>
<td>(FQHC, RHC)</td>
</tr>
<tr>
<td>Michigan</td>
<td>(Homeless shelter, Tribal 638 Freestanding, Homes, Assisted Living, Group Homes, Urgent Care, Military, FQHC, Residential Substance Abuse, RHC, Independent Clinics, Custodial Care)</td>
</tr>
<tr>
<td>Montana</td>
<td>(FQHC, RHC, Dialysis)</td>
</tr>
<tr>
<td>Texas</td>
<td>(County Indigent Care Health Programs, FQHC, Birthing Centers, Comprehensive Health Centers and Program Providers)</td>
</tr>
</tbody>
</table>

| Community Settings 5           | Hawai‘i, Maine, Nevada, Utah, Vermont                    |
Provider Responses to Medicaid Reimbursement

- Current rates diminish the ability to attract and retain sufficient numbers of providers*
- General Internal Medicine and adult primary care providers: Affects ability to offer immunization services


Summary

Coverage
- 50/51 states covered at least 1 vaccine (Florida did not cover any vaccines)
- 36 states covered all ACIP recommended vaccines
- COST = Primary reason for failure to cover a recommended vaccine
- Most frequently covered = Influenza (50/51)
- Least frequently covered = Zoster (40/51)

Cost-sharing
- COPAYMENTS: 24 states permit; 21 prohibit
- MOST FREQUENT COPAYMENT = $3.00 Maximum copayments = $3.40
Summary (cont’d)

Provider Reimbursement

Varies widely:
Based on vaccine, administration, visit, provider type, settings

5 approaches
1) Vaccine + Administration (28 states)
2) Vaccine + Visit (10 states)
3) Vaccine Only (5 states)
4) Vaccine + Visit + Administration (4 states) (highest reimbursement)
5) Vaccine + Visit OR Vaccine + Administration (1 state)

Limitations

• Excluded from this study: Data from the 5 Territories: American Samoa, Northern Mariana Islands, Guam, Puerto Rico, US Virgin Islands
• Data collection was confined to fee-for-service Medicaid & excluded managed care plans
  • 2013 - 71% of Medicaid enrollees participate in managed care
  • 2011 - 74% of Medicaid enrollees participate in managed care
• Data collection was conducted 2011-2012
• Study lacks a comparison mechanism: Lacks data on Medicare, private reimbursement, other public programs

MEDICAID EXPANSION

Medicaid Expansion as of March 2016 (n=32)
Required to cover all ACIP-recommended adult vaccines

MEDICAID EXPANSION STATES

Recommendations

Medicaid plays a vital role related to vaccine-preventable disease for over 20 million poor adults.

Program leadership might consider:
1) Increasing provider recruitment activities
2) Including vaccine administration in total reimbursement
3) Expanding categories of eligible providers
4) Including wide range of community settings eligible for reimbursement

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