



FFY 2013 Medicaid/CHIP Child Core Set Measures State-by-State Performance Chart Pack

November 2014

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OVERVIEW FIGURES

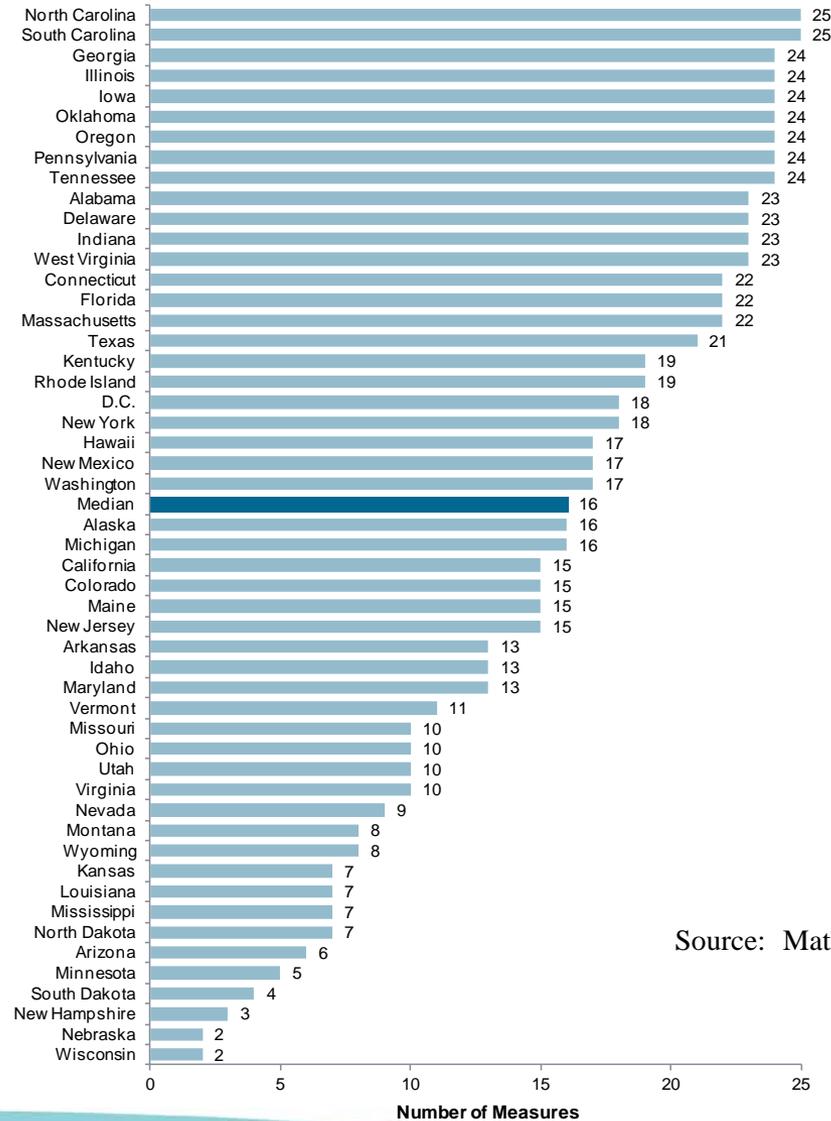
Number of States Reporting the Core Set of Medicaid/CHIP Children's Health Care Quality Measures, FFY 2013



Source: Mathematica analysis of FFY 2013 Child CARTS reports and Form CMS-416 reports.



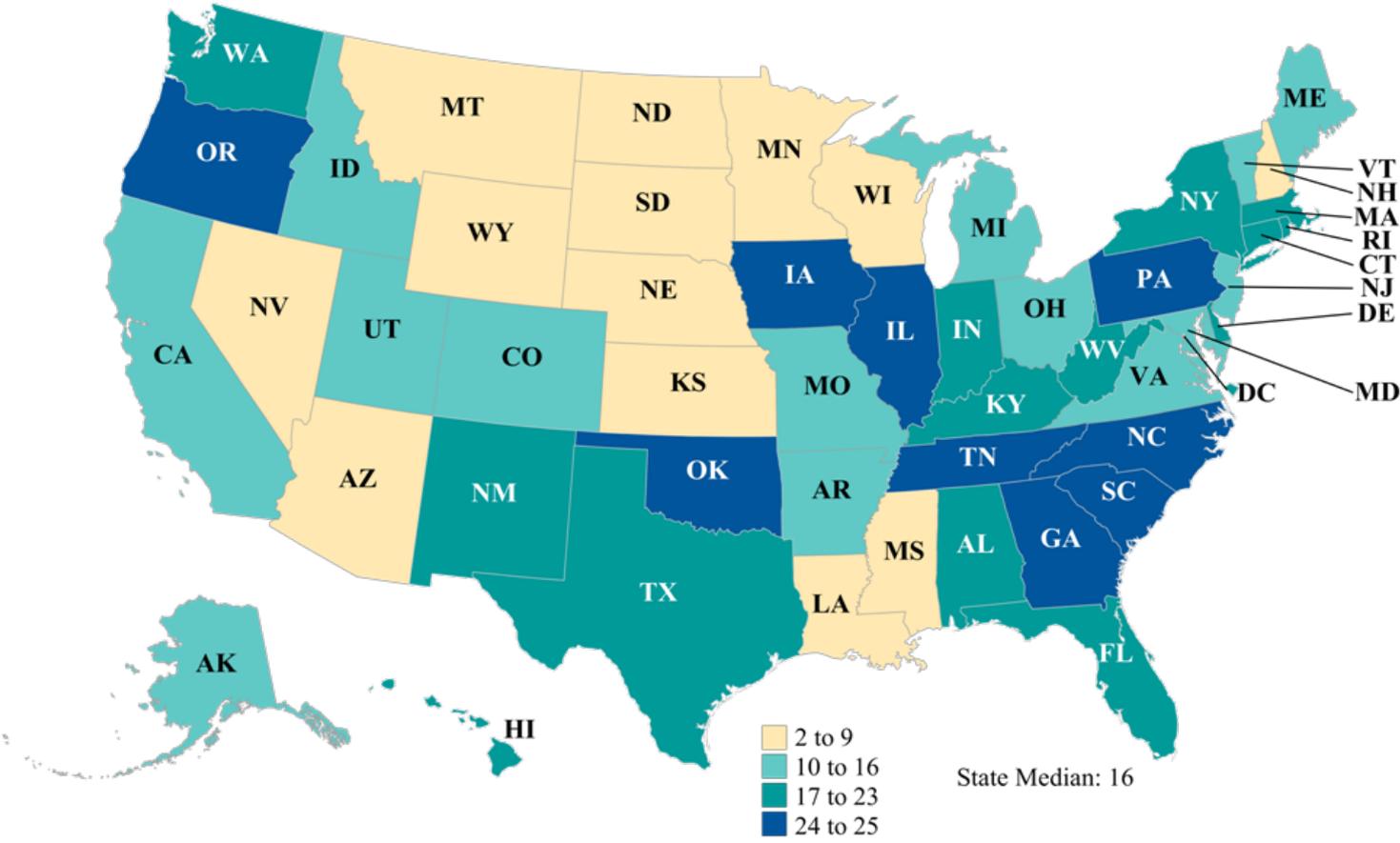
Number of Medicaid/CHIP Children's Health Care Quality Measures Reported by States, FFY 2013



Source: Mathematica analysis of FFY 2013 Child CARTS reports.



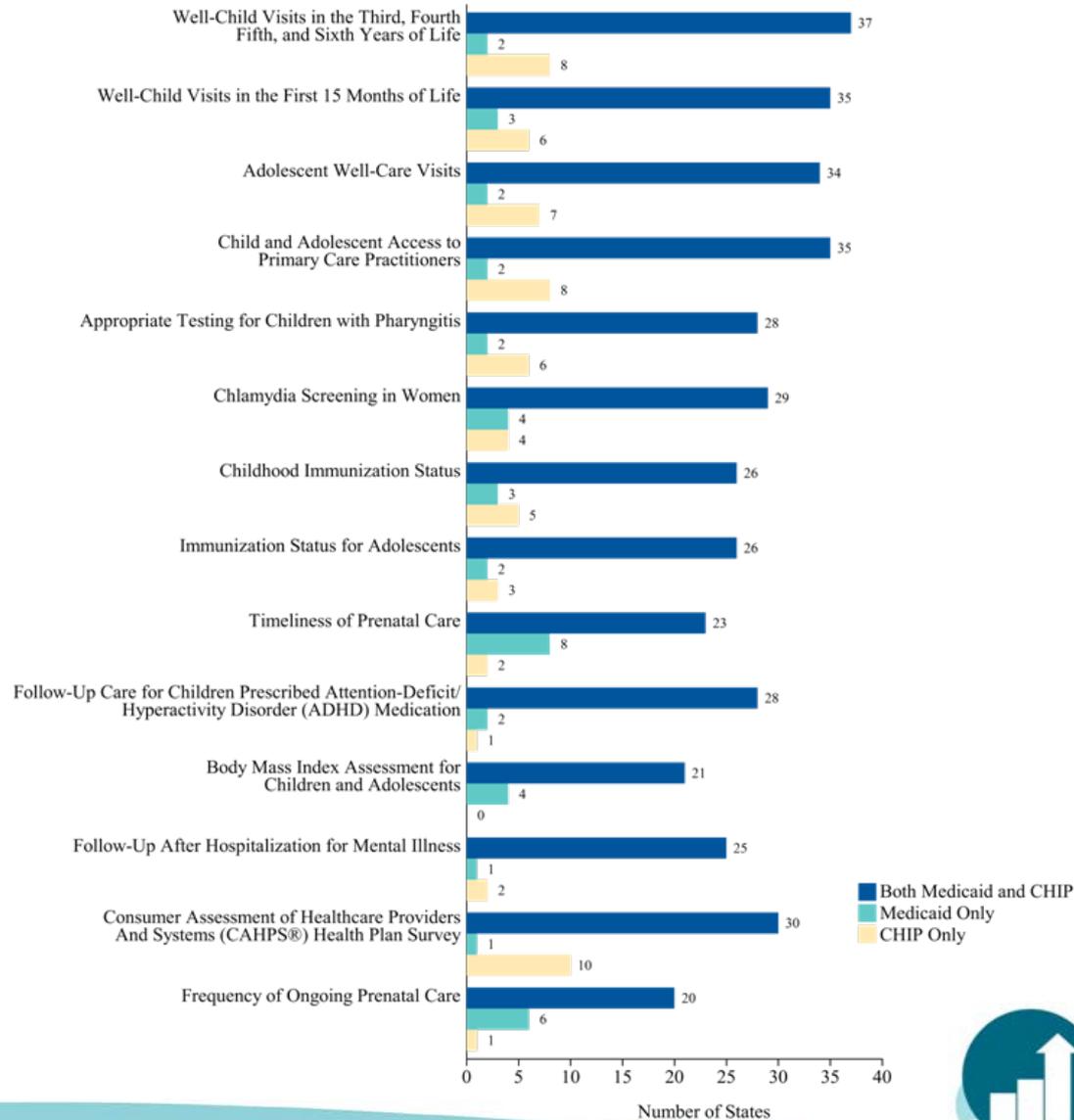
Geographic Variation in the Number of Medicaid/CHIP Children's Health Care Quality Measures Reported by States, FFY 2013



Source: Mathematica analysis of FFY 2013 Child CARTS reports and Form CMS-416 reports.



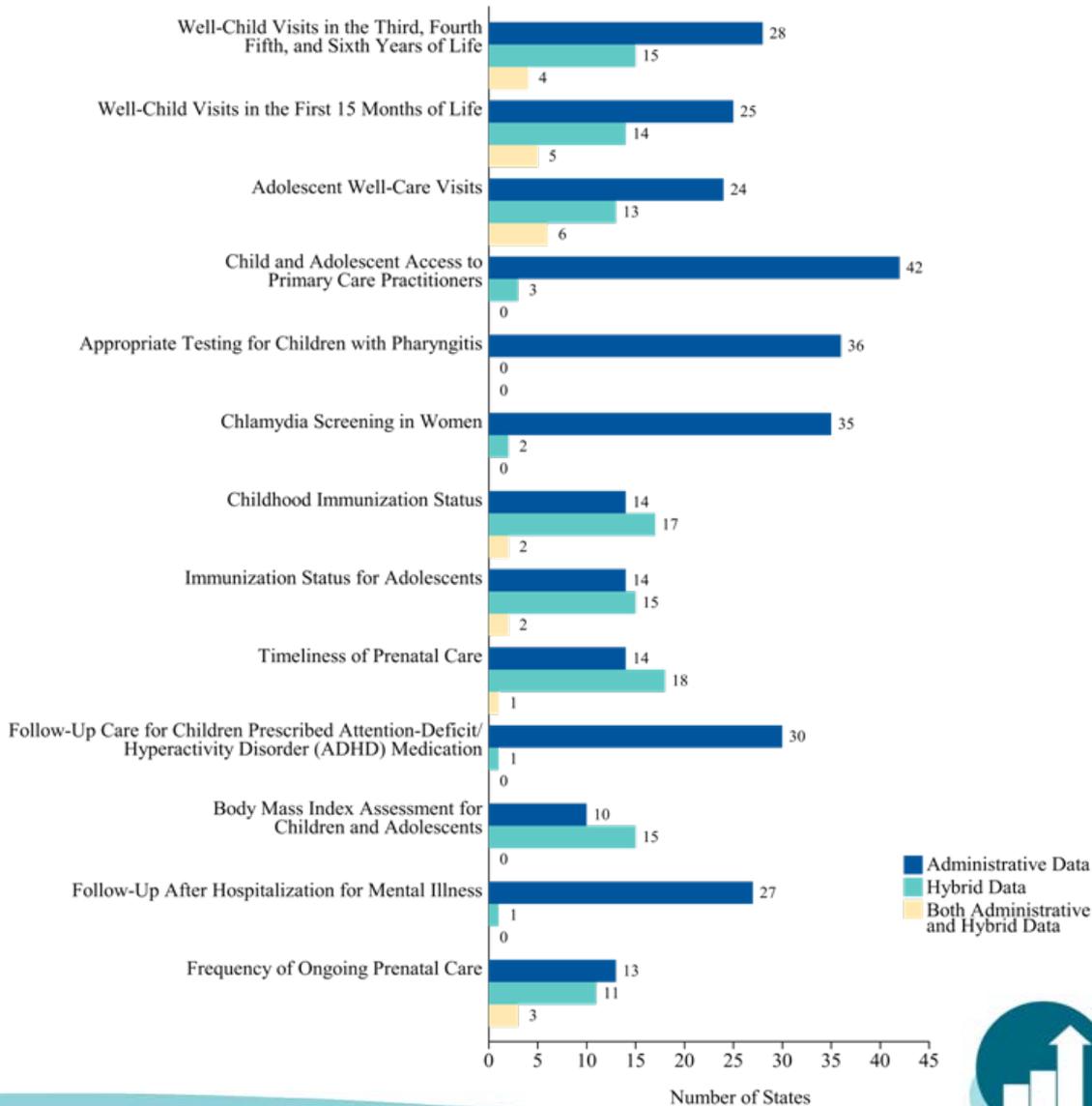
Populations Included in Frequently Reported Medicaid/CHIP Children's Health Care Quality Measures, FFY 2013



Source: Mathematica analysis of FFY 2013 Child CARTS reports.



Data Sources Used for Frequently Reported Medicaid/CHIP Children's Health Care Quality Measures, FFY 2013

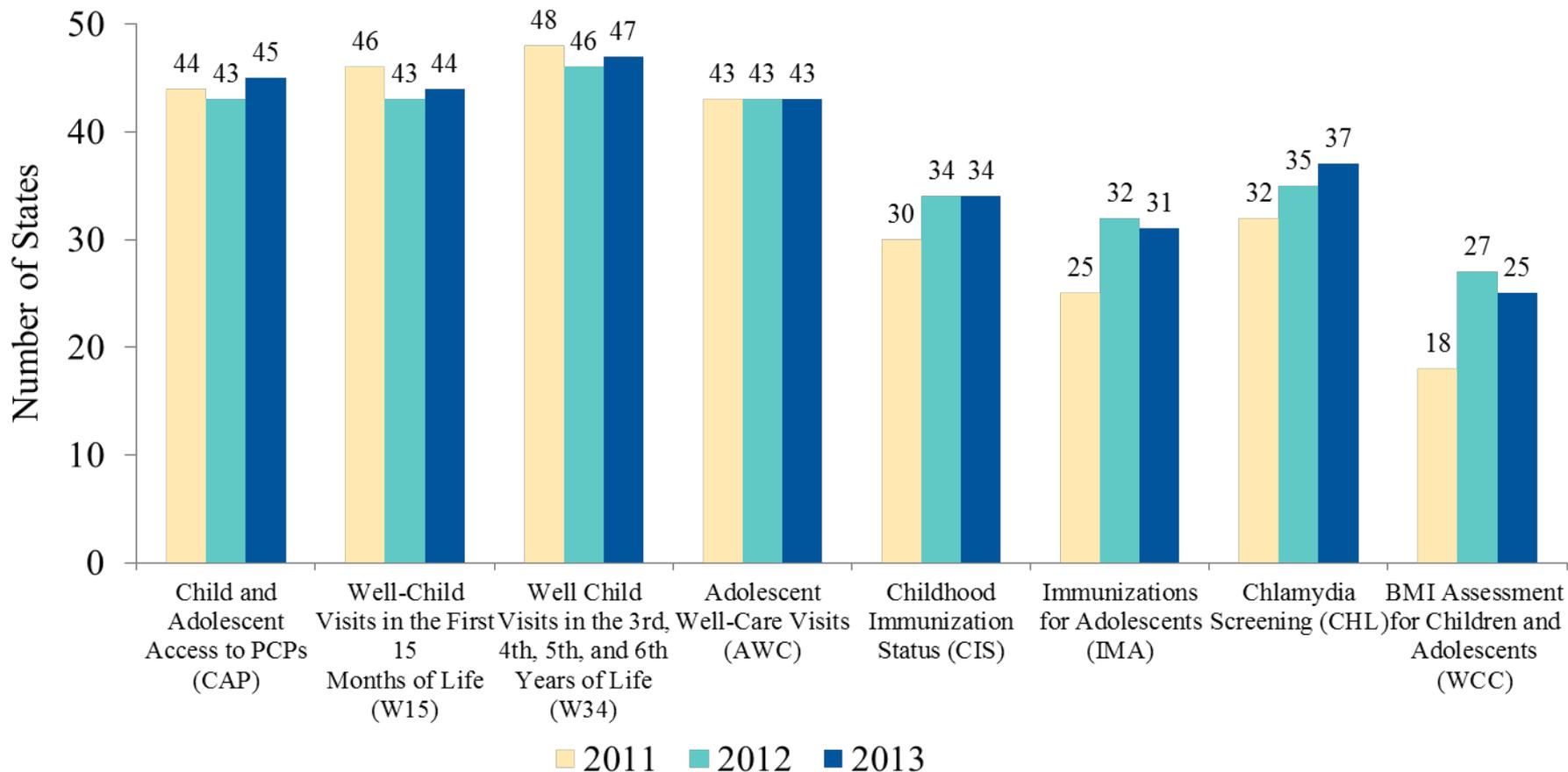


Source: Mathematica analysis of FFY 2013 Child CARTS reports.



PRIMARY CARE ACCESS AND PREVENTIVE CARE

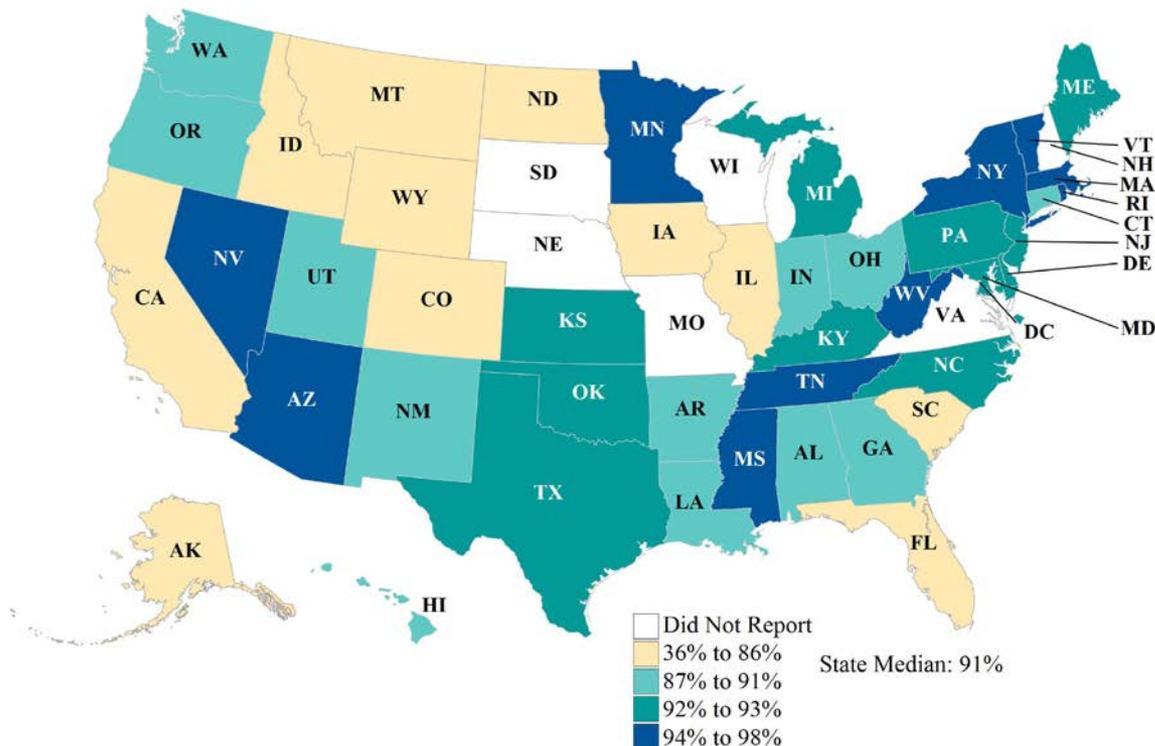
Number of States Reporting Primary Care Access and Preventive Care Measures, FFY 2011–2013



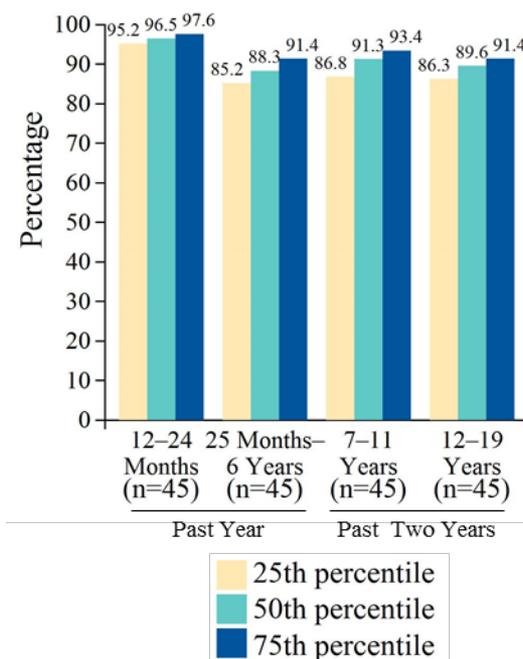
Source: Mathematica analysis of FFY 2011–2013 Child CARTS reports.

Child and Adolescent Access to Primary Care Practitioners (CAP)

Percentage of Children and Adolescents Ages 7 to 11 with a PCP Visit in the Past Two Years (n = 45 states)



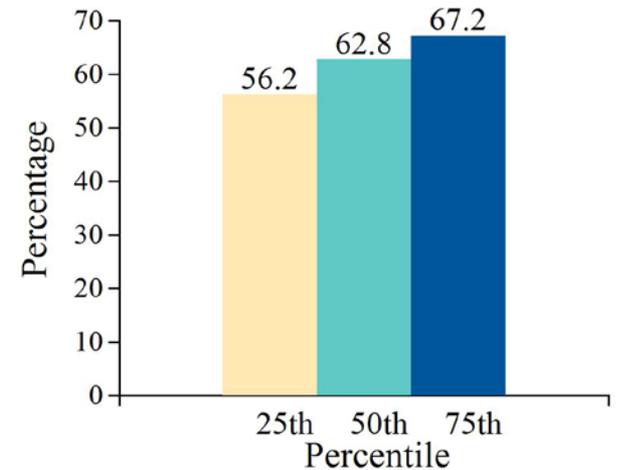
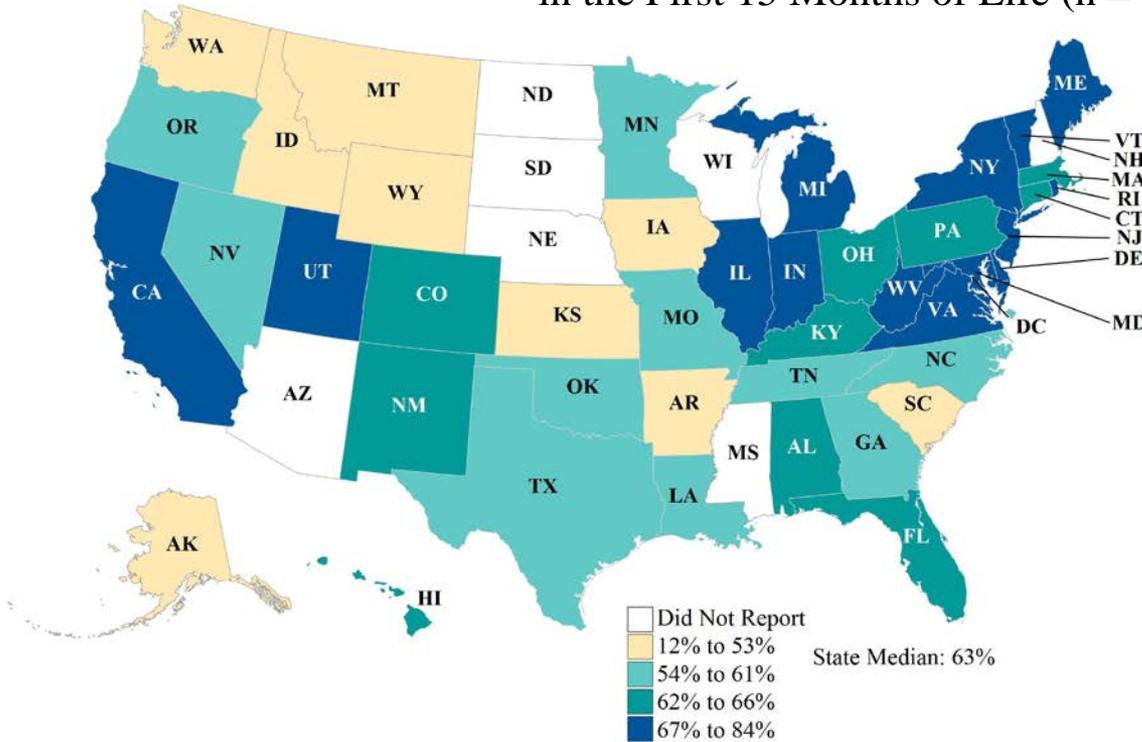
Percentage of Children and Adolescents with a PCP Visit in the Past Year (12 to 24 Months and 25 Months to 6 Years) or Past Two Years (7 to 11 Years and 12 to 19 Years)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Well-Child Visits in the First 15 Months of Life (W15)

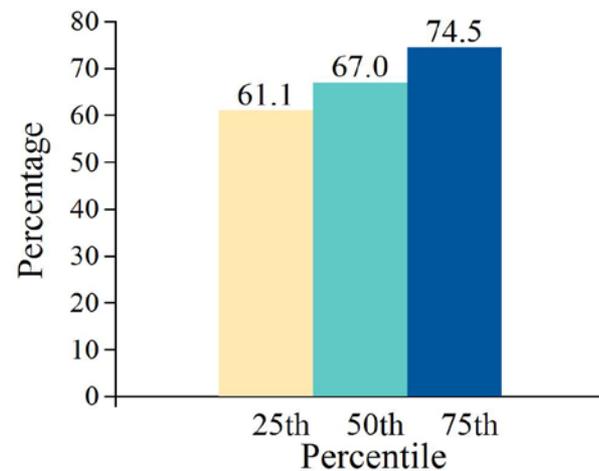
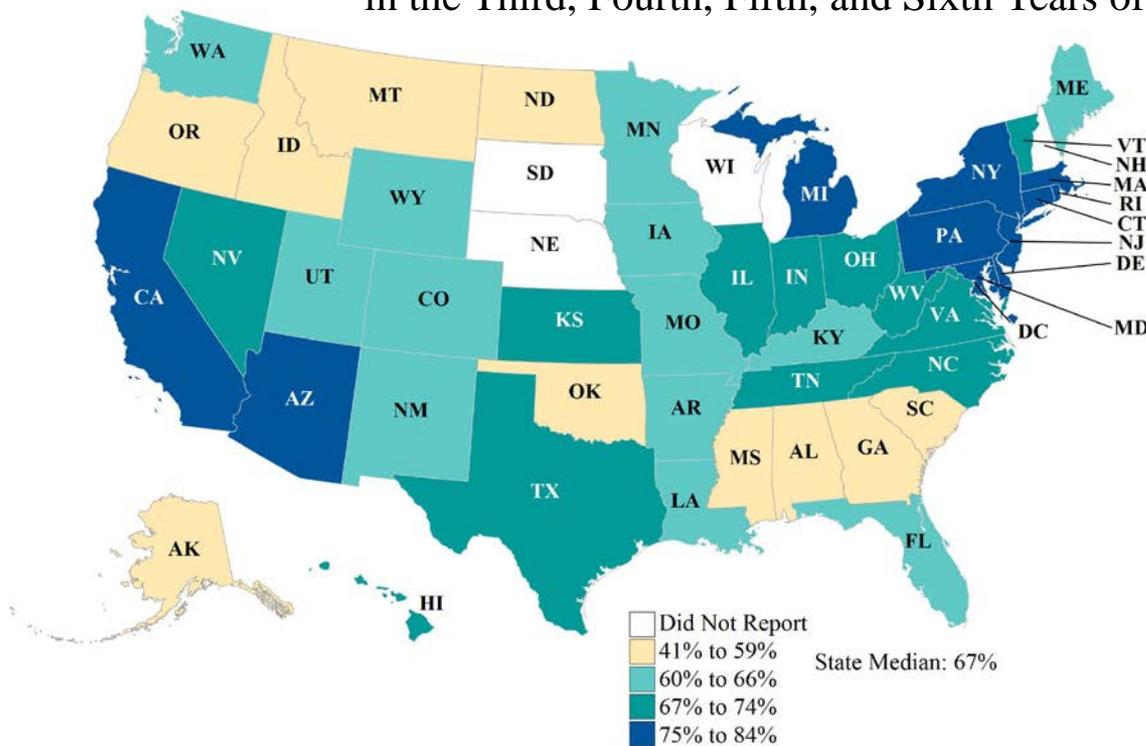
Percentage of Children Receiving 6 or More Well-Child Visits in the First 15 Months of Life (n = 44 states)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Well-Child Visits in the Third, Fourth, Fifth, and Sixth Years of Life (W34)

Percentage of Children Receiving At Least One Well-Child Visit in the Third, Fourth, Fifth, and Sixth Years of Life (n = 47 states)

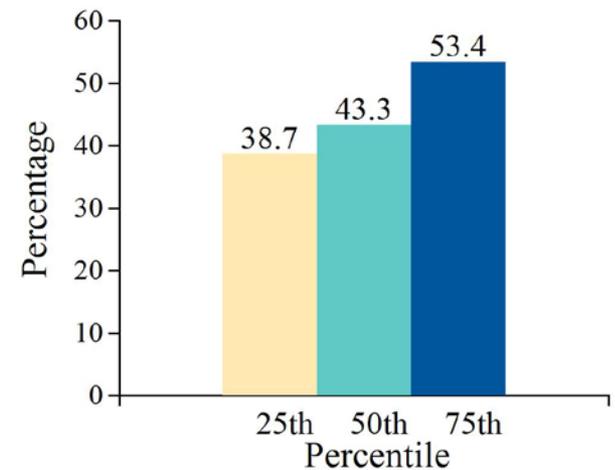
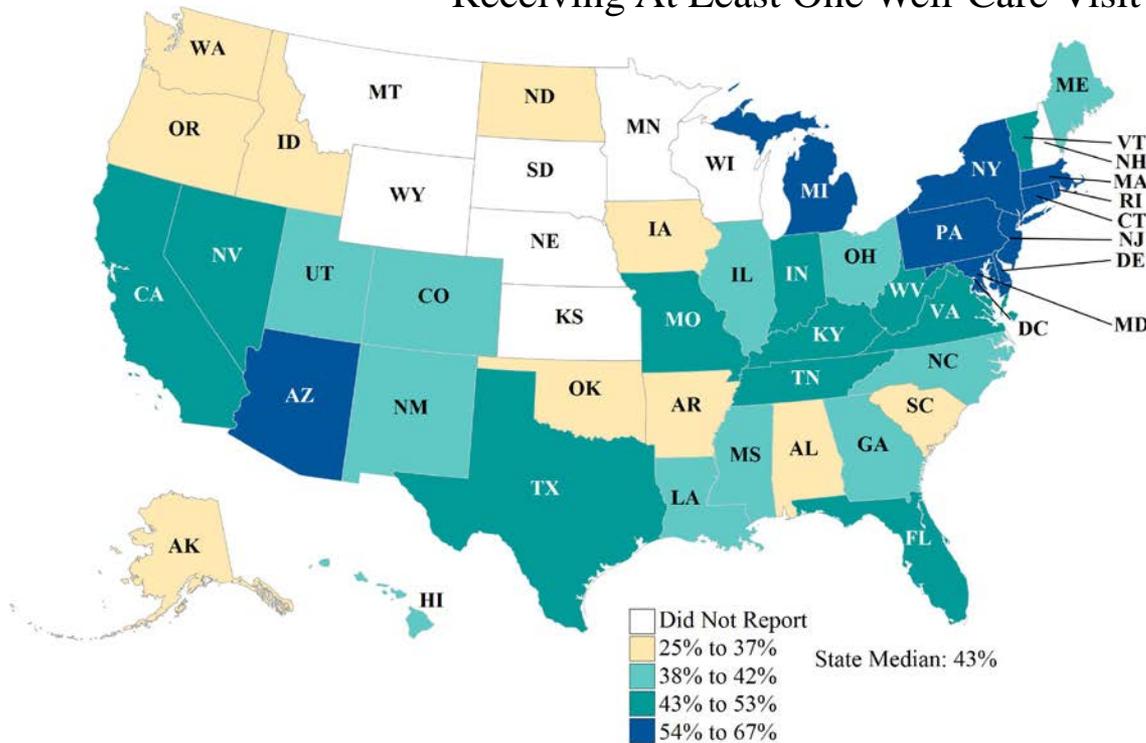


Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.



Adolescent Well-Care Visits (AWC)

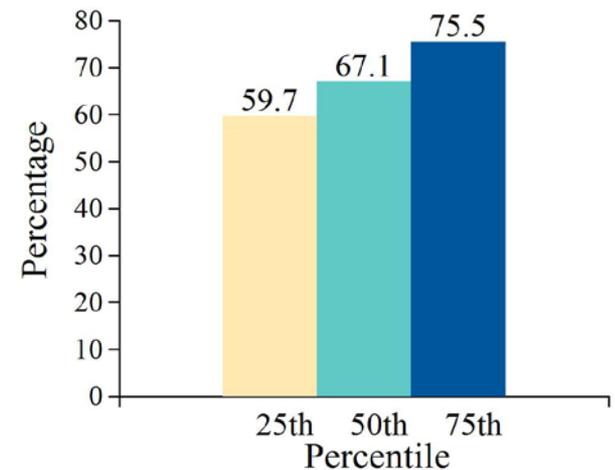
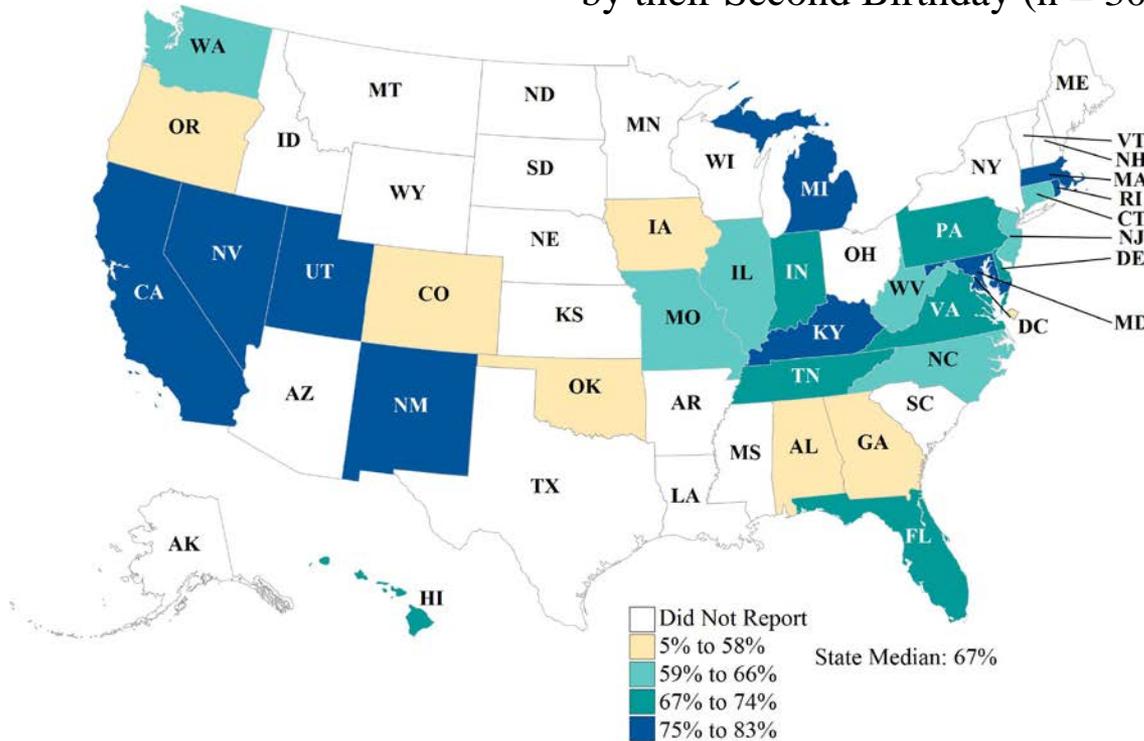
Percentage of Adolescents Ages 12 to 21
Receiving At Least One Well-Care Visit (n = 43 states)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Childhood Immunization Status (CIS)

Percentage of Children Up to Date on Recommended Immunizations (Combination 3)
by their Second Birthday (n = 30 states)



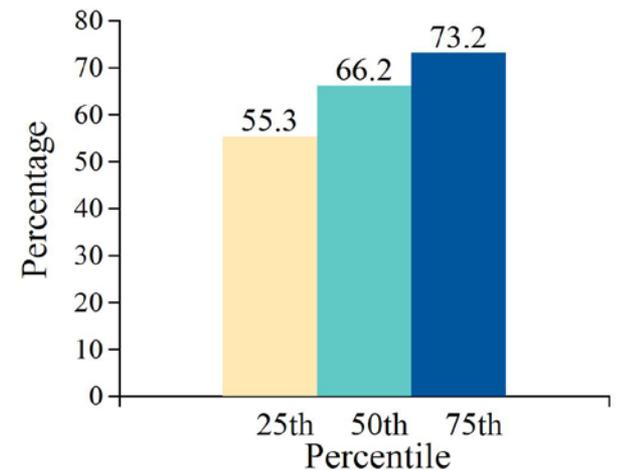
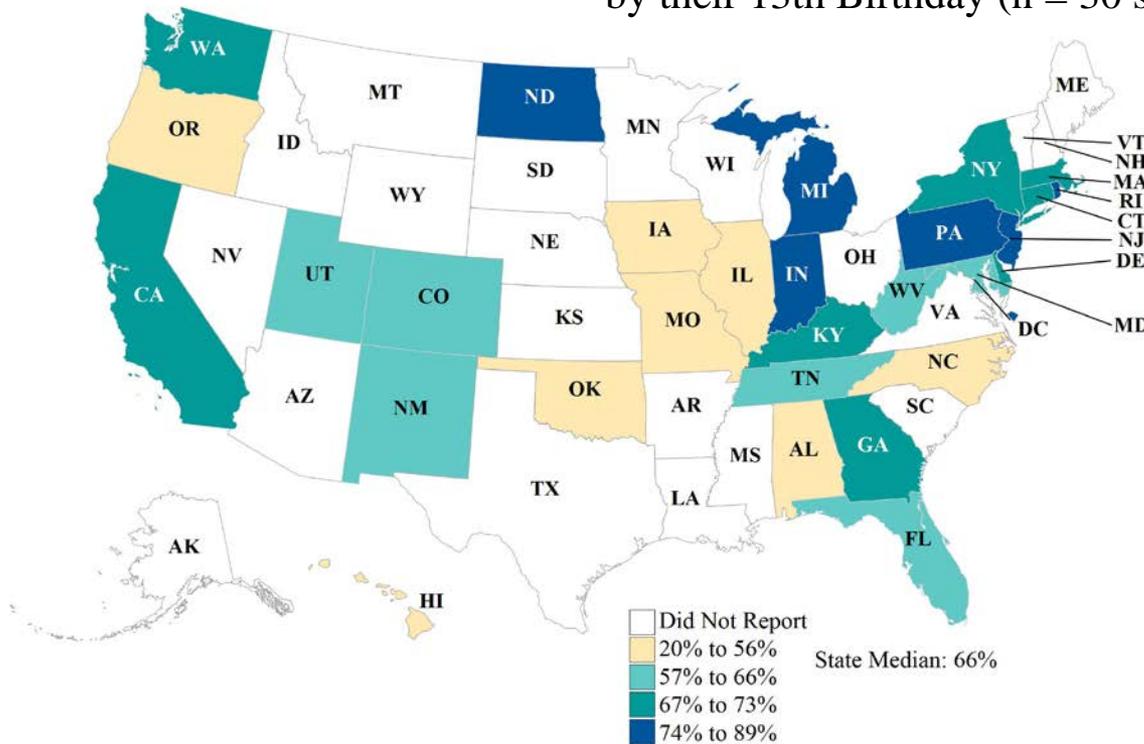
Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Note: The Combination 3 rate includes four diphtheria, tetanus, and acellular pertussis (DTaP) vaccines; three polio (IPV) vaccines; one measles, mumps and rubella (MMR) vaccine; at least two H influenza type B (HiB) vaccines; three hepatitis B (HepB) vaccines; one chicken pox (VZV) vaccine; and four pneumococcal conjugate (PCV) vaccines.



Immunization Status for Adolescents (IMA)

Percentage of Adolescents Up to Date on Recommended Immunizations (Combination 1) by their 13th Birthday (n = 30 states)

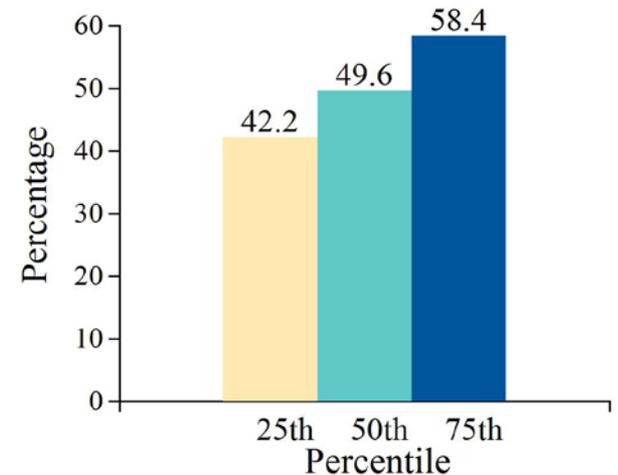
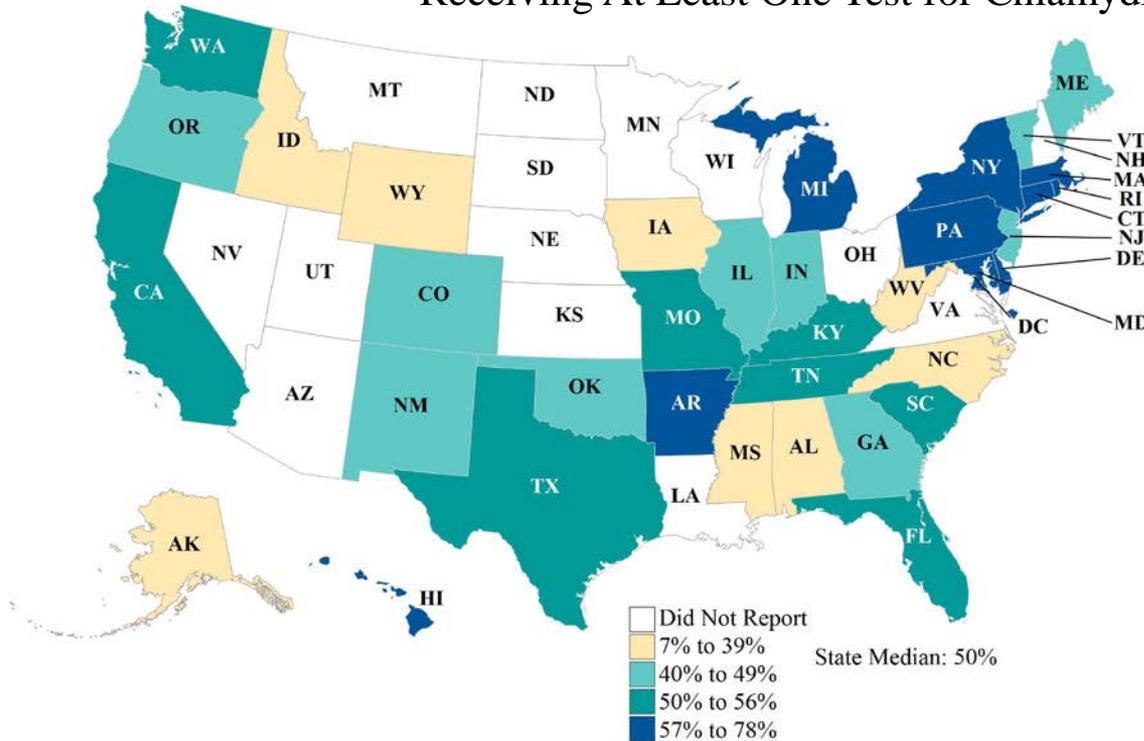


Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Note: The Combination 1 rate includes one dose of meningococcal vaccine and one tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine or one tetanus and diphtheria toxoids (Td) vaccine.

Chlamydia Screening in Women (CHL)

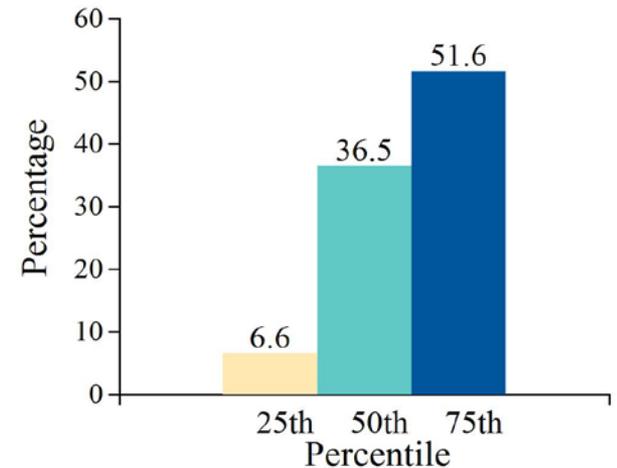
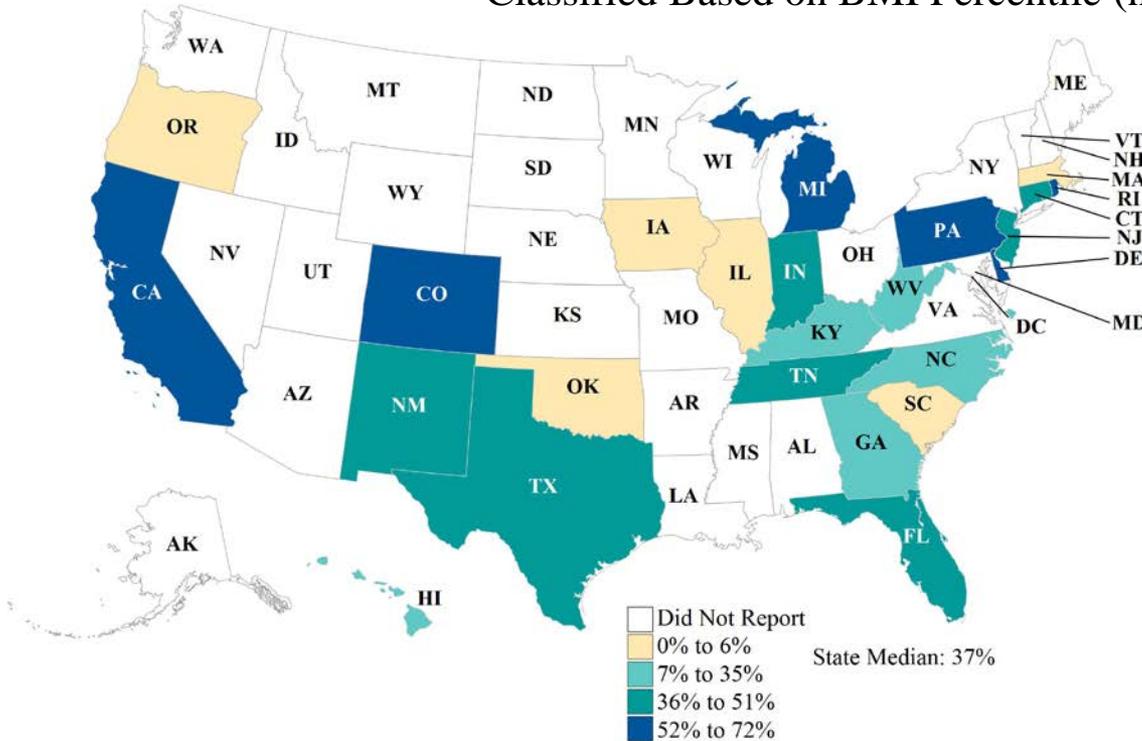
Percentage of Sexually Active Women Ages 16 to 20
Receiving At Least One Test for Chlamydia (n = 37 states)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Body Mass Index Assessment for Children and Adolescents (WCC)

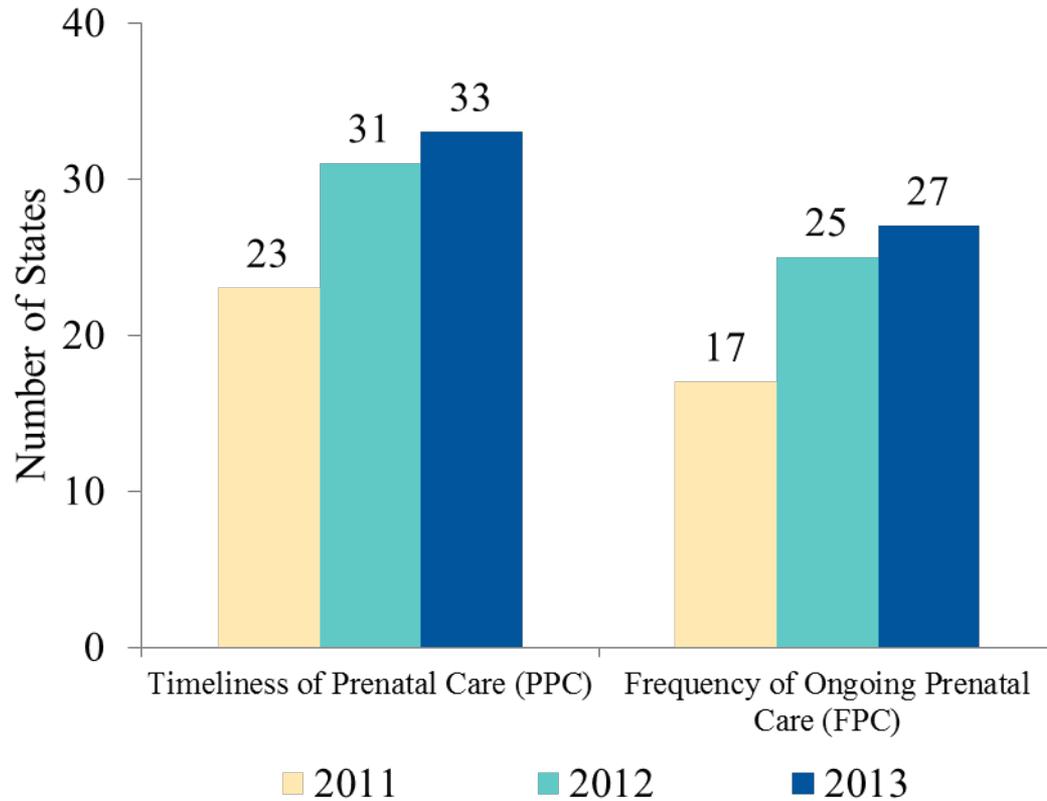
Percentage of Children Ages 3 to 17 Whose Weight is Classified Based on BMI Percentile (n = 25 states)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

PERINATAL HEALTH

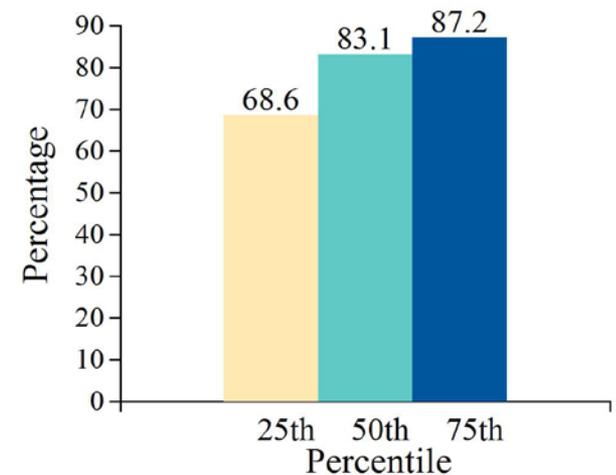
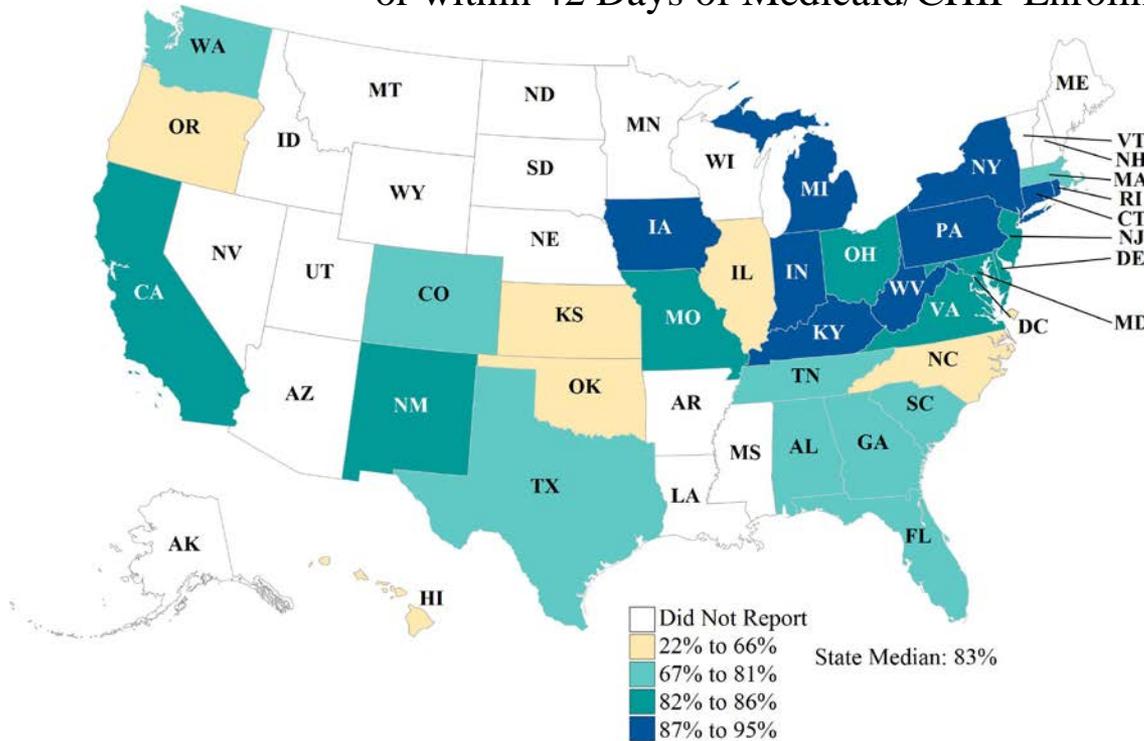
Number of States Reporting Perinatal Health Measures, FFY 2011–2013



Source: Mathematica analysis of FFY 2011–2013 Child CARTS reports.

Timeliness of Prenatal Care (PPC)

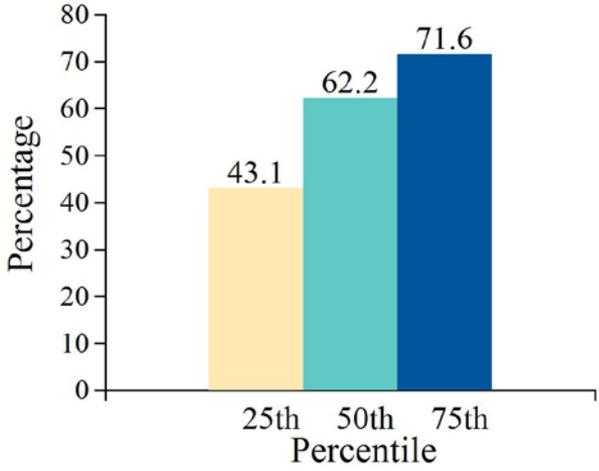
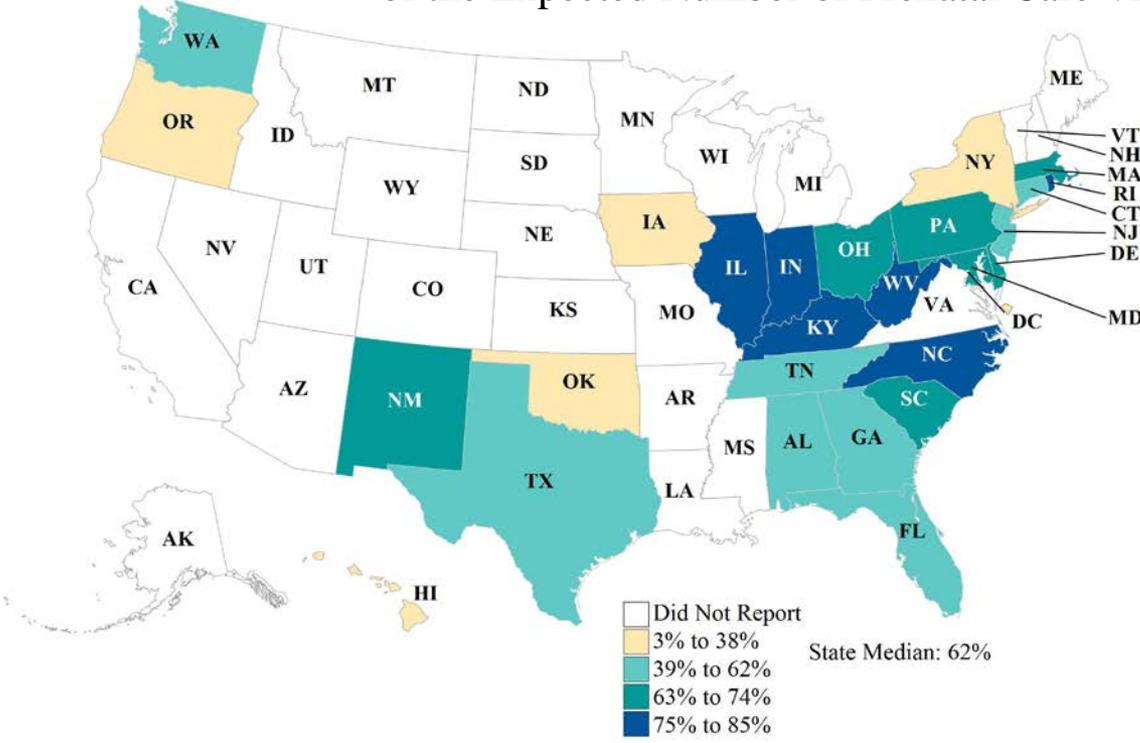
Percentage of Pregnant Women with a Prenatal Care Visit in the First Trimester or within 42 Days of Medicaid/CHIP Enrollment (n = 33 states)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Frequency of Ongoing Prenatal Care (FPC)

Percentage of Pregnant Women Receiving More Than 80 Percent of the Expected Number of Prenatal Care Visits (n = 27 states)

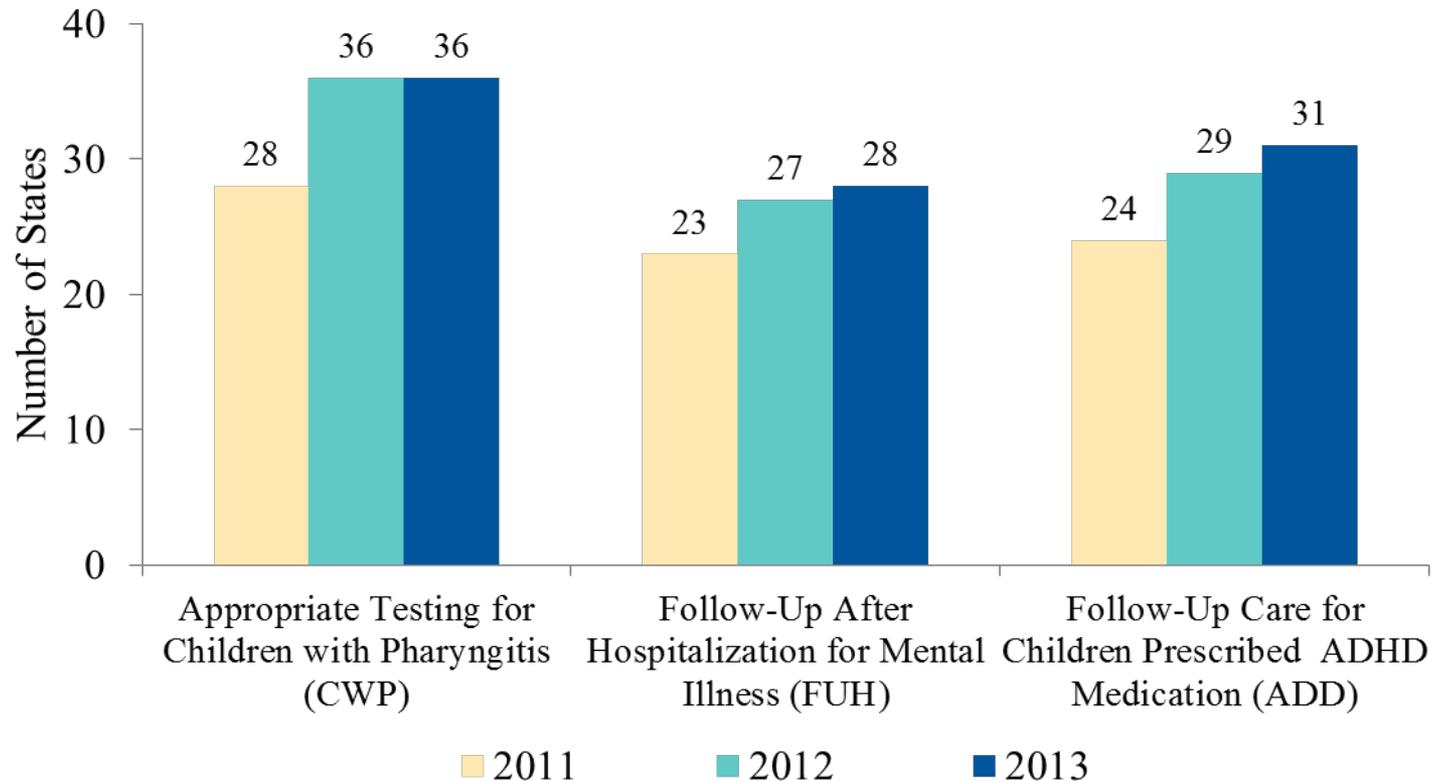


Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.



MANAGEMENT OF ACUTE AND CHRONIC CONDITIONS

Number of States Reporting Management of Acute and Chronic Conditions Measures, FFY 2011–2013

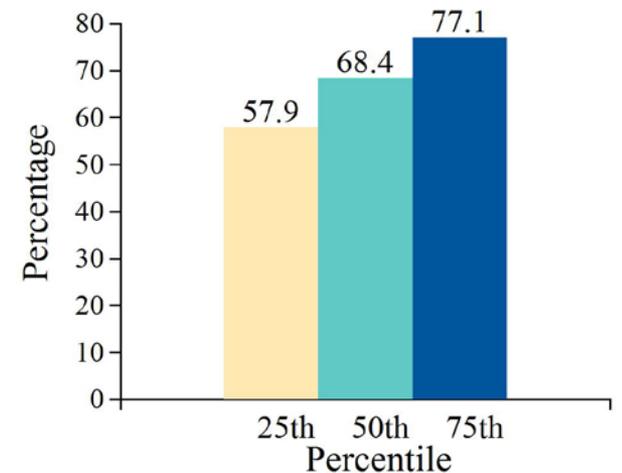
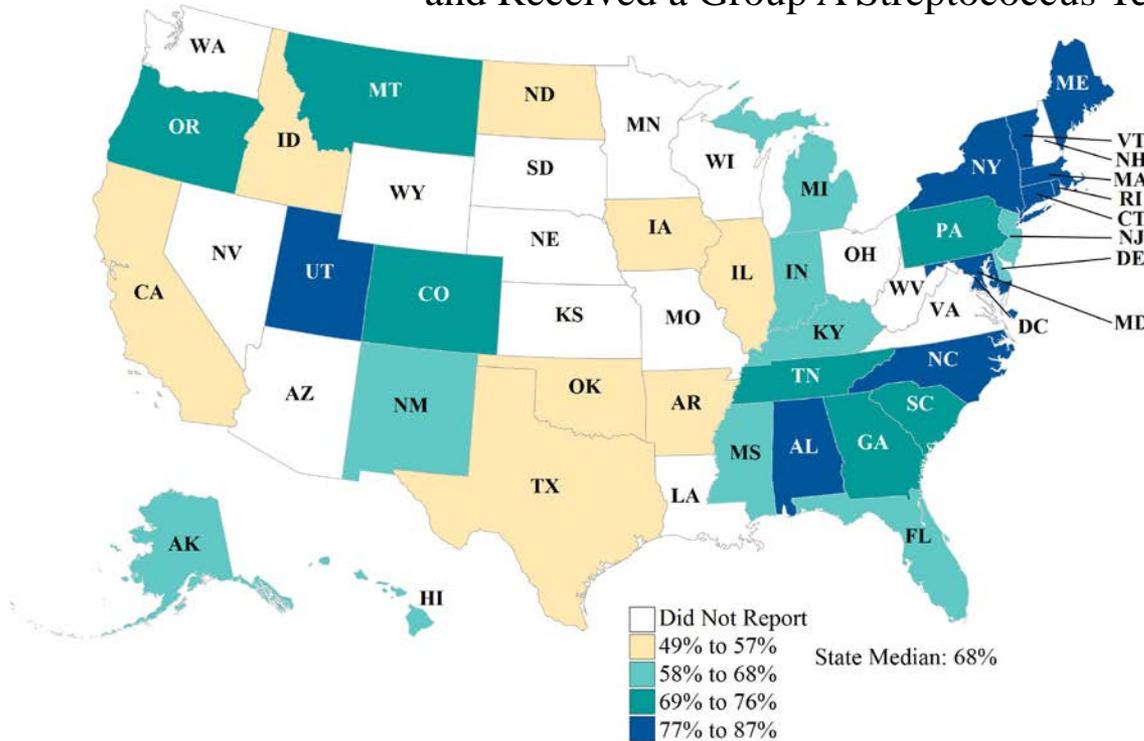


Source: Mathematica analysis of FFY 2011–2013 Child CARTS reports.

Note: This figure excludes the Central Line-Associated Bloodstream Infection (CLABSI) measure. Beginning in FFY 2012, data for the CLABSI measure were obtained from the CDC National Healthcare Safety Network.

Appropriate Testing for Children with Pharyngitis (CWP)

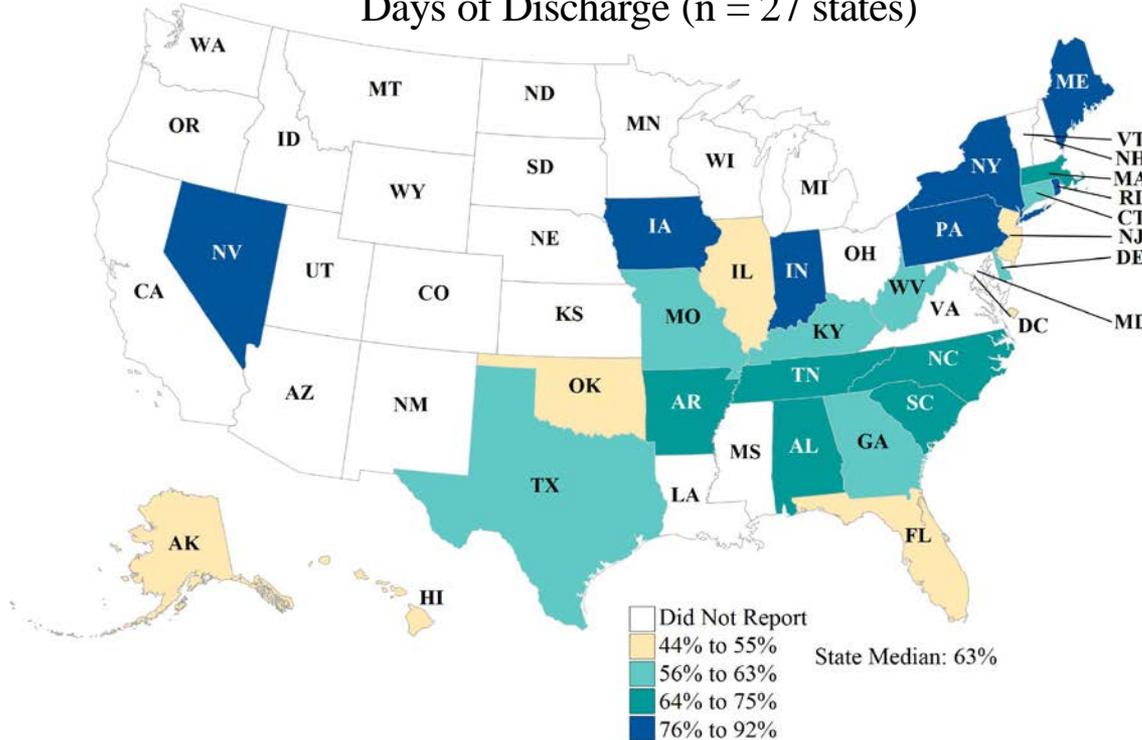
Percentage of Children Diagnosed with Pharyngitis, Dispensed an Antibiotic, and Received a Group A Streptococcus Test (n = 36 states)



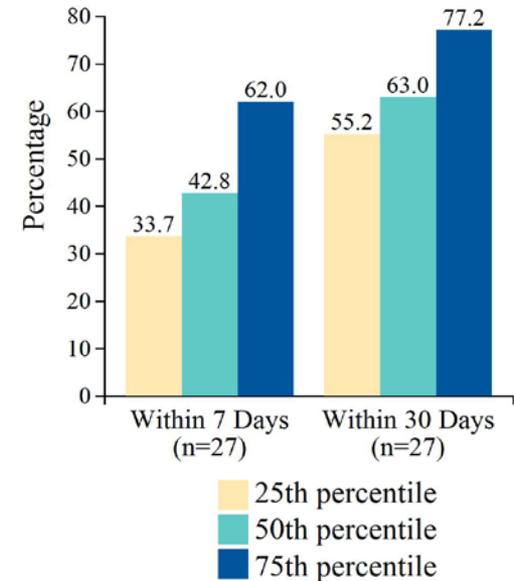
Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Follow-Up After Hospitalization for Mental Illness (FUH)

Percentage of Discharges for Mental Illness for Children Ages 6 to 20 Receiving a Follow-Up Visit within 30 Days of Discharge (n = 27 states)



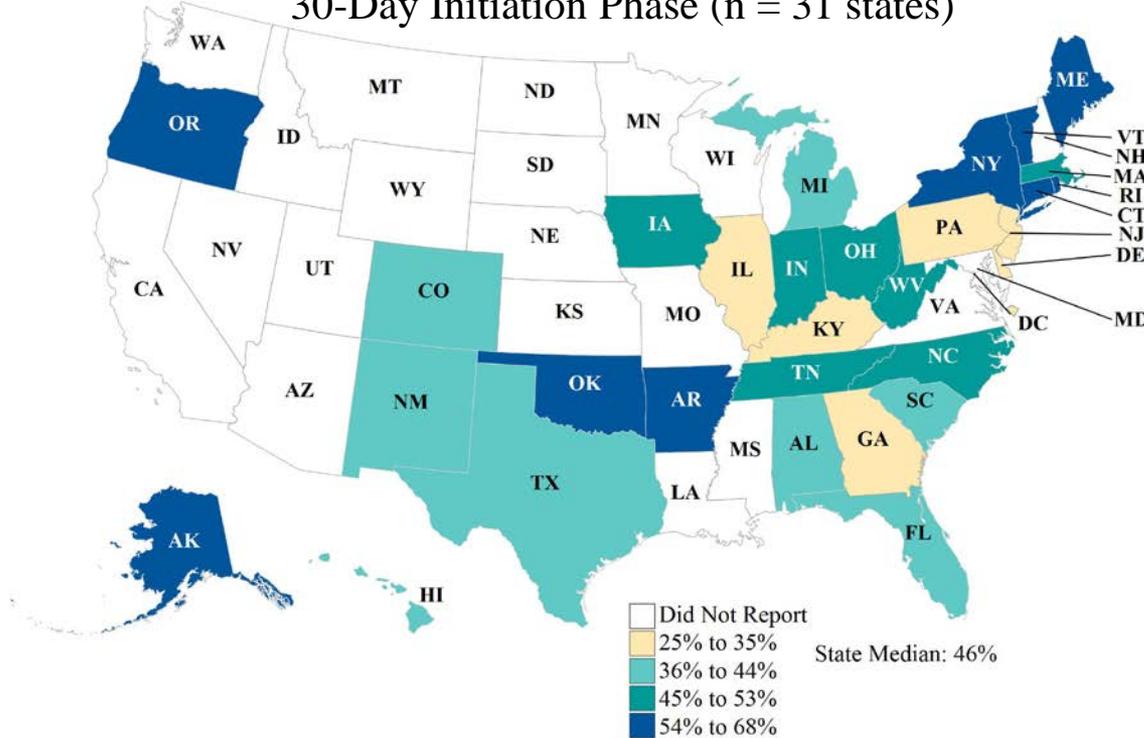
Percentage of Discharges for Mental Illness for Children Ages 6 to 20 Receiving a Follow-Up Visit within 7 and 30 Days of Discharge (n = 27 states)



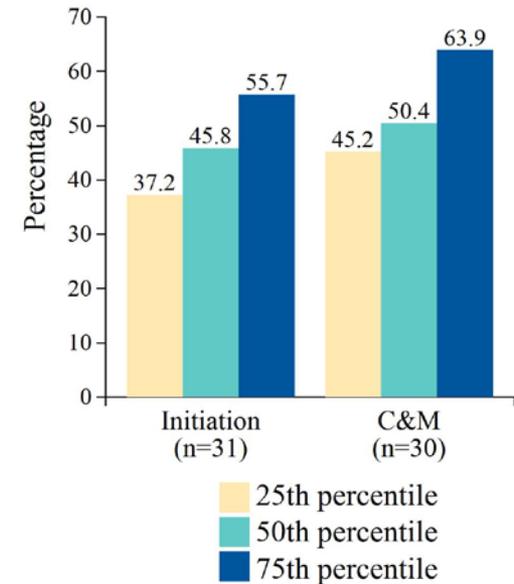
Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Follow-Up Care for Children Prescribed Attention-Deficit/Hyperactivity Disorder Medication (ADD)

Percentage of Children Prescribed Medication for ADHD Who Received At Least One Visit During the 30-Day Initiation Phase (n = 31 states)

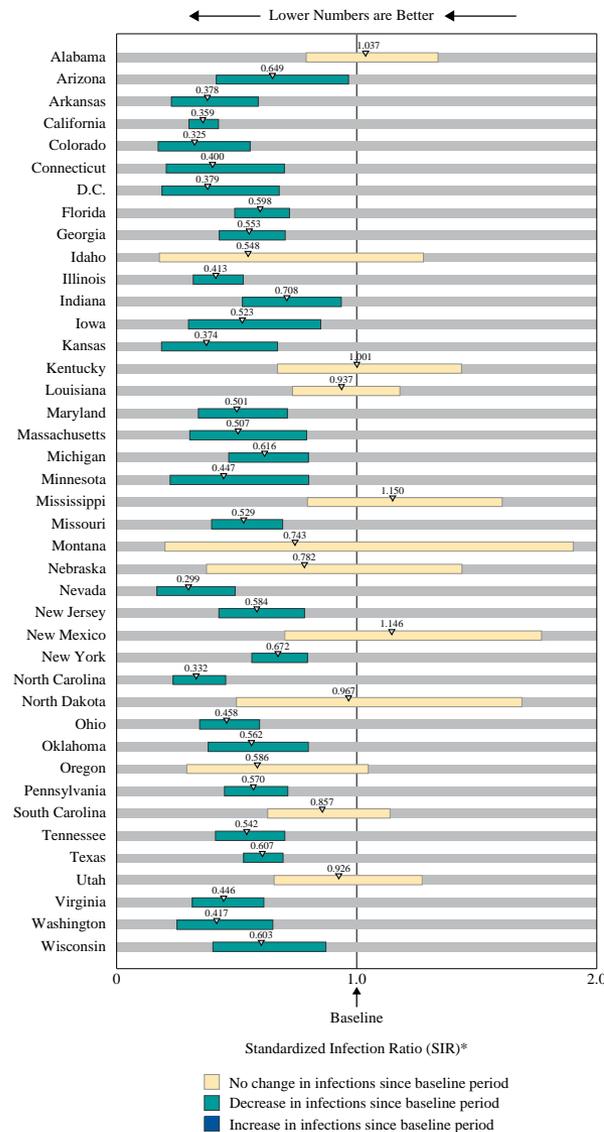


Percentage of Children Prescribed Medication for ADHD Who Received At Least One Visit during the 30-Day Initiation Phase (n = 31 states) and At Least Two Visits During the 9-Month Continuation and Maintenance Phase (n = 30 states)



Source: Mathematica analysis of FFY 2013 CARTS reports as of August 4, 2014.

Central Line-Associated Blood Stream Infections in Neonatal Intensive Care Units (CLABSI) (continued)



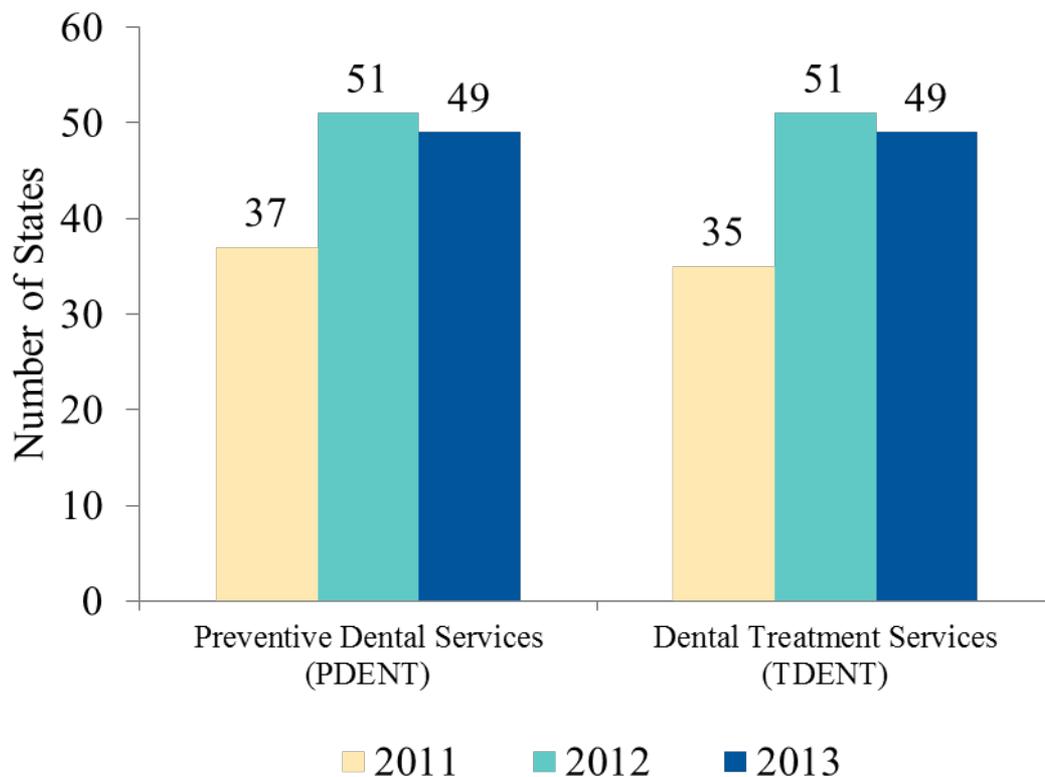
Source: Centers for Disease Control and Prevention, 2012 National and State Healthcare-Associated Infections Standardized Infection Ratio Report, Table 3d, available at <http://www.cdc.gov/hai/excel/hai-progress-report/2012-HAI-Progress-Final-Tables.xlsx>

Note: The Standardized Infection Ratio (SIR) is the summary measure used to track CLABSIs over time. The SIR compares the number of infections reported in a facility or state to the baseline U.S. experience, adjusting for several risk factors that have been found to be associated with differences in infection rates. The SIR indicates whether the rate of infections increased, decreased, or did not change significantly relative to the baseline U.S. experience (calculated using data for 2006–2008).



DENTAL AND ORAL HEALTH SERVICES

Number of States Reporting Dental Measures, FFY 2011–2013



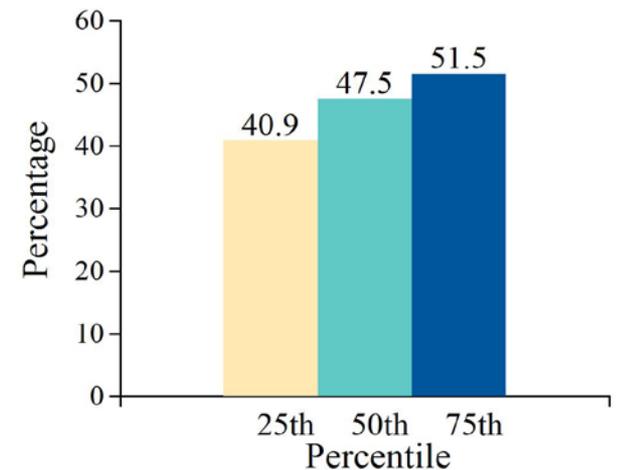
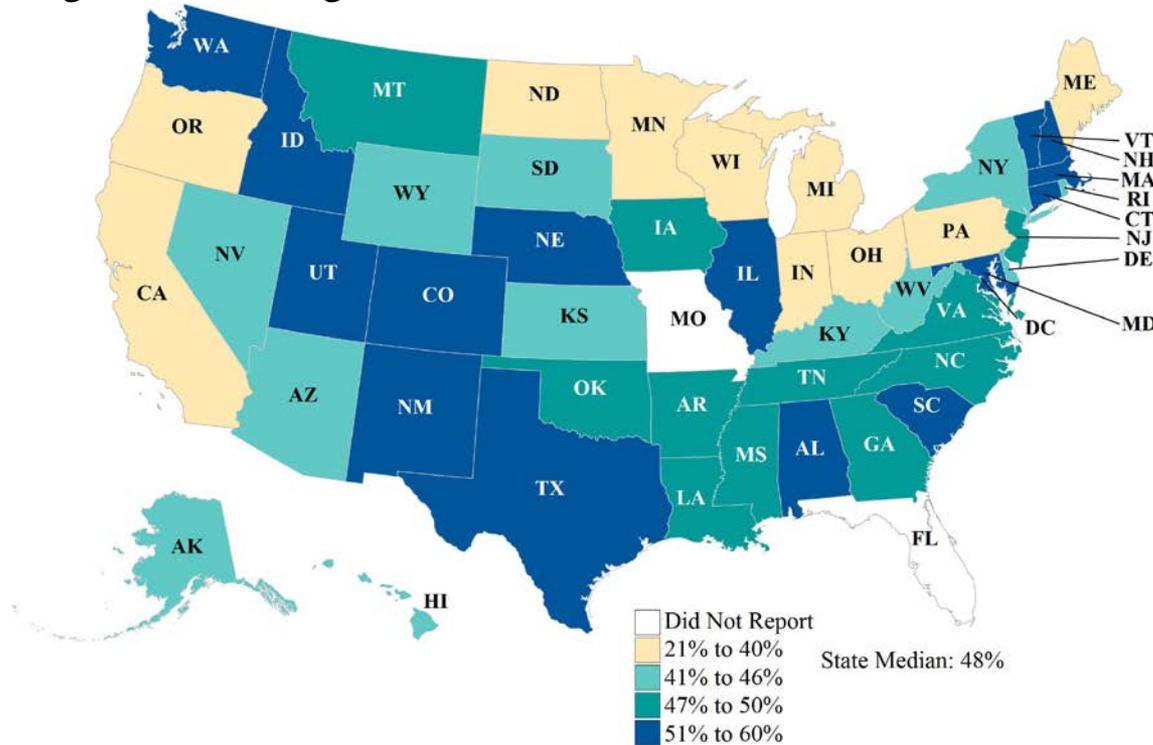
Source: Mathematica analysis of FFY 2012–2013 Form CMS-416 reports.

Notes: Beginning in FFY 2012, to minimize state reporting burden, CMS began calculating the two dental measures on behalf of states using data reported on Form CMS-416. In FFY 2011, states reported the two dental measures in CARTS.



Preventive Dental Services (PDENT)

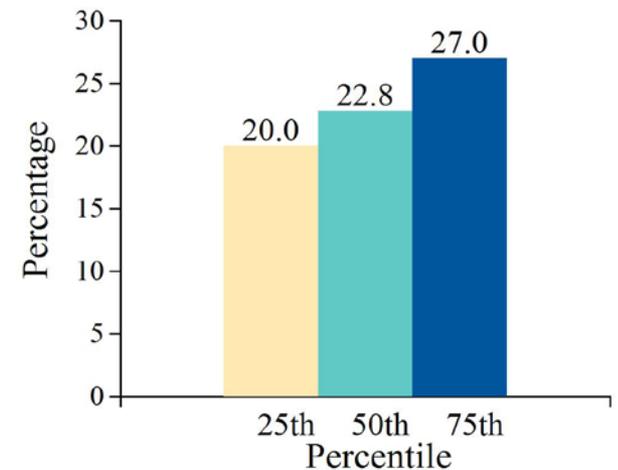
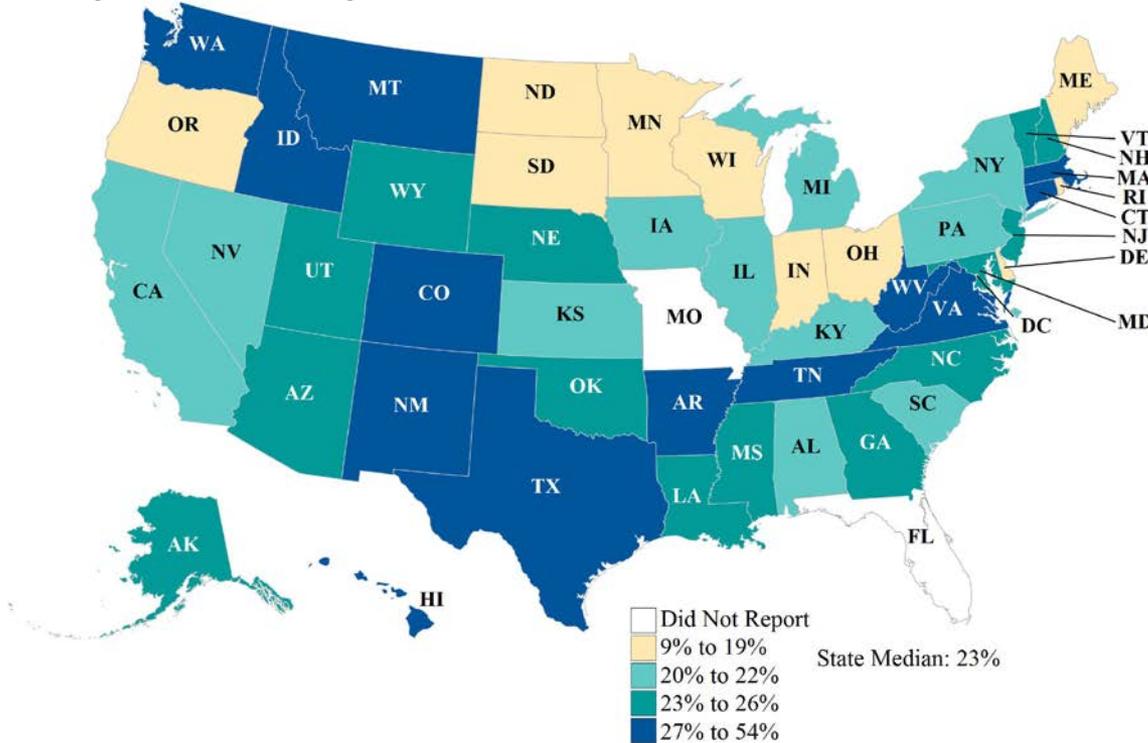
Percentage of Eligible Individuals Ages 1 to 20 Who Are Enrolled in Medicaid or CHIP Medicaid Expansion Programs, Are Eligible for EPSDT Services, and Who Received Preventive Dental Services (n = 49 states)



Source: Mathematica analysis of FFY 2013 Form CMS-416 reports as of August 4, 2014.

Dental Treatment Services (TDENT)

Percentage of Eligible Individuals Ages 1 to 20 Who Are Enrolled in Medicaid or CHIP Medicaid Expansion Programs, Are Eligible for EPSDT Services, and Who Received Dental Treatment Services (n = 49 states)



Source: Mathematica analysis of FFY 2013 Form CMS-416 reports as of August 4, 2014.

POPULATION OVERVIEW TABLES

Number and Percentage of Children Enrolled in Medicaid or CHIP by State and Service Delivery Type, FFY 2013

| State | Total Medicaid/CHIP Enrollment | Managed Care (Number) | Managed Care (Percentage) | Fee-for-Service (Number) | Fee-for-Service (Percentage) | Primary Care Case Management (Number) | Primary Care Case Management (Percentage) |
|----------------------|--------------------------------|-----------------------|---------------------------|--------------------------|------------------------------|---------------------------------------|-------------------------------------------|
| U.S. Total* | 45,292,410 | 30,021,277 | 66 | 9,770,978 | 22 | 4,902,110 | 11 |
| Alabama* | 711,535 | -- | -- | 113,420 | -- | -- | -- |
| Alaska | 103,492 | 0 | 0 | 103,492 | 100 | 0 | 0 |
| Arizona | 993,509 | 901,580 | 91 | 91,929 | 9 | 0 | 0 |
| Arkansas | 516,422 | 0 | 0 | 516,422 | 100 | 0 | 0 |
| California | 6,921,363 | 5,569,207 | 80 | 1,352,156 | 20 | 0 | 0 |
| Colorado | 537,340 | 122,664 | 23 | 388,494 | 72 | 26,182 | 5 |
| Connecticut | 344,413 | 0 | 0 | 344,413 | 100 | 0 | 0 |
| Delaware | 110,096 | 103,216 | 94 | 5,538 | 5 | 1,342 | 1 |
| District of Columbia | 100,769 | 92,041 | 91 | 8,728 | 9 | 0 | 0 |
| Florida | 2,592,739 | 1,573,288 | 61 | 351,963 | 14 | 667,488 | 26 |
| Georgia | 1,432,435 | 1,233,563 | 86 | 198,872 | 14 | 0 | 0 |
| Hawaii | 169,237 | 169,073 | 100 | 164 | 0 | 0 | 0 |
| Idaho | 257,006 | 0 | 0 | 0 | 0 | 257,006 | 100 |
| Illinois | 2,689,299 | 156,899 | 6 | 1,065,560 | 40 | 1,466,840 | 55 |
| Indiana | 854,219 | 751,479 | 88 | 102,734 | 12 | 6 | 0 |
| Iowa | 402,047 | 91,058 | 23 | 94,805 | 24 | 216,184 | 54 |
| Kansas | 313,190 | 313,144 | 100 | 46 | 0 | 0 | 0 |
| Kentucky | 569,355 | 530,782 | 93 | 38,573 | 7 | 0 | 0 |
| Louisiana | 820,697 | 335,255 | 41 | 85,030 | 10 | 400,412 | 49 |
| Maine | 204,840 | 0 | 0 | 67,154 | 33 | 137,686 | 67 |
| Maryland | 625,463 | 607,479 | 97 | 17,984 | 3 | 0 | 0 |
| Massachusetts | 693,570 | 318,150 | 46 | 177,096 | 26 | 198,324 | 29 |
| Michigan | 1,285,319 | 1,223,098 | 95 | 62,221 | 5 | 0 | 0 |
| Minnesota | 509,099 | 385,121 | 76 | 123,978 | 24 | 0 | 0 |
| Mississippi | 561,038 | 167,164 | 30 | 393,874 | 70 | 0 | 0 |
| Missouri | 652,183 | 392,570 | 60 | 259,613 | 40 | 0 | 0 |
| Montana | 128,108 | 0 | 0 | 44,693 | 35 | 83,415 | 65 |
| Nebraska | 220,821 | 199,414 | 90 | 21,407 | 10 | 0 | 0 |
| Nevada | 284,735 | 210,754 | 74 | 73,981 | 26 | 0 | 0 |
| New Hampshire | 105,012 | 0 | 0 | 105,012 | 100 | 0 | 0 |

Number and Percentage of Children Enrolled in Medicaid or CHIP by State and Service Delivery Type, FFY 2013 (continued)

| State | Total Medicaid/CHIP Enrollment | Managed Care (Number) | Managed Care (Percentage) | Fee-for-Service (Number) | Fee-for-Service (Percentage) | Primary Care Case Management (Number) | Primary Care Case Management (Percentage) |
|----------------|--------------------------------|-----------------------|---------------------------|--------------------------|------------------------------|---------------------------------------|-------------------------------------------|
| New Jersey | 868,959 | 818,772 | 94 | 50,187 | 6 | 0 | 0 |
| New Mexico | 389,658 | 316,305 | 81 | 73,353 | 19 | 0 | 0 |
| New York | 2,799,685 | 2,326,163 | 83 | 473,522 | 17 | 0 | 0 |
| North Carolina | 1,423,062 | 0 | 0 | 267,724 | 19 | 1,155,338 | 81 |
| North Dakota | 62,238 | 4,754 | 8 | 19,891 | 32 | 37,593 | 60 |
| Ohio | 1,769,993 | 1,365,278 | 77 | 404,715 | 23 | 0 | 0 |
| Oklahoma | 706,173 | 616,490 | 87 | 89,683 | 13 | 0 | 0 |
| Oregon | 529,782 | 21,538 | 4 | 508,162 | 96 | 82 | 0 |
| Pennsylvania | 1,576,935 | 1,454,066 | 92 | 119,456 | 8 | 3,413 | 0 |
| Rhode Island | 138,579 | 129,242 | 93 | 9,337 | 7 | 0 | 0 |
| South Carolina | 658,484 | 314,950 | 48 | 216,588 | 33 | 126,946 | 19 |
| South Dakota | 64,580 | 0 | 0 | 17,362 | 27 | 47,218 | 73 |
| Tennessee | 897,396 | 813,829 | 91 | 83,567 | 9 | 0 | 0 |
| Texas | 4,538,999 | 4,024,678 | 89 | 514,321 | 11 | 0 | 0 |
| Utah | 346,214 | 188,473 | 54 | 157,741 | 46 | 0 | 0 |
| Vermont | 79,905 | 0 | 0 | 13,937 | 17 | 65,968 | 83 |
| Virginia | 845,084 | 705,709 | 84 | 139,375 | 16 | 0 | 0 |
| Washington | 812,460 | 655,872 | 81 | 150,334 | 19 | 6,254 | 1 |
| West Virginia | 297,391 | 210,444 | 71 | 82,534 | 28 | 4,413 | 1 |
| Wisconsin | 710,023 | 598,900 | 84 | 111,123 | 16 | 0 | 0 |
| Wyoming | 67,459 | 8,815 | 13 | 58,644 | 87 | 0 | 0 |

Source: CMS analysis of Statistical Enrollment Data System (SEDS) as of July 24, 2014.

Notes: Data are reported by individual states and are representative of children ever-enrolled in Medicaid and CHIP as of July 24, 2014. States may subsequently revise their current and/or historical data.

Managed care is defined in this context as a system in which the state contracts with health maintenance organizations (HMOs) or health insuring organizations (HIOs) to provide a comprehensive set of services on a prepaid capitated risk basis. Enrollees choose a plan and a primary care provider, who will be responsible for managing their care.

A child is reported in the service delivery system in which he or she was last covered for basic services during the quarter.

*While the total for Alabama (711,535) reflects children enrolled in both Medicaid and CHIP, the state did not report Medicaid data by service delivery type. The 113,420 children reported under fee-for-service are children enrolled in CHIP only. As such, the U.S. total for total Medicaid/CHIP enrollment does not equal the sum of managed care, fee-for-service, and primary care case management.



Performance Rates on Frequently Reported Medicaid/CHIP Children's Health Care Quality Measures, FFY 2013

| Measure Description | Measure | Number of States Reporting Using Child Core Set Specifications | Performance Metrics | | | |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------|--------|-----------------|-----------------|
| | | | Mean | Median | 25th Percentile | 75th Percentile |
| Preventive Dental Services: 1–20 Years | Percentage with a Preventive Dental Service | 49 | 46.0 | 47.5 | 40.9 | 51.5 |
| Dental Treatment Services: 1–20 Years | Percentage with a Dental Treatment Service | 49 | 24.5 | 22.8 | 20.0 | 27.0 |
| Access to Primary Care: 12 – 24 Months | Percentage with a PCP Visit in the Past Year | 45 | 96.1 | 96.5 | 95.2 | 97.6 |
| Access to Primary Care: 25 Months–6 Years | Percentage with a PCP Visit in the Past Year | 45 | 87.6 | 88.3 | 85.2 | 91.4 |
| Access to Primary Care: 7–11 Years | Percentage with a PCP Visit in the Past Two Years | 45 | 88.4 | 91.3 | 86.8 | 93.4 |
| Access to Primary Care: 12–19 Years | Percentage with a PCP Visit in the Past Two Years | 45 | 87.5 | 89.6 | 86.3 | 91.4 |
| Well-Child Visits: First 15 Months | Percentage with 6 or More Visits | 44 | 60.4 | 62.8 | 56.2 | 67.2 |
| Well-Child Visits: 3–6 Years | Percentage with 1 or More Visits | 47 | 66.2 | 67.0 | 61.1 | 74.5 |
| Well Care Visits: 12–21 Years | Percentage with 1 or More Visits | 43 | 44.8 | 43.3 | 38.7 | 53.4 |
| Childhood Immunization Status: 2 Years | Percentage Up-to-Date on Immunizations (Combination 3) ^a | 30 | 64.3 | 67.1 | 59.7 | 75.5 |
| Immunization Status for Adolescents: 13 Years | Percentage Up-to-Date on Immunizations (Combination 1) ^b | 30 | 63.2 | 66.2 | 55.3 | 73.2 |
| Chlamydia Screening: 16–20 Years | Percentage of Sexually Active Women Screened | 37 | 49.0 | 49.6 | 42.2 | 58.4 |
| Body Mass Index Assessment: 3–17 Years | Percentage with a BMI Percentile Documented | 25 | 34.3 | 36.5 | 6.6 | 51.6 |
| Timeliness of Prenatal Care | Percentage with a Prenatal Visit in the First Trimester (or within 42 Days of Medicaid/CHIP Enrollment) | 33 | 76.7 | 83.1 | 68.6 | 87.2 |
| Frequency of Ongoing Prenatal Care | Percentage with More than 80 Percent of Expected Prenatal Visits | 27 | 56.2 | 62.2 | 43.1 | 71.6 |
| Appropriate Testing for Children with Pharyngitis: 2–18 Years | Percentage who were Dispensed an Antibiotic and Received a Strep Test | 36 | 67.8 | 68.4 | 57.9 | 77.1 |

Performance Rates on Frequently Reported Medicaid/CHIP Children's Health Care Quality Measures, FFY 2013 (continued)

| Measure Description | Measure | Number of States Reporting Using Child Core Set Specifications | Performance Rates | | | |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------|--------|-----------------|-----------------|
| | | | Mean | Median | 25th Percentile | 75th Percentile |
| Follow-Up After Hospitalization for Mental Illness: 6–20 Years | Percentage of Discharges with a Follow-Up Visit within 7 Days | 27 | 46.6 | 42.8 | 33.7 | 62.0 |
| Follow-Up After Hospitalization for Mental Illness: 6–20 Years | Percentage of Discharges with a Follow-Up Visit within 30 Days | 27 | 65.1 | 63.0 | 55.2 | 77.2 |
| Follow-Up Care for Children Prescribed ADHD Medication: 6–12 Years | Percentage with 1 Follow-Up Visit during the Initiation Phase | 31 | 45.6 | 45.8 | 37.2 | 55.7 |
| Follow-Up Care for Children Prescribed ADHD Medication: 6–12 Years | Percentage with at least 2 Follow-Up Visits during the Continuation and Maintenance Phase | 30 | 54.0 | 50.4 | 45.2 | 63.9 |

Source: Based on Mathematica analysis of FFY 2013 Child CARTS reports and Form CMS-416 reports.

Notes: The term "states" includes the 50 states and the District of Columbia.

This table includes data for states that used Child Core Set specifications to report the measures and excludes states that used other specifications and states that did not report the measures for FFY 2013. In cases where a state reported separate rates for its Medicaid and CHIP populations, the rate for the program with the larger measure-eligible population was used. Measure-specific tables are available at <http://www.medicaid.gov/Medicaid-CHIP-Program-Information/By-Topics/Quality-of-Care/Downloads/Performance-on-the-Child-Core-Set-Measures-FFY-2013.zip>.

The Ambulatory Care: Emergency Department Visits measure was excluded from this table due to substantial variation from year to year. The Central Line-Associated Blood Stream Infections (CLABSI) and the CAHPS Health Plan Survey measures were excluded from this table because the measures use a summary statistic different from those in this table.

^a Combination 3 includes four doses of diphtheria, tetanus, and acellular pertussis (DTaP); three doses of polio (IPV); one dose of measles, mumps, and rubella (MMR); at least two doses of H influenza type B (HiB); three doses of hepatitis B (HepB), one dose of chicken pox (VZV); and four doses of pneumococcal conjugate (PCV).

^b Combination 1 includes one dose of meningococcal vaccine and one tetanus, diphtheria toxoids, and acellular pertussis vaccine (Tdap) or one tetanus, diphtheria toxoids vaccine (Td) vaccine.