

2017 Annual

HEDIS/ CAHPS Report

Comparative Analysis of Audited
Results from TennCare MCOs

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Acknowledgements, Acronyms and Initialisms^{1,2}

AAB	Avoidance of Antibiotic Treatment in Adults With Acute Bronchitis	APM.....	Metabolic Monitoring for Children and Adolescents on Antipsychotics
AAP	Adults' Access to Preventive/ Ambulatory Health Services	APP	Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics
ABA	Adult BMI Assessment	ARB.....	Angiotensin Receptor Blocker
ABX	Antibiotic Utilization	ART	Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis
ACE	Angiotensin Converting Enzyme	AWC.....	Adolescent Well-Care Visits
ADD.....	Follow-Up Care for Children Prescribed ADHD Medication	BC.....	Volunteer State Health Plan, Inc, as BlueCare Tennessee
ADHD.....	Attention-Deficit/Hyperactivity Disorder	BCE/BCM/BCW	BC in the Tennessee East, Middle and West Grand Regions
AHRQ.....	Agency for Healthcare Research and Quality	BCS.....	Breast Cancer Screening
AG.....	Amerigroup Community Care, Inc., as Amerigroup	BlueCare®; BlueCare Tennessee SM	registered or service marks of The BlueCross BlueShield Association
AGE/AGM/AGW.....	AG in the Tennessee East, Middle and West Grand Regions	BlueCross BlueShield of Tennessee; BlueCare	licensees of The BlueCross BlueShield Association
AMB.....	Ambulatory Care	BMI	Body Mass Index
AMI.....	Acute Myocardial Infarction	BP	Blood Pressure
AMM	Antidepressant Medication Management	BR.....	Biased Rate
AMR.....	Asthma Medication Ratio	CAHPS®	refers to the Consumer Assessment of Healthcare Providers and Systems
AOD.....	Alcohol or Other Drug		
APC	Use of Multiple Concurrent Antipsychotics in Children and Adolescents		

¹ The source for data contained in this publication is Quality Compass® 2016 and is used with the permission of the National Committee for Quality Assurance (NCQA). Quality Compass 2016 includes certain CAHPS data. Any data display, analysis, interpretation, or conclusion based on these data is solely that of the authors, and NCQA specifically disclaims responsibility for any such display, analysis, interpretation, or conclusion. Quality Compass is a registered trademark of NCQA. CAHPS® is a registered trademark of the Agency for Healthcare Research and Quality (AHRQ).

² Other company and product names may be trademarks of the respective companies with which they are associated. The mention of such companies and product names is with due recognition and without intent to misappropriate such names or marks.

Acknowledgements, Acronyms and Initialisms

CAP	Children and Adolescents' Access to Primary Care Practitioners	FVA	Flu vaccinations for adults ages 18 to 64
CBP	Controlling High Blood Pressure	HbA1c.....	Hemoglobin A1c, also called Glycosylated Hemoglobin, Glycohemoglobin
CCC	Children With Chronic Conditions	HEDIS®	refers to the Healthcare Effectiveness Data and Information Set and is a registered trademark of NCQA
CCS	Cervical Cancer Screening	HCFA	Tennessee Division of Health Care Finance and Administration
CDC	Comprehensive Diabetes Care	HepA	Hepatitis A Vaccination
CHL	Chlamydia Screening in Women	HepB	Hepatitis B Vaccination
CIS	Childhood Immunization Status	HiB.....	H (<i>Haemophilus</i>) Influenza Type B Vaccination
CPA	CAHPS Health Plan Survey 5.0H Adult Version	HPV	Human Papillomavirus Vaccine
CPC	CAHPS Health Plan Survey 5.0H Child Version	HTN.....	Hypertension
COPD.....	Chronic Obstructive Pulmonary Disease	IAD	Identification of Alcohol and Other Drug Services
CVD	Cardiovascular Disease	IET.....	Initiation and Engagement of AOD Dependence Treatment
CWP.....	Appropriate Testing for Children With Pharyngitis	IMA	Immunizations for Adolescents
CY	Calendar Year	IP; IPU.....	Inpatient; IP Utilization – General Hospital/Acute Care
DMARD.....	Disease-Modifying Anti-Rheumatic Drug	IPV.....	Polio Vaccination
DTaP.....	Diphtheria, Tetanus and Acellular Pertussis Vaccination	LBP	Use of Imaging Studies for Low Back Pain
ECDS	Electronic Clinical Data Systems	LDL-C	Low-Density Lipoprotein Cholesterol
ED	Emergency Department	LSC	Lead Screening in Children
ENP	Enrollment by Product Line	MCO	Managed Care Organization
Flu.....	Influenza	MMA.....	Medication Management for People With Asthma
FPC.....	Frequency of Ongoing Prenatal Care	MMR.....	Measles, Mumps and Rubella Vaccination
FSP.....	Frequency of Selected Procedure	MPM	Annual Monitoring for Patients on Persistent Medications
FUH	Follow-Up After Hospitalization for Mental Illness	MPT	Mental Health Utilization
FUM	Follow-Up After ED Visit for Mental Illness		
FUA	Follow-Up After ED Visit for Alcohol and Other Drug Dependence		

Acknowledgements, Acronyms and Initialisms

MSC.....	Medical Assistance With Smoking and Tobacco Use Cessation	SMC	Cardiovascular Monitoring for People With Cardiovascular Disease and Schizophrenia
MY	Measurement Year	SMD	Diabetes Monitoring for People With Diabetes and Schizophrenia
NA	Not Applicable	SPC	Statin Therapy for Patients With CVD
NB	No Benefit	SPD.....	Statin Therapy for Patients With Diabetes
NCQA.....	National Committee for Quality Assurance	SPR	Use of Spirometry Testing in the Assessment and Diagnosis of COPD
NCQA HEDIS Compliance Audit™	trademark of NCQA	SSD.....	Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medications
NCS	Non-Recommended Cervical Cancer Screening in Adolescent Females	Strep	Streptococcus
NR	Not Reported	TennCare	HCFA Medicaid program in Tennessee
NQ.....	Not Required	Td; Tdap	Tetanus, Diphtheria Toxoids Vaccine; Td and Acellular Pertussis Vaccine
OB-GYN.....	Obstetrician-Gynecologist	TCS	Volunteer State Health Plan, Inc. d.b.a. TennCareSelect statewide
PBH	Persistence of Beta-Blocker Treatment After a Heart Attack	UHC	UnitedHealthcare Plan of the River Valley, Inc. d.b.a. UnitedHealthcare
PCE.....	Pharmacotherapy Management of COPD Exacerbation	UHCE/UHCM/UHCW	UHC in the Tennessee East, Middle and West Grand Regions
PCP.....	Primary Care Practitioner	UN	Un-Audited
PCV	Pneumococcal Conjugate Vaccination	URI	Upper Respiratory Infection, and the measure: Appropriate Treatment for Children With URI
PMPY.....	Per Member Per Year	VZV.....	Chicken Pox/Varicella Zoster Vaccination
PPC.....	Prenatal and Postpartum Care	W15	Well-Child Visits in the First 15 Months of Life
Qsource®	a registered trademark	W34	Well-Child Visits in the Third, Fourth, Fifth, and Sixth Years of Life
Quality Compass®	a registered trademark of NCQA, the comprehensive national database of health plans' HEDIS and CAHPS results	WCC.....	Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents
R	Reportable		
RA	Rheumatoid Arthritis		
RV	Rotavirus Vaccination		
SAA	Adherence to Antipsychotic Medications for Individuals With Schizophrenia		

Executive Summary

Medicaid managed care organizations (MCOs) are required to report a full Healthcare Effectiveness Data and Information Set (HEDIS) as a part of the accreditation mandates in Tennessee. The HEDIS requirement is an integral part of the accreditation process of the National Committee for Quality Assurance (NCQA). In 2006, Tennessee became the first state in the nation requiring all MCOs to become accredited by NCQA, an independent, not-for-profit organization that assesses and scores MCO performance on important dimensions of care and service in a broad range of health issues.

More than 90% of health plans in America use the HEDIS tool because its standardized measures of MCO performance allow comparisons to national averages and benchmarks as well as between a state's MCOs, and over time. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) set of standardized surveys is included in HEDIS to measure members' satisfaction with their care. This *2017 HEDIS/CAHPS Report* summarizes the results for the MCOs contracting with TennCare, the Medicaid program of the Tennessee Division of Health Care Finance and Administration (HCFA).

For an overview of the performance of TennCare's MCOs, a calculated weighted average of the scores of all those reporting is provided alongside national averages in the [Statewide](#)

[Performance](#) section. MCO-specific measures are presented in the [Individual Plan Performance](#) section for cross-comparison with color-coding for national and state benchmark comparison where available/applicable. Weighted average performances of Tennessee's MCOs since 2006 on certain measures are presented in the [HEDIS Trending](#) section. The HEDIS and CAHPS results for CoverKids, Tennessee's Children's Health Insurance Plan (CHIP) are reported separately in [CHIP HEDIS/CAHPS Results](#).

[Appendix A](#) contains a comprehensive table of plan-specific results for HEDIS 2017 Utilization Measures and HEDIS 2016 national benchmarks. The table in [Appendix B](#) contains the HEDIS 2016 National Medicaid Means and Percentiles for reference to these benchmarks, and the table in [Appendix C](#) reveals populations reported by MCOs in member months by age and sex for HEDIS 2017. [Appendix D](#) presents the reporting options for each measure, whether administrative, hybrid or both. [Appendix E](#) offers additional utilization measures, frequencies and population by member months for the CHIP.

Background

HEDIS Measures—Domains of Care

HEDIS is an important tool designed to ensure the public has the information needed to reliably compare the performance of managed healthcare plans. Standardized methodologies incorporating statistically valid samples of members ensure the integrity of measure reporting and help purchasers make more reliable, relevant comparisons between health plans. HEDIS measures are subject to a NCQA HEDIS Compliance Audit that must be conducted by an NCQA-certified HEDIS Compliance Auditor under the auspices of an NCQA-licensed organization. This ensures the integrity of the HEDIS collection and calculation process at each MCO through an overall information systems capabilities assessment, followed by an evaluation of the ability to comply with HEDIS specifications.

The HEDIS rates presented in this report refer to data collected during the review period of the previous calendar year (CY), from January 1 to December 31. For HEDIS 2017 results, CY2016 was the review period. Similarly, comparative data presented in this report from the HEDIS 2016 Medicaid Means and Percentiles reflect data procured during CY2015.

HEDIS 2017 assesses care across body systems, access to and satisfaction with healthcare services and specific utilization

through a total of 91 measures (Commercial, Medicare and Medicaid) across seven domains of care:

- ◆ Effectiveness of Care
- ◆ Access/Availability of Care
- ◆ Utilization and Risk Adjusted Utilization
- ◆ Relative Resource Use
- ◆ Experience of Care (CAHPS Survey Results)
- ◆ Health Plan Descriptive Information
- ◆ Measures Collected Using Electronic Clinical Data Systems (ECDS)

The following brief descriptions of selected HEDIS measures were extracted from NCQA's *HEDIS 2017 Volume 2: Technical Specifications*, which includes additional information related to each measure. The measures presented in this report reflect data submitted from the following domains of care: Effectiveness of Care, Access/Availability of Care, Utilization, and Experience of Care. Per NCQA, Relative Resource Use measures were not collected for HEDIS 2017.

Effectiveness of Care Measures

The measures in the Effectiveness of Care domain assess the quality of clinical care delivered within an MCO. Measures in this domain address how well the MCO delivers widely accepted preventive services and recommended screening for common diseases. The domain also includes some measures for

overuse and patient safety and addresses four major aspects of clinical care:

1. How well the MCO delivers preventive services and keeps members healthy
2. Whether members are offered the most up-to-date treatments for acute episodes of illness and get better
3. How well the MCO delivers care and assistance with coping to members with chronic diseases
4. Whether members can get appropriate tests

Starting with HEDIS 2008 reporting, Effectiveness of Care measures were grouped into more specific clinical categories, which have slightly changed:

- ◆ Prevention and Screening
- ◆ Respiratory Conditions
- ◆ Cardiovascular Conditions
- ◆ Diabetes
- ◆ Musculoskeletal Conditions
- ◆ Behavioral Health
- ◆ Medication Management
- ◆ Overuse/Appropriateness
- ◆ Measures collected by the CAHPS Health Plan Survey

Only certain measures from these categories are presented in this report, which does not include the additional category in this domain specific to Medicare. For some measures, eligible members cannot have more than one gap in continuous enrollment of up to 45 days during the measurement year (MY).

Prevention and Screening

Immunization measures follow guidelines for immunizations from the Centers for Disease Control and Prevention and the Advisory Committee on Immunization Practices. HEDIS implements changes (e.g., new recommendations) after three years, to account for the measures' look-back period and to allow the industry time to adapt to new guidelines.

Adult BMI Assessment (ABA)

ABA measures the percentage of members 18 to 74 years of age who had an outpatient visit and whose body mass index (BMI) was documented during the MY or the year prior to the MY.

Weight Assessment and Counseling for Nutrition and Physical Activity for Children/ Adolescents (WCC)

WCC measures the percentage of members 3 to 17 years of age who had an outpatient visit with a primary care practitioner (PCP) or obstetrician-gynecologist (OB-GYN) and who had evidence of BMI percentile documentation, counseling for nutrition and counseling for physical activity during the MY.

Note: Because BMI norms for youth vary with age and gender, this measure evaluates whether BMI percentile is assessed not an absolute BMI value.

Childhood Immunization Status (CIS)

CIS assesses the percentage of children who became two years of age and who, on or before two years of age, had four diphtheria, tetanus, acellular pertussis (DTaP); three polio (IPV); one measles, mumps, and rubella (MMR); three *Haemophilus influenzae* type B (HiB); three hepatitis B (HepB);

one chicken pox/varicella zoster (VZV); four pneumococcal conjugate (PCV); one hepatitis A (HepA); two or three rotavirus (RV); and two influenza (Flu) vaccines. The measure calculates a rate for each vaccine and nine separate combination rates numbered 2 to 10 as shown in **Table CIS**.

Table CIS. Combination Vaccinations for Childhood Immunization Status (CIS)

#	DTaP	IPV	MMR	HiB	HepB	VZV	PCV	HepA	RV	Flu
2	✓	✓	✓	✓	✓	✓				
3	✓	✓	✓	✓	✓	✓	✓			
4	✓	✓	✓	✓	✓	✓	✓	✓		
5	✓	✓	✓	✓	✓	✓	✓		✓	
6	✓	✓	✓	✓	✓	✓	✓			✓
7	✓	✓	✓	✓	✓	✓	✓	✓	✓	
8	✓	✓	✓	✓	✓	✓	✓	✓		✓
9	✓	✓	✓	✓	✓	✓	✓		✓	✓
10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Immunizations for Adolescents (IMA)

IMA measures the percentage of adolescents 13 years of age who had one dose of meningococcal vaccine and one dose of tetanus, diphtheria toxoids and acellular pertussis vaccine (Tdap), and three doses of the human papillomavirus vaccine (HPV) by the 13th birthday, calculating the rate for each vaccine and two combinations: meningococcal and Tdap/Td; and meningococcal, Tdap/Td and HPV.

IMA criteria was revised for HEDIS 2017 to remove polysaccharide vaccines. The HPV measure for female adolescents was retired for HEDIS 2017 and

incorporated into IMA. Revised to indicate that prior year rates may not be used to reduce the sample for IMA hybrid methodology.

Lead Screening in Children (LSC)

LSC assesses the percentage of children two years of age who had one or more capillary or venous lead blood tests for lead poisoning on or before the second birthday.

Breast Cancer Screening (BCS)

BCS measures the percentage of female members 50 to 74 years of age who had a mammogram to screen for breast cancer between October 1 two years prior to the MY, and through December 31 of the MY.

Note: This measure does not include biopsies, breast ultrasounds, MRIs or diagnostic screenings because they are not appropriate methods for primary breast cancer screening. HEDIS 2016 added new value sets to identify bilateral mastectomy.

Cervical Cancer Screening (CCS)

CCS measures the percentage of women 21 to 64 years of age who were appropriately screened for cervical cancer using either of the following criteria:

- ◆ Women age 21–64 who had cervical cytology performed every three years
- ◆ Women age 30–64 who had cervical cytology/HPV co-testing performed every five years

Note: For HEDIS 2017, medical record requirements clarified that reflex testing would not meet criteria for hybrid specification.

Chlamydia Screening in Women (CHL)

CHL assesses the percentage of women 16 to 24 years of age who were identified as sexually active and who had at least one test for chlamydia during the MY. This measure calculates a total rate as well as two age stratifications:

- ◆ Women age 16–20
- ◆ Women age 21–24

Respiratory ConditionsAppropriate Testing for Children With Pharyngitis (CWP)

CWP measures the percentage of children 3 to 18 years of age who were diagnosed with pharyngitis, dispensed an antibiotic prescription on or during the three days after the episode date, and received a group A streptococcus (strep) test for the episode. A higher rate represents better performance (i.e., appropriate testing).

Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)

SPR reports the percentage of members 40 years of age and older with a new diagnosis or newly active chronic obstructive pulmonary disease (COPD) who received appropriate spirometry testing to confirm the diagnosis.

Pharmacotherapy Management of COPD Exacerbation (PCE)

PCE assesses the percentage of COPD exacerbation for members 40 years of age and older who had an acute inpatient (IP) discharge or emergency department (ED) visit on or

between January 1 and November 30 of the MY and who were dispensed appropriate medications. Two rates are reported:

- ◆ Dispensed a systemic corticosteroid (or there was evidence of an active prescription) within 14 days of the event
- ◆ Dispensed a bronchodilator (or there was evidence of an active prescription) within 30 days of the event

Note: The eligible population for this measure is based on acute IP discharges and ED visits, not on members. The denominator may include multiple events for the same individual. For HEDIS 2017, the exclusion was deleted for Episode Dates when there was a readmission or an ED visit within 14 days.

Medication Management for People With Asthma (MMA)

MMA records the percentage of members 5 to 64 years of age during the MY who were identified as having persistent asthma and were dispensed appropriate medications that they remained on during the treatment period.

Two rates are reported for the percentage of members who remained on an asthma controller medication:

- ◆ For at least 50% of their treatment period
- ◆ For at least 75% of their treatment period

For MMA, a total rate and four age stratifications are reported:

- ◆ 5–11 years
- ◆ 12–18 years
- ◆ 19–50 years
- ◆ 51–64 years

Asthma Medication Ratio (AMR)

AMR assesses the percentage of members 5 to 64 years of age who were identified as having persistent asthma and had a ratio

of controller medications to total asthma medications of 0.50 or greater during the MY. This measure calculates a total rate as well as four age stratifications:

- ◆ 5–11 years
- ◆ 12–18 years
- ◆ 19–50 years
- ◆ 51–64 years

Cardiovascular Conditions

Controlling High Blood Pressure (CBP)

CBP reports the percentage of members 18 to 85 years of age who had a diagnosis of hypertension (HTN) and whose blood pressure (BP) was adequately controlled during the MY, a single rate based on a sum of the following criteria groups by age:

- ◆ Members 18–59 years whose BP was <140/90 mm Hg
- ◆ Members 60–85 years with a diagnosis of diabetes whose BP was <140/90 mm Hg
- ◆ Members 60–85 years without a diagnosis of diabetes whose BP was <150/90 mm Hg

Persistence of Beta-Blocker Treatment After a Heart Attack (PBH)

PBH measures the percentage of members 18 years of age and older during the measurement year who were hospitalized and discharged from July 1 of the year prior to the measurement year to June 30 of the measurement year with a diagnosis of acute myocardial infarction (AMI) and who received persistent beta-blocker treatment for six months after discharge.

Statin Therapy for Patients With Cardiovascular Disease (SPC)

SPC reports the percentage of members identified as having clinical atherosclerotic cardiovascular disease (CVD) and who met the following criteria:

- ◆ *Received Statin Therapy*—Members who were dispensed at least one high or moderate-intensity statin medication during the MY
- ◆ *Statin Adherence 80%*—Members who remained on a high or moderate-intensity statin medication for at least 80% of the treatment period

For SPC, a total rate and two stratifications of gender and age (as of December 31 of the MY) are reported:

- ◆ Males 21–75 years
- ◆ Females 40–75 years

Diabetes

Comprehensive Diabetes Care (CDC)

The CDC composite of seven rates measures an MCO's performance on clinical management in aspects of diabetic care through the percentage of a single sample of diabetic members (type 1 and type 2) 18 to 75 years of age who met the criteria by having the following during the MY:

- ◆ Hemoglobin A1c (HbA1c) blood test
- ◆ Poorly controlled diabetes (HbA1c >9.0%)
Note: a lower rate indicates better performance (i.e., low rates of poor control indicate better care)
- ◆ Controlled diabetes (most recent HbA1c <8.0%)

- ◆ Controlled diabetes (most recent HbA1c <7.0%) for a selected population
- ◆ Eye exam (retinal)
- ◆ Medical attention for nephropathy
- ◆ Controlled blood pressure (<140/90 mm Hg)

Note: HEDIS 2017 added glycohemoglobin, glycated hemoglobin and glycosylated hemoglobin as acceptable HbA1c tests.

Statin Therapy for Patients With Diabetes (SPD)

SPD reports the percentage of members 40 to 75 years of age who do not have atherosclerotic CVD and met the following criteria reported as two rates:

- ◆ *Received Statin Therapy*—Members who were dispensed at least one statin medication of any intensity during the MY
- ◆ *Statin Adherence 80%*—Members who remained on a statin medication of any intensity for at least 80% of the treatment period

Musculoskeletal Conditions

Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis (ART)

ART assesses whether members who were diagnosed with rheumatoid arthritis (RA) were prescribed a disease-modifying anti-rheumatic drug (DMARD) to attenuate the damaging progression, reduce inflammation and improve functional status. The rate is the percentage of members diagnosed with RA, and not HIV or pregnancy, who were dispensed at least one ambulatory prescription for a DMARD during the MY.

Behavioral Health

Antidepressant Medication Management (AMM)

AMM measures the percentage of members 18 years of age and older who were treated with antidepressant medication, had a diagnosis of major depression and who remained on an antidepressant medication treatment. Two rates are reported:

- ◆ *Effective Acute Phase Treatment*—The percentage who remained on medication for at least 84 days (12 weeks)
- ◆ *Effective Continuation Phase Treatment*—The percentage who remained on medication for at least 180 days (6 months)

Follow-Up Care for Children Prescribed ADHD Medication (ADD)

ADD assesses the percentage of children newly prescribed attention-deficit/hyperactivity disorder (ADHD) medication who had at least three follow-up care visits within a 10-month period, one of these visits must have been within 30 days of the earliest ambulatory prescription dispensed for ADHD medication, at which time the member must have been 6 to 12 years of age. Two rates are reported:

- ◆ *Initiation Phase*—The percentage who had one follow-up visit with a practitioner with prescribing authority during the 30-day Initiation Phase
- ◆ *Continuation and Maintenance Phase*—The percentage who remained on the medication for at least 210 days and who, in addition to the Initiation Phase follow-up, had at

least two follow-up visits with a practitioner within 270 days (nine months) of the end of the Initiation Phase

Follow-Up After Hospitalization for Mental Illness (FUH)

FUH examines continuity of care for mental illness through the percentage of discharges for members six years of age and older who were hospitalized for selected mental illness diagnoses and who had a follow-up visit with a mental health practitioner. Two rates are reported as the percentage of discharges for which the member received follow-up within the following:

- ◆ 7 days of discharge
- ◆ 30 days of discharge

Follow-Up After Emergency Department Visit for Mental Illness (FUM)

FUM is the percentage of members 6 years of age and older with a principal diagnosis of mental illness, who had a follow-up visit for mental illness. Two rates are reported as the percentage of ED visits for which the member received follow-up within the following:

- ◆ 7 days of discharge
- ◆ 30 days of discharge

Follow-Up After Emergency Department Visit for Alcohol and Other Drug Dependence (FUA)

FUA is the percentage of members 6 years of age and older with a principal diagnosis of mental illness, who had a follow-up visit for mental illness. Two rates are reported as the percentage of ED visits for which the member received follow-up within the following:

- ◆ 7 days of discharge
- ◆ 30 days of discharge

For FUA, a total rate and two age stratifications are reported:

- ◆ 13–17 years
- ◆ 18 years and older

Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medications (SSD)

SSD measures the percentage of members 18 to 64 years of age with schizophrenia or bipolar disorder who were dispensed an antipsychotic medication and had a diabetes screening test during the MY.

Diabetes Monitoring for People With Diabetes and Schizophrenia (SMD)

SMD is the percentage of members 18 to 64 years of age with schizophrenia and diabetes who had both a low-density lipoprotein cholesterol (LDL-C) test and an HbA1c test during the MY.

Cardiovascular Monitoring for People With Cardiovascular Disease and Schizophrenia (SMC)

SMC reports the percentage of members 18 to 64 years of age with schizophrenia and CVD who had an LDL-C test during the MY.

Adherence to Antipsychotic Medications for Individuals With Schizophrenia (SAA)

SAA assesses the percentage of members with schizophrenia who were 19 to 64 years of age during the MY who were dispensed and remained on an antipsychotic medication for at least 80% of their treatment period.

Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM)

APM measures the percentage of children and adolescents 1 to 17 years of age who had two or more antipsychotic prescriptions and had metabolic testing. It calculates a total rate as well as three age stratifications:

- ◆ 1–5 years
- ◆ 6–11 years
- ◆ 12–17 years

Medication Management

Annual Monitoring for Patients on Persistent Medications (MPM)

MPM reports the percentage of members 18 years of age and older who received at least 180 treatment days of ambulatory medication therapy for a select therapeutic agent during the MY and at least one therapeutic monitoring event for the therapeutic agent in the MY. Three rates are reported separately and as a sum total rate:

- ◆ Annual monitoring for members on angiotensin converting enzyme (ACE) inhibitors or angiotensin receptor blocker (ARB)
- ◆ Annual monitoring for members on digoxin
- ◆ Annual monitoring for members on diuretics

Overuse/Appropriateness

Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)

NCS records the percentage of adolescent females 16 to 20 years of age who were screened unnecessarily for cervical cancer.

Note: A lower rate indicates better performance.

Appropriate Treatment for Children With Upper Respiratory Infection (URI)

This measures the percentage of children 3 months to 18 years of age who were given a diagnosis of upper respiratory infection (URI) and were not dispensed an antibiotic prescription. This measure is reported as an inverted rate $[1 - (\text{numerator}/\text{eligible population})]$, with a higher rate indicating appropriate treatment of children with URI (i.e., the proportion for whom antibiotics were not prescribed).

Avoidance of Antibiotic Treatment in Adults With Acute Bronchitis (AAB)

AAB reports the percentage of adults 18 to 64 years of age with a diagnosis of acute bronchitis who were not dispensed an antibiotic prescription. This measure is reported as an inverted rate $[1 - (\text{numerator}/\text{eligible population})]$, with a higher rate indicating appropriate treatment of adults with acute bronchitis (i.e., the proportion for whom antibiotics were not prescribed).

Use of Imaging Studies for Low Back Pain (LBP)

LBP assesses the percentage of members with a primary diagnosis of low back pain who did not have an imaging study (plain X-ray, MRI, CT scan) within 28 days of the diagnosis. This measure is reported as an inverted rate [1 - (numerator/eligible population)], with a higher rate indicating an appropriate treatment of low back pain (i.e., the proportion for whom imaging studies did not occur).

Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC)

APC measures the percentage of children and adolescents 1 to 17 years of age who were on two or more concurrent antipsychotic medications. This measure calculates a total rate as well as three age stratifications:

- ◆ 1–5 years
- ◆ 6–11 years
- ◆ 12–17 years

Note: For this measure, a lower rate indicates better performance (i.e., low rates of concurrent antipsychotics indicate better care).

Measures Collected Through CAHPS Health Plan SurveyFlu vaccinations for adults ages 18 to 64 (FVA)

FVA reports the percentage of members 18 to 64 years of age who received a flu vaccination between July 1 of the MY and the date when the CAHPS Health Plan Survey 5.0H Adult Version (CPA) was completed.

Medical Assistance With Smoking and Tobacco Use Cessation (MSC)

This measure is collected using the survey methodology to arrive at a rolling average that represents the percentage of members 18 years of age and older who were current smokers or tobacco users seen during the MY.

MSC assesses the following facets of providing medical assistance with smoking and tobacco use cessation:

- ◆ *Advising Smokers and Tobacco Users to Quit*—Those who received advice to quit
- ◆ *Discussing Cessation Medications*—Those for whom cessation medications were recommended or discussed
- ◆ *Discussing Cessation Strategies*—Those for whom cessation methods or strategies were provided or discussed

Percentage of Current Smokers is not a HEDIS performance measure, but provides additional information to support analysis of other MSC data. The MCOs started reporting this data in 2015 in CAHPS results; subsequently, the rates have been added to this report.

Access/Availability of Care Measures

The measures in the Access/Availability of Care domain evaluate how members access important and basic services of their MCO. Included are measures of overall access, how many

members are actually using basic MCO services, and the use and availability of specific services.

Adults' Access to Preventive/Ambulatory Health Services (AAP)

This measures the percentage of members 20 years and older who had an ambulatory or preventive care visit during the MY to assess whether adult members have access to/receive such services. MCOs report a total rate and three age stratifications:

- ◆ 20–44 years
- ◆ 45–64 years
- ◆ ≥ 65 years

Note: Rates for adults 65 years of age and older are not included in this report as those services would be provided by Medicare. Because the total rate would include this age group, it has been excluded from this report as well.

Children and Adolescents' Access to Primary Care Practitioners (CAP)

CAP assesses general access to care for children and adolescents through the percentage of members 12 months to 6 years of age who had a visit with a PCP (e.g., pediatrician, family physician) during the MY, and members 7 to 19 years of age who had a visit with a PCP during the MY or the year prior. MCOs report four separate percentages:

- ◆ 12–24 months
- ◆ 25 months – 6 years
- ◆ 7–11 years
- ◆ 12–19 years

Initiation and Engagement of Alcohol and Other Drug Dependence Treatment (IET)

IET assesses adolescent and adult members 13 years of age and older who demonstrated a new episode of alcohol or other drug (AOD) dependence and received the following:

- ◆ *Initiation of AOD Treatment*—Initial treatment through an inpatient AOD admission, outpatient visit, intensive outpatient encounter or patient hospitalization within 14 days of diagnosis
- ◆ *Engagement of AOD Treatment*—Two or more services with an AOD diagnosis within 30 days of the initiation visit in addition to initiating treatment

MCOs report a total rate and two age stratifications for each:

- ◆ 13–17 years
- ◆ ≥ 18 years

Prenatal and Postpartum Care (PPC)

PPC measures the percentage of live birth deliveries between November 6 of the year prior to the MY and November 5 of the MY. For these women, the composite assesses the percentage of deliveries where members received the following PPC facets:

- ◆ *Timeliness of Prenatal Care*—Received a prenatal care visit as a member of the MCO in the first trimester *or* within 42 days of MCO enrollment
- ◆ *Postpartum Care*—Had a postpartum visit on or between 21 and 56 days after delivery

Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP)

APP measures the percentage of children and adolescents 1 to 17 years of age who had a new prescription for an antipsychotic medication and had documentation of psychosocial care as

first-line treatment. MCOs report a total rate and three age stratifications:

- ◆ 1–5 years
- ◆ 6–11 years
- ◆ 12–17 years

Utilization and Risk-Adjusted Utilization

This domain name was adjusted for HEDIS 2017, but still consists of utilization measures designed to capture the frequency of certain services provided for MCOs' internal evaluation only; NCQA does not view higher or lower service counts as indicating better or worse performance. **Risk-Adjusted Utilization** measures are for commercial or Medicare lines, and so are not included in this report. Two kinds of measures are included in **Utilization**:

- ◆ Measures that express rates of service in per 1,000 member years/months (defined/reported in [Appendix A](#))
- ◆ Measures as percentages of members receiving specified services (similar to Effectiveness of Care Domain, defined in this section with data in the [Results tables](#))

The two Medicaid categories (Disabled and Low-Income) for Utilization Measures are reported separately and as a total rate. However, the total rate includes the category of Medicaid and Medicare dual eligibles, and those members are part of dual-eligible special needs plans (D-SNPs) reported separately to HCFA via Qsource's *Annual HEDIS D-SNPs Report*.

Frequency of Ongoing Prenatal Care (FPC)

FPC is the percentage of members who delivered a child between November 6 of the year prior to the MY and November 5 of the MY, and received the expected number of prenatal care visits. This measure uses the same denominator, structure and calculation guidelines as [PPC](#). Rates are reported by the percentage of expected visits:

- ◆ < 21%
- ◆ 21– 40%
- ◆ 41– 60%
- ◆ 61– 80%
- ◆ ≥ 81%

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

W15 assesses the percentage of members who turned 15 months old during the MY and who had the following number of well-child visits with a PCP during their first 15 months of life: zero, one, two, three, four, five, or six or more. This measure uses the same structure and calculation guidelines as those in the Effectiveness of Care domain.

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

W34 reports the percentage of members who were 3 to 6 years of age who had one or more well-child visits with a PCP during the MY. This measure uses the same structure and calculation guidelines as those in the Effectiveness of Care domain.

Adolescent Well-Care Visits (AWC)

AWC assesses the percentage of enrolled members 12 to 21 years of age who had at least one comprehensive well-care visit

with a PCP or an OB-GYN practitioner during the MY. This measure uses the same structure and calculation guidelines as those in the Effectiveness of Care domain.

Experience of Care

For a plan's results in this domain to be considered reliable, the Medicaid MCO must follow one of the standard CAHPS protocols or an enhanced protocol approved by NCQA. Details regarding this calculation methodology and the questions used in each composite are included in *HEDIS 2016, Volume 3: Specifications for Survey Measures*.

CAHPS Health Plan Survey 5.0H Adult Version (CPA) and 5.0H Child Version (CPC)

The CPA and CPC are tools for measuring consumer healthcare satisfaction with the quality of care and customer service provided by their MCOs.

These survey tools include five composites asked of members (CPA) or parents of child members (CPC):

- ◆ Getting Needed Care
- ◆ Getting Care Quickly
- ◆ How Well Doctors Communicate
- ◆ Customer Service
- ◆ Shared Decision Making

Each composite category represents an overall aspect of plan quality, how well the MCO meets members' expectations.

There are four global rating questions that use a 0–10 scale to assess overall experience:

- ◆ Rating of All Health Care
- ◆ Rating of Personal Doctor
- ◆ Rating of Specialist Seen Most Often
- ◆ Rating of Health Plan

For these scaled responses, a 0 represents the 'worst possible' and 10 represents the 'best possible' healthcare received in the last six months. Summary rates represent the percentage of members who responded with a 9 or 10. Additional Health Promotion and Education as well as Coordination of Care questions use the same calculations.

For any given CPA and CPC question used in a composite, the percentage of respondents answering in a certain way is calculated for each MCO. Summary rates represent the percentage of members who responded in the most positive way, as defined by NCQA. The following descriptions provide a brief explanation of the five composite categories.

Getting Needed Care

The Getting Needed Care Composite measures the ease with which members were able to access care, tests, or treatments needed in the last 6 months. The summary rate represents the percentage of members who responded 'Always' or 'Usually' to specified questions.

Getting Care Quickly

The Getting Care Quickly Composite measures the ease with which members were able to access care quickly, including getting appointments as soon as needed, in the last 6 months. The summary rate represents the percentage of members who responded 'Always' or 'Usually' to specified questions.

How Well Doctors Communicate

The How Well Doctors Communicate Composite evaluates provider-patient communications for the last 6 months by asking members how often their personal doctor listens carefully, explains things in a way to easily understand, shows respect for what they have to say and spends enough time with them. The summary rate represents the percentage of members who responded 'Always' or 'Usually' to specified questions.

Customer Service

The Customer Service Composite measures how often members were able to get information and help from an MCO and how well they were treated by the MCO's customer service in the last 6 months. The summary rate represents the percentage of members who responded 'Always' or 'Usually' to specified questions.

Shared Decision Making

The Shared Decision Making Composite measures how often doctors offered choices regarding healthcare, mentioned the good and bad things associated with each treatment option, the

extent to which doctors requested input regarding healthcare preferences, and how often doctors involved members in the decision-making process, according to their preference. The summary rate represents the percentage of members who responded 'Yes' to specified questions. Means and variances are not calculated for this composite.

Children With Chronic Conditions (CCC)

The CAHPS Consortium decided in 2002 to integrate a new set of items in the 3.0H version of the CAHPS Health Plan Survey child questionnaires (now 5.0H) to better address the needs of children with chronic conditions, commonly referred to as children with special healthcare needs. CCC is designed for children with a chronic physical, developmental, behavioral or emotional condition and who also require health and related services of a type or amount beyond that generally required by children. Three composites summarize parents' satisfaction with basic components of care essential for successful treatment, management and support of children with chronic conditions:

- ◆ Access to Specialized Services
- ◆ Family Centered Care: Personal Doctor Who Knows Child
- ◆ Coordination of Care for CCC

Summary rates are reported for each composite and are reported individually for two concepts:

- ◆ Access to Prescription Medicines
- ◆ Family Centered Care: Getting Needed Information

Health Plan Descriptive Information Measures

These measures help describe an MCO's structure, staffing and enrollment—factors that contribute to its ability to provide effective healthcare to Medicaid members.

Enrollment by Product Line (ENP)

ENP reports the total number of members enrolled in the product line, stratified by age and gender (for the MCOs, reported as ENPA: Total Medicaid). These results are included in [Appendix D](#) as population in member months by MCO and Tennessee Grand Region served.

Measures Collected Using Electronic Clinical Data Systems (ECDS)

This domain requires automated and accessible data by the healthcare team at the point of care, data shared between clinicians and health plans to promote quality improvement across the care continuum. To qualify for HEDIS ECDS reporting, the data must use standard layouts, meet the measure specification requirements and the information must be accessible by the care team responsible for the member's healthcare needs.

This domain is not required to be reported by the MCOs, hence, not included in this report.

Medicaid Results

Statewide Performance

In conjunction with NCQA accreditation, TennCare MCOs are required to submit a full set of audited HEDIS measures to NCQA and TennCare each year. For HEDIS 2017, this included the statewide MCO Volunteer State Health Plan, Inc., doing business as TennCareSelect (**TCS**), and three statewide MCOs doing business in each respective Grand Region (East, Middle and West): Amerigroup Community Care, Inc., as Amerigroup (AG—**AGE**, **AGM** and **AGW**); Volunteer State Health Plan, Inc., as BlueCare Tennessee (BC—**BCE**, **BCM** and **BCW**); and UnitedHealthcare Plan of the River Valley, Inc., as UnitedHealthcare (UHC—**UHCE**, **UHCM** and **UHCW**).

Tables 1 (a and b), 2 and 3 summarize the weighted average TennCare score for each of the selected HEDIS 2016 and HEDIS 2017 measures as well as the HEDIS 2016 Medicaid National Average. The Medicaid National Average represents the sum of the reported rates divided by the total number of health plans

reporting the rate. Weighted state rates are determined by applying the size of the eligible population within each plan to their overall results. Using this methodology, plan-specific findings contribute to the TennCare statewide estimate, proportionate to eligible population size.

Where possible in **Tables 1 (a and b), 2 and 3**, the statewide changes for each measure reported during both HEDIS 2016 and HEDIS 2017 are presented. The column titled ‘Change 2016 to 2017’ indicates whether there was an improvement (↑) or a decline (↓) in statewide performance for the measure from HEDIS 2016 to HEDIS 2017. Cells are shaded gray for those measures that were not calculated or for which data were not reported. Each year some measures’ technical specifications change. Based on whether the changes are significant or minor, the measures may need to be trended with caution or may not be able to be trended. At the time this report was finalized, NCQA did not determine the ability for 2017 measures to be trended.

Table 1a. HEDIS 2017 State to National Medicaid Rates: Effectiveness of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Prevention and Screening				
Adult BMI Assessment (ABA)	82.46%	86.96%	80.77%	↑
Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents (WCC):				
BMI Percentile: 3–11 years	71.33%	75.08%	64.83%	↑
12–17 years	65.74%	71.33%	63.19%	↑
Total	69.55%	73.88%	64.37%	↑
Counseling for Nutrition: 3–11 years	62.76%	66.25%	61.62%	↑
12–17 years	54.98%	61.33%	57.30%	↑
Total	60.29%	64.66%	60.22%	↑
Counseling for Physical Activity: 3–11 years	53.08%	55.64%	52.40%	↑
12–17 years	54.47%	59.45%	55.24%	↑
Total	53.59%	56.89%	53.44%	↑
Childhood Immunization Status (CIS):				
DTaP/DT	76.91%	73.60%	76.33%	↓
IPV	91.23%	89.47%	87.70%	↓
MMR	88.46%	86.49%	89.21%	↓
HiB	88.77%	86.28%	87.62%	↓
HepB	92.14%	90.60%	87.70%	↓
VZV	88.52%	86.55%	88.79%	↓
PCV	79.20%	75.52%	76.53%	↓
HepA	87.18%	85.67%	83.70%	↓
RV	69.62%	68.68%	67.94%	↓
Influenza	42.86%	37.56%	45.74%	↓
Combination 2	74.27%	70.82%	72.46%	↓
Combination 3	71.08%	68.02%	68.99%	↓
Combination 4	70.27%	67.66%	65.91%	↓

Table 1a. HEDIS 2017 State to National Medicaid Rates: Effectiveness of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Combination 5	57.87%	56.44%	57.21%	↓
Combination 6	37.28%	32.31%	39.01%	↓
Combination 7	57.32%	56.20%	55.17%	↓
Combination 8	37.02%	32.19%	38.01%	↓
Combination 9	31.78%	28.06%	33.86%	↓
Combination 10	31.64%	27.94%	33.24%	↓
Immunizations for Adolescents (IMA):				
Meningococcal	67.84%	69.74%	74.79%	↑
Tdap/Td	81.80%	82.75%	83.36%	↑
HPV*	15.89%	13.23%	22.71%	↓
Combination 1	67.13%	68.87%	72.66%	↑
Combination 2**		12.55%		
Lead Screening in Children (LSC)	70.29%	70.64%	66.50%	↑
Breast Cancer Screening (BCS)	54.47%	54.90%	58.50%	↑
Cervical Cancer Screening (CCS)	55.60%	59.21%	55.85%	↑
Chlamydia Screening in Women (CHL):				
16–20 years	48.17%	49.57%	51.49%	↑
21–24 years	54.61%	57.38%	60.65%	↑
Total	51.19%	52.76%	55.27%	↑
Respiratory Conditions				
Appropriate Testing for Children With Pharyngitis (CWP)	79.45%	82.67%	71.12%	↑
Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)	31.36%	31.72%	30.96%	↑
Pharmacotherapy Management of COPD Exacerbation (PCE):				
Systemic corticosteroid	52.23%	47.75%	67.10%	↓
Bronchodilator	75.41%	72.71%	79.92%	↓

Table 1a. HEDIS 2017 State to National Medicaid Rates: Effectiveness of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Medication Management for People With Asthma (MMA):				
Medication Compliance 50%***: 5–11 years	54.71%	50.03%		↓
12–18 years	51.61%	51.10%		↓
19–50 years	60.00%	54.39%		↓
51–64 years	66.13%	65.73%		↓
Total	55.05%	51.60%		↓
Medication Compliance 75%: 5–11 years	26.87%	24.38%	28.33%	↓
12–18 years	26.63%	25.20%	26.33%	↓
19–50 years	38.38%	30.06%	37.72%	↓
51–64 years	42.90%	46.15%	50.01%	↑
Total	29.35%	26.28%	32.67%	↓
Asthma Medical Ratio (AMR):				
5–11 years	77.09%	80.13%	70.15%	↑
12–18 years	64.97%	71.17%	59.13%	↑
19–50 years	48.93%	44.53%	48.90%	↓
51–64 years	45.36%	45.32%	51.72%	↓
Total	66.25%	67.93%	59.67%	↑
Cardiovascular Conditions				
Controlling High Blood Pressure (CBP)	55.10%	55.63%	54.74%	↑
Persistence of Beta-Blocker Treatment After a Heart Attack (PBH)	75.75%	79.19%	80.43%	↑
Statin Therapy for Patients with Cardiovascular disease (SPC) †:				
Received Statin Therapy: Males 21–75 years	66.61%	70.66%		
Females 40–75 years	66.05%	66.32%		
Total	66.34%	68.50%		
Statin Adherence 80%: Males 21–75 years	56.17%	57.13%		
Females 40–75 years	50.77%	53.09%		
Total	53.56%	55.19%		

Table 1a. HEDIS 2017 State to National Medicaid Rates: Effectiveness of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Diabetes				
Comprehensive Diabetes Care (CDC):				
HbA1c Testing	82.59%	82.51%	85.94%	↓
HbA1c Control (<7.0%)	34.64%	37.43%	32.36%	↑
HbA1c Control (<8.0%)	47.62%	49.07%	45.54%	↑
Retinal Eye Exam Performed	42.87%	44.87%	52.68%	↑
Medical Attention for Nephropathy	90.89%	89.06%	90.01%	↓
Blood Pressure Control (<140/90 mm Hg)	58.22%	58.35%	59.04%	↑
Statin Therapy for Patients with Diabetes (SPD) †				
Received Statin Therapy: 40–75 years	53.06%	54.06%		↑
Statin Adherence 80%: 40–75 years	48.03%	50.57%		↑
Musculoskeletal Conditions				
Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis (ART)	62.66%	63.65%	71.69%	↑
Behavioral Health				
Antidepressant Medication Management (AMM):				
Effective Acute Phase Treatment	47.75%	46.52%	54.45%	↓
Effective Continuation Phase Treatment	32.19%	30.56%	39.44%	↓
Follow-Up Care for Children Prescribed ADHD Medication (ADD):				
Initiation Phase	49.26%	44.95%	42.20%	↓
Continuation and Maintenance Phase	63.14%	59.45%	50.93%	↓
Follow-Up After Hospitalization for Mental Illness (FUH):				
7-Day Follow-Up	55.95%	58.82%	43.71%	↑
30-Day Follow-Up	70.63%	71.29%	61.29%	↑

Table 1a. HEDIS 2017 State to National Medicaid Rates: Effectiveness of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Follow-Up After Emergency Department Visit for Mental Illness (FUM)**:				
7-Day Follow-Up		36.45%		
30-Day Follow-Up		56.59%		
Follow-Up After Emergency Department Visit for Alcohol and Other Drug Dependence (FUA)**:				
7-Day Follow-Up: 13–17 years		11.96%		
18 years and older		8.37%		
Total		8.66%		
30-Day Follow-Up: 13–17 years		17.28%		
18 years and older		10.64%		
Total		11.19%		
Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medications (SSD)	81.20%	82.51%	80.37%	↑
Diabetes Monitoring for People With Diabetes and Schizophrenia (SMD)	69.70%	70.29%	68.20%	↑
Cardiovascular Monitoring for People With Cardiovascular Disease and Schizophrenia (SMC)	82.89%	80.49%	78.47%	↓
Adherence to Antipsychotic Medications for Individuals With Schizophrenia (SAA)	58.62%	58.68%	57.88%	↑
Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM):				
1–5 Years	13.59%	13.33%	16.70%	↓
6–11 Years	28.71%	27.92%	26.16%	↓
12–17 Years	37.69%	37.93%	32.05%	↑
Total	34.10%	34.12%	29.84%	↑
Medication Management				
Annual Monitoring for Patients on Persistent Medications (MPM):				
ACE Inhibitors or ARBs	90.46%	90.30%	87.51%	↓
Digoxin	54.95%	58.22%	54.01%	↑
Diuretics	90.92%	90.70%	87.49%	↓

Table 1a. HEDIS 2017 State to National Medicaid Rates: Effectiveness of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Total	90.31%	90.22%	87.28%	↓
Overuse/Appropriateness				
Appropriate Treatment for Children With Upper Respiratory Infection (URI)	79.25%	81.85%	87.76%	↑
Avoidance of Antibiotic Treatment in Adults With Acute Bronchitis (AAB)	30.49%	32.61%	28.09%	↑
Use of Imaging Studies for Low Back Pain (LBP)	65.56%	61.94%	73.57%	↓
Measures Collected Through CAHPS				
Flu vaccinations for adults ages 18 to 64 (FVA)	36.92%	40.31%	38.46%	↑
Medical Assistance With Smoking and Tobacco Use Cessation (MSC):				
Advising Smokers and Tobacco Users to Quit	77.05%	77.12%	75.89%	↑
Discussing Cessation Medications	43.01%	44.72%	48.12%	↑
Discussing Cessation Strategies	38.28%	38.55%	43.28%	↑
Supplemental Data - % Current Smokers††	37.28%	36.94%	31.02%	

*For HEDIS 2017, the HPV measure was integrated into the IMA measure for reporting purposes and expanded to both genders.

**First-year measure.

***Benchmarks are currently not reported by Quality Compass for this rate.

†Benchmarks are not reported by Quality Compass for 2016 first-year measures.

†† For this measure, rate is not intended to indicate good or poor performance, but for informative purposes to monitor population of current smokers.

For the Effectiveness of Care Measures presented in **Table 1b**, a lower rate (particularly one below the national average) is an indication of better performance (↑). A decrease in rates from the prior year also indicates improvement.

Table 1b. HEDIS 2017 State to National Medicaid Rates: Measures Where Lower Rates Indicate Better Performance

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Diabetes				
Comprehensive Diabetes Care (CDC):				
HbA1c Poor Control (>9.0%)	43.23%	41.92%	45.35%	↑

Table 1b. HEDIS 2017 State to National Medicaid Rates: Measures Where Lower Rates Indicate Better Performance

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Overuse/Appropriateness				
Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)	5.25%	3.83%	2.71%	↑
Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC):				
1–5 Years	1.49%	2.94%	0.66%	↓
6–11 Years	1.71%	1.77%	1.82%	↓
12–17 Years	3.41%	3.22%	3.00%	↑
Total	2.78%	2.72%	2.49%	↑

Table 2 summarizes results for the Access/Availability Domain of Care.

Table 2. HEDIS 2017 State to National Medicaid Rates: Access/Availability of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Adults' Access to Preventive/Ambulatory Health Services (AAP):				
20–44 years	73.00%	74.37%	77.27%	↑
45–64 years	84.97%	85.11%	85.52%	↑
Children and Adolescents' Access to Primary Care Practitioners (CAP):				
12–24 months	91.77%	93.70%	94.69%	↑
25 months–6 years	85.15%	84.48%	87.24%	↓
7–11 years	91.15%	89.55%	90.23%	↓
12–19 years	87.78%	86.19%	88.60%	↓
Initiation and Engagement of Alcohol and Other Drug (AOD) Dependence Treatment (IET):				
Initiation of AOD Treatment: 13–17 years	49.11%	48.29%	42.25%	↓
≥18 years	33.36%	35.62%	37.94%	↑
Total	34.22%	36.30%	38.23%	↑

Table 2. HEDIS 2017 State to National Medicaid Rates: Access/Availability of Care Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Engagement of AOD Treatment: 13–17 years	25.96%	25.65%	15.44%	↓
≥18 years	8.70%	10.34%	9.69%	↑
Total	9.64%	11.16%	10.23%	↑
Prenatal and Postpartum Care (PPC):				
Timeliness of Prenatal Care	76.34%	76.94%	80.03%	↑
Postpartum Care	55.57%	59.35%	60.93%	↑
Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP):				
1–5 Years	30.51%	39.18%	49.04%	↑
6–11 Years	53.91%	53.69%	58.83%	↓
12–17 Years	53.50%	58.23%	59.12%	↑
Total	52.80%	56.04%	57.44%	↑

Table 3 summarizes results for the Utilization measures included in the Utilization and Risk-Adjusted Utilization Domain of Care.

Table 3. HEDIS 2017 State to National Medicaid Rates: Utilization Measures

Measure	Weighted State Rate		HEDIS 2016 Medicaid National Avg.	Change 2016 to 2017
	2016	2017		
Frequency of Ongoing Prenatal Care (FPC):				
≥ 81 percent	55.51%	57.09%	56.61%	↑
Well-Child Visits in the First 15 Months of Life (W15):				
6 or More Visits	57.63%	60.94%	59.35%	↑
Well-Child Visits in the Third, Fourth, Fifth and Sixth Years of Life (W34)				
Adolescent Well-Care Visits (AWC)	42.34%	46.61%	48.89%	↑

Individual Plan Performance—HEDIS Measures

This section is intended to provide an overview of individual plan performance using appropriate and available comparison data. The results highlight those areas where each MCO is performing in relation to the HEDIS 2016 National Medicaid Means and Percentiles for select MCO-reported HEDIS measures. Qsource uses these data to determine overall TennCare plan performance in a distribution of statistical values that represent the lowest to highest percentiles achieved. For example, the 50th percentile represents the point at which half of the reported rates are below and half of the reported rates are above that value.

Tables 5 (a and b), 6 and 7 display the plan-specific performance rates for each measure selected from the Effectiveness of Care, Access/Availability of Care, and Utilization and Risk-Adjusted Utilization domains. **Table 4** details the potential color-coding and measure designations used in **Tables 5a** through **7** to indicate the rating of the MCO percentile achieved, and provides additional related comments. While Medical Assistance With Smoking and Tobacco Use Cessation is an Effectiveness of Care measure, results are reported through the CPA as noted in **Tables 1a** and **5a**.





Table 4. HEDIS 2017 Rating Color and Measure Designations		
Color Designation	Percentile MCO Achieved	Additional Comments
	Greater than 75th	No additional comments
	25th to 75th	No additional comments
	Less than 25th	No additional comments
	No Rating Available	Benchmarking data not available
Measure Designation	Definition	
R	Reportable, a reportable rate was submitted for the measure.	
NA	Not Applicable, there was a small denominator, i.e., the MCO followed the specifications, but the denominator was too small (<30) to report a valid rate, hence results are not presented.	
NB	No Benefit, the MCO did not offer the health benefit required by the measure (e.g., mental health, chemical dependency).	
NR	Not Reported, the MCO chose not to report the measure.	
NQ	Not Required, the MCO was not required to report the measure.	

Table 4. HEDIS 2017 Rating Color and Measure Designations

BR	Biased Rate, the calculated rate was materially biased.
UN	Un-Audited, the MCO chose to report a measure that is not required to be audited. This result applies to only a limited set of measures.

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Prevention and Screening											
Adult BMI Assessment (ABA)	81.21%	90.02%	89.33%	81.48%	82.77%	90.00%	65.57%	93.48%	88.08%	87.77%	84.54%
Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents (WCC):											
BMI Percentile: 3–11 years	74.91%	84.56%	79.04%	67.83%	69.45%	75.27%	70.00%	72.30%	79.06%	77.36%	68.22%
12–17 years	67.32%	72.39%	78.01%	70.40%	71.85%	77.21%	66.30%	64.00%	66.67%	80.71%	65.74%
Total	72.22%	80.79%	78.70%	68.61%	70.24%	75.91%	68.37%	69.73%	75.52%	78.52%	67.54%
Counseling for Nutrition: 3–11 years	63.08%	77.52%	69.07%	61.19%	60.36%	69.09%	51.30%	66.91%	70.40%	64.91%	63.33%
12–17 years	58.82%	56.72%	68.79%	62.40%	61.48%	64.71%	54.14%	56.80%	62.16%	67.86%	57.35%
Total	61.57%	71.06%	68.98%	61.56%	60.73%	67.64%	52.55%	63.77%	68.04%	65.93%	62.65%
Counseling for Physical Activity: 3–11 years	53.05%	69.80%	57.39%	47.55%	50.55%	61.45%	41.74%	56.12%	60.29%	50.19%	53.99%
12–17 years	58.17%	54.48%	63.12%	60.00%	61.48%	66.18%	50.28%	56.00%	59.46%	64.29%	55.75%
Total	54.86%	65.05%	59.26%	51.34%	54.15%	63.02%	45.50%	56.08%	60.05%	55.06%	55.38%
Childhood Immunization Status (CIS):											
DTaP/DT	67.13%	75.23%	68.52%	77.62%	72.75%	72.51%	64.23%	78.35%	77.37%	69.83%	77.97%
IPV	86.34%	90.05%	87.27%	92.21%	90.75%	87.59%	80.05%	92.21%	91.48%	87.10%	89.78%
MMR	82.41%	88.19%	86.57%	89.29%	87.10%	84.91%	76.40%	90.02%	86.13%	84.18%	90.47%

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
HiB	81.25%	87.27%	83.56%	89.78%	86.13%	86.37%	76.16%	89.29%	87.35%	84.43%	89.37%
HepB	88.43%	90.51%	90.51%	94.16%	89.78%	88.81%	80.05%	93.92%	91.48%	89.05%	90.05%
VZV	81.48%	88.89%	85.65%	88.81%	88.56%	84.43%	75.18%	90.02%	88.56%	82.24%	89.97%
PCV	68.75%	78.01%	68.06%	79.56%	75.91%	72.26%	68.37%	79.56%	81.75%	70.56%	78.59%
HepA	80.56%	87.96%	86.34%	88.08%	87.35%	83.45%	75.18%	89.54%	85.89%	82.00%	84.91%
RV	55.56%	74.77%	58.56%	72.02%	68.13%	68.86%	45.74%	72.99%	76.89%	65.45%	69.34%
Flu	31.25%	49.54%	21.76%	44.04%	43.31%	25.30%	41.85%	38.93%	45.99%	23.11%	45.99%
Combination 2	63.66%	73.15%	65.51%	76.16%	70.80%	69.34%	60.34%	75.18%	73.72%	66.18%	75.18%
Combination 3	59.49%	71.30%	61.81%	74.21%	68.13%	65.45%	57.91%	71.78%	71.78%	63.02%	71.06%
Combination 4	58.56%	71.06%	61.81%	73.48%	67.64%	65.45%	57.66%	71.29%	71.53%	62.77%	67.96%
Combination 5	41.20%	62.27%	47.69%	60.34%	55.47%	57.42%	35.04%	59.12%	65.69%	52.55%	58.98%
Combination 6	26.39%	43.52%	17.59%	38.69%	35.52%	19.95%	33.82%	34.79%	41.12%	19.95%	39.14%
Combination 7	40.97%	62.04%	47.69%	60.10%	54.99%	57.42%	35.04%	58.64%	65.45%	52.31%	56.85%
Combination 8	26.39%	43.29%	17.59%	38.44%	35.28%	19.95%	33.82%	34.55%	41.12%	19.95%	38.20%
Combination 9	21.30%	39.35%	14.81%	32.85%	31.39%	18.25%	21.17%	29.93%	37.47%	16.79%	33.10%
Combination 10	21.30%	39.12%	14.81%	32.60%	31.14%	18.25%	21.17%	29.68%	37.47%	16.79%	32.64%
Immunization for Adolescents (IMA):											
Meningococcal	71.30%	70.83%	68.52%	71.53%	71.29%	71.05%	67.40%	65.45%	69.83%	68.13%	77.21%
Tdap/Td	83.10%	83.80%	81.25%	85.40%	84.67%	85.16%	77.62%	78.83%	83.70%	80.78%	86.14%
HPV*	12.73%	13.89%	10.19%	17.76%	13.38%	10.46%	11.19%	12.90%	16.30%	11.44%	22.30%
Combination 1	70.37%	69.91%	67.82%	71.05%	69.83%	70.80%	66.91%	64.72%	68.13%	67.40%	74.52%
Combination 2**	12.27%	13.19%	10.19%	16.55%	12.65%	10.46%	9.98%	11.92%	15.33%	10.95%	
Lead Screening in Children (LSC)	62.27%	73.15%	65.51%	75.67%	69.34%	66.18%	62.77%	77.62%	75.91%	65.21%	71.05%
Breast Cancer Screening (BCS)	34.89%	48.58%	43.68%	60.65%	56.93%	60.18%	60.18%	57.73%	51.59%	49.93%	58.08%
Cervical Cancer Screening (CCS)	35.58%	58.60%	49.07%	67.23%	59.61%	67.65%	28.47%	60.93%	67.78%	61.56%	55.94%

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Chlamydia Screening in Women (CHL):											
16–20 years	48.69%	48.69%	55.04%	44.31%	53.08%	51.30%	52.95%	45.94%	50.77%	49.83%	50.56%
21–24 years	55.77%	57.51%	63.42%	48.76%	56.76%	61.29%	38.65%	55.65%	59.02%	62.79%	61.37%
Total	52.12%	52.11%	59.25%	46.17%	54.85%	55.35%	52.12%	49.40%	53.93%	55.20%	55.16%
Respiratory Conditions											
Appropriate Testing for Children with Pharyngitis (CWP)	72.20%	79.73%	74.65%	84.41%	91.16%	85.03%	85.06%	79.08%	88.26%	82.13%	71.62%
Use of Spirometry Testing in the Assessment and											
Diagnosis of COPD (SPR)	26.42%	29.24%	46.67%	32.35%	33.72%	39.34%	NA	30.10%	27.72%	36.33%	30.26%
Pharmacotherapy Management of COPD Exacerbation (PCE):											
Systemic corticosteroid	51.53%	48.65%	59.00%	45.12%	42.52%	43.27%	NA	49.66%	46.13%	49.84%	70.39%
Bronchodilator	71.85%	75.03%	76.60%	72.05%	66.51%	75.40%	NA	74.00%	72.04%	73.46%	83.70%
Medication Management for People With Asthma (MMA):											
Medication Compliance 50%*** : 5–11 years	52.72%	50.78%	36.90%	58.47%	48.71%	46.83%	52.74%	48.53%	50.26%	45.41%	
12–18 years	51.81%	54.30%	43.49%	56.53%	48.78%	44.94%	61.75%	46.65%	49.64%	44.15%	
19–50 years	55.02%	55.65%	44.70%	58.04%	49.23%	53.24%	60.00%	61.36%	56.80%	48.09%	
51–64 years	NA	71.19%	51.11%	58.33%	85.71%	53.85%	NA	67.11%	74.51%	59.52%	
Total	53.39%	53.46%	40.88%	57.78%	49.61%	47.72%	57.27%	51.48%	52.28%	46.10%	
Medication Compliance 75% : 5–11 years	25.68%	26.16%	14.62%	32.13%	20.74%	20.29%	31.75%	22.27%	24.29%	19.51%	25.88%
12–18 years	23.68%	27.04%	17.81%	31.56%	22.45%	20.60%	38.65%	15.94%	27.82%	16.08%	25.00%
19–50 years	32.75%	33.06%	21.59%	30.65%	24.15%	29.58%	38.89%	36.81%	34.02%	20.99%	36.25%
51–64 years	47.37%	47.46%	31.11%	37.50%	57.14%	40.38%	50.00%	48.68%	62.75%	42.86%	49.48%
Total	26.78%	28.57%	17.64%	31.80%	22.67%	22.76%	35.38%	24.67%	28.55%	19.67%	31.28%

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Asthma Medical Ratio (AMR):											
5–11 years	77.63%	78.53%	65.68%	86.10%	80.48%	82.83%	83.45%	83.33%	79.68%	74.21%	71.74%
12–18 years	68.64%	66.67%	68.13%	79.21%	71.32%	72.18%	76.41%	68.82%	64.66%	64.66%	60.50%
19–50 years	41.16%	44.95%	39.48%	50.24%	33.93%	41.32%	65.74%	51.59%	46.91%	41.99%	49.00%
51–64 years	38.46%	43.01%	47.62%	36.36%	45.83%	47.22%	NA	51.69%	52.63%	38.89%	52.03%
Total	65.01%	65.34%	58.08%	75.40%	64.94%	68.59%	78.70%	69.58%	66.05%	61.88%	61.26%
Cardiovascular Conditions											
Controlling High Blood Pressure (CBP)	48.49%	51.51%	45.94%	63.54%	60.98%	60.10%	64.47%	59.18%	47.56%	52.55%	54.78%
Persistence of Beta-Blocker Treatment after a Heart Attack (PBH)	60.76%	79.79%	54.17%	88.89%	62.50%	80.39%	NA	91.84%	88.73%	85.71%	83.06%
Statin Therapy for Patients with Cardiovascular disease (SPC) †:											
Received Statin Therapy: Males 21–75 years	67.77%	72.46%	74.15%	67.91%	68.03%	69.10%	NA	73.21%	69.02%	72.76%	
Females 40–75 years	69.89%	65.44%	68.91%	64.86%	65.79%	61.59%	NA	68.38%	65.41%	68.42%	
Total	68.66%	69.33%	71.79%	66.31%	66.93%	64.94%	NA	70.84%	67.13%	70.61%	
Statin Adherence 80%: Males 21–75 years	50.00%	61.73%	44.00%	54.07%	45.11%	44.73%	NA	65.99%	64.59%	56.28%	
Females 40–75 years	39.02%	55.28%	39.10%	47.71%	42.00%	34.22%	NA	66.57%	60.58%	55.92%	
Total	45.30%	59.02%	41.88%	50.80%	43.60%	39.20%	NA	66.26%	62.55%	56.11%	
Diabetes											
Comprehensive Diabetes Care (CDC):											
HbA1c Testing	78.11%	86.11%	80.92%	82.57%	81.09%	82.38%	70.81%	85.67%	80.97%	82.00%	85.95%
HbA1c Control (<7.0%)	36.03%	38.32%	35.06%	39.90%	34.31%	35.77%	36.05%	42.02%	35.29%	35.04%	33.82%
HbA1c Control (<8.0%)	40.63%	48.83%	41.49%	50.59%	47.36%	44.80%	42.44%	58.22%	50.67%	48.78%	46.76%
Retinal Eye Exam Performed	28.69%	43.86%	34.98%	48.56%	36.97%	53.86%	54.24%	55.11%	40.61%	43.44%	53.28%

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Medical Attention for Nephropathy	89.55%	88.16%	90.94%	90.02%	88.93%	87.92%	73.29%	90.00%	87.52%	90.00%	90.51%
BP Control (<140/90 mm Hg)	54.39%	59.80%	50.08%	66.16%	59.45%	55.03%	62.73%	60.89%	57.45%	52.78%	59.73%
Statin Therapy for Patients with Diabetes (SPD) †:											
Received Statin Therapy: 40–75 yrs	52.95%	54.89%	56.63%	53.35%	50.84%	53.80%	48.00%	56.31%	52.10%	54.71%	
Statin Adherence 80%: 40–75 yrs.	45.31%	56.41%	38.99%	44.51%	41.29%	36.39%	83.33%	59.77%	60.34%	55.21%	
Musculoskeletal Conditions											
Disease-Modifying Anti-Rheumatic Drug Therapy for											
Rheumatoid Arthritis (ART)	65.41%	63.99%	57.42%	70.00%	53.21%	63.76%	NA	69.58%	58.17%	55.87%	72.22%
Behavioral Health											
Antidepressant Medication Management (AMM):											
Effective Acute Phase Treatment	52.15%	50.28%	44.99%	45.53%	42.74%	38.00%	38.58%	51.47%	47.48%	44.56%	53.38%
Effective Continuation Phase Treatment	36.80%	36.13%	29.55%	28.00%	27.23%	21.98%	19.69%	34.59%	31.83%	28.72%	38.06%
Follow-Up Care for Children Prescribed ADHD Medication (ADD):											
Initiation Phase	45.41%	48.51%	34.28%	47.25%	41.70%	38.79%	40.69%	55.09%	54.63%	41.34%	42.19%
Continuation and Maintenance Phase	60.81%	60.85%	48.84%	60.63%	57.87%	57.20%	50.00%	71.43%	64.48%	62.50%	52.47%
Follow-Up After Hospitalization for Mental Illness (FUH):											
7-Day Follow-Up	55.19%	50.48%	57.55%	65.01%	46.51%	66.58%	62.48%	64.02%	55.38%	65.48%	44.05%
30-Day Follow-Up	69.26%	68.58%	64.81%	76.80%	59.31%	77.26%	74.28%	77.26%	69.88%	75.19%	63.94%
Follow-Up After Emergency Department Visit for Mental Illness (FUM) **::											
7-Day Follow-Up	25.09%	36.86%	19.18%	38.89%	33.02%	32.74%	48.24%	BR	BR	BR	
30-Day Follow-Up	40.94%	49.38%	38.36%	61.73%	51.14%	58.11%	69.84%	BR	BR	BR	
Follow-Up After Emergency Department Visit for Alcohol and Other Drug Dependence (FUA) **::											
7-Day Follow-Up: 13–17 years	NA	2.22%	NA	6.12%	17.07%	NA	21.19%	BR	BR	BR	
18 years and older	2.83%	3.08%	5.90%	10.15%	11.81%	16.51%	9.86%	BR	BR	BR	
Total	2.71%	3.01%	5.74%	9.90%	12.07%	15.82%	16.93%	BR	BR	BR	

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
30-Day Follow-Up: 13–17 years	NA	6.67%	NA	14.29%	21.95%	NA	27.12%	BR	BR	BR	
18 years and older	4.16%	4.82%	6.94%	13.13%	14.82%	19.31%	11.27%	BR	BR	BR	
Total	4.15%	4.96%	6.76%	13.20%	15.17%	18.51%	21.16%	BR	BR	BR	
Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using											
Antipsychotic Medication (SSD)	82.44%	82.71%	78.20%	83.12%	80.79%	81.01%	82.39%	86.04%	86.51%	78.99%	80.72%
Diabetes Monitoring for People With Diabetes											
and Schizophrenia (SMD)	62.22%	78.45%	62.43%	70.85%	72.41%	64.48%	71.43%	75.00%	71.15%	69.59%	68.93%
Cardiovascular Monitoring for People With											
Schizophrenia (SMC)	NA	NA	NA	78.33%	NA	82.46%	NA	81.67%	75.41%	80.39%	80.00%
Adherence to Antipsychotic Medications for Individuals											
With Schizophrenia (SAA)	52.30%	62.85%	44.85%	66.08%	49.07%	56.08%	72.24%	59.33%	71.01%	56.67%	59.79%
Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM):											
1–5 Years	NA	NA	NA	14.29%	NA	NA	11.11%	NA	NA	NA	15.33%
6–11 Years	31.16%	31.46%	16.67%	33.56%	27.31%	17.22%	29.65%	27.53%	27.05%	21.26%	25.19%
12–17 Years	30.67%	35.20%	27.41%	36.11%	37.04%	29.38%	44.28%	38.81%	31.03%	22.61%	32.33%
Total	30.65%	33.73%	22.83%	34.49%	32.91%	24.37%	39.60%	34.19%	29.00%	22.00%	29.63%
Medication Management											
Annual Monitoring for Patients on Persistent Medications (MPM):											
ACE Inhibitors or ARBs	90.25%	89.21%	90.11%	89.49%	85.65%	89.51%	84.71%	93.06%	90.60%	92.72%	87.43%
Digoxin	60.61%	44.19%	55.10%	52.00%	43.90%	65.43%	NA	59.12%	64.52%	67.26%	53.94%
Diuretics	90.42%	89.93%	89.28%	90.85%	86.63%	88.72%	88.89%	93.88%	91.85%	92.32%	87.52%
Total	90.13%	89.10%	89.43%	89.86%	85.87%	88.89%	86.00%	93.09%	90.88%	92.24%	87.23%
Overuse/Appropriateness											
Appropriate Treatment for Children with Upper											
Respiratory Infection (URI)	76.90%	87.18%	79.35%	79.16%	85.88%	74.06%	79.60%	77.22%	87.68%	81.53%	89.39%

Table 5a. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Avoidance of Antibiotic Treatment in Adults with Acute											
Bronchitis (AAB)	27.91%	29.69%	32.78%	30.88%	37.21%	33.74%	36.57%	33.18%	33.02%	36.00%	26.17%
Use of Imaging Studies for Low Back Pain (LBP)	67.36%	68.40%	69.65%	58.29%	60.89%	62.57%	63.79%	57.42%	57.04%	58.29%	73.71%
Measures Collected Through CAHPS Health Plan Survey											
Flu vaccinations for adults ages 18 to 64 (FVA)	35.62%	45.27%	31.29%	39.43%	40.00%	40.96%	36.13%	40.06%	44.69%	44.55%	38.03%
Medical Assistance with Smoking and Tobacco Use Cessation (MSC):											
Advising Smokers and Tobacco Users to Quit	70.94%	77.36%	74.53%	81.39%	77.27%	79.44%	NA	77.25%	81.14%	80.08%	76.59%
Discussing Cessation Medications	37.97%	45.21%	37.50%	51.47%	42.35%	48.90%	NA	50.80%	45.07%	45.57%	48.31%
Discussing Cessation Strategies	30.70%	42.37%	31.58%	44.44%	39.90%	46.15%	NA	38.34%	39.64%	38.79%	43.82%
Supplemental Data - % Current Smokers††	50.49%	33.87%	36.30%	44.38%	42.45%	33.45%	18.54%	38.19%	35.20%	29.97%	31.68%

*For HEDIS 2017, the HPV measure was integrated into the IMA measure for reporting purposes and expanded to both genders.

**First-year measure.

***Benchmarks are currently not reported by Quality Compass for this rate.

†Benchmarks are not reported by Quality Compass for 2016 first-year measures.

†† A higher rate in Quality Compass is not intended to indicate good or poor performance, but rather indicate the percentages of plans who have higher rates of current smokers.

For the Effectiveness of Care Measures presented in **Table 5b**, a lower rate (particularly one below the national 50th percentile) is an indication of better performance. For example, a rate in the 10th percentile is better than a rate in the 90th percentile.

Table 5b. HEDIS 2017 Plan-Specific Medicaid Rates: Effectiveness of Care Measures Where Lower Rates Indicate Better Performance

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Diabetes											
Comprehensive Diabetes Care (CDC):											
HbA1c Poor Control (>9.0%)	49.09%	40.79%	50.56%	39.42%	44.63%	47.15%	53.21%	32.67%	40.85%	42.33%	43.80%
Overuse/Appropriateness											
Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)											
	2.75%	2.20%	4.25%	3.91%	3.99%	4.47%	3.36%	4.57%	3.89%	4.54%	2.42%
Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC):											
1–5 Years	NA	NA	NA	NA	NA	NA	2.56%	NA	NA	NA	0.00%
6–11 Years	0.97%	1.76%	0.00%	2.02%	1.18%	1.35%	2.54%	1.60%	0.63%	0.88%	1.56%
12–17 Years	2.27%	2.34%	2.31%	3.66%	2.57%	3.17%	3.71%	2.47%	2.45%	3.01%	2.53%
Total	1.82%	2.09%	1.33%	3.15%	2.02%	2.41%	3.36%	2.08%	1.76%	2.13%	1.99%

Table 6. HEDIS 2017 Plan-Specific Medicaid Rates: Access/Availability of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Adults' Access to Preventive/Ambulatory Health Services (AAP):											
20–44 years	67.03%	75.26%	70.77%	79.23%	75.60%	77.92%	42.79%	75.58%	77.90%	73.56%	79.48%
45–64 years	78.63%	84.59%	81.03%	89.23%	85.85%	87.26%	44.57%	86.98%	87.21%	83.45%	86.83%

Table 6. HEDIS 2017 Plan-Specific Medicaid Rates: Access/Availability of Care Measures

Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Children and Adolescents' Access to Primary Care Practitioners (CAP):											
12–24 months	92.17%	95.60%	87.45%	96.63%	96.15%	92.03%	86.53%	95.33%	96.33%	89.62%	95.74%
25 months–6 years	81.10%	85.68%	81.93%	88.50%	86.93%	83.89%	78.70%	83.82%	86.79%	80.67%	87.69%
7–11 years	84.34%	88.92%	88.26%	92.14%	91.58%	90.01%	91.39%	88.22%	91.44%	87.66%	91.00%
12–19 years	80.78%	85.35%	83.37%	89.49%	88.37%	86.48%	87.69%	85.42%	88.72%	83.20%	89.37%
Initiation and Engagement of Alcohol and Other Drug (AOD) Dependence Treatment (IET):											
Initiation of AOD Treatment: 13-17 years	50.00%	43.11%	52.76%	43.32%	44.09%	54.55%	48.47%	47.03%	52.02%	51.45%	42.75%
≥ 18 years	35.21%	35.11%	41.81%	28.86%	33.50%	28.70%	41.73%	38.08%	41.73%	42.97%	37.78%
Total	35.70%	35.56%	42.27%	29.39%	33.86%	30.11%	44.88%	38.40%	42.28%	43.39%	38.07%
Engagement of AOD Treatment: 13–17 years	28.77%	25.78%	18.90%	27.94%	24.19%	16.58%	27.61%	26.73%	30.65%	21.01%	13.53%
≥ 18 years	10.39%	12.66%	12.05%	6.78%	10.46%	8.48%	13.67%	9.35%	13.71%	11.59%	9.29%
Total	10.99%	13.39%	12.34%	7.55%	10.92%	8.93%	20.19%	9.98%	14.61%	12.05%	9.63%
Prenatal and Postpartum Care (PPC):											
Timeliness of Prenatal Care	76.69%	80.93%	65.20%	88.51%	74.94%	74.21%	72.19%	79.75%	74.45%	68.13%	82.25%
Postpartum Care	53.61%	62.56%	51.28%	69.54%	53.53%	64.23%	51.69%	61.01%	59.61%	48.18%	60.98%
Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP):											
1–5 Years	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.45%
6–11 Years	55.41%	70.31%	50.00%	48.37%	57.73%	53.04%	52.90%	48.89%	66.23%	47.12%	61.54%
12–17 Years	54.76%	64.12%	59.81%	56.60%	71.43%	63.80%	53.95%	60.14%	56.67%	53.17%	61.20%
Total	54.37%	65.67%	54.77%	51.71%	65.31%	58.66%	53.81%	55.69%	59.66%	49.58%	60.43%

Table 7 results are for utilization measures that are included in the Utilization and Risk-Adjusted Utilization Domain of Care.

Table 7. HEDIS 2017 Plan-Specific Medicaid Rates: Utilization Measures											
Measure	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	HEDIS 2016 National Medicaid 50th Percentile
Frequency of Ongoing Prenatal Care (FPC):											
≥ 81 percent	59.67%	57.21%	44.78%	81.03%	48.18%	52.07%	48.31%	68.86%	48.42%	37.96%	59.26%
Well-Child Visits in the First 15 Months of Life (W15):											
6 or More Visits	59.95%	73.38%	40.05%	70.40%	63.50%	55.72%	41.36%	66.84%	62.09%	45.50%	59.57%
Well-Child Visits in the Third, Fourth, Fifth and Sixth Years of Life (W34)											
	62.50%	76.85%	69.21%	68.33%	70.06%	65.10%	62.84%	68.16%	74.71%	65.77%	71.42%
Adolescent Well-Care Visits (AWC)											
	50.00%	55.79%	53.01%	42.82%	46.47%	41.85%	45.74%	41.85%	48.66%	41.36%	48.41%

Individual Plan Performance—CAHPS

Table 8 details the color-coding and the rating scale, as well as any additional comments, used in Tables 9 through 13 to indicate the rating achieved. Tables 9 through 13 display the plan-specific performance rates for the CAHPS survey results. CAHPS measure results with an 'NA' indicate that there were

fewer than 100 valid responses and, hence, results are not presented. For all CAHPS survey results, performance is measured against the calculated statewide average. The 2016 National Medicaid CAHPS Benchmarking data were obtained from Quality Compass.




Table 8. 2017 CAHPS Rating Color and Measure Designations		
Color Designation	Rating Scale	Additional Comments
	Greater than one standard deviation above the statewide average	No additional comments
	Within one standard deviation above or below the statewide average	No additional comments
	Greater than one standard deviation below the statewide average	No additional comments

Table 8. 2017 CAHPS Rating Color and Measure Designations

	No Rating Available	Benchmarking data were not available
Measure Designation	Definition	
NA	Not Applicable, there were fewer than 100 valid responses, hence results are not presented.	

Table 9. 2017 CAHPS 5.0H Adult Medicaid Survey Results

AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	Statewide Average	2016 National Medicaid CAHPS Benchmarking
1. Getting Needed Care (Always + Usually)											
81.98%	86.52%	75.77%	86.59%	84.45%	85.30%	NA	88.25%	87.41%	84.24%	84.50%	80.43%
2. Getting Care Quickly (Always + Usually)											
79.99%	86.53%	79.39%	90.27%	82.60%	86.87%	NA	88.20%	83.53%	83.46%	84.54%	80.06%
3. How Well Doctors Communicate (Always + Usually)											
88.53%	92.23%	92.21%	90.69%	89.23%	91.72%	NA	93.35%	92.41%	92.38%	91.42%	90.73%
4. Customer Service (Always + Usually)											
NA	90.87%	NA	90.04%	NA	91.12%	NA	91.55%	87.52%	91.23%	90.39%	87.54%
5. Shared Decision Making (Yes)											
82.70%	78.09%	NA	79.49%	NA	78.39%	NA	80.55%	75.67%	81.27%	79.45%	79.20%
6. Rating of All Health Care (9+10)											
51.35%	57.62%	55.46%	56.79%	54.19%	57.87%	67.27%	57.52%	56.85%	59.03%	57.40%	53.64%
7. Rating of Personal Doctor (9+10)											
62.08%	71.06%	65.24%	67.50%	60.00%	75.53%	68.75%	67.76%	71.86%	70.53%	68.03%	65.41%
8. Rating of Specialist Seen Most Often (9+10)											
73.44%	70.39%	NA	64.52%	64.71%	70.09%	NA	67.70%	61.20%	66.01%	67.26%	65.97%
9. Rating of Health Plan (9+10)											
48.00%	62.20%	57.00%	62.97%	65.82%	68.40%	63.09%	66.00%	64.44%	65.98%	62.39%	57.69%

Table 10. 2017 CAHPS 5.0H Child Medicaid Survey Results (General Population)

AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	Statewide Average	2016 National Medicaid CAHPS Benchmarking
1. Getting Needed Care (Always + Usually)											
89.51%	88.50%	80.23%	91.48%	87.81%	87.67%	91.87%	89.95%	90.36%	82.73%	88.01%	83.66%
2. Getting Care Quickly (Always + Usually)											
92.61%	91.10%	89.40%	95.27%	93.59%	93.10%	93.69%	91.73%	92.85%	89.01%	92.24%	88.54%
3. How Well Doctors Communicate (Always + Usually)											
93.29%	93.01%	89.74%	96.44%	93.93%	95.47%	94.51%	95.01%	95.62%	94.49%	94.15%	93.17%
4. Customer Service (Always + Usually)											
89.23%	87.60%	85.90%	93.38%	88.22%	89.41%	93.95%	91.94%	87.16%	90.78%	89.76%	87.98%
5. Shared Decision Making (Yes)											
79.23%	80.79%	78.44%	81.85%	NA	80.72%	82.73%	79.31%	79.07%	NA	80.27%	78.41%
6. Rating of All Health Care (9+10)											
73.57%	72.32%	70.73%	77.28%	76.36%	76.49%	73.51%	73.21%	72.50%	71.20%	73.72%	67.67%
7. Rating of Personal Doctor (9+10)											
76.79%	72.84%	75.49%	79.22%	79.69%	78.19%	76.53%	75.39%	79.69%	76.95%	77.08%	74.78%
8. Rating of Specialist Seen Most Often (9+10)											
NA	NA	NA	78.95%	NA	NA	79.38%	NA	NA	NA	79.17%	71.10%
9. Rating of Health Plan (9+10)											
68.42%	74.38%	67.63%	80.95%	75.93%	78.90%	76.33%	77.29%	75.12%	76.99%	75.19%	69.00%

Table 11. 2017 CAHPS 5.0H Child Medicaid Survey Results (Children with Chronic Conditions)

AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	Statewide Average	2016 National Medicaid CAHPS Benchmarking
1. Getting Needed Care (Always + Usually)											
86.55%	86.87%	84.19%	92.31%	90.94%	87.88%	91.56%	91.49%	92.30%	86.59%	89.07%	86.14%
2. Getting Care Quickly (Always + Usually)											
94.80%	90.14%	92.04%	96.56%	95.25%	94.79%	93.66%	94.81%	95.74%	93.99%	94.18%	91.82%
3. How Well Doctors Communicate (Always + Usually)											
94.13%	93.05%	93.35%	96.33%	94.78%	96.43%	95.24%	95.70%	95.47%	95.77%	95.03%	93.92%
4. Customer Service (Always + Usually)											
93.75%	NA	NA	95.59%	NA	90.87%	90.82%	93.10%	92.23%	NA	92.73%	89.43%
5. Shared Decision Making (Yes)											
86.28%	83.39%	85.79%	88.63%	82.69%	82.39%	84.48%	85.99%	79.33%	83.76%	84.27%	84.95%
6. Rating of All Health Care (9+10)											
61.98%	72.87%	64.95%	75.21%	72.98%	74.40%	70.48%	71.82%	72.45%	69.71%	70.69%	65.98%
7. Rating of Personal Doctor (9+10)											
73.26%	77.94%	72.12%	78.92%	75.48%	80.20%	75.68%	80.10%	77.74%	78.71%	77.02%	74.67%
8. Rating of Specialist Seen Most Often (9+10)											
70.00%	72.41%	NA	78.49%	78.90%	78.63%	75.00%	79.01%	73.43%	68.42%	74.92%	70.81%
9. Rating of Health Plan (9+10)											
60.19%	74.36%	59.50%	81.72%	72.04%	77.40%	74.70%	76.20%	73.53%	73.43%	72.31%	65.80%
10. Access to Specialized Services (Always + Usually)											
NA	NA	NA	NA	NA	NA	82.46%	NA	NA	NA	82.46%	77.06%
11. Family-Centered Care: Personal Doctor or Nurse Who Knows Child (Yes)											
90.99%	91.25%	90.36%	91.57%	91.31%	91.19%	91.14%	91.64%	90.91%	92.39%	91.28%	90.55%
12. Coordination of Care for Children With Chronic Conditions (Yes)											
NA	NA	NA	78.60%	NA	NA	81.05%	78.29%	82.00%	NA	79.99%	77.11%
13. Family-Centered Care: Getting Needed Information (Always + Usually)											
91.67%	90.87%	90.23%	95.49%	93.93%	91.92%	92.75%	89.37%	92.15%	93.78%	92.22%	90.91%
14. Access to Prescription Medicines (Always + Usually)											
90.49%	93.92%	92.00%	94.33%	92.03%	93.26%	91.87%	93.65%	94.16%	92.83%	92.85%	90.68%

Medicaid HEDIS Trending—Statewide Weighted Rates

Each year of HEDIS reporting, Qsource has calculated the Medicaid statewide weighted averages for each measure by applying the size of the eligible population for each measure within a health plan to its reported rate. Using this methodology, plan-specific findings can be estimated from an overall TennCare statewide level, with each reporting health plan contributing to the statewide estimate proportionate to its eligible population size.

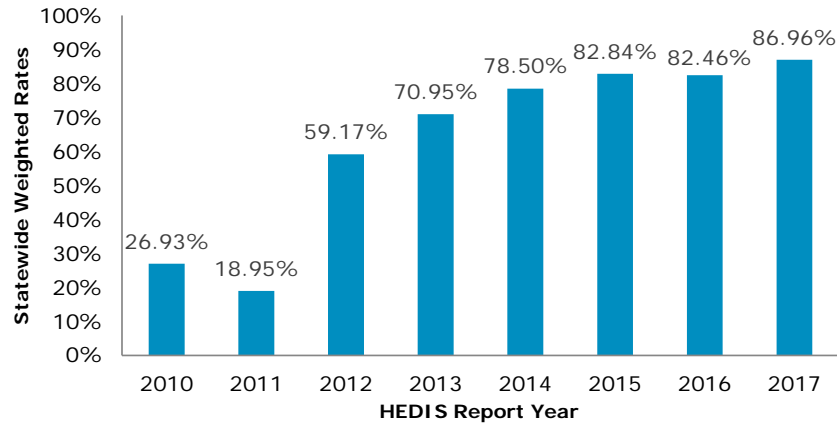
Trending for first-time measures—those reported for the first time in this year’s HEDIS/CAHPS report—is not possible and, therefore, not presented in this section. Remaining measures are plotted to reflect the statewide performance of TennCare

MCOs since reporting began in 2006, except where measures were not reported for a particular year as stated in footnotes.

In 2008 new health plans were implemented in the Middle Grand Region that were not required to be NCQA accredited until December 2009. Similarly, new health plans were implemented in 2009 in the West Grand Region that were not required to be accredited until December 2010. The data would not have been reported by these MCOs for 2008 or 2009, respectively; hence, no 2008 or 2009 statewide weighted rates are presented. Beginning in January 2015, there were 400,000 TennCare enrollees transitioning to new MCOs. These factors should be considered while trending data.

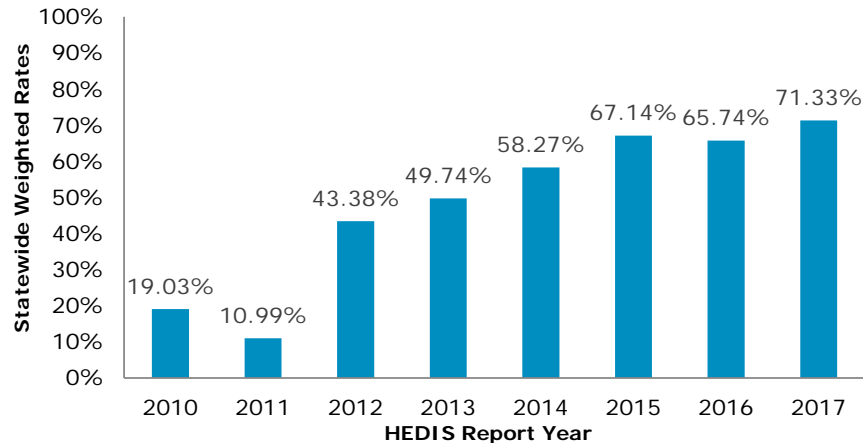
Effectiveness of Care Measures: Prevention and Screening

Fig. 1. Adult BMI Assessment (ABA)



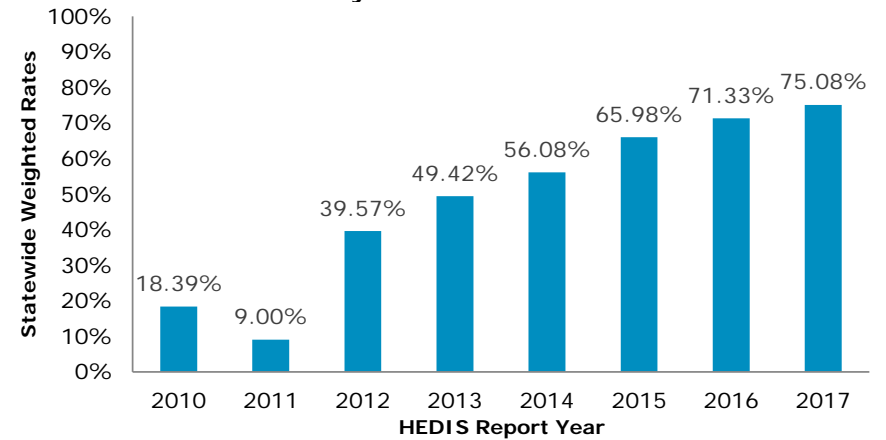
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). Measure specifications were revised in 2012 and for HEDIS 2016 the BMI and BMI percentile numerator age criteria was revised from 21 to 20 years; trending should be considered with caution.

Fig. 3. WCC—BMI Percentile: 12–17 years



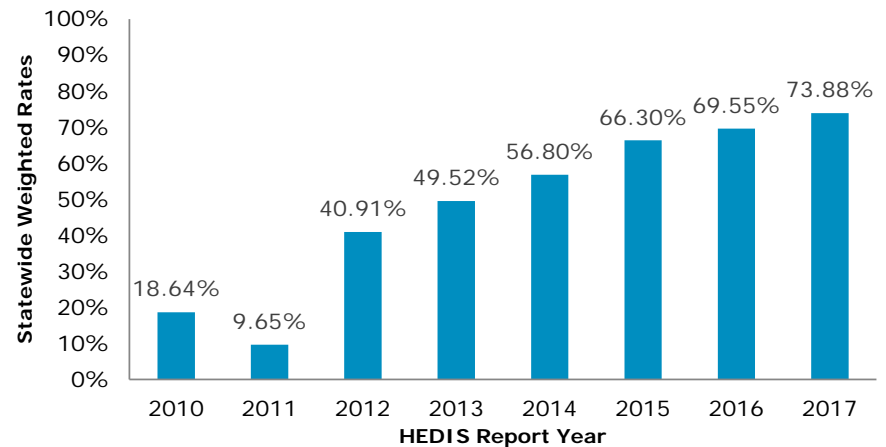
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2012 measure specifications changed; trending between 2012 and prior years should be considered with caution.

Fig. 2. Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents (WCC)—BMI Percentile: 3–11 years



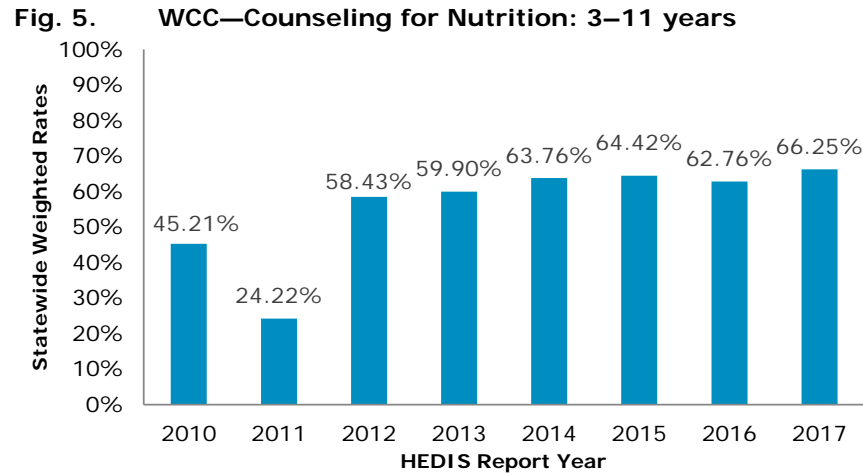
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2012 measure specifications changed; trending between 2012 and prior years should be considered with caution.

Fig. 4. WCC—BMI Percentile: Total

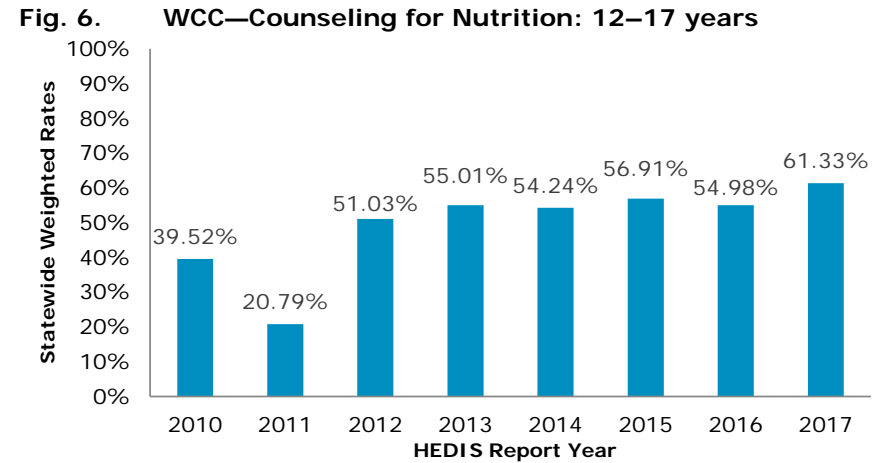


Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2012 measure specifications changed; trending between 2012 and prior years should be considered with caution.

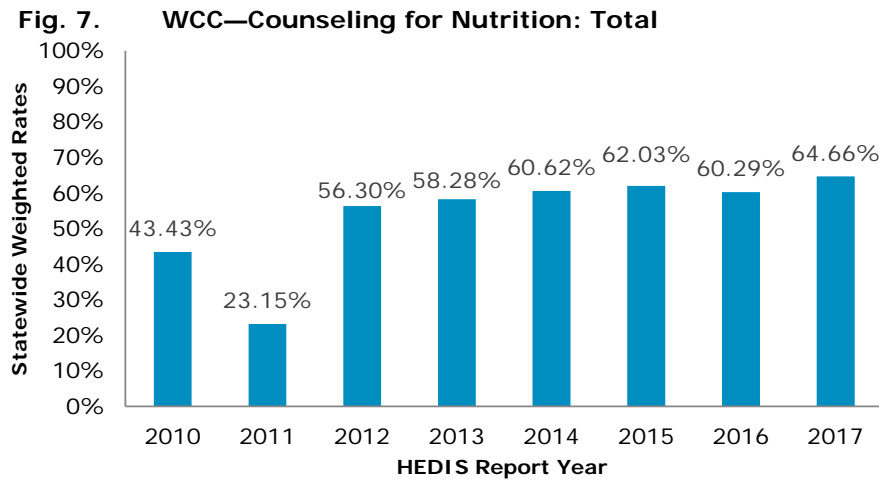
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening



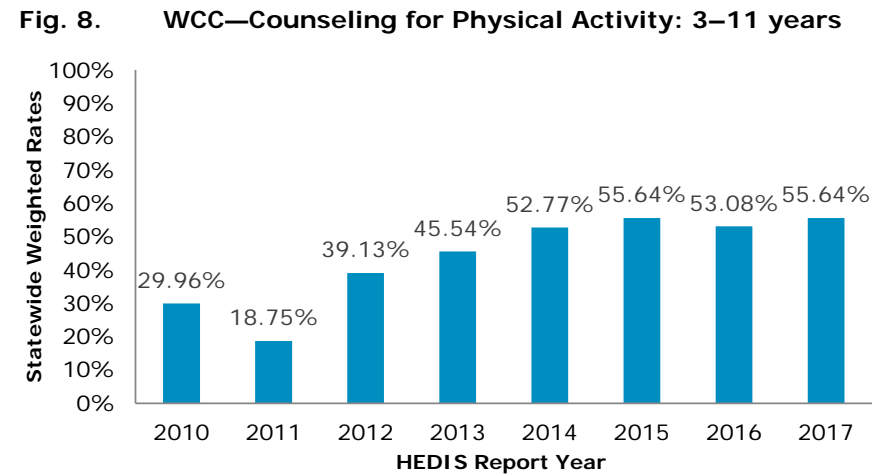
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2012 measure specifications changed; trending between 2012 and prior years should be considered with caution.



Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2012 measure specifications changed; trending between 2012 and prior years should be considered with caution.



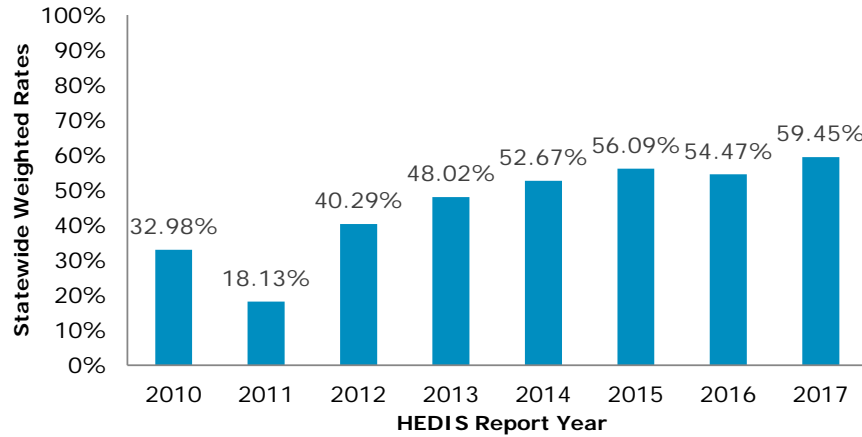
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2012 measure specifications changed; trending between 2012 and prior years should be considered with caution.



Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2016, changes were made to numerator criteria; trending with prior years should be considered with caution.

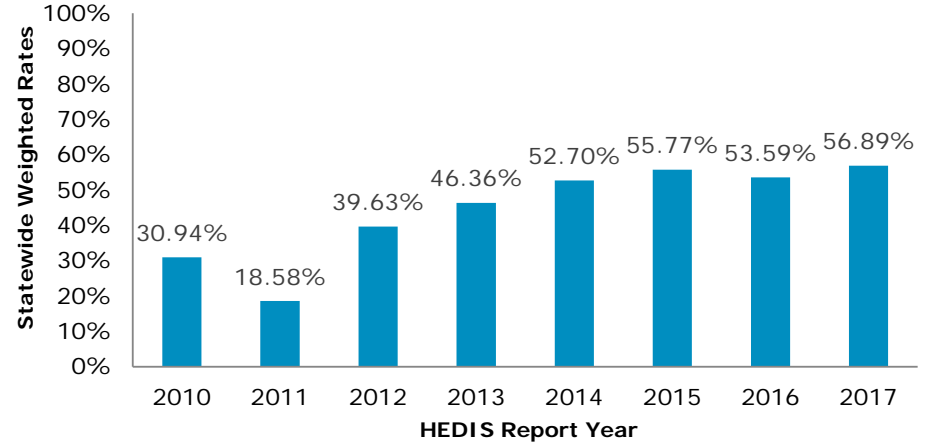
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening

Fig. 9. WCC—Counseling for Physical Activity: 12–17 years



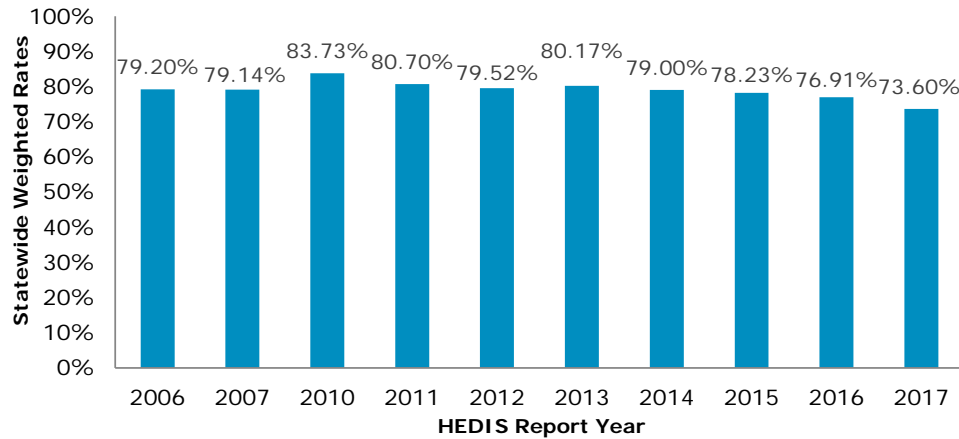
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2016, changes were made to numerator criteria; trending with prior years should be considered with caution.

Fig. 10. WCC—Counseling for Physical Activity: Total



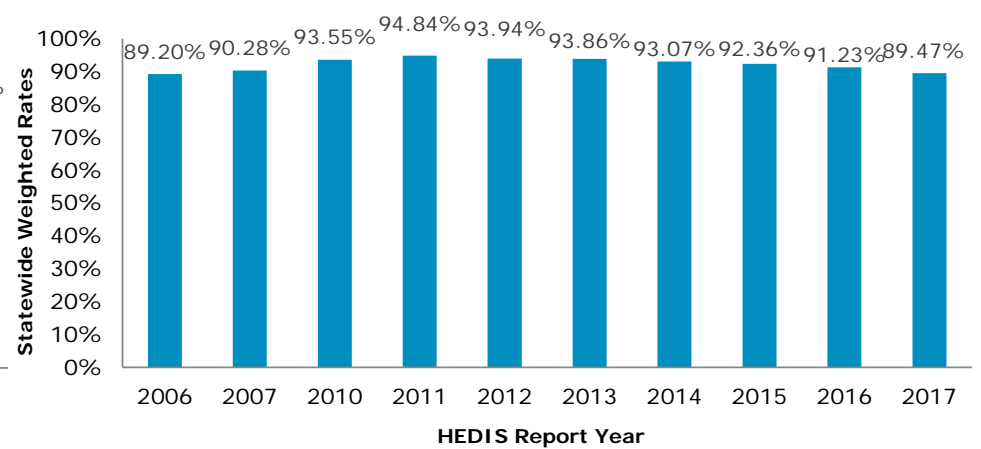
Footnote: Data reporting began in 2009 (2008 and 2009 data are not reported in these graphs). In 2016, changes were made to numerator criteria; trending with prior years should be considered with caution.

Fig. 11. Childhood Immunization Status (CIS): DTap



Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

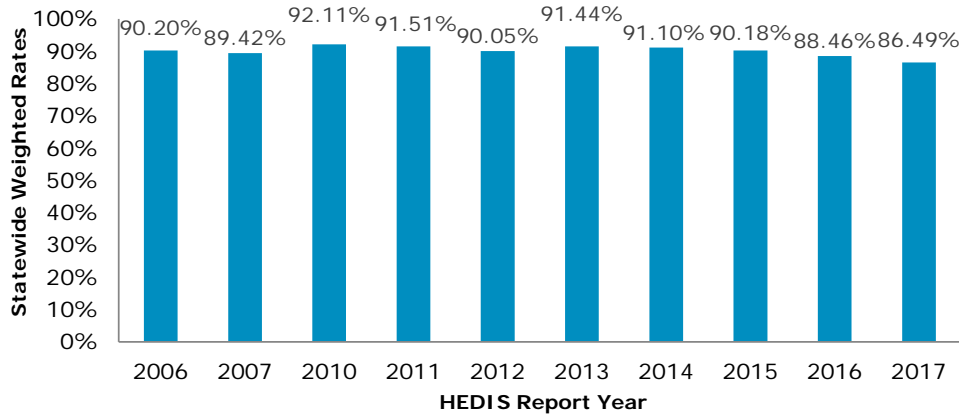
Fig. 12. CIS: IPV



Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

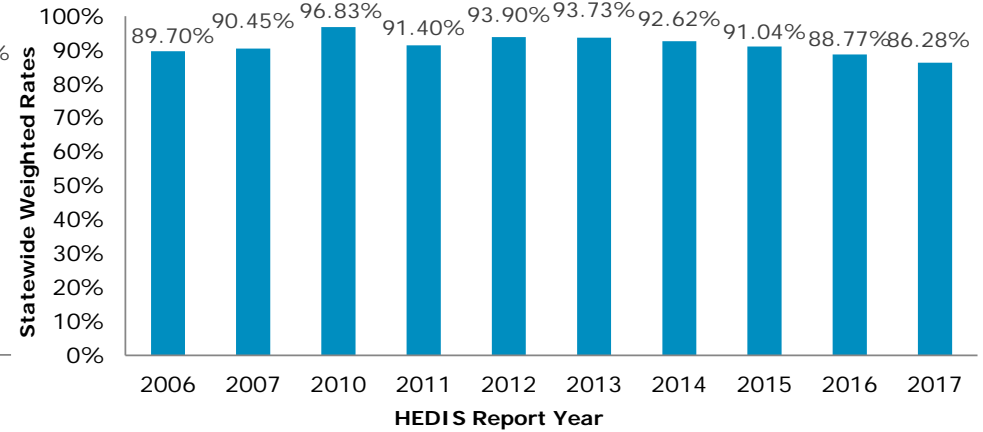
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening

Fig. 13. CIS: MMR



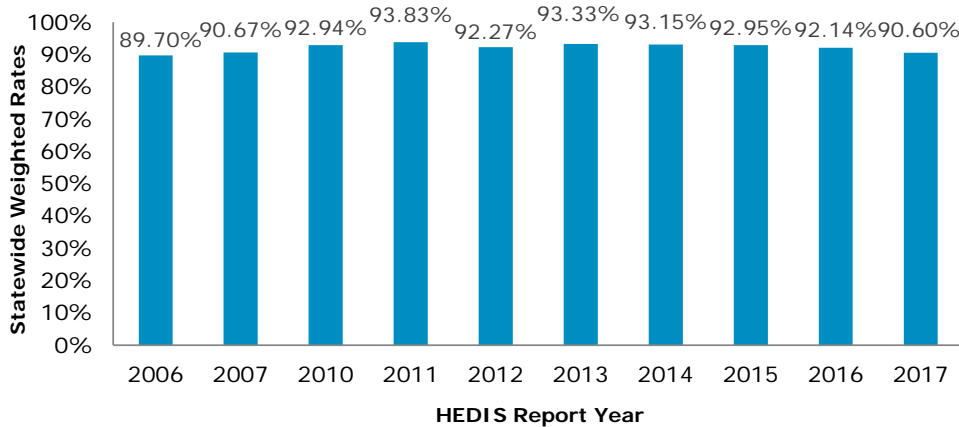
Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 14. CIS: HiB



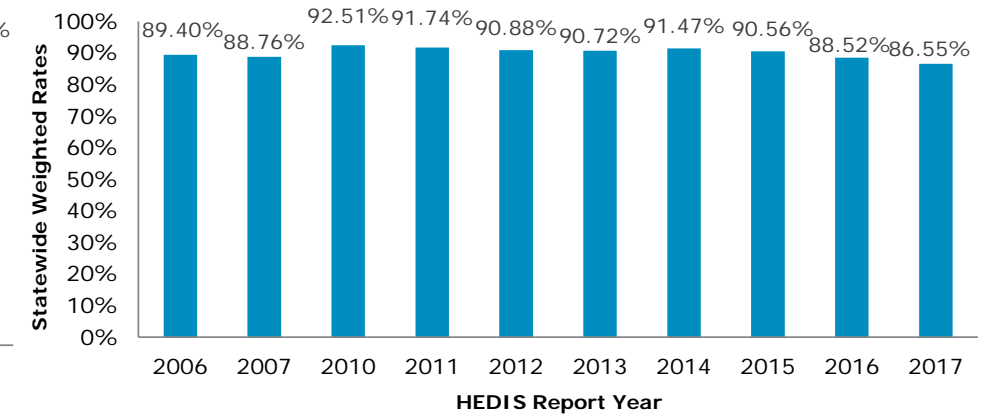
Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 15. CIS: HepB



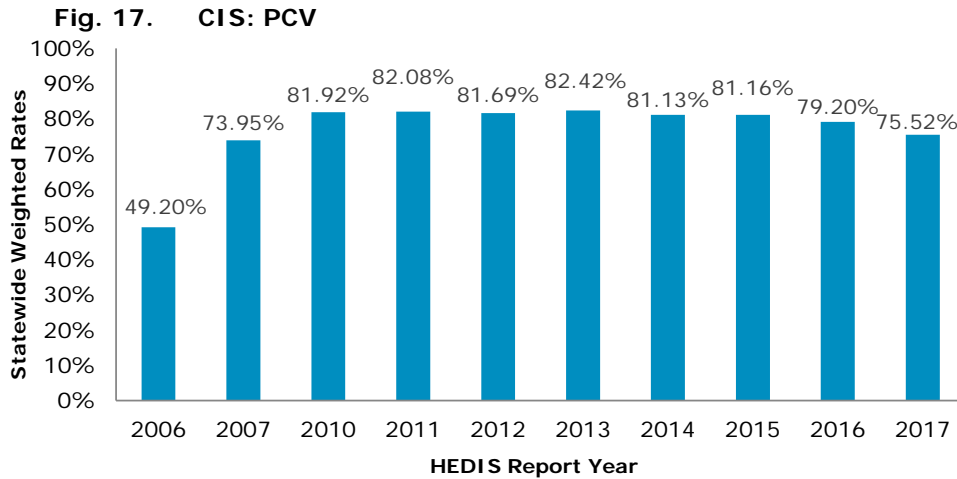
Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 16. CIS: VZV

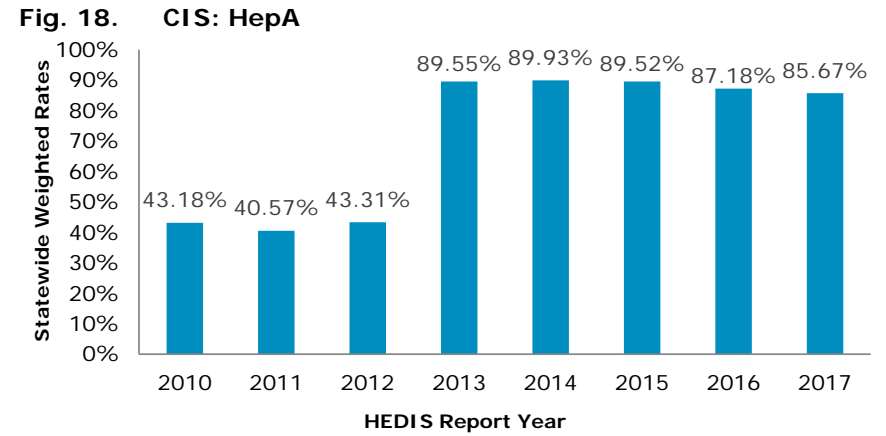


Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

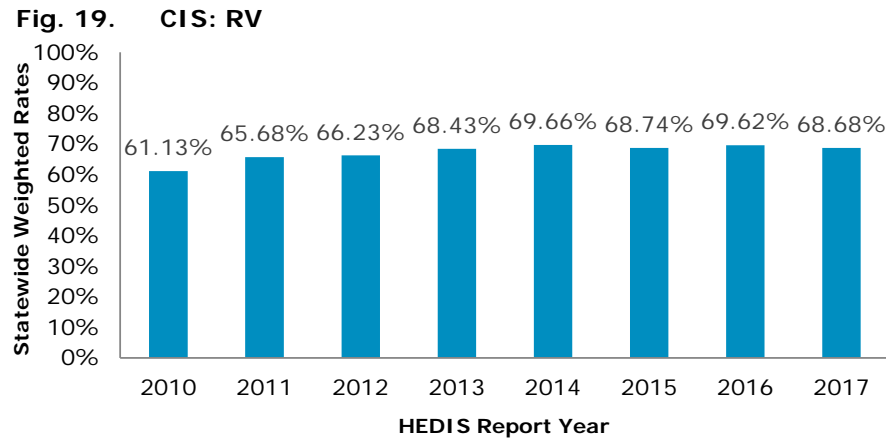
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening



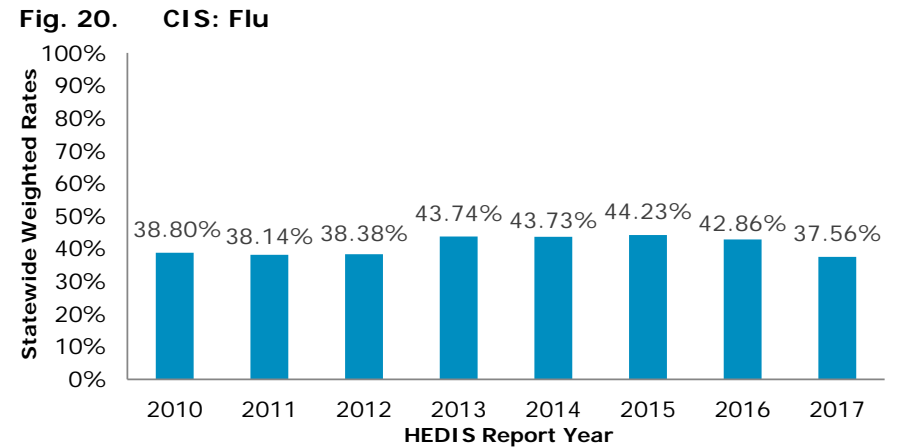
Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.



Footnote: Data reporting began in 2010. HepA dose requirements changed in 2013 from two doses to at least one dose; hence, trend with caution. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

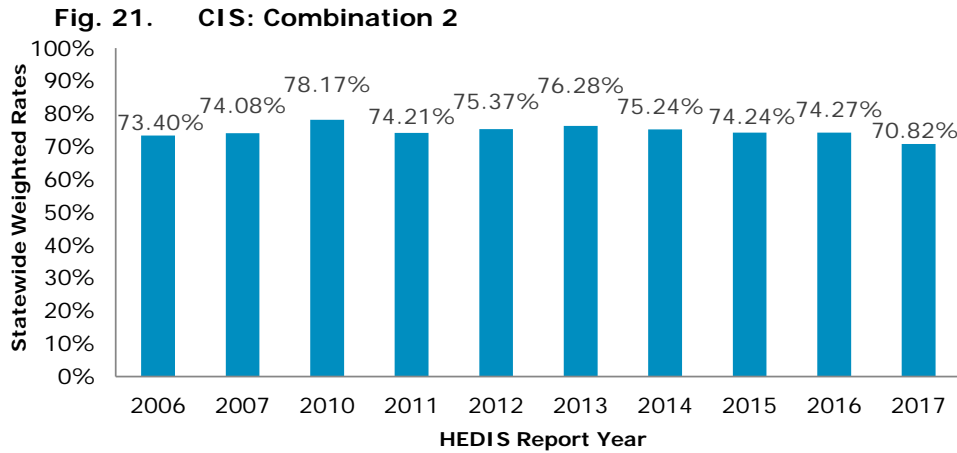


Footnote: Data reporting began in 2010. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

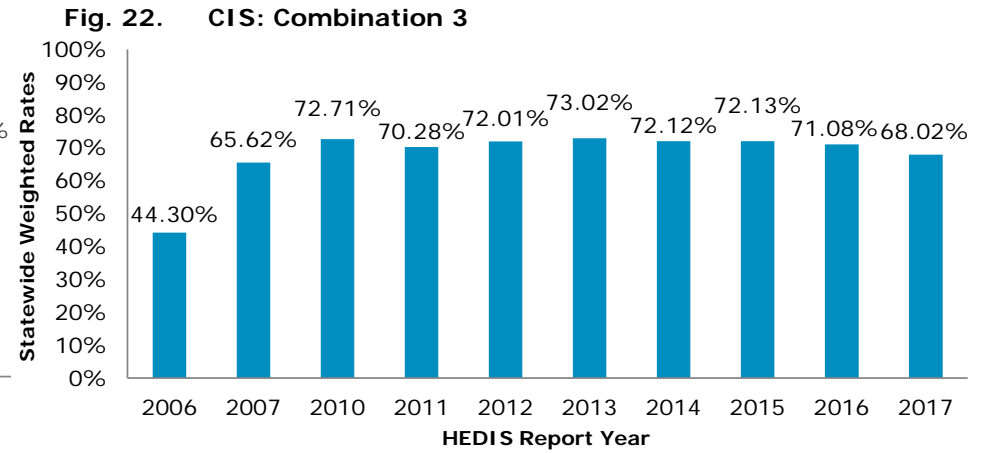


Footnote: Data reporting began in 2010. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

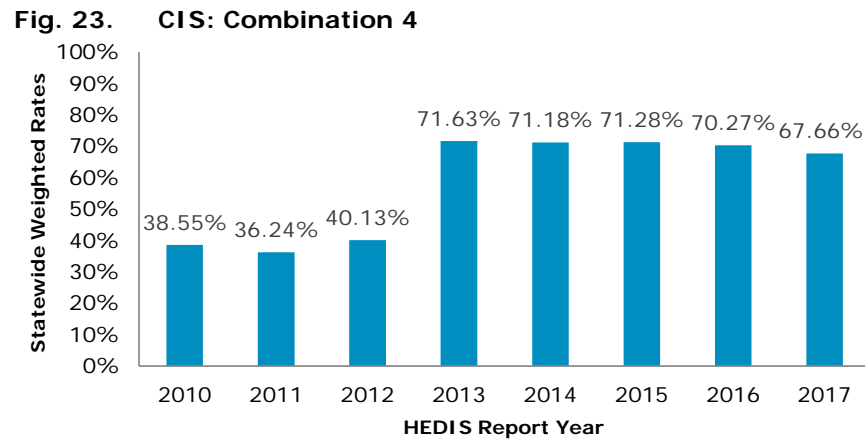
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening



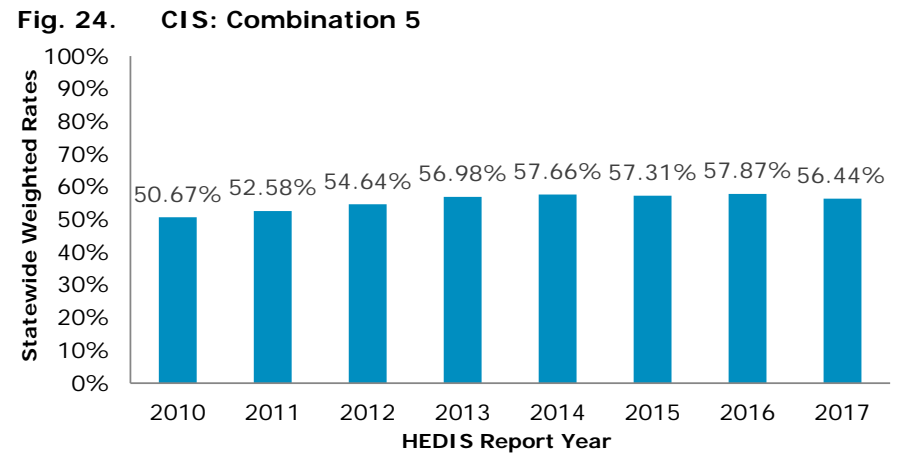
Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.



Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.



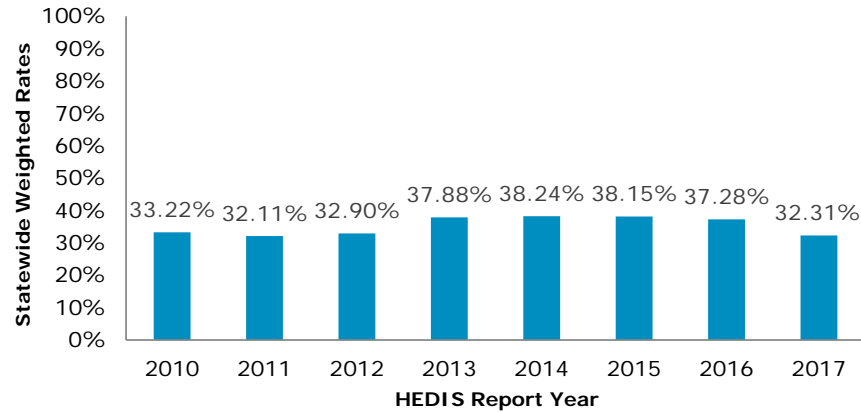
Footnote: Data reporting began in 2010. HepA dose requirements changed in 2013 from two doses to at least one dose; hence, trend with caution. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.



Footnote: Data reporting began in 2010. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

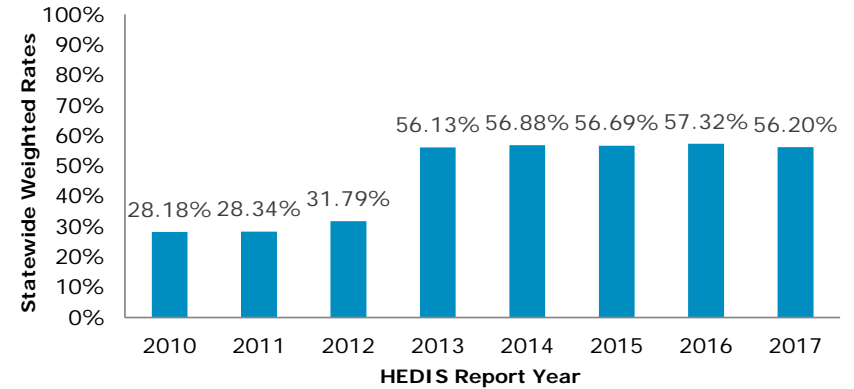
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening

Fig. 25. CIS: Combination 6



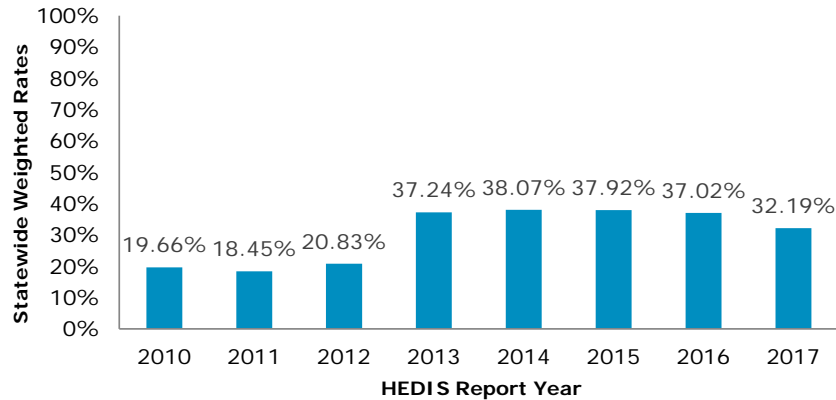
Footnote: Data reporting began in 2010. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 26. CIS: Combination 7



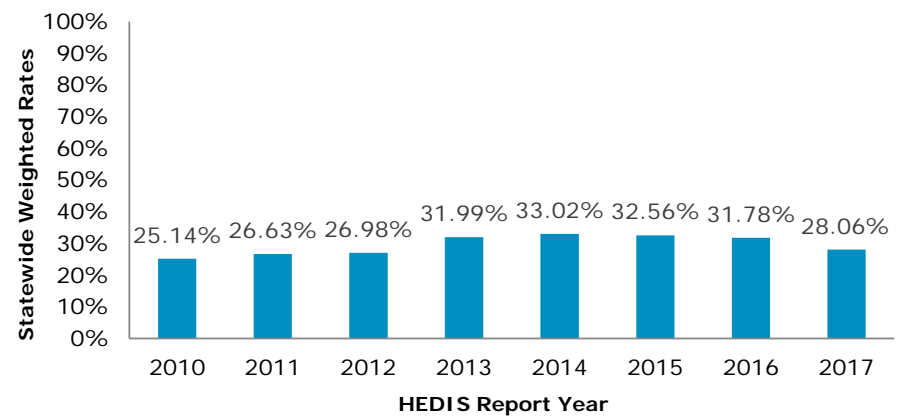
Footnote: Data reporting began in 2010. HepA dose requirements changed in 2013 from two doses to at least one dose; hence, trend with caution. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 27. CIS: Combination 8



Footnote: Data reporting began in 2010. HepA dose requirements changed in 2013 from two doses to at least one dose; hence, trend with caution. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

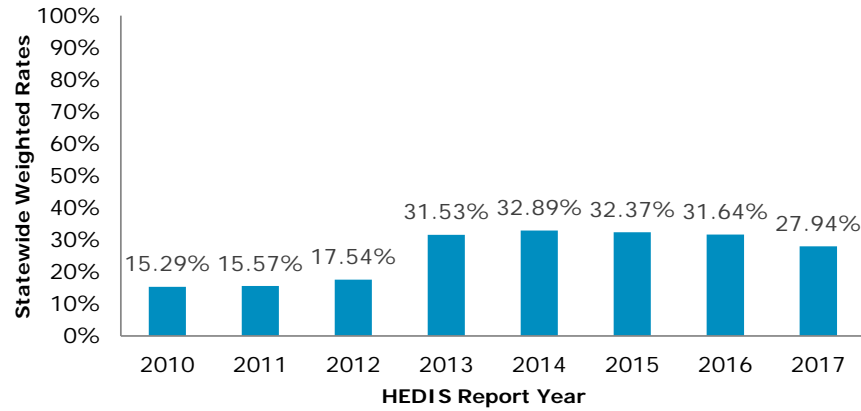
Fig. 28. CIS: Combination 9



Footnote: Data reporting began in 2010. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

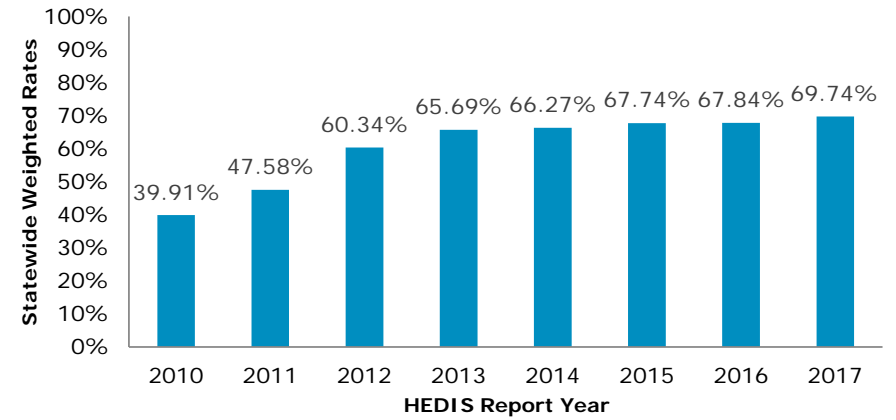
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening

Fig. 29. CIS: Combination 10



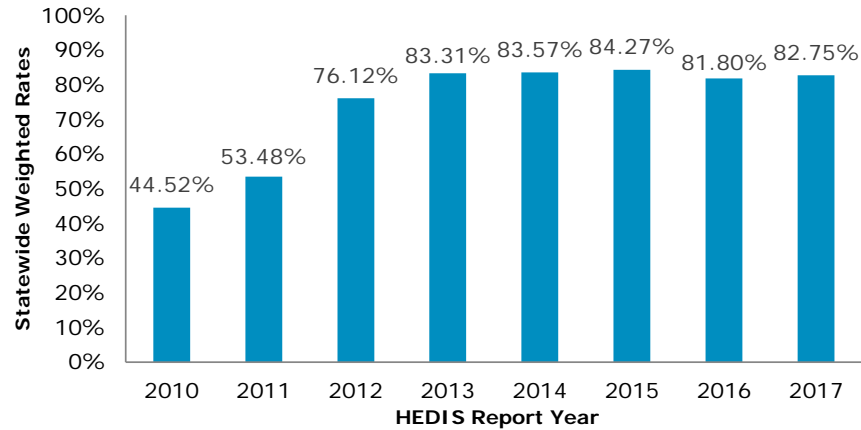
Footnote: Data reporting began in 2010. HepA dose requirements changed in 2013 from two doses to at least one dose; hence, trend with caution. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 30. Immunizations for Adolescents (IMA): Meningococcal



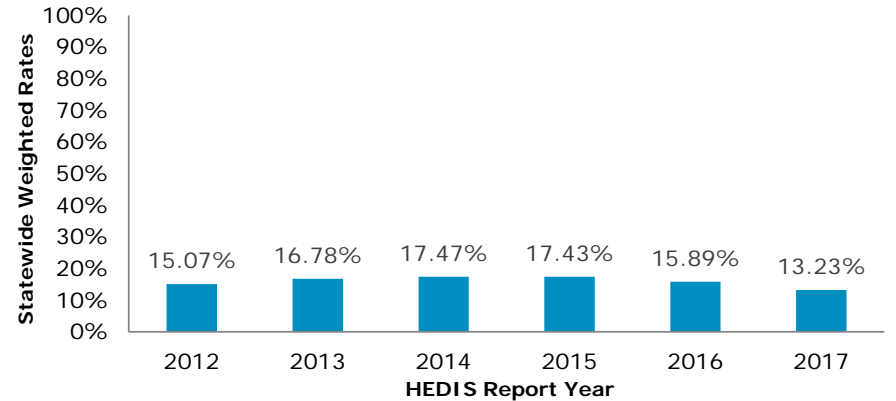
Footnote: Data reporting began in 2010.

Fig. 31. IMA: Tdap/Td



Footnote: Data reporting began in 2010.

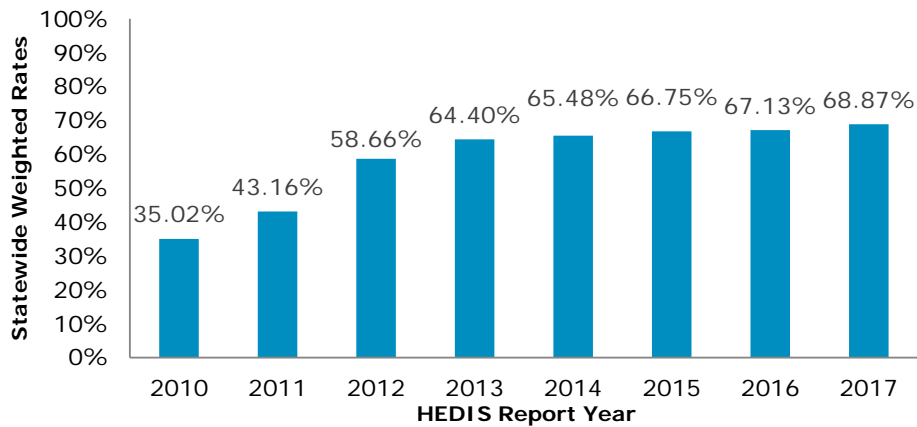
Fig. 32. HPV: Adolescents



Footnote: Data reporting began in 2012. In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution. Measure extended to males and females as of HEDIS 2017, was female only in prior years.

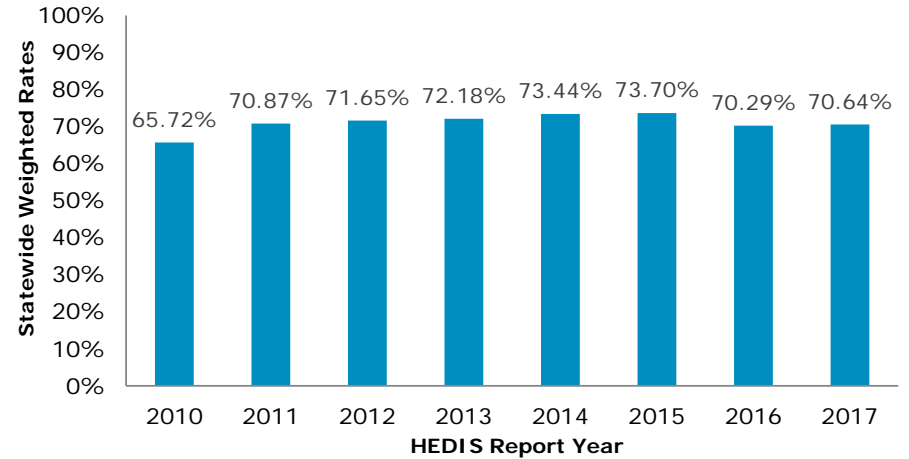
Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening

Fig. 33. IMA: Combination 1



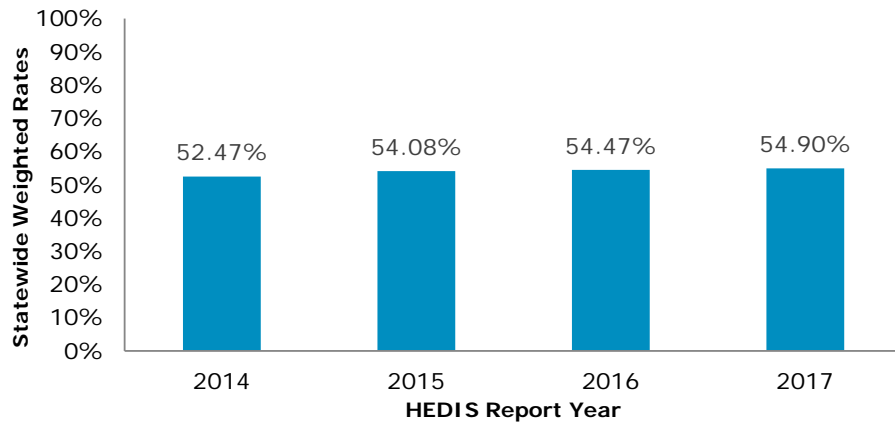
Footnote: Data reporting began in 2010.

Fig. 34. Lead Screening in Children (LSC)



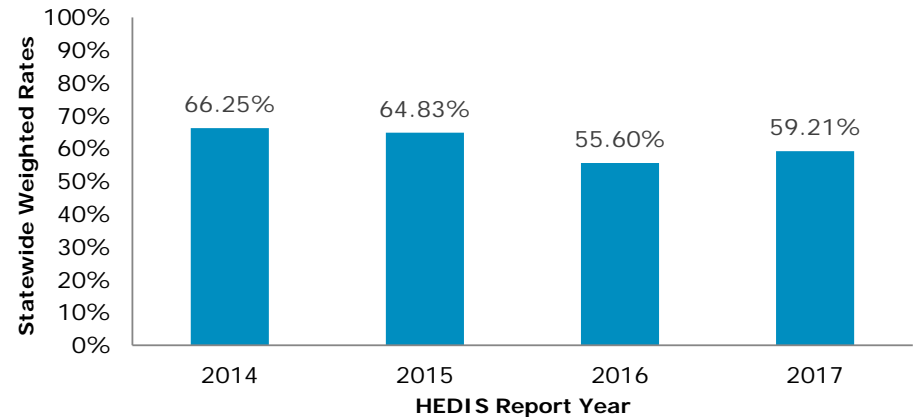
Footnote: Data reporting began in 2008 (2008 and 2009 data are not reported in these graphs). Measure specifications changed in 2011; trending between 2011 and prior years should be considered with caution.

Fig. 35. Breast Cancer Screening (BCS)



Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Fig. 36. Cervical Cancer Screening (CCS)



Footnote: Due to significant changes to the measure specification in 2014 CCS was identified as having first-year status, results for this measure cannot be trended with previous years' results.

Medicaid HEDIS Trending—Effectiveness of Care Measures: Prevention and Screening

Fig. 37. Chlamydia Screening in Women (CHL): 16–20 years

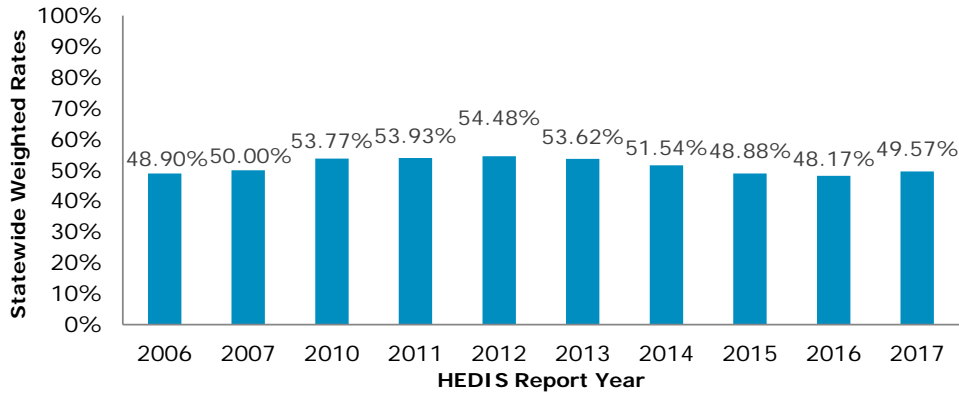
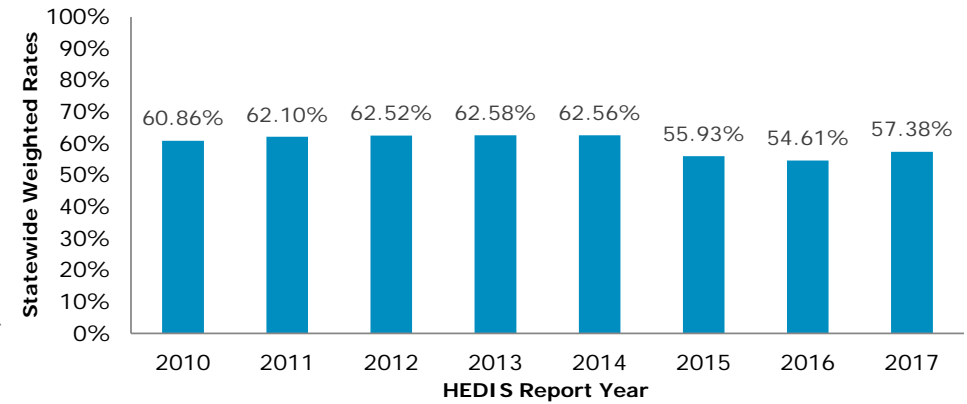
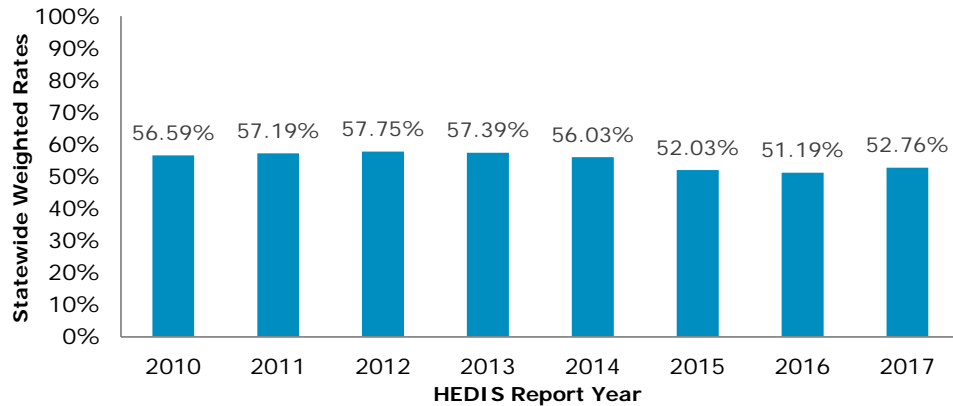


Fig. 38. CHL: 21–24 years



Footnote: Age stratification changed in 2009 (2008 and 2009 data are not reported in these graphs); as such, no comparative data are available from previous years.

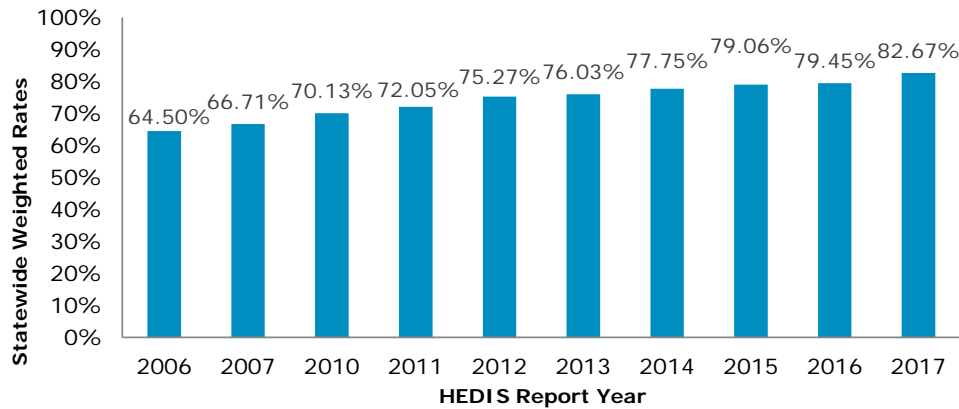
Fig. 39. CHL: Total



Footnote: Age stratification changed in 2009 (2008 and 2009 data are not reported in these graphs); as such, no comparative data are available from previous years.

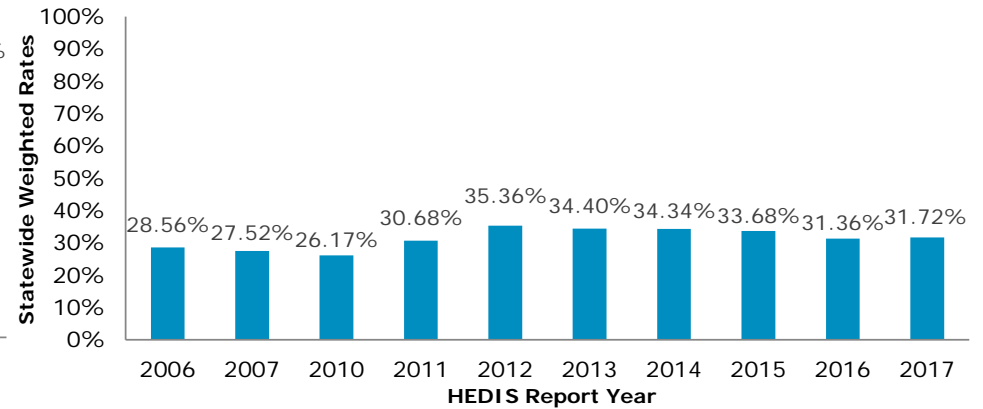
Effectiveness of Care Measures—Respiratory Conditions

Fig. 40. Appropriate Testing for Children With Pharyngitis (CWP)



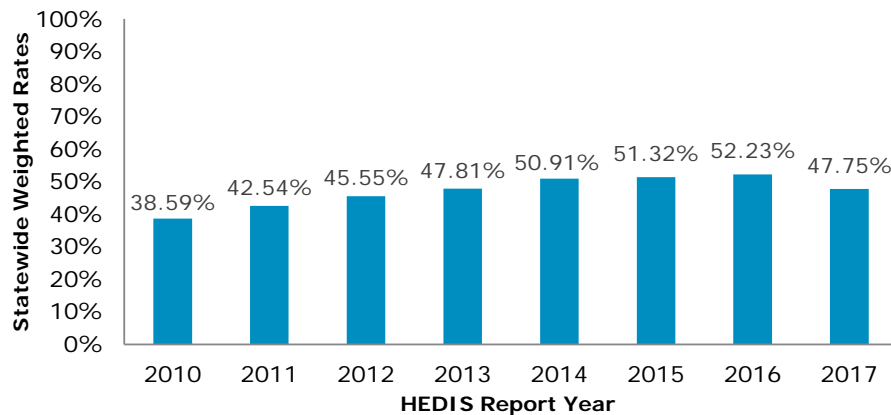
Footnote: For HEDIS 2016, the description and ages were changed from “2–18 years of age” to “3–18 years of age”; trending with prior years should be done with caution.

Fig. 41. Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)



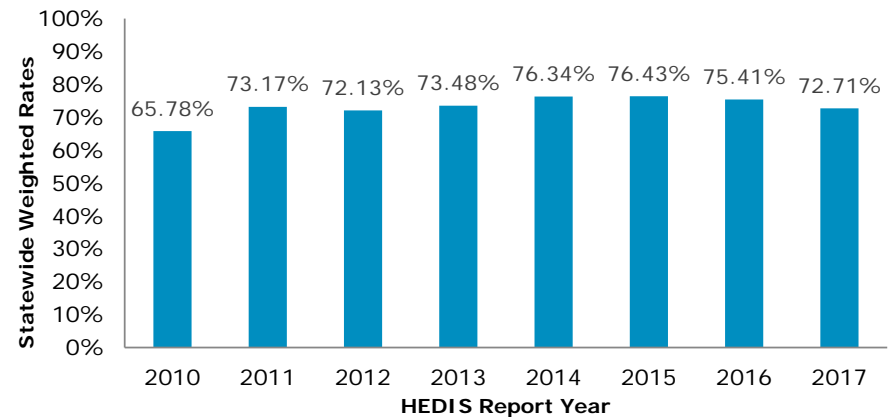
Footnote: Measure specifications changed in 2011; trending between 2011 and prior years should be considered with caution.

Fig. 42. Pharmacotherapy Management of COPD Exacerbation (PCE): Systemic Corticosteroid



Footnote: Data reporting began in 2008 (2008 and 2009 data are not reported in these graphs). For HEDIS 2017, the exclusion was deleted for Episode Dates when there was a readmission or an ED visit within 14 days.

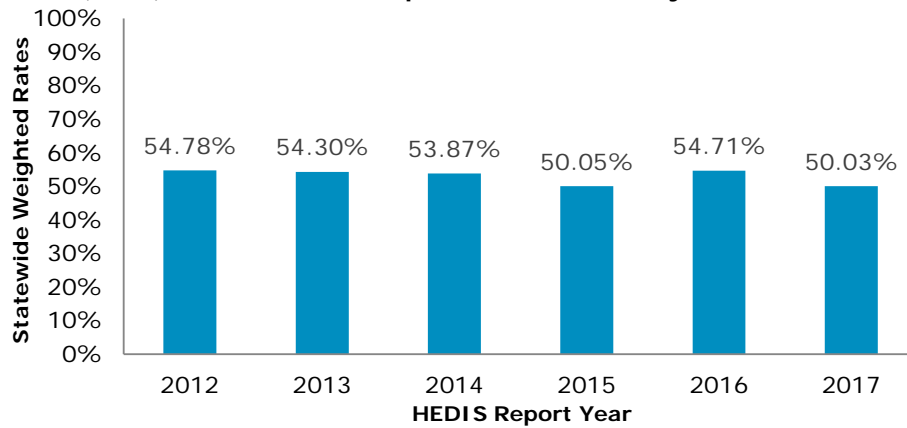
Fig. 43. PCE: Bronchodilator



Footnote: Data reporting began in 2008 (2008 and 2009 data are not reported in these graphs). For HEDIS 2017, the exclusion was deleted for Episode Dates when there was a readmission or an ED visit within 14 days.

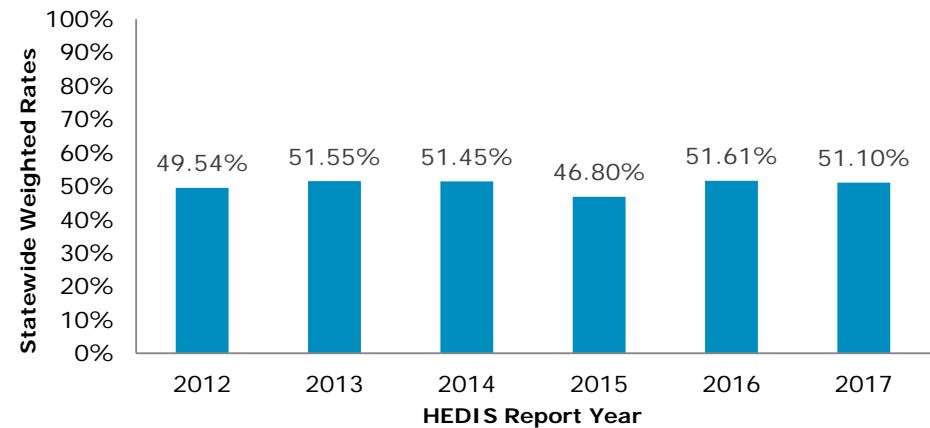
Medicaid HEDIS Trending—Effectiveness of Care Measures: Respiratory Conditions

Fig. 44. Medication Management for People With Asthma (MMA)—Medication Compliance 50%: 5–11 years



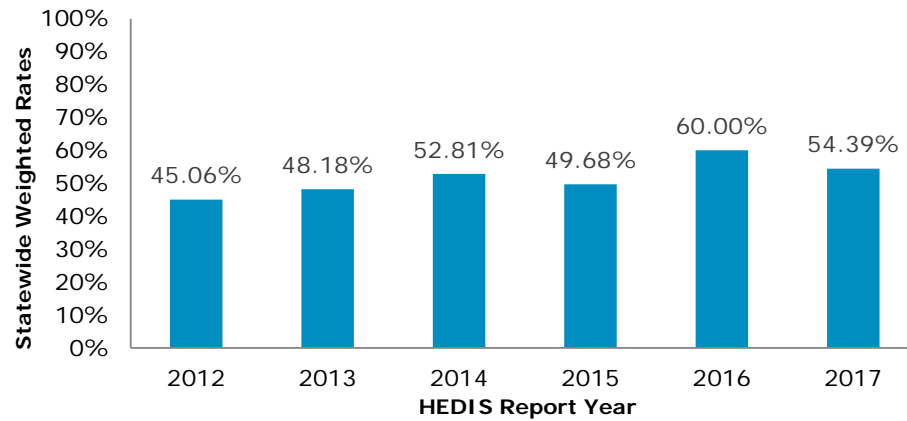
Footnote: Data reporting began in 2012.

Fig. 45. MMA—Medication Compliance 50%: 12–18 years



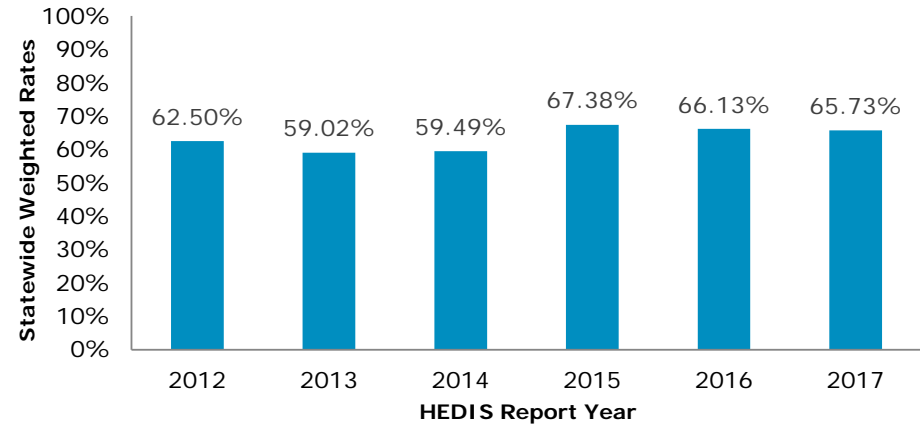
Footnote: Data reporting began in 2012.

Fig. 46. MMA—Medication Compliance 50%: 19-50 years



Footnote: Data reporting began in 2012.

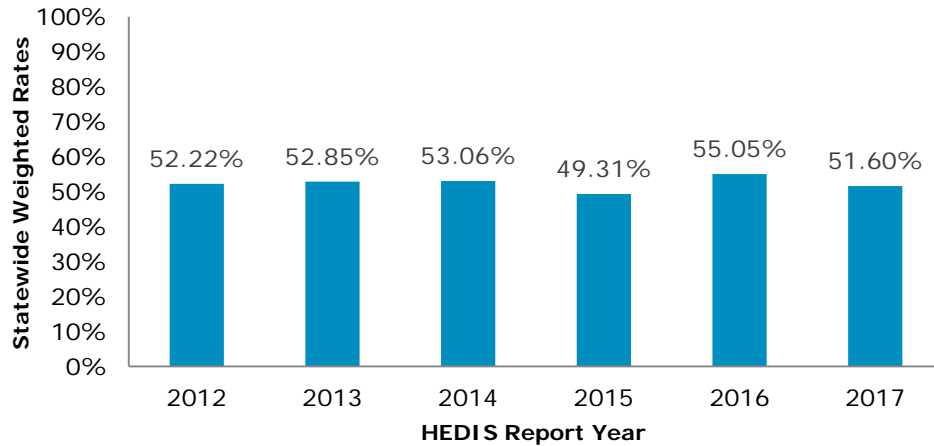
Fig. 47. MMA—Medication Compliance 50%: 51–64 years



Footnote: Data reporting began in 2012.

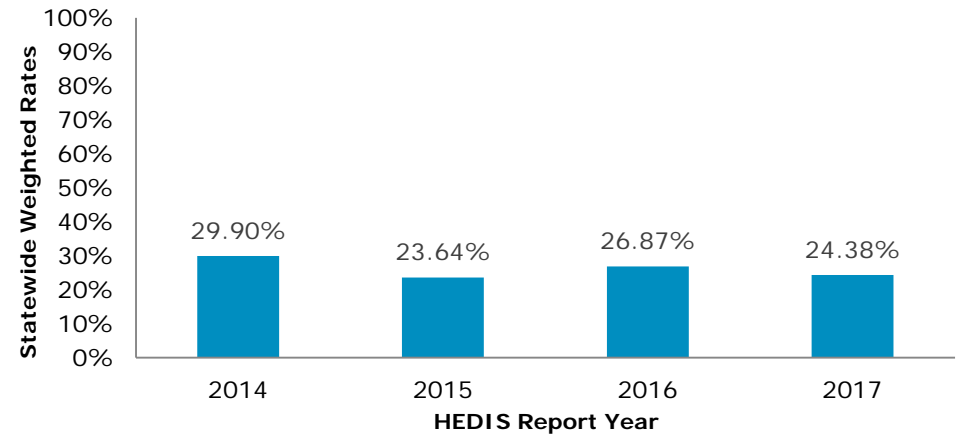
Medicaid HEDIS Trending—Effectiveness of Care Measures: Respiratory Conditions

Fig. 48. MMA—Medication Compliance 50%: Total



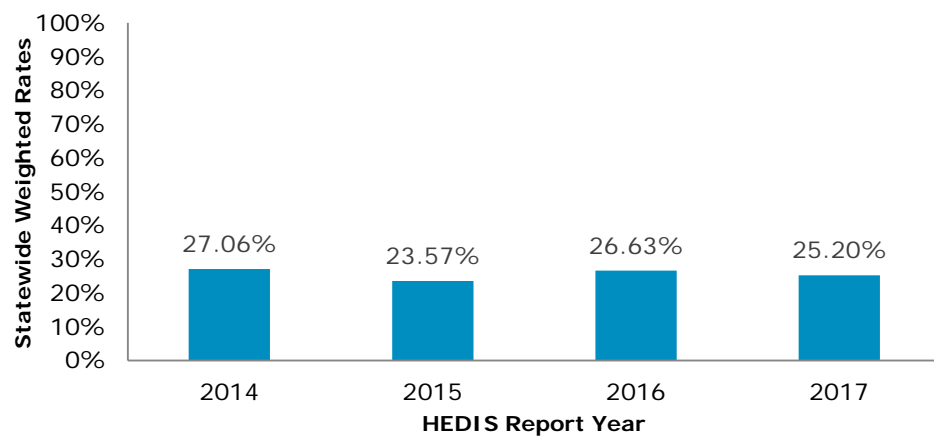
Footnote: Data reporting began in 2012.

Fig. 49. MMA—Medication Compliance 75%: 5–11 years



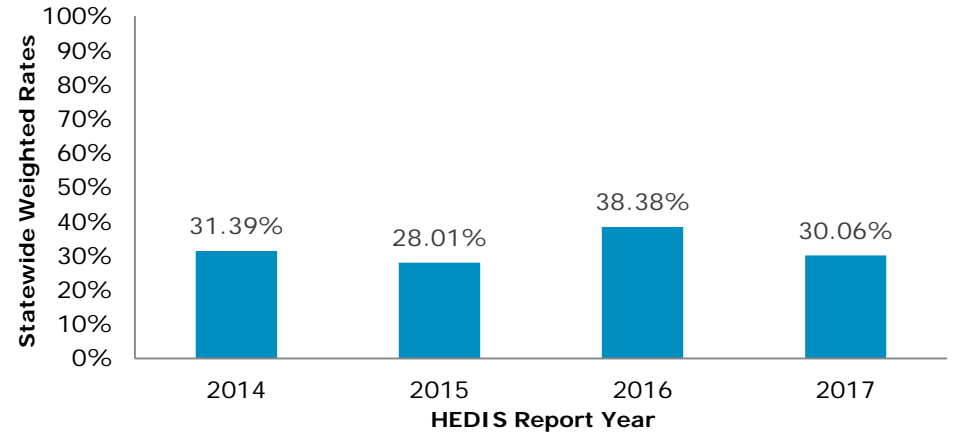
Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Fig. 50. MMA—Medication Compliance 75%: 12–18 years



Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Fig. 51. MMA—Medication Compliance 75%: 19–50 years



Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Medicaid HEDIS Trending—Effectiveness of Care Measures: Respiratory Conditions

Fig. 52. MMA—Medication Compliance 75%: 51–64 years

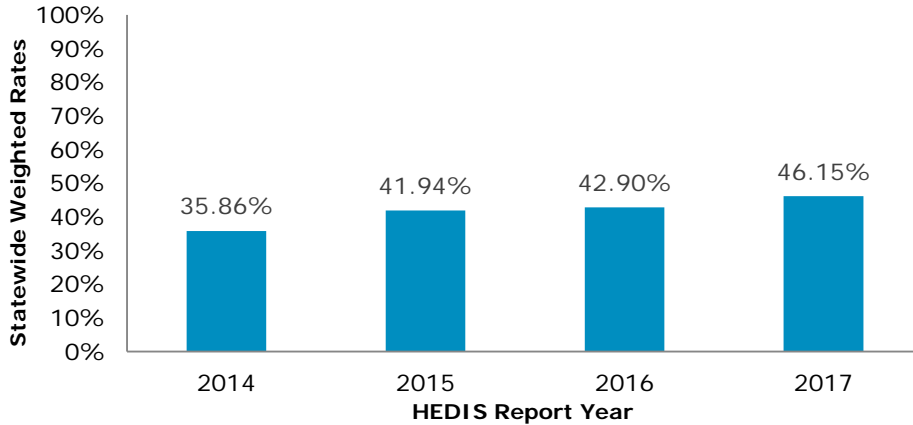
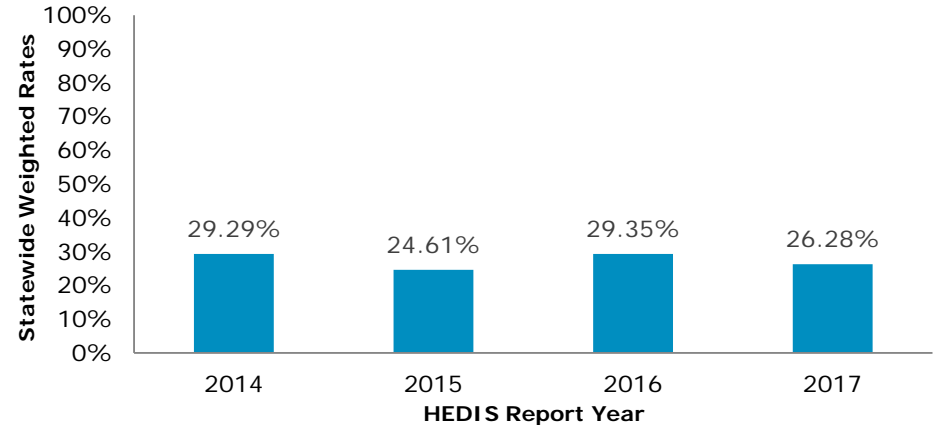


Fig. 53. MMA—Medication Compliance 75%: Total



Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Fig. 54. Asthma Medical Ratio (AMR): 5–11 years

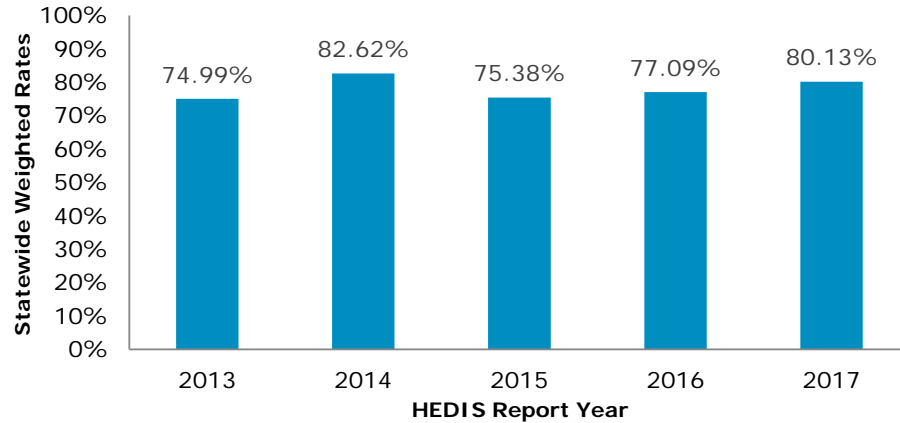
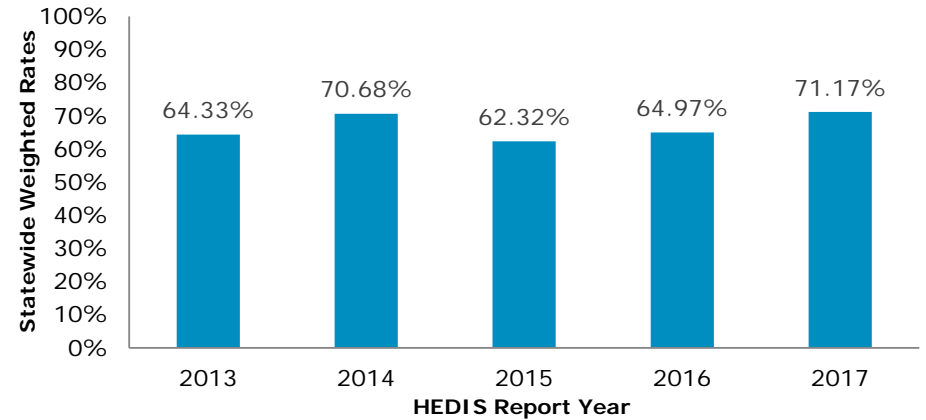


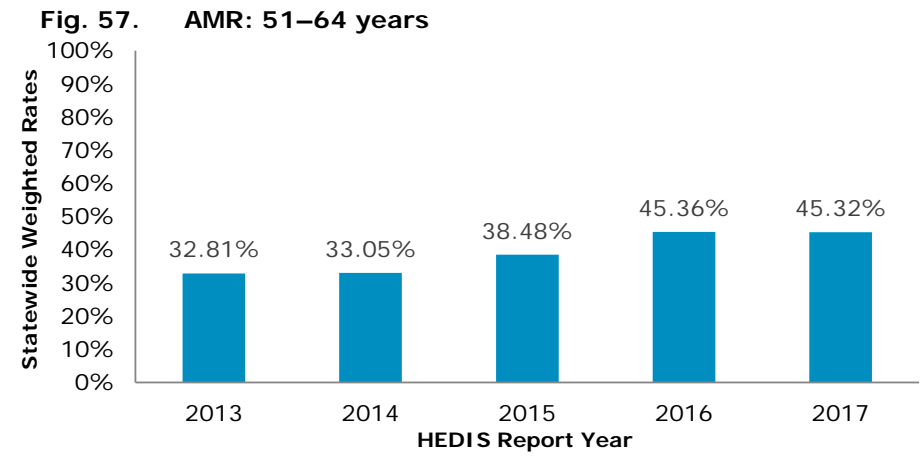
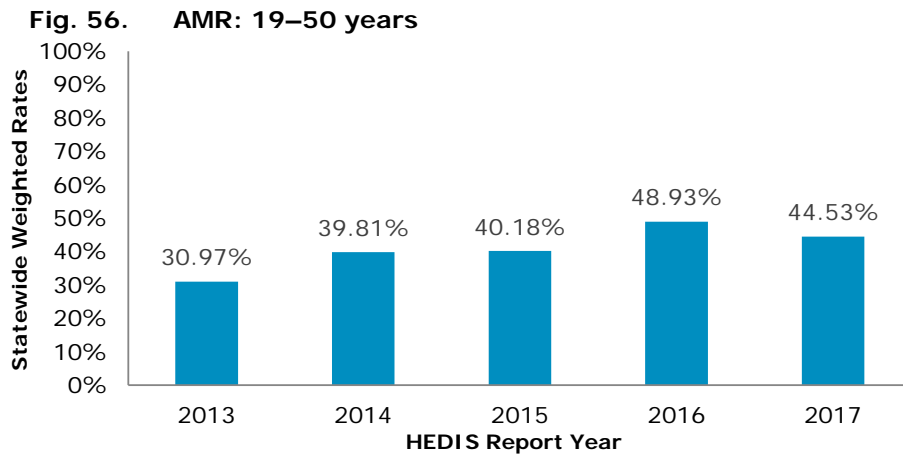
Fig. 55. AMR: 12–18 years



Footnote: Data reporting began in 2013. In 2015, an error was identified in the National Drug Code (NDC) list dosing requirement for one of the NDCs used when reporting the AMR measure. Trending between prior years' should be considered with caution.

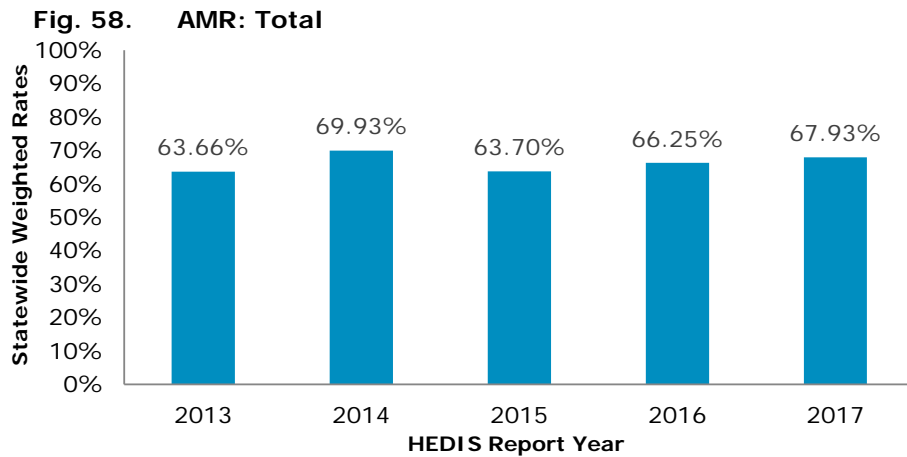
Footnote: Data reporting began in 2013. In 2015, an error was identified in the National Drug Code (NDC) list dosing requirement for one of the NDCs used when reporting the AMR measure. Trending between prior years' should be considered with caution.

Medicaid HEDIS Trending—Effectiveness of Care Measures: Respiratory Conditions



Footnote: Data reporting began in 2013. In 2015, an error was identified in the National Drug Code (NDC) list dosing requirement for one of the NDCs used when reporting the AMR measure. Trending between prior years' should be considered with caution.

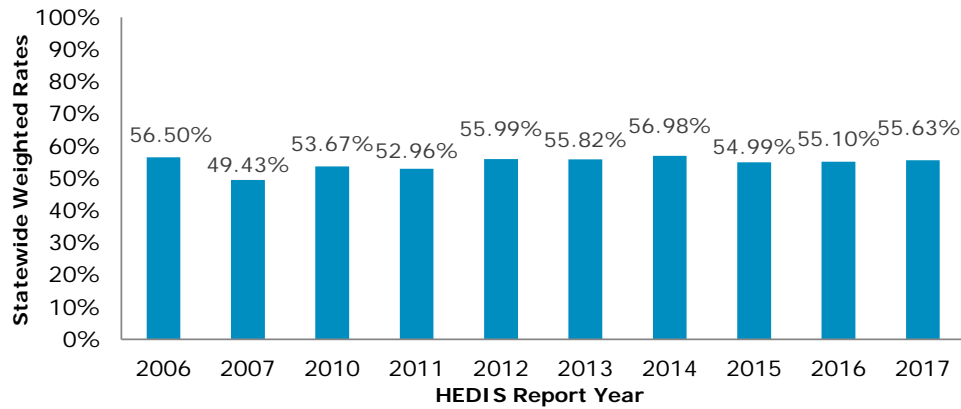
Footnote: Data reporting began in 2013. In 2015, an error was identified in the National Drug Code (NDC) list dosing requirement for one of the NDCs used when reporting the AMR measure. Trending between prior years' should be considered with caution.



Footnote: Data reporting began in 2013. In 2015, an error was identified in the National Drug Code (NDC) list dosing requirement for one of the NDCs used when reporting the AMR measure. Trending between prior years' should be considered with caution.

Effectiveness of Care Measures—Cardiovascular Conditions

Fig. 59. Controlling High Blood Pressure (CBP)



Footnote: In 2015, due to notable changes to the measure specification, results should be considered with caution.

Fig. 60. Persistence of Beta-Blocker Treatment After a Heart Attack (PBH)

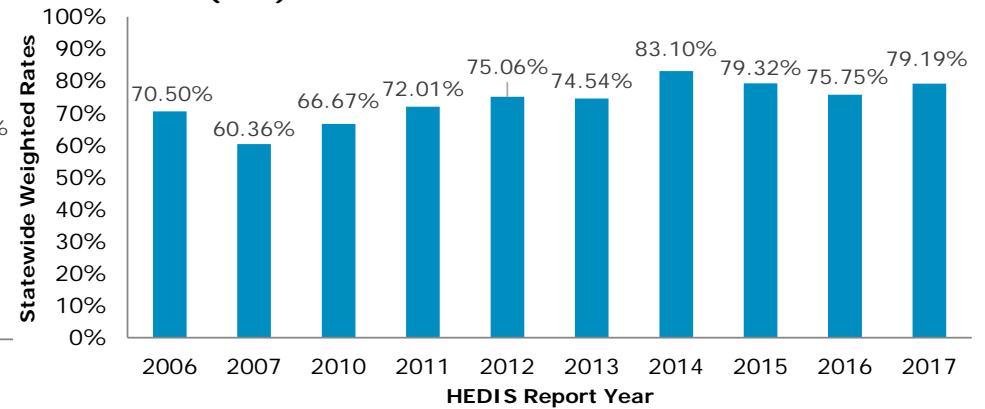
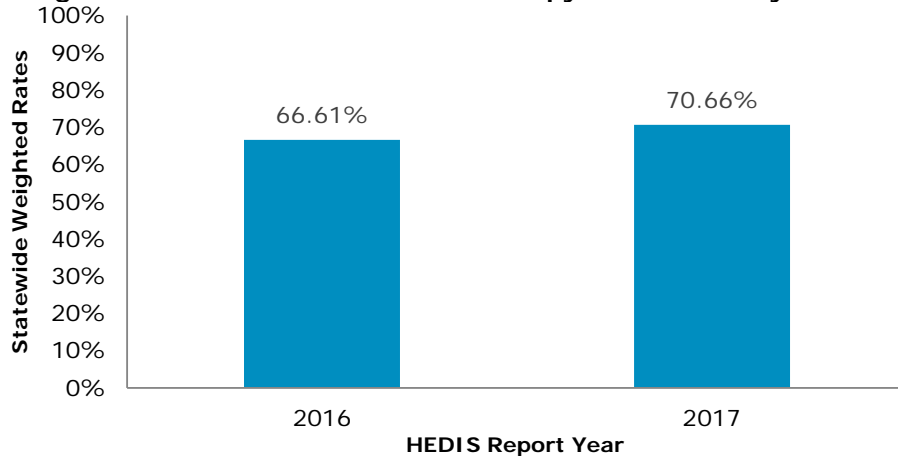
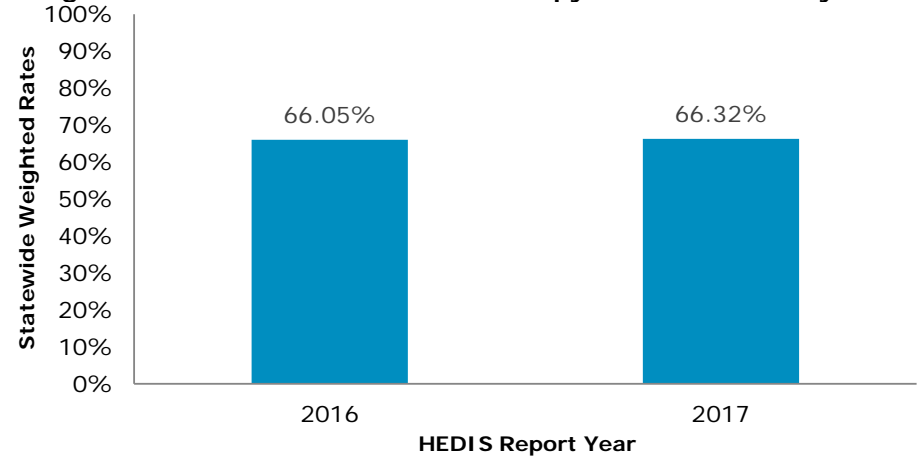


Fig. 61. SPC—Received Statin Therapy: Males 21-75 years



Footnote: Data reporting began in 2015.

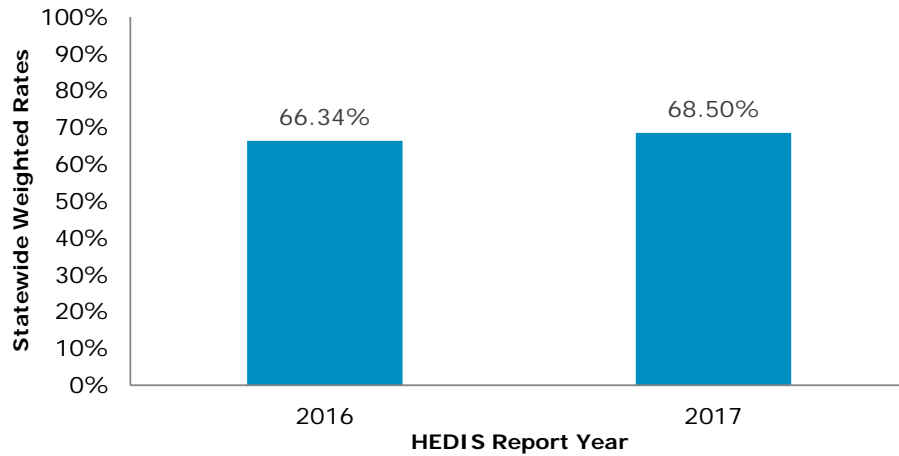
Fig. 62. SPC—Received Statin Therapy: Females 40 -75 years



Footnote: Data reporting began in 2015.

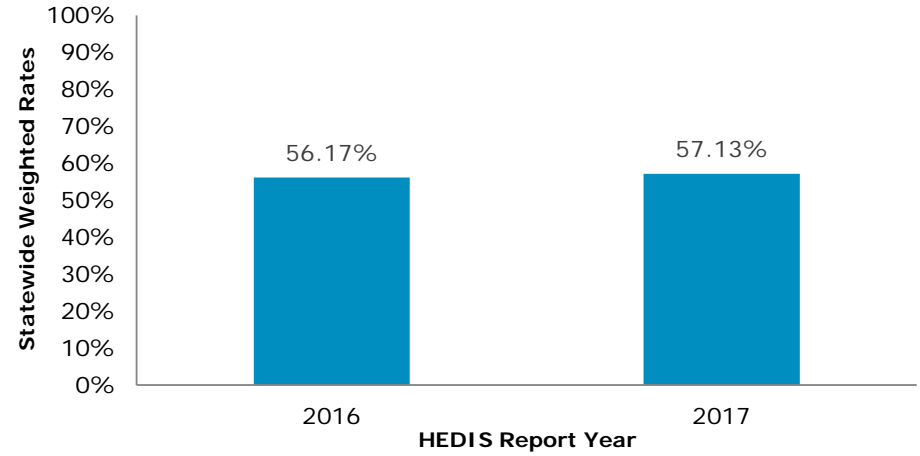
Medicaid HEDIS Trending—Effectiveness of Care Measures: Cardiovascular Conditions

Fig. 63. SPC—Received Statin Therapy: Total



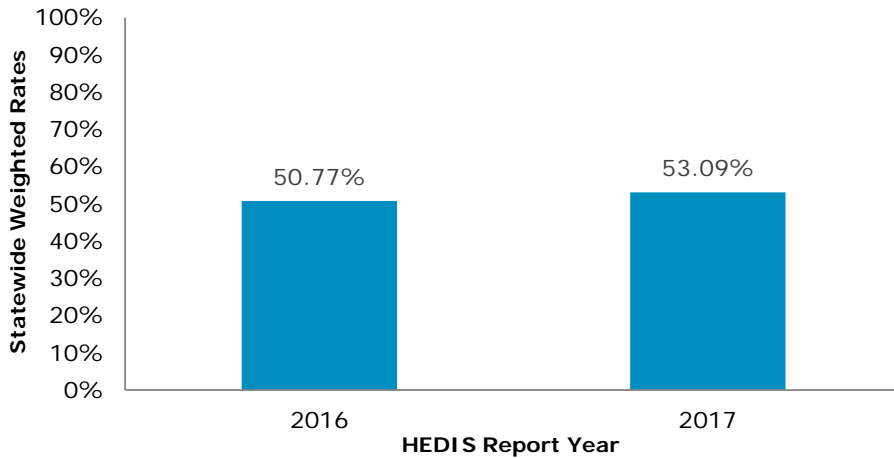
Footnote: Data reporting began in 2015.

Fig. 64. SPC—Statin Adherence 80%: Males 21-75 years



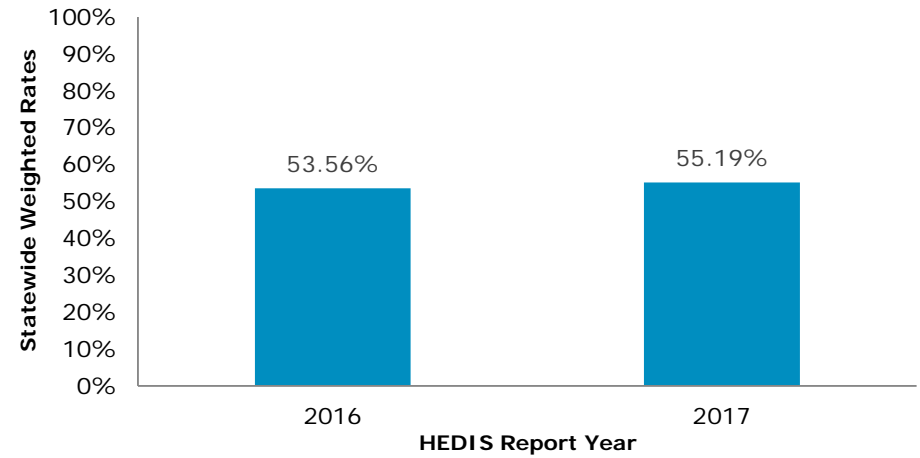
Footnote: Data reporting began in 2015.

Fig. 65. SPC—Statin Adherence 80%: Females 40 -75 years



Footnote: Data reporting began in 2015.

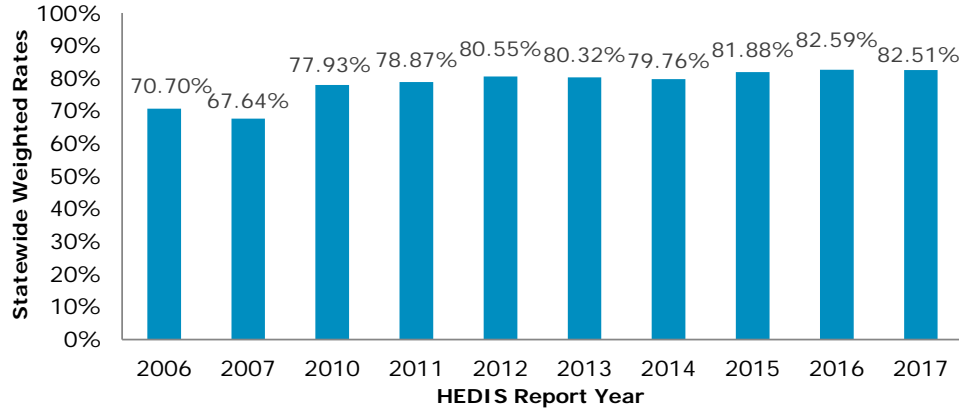
Fig. 66. SPC—Statin Adherence 80%: Total



Footnote: Data reporting began in 2015.

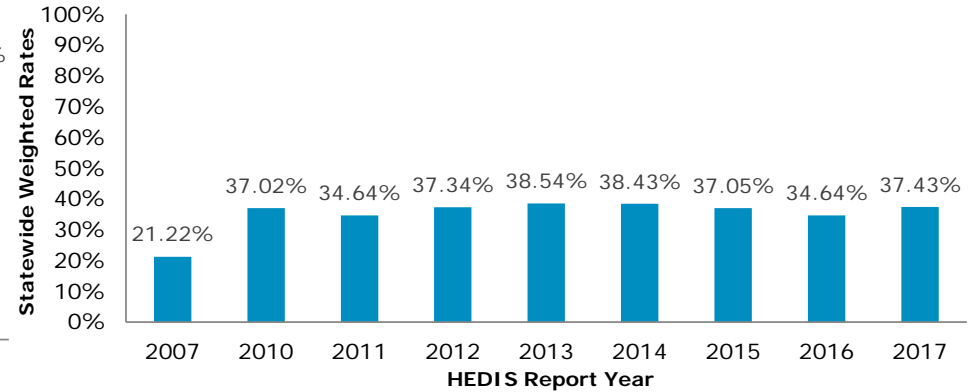
Effectiveness of Care Measures—Diabetes

Fig. 67. Comprehensive Diabetes Care (CDC): HbA1c Testing



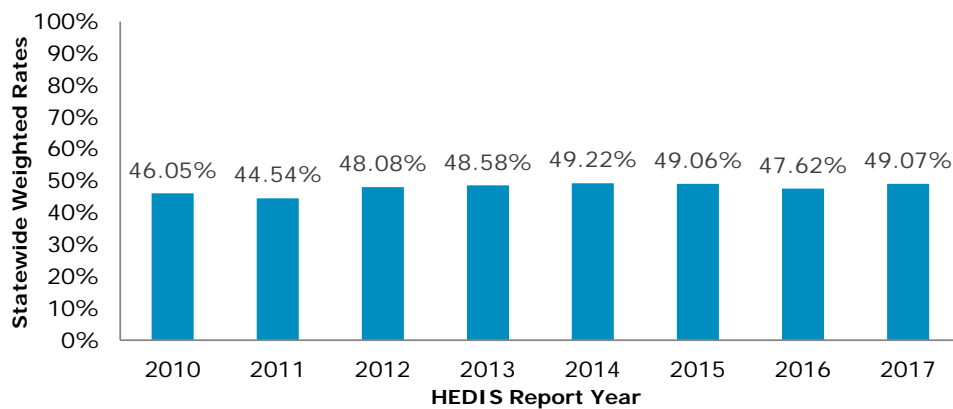
Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

Fig. 68. CDC: HbA1c Control (<7.0%)



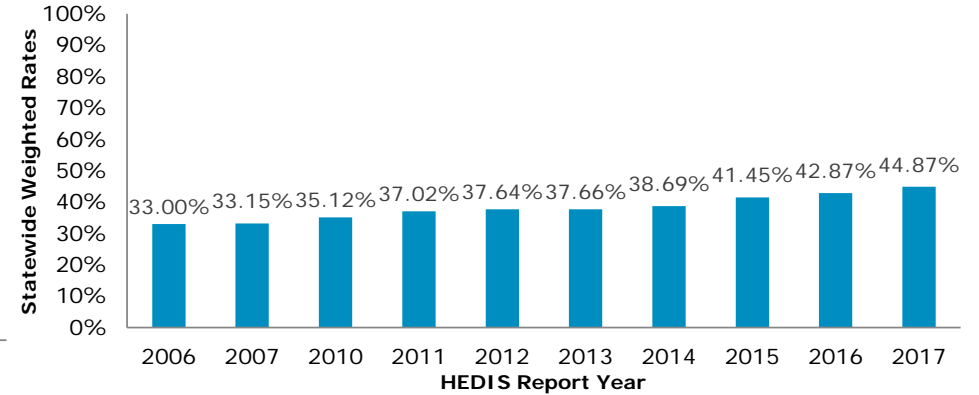
Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

Fig. 69. CDC: HbA1c Control (<8.0%)



Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

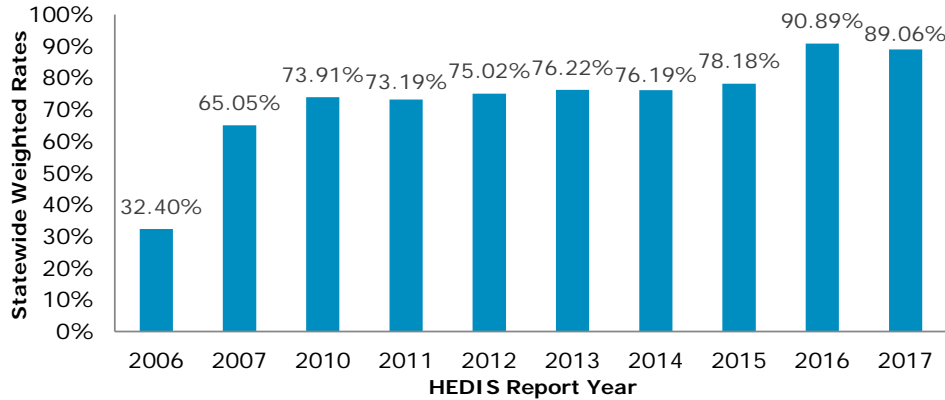
Fig. 70. CDC: Retinal Eye Exam Performed



Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

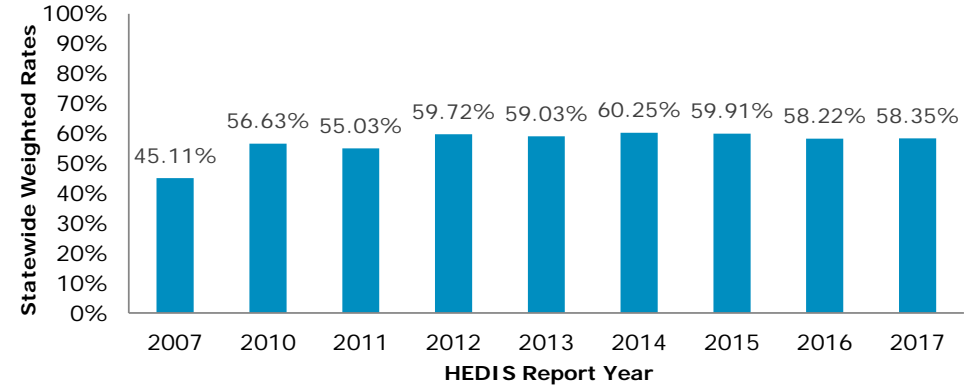
Medicaid HEDIS Trending—Effectiveness of Care Measures: Diabetes

Fig. 71. CDC: Medical Attention for Nephropathy



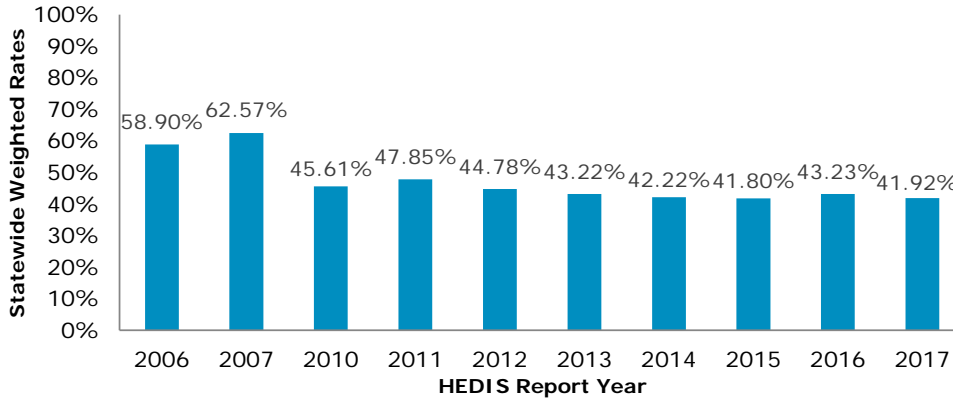
Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

Fig. 72. CDC: Blood Pressure Control (<140/90 mm Hg)



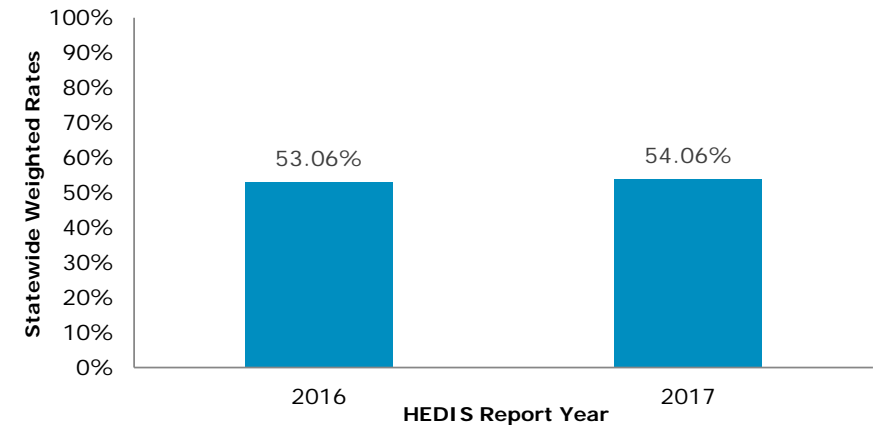
Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

Fig. 73. CDC: HbA1c Poor Control (>9.0%)*



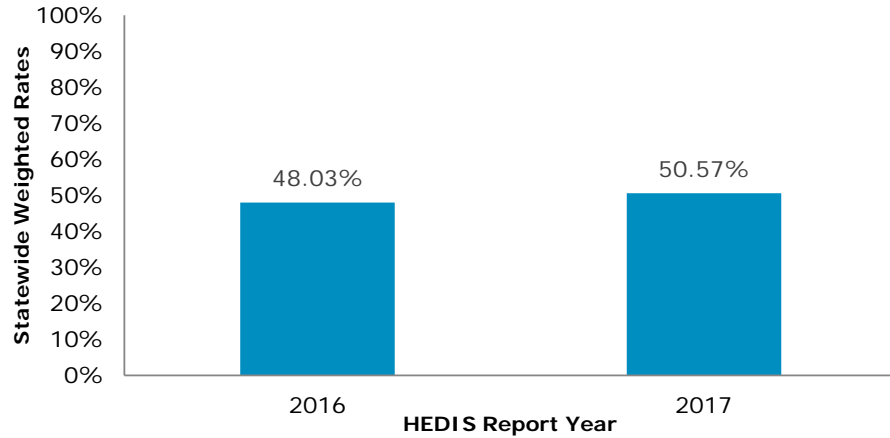
*Lower rates for this measure indicate better performance.
Footnote: Trending between 2016 and prior years should be considered with caution due to conversion to ICD-10 codes. Also trending between 2015 and prior years' should be considered with caution due to revision to General Guideline 41 and ED visit requirement.

Fig. 74. SPD—Received Statin Therapy: 40-75 years



Footnote: Data reporting began in 2015.

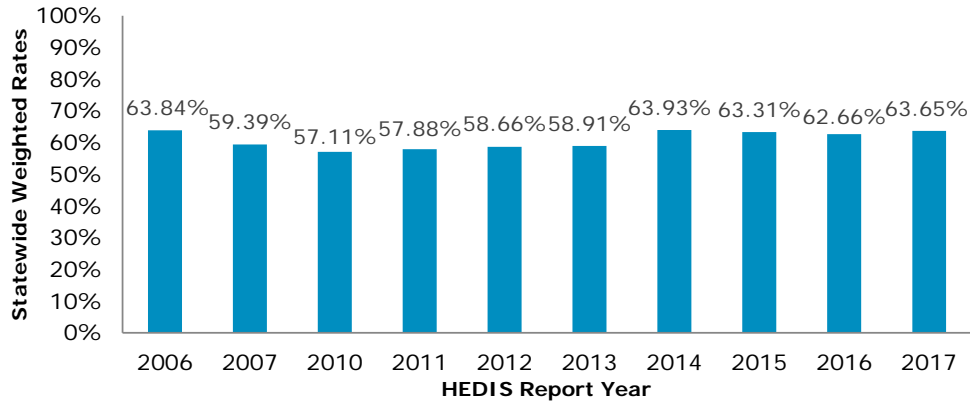
Fig. 75. SPD—Statin Adherence 80%: 40-75 years



Footnote: Data reporting began in 2015

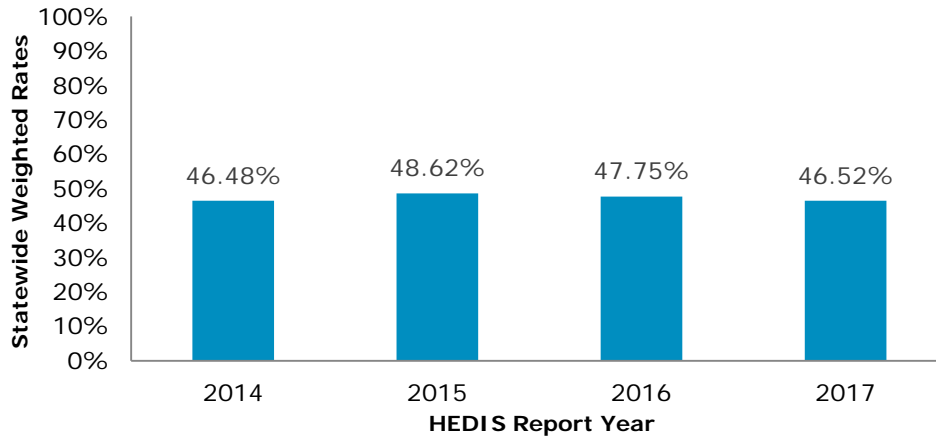
Effectiveness of Care Measures—Musculoskeletal Conditions

Fig. 76. Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis (ART)



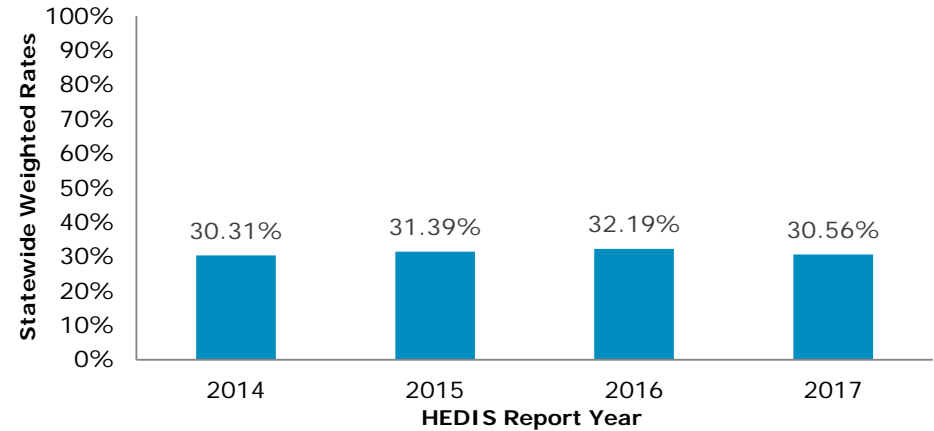
Effectiveness of Care Measures—Behavioral Health

Fig. 77. Antidepressant Medication Management (AMM): Effective Acute Phase Treatment



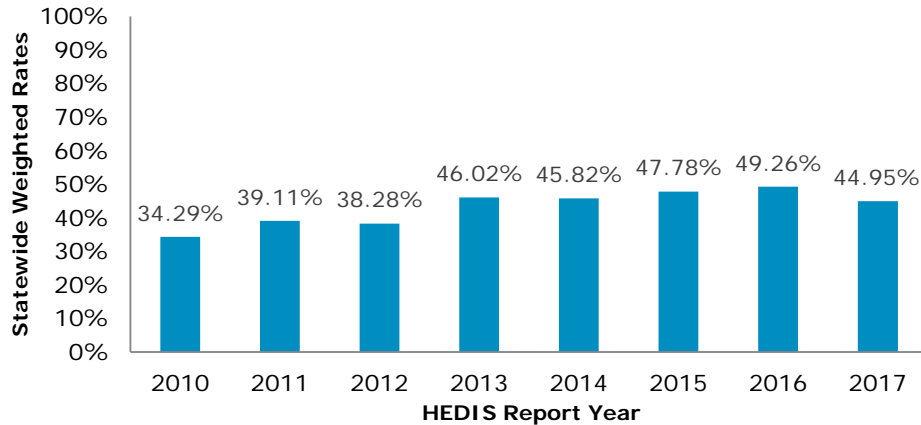
Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Fig. 78. AMM: Effective Continuation Phase Treatment



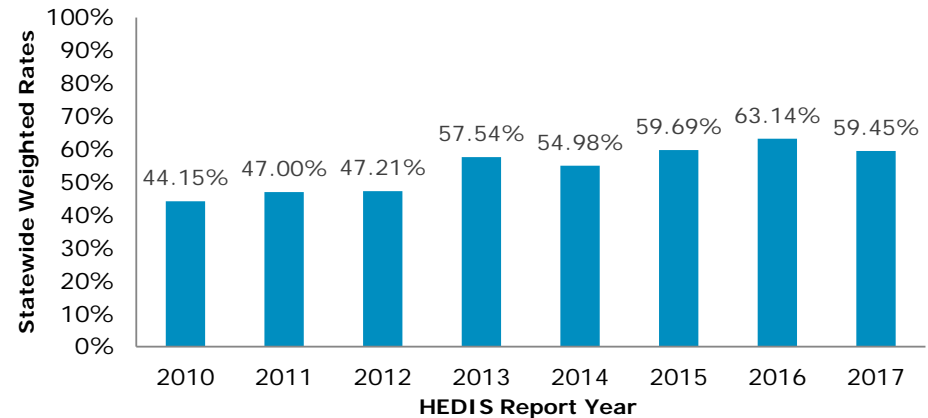
Footnote: Due to significant changes to the measure specification in 2014, results for this measure cannot be trended with previous years' results.

Fig. 79. Follow-Up Care for Children Prescribed ADHD Medication (ADD): Initiation Phase



Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

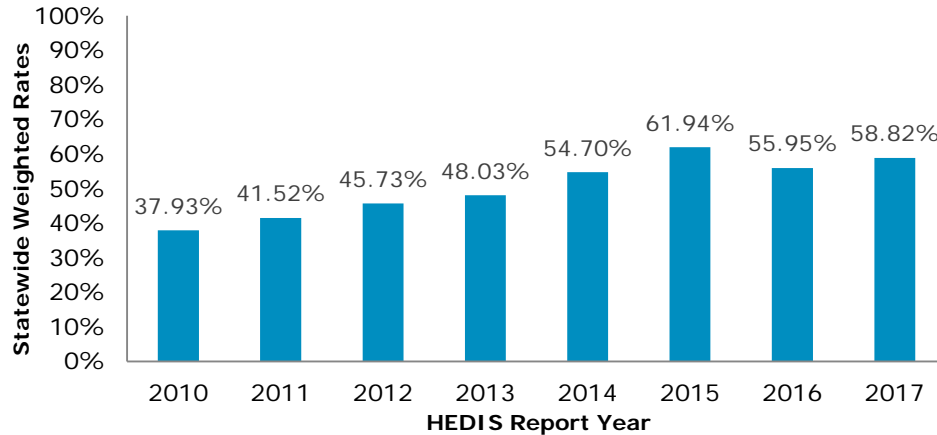
Fig. 80. ADD: Continuation and Maintenance Phase



Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

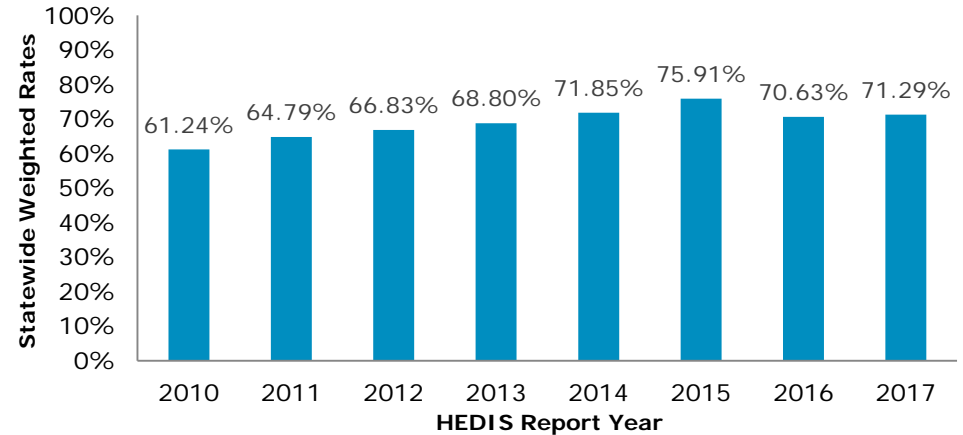
Medicaid HEDIS Trending—Effectiveness of Care Measures: Behavioral Health

Fig. 81. Follow-Up After Hospitalization for Mental Illness (FUH): 7-Day Follow-Up



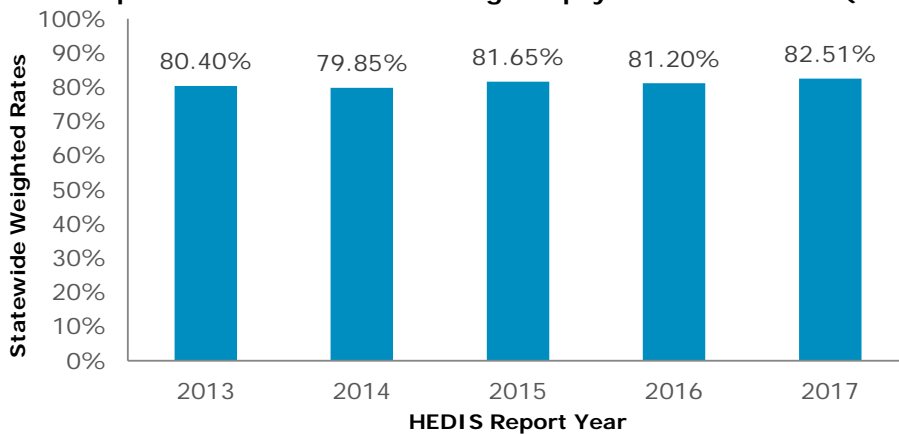
Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Fig. 82. FUH: 30-Day Follow-Up



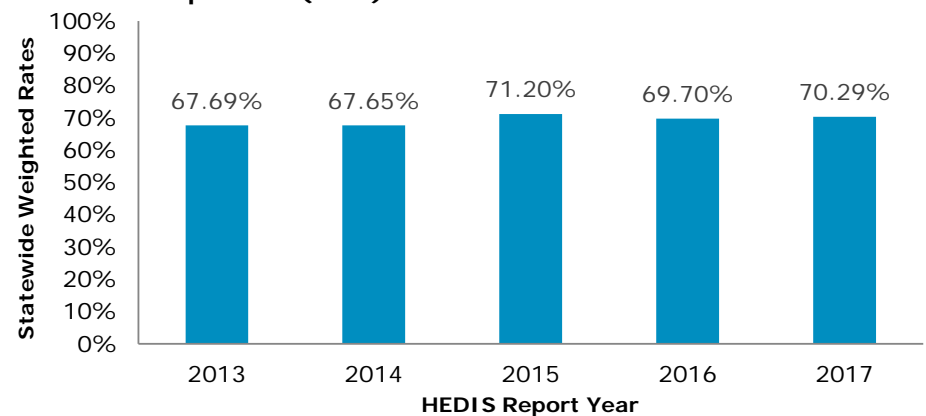
Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Fig. 83. Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medication (SSD)



Footnote: Data reporting began in 2013.

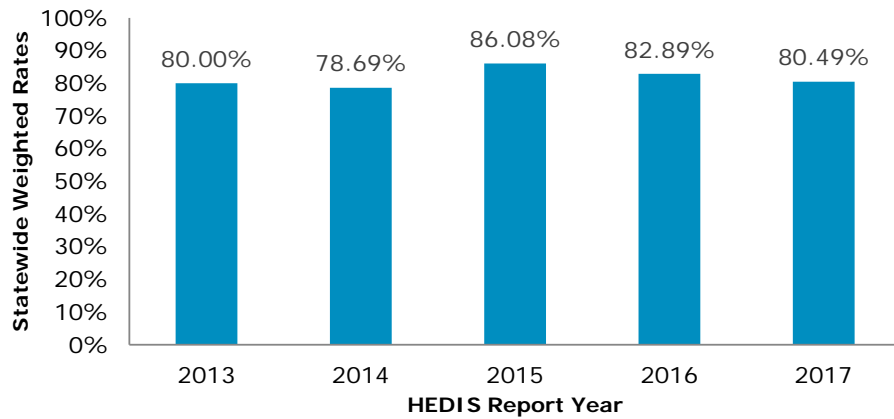
Fig. 84. Diabetes Monitoring for People With Diabetes and Schizophrenia (SMD)



Footnote: Data reporting began in 2013. In 2015, due to notable changes in the measure specification, trending between 2015 and prior years' should be considered with caution.

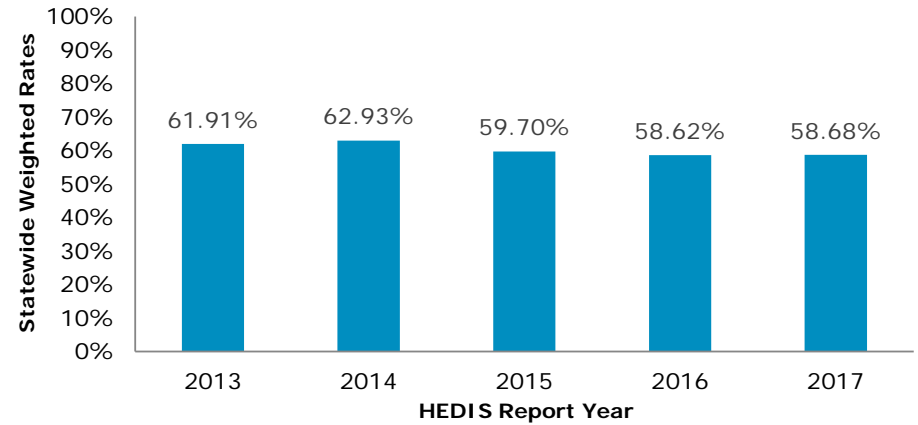
Medicaid HEDIS Trending—Effectiveness of Care Measures: Behavioral Health

Fig. 85. Cardiovascular Monitoring for People With Cardiovascular Disease and Schizophrenia (SMC)



Footnote: Data reporting began in 2013.

Fig. 86. Adherence to Antipsychotic Medications for Individuals With Schizophrenia (SAA)



Footnote: Data reporting began in 2013. In 2016, changes were made to the timeframe when identifying the Index Prescription State Date (IPSD). Trending between 2016 and prior years should be considered with caution.

Fig. 87. Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM): 1-5 Years

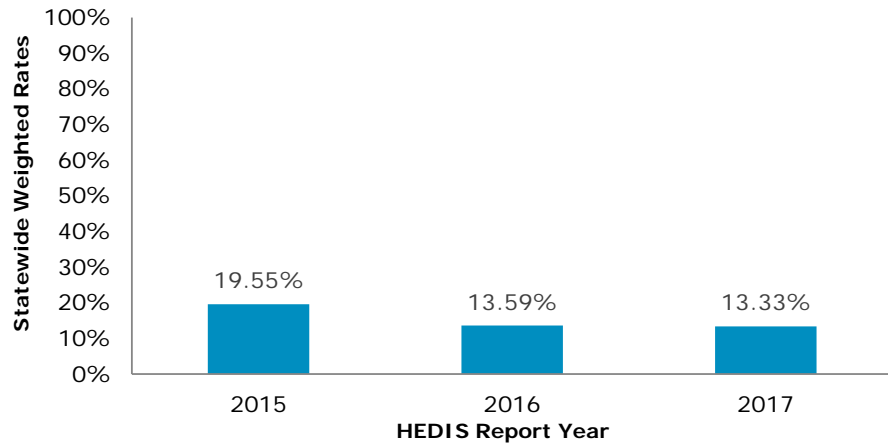
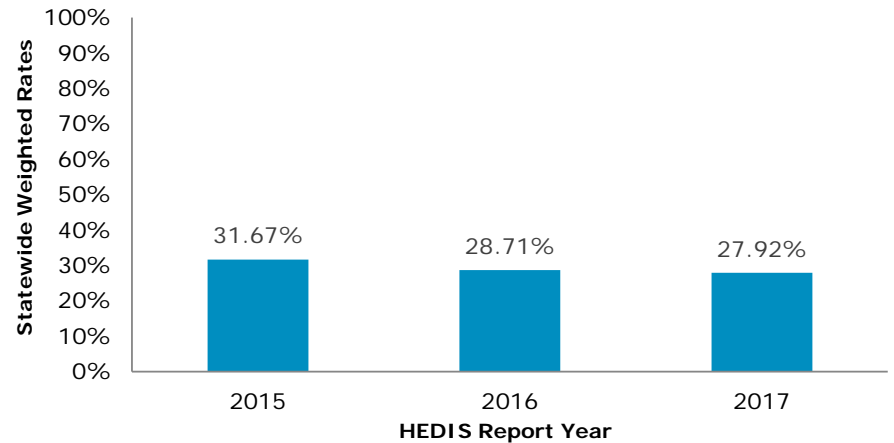


Fig. 88. APM: 6-11 Years



Medicaid HEDIS Trending—Effectiveness of Care Measures: Behavioral Health

Fig. 89. APM: 12-17 Years

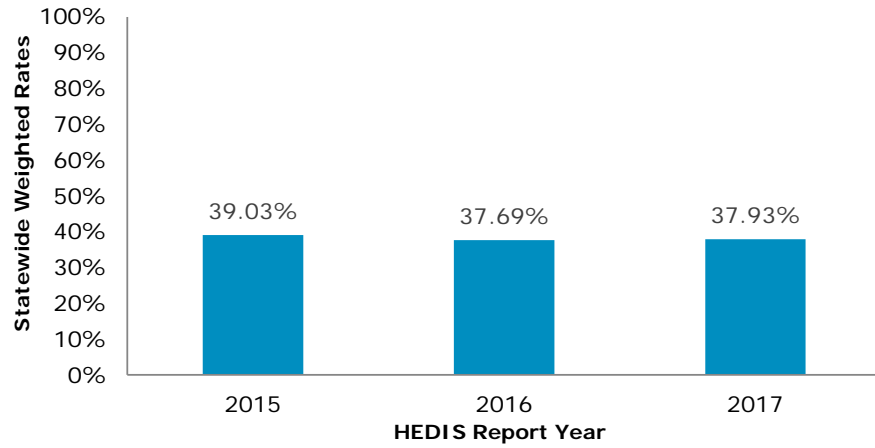
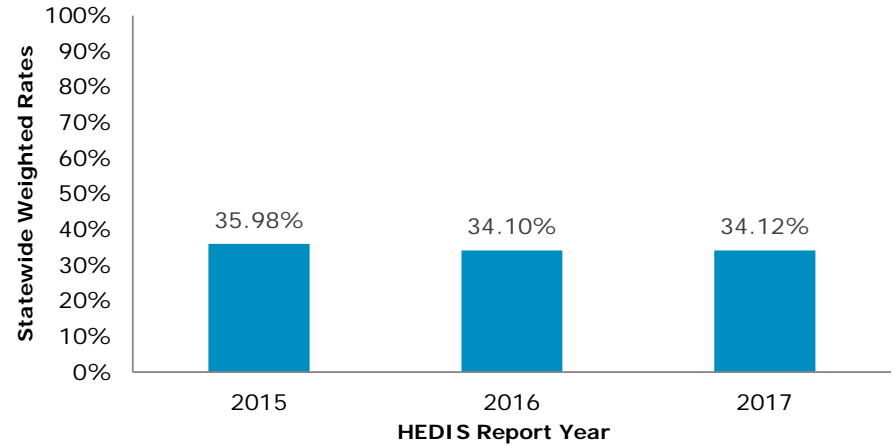
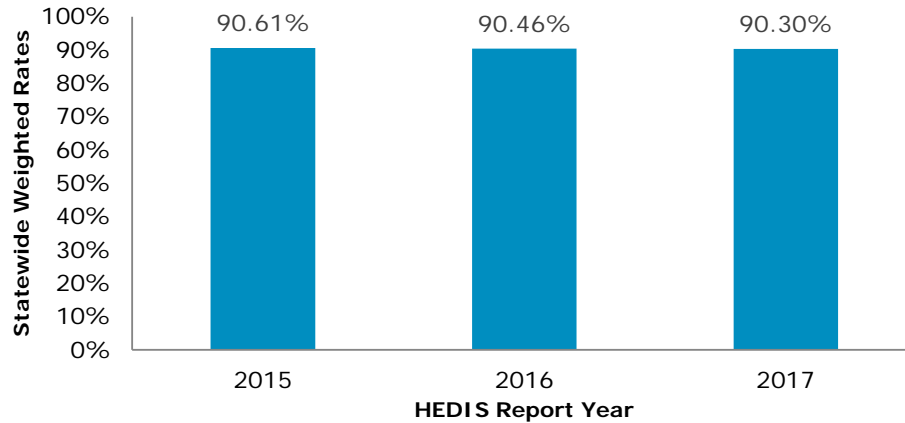


Fig. 90. APM: Total



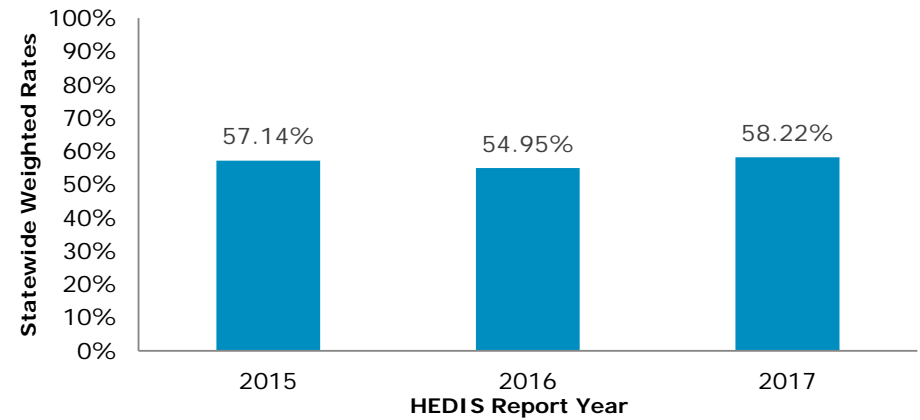
Effectiveness of Care Measures—Medication Management

Fig. 91. Annual Monitoring for Patients on Persistent Medications (MPM): ACE Inhibitors or ARBs



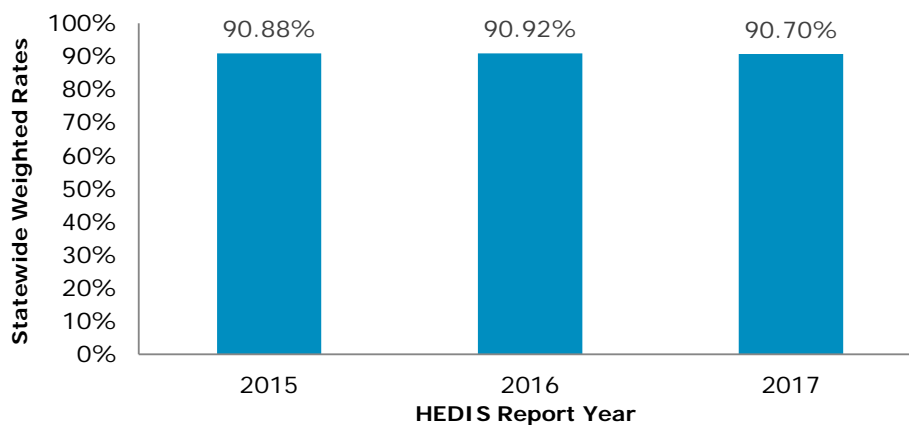
Footnote: In 2015, due to significant changes to the measure specification, results for this measure cannot be trended to previous year's results.

Fig. 92. MPM: Digoxin



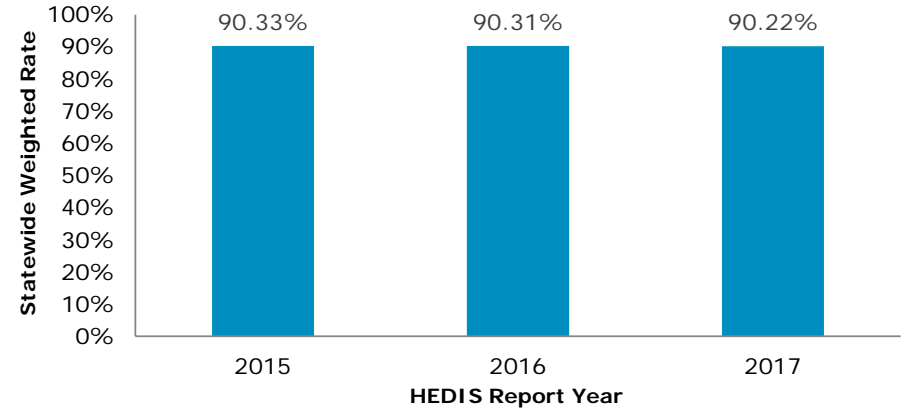
Footnote: In 2015, due to significant changes to the measure specification, results for this measure cannot be trended to previous year's results.

Fig. 93. MPM: Diuretics



Footnote: In 2015, due to significant changes to the measure specification, results for this measure cannot be trended to previous year's results.

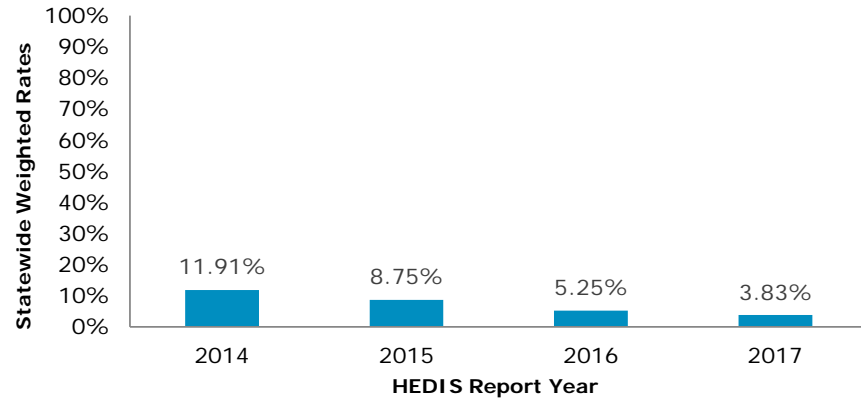
Fig. 94. MPM: Total



Footnote: The anticonvulsants rate was retired in 2015 and is no longer part of the total rate. In 2015, due to significant changes to the measure specification, results for this measure cannot be trended to previous year's results.

Effectiveness of Care Measures—Overuse/Appropriateness

Fig. 95. Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)*



*Lower rates for this measure indicate better performance.
Footnote: Data reporting began in 2014. In 2016, denied claims are no longer included when identifying the numerator of the measure. Trending between 2016 and prior years should be considered with caution.

Fig. 96. Appropriate Treatment for Children With Upper Respiratory Infection (URI)

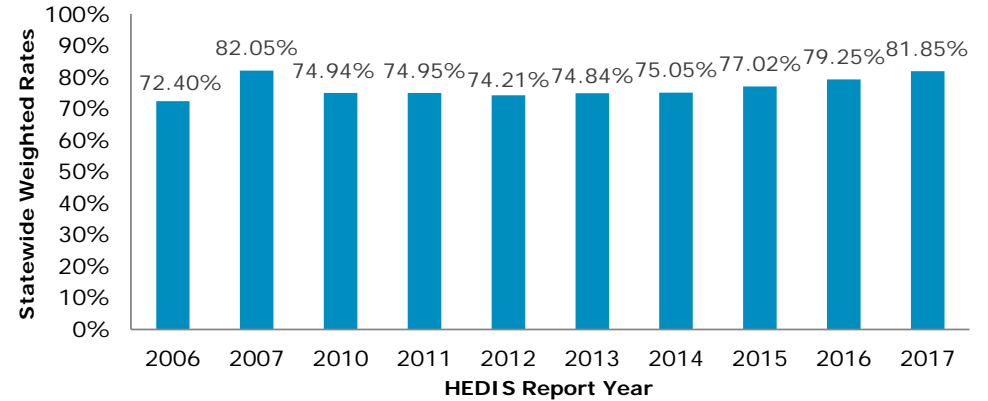
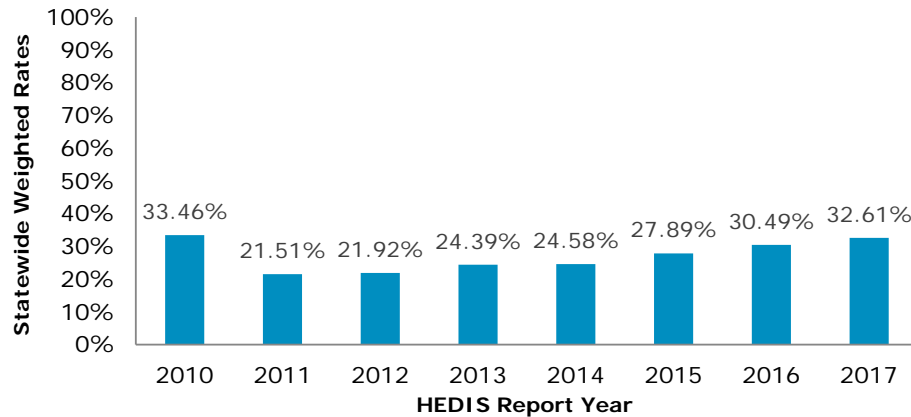
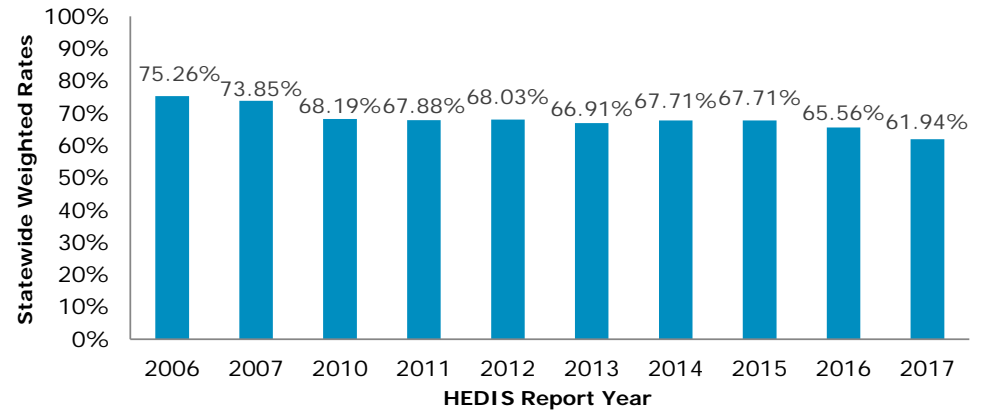


Fig. 97. Avoidance of Antibiotic Treatment in Adults With Acute Bronchitis (AAB)



Footnote: The measure rate was inverted in 2008 (2008 and 2009 data are not reported in these graphs); as such, no comparative data are available from previous years.

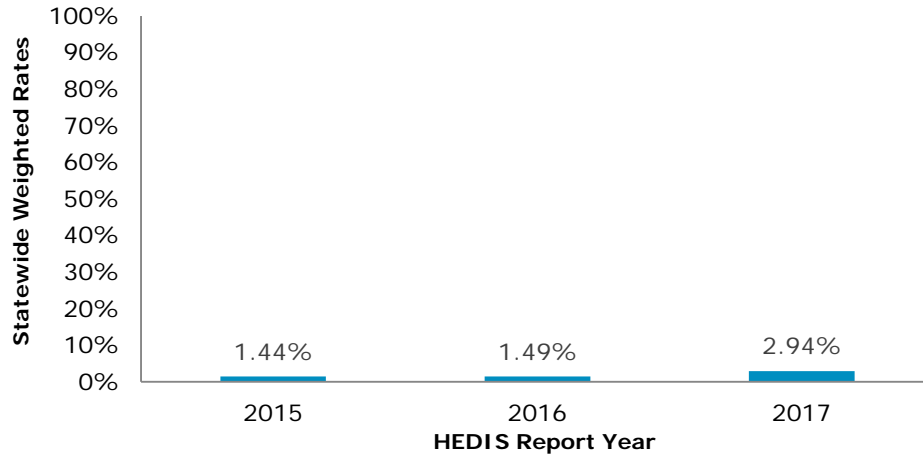
Fig. 98. Use of Imaging Studies for Low Back Pain (LBP)



Footnote: Because United American Healthcare Corporation did not report this measure in 2007, it was excluded from the statewide weighted average calculation for that report year. In 2016, the conversion to ICD-10 codes affected how low back pain, recent trauma and intravenous drug abuse are identified in the event/diagnosis. Trending between 2016 and prior years should be considered with caution.

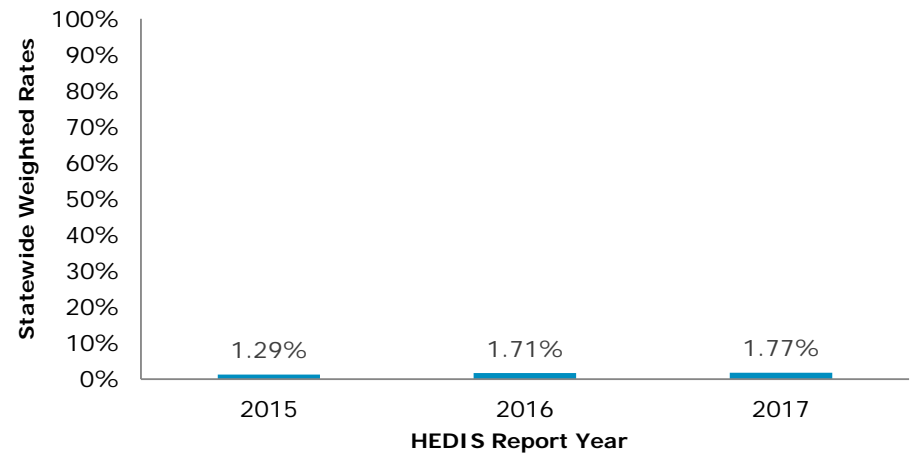
Medicaid HEDIS Trending—Effectiveness of Care Measures: Overuse/Appropriateness

Fig. 99. Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC): 1-5 Years*



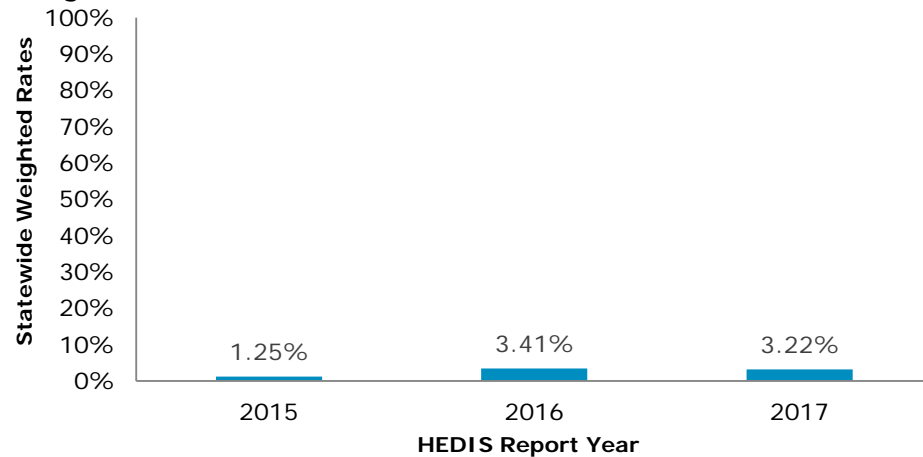
*Lower rates for this measure indicate better performance.
Footnote: Data reporting began in 2014.

Fig. 100. APC: 6-11 Years*



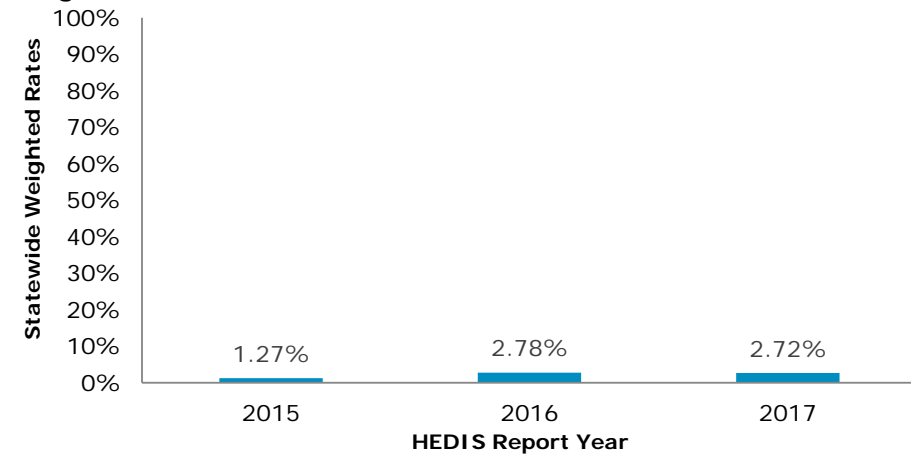
*Lower rates for this measure indicate better performance.
Footnote: Data reporting began in 2014.

Fig. 101. APC: 12-17 Years*



*Lower rates for this measure indicate better performance.
Footnote: Data reporting began in 2014.

Fig. 102. APC: Total*



*Lower rates for this measure indicate better performance.
Footnote: Data reporting began in 2014.

Access/Availability of Care Measures

Fig. 103. Adults' Access to Preventive/Ambulatory Health Services (AAP): 20–44 years

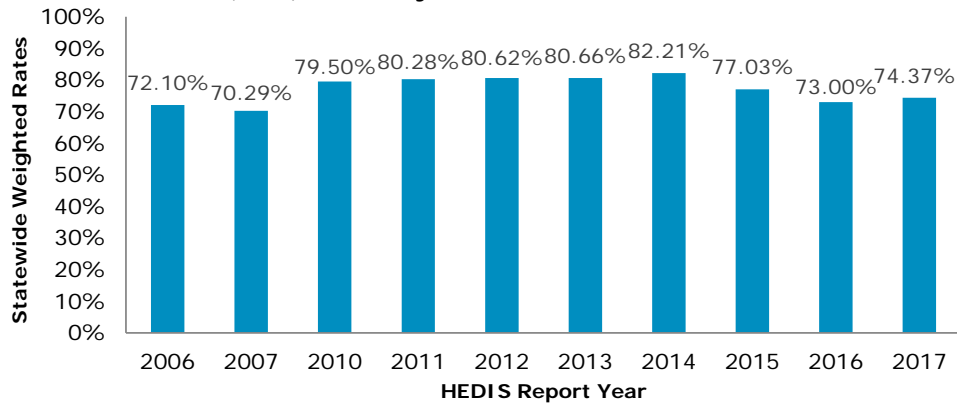


Fig. 104. AAP: 45–64 years

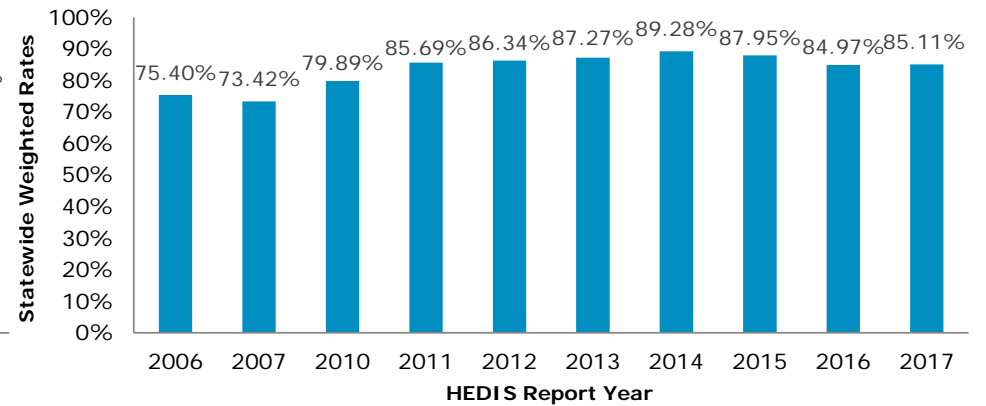


Fig. 105. Children and Adolescents' Access to Primary Care Practitioners (CAP): 12–24 months

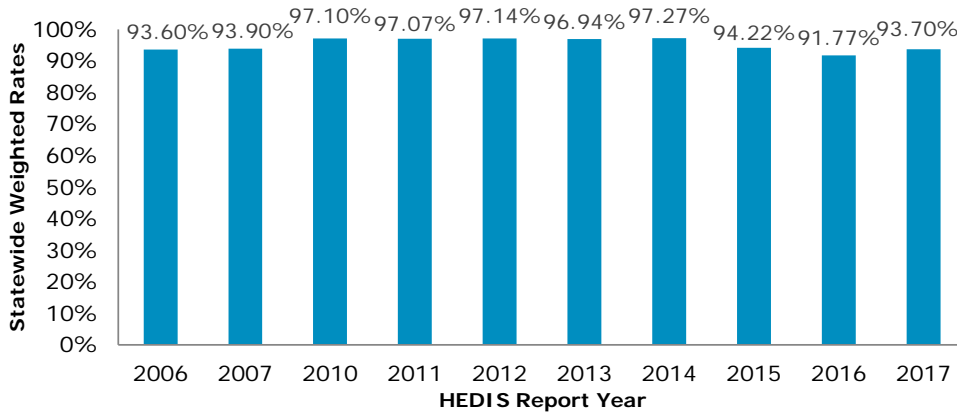
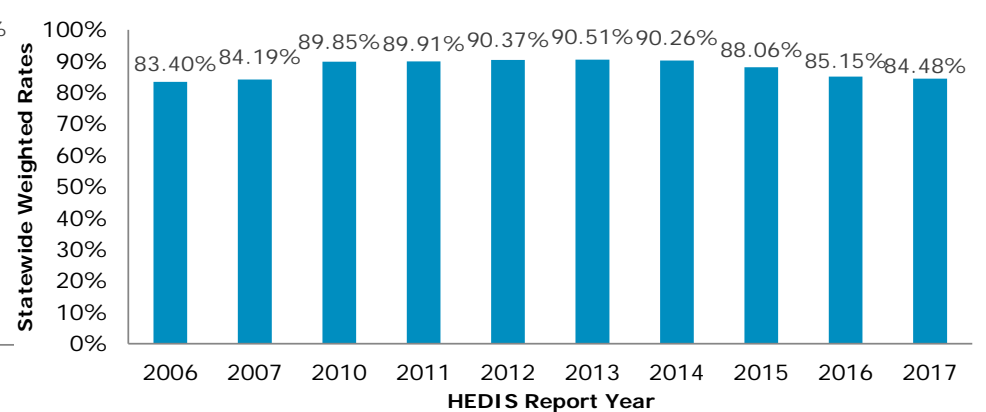
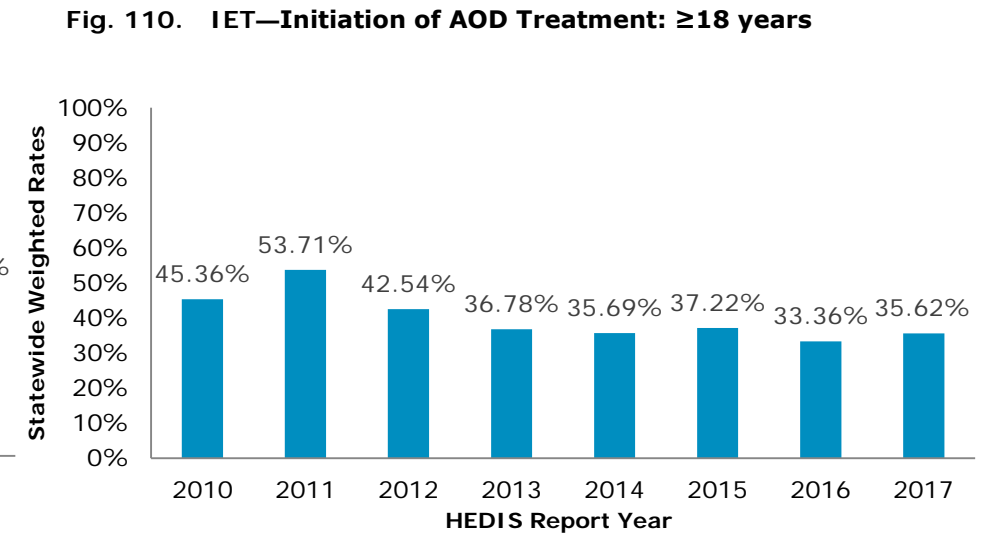
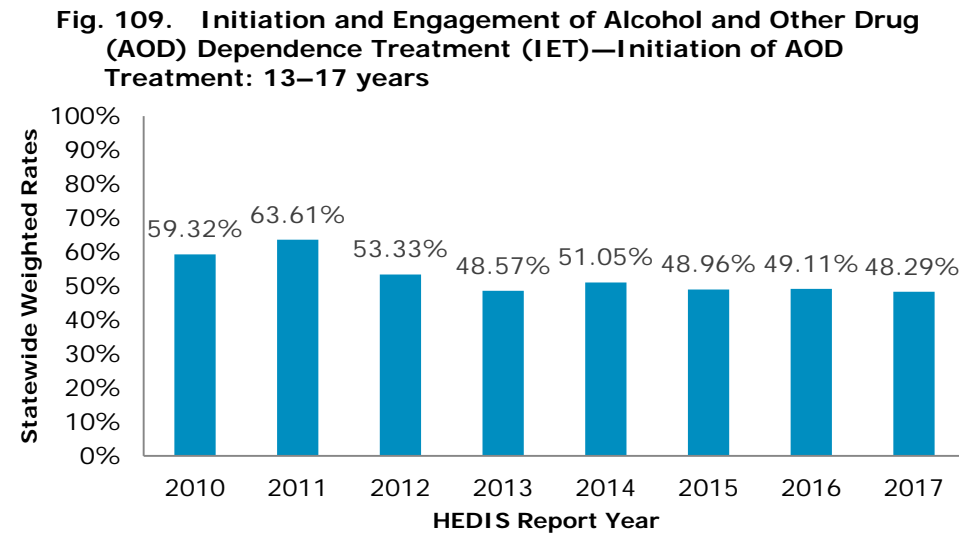
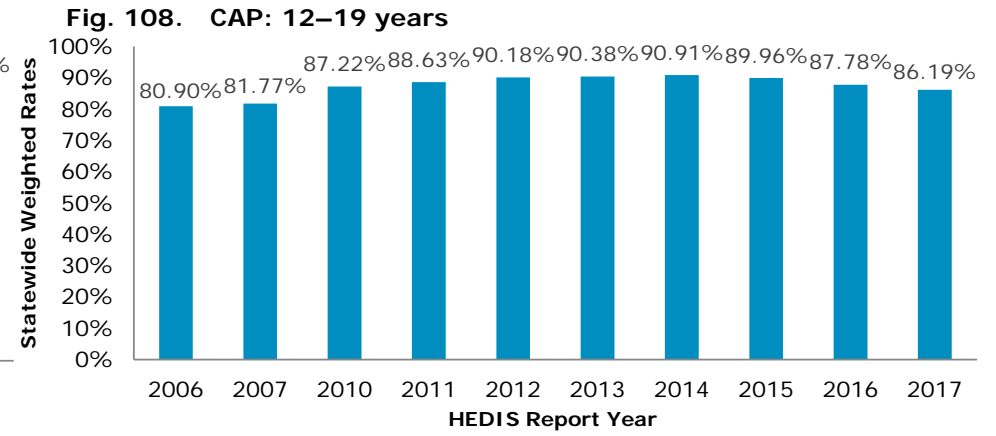
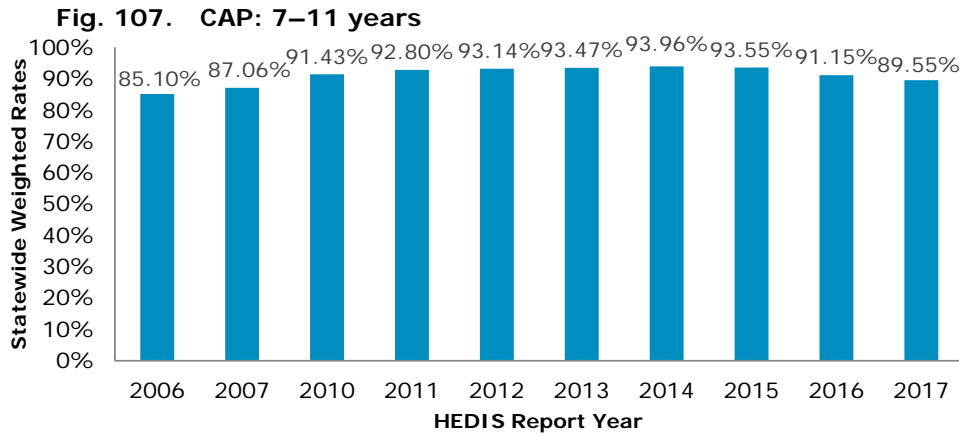


Fig. 106. CAP: 25 months–6 years



Medicaid HEDIS Trending—Access/Availability of Care Measures

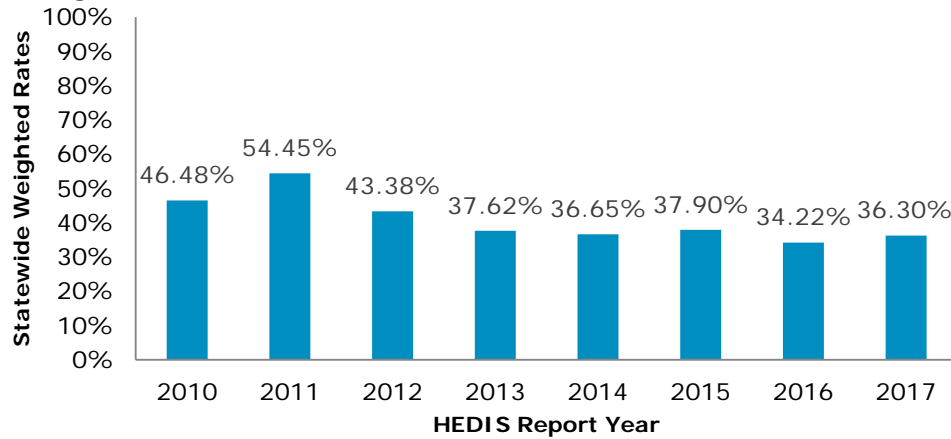


Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

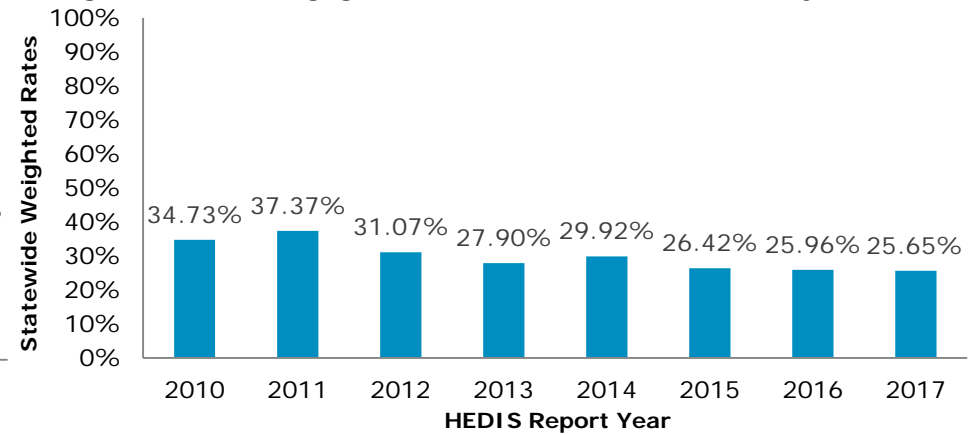
Medicaid HEDIS Trending—Access/Availability of Care Measures

Fig. 111. IET—Initiation of AOD Treatment: Total



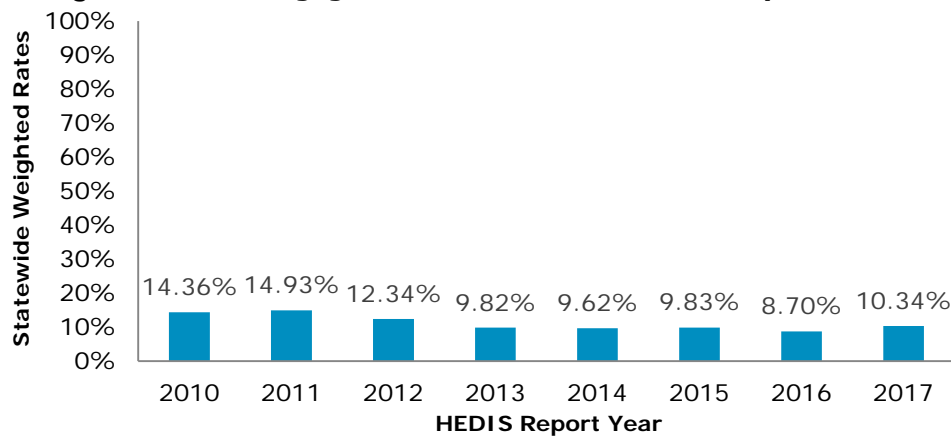
Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Fig. 112. IET—Engagement of AOD Treatment: 13–17 years



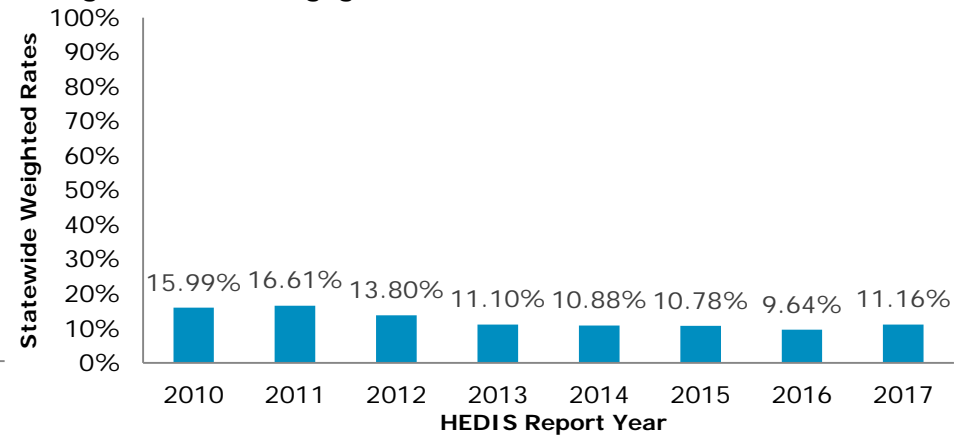
Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Fig. 113. IET—Engagement of AOD Treatment: ≥18 years



Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Fig. 114. IET—Engagement of AOD Treatment: Total



Footnote: Behavioral Health was carved out prior to HEDIS 2009; as such, no comparative data are available from previous years.

Fig. 115. Prenatal and Postpartum Care (PPC): Timeliness of Prenatal Care

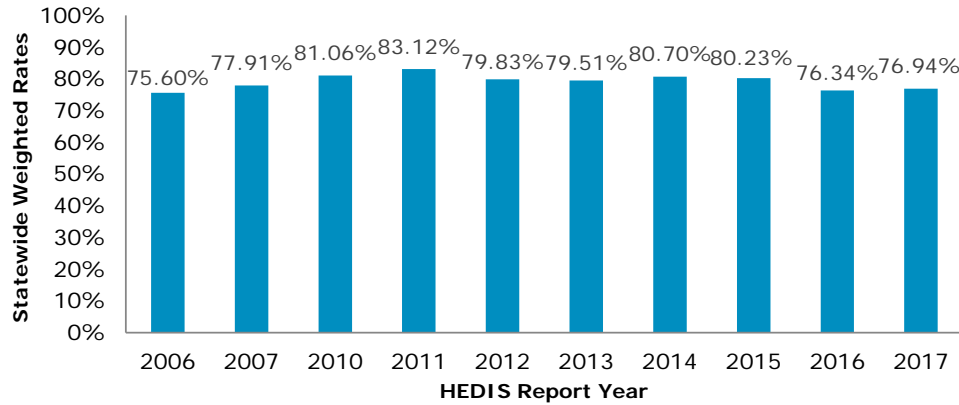


Fig. 116. PPC: Postpartum Care

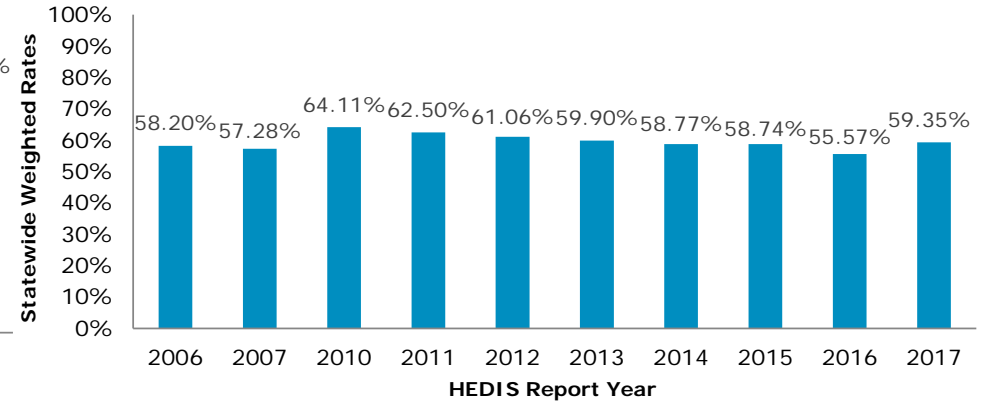


Fig. 117. Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP): 1-5 Years

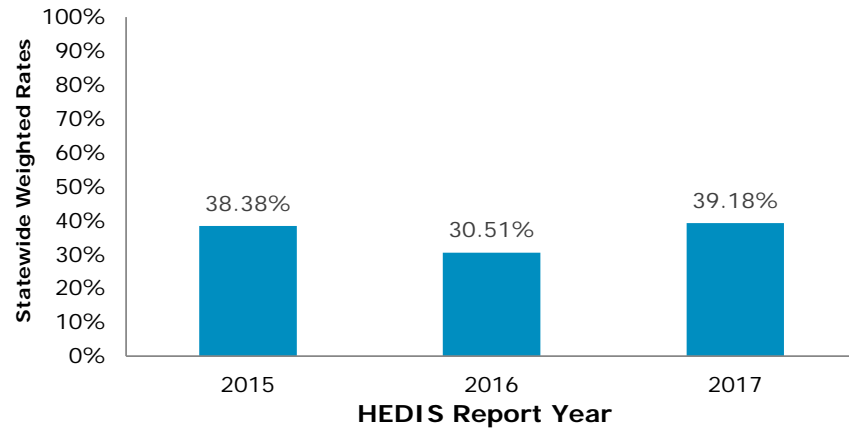


Fig. 118. APP: 6-11 Years

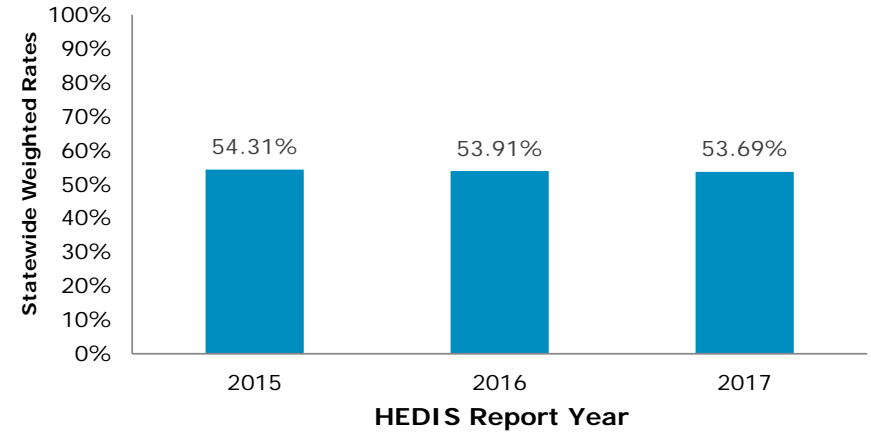


Fig. 119. APP: 12-17 Years

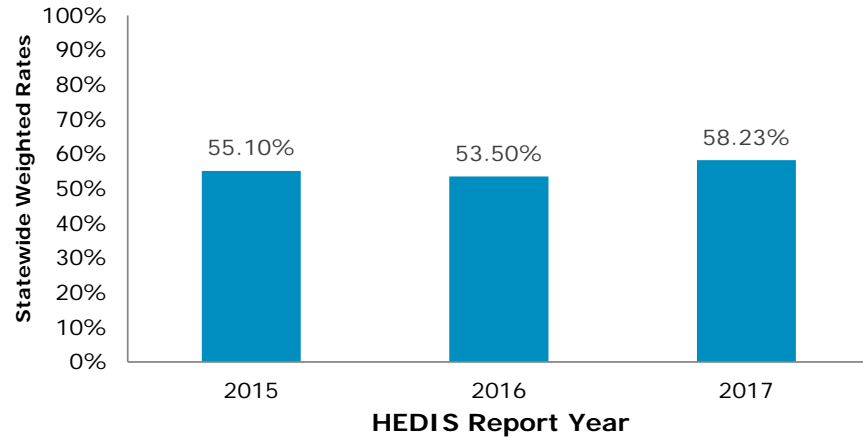
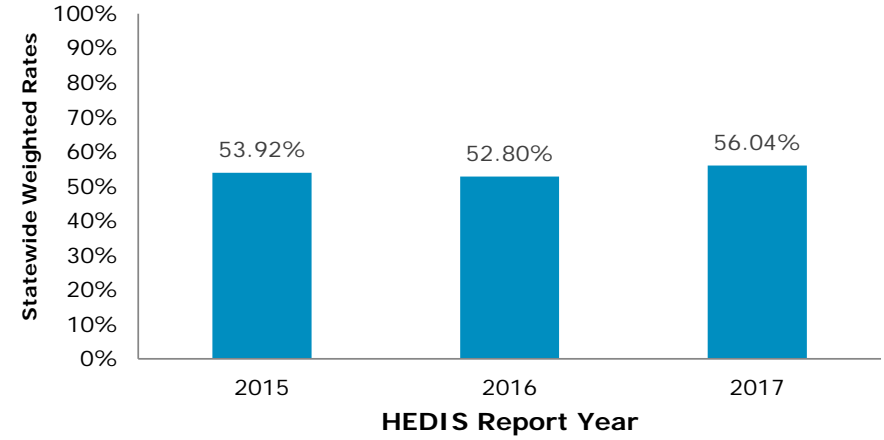


Fig. 120. APP: Total



Utilization Measures

Fig. 121. Frequency of Ongoing Prenatal Care (FPC): ≥ 81%

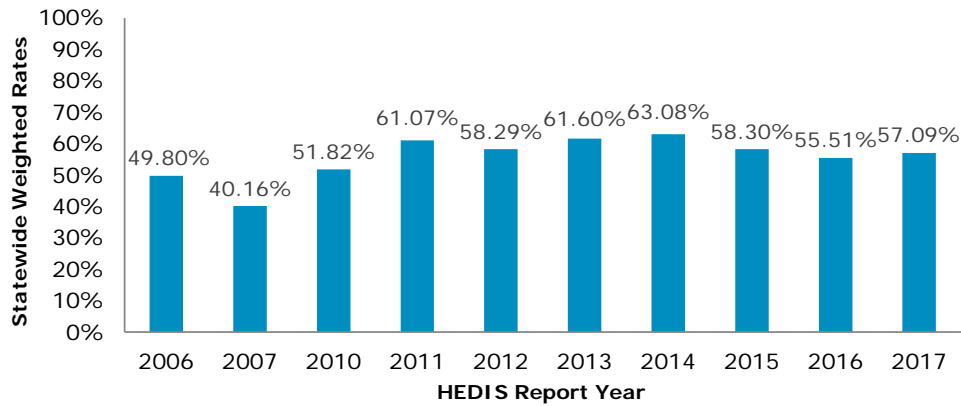
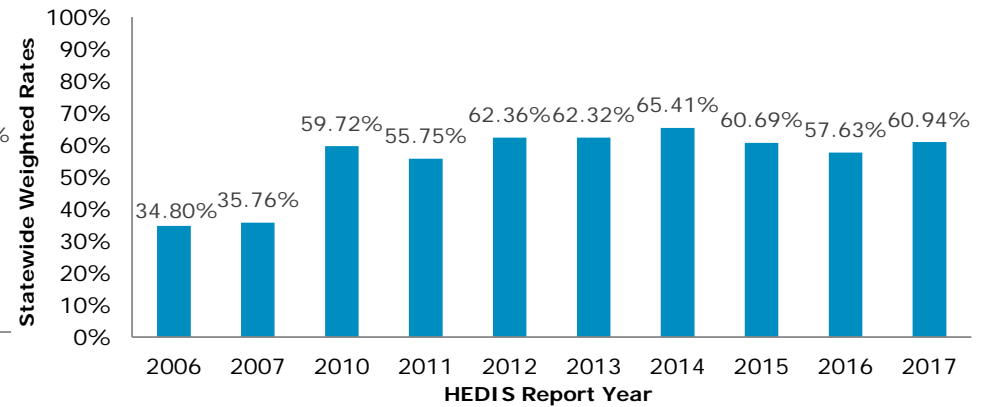


Fig. 122. Well-Child Visits in the First 15 Months of Life (W15): 6 or More Visits



Footnote: In 2015, due to notable changes in the measure specification, trending between prior years' should be considered with caution.

Fig. 123. Well-Child Visits in the Third, Fourth, Fifth and Sixth Years of Life (W34)

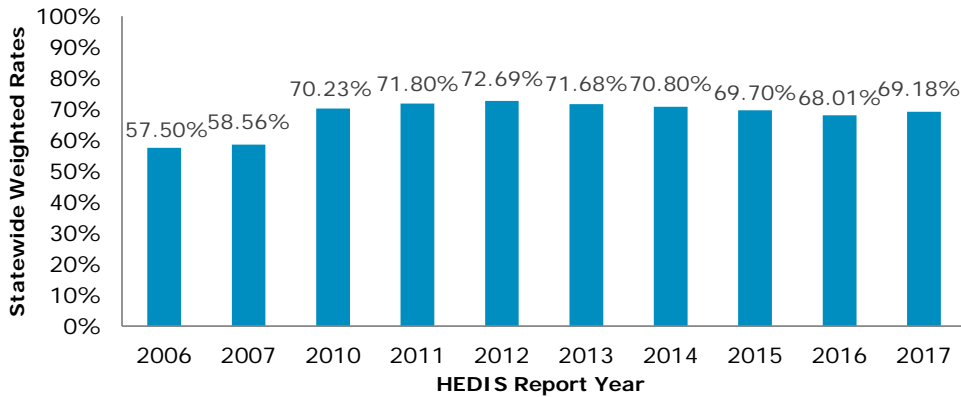
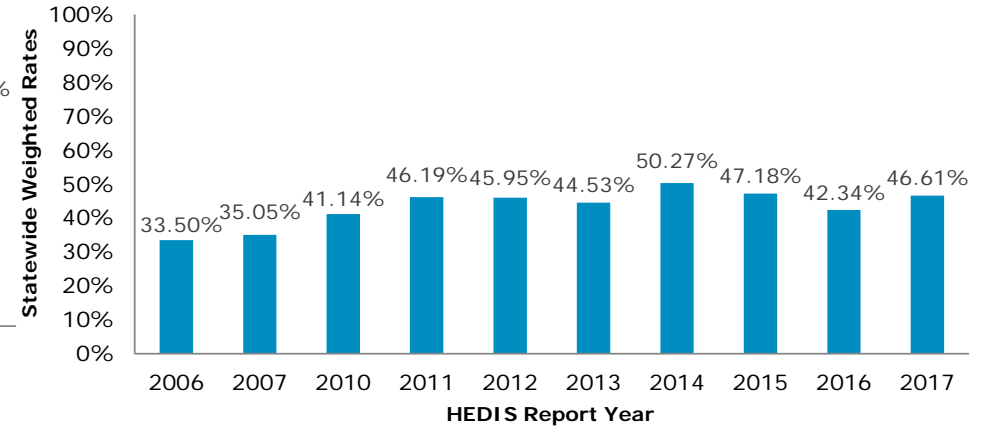


Fig. 124. Adolescent Well-Care Visits (AWC)



CHIP HEDIS/CAHPS Results

At HCFA's request, HEDIS measure and CAHPS results for CoverKids, Tennessee's CHIP, were added to this annual HEDIS/CAHPS report in 2017. [HEDIS definitions](#) for measures apply to all lines of business. For CoverKids, **BlueCare (CKBC)** is the only health plan administrator (HPA) and the only plan reporting HEDIS/CAHPS measures, so no comparative statewide data are available.

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Effectiveness of Care Measures	
Prevention and Screening	
Adult BMI Assessment (ABA)	NA
Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents (WCC):	
BMI Percentile	63.26%
Counseling for Nutrition	50.36%
Counseling for Physical Activity	47.93%
Childhood Immunization Status (CIS):	
DTaP	81.51%
IPV	88.32%
MMR	88.08%
HIB	88.56%
Hepatitis B	84.67%
VZV	89.78%
Pneumococcal Conjugate	82.73%
Hepatitis A	86.62%
Rotavirus	75.91%
Influenza	54.26%
Combination #2	75.67%
Combination #3	74.21%
Combination #4	73.24%
Combination #5	65.45%

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Combination #6	49.15%
Combination #7	64.72%
Combination #8	48.66%
Combination #9	45.01%
Combination #10	44.53%
Immunizations for Adolescents (IMA):	
Meningococcal	66.18%
Tdap	82.24%
HPV	10.95%
Combination #1	65.94%
Combination #2	9.73%
Lead Screening in Children (LSC)	64.48%
Breast Cancer Screening (BCS)	NA
Cervical Cancer Screening (CCS)	75.32%
Chlamydia Screening in Women (CHL):	
16-20 Years	30.80%
21-24 Years	80.56%
Total	31.46%
Respiratory Conditions	
Appropriate Testing for Children with Pharyngitis (CWP)	88.68%
Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)	NA

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Pharmacotherapy Management of COPD Exacerbation (PCE):	
Systemic Corticosteroid	NA
Bronchodilator	NA
Medication Management for People With Asthma (MMA):	
Medication Compliance 50%: 5-11 Years	59.92%
12-18 Years	57.41%
19-50 Years	NA
51-64 Years	NA
Total	58.87%
Medication Compliance 75%: 5-11 Years	33.40%
12-18 Years	29.11%
19-50 Years	NA
51-64 Years	NA
Total	31.57%
Asthma Medication Ratio (AMR):	
5-11 Years	79.48%
12-18 Years	78.77%
19-50 Years	NA
51-64 Years	NA
Total	79.23%
Cardiovascular Conditions	
Controlling High Blood Pressure (CBP)	NA
Persistence of Beta-Blocker Treatment After a Heart Attack (PBH)	NA
Statin Therapy for Patients With Cardiovascular Disease (SPC):	
Received Statin Therapy: 21-75 Years (Male)	NA
40-75 Years (Female)	NA
Total	NA

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Statin Adherence 80%: 21-75 Years (Male)	NA
40-75 Years (Female)	NA
Total	NA
Diabetes	
Comprehensive Diabetes Care (CDC):	
Hemoglobin A1c (HbA1c) Testing	84.85%
HbA1c Control (<8.0%)	33.33%
HbA1c Control (<7.0%)	24.24%
Eye Exam (Retinal) Performed	42.42%
Medical Attention for Nephropathy	69.70%
Blood Pressure Control (<140/90 mm Hg)	63.64%
Statin Therapy for Patients With Diabetes (SPD):	
Received Statin Therapy	NA
Statin Adherence 80%	NA
Musculoskeletal Conditions	
Disease-Modifying Anti-Rheumatic Drug Therapy in Rheumatoid Arthritis (ART)	NA
Behavioral Health	
Antidepressant Medication Management (AMM):	
Effective Acute Phase Treatment	54.02%
Effective Continuation Phase Treatment	29.89%
Follow-Up Care for Children Prescribed ADHD Medication (ADD):	
Initiation Phase	40.89%
Continuation and Maintenance (C&M) Phase	51.53%
Follow-Up After Hospitalization for Mental Illness (FUH):	
7-Day Follow-Up	58.96%
30-Day Follow-Up	78.73%

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Follow-Up After Emergency Department Visit for Mental Illness (FUM):	
7-Day Follow-Up	35.88%
30-Day Follow-Up	61.07%
Follow-Up After Emergency Department Visit for Alcohol and Other Drug Dependence (FUA):	
7-Day Follow-Up: 13-17 Years	11.43%
18+ Years	NA
Total	11.11%
30-Day Follow-Up: 13-17 Years	17.14%
18+ Years	NA
Total	15.56%
Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medication (SSD)	62.50%
Diabetes Monitoring for People With Diabetes and Schizophrenia (SMD)	NA
Cardiovascular Monitoring for People With Cardiovascular Disease and Schizophrenia (SMC)	NA
Adherence to Antipsychotic Medications for Individuals With Schizophrenia (SAA)	NA
Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM):	
1-5 Years	NA
6-11 Years	29.41%
12-17 Years	31.16%
Total	30.74%
Medication Management	
Annual Monitoring for Patients on Persistent Medications (MPM):	
ACE Inhibitors or ARBs	NA

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Digoxin	NA
Diuretics	NA
Total	NA
Overuse/Appropriateness	
Appropriate Treatment for Children With URI (URI)	79.75%
Avoidance of Antibiotic Treatment in Adults with Acute Bronchitis (AAB)	NA
Use of Imaging Studies for Low Back Pain (LBP)	60.32%
Access/Availability of Care	
Adults' Access to Preventive/Ambulatory Health Services (AAP):	
20-44 Years	77.44%
45-64 Years	NA
65+ Years	NA
Total	77.04%
Children and Adolescents' Access to Primary Care Practitioners (CAP):	
12-24 Months	94.89%
25 Months - 6 Years	85.97%
7-11 Years	89.56%
12-19 Years	85.75%
Initiation and Engagement of AOD Dependence Treatment (IET):	
Initiation of AOD Treatment: 13-17 Years	43.95%
18+ Years	50.00%
Total	46.27%
Engagement of AOD Treatment: 13-17 Years	22.93%
18+ Years	19.39%
Total	21.57%

Table 12. HEDIS 2017 CHIP Rates	
Measure	Rate
Prenatal and Postpartum Care (PPC):	
Timeliness of Prenatal Care	69.27%
Postpartum Care	64.88%
Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP)	
1-5 Years	NA
6-11 Years	NA
12-17 Years	57.50%
Total	55.14%
Utilization	
Frequency of Ongoing Prenatal Care (FPC):	
81+ Percent	59.76%
Well-Child Visits in the First 15 Months of Life (W15):	
6+ Visits	75.22%
Well-Child Visits in the Third, Fourth, Fifth and Sixth Years of Life (w34)	66.58%
Adolescent Well-Care Visits (AWC)	38.93%

Table 13. HEDIS 2017 CHIP Rates Where Lower Rates Indicate Better Performance	
Measure	Rate
Effectiveness of Care Measures	
Diabetes	
Comprehensive Diabetes Care (CDC):	
HbA1c Poor Control (>9.0%)	60.61%
Overuse/Appropriateness	
Non-Recommended Cervical Cancer Screening in Adolescent	1.43%
Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC):	
1-5 Years	NA
6-11 Years	1.64%
12-17 Years	0.00%
Total	0.44%

Table 14 and **Table 15** show the CAHPS results for the CoverKids HPA. [CAHPS definitions](#) for measures apply to all lines of business.

Table 14. 2017 CAHPS 5.0H Child CHIP Survey Results (General Population)	
Question	CKBC
1. Getting Needed Care (Always + Usually)	93.05%
2. Getting Care Quickly (Always + Usually)	95.96%
3. How Well Doctors Communicate (Always + Usually)	95.98%
4. Customer Service (Always + Usually)	94.95%
5. Shared Decision Making (Yes)	81.97%
6. Rating of All Health Care (9+10)	75.75%
7. Rating of Personal Doctor (9+10)	78.89%
8. Rating of Specialist Seen Most Often (9+10)	NA
9. Rating of Health Plan (9+10)	80.77%

Table 15. 2017 CAHPS 5.0H Child CHIP Survey Results (Children with Chronic Conditions)	
Question	CKBC
1. Getting Needed Care (Always + Usually)	91.05%
2. Getting Care Quickly (Always + Usually)	96.67%
3. How Well Doctors Communicate (Always + Usually)	96.83%
4. Customer Service (Always + Usually)	94.36%
5. Shared Decision Making (Yes)	83.05%
6. Rating of All Health Care (9+10)	72.49%
7. Rating of Personal Doctor (9+10)	77.30%
8. Rating of Specialist Seen Most Often (9+10)	68.42%
9. Rating of Health Plan (9+10)	77.33%
10. Coordination of Care (Always + Usually)	81.82%
11. Access to Specialized Services (Always + Usually)	NA
12. Family-Centered Care: Personal Doctor Who Knows Child (Yes)	93.00%
13. Coordination of Care for Children With Chronic Conditions (Yes)	75.78%
14. Family-Centered Care: Getting Needed Information (Always + Usually)	95.27%
15. Access to Prescription Medicines (Always + Usually)	97.38%

APPENDIX A | Utilization Measure Medicaid Results and Benchmarks

Utilization Additional Measure Descriptions

Frequency of Selected Procedure (FSP)

FSP summarizes the utilization of frequently performed procedures that often show wide regional variation and have generated concern regarding potentially inappropriate utilization.

Ambulatory Care (AMB)

AMB summarizes utilization of ambulatory care in the following categories:

- ◆ Outpatient Visits
- ◆ ED Visits

Inpatient Utilization – General Hospital/Acute Care (IPU)

IPU summarizes utilization of acute IP care and services in the following categories:

- ◆ Total IP
- ◆ Medicine
- ◆ Surgery
- ◆ Maternity

Identification of Alcohol and Other Drug Services (IAD)

IAD summarizes the number and percentage of members with an AOD claim who received the following chemical dependency services during the measurement year:

- ◆ Any services
- ◆ IP
- ◆ Outpatient or ED
- ◆ Intensive outpatient or partial hospitalization

Mental Health Utilization (MPT)

MPT summarizes the number and percentage of members receiving the following mental health services during the measurement year:

- ◆ Any services
- ◆ IP
- ◆ Outpatient or ED
- ◆ Intensive outpatient or partial hospitalization

Antibiotic Utilization (ABX)

ABX summarizes the following data on outpatient utilization of antibiotic prescriptions during the MY, stratified by age and gender:

- ◆ Total number of and average (Avg.) number of antibiotic prescription per member per year (PMPY)
- ◆ Total and avg. days supplied for all antibiotic prescriptions

- ◆ Total number of prescriptions and avg. number of prescriptions PMPY for antibiotic of concern
- ◆ Percentage of antibiotic of concern for all antibiotic prescriptions
- ◆ Avg. number of antibiotics PMPY reported by drug class:
 - For selected 'antibiotics of concern'
 - For all other antibiotics

Standardized Healthcare-Associated Infection Ratio (HAI)

HAI reports the percentages of total discharges summarizes the hospital-reported standard infection ratios (SIR) for four different healthcare-associated infections (HAIs), adjusted for the proportion of members discharged from each MCO's contracted acute care hospital. The measure reports the percentage of total discharges from hospitals with a high,

moderate, low or unavailable SIR, next to a total plan-weighted SIR for each of the following infections during the MY, stratified by age and gender:

- ◆ Total number of and avg. number of antibiotic PMPY
- ◆ Total and avg. days supplied for all antibiotic prescriptions
- ◆ Total number of prescriptions and avg. number of prescriptions PMPY for antibiotic of concern
- ◆ Percentage of antibiotic of concern for all antibiotic prescriptions
- ◆ Avg. number of antibiotics PMPY reported by drug class:
 - For selected 'antibiotics of concern'
 - For all other antibiotics

Utilization Measures: Medicaid Plan-Specific Rates/National Benchmarks

In Table A, cells are shaded gray for those measures that were not calculated or for which data were not reported.

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures																		
Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles						
												Mean	P10	P25	P50	P75	P90	
Frequency of Ongoing Prenatal Care (FPC):																		
<21%	NA	8.39%	7.21%	11.83%	3.74%	11.19%	12.17%	9.55%	7.85%	13.14%	13.63%	11.96%	2.87%	4.87%	8.22%	14.69%	23.60%	
21–40%	NA	7.46%	6.74%	14.39%	2.59%	13.14%	10.46%	10.96%	5.32%	9.73%	10.71%	7.26%	2.33%	3.95%	5.82%	9.02%	13.93%	
41–60%	NA	8.39%	8.84%	11.83%	4.60%	12.41%	9.98%	13.48%	4.81%	13.14%	14.60%	8.59%	4.65%	6.03%	7.92%	10.46%	12.99%	
61–80%	NA	16.08%	20.00%	17.17%	8.05%	15.09%	15.33%	17.70%	13.16%	15.57%	23.11%	15.23%	10.48%	12.58%	14.95%	17.95%	20.45%	
≥81%	NA	59.67%	57.21%	44.78%	81.03%	48.18%	52.07%	48.31%	68.86%	48.42%	37.96%	56.61%	32.79%	45.72%	59.26%	69.54%	75.77%	
Well-Child Visits in the First 15 Months of Life (W15):																		
0 Visits	NA	2.31%	2.31%	5.32%	1.44%	0.49%	2.92%	11.92%	3.16%	2.74%	4.14%	2.62%	0.44%	0.93%	1.71%	3.24%	5.77%	
1 Visits	NA	3.24%	1.85%	4.86%	1.15%	2.19%	5.11%	4.14%	1.58%	2.24%	5.35%	2.30%	0.70%	1.26%	1.95%	2.92%	4.12%	
2 Visits	NA	4.86%	2.78%	7.18%	1.15%	4.14%	5.60%	3.65%	3.16%	2.74%	6.08%	3.45%	1.23%	2.06%	3.19%	4.62%	5.84%	
3 Visits	NA	6.48%	3.70%	12.96%	4.02%	4.38%	6.57%	7.79%	3.95%	3.49%	10.46%	5.54%	2.66%	3.72%	5.42%	6.98%	8.57%	
4 Visits	NA	9.26%	6.71%	12.73%	6.32%	10.22%	9.98%	13.38%	9.74%	7.23%	11.19%	9.64%	6.01%	7.54%	9.16%	11.30%	13.40%	
5 Visits	NA	13.89%	9.26%	16.90%	15.52%	15.09%	14.11%	17.76%	11.58%	19.45%	17.27%	17.11%	12.02%	14.29%	16.49%	19.23%	23.72%	
6 or More Visits	NA	59.95%	73.38%	40.05%	70.40%	63.50%	55.72%	41.36%	66.84%	62.09%	45.50%	59.35%	45.38%	53.49%	59.57%	67.76%	73.88%	
Frequency of Selected Procedures (FSP)																		
Bariatric weight loss surgery: Procedures /1,000 Member Years																		
0–19	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20–44		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.03
45–64		0.00	0.04	0.00	0.01	0.02	0.00	0.00	0.00	0.01	0.03	0.00	0.01	0.00	0.00	0.01	0.02	0.04
0–19	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20–44		0.01	0.02	0.01	0.04	0.02	0.00	0.00	0.04	0.03	0.02	0.06	0.00	0.01	0.05	0.09	0.13	
45–64		0.01	0.04	0.03	0.03	0.06	0.01	0.00	0.05	0.05	0.01	0.08	0.00	0.01	0.05	0.10	0.16	
Tonsillectomy: Procedures /1,000 Member Years																		
0–9	M&F	0.95	0.80	0.49	1.19	0.78	0.58	0.96	1.22	0.81	0.56	0.62	0.24	0.45	0.62	0.80	0.95	
10–19		0.47	0.32	0.29	0.51	0.37	0.28	0.31	0.51	0.40	0.27	0.28	0.07	0.19	0.27	0.36	0.45	
Hysterectomy—Abdominal (A) and Vaginal (V): Procedures /1,000 Member Years																		
A 15–44	F	0.08	0.12	0.08	0.11	0.14	0.15	0.01	0.10	0.14	0.14	0.13	0.05	0.09	0.13	0.17	0.21	
A 45–64		0.20	0.18	0.31	0.11	0.22	0.31	0.00	0.12	0.15	0.37	0.31	0.11	0.20	0.27	0.34	0.48	

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
V 15-44	F	0.21	0.19	0.07	0.25	0.20	0.08	0.04	0.28	0.17	0.07	0.14	0.03	0.06	0.12	0.20	0.30
V 45-64		0.26	0.20	0.10	0.31	0.23	0.09	0.00	0.19	0.23	0.08	0.22	0.05	0.12	0.19	0.27	0.42
Cholecystectomy—Open (O) and Closed (C)/Laparoscopic: Procedures /1,000 Member Years																	
O 30-64	M	0.02	0.02	0.07	0.03	0.00	0.04	0.03	0.05	0.00	0.05	0.03	0.00	0.01	0.02	0.04	0.05
O 15-44	F	0.00	0.01	0.02	0.00	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.02
O 45-64		0.06	0.01	0.08	0.01	0.03	0.08	0.00	0.02	0.02	0.05	0.03	0.00	0.00	0.03	0.05	0.07
C 30-64	M	0.41	0.38	0.28	0.50	0.48	0.33	0.10	0.50	0.42	0.29	0.29	0.12	0.19	0.28	0.37	0.51
C 15-44	F	0.82	0.71	0.48	0.80	0.74	0.55	0.35	0.86	0.78	0.46	0.67	0.36	0.49	0.63	0.80	1.02
C 45-64		0.71	0.69	0.47	0.73	0.60	0.39	0.12	0.94	0.75	0.49	0.65	0.33	0.45	0.62	0.82	1.00
Back Surgery: Procedures /1,000 Member Years																	
20-44	M	0.24	0.26	0.17	0.36	0.22	0.21	0.01	0.24	0.23	0.23	0.27	0.04	0.12	0.24	0.34	0.49
	F	0.12	0.21	0.11	0.26	0.18	0.13	0.01	0.26	0.27	0.10	0.22	0.04	0.10	0.16	0.24	0.30
45-64	M	0.47	0.76	0.63	0.71	0.70	0.35	0.00	0.82	0.82	0.27	0.62	0.19	0.38	0.57	0.80	0.94
	F	0.32	0.85	0.24	0.75	0.87	0.29	0.12	0.92	0.95	0.59	0.53	0.08	0.31	0.49	0.67	0.85
Mastectomy: Procedures /1,000 Member Years																	
15-44	F	0.01	0.02	0.01	0.05	0.04	0.02	0.01	0.05	0.02	0.01	0.03	0.00	0.01	0.02	0.03	0.05
45-64		0.11	0.24	0.06	0.38	0.18	0.30	0.00	0.35	0.33	0.14	0.19	0.00	0.10	0.14	0.21	0.38
Lumpectomy: Procedures /1,000 Member Years																	
15-44	F	0.11	0.08	0.13	0.09	0.10	0.14	0.06	0.10	0.11	0.08	0.11	0.04	0.09	0.12	0.14	0.16
45-64		0.18	0.30	0.33	0.53	0.26	0.55	0.00	0.32	0.39	0.39	0.38	0.17	0.27	0.38	0.44	0.54
Ambulatory Care: Total (AMB)																	
Outpatient Visits: Visits/1,000 Member Months																	
<1	NA	765.43	743.34	579.83	848.64	759.45	682.04	889.58	764.61	745.96	610.34						
1-9	NA	249.72	285.18	215.93	341.65	285.37	275.46	348.28	291.35	310.56	257.02						
10-19	NA	197.71	219.21	175.52	278.44	227.33	224.25	243.89	247.52	242.38	205.54						
20-44	NA	230.70	306.83	242.25	342.65	311.39	332.39	96.57	329.34	346.19	301.98						
45-64	NA	464.24	624.28	453.55	681.36	626.52	631.68	175.29	674.42	716.85	587.29						
65-74	NA	412.09	660.38	378.81	85.50	121.37	159.80	296.30	738.47	680.08	591.74						
75-84	NA	308.67	596.08	399.71	25.00	166.23	62.24	583.33	557.38	365.19	379.63						
≥85	NA	266.67	504.95	359.79	21.98	139.72	71.43		260.05	179.54	139.23						
Total	NA	267.77	327.48	249.53	382.57	325.11	325.38	259.20	366.15	363.78	305.87	357.17	258.19	303.40	350.23	389.30	450.33

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles						
												Mean	P10	P25	P50	P75	P90	
ED Visits: Visits/1,000 Member Months																		
<1	NA	114.37	82.06	117.41	109.35	94.16	118.77	97.82	116.92	84.28	117.68							
1-9	NA	63.72	41.67	43.06	61.71	49.18	56.13	50.15	57.41	44.43	51.52							
10-19	NA	55.81	40.25	37.59	60.21	42.86	42.96	50.06	54.13	45.26	39.87							
20-44	NA	118.91	89.35	103.49	110.00	112.18	92.97	33.51	110.65	103.42	94.75							
45-64	NA	96.22	83.19	89.04	97.97	96.34	86.12	20.92	103.57	105.19	93.16							
65-74	NA	40.61	52.29	56.17	9.21	13.46	16.83	40.74	77.28	70.80	72.79							
75-84	NA	33.41	57.46	58.57	2.81	11.04	1.57	0.00	58.96	46.51	38.05							
≥85	NA	23.19	34.94	35.27	3.30	4.62	1.88		28.13	25.11	29.72							
Total	NA	84.74	60.55	67.97	81.23	72.51	68.35	47.13	79.09	68.73	66.81	64.38	42.89	53.23	62.75	73.29	87.57	
Inpatient Utilization—General Hospital/Acute Care: Total (IPU)																		
Total Inpatient																		
Discharges: Discharges/1,000 Member Months																		
<1	NA	11.52	7.61	7.11	8.53	7.02	6.98	27.67	9.21	6.67	6.19							
1-9	NA	0.97	0.85	0.81	0.98	0.80	0.93	6.12	0.75	0.93	0.67							
10-19	NA	1.89	1.64	1.69	2.39	1.83	2.16	3.74	1.75	2.04	1.67							
20-44	NA	10.38	10.02	10.90	12.90	11.51	11.78	3.91	8.89	10.88	8.88							
45-64	NA	20.16	16.77	19.19	16.77	18.70	15.75	5.34	16.60	15.47	12.36							
65-74	NA	19.38	21.00	18.24	2.48	1.42	5.71	25.93	21.48	19.29	16.20							
75-84	NA	23.87	26.53	25.62	0.51	7.14	3.14	0.00	19.38	14.07	9.51							
≥85	NA	17.39	23.88	28.22	1.10	2.31	9.40		10.61	6.46	4.85							
Total	NA	6.65	5.64	6.21	6.89	6.12	6.01	4.95	6.27	5.94	4.83	8.59	5.14	5.83	6.81	8.51	13.78	
Days: Days/1,000 Member Months																		
<1	NA	112.89	59.90	55.89	53.57	36.01	48.00	255.99	106.61	52.92	80.43							
1-9	NA	3.48	3.57	3.26	2.89	2.47	3.25	34.18	2.64	3.01	2.71							
10-19	NA	6.90	5.61	6.38	7.05	5.61	7.10	19.38	6.18	7.03	6.83							
20-44	NA	40.35	34.81	39.26	42.59	37.01	39.01	18.11	32.99	39.65	37.23							
45-64	NA	111.51	94.19	119.50	86.64	93.50	88.19	34.68	93.43	84.16	81.66							
65-74	NA	122.75	120.31	91.01	12.97	4.49	37.21	140.74	123.85	111.65	126.76							
75-84	NA	134.45	174.41	187.41	1.53	46.10	30.86	0.00	115.41	82.27	63.97							
≥85	NA	104.35	157.83	153.44	2.20	18.48	69.55		53.73	31.05	32.41							
Total	NA	31.25	24.97	28.28	26.87	22.95	24.20	28.00	30.76	25.97	26.06	38.86	18.26	22.47	27.92	35.47	70.10	

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles						
												Mean	P10	P25	P50	P75	P90	
Average Length of Stay: Average # of Days																		
<1	NA	9.80	7.87	7.86	6.28	5.13	6.88	9.25	11.57	7.93	13.00							
1-9	NA	3.59	4.21	4.03	2.95	3.07	3.50	5.59	3.53	3.25	4.05							
10-19	NA	3.66	3.42	3.78	2.94	3.07	3.29	5.18	3.54	3.45	4.09							
20-44	NA	3.89	3.47	3.60	3.30	3.22	3.31	4.63	3.71	3.65	4.19							
45-64	NA	5.53	5.62	6.23	5.17	5.00	5.60	6.49	5.63	5.44	6.60							
65-74	NA	6.33	5.73	4.99	5.23	3.17	6.51	5.43	5.77	5.79	7.83							
75-84	NA	5.63	6.57	7.31	3.00	6.45	9.83		5.96	5.85	6.72							
≥85	NA	6.00	6.61	5.44	2.00	8.00	7.40		5.07	4.81	6.69							
Unknown	NA																	
Total	NA	4.70	4.42	4.55	3.90	3.75	4.03	5.65	4.91	4.37	5.40	4.18	3.29	3.67	4.10	4.55	5.28	
Medicine																		
Discharges: Discharges/1,000 Member Months																		
<1	NA	9.95	6.29	5.54	7.66	6.11	5.79	22.07	8.12	5.78	4.95							
1-9	NA	0.75	0.58	0.56	0.83	0.62	0.75	4.72	0.59	0.73	0.49							
10-19	NA	0.61	0.53	0.41	0.67	0.56	0.54	2.50	0.53	0.73	0.46							
20-44	NA	2.99	2.34	2.61	3.11	3.03	3.02	2.05	2.63	2.72	2.10							
45-64	NA	13.29	11.51	12.41	12.12	13.80	11.51	4.29	11.44	10.62	8.17							
65-74	NA	14.77	14.88	14.04	1.84	1.18	4.63	18.52	15.27	13.41	10.70							
75-84	NA	19.09	23.15	21.96	0.51	6.49	2.62	0.00	14.64	10.74	6.59							
≥85	NA	14.49	22.13	26.46	1.10	1.15	7.52		8.46	5.31	3.12							
Total	NA	3.05	2.47	2.48	2.97	2.68	2.53	3.48	3.29	2.67	2.04	4.45	1.66	2.27	3.05	4.26	8.62	
Days: Days/1,000 Member Months																		
<1	NA	91.59	36.08	26.37	46.56	25.77	26.08	148.95	91.51	43.50	38.22							
1-9	NA	2.09	1.49	1.72	2.21	1.65	2.29	20.70	1.86	2.35	1.82							
10-19	NA	2.11	1.69	1.32	2.27	1.79	2.05	12.88	2.13	2.52	2.06							
20-44	NA	11.07	8.80	9.82	13.33	11.96	12.62	9.45	11.63	11.27	11.33							
45-64	NA	55.91	52.04	51.77	57.54	62.23	56.65	21.20	59.11	53.73	48.22							
65-74	NA	70.60	79.72	58.73	8.89	3.54	27.79	103.70	77.93	69.89	69.54							
75-84	NA	97.85	126.75	153.73	1.53	40.91	27.72	0.00	72.41	57.32	38.88							
≥85	NA	85.51	146.19	137.57	2.20	4.62	58.27		42.51	26.05	17.34							
Total	NA	13.52	10.64	9.93	13.37	10.95	11.13	17.12	17.20	12.72	11.66	18.47	5.19	8.35	12.05	16.86	37.45	

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles						
												Mean	P10	P25	P50	P75	P90	
Average Length of Stay: Average # of Days																		
<1	NA	9.20	5.74	4.76	6.08	4.22	4.50	6.75	11.27	7.52	7.72							
1-9	NA	2.78	2.58	3.07	2.67	2.64	3.05	4.39	3.15	3.24	3.70							
10-19	NA	3.44	3.20	3.24	3.37	3.17	3.82	5.16	3.99	3.46	4.53							
20-44	NA	3.70	3.75	3.77	4.29	3.95	4.18	4.62	4.42	4.15	5.38							
45-64	NA	4.21	4.52	4.17	4.75	4.51	4.92	4.94	5.17	5.06	5.90							
65-74	NA	4.78	5.36	4.18	4.83	3.00	6.00	5.60	5.10	5.21	6.50							
75-84	NA	5.13	5.47	7.00	3.00	6.30	10.60		4.95	5.34	5.90							
≥85	NA	5.90	6.61	5.20	2.00	4.00	7.75		5.03	4.90	5.55							
Unknown	NA																	
Total	NA	4.43	4.30	4.00	4.50	4.09	4.41	4.91	5.22	4.76	5.70	3.94	3.32	3.57	3.89	4.26	4.62	
Surgery																		
Discharges: Discharges/1,000 Member Months																		
<1	NA	1.56	1.33	1.57	0.86	0.83	1.17	5.60	1.05	0.86	1.24							
1-9	NA	0.22	0.27	0.25	0.15	0.18	0.18	1.40	0.16	0.20	0.18							
10-19	NA	0.32	0.30	0.30	0.29	0.28	0.30	0.72	0.29	0.25	0.23							
20-44	NA	1.90	1.35	1.45	1.34	1.14	1.19	0.50	1.44	1.16	1.16							
45-64	NA	6.85	5.19	6.72	4.64	4.87	4.21	1.05	5.15	4.81	4.16							
65-74	NA	4.61	6.12	4.19	0.64	0.24	1.08	7.41	6.21	5.88	5.50							
75-84	NA	4.77	3.38	3.66	0.00	0.65	0.52	0.00	4.74	3.33	2.92							
≥85	NA	2.90	1.75	1.76	0.00	1.15	1.88		2.15	1.15	1.72							
Total	NA	1.52	1.13	1.28	1.05	0.92	0.91	0.99	1.42	1.04	1.00	1.86	0.77	1.08	1.43	1.90	3.02	
Days: Days/1,000 Member Months																		
<1	NA	21.30	23.82	29.52	6.87	10.11	21.88	107.04	14.95	9.36	42.20							
1-9	NA	1.38	2.08	1.54	0.66	0.82	0.96	13.47	0.78	0.66	0.89							
10-19	NA	2.12	1.64	2.37	1.10	1.13	1.53	5.06	1.42	1.13	1.58							
20-44	NA	14.92	8.86	11.35	7.59	6.00	7.19	4.74	7.55	6.00	7.94							
45-64	NA	55.51	41.99	67.23	29.06	31.18	31.48	13.49	34.27	30.33	33.33							
65-74	NA	52.15	40.59	32.28	4.08	0.94	9.42	37.04	45.92	41.75	57.22							
75-84	NA	36.60	47.66	33.67	0.00	5.19	3.14	0.00	43.00	24.95	25.09							
≥85	NA	18.84	11.65	15.87	0.00	13.86	11.28		11.22	5.00	15.07							
Total	NA	12.24	8.78	11.84	6.13	5.43	6.50	9.51	9.11	6.14	8.68	14.21	4.72	6.65	9.30	13.07	25.02	

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Average Length of Stay: Average # of Days																	
<1	NA	13.62	17.95	18.79	8.00	12.13	18.74	19.12	14.18	10.87	34.11						
1-9	NA	6.43	7.74	6.18	4.45	4.57	5.41	9.65	4.94	3.30	5.06						
10-19	NA	6.69	5.38	7.83	3.86	4.08	5.11	7.02	4.94	4.56	6.79						
20-44	NA	7.85	6.57	7.83	5.65	5.28	6.03	9.40	5.25	5.19	6.87						
45-64	NA	8.10	8.08	10.00	6.27	6.40	7.47	12.89	6.65	6.30	8.02						
65-74	NA	11.30	6.63	7.70	6.38	4.00	8.71	5.00	7.39	7.10	10.41						
75-84	NA	7.67	14.10	9.20		8.00	6.00		9.07	7.50	8.59						
≥85	NA	6.50	6.67	9.00		12.00	6.00		5.21	4.36	8.75						
Total	NA	8.06	7.79	9.22	5.86	5.89	7.17	9.65	6.42	5.89	8.72	7.01	4.85	6.01	6.88	7.96	9.01
Maternity (calculated using member months for members 10-64 years)																	
Discharges: Discharges/1,000 Member Months																	
10-19	NA	0.96	0.81	0.98	1.43	0.99	1.32	0.51	0.93	1.06	0.98						
20-44	NA	5.48	6.33	6.85	8.45	7.34	7.57	1.36	4.82	7.00	5.62						
45-64	NA	0.02	0.06	0.05	0.01	0.02	0.02	0.00	0.01	0.04	0.04						
Total	NA	3.00	3.29	3.75	4.43	3.85	3.98	0.73	2.40	3.62	2.89	3.69	0.88	2.15	2.99	4.52	6.93
Days: Days/1,000 Member Months																	
10-19	NA	2.68	2.28	2.69	3.68	2.68	3.52	1.34	2.63	3.38	3.18						
20-44	NA	14.36	17.16	18.10	21.68	19.03	19.20	3.92	13.81	22.38	17.97						
45-64	NA	0.09	0.16	0.51	0.03	0.08	0.04	0.00	0.05	0.09	0.11						
Total	NA	7.93	8.94	10.01	11.37	10.04	10.16	2.01	6.88	11.57	9.25	9.90	2.46	5.99	8.06	11.63	18.54
Average Length of Stay: Average # of Days																	
10-19	NA	2.79	2.82	2.76	2.57	2.72	2.67	2.63	2.84	3.18	3.24						
20-44	NA	2.62	2.71	2.64	2.57	2.59	2.54	2.89	2.86	3.19	3.20						
45-64	NA	4.33	2.55	9.43	2.67	4.33	2.00		5.50	2.43	2.83						
Unknown	NA																
Total	NA	2.64	2.72	2.67	2.57	2.61	2.55	2.76	2.86	3.19	3.20	2.73	2.34	2.52	2.67	2.83	3.07
Identification of Alcohol and Other Drug Services: Total (IAD)																	
Any Services																	
0-12	M	0.17%	0.01%	0.03%	0.18%	0.04%	0.06%	0.25%	0.14%	0.03%	0.02%						
	F	0.15%	0.02%	0.04%	0.14%	0.03%	0.02%	0.23%	0.13%	0.04%	0.03%						
	M&F	0.16%	0.02%	0.04%	0.16%	0.04%	0.04%	0.24%	0.13%	0.03%	0.03%						

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												Mean	P10	P25	P50	P75
13-17	M	2.09%	2.50%	1.86%	2.13%	1.99%	1.85%	6.61%	2.35%	2.60%	1.96%					
	F	1.65%	1.63%	1.08%	1.67%	1.31%	1.22%	6.75%	1.69%	1.79%	1.16%					
	M&F	1.87%	2.07%	1.47%	1.90%	1.65%	1.53%	6.66%	2.02%	2.20%	1.55%					
18-24	M	5.79%	4.27%	4.13%	4.24%	4.88%	2.77%	3.71%	3.98%	4.81%	3.62%					
	F	7.32%	4.83%	3.92%	5.80%	5.57%	3.06%	3.37%	5.74%	4.87%	3.03%					
	M&F	6.68%	4.63%	4.00%	5.28%	5.32%	2.96%	3.58%	5.06%	4.85%	3.25%					
25-34	M	11.63%	9.41%	9.32%	9.83%	11.61%	8.20%	2.01%	9.97%	11.41%	8.98%					
	F	11.11%	8.50%	5.32%	11.33%	10.83%	6.24%	2.48%	10.60%	9.37%	5.71%					
	M&F	11.25%	8.69%	5.94%	11.06%	10.99%	6.53%	2.32%	10.45%	9.76%	6.26%					
35-64	M	14.50%	12.77%	13.47%	14.58%	18.13%	13.82%	1.63%	15.79%	15.35%	11.98%					
	F	10.29%	9.13%	6.42%	12.70%	13.70%	8.57%	1.55%	11.42%	12.39%	6.81%					
	M&F	11.99%	10.43%	8.88%	13.32%	15.19%	9.94%	1.58%	13.04%	13.42%	8.49%					
≥65	M	6.07%	8.75%	6.40%	1.13%	1.07%	0.96%	0.00%	7.32%	7.26%	4.94%					
	F	2.76%	4.03%	1.93%	0.60%	0.27%	0.56%	0.00%	4.39%	3.76%	2.78%					
	M&F	4.01%	5.76%	3.40%	0.76%	0.54%	0.67%	0.00%	5.27%	4.79%	3.42%					
Unknown	M															
	F															
	M&F															
Total	M	4.73%	3.45%	3.22%	3.77%	4.08%	2.70%	2.69%	4.84%	4.06%	2.99%					
	F	5.55%	4.18%	2.99%	5.92%	5.58%	3.54%	2.42%	5.55%	5.10%	2.96%					
	M&F	5.19%	3.87%	3.08%	5.04%	4.95%	3.21%	2.58%	5.25%	4.66%	2.97%	6.08%	1.41%	2.87%	5.05%	7.33%
Inpatient																
0-12	M	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.06%	0.01%	0.01%	0.00%					
	F	0.01%	0.01%	0.00%	0.00%	0.01%	0.00%	0.02%	0.00%	0.01%	0.00%					
	M&F	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.05%	0.01%	0.01%	0.00%					
13-17	M	0.49%	0.42%	0.62%	0.45%	0.33%	0.60%	1.01%	0.42%	0.41%	0.31%					
	F	0.55%	0.28%	0.45%	0.34%	0.30%	0.52%	0.99%	0.40%	0.45%	0.52%					
	M&F	0.52%	0.35%	0.54%	0.40%	0.32%	0.56%	1.00%	0.41%	0.43%	0.42%					
18-24	M	2.02%	1.30%	1.49%	1.03%	1.48%	0.89%	1.14%	1.40%	1.70%	1.17%					
	F	3.32%	1.95%	1.19%	2.35%	1.91%	0.87%	1.04%	2.41%	1.84%	0.95%					
	M&F	2.78%	1.72%	1.31%	1.92%	1.75%	0.88%	1.10%	2.02%	1.79%	1.03%					
25-34	M	4.58%	2.76%	4.41%	3.09%	3.69%	2.94%	1.25%	3.17%	4.49%	3.36%					
	F	5.08%	2.97%	1.91%	4.38%	3.80%	1.69%	1.14%	3.97%	3.21%	1.71%					
	M&F	4.95%	2.92%	2.30%	4.15%	3.78%	1.87%	1.18%	3.79%	3.46%	1.98%					

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
35-64	M	5.52%	4.32%	5.64%	3.92%	6.10%	4.01%	0.95%	4.82%	4.69%	4.08%						
	F	3.21%	2.59%	2.00%	2.73%	3.26%	1.82%	0.84%	2.83%	2.91%	1.62%						
	M&F	4.14%	3.21%	3.27%	3.12%	4.21%	2.39%	0.89%	3.57%	3.53%	2.42%						
≥65	M	3.04%	2.73%	1.48%	0.68%	0.53%	0.00%	0.00%	2.54%	2.36%	1.91%						
	F	0.61%	0.71%	0.48%	0.10%	0.00%	0.19%	0.00%	0.83%	0.77%	0.33%						
	M&F	1.53%	1.45%	0.81%	0.28%	0.18%	0.13%	0.00%	1.35%	1.24%	0.80%						
Unknown	M																
	F																
	M&F																
Total	M	1.73%	1.06%	1.32%	0.99%	1.29%	0.82%	0.60%	1.45%	1.26%	0.97%						
	F	2.18%	1.33%	0.99%	1.75%	1.64%	0.87%	0.56%	1.65%	1.45%	0.80%						
	M&F	1.98%	1.21%	1.12%	1.44%	1.49%	0.85%	0.58%	1.57%	1.37%	0.87%	1.81%	0.37%	0.79%	1.25%	2.05%	3.82%
Intensive Outpatient/Partial Hospitalization																	
0-12	M	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.00%						
	F	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%						
	M&F	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%						
13-17	M	0.69%	0.68%	0.30%	0.86%	0.69%	0.51%	2.24%	0.79%	0.92%	0.40%						
	F	0.15%	0.39%	0.06%	0.46%	0.33%	0.14%	2.78%	0.28%	0.39%	0.21%						
	M&F	0.42%	0.54%	0.18%	0.66%	0.51%	0.32%	2.44%	0.54%	0.66%	0.30%						
18-24	M	0.60%	0.68%	0.38%	0.75%	1.47%	0.58%	0.81%	0.56%	0.83%	0.43%						
	F	1.09%	0.84%	0.56%	1.12%	1.67%	0.50%	0.52%	0.88%	0.63%	0.42%						
	M&F	0.89%	0.78%	0.49%	1.00%	1.60%	0.52%	0.70%	0.75%	0.70%	0.43%						
25-34	M	1.42%	0.98%	1.09%	1.81%	2.96%	1.05%	0.42%	1.03%	2.00%	1.24%						
	F	2.05%	1.33%	0.86%	2.58%	2.98%	1.21%	0.28%	1.78%	1.61%	0.92%						
	M&F	1.88%	1.26%	0.89%	2.44%	2.97%	1.18%	0.33%	1.60%	1.69%	0.97%						
35-64	M	0.74%	0.93%	1.04%	1.34%	2.89%	1.28%	0.17%	0.64%	1.00%	0.76%						
	F	0.83%	0.69%	0.52%	1.39%	2.04%	0.71%	0.23%	0.71%	0.80%	0.47%						
	M&F	0.79%	0.78%	0.70%	1.37%	2.33%	0.86%	0.20%	0.68%	0.87%	0.56%						
≥65	M	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.25%	0.26%						
	F	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
	M&F	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.07%	0.08%						
Unknown	M																
	F																
	M&F																

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles				
												Mean	P10	P25	P50	P75
Total	M	0.43%	0.37%	0.30%	0.52%	0.85%	0.35%	0.77%	0.36%	0.49%	0.28%					
	F	0.74%	0.52%	0.37%	0.97%	1.22%	0.44%	0.71%	0.56%	0.55%	0.32%					
	M&F	0.60%	0.45%	0.34%	0.79%	1.06%	0.41%	0.75%	0.48%	0.53%	0.30%	0.25%	0.00%	0.02%	0.11%	0.31%
Outpatient/ED*																
0-12	M	0.16%	0.01%	0.03%	0.18%	0.04%	0.05%	0.20%	0.13%	0.02%	0.02%					
	F	0.13%	0.01%	0.04%	0.14%	0.03%	0.02%	0.22%	0.12%	0.03%	0.03%					
	M&F	0.14%	0.01%	0.04%	0.16%	0.03%	0.04%	0.21%	0.13%	0.03%	0.03%					
13-17	M	1.59%	2.01%	1.42%	1.80%	1.60%	1.50%	5.65%	1.97%	2.23%	1.74%					
	F	1.38%	1.38%	0.90%	1.52%	1.08%	0.94%	6.10%	1.53%	1.46%	1.04%					
	M&F	1.48%	1.69%	1.16%	1.66%	1.35%	1.21%	5.82%	1.75%	1.85%	1.38%					
18-24	M	4.63%	3.35%	3.40%	3.53%	3.89%	2.31%	3.49%	3.18%	3.61%	3.07%					
	F	5.39%	3.74%	3.19%	4.19%	4.47%	2.54%	2.76%	4.43%	4.03%	2.47%					
	M&F	5.08%	3.60%	3.27%	3.97%	4.25%	2.46%	3.20%	3.95%	3.88%	2.68%					
25-34	M	9.58%	7.95%	7.41%	8.17%	9.52%	6.81%	2.32%	8.51%	9.22%	7.43%					
	F	8.70%	7.04%	4.26%	9.29%	9.14%	5.31%	2.12%	8.84%	7.96%	4.87%					
	M&F	8.93%	7.22%	4.75%	9.09%	9.22%	5.53%	2.17%	8.76%	8.21%	5.30%					
35-64	M	11.50%	10.70%	10.74%	12.89%	15.23%	11.88%	1.42%	13.68%	13.31%	10.34%					
	F	8.66%	7.98%	5.53%	11.41%	12.19%	7.70%	0.94%	10.21%	11.19%	6.10%					
	M&F	9.81%	8.96%	7.35%	11.89%	13.21%	8.79%	1.11%	11.50%	11.93%	7.48%					
≥65	M	3.54%	7.11%	5.42%	0.45%	0.53%	0.96%	0.00%	5.71%	6.42%	3.73%					
	F	2.46%	3.48%	1.69%	0.70%	0.27%	0.56%	0.00%	4.07%	3.41%	2.52%					
	M&F	2.87%	4.81%	2.91%	0.62%	0.36%	0.67%	0.00%	4.57%	4.30%	2.88%					
Unknown	M															
	F															
	M&F															
Total	M	3.79%	2.86%	2.58%	3.28%	3.38%	2.29%	2.37%	4.14%	3.43%	2.56%					
	F	4.43%	3.52%	2.48%	5.03%	4.79%	3.08%	2.11%	4.81%	4.46%	2.59%					
	M&F	4.15%	3.24%	2.52%	4.32%	4.20%	2.77%	2.26%	4.52%	4.03%	2.57%	5.44%	1.18%	2.45%	4.40%	6.79%
Mental Health Utilization: Total (MPT)																
Any Services																
0-12	M	9.55%	7.64%	4.11%	9.81%	8.05%	4.86%	26.37%	9.03%	7.99%	4.30%					
	F	6.04%	4.90%	2.38%	6.18%	4.90%	3.10%	18.52%	5.16%	4.85%	2.55%					
	M&F	7.84%	6.29%	3.25%	8.02%	6.49%	3.99%	23.12%	7.13%	6.44%	3.44%					

APPENDIX A | Utilization Measure Medicaid Results and Benchmarks

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
13-17	M	13.58%	12.60%	7.11%	15.39%	11.25%	8.52%	37.72%	12.75%	12.27%	7.17%						
	F	14.10%	14.67%	6.93%	16.68%	12.68%	8.74%	36.93%	14.63%	13.54%	6.87%						
	M&F	13.84%	13.63%	7.02%	16.03%	11.96%	8.63%	37.43%	13.70%	12.90%	7.01%						
18-64	M	9.95%	11.97%	6.72%	11.13%	8.36%	8.43%	11.60%	12.97%	11.77%	9.62%						
	F	11.92%	14.64%	5.74%	14.43%	10.99%	8.58%	7.75%	15.78%	13.87%	8.84%						
	M&F	11.21%	13.81%	6.03%	13.48%	10.19%	8.54%	9.81%	14.83%	13.22%	9.07%						
≥65	M	9.11%	6.70%	3.45%	0.91%	2.13%	3.83%	16.22%	6.23%	7.94%	6.32%						
	F	10.74%	9.25%	5.78%	2.20%	1.91%	3.74%	0.00%	9.85%	9.67%	5.89%						
	M&F	10.13%	8.31%	5.02%	1.80%	1.99%	3.77%	7.84%	8.76%	9.16%	6.02%						
Unknown	M																
	F																
	M&F																
Total	M	10.25%	9.71%	5.36%	11.01%	8.58%	6.45%	25.16%	10.91%	9.77%	6.36%						
	F	10.08%	10.88%	4.63%	11.64%	8.81%	6.61%	18.70%	11.87%	10.37%	6.26%						
	M&F	10.15%	10.39%	4.93%	11.38%	8.71%	6.55%	22.45%	11.46%	10.12%	6.30%	12.84%	4.82%	7.21%	10.94%	15.74%	21.73%
Inpatient																	
0-12	M	0.12%	0.08%	0.14%	0.10%	0.07%	0.11%	0.85%	0.07%	0.07%	0.10%						
	F	0.09%	0.06%	0.09%	0.05%	0.05%	0.08%	0.47%	0.09%	0.05%	0.08%						
	M&F	0.11%	0.07%	0.12%	0.08%	0.06%	0.10%	0.69%	0.08%	0.06%	0.09%						
13-17	M	0.88%	0.74%	0.92%	0.88%	0.63%	1.06%	3.13%	0.73%	0.70%	0.83%						
	F	1.61%	1.16%	1.37%	1.30%	1.05%	1.52%	4.53%	1.24%	1.40%	1.15%						
	M&F	1.24%	0.95%	1.14%	1.08%	0.84%	1.30%	3.64%	0.99%	1.05%	0.99%						
18-64	M	2.15%	1.85%	2.60%	1.44%	1.91%	1.70%	1.75%	2.04%	2.07%	2.51%						
	F	1.65%	1.43%	1.28%	1.37%	1.49%	1.12%	1.35%	1.59%	1.67%	1.39%						
	M&F	1.83%	1.56%	1.67%	1.39%	1.62%	1.27%	1.56%	1.74%	1.79%	1.73%						
≥65	M	5.57%	1.50%	0.00%	0.45%	2.13%	1.44%	0.00%	2.34%	3.55%	3.47%						
	F	7.98%	1.82%	2.41%	0.80%	1.37%	1.50%	0.00%	3.62%	3.83%	2.56%						
	M&F	7.07%	1.70%	1.62%	0.69%	1.63%	1.48%	0.00%	3.23%	3.75%	2.83%						
Unknown	M																
	F																
	M&F																
Total	M	1.04%	0.74%	1.05%	0.64%	0.73%	0.71%	1.68%	0.94%	0.83%	1.00%						
	F	1.13%	0.89%	0.86%	0.89%	0.90%	0.80%	1.61%	1.16%	1.11%	0.94%						
	M&F	1.09%	0.83%	0.94%	0.79%	0.83%	0.76%	1.65%	1.07%	0.99%	0.96%	1.37%	0.39%	0.56%	0.88%	1.24%	2.82%

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles						
												Mean	P10	P25	P50	P75	P90	
Intensive Outpatient/Partial Hospitalization																		
0-12	M	0.04%	0.00%	0.04%	0.02%	0.00%	0.08%	0.14%	0.04%	0.01%	0.03%							
	F	0.01%	0.00%	0.06%	0.02%	0.00%	0.06%	0.14%	0.02%	0.00%	0.03%							
	M&F	0.03%	0.00%	0.05%	0.02%	0.00%	0.07%	0.14%	0.03%	0.00%	0.03%							
13-17	M	0.23%	0.12%	0.53%	0.14%	0.11%	0.53%	0.67%	0.26%	0.04%	0.36%							
	F	0.11%	0.13%	0.48%	0.13%	0.18%	0.54%	1.47%	0.14%	0.05%	0.48%							
	M&F	0.17%	0.13%	0.51%	0.13%	0.15%	0.53%	0.96%	0.20%	0.05%	0.43%							
18-64	M	0.06%	0.09%	0.31%	0.06%	0.62%	0.29%	0.33%	0.10%	0.13%	0.36%							
	F	0.12%	0.14%	0.22%	0.15%	0.53%	0.29%	0.28%	0.19%	0.15%	0.36%							
	M&F	0.10%	0.12%	0.25%	0.12%	0.56%	0.29%	0.31%	0.16%	0.14%	0.36%							
≥65	M	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.09%							
	F	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%							
	M&F	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.03%							
Unknown	M																	
	F																	
	M&F																	
Total	M	0.07%	0.05%	0.19%	0.05%	0.21%	0.21%	0.33%	0.09%	0.05%	0.18%							
	F	0.08%	0.08%	0.19%	0.10%	0.29%	0.23%	0.46%	0.12%	0.08%	0.24%							
	M&F	0.08%	0.07%	0.19%	0.08%	0.26%	0.22%	0.38%	0.11%	0.07%	0.22%	0.44%	0.01%	0.04%	0.15%	0.36%	1.55%	
Outpatient/ED																		
0-12	M	9.54%	7.63%	4.07%	9.79%	8.04%	4.82%	26.16%	9.02%	7.98%	4.27%							
	F	6.03%	4.88%	2.36%	6.17%	4.89%	3.09%	18.43%	5.16%	4.85%	2.54%							
	M&F	7.83%	6.28%	3.22%	8.01%	6.48%	3.96%	22.96%	7.13%	6.43%	3.42%							
13-17	M	13.41%	12.46%	6.72%	15.26%	11.07%	8.29%	36.97%	12.62%	12.14%	6.82%							
	F	13.91%	14.53%	6.51%	16.59%	12.44%	8.44%	36.12%	14.56%	13.25%	6.62%							
	M&F	13.66%	13.49%	6.61%	15.92%	11.75%	8.37%	36.66%	13.59%	12.68%	6.72%							
18-64	M	9.35%	11.37%	5.63%	10.80%	7.46%	7.93%	14.40%	12.48%	11.12%	8.90%							
	F	11.40%	14.29%	5.21%	14.12%	10.30%	8.24%	8.46%	15.44%	13.41%	8.40%							
	M&F	10.65%	13.38%	5.34%	13.17%	9.44%	8.16%	11.45%	14.43%	12.71%	8.55%							
≥65	M	3.54%	5.47%	3.45%	0.45%	0.00%	2.87%	17.78%	4.31%	4.73%	3.29%							
	F	3.38%	7.82%	3.37%	1.50%	0.55%	2.62%	0.00%	6.66%	6.30%	3.70%							
	M&F	3.44%	6.96%	3.40%	1.18%	0.36%	2.69%	8.70%	5.95%	5.83%	3.58%							
Unknown	M																	
	F																	
	M&F																	

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Total	M	9.97%	9.48%	4.94%	10.87%	8.26%	6.25%	26.45%	10.65%	9.49%	6.02%						
	F	9.73%	10.66%	4.29%	11.46%	8.42%	6.39%	19.21%	11.52%	10.00%	5.93%						
	M&F	9.84%	10.16%	4.55%	11.22%	8.35%	6.33%	23.38%	11.15%	9.79%	5.96%	12.11%	4.44%	6.76%	10.69%	14.61%	20.87%
Antibiotic Utilization: Total (ABX)																	
Antibiotic Utilization																	
Average Scripts PMPY for Antibiotics																	
0-9	M	1.10	1.00	0.73	1.46	1.05	1.02	1.30	1.12	1.12	0.86						
	F	1.15	1.04	0.76	1.51	1.10	1.08	1.38	1.17	1.16	0.87						
	M&F	1.13	1.02	0.75	1.48	1.07	1.05	1.33	1.15	1.14	0.86						
10-17	M	0.68	0.60	0.46	0.87	0.58	0.59	0.73	0.68	0.62	0.52						
	F	0.89	0.84	0.63	1.16	0.75	0.81	1.07	0.94	0.87	0.67						
	M&F	0.78	0.72	0.54	1.01	0.66	0.70	0.85	0.81	0.74	0.59						
18-34	M	0.64	0.62	0.57	0.69	0.55	0.59	0.47	0.62	0.63	0.55						
	F	1.48	1.44	1.54	1.56	1.48	1.57	0.85	1.34	1.40	1.36						
	M&F	1.20	1.21	1.28	1.34	1.22	1.32	0.64	1.12	1.19	1.14						
35-49	M	0.82	0.88	0.91	0.96	0.82	0.93	0.29	0.87	0.91	0.86						
	F	1.43	1.49	1.48	1.60	1.46	1.62	0.33	1.44	1.49	1.42						
	M&F	1.21	1.31	1.32	1.41	1.28	1.48	0.31	1.25	1.31	1.28						
50-64	M	0.96	1.16	0.90	1.05	1.00	0.97	0.44	1.10	1.13	0.96						
	F	1.40	1.79	1.36	1.59	1.46	1.52	0.74	1.71	1.72	1.52						
	M&F	1.19	1.50	1.16	1.39	1.26	1.31	0.57	1.44	1.47	1.26						
65-74	M	1.63	1.82	1.08	0.15	0.53	0.40	0.87	1.52	1.07	1.10						
	F	2.28	2.59	1.75	0.30	0.38	0.39	0.49	2.05	1.67	1.46						
	M&F	2.00	2.28	1.51	0.26	0.44	0.39	0.67	1.85	1.46	1.32						
75-84	M	2.02	1.74	1.63	0.01	0.60	0.00	0.00	1.20	0.88	0.54						
	F	1.94	2.34	1.66	0.09	0.39	0.11	0.00	1.54	0.96	0.75						
	M&F	1.97	2.16	1.65	0.07	0.45	0.09	0.00	1.45	0.93	0.70						
≥85	M	1.68	1.42	1.02	0.60	1.11	1.12		0.77	0.44	0.47						
	F	1.22	2.49	1.02	0.38	0.21	0.24		0.70	0.48	0.36						
	M&F	1.29	2.28	1.02	0.42	0.40	0.38		0.71	0.47	0.38						
Unknown	M																
	F																
	M&F																

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Total	M	0.86	0.86	0.66	1.11	0.81	0.82	0.84	0.92	0.91	0.74	0.81	0.57	0.65	0.75	0.92	1.09
	F	1.27	1.25	1.15	1.47	1.22	1.29	1.07	1.29	1.27	1.10	1.19	0.82	0.95	1.11	1.31	1.60
	M&F	1.09	1.09	0.95	1.33	1.05	1.11	0.94	1.13	1.12	0.95	1.02	0.72	0.81	0.96	1.13	1.33
Average Days Supplied per Antibiotic Script																	
0-9	M	9.20	9.44	9.39	9.30	9.49	9.39	10.69	9.26	9.53	9.49						
	F	9.34	9.51	9.45	9.44	9.55	9.47	10.92	9.34	9.60	9.49						
	M&F	9.27	9.47	9.42	9.37	9.52	9.43	10.79	9.30	9.56	9.49						
10-17	M	9.52	9.86	9.45	10.26	9.45	9.88	11.27	10.18	9.87	10.00						
	F	9.32	9.29	8.86	10.09	9.57	9.66	11.13	9.77	9.32	9.47						
	M&F	9.41	9.53	9.11	10.17	9.52	9.75	11.21	9.94	9.56	9.70						
18-34	M	9.16	9.61	8.85	9.93	9.18	9.55	12.11	10.03	9.76	9.40						
	F	8.17	8.17	7.64	8.80	8.76	8.48	10.05	8.51	8.29	7.92						
	M&F	8.35	8.37	7.78	8.95	8.81	8.60	10.89	8.77	8.50	8.11						
35-49	M	8.98	10.05	9.92	10.02	10.27	10.54	12.22	9.55	9.80	10.13						
	F	8.69	8.66	8.53	9.16	9.08	9.08	11.06	8.85	8.69	8.69						
	M&F	8.76	8.95	8.80	9.34	9.30	9.27	11.51	9.00	8.93	8.93						
50-64	M	9.39	9.82	9.62	10.95	10.80	10.84	15.18	9.81	10.14	9.99						
	F	8.68	9.17	8.54	9.62	9.20	9.90	15.24	9.15	9.32	8.66						
	M&F	8.95	9.40	8.91	9.99	9.74	10.15	15.21	9.37	9.59	9.12						
65-74	M	9.22	9.29	12.24	10.54	14.47	11.85	8.00	9.69	8.89	9.41						
	F	8.95	8.29	8.49	9.47	9.35	9.26	7.33	9.19	8.41	8.89						
	M&F	9.04	8.62	9.43	9.68	11.73	10.06	7.73	9.34	8.54	9.05						
75-84	M	11.85	9.05	10.49	7.00	6.55			9.20	9.80	8.48						
	F	12.52	8.82	9.85	8.05	10.64	7.93		9.40	9.57	8.48						
	M&F	12.30	8.88	10.03	8.00	9.09	7.93		9.35	9.63	8.48						
≥85	M	9.07	5.98	10.10	8.25	9.71	3.88		7.36	7.20	7.78						
	F	13.17	9.18	7.16	5.79	7.67	6.67		9.47	8.85	7.51						
	M&F	12.39	8.79	7.77	6.41	8.86	5.35		9.13	8.61	7.56						
Unknown	M																
	F																
	M&F																
Total	M	9.25	9.61	9.40	9.71	9.60	9.69	11.12	9.60	9.68	9.66	9.95	9.29	9.50	9.74	10.10	10.55
	F	8.74	8.83	8.30	9.29	9.14	9.08	10.86	9.06	8.95	8.69	9.11	8.49	8.79	8.99	9.26	9.68
	M&F	8.92	9.09	8.61	9.43	9.29	9.26	10.99	9.24	9.20	9.00	9.42	8.80	9.06	9.29	9.55	10.01

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Average Scripts PMPY for Antibiotics of Concern																	
0-9	M	0.53	0.44	0.31	0.74	0.45	0.50	0.63	0.55	0.49	0.38						
	F	0.52	0.44	0.31	0.71	0.45	0.49	0.61	0.55	0.50	0.36						
	M&F	0.53	0.44	0.31	0.73	0.45	0.49	0.62	0.55	0.49	0.37						
10-17	M	0.33	0.27	0.22	0.42	0.26	0.28	0.31	0.34	0.28	0.25						
	F	0.40	0.36	0.27	0.53	0.32	0.37	0.43	0.45	0.38	0.29						
	M&F	0.36	0.32	0.25	0.47	0.29	0.32	0.36	0.40	0.33	0.27						
18-34	M	0.32	0.30	0.28	0.32	0.26	0.27	0.20	0.30	0.30	0.27						
	F	0.64	0.60	0.61	0.66	0.59	0.61	0.33	0.60	0.60	0.56						
	M&F	0.53	0.52	0.52	0.57	0.50	0.52	0.25	0.51	0.52	0.48						
35-49	M	0.42	0.44	0.46	0.50	0.40	0.47	0.11	0.46	0.47	0.44						
	F	0.73	0.72	0.69	0.82	0.70	0.74	0.11	0.75	0.73	0.68						
	M&F	0.62	0.63	0.63	0.72	0.62	0.69	0.11	0.66	0.65	0.62						
50-64	M	0.54	0.59	0.46	0.53	0.48	0.48	0.15	0.59	0.58	0.47						
	F	0.78	0.95	0.70	0.84	0.76	0.77	0.23	0.95	0.95	0.80						
	M&F	0.66	0.79	0.59	0.73	0.64	0.66	0.18	0.79	0.80	0.65						
65-74	M	0.98	1.01	0.44	0.08	0.21	0.22	0.48	0.89	0.62	0.62						
	F	1.34	1.35	0.93	0.15	0.21	0.22	0.16	1.14	0.95	0.76						
	M&F	1.19	1.21	0.76	0.13	0.21	0.22	0.31	1.05	0.83	0.71						
75-84	M	1.31	1.01	0.74	0.00	0.35	0.00	0.00	0.66	0.53	0.31						
	F	0.87	1.46	0.75	0.03	0.24	0.07	0.00	0.82	0.52	0.41						
	M&F	1.01	1.33	0.75	0.02	0.27	0.05	0.00	0.78	0.52	0.39						
≥85	M	1.08	0.85	0.61	0.38	0.39	0.70		0.48	0.28	0.35						
	F	0.55	1.41	0.51	0.19	0.14	0.11		0.36	0.26	0.19						
	M&F	0.63	1.30	0.53	0.22	0.19	0.20		0.38	0.26	0.21						
Unknown	M																
	F																
	M&F																
Total	M	0.43	0.40	0.30	0.55	0.37	0.40	0.38	0.46	0.42	0.34	0.35	0.21	0.27	0.32	0.40	0.53
	F	0.59	0.56	0.48	0.69	0.52	0.56	0.44	0.63	0.58	0.49	0.50	0.32	0.38	0.46	0.57	0.74
	M&F	0.52	0.49	0.41	0.63	0.46	0.49	0.41	0.56	0.51	0.43	0.43	0.27	0.33	0.40	0.49	0.63
Percentage of Antibiotics of Concern of All Antibiotic Scripts																	
0-9	M	48.42%	44.05%	41.84%	50.31%	43.13%	48.47%	48.77%	49.29%	43.93%	43.88%						
	F	45.18%	41.85%	40.43%	47.43%	41.44%	45.33%	44.02%	47.24%	42.62%	41.90%						
	M&F	46.81%	42.95%	41.13%	48.87%	42.28%	46.88%	46.65%	48.26%	43.27%	42.90%						

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
10-17	M	48.98%	45.69%	48.15%	48.05%	45.58%	47.43%	42.95%	50.12%	45.79%	47.65%						
	F	44.41%	43.27%	43.68%	45.99%	42.44%	45.09%	40.38%	48.14%	44.14%	43.69%						
	M&F	46.41%	44.28%	45.55%	46.88%	43.82%	46.05%	41.76%	48.98%	44.84%	45.39%						
18-34	M	49.01%	48.21%	49.21%	46.32%	47.22%	45.25%	41.51%	49.19%	48.22%	49.08%						
	F	43.23%	41.71%	39.43%	42.22%	39.85%	38.54%	38.44%	44.76%	42.76%	41.47%						
	M&F	44.28%	42.64%	40.58%	42.75%	40.78%	39.30%	39.70%	45.51%	43.54%	42.46%						
35-49	M	51.12%	49.18%	50.39%	51.55%	48.95%	50.36%	39.50%	53.28%	51.81%	51.69%						
	F	51.26%	48.30%	46.77%	51.19%	48.17%	45.82%	34.99%	52.11%	49.35%	47.76%						
	M&F	51.23%	48.48%	47.49%	51.26%	48.32%	46.42%	36.74%	52.37%	49.89%	48.43%						
50-64	M	56.04%	50.63%	50.66%	50.51%	48.13%	49.29%	33.75%	53.52%	51.85%	48.64%						
	F	55.68%	53.48%	51.61%	53.14%	52.48%	50.47%	31.56%	55.33%	55.11%	53.03%						
	M&F	55.82%	52.47%	51.28%	52.39%	51.02%	50.15%	32.53%	54.72%	54.06%	51.51%						
65-74	M	60.24%	55.45%	40.46%	50.00%	40.28%	54.55%	55.56%	58.65%	58.39%	55.86%						
	F	58.76%	51.99%	53.09%	50.93%	55.42%	56.46%	33.33%	55.93%	56.78%	52.14%						
	M&F	59.28%	53.12%	49.93%	50.75%	48.39%	55.87%	46.67%	56.75%	57.19%	53.30%						
75-84	M	64.71%	58.30%	45.28%	0.00%	59.09%			54.53%	60.78%	56.96%						
	F	44.93%	62.61%	45.19%	31.82%	61.11%	57.14%		53.37%	54.40%	54.94%						
	M&F	51.46%	61.56%	45.21%	30.43%	60.34%	57.14%		53.63%	56.14%	55.35%						
≥85	M	64.29%	60.00%	60.00%	62.50%	35.29%	62.50%		62.30%	63.64%	74.51%						
	F	45.00%	56.64%	50.00%	50.00%	66.67%	44.44%		51.69%	53.87%	51.67%						
	M&F	48.65%	57.06%	52.08%	53.13%	48.28%	52.94%		53.37%	55.29%	55.67%						
Unknown	M																
	F																
	M&F																
Total	M	49.61%	46.13%	45.74%	49.62%	44.90%	48.12%	45.65%	50.71%	46.36%	46.60%	43.03%	36.76%	39.39%	42.43%	46.66%	50.13%
	F	46.08%	44.44%	42.06%	46.66%	42.76%	43.33%	41.42%	49.05%	45.50%	44.45%	41.58%	35.72%	38.53%	40.98%	44.79%	48.29%
	M&F	47.31%	45.00%	43.11%	47.67%	43.45%	44.74%	43.62%	49.62%	45.79%	45.14%	42.10%	36.01%	38.83%	41.73%	45.40%	48.90%

Antibiotics of Concern Utilization

Average Scripts PMPY for Quinolones

0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
10-17	M	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00						
	F	0.01	0.02	0.01	0.02	0.01	0.02	0.03	0.02	0.02	0.01						
	M&F	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01						

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
18-34	M	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.05	0.04						
	F	0.11	0.11	0.11	0.12	0.12	0.12	0.07	0.11	0.11	0.10						
	M&F	0.09	0.09	0.09	0.10	0.09	0.10	0.05	0.09	0.09	0.08						
35-49	M	0.09	0.10	0.12	0.11	0.11	0.11	0.04	0.10	0.11	0.10						
	F	0.17	0.17	0.16	0.20	0.17	0.19	0.03	0.18	0.17	0.16						
	M&F	0.14	0.14	0.15	0.17	0.15	0.17	0.03	0.15	0.15	0.15						
50-64	M	0.16	0.19	0.14	0.16	0.16	0.15	0.05	0.18	0.18	0.15						
	F	0.24	0.28	0.22	0.27	0.27	0.25	0.13	0.29	0.28	0.26						
	M&F	0.20	0.24	0.18	0.22	0.22	0.21	0.08	0.24	0.24	0.21						
65-74	M	0.36	0.40	0.09	0.03	0.08	0.10	0.19	0.31	0.20	0.22						
	F	0.49	0.51	0.37	0.07	0.11	0.08	0.00	0.43	0.35	0.27						
	M&F	0.43	0.47	0.28	0.05	0.10	0.09	0.09	0.38	0.30	0.25						
75-84	M	0.66	0.54	0.34	0.00	0.08	0.00	0.00	0.24	0.18	0.12						
	F	0.35	0.69	0.42	0.01	0.12	0.04	0.00	0.34	0.23	0.19						
	M&F	0.45	0.64	0.40	0.01	0.11	0.03	0.00	0.31	0.21	0.17						
≥85	M	0.96	0.50	0.31	0.30	0.07	0.14		0.21	0.11	0.19						
	F	0.24	0.84	0.21	0.06	0.09	0.05		0.15	0.11	0.09						
	M&F	0.35	0.77	0.23	0.11	0.08	0.07		0.16	0.11	0.11						
Unknown	M																
	F																
	M&F																
Total	M	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.04	0.03	0.03	0.04	0.01	0.02	0.03	0.04	0.09
	F	0.08	0.08	0.07	0.09	0.08	0.09	0.03	0.10	0.08	0.08	0.09	0.04	0.06	0.08	0.10	0.15
	M&F	0.06	0.06	0.06	0.07	0.06	0.06	0.02	0.08	0.06	0.06	0.07	0.03	0.04	0.06	0.08	0.13
Average Scripts PMPY for Cephalosporins 2nd-4th Generation																	
0-9	M	0.19	0.19	0.10	0.29	0.20	0.18	0.24	0.20	0.21	0.12						
	F	0.20	0.20	0.11	0.30	0.21	0.18	0.24	0.22	0.23	0.13						
	M&F	0.19	0.19	0.10	0.29	0.20	0.18	0.24	0.21	0.22	0.12						
10-17	M	0.06	0.06	0.04	0.09	0.06	0.05	0.06	0.06	0.06	0.04						
	F	0.08	0.09	0.05	0.12	0.08	0.07	0.10	0.10	0.08	0.05						
	M&F	0.07	0.07	0.04	0.11	0.07	0.06	0.08	0.08	0.07	0.04						
18-34	M	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02						
	F	0.05	0.05	0.03	0.06	0.05	0.04	0.03	0.05	0.05	0.03						
	M&F	0.04	0.05	0.03	0.05	0.04	0.04	0.02	0.05	0.05	0.03						

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
35-49	M	0.03	0.03	0.03	0.04	0.03	0.04	0.01	0.03	0.04	0.02						
	F	0.06	0.07	0.04	0.07	0.06	0.04	0.01	0.07	0.06	0.04						
	M&F	0.05	0.05	0.04	0.06	0.05	0.04	0.01	0.06	0.06	0.03						
50-64	M	0.04	0.04	0.02	0.05	0.04	0.03	0.02	0.05	0.04	0.02						
	F	0.06	0.07	0.04	0.08	0.06	0.05	0.00	0.09	0.10	0.05						
	M&F	0.05	0.06	0.03	0.07	0.05	0.04	0.01	0.07	0.07	0.04						
65-74	M	0.06	0.10	0.07	0.00	0.01	0.01	0.00	0.11	0.09	0.05						
	F	0.10	0.12	0.09	0.02	0.01	0.02	0.08	0.15	0.11	0.07						
	M&F	0.09	0.11	0.09	0.02	0.01	0.02	0.04	0.14	0.10	0.06						
75-84	M	0.21	0.04	0.00	0.00	0.03	0.00	0.00	0.09	0.08	0.05						
	F	0.15	0.21	0.07	0.00	0.01	0.00	0.00	0.13	0.08	0.03						
	M&F	0.17	0.16	0.05	0.00	0.02	0.00	0.00	0.12	0.08	0.03						
≥85	M	0.00	0.14	0.00	0.00	0.13	0.56		0.09	0.02	0.05						
	F	0.16	0.15	0.05	0.05	0.00	0.00		0.08	0.04	0.03						
	M&F	0.14	0.15	0.04	0.04	0.03	0.09		0.08	0.04	0.03						
Unknown	M																
	F																
	M&F																
Total	M	0.09	0.11	0.06	0.16	0.11	0.10	0.11	0.10	0.12	0.07	0.06	0.01	0.02	0.05	0.08	0.12
	F	0.10	0.11	0.06	0.14	0.10	0.09	0.12	0.11	0.12	0.06	0.06	0.02	0.03	0.05	0.08	0.12
	M&F	0.10	0.11	0.06	0.15	0.10	0.09	0.12	0.11	0.12	0.07	0.06	0.01	0.03	0.05	0.08	0.12
Average Scripts PMPY for Azithromycins and Clarithromycins																	
0-9	M	0.20	0.13	0.09	0.26	0.12	0.16	0.18	0.20	0.13	0.12						
	F	0.18	0.12	0.09	0.23	0.12	0.15	0.17	0.19	0.13	0.11						
	M&F	0.19	0.12	0.09	0.25	0.12	0.15	0.18	0.19	0.13	0.11						
10-17	M	0.15	0.12	0.09	0.18	0.11	0.12	0.11	0.17	0.13	0.11						
	F	0.18	0.16	0.13	0.23	0.13	0.16	0.15	0.21	0.17	0.13						
	M&F	0.17	0.14	0.11	0.20	0.12	0.14	0.13	0.19	0.15	0.12						
18-34	M	0.11	0.12	0.11	0.10	0.08	0.09	0.06	0.11	0.12	0.11						
	F	0.24	0.24	0.26	0.24	0.22	0.22	0.13	0.23	0.24	0.24						
	M&F	0.20	0.21	0.22	0.20	0.18	0.19	0.09	0.19	0.20	0.20						
35-49	M	0.12	0.14	0.13	0.14	0.11	0.14	0.02	0.14	0.16	0.14						
	F	0.24	0.25	0.24	0.26	0.23	0.25	0.05	0.25	0.26	0.23						
	M&F	0.20	0.22	0.21	0.23	0.20	0.22	0.04	0.21	0.23	0.21						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
50-64	M	0.14	0.17	0.13	0.13	0.13	0.12	0.03	0.17	0.19	0.13						
	F	0.25	0.31	0.23	0.25	0.22	0.22	0.05	0.30	0.31	0.26						
	M&F	0.20	0.25	0.18	0.20	0.18	0.18	0.04	0.24	0.26	0.20						
65-74	M	0.24	0.24	0.10	0.02	0.02	0.06	0.10	0.25	0.15	0.15						
	F	0.52	0.41	0.29	0.04	0.04	0.05	0.00	0.31	0.28	0.22						
	M&F	0.40	0.34	0.22	0.03	0.03	0.05	0.04	0.29	0.24	0.20						
75-84	M	0.21	0.25	0.15	0.00	0.16	0.00	0.00	0.16	0.15	0.06						
	F	0.17	0.34	0.18	0.01	0.08	0.02	0.00	0.18	0.13	0.10						
	M&F	0.18	0.31	0.18	0.01	0.10	0.02	0.00	0.17	0.14	0.09						
≥85	M	0.00	0.14	0.00	0.08	0.07	0.00		0.11	0.09	0.06						
	F	0.04	0.26	0.11	0.02	0.00	0.03		0.05	0.06	0.02						
	M&F	0.03	0.24	0.08	0.03	0.01	0.02		0.06	0.06	0.03						
Unknown	M																
	F																
	M&F																
Total	M	0.16	0.13	0.10	0.19	0.11	0.13	0.12	0.17	0.13	0.12	0.14	0.08	0.11	0.13	0.15	0.19
	F	0.21	0.20	0.18	0.24	0.17	0.19	0.15	0.22	0.20	0.18	0.20	0.12	0.15	0.18	0.22	0.27
	M&F	0.19	0.17	0.15	0.22	0.15	0.17	0.13	0.20	0.17	0.15	0.17	0.11	0.13	0.16	0.19	0.23
Average Scripts PMPY for Amoxicillin/Clavulanates																	
0-9	M	0.13	0.10	0.08	0.17	0.11	0.13	0.16	0.14	0.13	0.11						
	F	0.12	0.10	0.08	0.16	0.11	0.13	0.15	0.13	0.12	0.10						
	M&F	0.13	0.10	0.08	0.17	0.11	0.13	0.16	0.14	0.13	0.10						
10-17	M	0.09	0.07	0.06	0.11	0.07	0.07	0.08	0.09	0.07	0.06						
	F	0.09	0.08	0.06	0.12	0.07	0.08	0.10	0.10	0.09	0.06						
	M&F	0.09	0.07	0.06	0.12	0.07	0.08	0.09	0.10	0.08	0.06						
18-34	M	0.08	0.07	0.06	0.08	0.07	0.07	0.05	0.07	0.07	0.06						
	F	0.12	0.12	0.11	0.14	0.12	0.13	0.06	0.12	0.12	0.12						
	M&F	0.11	0.11	0.10	0.13	0.10	0.11	0.05	0.11	0.11	0.10						
35-49	M	0.10	0.10	0.11	0.12	0.09	0.11	0.04	0.11	0.10	0.11						
	F	0.15	0.15	0.15	0.17	0.14	0.16	0.02	0.15	0.15	0.15						
	M&F	0.13	0.13	0.14	0.15	0.13	0.15	0.03	0.14	0.13	0.14						
50-64	M	0.10	0.11	0.09	0.12	0.09	0.11	0.04	0.11	0.11	0.10						
	F	0.15	0.18	0.15	0.16	0.14	0.16	0.04	0.17	0.17	0.15						
	M&F	0.13	0.15	0.12	0.14	0.12	0.14	0.04	0.14	0.15	0.13						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
65-74	M	0.17	0.13	0.08	0.03	0.04	0.04	0.10	0.13	0.10	0.12						
	F	0.15	0.21	0.10	0.02	0.03	0.06	0.08	0.18	0.12	0.14						
	M&F	0.16	0.18	0.10	0.02	0.03	0.05	0.09	0.16	0.11	0.13						
75-84	M	0.03	0.13	0.18	0.00	0.00	0.00	0.00	0.10	0.09	0.06						
	F	0.08	0.16	0.07	0.00	0.02	0.00	0.00	0.10	0.06	0.05						
	M&F	0.07	0.15	0.11	0.00	0.02	0.00	0.00	0.10	0.07	0.05						
≥85	M	0.12	0.07	0.31	0.00	0.00	0.00		0.05	0.05	0.04						
	F	0.04	0.10	0.05	0.00	0.05	0.00		0.04	0.03	0.04						
	M&F	0.05	0.09	0.11	0.00	0.04	0.00		0.04	0.04	0.04						
Unknown	M																
	F																
	M&F																
Total	M	0.10	0.09	0.08	0.13	0.09	0.10	0.10	0.11	0.10	0.09	0.08	0.05	0.06	0.08	0.10	0.12
	F	0.12	0.12	0.10	0.15	0.11	0.13	0.10	0.13	0.12	0.11	0.10	0.06	0.08	0.09	0.11	0.14
	M&F	0.11	0.11	0.09	0.14	0.10	0.12	0.10	0.12	0.11	0.10	0.09	0.06	0.07	0.09	0.10	0.13
Average Scripts PMPY for Ketolides																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
10-17	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
18-34	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
35-49	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
50-64	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
65-74	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
75-84	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
≥85	M	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
Unknown	M																
	F																
	M&F																
Total	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Scripts PMPY for Clindamycins																	
0-9	M	0.02	0.02	0.04	0.02	0.02	0.03	0.04	0.01	0.02	0.03						
	F	0.02	0.02	0.04	0.02	0.02	0.03	0.03	0.01	0.02	0.03						
	M&F	0.02	0.02	0.04	0.02	0.02	0.03	0.03	0.01	0.02	0.03						
10-17	M	0.02	0.02	0.03	0.03	0.02	0.03	0.04	0.02	0.02	0.03						
	F	0.02	0.03	0.03	0.03	0.03	0.04	0.05	0.03	0.03	0.04						
	M&F	0.02	0.02	0.03	0.03	0.02	0.04	0.04	0.02	0.02	0.03						
18-34	M	0.06	0.04	0.05	0.06	0.05	0.04	0.03	0.05	0.05	0.04						
	F	0.12	0.08	0.10	0.10	0.09	0.09	0.04	0.09	0.08	0.08						
	M&F	0.10	0.07	0.08	0.09	0.08	0.08	0.04	0.08	0.07	0.07						
35-49	M	0.08	0.06	0.07	0.09	0.07	0.07	0.01	0.08	0.07	0.06						
	F	0.11	0.09	0.10	0.12	0.10	0.10	0.01	0.10	0.09	0.10						
	M&F	0.10	0.08	0.09	0.11	0.09	0.09	0.01	0.09	0.09	0.09						
50-64	M	0.07	0.06	0.06	0.07	0.05	0.07	0.01	0.07	0.05	0.06						
	F	0.08	0.09	0.07	0.08	0.07	0.08	0.02	0.09	0.08	0.08						
	M&F	0.07	0.08	0.07	0.08	0.06	0.08	0.01	0.08	0.07	0.07						
65-74	M	0.13	0.08	0.09	0.00	0.04	0.01	0.10	0.06	0.05	0.05						
	F	0.08	0.08	0.07	0.01	0.02	0.01	0.00	0.06	0.08	0.05						
	M&F	0.10	0.08	0.07	0.01	0.03	0.01	0.04	0.06	0.07	0.05						
75-84	M	0.03	0.06	0.06	0.00	0.05	0.00	0.00	0.06	0.02	0.02						
	F	0.11	0.04	0.00	0.00	0.01	0.00	0.00	0.04	0.02	0.04						
	M&F	0.09	0.05	0.02	0.00	0.02	0.00	0.00	0.04	0.02	0.03						

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
≥85	M	0.00	0.00	0.00	0.00	0.13	0.00		0.02	0.02	0.00						
	F	0.00	0.03	0.08	0.00	0.00	0.03		0.02	0.01	0.01						
	M&F	0.00	0.03	0.06	0.00	0.03	0.02		0.02	0.02	0.01						
Unknown	M																
	F																
	M&F																
Total	M	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.02	0.02	0.03	0.04	0.05
	F	0.07	0.05	0.07	0.07	0.06	0.07	0.04	0.06	0.05	0.06	0.05	0.03	0.04	0.05	0.06	0.07
	M&F	0.06	0.04	0.06	0.05	0.05	0.05	0.04	0.05	0.04	0.05	0.04	0.02	0.03	0.04	0.05	0.06
Average Scripts PMPY for Misc. Antibiotics of Concern																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
10-17	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
18-34	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
35-49	M	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
50-64	M	0.02	0.02	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.01						
	F	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01						
	M&F	0.01	0.02	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01						
65-74	M	0.01	0.05	0.00	0.00	0.02	0.00	0.00	0.03	0.04	0.02						
	F	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01						
	M&F	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.02	0.01						
75-84	M	0.18	0.00	0.00	0.00	0.03	0.00	0.00	0.01	0.01	0.01						
	F	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00						
	M&F	0.06	0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.00	0.00						
≥85	M	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	F	0.06	0.03	0.00	0.06	0.00	0.00		0.02	0.00	0.00						
	M&F	0.05	0.03	0.00	0.05	0.00	0.00		0.01	0.00	0.00						

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Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Unknown	M																
	F																
	M&F																
Total	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All Other Antibiotics Utilization																	
Average Scripts PMPY for Absorbable Sulfonamides																	
0-9	M	0.04	0.03	0.04	0.06	0.04	0.05	0.10	0.04	0.03	0.04						
	F	0.08	0.06	0.06	0.09	0.06	0.08	0.13	0.07	0.06	0.07						
	M&F	0.06	0.04	0.05	0.07	0.05	0.07	0.12	0.06	0.05	0.06						
10-17	M	0.04	0.03	0.03	0.06	0.04	0.04	0.07	0.04	0.04	0.03						
	F	0.08	0.08	0.06	0.11	0.07	0.07	0.14	0.09	0.08	0.06						
	M&F	0.06	0.05	0.05	0.08	0.05	0.06	0.09	0.07	0.06	0.05						
18-34	M	0.08	0.07	0.06	0.07	0.06	0.05	0.05	0.07	0.07	0.05						
	F	0.16	0.14	0.13	0.15	0.15	0.13	0.10	0.13	0.14	0.12						
	M&F	0.13	0.12	0.11	0.13	0.13	0.11	0.07	0.11	0.12	0.10						
35-49	M	0.11	0.12	0.10	0.11	0.10	0.10	0.02	0.11	0.11	0.09						
	F	0.16	0.15	0.14	0.16	0.16	0.14	0.04	0.15	0.16	0.14						
	M&F	0.14	0.14	0.13	0.14	0.14	0.13	0.03	0.13	0.14	0.13						
50-64	M	0.12	0.16	0.12	0.13	0.12	0.09	0.06	0.13	0.16	0.10						
	F	0.14	0.19	0.13	0.14	0.15	0.13	0.07	0.16	0.18	0.13						
	M&F	0.13	0.18	0.12	0.13	0.14	0.11	0.07	0.15	0.17	0.12						
65-74	M	0.14	0.21	0.09	0.02	0.04	0.02	0.29	0.15	0.11	0.08						
	F	0.22	0.30	0.15	0.02	0.03	0.03	0.16	0.19	0.16	0.14						
	M&F	0.19	0.26	0.13	0.02	0.03	0.02	0.22	0.17	0.14	0.12						
75-84	M	0.15	0.18	0.12	0.00	0.00	0.00	0.00	0.10	0.07	0.05						
	F	0.22	0.22	0.21	0.00	0.07	0.01	0.00	0.13	0.10	0.06						
	M&F	0.20	0.21	0.18	0.00	0.05	0.01	0.00	0.12	0.09	0.05						
≥85	M	0.12	0.07	0.10	0.23	0.00	0.00		0.03	0.04	0.04						
	F	0.18	0.23	0.11	0.05	0.02	0.00		0.08	0.04	0.03						
	M&F	0.17	0.20	0.11	0.08	0.01	0.00		0.07	0.04	0.03						

APPENDIX A | Utilization Measure Medicaid Results and Benchmarks

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Unknown	M																
	F																
	M&F																
Total	M	0.06	0.06	0.05	0.07	0.05	0.05	0.07	0.06	0.06	0.05	0.07	0.03	0.04	0.05	0.06	0.09
	F	0.12	0.11	0.10	0.13	0.11	0.11	0.12	0.12	0.11	0.10	0.11	0.06	0.07	0.09	0.12	0.15
	M&F	0.10	0.09	0.08	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09	0.05	0.06	0.07	0.09
Average Scripts PMPY for Aminoglycosides																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
10-17	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
18-34	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
35-49	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
50-64	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00						
65-74	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00						
	F	0.04	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01						
	M&F	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
75-84	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01						
	F	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
≥85	M	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	F	0.00	0.03	0.00	0.00	0.00	0.00		0.00	0.01	0.00						
	M&F	0.00	0.02	0.00	0.00	0.00	0.00		0.00	0.01	0.00						
Unknown	M																
	F																
	M&F																

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Total	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Scripts PMPY for 1st Generation Cephalosporins																	
0-9	M	0.04	0.06	0.03	0.06	0.06	0.05	0.06	0.05	0.07	0.04						
	F	0.06	0.07	0.04	0.07	0.08	0.06	0.07	0.06	0.07	0.04						
	M&F	0.05	0.07	0.04	0.06	0.07	0.05	0.06	0.05	0.07	0.04						
10-17	M	0.05	0.06	0.04	0.06	0.06	0.05	0.06	0.05	0.06	0.04						
	F	0.06	0.07	0.04	0.08	0.07	0.06	0.07	0.06	0.07	0.05						
	M&F	0.06	0.06	0.04	0.07	0.06	0.05	0.06	0.05	0.07	0.04						
18-34	M	0.05	0.06	0.05	0.06	0.06	0.05	0.04	0.05	0.06	0.05						
	F	0.11	0.12	0.10	0.12	0.12	0.11	0.06	0.10	0.11	0.09						
	M&F	0.09	0.10	0.08	0.10	0.10	0.10	0.05	0.08	0.10	0.08						
35-49	M	0.07	0.09	0.07	0.08	0.08	0.07	0.02	0.07	0.08	0.08						
	F	0.09	0.12	0.09	0.11	0.12	0.10	0.02	0.10	0.11	0.09						
	M&F	0.09	0.11	0.09	0.10	0.11	0.10	0.02	0.09	0.11	0.09						
50-64	M	0.09	0.12	0.09	0.08	0.09	0.09	0.04	0.10	0.11	0.10						
	F	0.10	0.15	0.10	0.12	0.12	0.12	0.04	0.13	0.13	0.13						
	M&F	0.09	0.14	0.09	0.10	0.11	0.10	0.04	0.12	0.12	0.11						
65-74	M	0.17	0.21	0.10	0.01	0.05	0.02	0.10	0.11	0.09	0.10						
	F	0.08	0.32	0.10	0.02	0.03	0.08	0.00	0.17	0.15	0.14						
	M&F	0.12	0.28	0.10	0.01	0.04	0.06	0.04	0.15	0.13	0.13						
75-84	M	0.18	0.21	0.28	0.00	0.00	0.00	0.00	0.08	0.11	0.09						
	F	0.21	0.21	0.20	0.04	0.00	0.01	0.00	0.11	0.09	0.06						
	M&F	0.20	0.21	0.22	0.03	0.00	0.01	0.00	0.10	0.09	0.07						
≥85	M	0.00	0.21	0.00	0.00	0.72	0.42		0.09	0.03	0.03						
	F	0.14	0.24	0.00	0.08	0.00	0.03		0.08	0.05	0.06						
	M&F	0.12	0.24	0.00	0.07	0.15	0.09		0.09	0.05	0.06						
Unknown	M																
	F																
	M&F																
Total	M	0.05	0.07	0.04	0.06	0.06	0.05	0.05	0.06	0.07	0.05	0.06	0.04	0.04	0.06	0.07	0.09
	F	0.08	0.10	0.07	0.10	0.10	0.08	0.06	0.09	0.09	0.07	0.09	0.05	0.06	0.08	0.10	0.13
	M&F	0.07	0.09	0.06	0.08	0.08	0.07	0.06	0.07	0.08	0.06	0.07	0.04	0.05	0.07	0.08	0.11

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
Average Scripts PMPY for Lincosamides																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
10-17	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
18-34	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
35-49	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
50-64	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
65-74	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
75-84	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
≥85	M	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
Unknown	M																
	F																
	M&F																
Total	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Scripts PMPY for Macrolides (not azith. or clarith.)																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
10-17	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
18-34	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
35-49	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
50-64	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
65-74	M	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00						
	M&F	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
75-84	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00						
	F	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00						
≥85	M	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	F	0.00	0.02	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
	M&F	0.00	0.01	0.00	0.00	0.00	0.00		0.00	0.00	0.00						
Unknown	M																
	F																
	M&F																
Total	M	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Scripts PMPY for Penicillins																	
0-9	M	0.48	0.47	0.35	0.60	0.49	0.43	0.47	0.47	0.52	0.40						
	F	0.49	0.47	0.35	0.62	0.50	0.44	0.51	0.48	0.52	0.39						
	M&F	0.48	0.47	0.35	0.61	0.50	0.43	0.49	0.47	0.52	0.40						
10-17	M	0.21	0.19	0.14	0.26	0.19	0.17	0.21	0.19	0.20	0.15						
	F	0.27	0.24	0.18	0.31	0.23	0.21	0.27	0.24	0.25	0.18						
	M&F	0.24	0.21	0.16	0.28	0.21	0.19	0.23	0.21	0.22	0.16						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
18-34	M	0.14	0.12	0.11	0.15	0.12	0.13	0.10	0.12	0.12	0.10						
	F	0.24	0.22	0.22	0.27	0.24	0.26	0.14	0.21	0.22	0.20						
	M&F	0.20	0.20	0.19	0.24	0.21	0.23	0.12	0.18	0.19	0.17						
35-49	M	0.13	0.13	0.16	0.17	0.16	0.17	0.09	0.14	0.15	0.14						
	F	0.19	0.20	0.20	0.23	0.21	0.26	0.09	0.18	0.20	0.20						
	M&F	0.17	0.18	0.19	0.22	0.20	0.24	0.09	0.17	0.18	0.18						
50-64	M	0.10	0.15	0.13	0.18	0.19	0.19	0.07	0.13	0.14	0.16						
	F	0.15	0.21	0.18	0.22	0.20	0.23	0.16	0.17	0.16	0.21						
	M&F	0.13	0.18	0.16	0.21	0.19	0.21	0.11	0.15	0.15	0.19						
65-74	M	0.18	0.23	0.31	0.04	0.13	0.10	0.00	0.14	0.13	0.16						
	F	0.28	0.29	0.26	0.04	0.05	0.03	0.08	0.18	0.14	0.18						
	M&F	0.24	0.27	0.28	0.04	0.08	0.05	0.04	0.16	0.13	0.17						
75-84	M	0.12	0.08	0.09	0.00	0.00	0.00	0.00	0.12	0.03	0.03						
	F	0.08	0.18	0.16	0.01	0.04	0.01	0.00	0.12	0.08	0.08						
	M&F	0.10	0.15	0.14	0.01	0.03	0.01	0.00	0.12	0.07	0.07						
≥85	M	0.12	0.21	0.10	0.00	0.00	0.00		0.06	0.02	0.01						
	F	0.04	0.09	0.19	0.06	0.05	0.05		0.05	0.03	0.02						
	M&F	0.05	0.11	0.17	0.05	0.04	0.05		0.05	0.03	0.02						
Unknown	M																
	F																
	M&F																
Total	M	0.27	0.29	0.23	0.38	0.30	0.28	0.27	0.27	0.32	0.25	0.28	0.17	0.22	0.26	0.33	0.39
	F	0.30	0.30	0.25	0.37	0.31	0.30	0.31	0.27	0.31	0.25	0.30	0.20	0.25	0.29	0.35	0.41
	M&F	0.29	0.30	0.24	0.37	0.30	0.29	0.28	0.27	0.31	0.25	0.29	0.19	0.24	0.28	0.34	0.40
Average Scripts PMPY for Tetracyclines																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
10-17	M	0.03	0.04	0.03	0.06	0.02	0.04	0.06	0.05	0.04	0.04						
	F	0.04	0.04	0.03	0.07	0.03	0.05	0.05	0.05	0.04	0.04						
	M&F	0.04	0.04	0.03	0.06	0.03	0.05	0.06	0.05	0.04	0.04						
18-34	M	0.04	0.05	0.04	0.06	0.04	0.06	0.07	0.06	0.05	0.05						
	F	0.07	0.06	0.07	0.08	0.06	0.08	0.05	0.07	0.07	0.07						
	M&F	0.06	0.06	0.06	0.07	0.05	0.08	0.06	0.07	0.06	0.06						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
35-49	M	0.06	0.06	0.07	0.07	0.05	0.08	0.04	0.06	0.06	0.07						
	F	0.09	0.09	0.09	0.10	0.08	0.11	0.01	0.10	0.09	0.09						
	M&F	0.08	0.08	0.08	0.09	0.07	0.10	0.02	0.09	0.08	0.08						
50-64	M	0.07	0.09	0.07	0.09	0.07	0.09	0.09	0.10	0.10	0.09						
	F	0.10	0.12	0.09	0.13	0.10	0.11	0.09	0.15	0.13	0.10						
	M&F	0.08	0.10	0.08	0.11	0.09	0.10	0.09	0.13	0.11	0.10						
65-74	M	0.13	0.11	0.09	0.01	0.01	0.02	0.00	0.14	0.06	0.10						
	F	0.15	0.17	0.16	0.02	0.02	0.01	0.08	0.18	0.13	0.09						
	M&F	0.14	0.15	0.13	0.02	0.02	0.01	0.04	0.17	0.11	0.09						
75-84	M	0.18	0.18	0.40	0.01	0.00	0.00	0.00	0.13	0.06	0.03						
	F	0.25	0.10	0.07	0.01	0.01	0.00	0.00	0.15	0.06	0.05						
	M&F	0.23	0.12	0.17	0.01	0.01	0.00	0.00	0.15	0.06	0.04						
≥85	M	0.36	0.07	0.20	0.00	0.00	0.00		0.07	0.04	0.03						
	F	0.10	0.18	0.21	0.00	0.00	0.00		0.05	0.02	0.02						
	M&F	0.14	0.16	0.21	0.00	0.00	0.00		0.05	0.02	0.02						
Unknown	M																
	F																
	M&F																
Total	M	0.03	0.03	0.02	0.04	0.02	0.03	0.04	0.04	0.03	0.03	0.04	0.02	0.03	0.03	0.04	0.06
	F	0.05	0.05	0.05	0.06	0.04	0.06	0.03	0.07	0.05	0.05	0.06	0.03	0.04	0.05	0.07	0.08
	M&F	0.04	0.04	0.04	0.05	0.03	0.05	0.04	0.06	0.04	0.04	0.05	0.02	0.03	0.04	0.06	0.07
Average Scripts PMPY for Misc. Antibiotics																	
0-9	M	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
	F	0.01	0.01	0.00	0.01	0.01	0.00	0.02	0.01	0.01	0.00						
	M&F	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00						
10-17	M	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00						
	F	0.04	0.05	0.04	0.06	0.04	0.06	0.09	0.05	0.04	0.04						
	M&F	0.02	0.03	0.02	0.03	0.02	0.03	0.04	0.03	0.02	0.02						
18-34	M	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02						
	F	0.27	0.29	0.41	0.28	0.31	0.38	0.17	0.22	0.27	0.32						
	M&F	0.19	0.21	0.31	0.22	0.23	0.29	0.08	0.16	0.20	0.24						
35-49	M	0.03	0.04	0.04	0.03	0.03	0.03	0.01	0.02	0.03	0.03						
	F	0.16	0.21	0.27	0.17	0.19	0.27	0.05	0.15	0.20	0.22						
	M&F	0.11	0.16	0.20	0.13	0.14	0.22	0.03	0.11	0.15	0.17						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles					
												Mean	P10	P25	P50	P75	P90
50-64	M	0.04	0.05	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.04						
	F	0.12	0.16	0.15	0.14	0.13	0.16	0.14	0.14	0.17	0.14						
	M&F	0.08	0.11	0.10	0.10	0.09	0.12	0.08	0.09	0.11	0.10						
65-74	M	0.03	0.03	0.05	0.00	0.08	0.02	0.00	0.08	0.05	0.04						
	F	0.17	0.14	0.14	0.05	0.04	0.02	0.00	0.18	0.14	0.14						
	M&F	0.11	0.10	0.11	0.03	0.05	0.02	0.00	0.14	0.11	0.10						
75-84	M	0.09	0.07	0.00	0.00	0.24	0.00	0.00	0.04	0.07	0.01						
	F	0.30	0.15	0.27	0.00	0.03	0.02	0.00	0.19	0.10	0.10						
	M&F	0.23	0.12	0.19	0.00	0.09	0.02	0.00	0.15	0.09	0.07						
≥85	M	0.00	0.00	0.00	0.00	0.00	0.00		0.04	0.02	0.02						
	F	0.20	0.30	0.00	0.00	0.00	0.05		0.07	0.07	0.04						
	M&F	0.17	0.24	0.00	0.00	0.00	0.05		0.07	0.06	0.04						
Unknown	M																
	F																
	M&F																
Total	M	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03
	F	0.13	0.14	0.20	0.14	0.14	0.18	0.09	0.11	0.13	0.14	0.13	0.08	0.09	0.12	0.15	0.19
	M&F	0.08	0.08	0.12	0.09	0.09	0.11	0.04	0.07	0.08	0.09	0.08	0.05	0.06	0.07	0.09	0.11

Standardize Healthcare-Associated Infection Ratio (HAI):
For HAI-1: Central line-associated blood stream infection (CLABSI); HAI-2: Catheter-associated urinary tract infection (CAUTI); HAI-5: MRSA bloodstream infection (MRSA) and HAI-6: Clostridium difficile intestinal infection (CDIFF)

Percentage of Total Discharges From High SIR Hospitals

CLABSI		0.22	0.33	0.39	0.29	0.40	0.36	0.32	0.33	0.33	0.46						
CAUTI		0.15	0.21	0.19	0.30	0.33	0.13	0.35	0.35	0.25	0.47						
MRSA		0.12	0.09	0.24	0.28	0.09	0.27	0.11	0.28	0.23	0.46						
CDIFF		0.14	0.45	0.22	0.13	0.48	0.39	0.11	0.25	0.56	0.09						

Percentage of Total Discharges From Moderate SIR Hospitals

CLABSI		0.01	0.17	0.01	0.00	0.16	0.01	0.02	0.01	0.15	0.00						
CAUTI		0.01	0.09	0.25	0.01	0.11	0.32	0.04	0.02	0.14	0.00						
MRSA		0.01	0.16	0.00	0.02	0.20	0.00	0.02	0.00	0.13	0.01						
CDIFF		0.22	0.02	0.11	0.34	0.03	0.14	0.09	0.29	0.07	0.00						

Table A. HEDIS 2017 Medicaid Plan-Specific Rates with HEDIS 2016 National Benchmarks: Utilization Measures

Measure by Age	Sex	AGE	AGM	AGW	BCE	BCM	BCW	TCS	UHCE	UHCM	UHCW	2016 National Medicaid Means and Percentiles						
												Mean	P10	P25	P50	P75	P90	
Percentage of Total Discharges From Low SIR Hospitals																		
CLABSI		0.31	0.19	0.23	0.41	0.22	0.36	0.20	0.38	0.40	0.24							
CAUTI		0.46	0.43	0.21	0.48	0.37	0.32	0.18	0.51	0.54	0.33							
MRSA		0.37	0.37	0.36	0.39	0.40	0.41	0.40	0.36	0.36	0.02							
CDIFF		0.27	0.27	0.34	0.32	0.31	0.29	0.36	0.35	0.32	0.81							
Percentage of Total Discharges From Hospitals With Unavailable SIR																		
CLABSI		0.46	0.30	0.37	0.30	0.22	0.28	0.46	0.28	0.12	0.29							
CAUTI		0.38	0.27	0.35	0.22	0.20	0.23	0.44	0.12	0.07	0.20							
MRSA		0.49	0.39	0.40	0.32	0.31	0.32	0.47	0.36	0.27	0.51							
CDIFF		0.37	0.27	0.32	0.21	0.17	0.19	0.43	0.11	0.05	0.09							

APPENDIX B | HEDIS 2016 National Medicaid Means and Percentiles

Table B. HEDIS 2016 National Medicaid Means and Percentiles						
Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
<i>HEDIS Effectiveness of Care Measures</i>						
<i>Prevention and Screening</i>						
Adult BMI Assessment (ABA)	80.77%	69.47%	77.13%	84.54%	89.35%	92.54%
Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents (WCC):						
BMI Percentile: 3–11 years	64.83%	41.32%	55.03%	68.22%	78.38%	86.30%
12–17 years	63.19%	39.16%	51.63%	65.74%	76.76%	85.16%
Total	64.37%	40.14%	54.50%	67.54%	77.78%	86.37%
Counseling for Nutrition: 3–11 years	61.62%	43.53%	53.03%	63.33%	73.36%	80.22%
12–17 years	57.30%	40.15%	47.83%	57.35%	68.39%	78.69%
Total	60.22%	42.92%	51.84%	62.65%	70.88%	79.52%
Counseling for Physical Activity: 3–11 years	52.40%	35.59%	43.61%	53.99%	62.19%	71.30%
12–17 years	55.24%	37.04%	46.51%	55.75%	65.36%	74.62%
Total	53.44%	35.90%	45.09%	55.38%	63.47%	71.58%
Childhood Immunization Status (CIS):						
DTaP/DT	76.33%	66.89%	72.51%	77.97%	82.24%	85.15%
IPV	87.70%	81.02%	86.09%	89.78%	92.46%	93.79%
MMR	89.21%	83.76%	87.86%	90.47%	92.70%	94.25%
HiB	87.62%	81.01%	85.95%	89.37%	91.97%	93.67%
HepB	87.70%	79.16%	85.64%	90.05%	93.19%	94.81%
VZV	88.79%	83.56%	87.27%	89.97%	92.49%	93.95%
PCV	76.53%	66.24%	72.75%	78.59%	82.64%	85.40%
HepA	83.70%	74.51%	79.69%	84.91%	88.89%	91.85%
RV	67.94%	54.50%	63.46%	69.34%	74.25%	79.12%

Table B. HEDIS 2016 National Medicaid Means and Percentiles

Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Influenza	45.74%	28.32%	36.34%	45.99%	54.01%	63.09%
Combination 2	72.46%	62.86%	68.03%	75.18%	78.59%	82.88%
Combination 3	68.99%	57.84%	64.30%	71.06%	75.60%	79.81%
Combination 4	65.91%	54.30%	60.81%	67.96%	72.54%	78.06%
Combination 5	57.21%	43.27%	52.55%	58.98%	63.77%	69.06%
Combination 6	39.01%	22.87%	30.61%	39.14%	46.47%	54.50%
Combination 7	55.17%	41.28%	49.82%	56.85%	61.92%	67.88%
Combination 8	38.01%	21.65%	29.36%	38.20%	45.99%	53.01%
Combination 9	33.86%	18.73%	25.78%	33.10%	41.57%	46.89%
Combination 10	33.24%	18.00%	25.99%	32.64%	40.91%	46.47%
Immunizations for Adolescents (IMA):						
Meningococcal	74.79%	58.48%	67.26%	77.21%	84.47%	88.52%
Tdap/Td	83.36%	73.48%	81.28%	86.14%	89.92%	91.75%
HPV*	22.71%	13.64%	17.66%	22.30%	27.09%	32.25%
Combination 1	72.66%	56.90%	66.03%	74.52%	82.09%	86.57%
Combination 2**						
Lead Screening in Children (LSC)	66.50%	40.28%	56.44%	71.05%	79.50%	84.77%
Breast Cancer Screening (BCS)	58.50%	47.21%	52.24%	58.08%	65.30%	71.52%
Cervical Cancer Screening (CCS)	55.85%	41.12%	48.18%	55.94%	63.88%	69.95%
Chlamydia Screening in Women (CHL):						
16–20 years	51.49%	39.57%	43.87%	50.56%	58.45%	66.67%
21–24 years	60.65%	48.51%	54.76%	61.37%	67.95%	72.06%
Total	55.27%	43.07%	48.83%	55.16%	61.63%	68.92%
Respiratory Conditions						
Appropriate Testing for Children With Pharyngitis (CWP)	71.12%	55.08%	63.24%	71.62%	81.01%	86.59%

Table B. HEDIS 2016 National Medicaid Means and Percentiles						
Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)	30.96%	21.59%	25.81%	30.26%	35.43%	40.54%
Pharmacotherapy Management of COPD Exacerbation (PCE):						
Systemic Corticosteroid	67.10%	48.84%	61.44%	70.39%	75.48%	79.07%
Bronchodilator	79.92%	66.11%	77.05%	83.70%	86.75%	88.78%
Medication Management for People With Asthma (MMA):						
Medication Compliance 50%***: 5–11 years						
12–18 years						
19–50 years						
51–64 years						
Total						
Medication Compliance 75%: 5–11 years	28.33%	17.13%	20.98%	25.88%	34.24%	41.18%
12–18 years	26.33%	14.84%	19.20%	25.00%	30.65%	37.63%
19–50 years	37.72%	25.18%	31.26%	36.25%	43.08%	50.98%
51–64 years	50.01%	39.66%	43.14%	49.48%	55.56%	62.75%
Total	32.67%	19.64%	25.08%	31.28%	37.50%	46.72%
Asthma Medical Ratio (AMR):						
5–11 years	70.15%	56.36%	65.00%	71.74%	76.39%	82.70%
12–18 years	59.13%	46.77%	53.67%	60.50%	65.45%	69.65%
19–50 years	48.90%	38.05%	44.13%	49.00%	55.09%	58.96%
51–64 years	51.72%	40.64%	45.35%	52.03%	59.18%	63.64%
Total	59.67%	46.83%	54.55%	61.26%	65.36%	70.00%
Cardiovascular Conditions						
Controlling High Blood Pressure (CBP)	54.74%	39.41%	46.87%	54.78%	63.99%	70.69%
Persistence of Beta-Blocker Treatment After a Heart Attack (PBH)	80.43%	64.04%	76.92%	83.06%	88.30%	91.67%

Table B. HEDIS 2016 National Medicaid Means and Percentiles

Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Statin Therapy for Patients with Cardiovascular disease (SPC) †:						
Received Statin Therapy: Males 21-75 years						
Received Statin Therapy: Females 40 -75 years						
Received Statin Therapy: Total						
Statin Adherence 80%: Males 21-75 years						
Statin Adherence 80%: Females 40 -75 years						
Statin Adherence 80%: Total						
Diabetes						
Comprehensive Diabetes Care (CDC):						
HbA1c Testing	85.94%	79.56%	82.98%	85.95%	89.42%	92.88%
HbA1c Control (<7.0%)	32.36%	23.52%	29.27%	33.82%	38.31%	40.43%
HbA1c Control (<8.0%)	45.54%	31.16%	39.80%	46.76%	52.55%	58.39%
Retinal Eye Exam Performed	52.68%	35.64%	44.53%	53.28%	61.50%	68.11%
Medical Attention for Nephropathy	90.01%	85.94%	88.32%	90.51%	91.97%	93.56%
Blood Pressure Control (<140/90 mm Hg)	59.04%	43.75%	52.26%	59.73%	68.61%	75.73%
Statin Therapy for Patients with Diabetes (SPD) †:						
Received Statin Therapy: 40 -75 years						
Statin Adherence 80%: 40 -75 years						
Musculoskeletal Conditions						
Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis (ART)	71.69%	57.36%	65.67%	72.22%	79.20%	85.71%
Behavioral Health						
Antidepressant Medication Management (AMM):						
Effective Acute Phase Treatment	54.45%	44.00%	48.32%	53.38%	59.52%	67.57%
Effective Continuation Phase Treatment	39.44%	28.11%	32.77%	38.06%	43.39%	54.30%
Follow-Up Care for Children Prescribed ADHD Medication (ADD):						
Initiation Phase	42.20%	28.77%	34.16%	42.19%	49.55%	55.48%
Continuation and Maintenance Phase	50.93%	33.96%	40.91%	52.47%	62.50%	67.23%

Table B. HEDIS 2016 National Medicaid Means and Percentiles						
Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Follow-Up After Hospitalization for Mental Illness (FUH):						
7-Day Follow-Up	43.71%	24.71%	34.23%	44.05%	55.34%	64.23%
30-Day Follow-Up	61.29%	41.31%	54.58%	63.94%	72.56%	78.52%
Follow-Up After Emergency Department Visit for Mental Illness (FUM)**:						
7-Day Follow-Up						
30-Day Follow-Up						
Follow-Up After Emergency Department Visit for Alcohol and Other Drug Dependence (FUA)**:						
7-Day Follow-Up: 13–17 years						
18 years and older						
Total						
30-Day Follow-Up: 13–17 years						
18 years and older						
Total						
Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medications (SSD)	80.37%	72.35%	76.99%	80.72%	84.01%	87.17%
Diabetes Monitoring for People With Diabetes and Schizophrenia (SMD)	68.20%	57.45%	62.69%	68.93%	74.55%	78.26%
Cardiovascular Monitoring for People With Cardio-vascular Disease and Schizophrenia (SMC)	78.47%	65.38%	73.89%	80.00%	83.75%	88.37%
Adherence to Antipsychotic Medications for Individuals With Schizophrenia (SAA)	57.88%	42.86%	52.80%	59.79%	65.44%	70.88%
Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM):						
1–5 Years	16.70%	6.06%	10.26%	15.33%	20.00%	31.25%
6–11 Years	26.16%	17.02%	21.21%	25.19%	29.73%	36.67%
12–17 Years	32.05%	20.42%	26.39%	32.33%	37.31%	43.48%
Total	29.84%	18.57%	23.89%	29.63%	34.93%	42.33%

Table B. HEDIS 2016 National Medicaid Means and Percentiles

Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Medication Management						
Annual Monitoring for Patients on Persistent Medications (MPM):						
ACE Inhibitors or ARBs	87.51%	83.31%	85.63%	87.43%	89.92%	92.13%
Digoxin	54.01%	46.15%	49.57%	53.94%	58.55%	61.98%
Diuretics	87.49%	83.33%	85.18%	87.52%	90.00%	92.28%
Total	87.28%	83.16%	85.19%	87.23%	89.56%	91.84%
Overuse/Appropriateness						
Appropriate Treatment for Children With Upper Respiratory Infection (URI)	87.76%	76.23%	84.92%	89.39%	93.38%	96.08%
Avoidance of Antibiotic Treatment in Adults With Acute Bronchitis (AAB)	28.09%	19.38%	22.12%	26.17%	32.51%	38.91%
Use of Imaging Studies for Low Back Pain (LBP)	73.57%	66.04%	69.88%	73.71%	77.09%	81.42%
Measures Collected Though CAHPS						
Flu vaccinations for adults ages 18 to 64 (FVA)	38.46%	28.70%	33.79%	38.03%	43.54%	48.01%
Medical Assistance With Smoking Cessation (MSC):						
Advising Smokers and Tobacco Users to Quit	75.89%	67.83%	73.14%	76.59%	79.36%	81.85%
Discussing Cessation Medications	48.12%	36.67%	43.01%	48.31%	53.85%	58.39%
Discussing Cessation Strategies	43.28%	34.00%	38.86%	43.82%	47.83%	51.75%
Supplemental Data - % Current Smokers	31.02%	17.50%	22.97%	31.68%	39.01%	43.79%
HEDIS Effectiveness of Care Measures Where Lower Rates Indicated Better Performance						
Diabetes						
Comprehensive Diabetes Care (CDC):						
HbA1c Poor Control (>9.0%)	45.35%	61.31%	52.31%	43.80%	36.87%	29.23%
Overuse/Appropriateness						
Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)	2.71%	5.35%	3.77%	2.42%	1.42%	0.85%

Table B. HEDIS 2016 National Medicaid Means and Percentiles

Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC):						
1-5 Years	0.66%	2.86%	1.96%	0.00%	0.00%	0.00%
6-11 Years	1.82%	3.75%	2.74%	1.56%	0.63%	0.00%
12-17 Years	3.00%	6.29%	3.97%	2.53%	1.41%	0.00%
Total	2.49%	5.30%	3.14%	1.99%	1.17%	0.00%
HEDIS Access/Availability of Care Measures						
Adults' Access to Preventive/Ambulatory Health Services (AAP):						
20-44 years	77.27%	63.73%	73.35%	79.48%	83.42%	86.04%
45-64 years	85.52%	76.95%	82.49%	86.83%	89.78%	91.57%
Children and Adolescents' Access to Primary Care Practitioners (CAP):						
12-24 months	94.69%	89.89%	93.14%	95.74%	97.28%	97.85%
25 months-6 years	87.24%	81.16%	84.83%	87.69%	90.98%	93.34%
7-11 years	90.23%	84.16%	87.91%	91.00%	93.25%	96.10%
12-19 years	88.60%	83.13%	85.84%	89.37%	92.67%	94.69%
Initiation and Engagement of Alcohol and Other Drug (AOD) Dependence Treatment (IET):						
Initiation of AOD Treatment: 13-17 years	42.25%	27.49%	35.94%	42.75%	50.00%	52.99%
≥18 years	37.94%	30.00%	34.17%	37.78%	42.67%	46.16%
Total	38.23%	30.21%	34.37%	38.07%	42.82%	46.56%
Engagement of AOD Treatment: 13-17 years	15.44%	7.43%	9.18%	13.53%	21.46%	26.70%
≥18 years	9.69%	4.16%	6.33%	9.29%	12.32%	16.65%
Total	10.23%	4.42%	6.92%	9.63%	13.20%	16.93%
Prenatal and Postpartum Care (PPC):						
Timeliness of Prenatal Care	80.03%	66.91%	74.21%	82.25%	87.56%	91.00%
Postpartum Care	60.93%	48.94%	55.47%	60.98%	67.53%	73.61%

Table B. HEDIS 2016 National Medicaid Means and Percentiles						
Measure	Mean	Percentile				
		10th	25th	50th	75th	90th
Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP):						
1-5 Years	49.04%	33.33%	40.48%	45.45%	62.99%	66.67%
6-11 Years	58.83%	36.03%	47.96%	61.54%	68.35%	77.78%
12-17 Years	59.12%	39.84%	50.57%	61.20%	68.25%	76.47%
Total	57.44%	36.73%	48.83%	60.43%	68.57%	74.34%
HEDIS Utilization and Relative Resource Use Measures						
Utilization						
Frequency of Ongoing Prenatal Care (FPC):						
<21%	11.96%	2.87%	4.87%	8.22%	14.69%	23.60%
21–40%	7.26%	2.33%	3.95%	5.82%	9.02%	13.93%
41–60%	8.59%	4.65%	6.03%	7.92%	10.46%	12.99%
61–80%	15.23%	10.48%	12.58%	14.95%	17.95%	20.45%
≥81%	56.61%	32.79%	45.72%	59.26%	69.54%	75.77%
Well-Child Visits in the First 15 Months of Life (W15):						
0 Visits	2.62%	0.44%	0.93%	1.71%	3.24%	5.77%
1 Visits	2.30%	0.70%	1.26%	1.95%	2.92%	4.12%
2 Visits	3.45%	1.23%	2.06%	3.19%	4.62%	5.84%
3 Visits	5.54%	2.66%	3.72%	5.42%	6.98%	8.57%
4 Visits	9.64%	6.01%	7.54%	9.16%	11.30%	13.40%
5 Visits	17.11%	12.02%	14.29%	16.49%	19.23%	23.72%
6 or More Visits	59.35%	45.38%	53.49%	59.57%	67.76%	73.88%
Well-Child Visits in the Third, Fourth, Fifth and Sixth Years of Life (W34)	71.27%	60.64%	64.72%	71.42%	77.57%	82.97%
Adolescent Well-Care Visits (AWC)	48.89%	32.26%	40.88%	48.41%	57.66%	66.04%

*For HEDIS 2017, the HPV measure was integrated into the IMA measure for reporting purposes and expanded to both genders.

**First-year measure.

***Benchmarks are currently not reported by Quality Compass for this rate.

†Benchmarks are not reported by Quality Compass for 2016 first-year measures.

APPENDIX C | MCO Medicaid Population in Member Months

Table C1. HEDIS 2017 MCO Medicaid Population Reported in Member Months by Age and Sex—AG

Age Group	AGE			AGM			AGW		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<1	24,463	22,860	47,323	37,943	36,655	74,598	27,484	25,991	53,475
1–4	93,348	87,156	180,504	152,175	145,968	298,143	104,614	100,080	204,694
5–9	118,823	114,341	233,164	168,907	164,673	333,580	125,679	126,475	252,154
10–14	122,898	117,959	240,857	119,236	118,151	237,387	105,541	106,015	211,556
15–17	43,325	43,277	86,602	75,338	74,823	150,161	41,396	41,985	83,381
18–19	33,513	31,438	64,951	36,986	42,086	79,072	30,829	31,683	62,512
0–19 Subtotal	436,370	417,031	853,401	590,585	582,356	1,172,941	435,543	432,229	867,772
	65.33%	49.24%	56.33%	72.15%	52.27%	60.69%	71.95%	49.21%	58.48%
20–24	48,624	84,095	132,719	38,676	90,149	128,825	48,242	89,064	137,306
25–29	30,795	98,381	129,176	21,882	94,398	116,280	18,406	124,726	143,132
30–34	31,163	69,978	101,141	27,617	96,900	124,517	18,059	73,645	91,704
35–39	27,994	52,285	80,279	29,735	82,943	112,678	17,276	42,446	59,722
40–44	21,836	39,031	60,867	25,495	53,550	79,045	12,674	32,340	45,014
20–44 Subtotal	160,412	343,770	504,182	143,405	417,940	561,345	114,657	362,221	476,878
	24.02%	40.59%	33.28%	17.52%	37.51%	29.04%	18.94%	41.24%	32.14%
45–49	18,559	29,250	47,809	21,114	33,595	54,709	10,718	26,393	37,111
50–54	19,027	23,929	42,956	20,276	26,347	46,623	12,950	21,789	34,739
55–59	19,065	18,385	37,450	19,647	22,073	41,720	16,746	19,106	35,852
60–64	12,086	10,653	22,739	14,334	16,064	30,398	12,239	11,630	23,869
45–64 Subtotal	68,737	82,217	150,954	75,371	98,079	173,450	52,653	78,918	131,571
	10.29%	9.71%	9.96%	9.21%	8.80%	8.97%	8.70%	8.98%	8.87%

Table C1. HEDIS 2017 MCO Medicaid Population Reported in Member Months by Age and Sex—AG

Age Group	AGE			AGM			AGW		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
65–69	1,419	1,760	3,179	4,400	6,157	10,557	1,472	2,482	3,954
70–74	467	721	1,188	2,551	3,839	6,390	492	1,098	1,590
75–79	309	472	781	1,315	2,485	3,800	250	677	927
80–84	117	405	522	561	1,739	2,300	159	327	486
85–89	67	326	393	277	1,025	1,302	57	211	268
≥90	48	317	365	91	515	606	82	261	343
≥65 Subtotal	2,427	4,001	6,428	9,195	15,760	24,955	2,512	5,056	7,568
	0.36%	0.47%	0.42%	1.12%	1.41%	1.29%	0.41%	0.58%	0.51%
Total	667,946	847,019	1,514,965	818,556	1,114,135	1,932,691	605,365	878,424	1,483,789

Table C2. HEDIS 2017 MCO Medicaid Population Reported in Member Months by Age and Sex—BC and TCS

Age Group	BCE			BCM			BCW			TCS		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
<1	48,796	46,671	95,467	37,198	36,001	73,199	33,660	32,283	65,943	5,918	6,264	12,182
1–4	162,214	154,231	316,445	126,684	123,425	250,109	122,279	117,821	240,100	53,959	46,447	100,406
5–9	172,045	167,643	339,688	155,050	151,919	306,969	133,918	131,853	265,771	91,313	61,373	152,686
10–14	139,184	136,041	275,225	152,345	151,570	303,915	111,825	115,481	227,306	102,929	60,111	163,040
15–17	79,990	79,066	159,056	52,305	50,791	103,096	64,708	68,320	133,028	73,993	43,346	117,339
18–19	43,506	52,694	96,200	35,648	40,655	76,303	35,001	41,756	76,757	49,666	26,544	76,210
0–19 Subtotal	645,735	636,346	1,282,081	559,230	554,361	1,113,591	501,391	507,514	1,008,905	377,778	244,085	621,863
	72.70%	49.20%	58.77%	72.83%	51.57%	60.43%	77.08%	51.00%	61.31%	83.03%	74.39%	79.41%

Table C2. HEDIS 2017 MCO Medicaid Population Reported in Member Months by Age and Sex—BC and TCS

Age Group	BCE			BCM			BCW			TCS		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
20–24	41,502	118,561	160,063	50,182	106,280	156,462	37,866	89,125	126,991	41,282	28,732	70,014
25–29	19,629	117,713	137,342	25,294	118,819	144,113	12,104	77,428	89,532	7,039	15,515	22,554
30–34	28,870	107,716	136,586	27,032	85,857	112,889	16,459	88,808	105,267	7,326	14,027	21,353
35–39	31,933	90,945	122,878	24,962	65,065	90,027	16,409	80,822	97,231	6,691	10,852	17,543
40–44	29,801	63,107	92,908	17,980	44,977	62,957	14,112	49,332	63,444	4,949	6,349	11,298
20–44 Subtotal	151,735	498,042	649,777	145,450	420,998	566,448	96,950	385,515	482,465	67,287	75,475	142,762
	17.08%	38.50%	29.78%	18.94%	39.16%	30.74%	14.91%	38.74%	29.32%	14.79%	23.00%	18.23%
45–49	25,270	46,369	71,639	16,399	35,086	51,485	12,479	31,793	44,272	3,207	3,545	6,752
50–54	23,216	41,145	64,361	16,603	26,998	43,601	12,883	25,334	38,217	2,891	2,377	5,268
55–59	21,503	33,417	54,920	16,754	20,585	37,339	13,455	21,784	35,239	2,403	1,419	3,822
60–64	15,377	25,936	41,313	11,069	12,401	23,470	10,722	16,647	27,369	1,270	1,076	2,346
45–64 Subtotal	85,366	146,867	232,233	60,825	95,070	155,895	49,539	95,558	145,097	9,771	8,417	18,188
	9.61%	11.35%	10.64%	7.92%	8.84%	8.46%	7.62%	9.60%	8.82%	2.15%	2.57%	2.32%
65–69	2,516	5,386	7,902	1,136	1,888	3,024	1,472	2,868	4,340	109	87	196
70–74	1,592	3,120	4,712	520	752	1,272	552	1,655	2,207	32	59	91
75–79	781	1,683	2,464	309	581	890	278	802	1,080	24	12	36
80–84	320	1,198	1,518	159	586	745	174	693	867	0	0	0
85–89	114	536	650	102	419	521	84	304	388	0	0	0
≥90	58	286	344	102	346	448	2	161	163	0	0	0
≥65 Subtotal	5,381	12,209	17,590	2,328	4,572	6,900	2,562	6,483	9,045	165	158	323
	0.61%	0.94%	0.81%	0.30%	0.43%	0.37%	0.39%	0.65%	0.55%	0.04%	0.05%	0.04%
Total	888,217	1,293,464	2,181,681	767,833	1,075,001	1,842,834	650,442	995,070	1,645,512	455,001	328,135	783,136

Table C3. HEDIS 2017 MCO Medicaid Population Reported in Member Months by Age and Sex—UHC

Age Group	UHCE			UHCM			UHCW		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<1	24,549	22,878	47,427	37,273	35,880	73,153	26,290	25,434	51,724
1–4	121,480	116,400	237,880	148,550	144,341	292,891	115,750	111,303	227,053
5–9	146,083	141,688	287,771	161,500	158,038	319,538	134,452	131,987	266,439
10–14	114,191	110,672	224,863	117,453	114,847	232,300	98,567	98,804	197,371
15–17	70,709	71,962	142,671	72,832	70,665	143,497	58,891	62,010	120,901
18–19	36,885	40,580	77,465	36,773	42,157	78,930	31,422	36,293	67,715
0–19 Subtotal	513,897	504,180	1,018,077	574,381	565,928	1,140,309	465,372	465,831	931,203
	65.79%	47.55%	55.29%	72.23%	51.09%	59.92%	72.87%	50.82%	59.87%
20–24	37,801	77,258	115,059	34,397	84,622	119,019	35,464	82,374	117,838
25–29	21,789	75,040	96,829	19,189	90,763	109,952	14,507	68,534	83,041
30–34	23,601	77,040	100,641	25,195	93,877	119,072	12,608	65,855	78,463
35–39	29,327	78,660	107,987	29,394	80,108	109,502	16,911	68,399	85,310
40–44	28,994	58,575	87,569	25,114	52,344	77,458	16,240	45,757	61,997
20–44 Subtotal	141,512	366,573	508,085	133,289	401,714	535,003	95,730	330,919	426,649
	18.12%	34.57%	27.59%	16.76%	36.26%	28.11%	14.99%	36.10%	27.43%
45–49	27,143	41,210	68,353	21,794	34,640	56,434	14,816	28,277	43,093
50–54	26,122	36,241	62,363	20,112	28,200	48,312	16,783	22,934	39,717
55–59	27,480	32,068	59,548	17,587	24,596	42,183	17,504	20,548	38,052
60–64	21,857	26,742	48,599	13,867	18,536	32,403	14,608	15,367	29,975
45–64 Subtotal	102,602	136,261	238,863	73,360	105,972	179,332	63,711	87,126	150,837
	13.14%	12.85%	12.97%	9.22%	9.57%	9.42%	9.98%	9.50%	9.70%
65–69	9,206	15,489	24,695	4,575	8,896	13,471	5,588	8,392	13,980
70–74	6,058	10,772	16,830	3,935	6,903	10,838	3,415	6,619	10,034
75–79	3,836	8,562	12,398	2,418	5,439	7,857	2,178	5,078	7,256
80–84	2,110	7,423	9,533	1,773	4,798	6,571	1,354	4,740	6,094
85–89	1,187	5,727	6,914	984	4,114	5,098	831	4,204	5,035
≥90	713	5,382	6,095	528	3,971	4,499	484	3,768	4,252
≥65 Subtotal	23,110	53,355	76,465	14,213	34,121	48,334	13,850	32,801	46,651
	2.96%	5.03%	4.15%	1.79%	3.08%	2.54%	2.17%	3.58%	3.00%
Total	781,121	1,060,369	1,841,490	795,243	1,107,735	1,902,978	638,663	916,677	1,555,340

APPENDIX D | Measure Reporting Options

The reporting options are presented for each measure: administrative and/or hybrid. Currently, when the hybrid option is available, TennCare MCOs are required to use the hybrid method.

Table D. 2017 Measure reporting options: Administrative/Hybrid		
Measure	Administrative	Hybrid
<i>HEDIS Effectiveness of Care</i>		
Prevention and Screening		
Adult BMI Assessment (ABA)	✓	✓
Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents (WCC)	✓	✓
Childhood Immunization Status (CIS)	✓	✓
Immunizations for Adolescents (IMA)	✓	✓
Human Papillomavirus Vaccine for Female Adolescents (HPV)	✓	✓
Lead Screening in Children (LSC)	✓	✓
Breast Cancer Screening (BCS)	✓	
Cervical Cancer Screening (CCS)	✓	✓
Chlamydia Screening in Women (CHL)	✓	
Respiratory Conditions		
Appropriate Testing for Children With Pharyngitis (CWP)	✓	
Use of Spirometry Testing in the Assessment and Diagnosis of COPD (SPR)	✓	
Pharmacotherapy Management of COPD Exacerbation (PCE)	✓	
Medication Management for People With Asthma (MMA)	✓	
Asthma Medical Ratio (AMR)	✓	
Cardiovascular Conditions		
Controlling High Blood Pressure (CBP)		✓
Persistence of Beta-Blocker Treatment After a Heart Attack (PBH)	✓	
Statin Therapy for Patients with Cardiovascular Disease (SPC)	✓	

Table D. 2017 Measure reporting options: Administrative/Hybrid		
Measure	Administrative	Hybrid
<i>Diabetes</i>		
Comprehensive Diabetes Care (CDC)	✓	✓
Statin Therapy for Patients with Diabetes (SPD)	✓	
<i>Musculoskeletal Conditions</i>		
Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis (ART)	✓	
<i>Behavioral Health</i>		
Antidepressant Medication Management (AMM)	✓	
Follow-Up Care for Children Prescribed ADHD Medication (ADD)	✓	
Follow-Up After Hospitalization for Mental Illness (FUH)	✓	
Follow-Up After Emergency Department Visit for Mental Illness (FUM)	✓	
Follow-Up After Emergency Department Visit for Alcohol and Other Drug Dependence (FUA)	✓	
Diabetes Screening for People With Schizophrenia or Bipolar Disorder Who Are Using Antipsychotic Medication (SSD)	✓	
Diabetes Monitoring for People With Diabetes and Schizophrenia (SMD)	✓	
Cardiovascular Monitoring for People With Cardiovascular Disease and Schizophrenia (SMC)	✓	
Adherence to Antipsychotic Medications for Individuals With Schizophrenia (SAA)	✓	
Metabolic Monitoring for Children and Adolescents on Antipsychotics (APM)	✓	
<i>Medication Management</i>		
Annual Monitoring for Patients on Persistent Medications (MPM)	✓	
<i>Overuse/Appropriateness</i>		
Non-Recommended Cervical Cancer Screening in Adolescent Females (NCS)	✓	
Appropriate Treatment for Children With Upper Respiratory Infection (URI)	✓	
Avoidance of Antibiotic Treatment in Adults With Acute Bronchitis (AAB)	✓	
Use of Imaging Studies for Low Back Pain (LBP)	✓	
Use of Multiple Concurrent Antipsychotics in Children and Adolescents (APC)	✓	
<i>Measures Collected Through CAHPS Health Plan Survey</i>		
Flu vaccinations for adults ages 18 to 64 (FVA)		

Table D. 2017 Measure reporting options: Administrative/Hybrid

Measure	Administrative	Hybrid
Medical Assistance With Smoking Cessation (MSC)		
<i>HEDIS Access/Availability of Care Measures</i>		
Adults' Access to Preventive/Ambulatory Health Services (AAP)	✓	
Children and Adolescents' Access to Primary Care Practitioners (CAP)	✓	
Initiation and Engagement of Alcohol and Other Drug (AOD) Dependence Treatment (IET)	✓	
Prenatal and Postpartum Care (PPC)	✓	✓
Use of First-Line Psychosocial Care for Children and Adolescents on Antipsychotics (APP)	✓	
<i>HEDIS Utilization and Risk-Adjusted Utilization Measures</i>		
Frequency of Ongoing Prenatal Care (FPC)	✓	✓
Well-Child Visits in the First 15 Months of Life (W15)	✓	✓
Well-Child Visits in the Third, Fourth, Fifth and Sixth Years of Life (W34)	✓	✓
Adolescent Well-Care Visits (AWC)	✓	✓

APPENDIX E | CHIP Measures, Frequencies, and Population by Member Months

In the tables of this appendix, rates reported are for **CKBC**, the only HPA during HEDIS 2017. Cells are shaded gray for those measures that were not calculated or for which data were not reported. [HEDIS definitions](#) for measures apply to all lines of business.

Additional Utilization Measures: CHIP Plan-Specific Rates

Table E1. HEDIS 2017 Utilization Measures: CHIP—FPC and W15	
Measure/Data Element	Rate
Frequency of Ongoing Prenatal Care (FPC):	
<21 Percent	7.80%
21-40 Percent	5.85%
41-60 Percent	10.73%
61-80 Percent	15.85%
81+ Percent	59.76%
Well-Child Visits in the First 15 Months of Life (W15):	
0 Visits	3.28%
1 Visit	0.60%
2 Visits	0.90%
3 Visits	2.69%
4 Visits	4.78%
5 Visits	12.54%
6+ Visits	75.22%

Table E2. HEDIS 2017 Utilization Measures: CHIP—Frequency of Selected Procedures (FSP)		
Age	Sex	Procedures / 1,000 Member Months
Bariatric Weight Loss Surgery:		
0-19	M	0.00
	F	0.00
20-44	M	0.00
	F	0.00
45-64	M	
	F	0.00
Tonsillectomy:		
0-9	M&F	1.17
10-19		0.39
Hysterectomy, Abdominal:		
15-44	F	0.04
45-64		0.00
Hysterectomy, Vaginal:		
15-44	F	0.00
45-64		0.00

Table E2. HEDIS 2017 Utilization Measures: CHIP—Frequency of Selected Procedures (FSP)

Age	Sex	Procedures / 1,000 Member Months
Cholecystectomy, Open:		
30-64	M	
15-44	F	0.01
45-64		0.00
Cholecystectomy (laparoscopic):		
30-64	M	
15-44	F	0.39
45-64		0.00
Back Surgery:		
20-44	M	0.00
	F	0.02
45-64	M	
	F	0.00
Mastectomy:		
15-44	F	0.00
45-64		0.00
Lumpectomy:		
15-44	F	0.05
45-64		0.00

Table E3. HEDIS 2017 Utilization Measures: CHIP—Ambulatory Care: Total (AMB)

Age	Visits/ 1,000 Member Months	
	Outpatient Visits	ED Visits
<1	722.93	41.15
1-9	268.42	24.28
10-19	228.20	25.60
20-44	298.43	53.15
45-64	281.69	14.08
65-74		
75-84		
85+	62.50	62.50
Unknown		
Total	250.88	26.88

Table E4a. HEDIS 2017 Utilization Measures: CHIP—Inpatient Utilization General Hospital/Acute Care: Total (IPU)

Age	Per 1,000 Members Months		Average Length of Stay
	Discharges	Days	
Maternity			
10-19	0.82	2.08	2.56
20-44	95.26	225.83	2.37
45-64	56.34	119.72	2.13
Unknown			
Total	9.29	22.16	2.38

Table E4b. HEDIS 2017 Utilization Measures: CHIP—Inpatient Utilization General Hospital/Acute Care: Total (IPU)

Age	Per 1,000 Members Months		Average Length of Stay	Per 1,000 Members Months		Average Length of Stay	Per 1,000 Member Months		Average Length of Stay
	Discharges	Days		Discharges	Days		Discharges	Days	
	Total Inpatient			Surgery			Medicine		
<1	5.67	40.90	7.22	0.86	26.49	30.71	4.80	14.41	3.00
1-9	0.73	2.21	3.02	0.16	0.64	3.94	0.57	1.56	2.75
10-19	1.54	4.57	2.96	0.22	0.83	3.78	0.51	1.62	3.19
20-44	95.87	227.62	2.37	0.43	1.18	2.76	0.18	0.61	3.33
45-64	56.34	119.72	2.13	0.00	0.00		0.00	0.00	
65-74									
75-84									
85+	0.00	0.00		0.00	0.00		0.00	0.00	
Unknown									
Total	6.76	17.00	2.52	0.22	1.03	4.72	0.55	1.66	3.02

Table E5. HEDIS 2017 Utilization Measures: CHIP—Total IAD and Total MPT Rates

Age	Sex	Any Services	Inpatient	Intensive Outpatient/ Partial Hospitalization	Outpatient/ED
<i>Identification of Alcohol and Other Drug Services: Total (IAD)</i>					
0-12	M	0.05%	0.00%	0.01%	0.05%
	F	0.01%	0.00%	0.00%	0.01%
	Total	0.03%	0.00%	0.00%	0.03%
13-17	M	1.26%	0.25%	0.45%	1.06%
	F	1.00%	0.34%	0.35%	0.70%
	Total	1.13%	0.30%	0.40%	0.88%
18-24	M	2.38%	0.57%	0.62%	1.94%
	F	1.81%	0.68%	0.34%	1.29%
	Total	2.05%	0.63%	0.45%	1.56%

Table E5. HEDIS 2017 Utilization Measures: CHIP—Total IAD and Total MPT Rates

Age	Sex	Any Services	Inpatient	Intensive Outpatient/ Partial Hospitalization	Outpatient/ED
25-34	M	0.00%	0.00%	0.00%	0.00%
	F	0.32%	0.04%	0.00%	0.32%
	Total	0.32%	0.04%	0.00%	0.32%
35-64	M				
	F	0.25%	0.12%	0.00%	0.25%
	Total	0.25%	0.12%	0.00%	0.25%
65+	M	0.00%	0.00%	0.00%	0.00%
	F				
	Total	0.00%	0.00%	0.00%	0.00%
Unknown	M				
	F				
	Total				
Total	M	0.63%	0.13%	0.20%	0.52%
	F	0.50%	0.17%	0.14%	0.36%
	Total	0.56%	0.15%	0.17%	0.44%
<i>Mental Health Utilization: Total (MPT)</i>					
0-12	M	6.72%	0.08%	0.03%	6.69%
	F	3.82%	0.05%	0.02%	3.81%
	Total	5.30%	0.06%	0.02%	5.28%
13-17	M	7.56%	0.64%	0.20%	7.39%
	F	8.70%	1.20%	0.26%	8.38%
	Total	8.12%	0.91%	0.23%	7.87%
18-64	M	4.90%	0.75%	0.13%	4.72%
	F	2.86%	0.43%	0.06%	2.74%
	Total	3.39%	0.51%	0.08%	3.25%

Table E5. HEDIS 2017 Utilization Measures: CHIP—Total IAD and Total MPT Rates

Age	Sex	Any Services	Inpatient	Intensive Outpatient/ Partial Hospitalization	Outpatient/ED
65+	M	0.00%	0.00%	0.00%	0.00%
	F				
	Total	0.00%	0.00%	0.00%	0.00%
Unknown	M				
	F				
	Total				
Total	M	6.89%	0.32%	0.09%	6.80%
	F	5.15%	0.47%	0.10%	5.03%
	Total	5.99%	0.40%	0.10%	5.88%

Utilization Measures: CHIP—Antibiotic Utilization: Total (ABX)

Table E6. HEDIS 2017 Utilization Measures: CHIP—Antibiotic Utilization

Age	Sex	Average Scripts PMPY for Antibiotics	Average Days Supplied per Antibiotic Script	Average Scripts PMPY for Antibiotics of Concern	Percentage of Antibiotics of Concern of All Antibiotic Scripts
0-9	M	1.02	9.29	0.49	48.45%
	F	1.11	9.54	0.52	46.40%
	Total	1.06	9.42	0.50	47.41%
10-17	M	0.64	10.59	0.31	48.18%
	F	0.84	10.56	0.38	45.94%
	Total	0.74	10.58	0.35	46.94%
18-34	M	0.53	11.72	0.25	46.26%
	F	0.88	9.42	0.29	33.01%
	Total	0.78	9.86	0.28	35.58%

Table E6. HEDIS 2017 Utilization Measures: CHIP—Antibiotic Utilization

Age	Sex	Average Scripts PMPY for Antibiotics	Average Days Supplied per Antibiotic Script	Average Scripts PMPY for Antibiotics of Concern	Percentage of Antibiotics of Concern of All Antibiotic Scripts
35-49	M				
	F	0.68	8.18	0.16	23.20%
	Total	0.68	8.18	0.16	23.20%
50-64	M				
	F	0.00		0.00	
	Total	0.00		0.00	
65-74	M				
	F				
	Total				
75-84	M				
	F				
	Total				
85+	M	0.00		0.00	
	F				
	Total	0.00		0.00	
Unknown	M				
	F				
	Total				
Total	M	0.78	10.00	0.38	48.23%
	F	0.93	9.95	0.41	43.88%
	Total	0.86	9.97	0.39	45.77%

Table E7. HEDIS 2017 Utilization Measures: CHIP—Antibiotics of Concern Utilization

Age	Sex	Average Scripts PMPY for						
		Quinolones	Cephalosporins 2nd-4th Generation	Azithromycins and Clarithromycins	Amoxicillin/ Clavulanates	Ketolides	Clindamycins	Misc. Antibiotics of Concern
0-9	M	0.00	0.18	0.18	0.12	0.00	0.02	0.00
	F	0.00	0.21	0.17	0.12	0.00	0.02	0.00
	Total	0.00	0.19	0.17	0.12	0.00	0.02	0.00
10-17	M	0.01	0.07	0.13	0.08	0.00	0.02	0.00
	F	0.01	0.09	0.17	0.09	0.00	0.03	0.00
	Total	0.01	0.08	0.15	0.09	0.00	0.02	0.00
18-34	M	0.03	0.03	0.09	0.07	0.00	0.03	0.00
	F	0.03	0.04	0.12	0.06	0.00	0.03	0.00
	Total	0.03	0.04	0.11	0.06	0.00	0.03	0.00
35-49	M							
	F	0.02	0.02	0.04	0.06	0.00	0.02	0.00
	Total	0.02	0.02	0.04	0.06	0.00	0.02	0.00
50-64	M							
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65-74	M							
	F							
	Total							
75-84	M							
	F							
	Total							
85+	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	F							
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown	M							
	F							
	Total							

Table E7. HEDIS 2017 Utilization Measures: CHIP—Antibiotics of Concern Utilization

Age	Sex	Average Scripts PMPY for						
		Quinolones	Cephalosporins 2nd-4th Generation	Azithromycins and Clarithromycins	Amoxicillin/ Clavulanates	Ketolides	Clindamycins	Misc. Antibiotics of Concern
Total	M	0.01	0.10	0.15	0.10	0.00	0.02	0.00
	F	0.01	0.12	0.16	0.09	0.00	0.02	0.00
	Total	0.01	0.11	0.15	0.10	0.00	0.02	0.00

Table E8. HEDIS 2017 Utilization Measures: CHIP—All Other Antibiotics Utilization

Age	Sex	Average Scripts PMPY for							
		Absorbable Sulfonamides	Amino- glycosides	1st Generation Cephalosporins	Linco- samides	Macrolides (not azith. or clarith.)	Penicillins	Tetra- cyclines	Misc. Antibiotics
0-9	M	0.03	0.00	0.06	0.00	0.00	0.43	0.00	0.00
	F	0.07	0.00	0.07	0.00	0.00	0.45	0.00	0.00
	Total	0.05	0.00	0.07	0.00	0.00	0.44	0.00	0.00
10-17	M	0.04	0.00	0.05	0.00	0.00	0.18	0.06	0.00
	F	0.07	0.00	0.06	0.00	0.00	0.23	0.06	0.03
	Total	0.05	0.00	0.05	0.00	0.00	0.21	0.06	0.02
18-34	M	0.04	0.00	0.04	0.00	0.00	0.12	0.08	0.01
	F	0.06	0.00	0.08	0.00	0.00	0.14	0.05	0.25
	Total	0.06	0.00	0.07	0.00	0.00	0.13	0.06	0.18
35-49	M								
	F	0.03	0.00	0.07	0.00	0.00	0.09	0.02	0.31
	Total	0.03	0.00	0.07	0.00	0.00	0.09	0.02	0.31
50-64	M								
	F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table E8. HEDIS 2017 Utilization Measures: CHIP—All Other Antibiotics Utilization

Age	Sex	Average Scripts PMPY for							
		Absorbable Sulfonamides	Amino-glycosides	1st Generation Cephalosporins	Linco-samides	Macrolides (not azith. or clarith.)	Penicillins	Tetra-cyclines	Misc. Antibiotics
65-74	M								
	F								
	Total								
75-84	M								
	F								
	Total								
85+	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	F								
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unknown	M								
	F								
	Total								
Total	M	0.03	0.00	0.05	0.00	0.00	0.27	0.04	0.00
	F	0.07	0.00	0.07	0.00	0.00	0.29	0.04	0.06
	Total	0.05	0.00	0.06	0.00	0.00	0.28	0.04	0.03

Table E8. HEDIS 2017 Utilization Measures: CHIP—Standardize Healthcare-Associated Infection Ratio (HAI)

Classification	Percentage of Total Discharges From Hospitals With SIR			
	High	Moderate	Low	Unavailable
HAI-1: Central line-associated blood stream infection (CLABSI)	0.55%	0.02%	0.30%	0.13%
HAI-2: Catheter-associated urinary tract infection (CAUTI)	0.30%	0.13%	0.48%	0.10%
HAI-5: MRSA bloodstream infection (MRSA)	0.21%	0.14%	0.42%	0.23%
HAI-6: Clostridium difficile intestinal infection (CDIFF)	0.44%	0.18%	0.29%	0.10%

Health Plan Descriptive Information

Type of Physician	Board Certification Percent
Family Medicine	72.02%
Internal Medicine	69.82%
Pediatricians	80.99%
OB/GYN Physicians	75.41%
Geriatricians	71.43%
Other Physician Specialists	73.90%

HPA Population in CHIP Member Months

Age	Member Months		
	Male	Female	Total
<1	4304	3813	8,117
1-4	39825	37303	77,128
5-9	110499	106459	216,958
10-14	140569	134539	275,108
15-17	85425	82504	167,929
18-19	27202	29072	56,274
0-19 Subtotal	407,824	393,690	801,514
0-19 Subtotal: Percent	99.99%	88.87%	94.20%
20-24	2	9944	9,946
25-29	2	15605	15,607
30-34	0	14106	14,106
35-39	0	7558	7,558
40-44	0	1931	1,931
20-44 Subtotal	4	49,144	49,148
20-44 Subtotal: Percent	0.00%	11.09%	5.78%

Table E10. HPA CHIP Population in Member Months			
Age	Member Months		
	Male	Female	Total
45-49	0	129	129
50-54	0	13	13
55-59	0	0	0
60-64	0	0	0
45-64 Subtotal	0	142	142
45-64 Subtotal: Percent	0.00%	0.03%	0.02%
65-69	0	0	0
70-74	0	0	0
75-79	0	0	0
80-84	0	0	0
85-89	0	0	0
>=90	48	0	48
>=65 Subtotal	48	0	48
>=65 Subtotal: Percent	0.01%	0.00%	0.01%
Total	407,876	442,976	850,852