

## **Medicaid Fee-for-Service Access Monitoring Review Plan**

December 2017

DRAFT

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## Overview

Federal rules at 42 C.F.R. §§447.203-204 (the Access Rule) set forth a transparent, data driven procedural process for States to demonstrate that the States' Medicaid Fee-For-Service (FFS) payments comply with the access standards in Section 1902(a)(30)(A) of the Social Security Act (the Act). Pursuant to the Act, States are to define methods and procedures to assure that payments to providers are "sufficient to enlist enough providers so that care and services are available under the plan at least to the extent that such care and services are available to the general population in the geographic area."

Among other requirements in the Access Rule, the States are to develop "a medical assistance access review plan" to review participant access to certain Medicaid services.<sup>1</sup> The Access Rule applies to FFS payments and does not apply to the Managed Care Organization payments to providers. In part, the Access Rule requires:

- State Medicaid programs must submit an initial FFS Access Monitoring Review Plan (AMRP).
- States must submit subsequent AMRP by October 1, 2019, and every three years thereafter.
- The AMRP must analyze certain categories of services for sufficient access under a state-established methodology.
- States are required to add services to the AMRP when reducing payment rates or restructuring rates in ways that could diminish access to care and must monitor access to those services for at least three years after the effective date of the change.
- States are required to add services or update the plan when submitting State Plan Amendments (SPAs) reducing or restructuring rates, which includes an analysis of the current level of access, the expected SPA impact on access, and information and concerns shared by stakeholders.
- States must establish or maintain ongoing means for providers and participants to provide input related to access to care issues or concerns.

States must monitor the following categories of services through the AMRP:

1. Primary care services, including these provided by a physician in Federal Qualified Health Clinics (FQHC), clinic, or dental care;
2. Physician specialist services (for example, cardiology, urology, radiology);
3. Behavioral health services (including mental health and substance use disorder);
4. Pre- and post-natal obstetric services including labor and delivery; and
5. Home health services.

The MO HealthNet Division (MHD) added two additional categories due to restructuring of rates and rate reductions.

6. Pharmacy agencies and
7. Nursing facilities.

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<sup>1</sup> 42 C.F.R. 447.203(b)

The MHD compiled this AMRP to report on the existing FFS access to care and service payment rates based on existing or currently available information. Consistent with CMS guidance, MHD will continue to develop more sophisticated analysis over time to review and monitor adequacy, including:

- the extent to which beneficiary needs are fully met;
- the availability of care through enrolled providers to beneficiaries in each geographic area, by provider type and site of service;
- changes in beneficiary utilization of covered services in each geographic area;
- the characteristics of the beneficiary population; and
- actual or estimated levels of provider payment available from other payers, including other public and private payers, by provider type and site of service.

The MHD does not collect reimbursement rates from private health insurance companies. While the Missouri Department of Insurance is responsible for regulating private insurance companies doing business in Missouri, there is not a law that requires private health plans to report or publish their provider reimbursement rates. The MHD does not currently have a resource for private-payer rate data. The MHD will explore options for obtaining commercial payer data. However, the MHD has compared Medicaid rates to specific Medicare rates.

The AMRP is published for a public comment period for 30 days on the MHD website under Alerts and Notifications on [www.dss.mo.gov/mhd](http://www.dss.mo.gov/mhd). The MHD is developing other avenues to submit public comments to the MHD. The information gathered will be analyzed for inclusion in updated AMRPs and for improvements to access to care.

**PLEASE NOTE:** In the MO HealthNet FFS program, behavioral health services are appropriated, in part, via the physician-related program line; therefore, the reporting of behavioral health and physician's service rate reimbursement is sometimes blended. MO HealthNet will work to refine existing reporting tools to the extent possible, to more clearly separate and isolate behavioral health service costs, rates and network impact consistent with the requirements in the Access Rule.

MO HealthNet utilizes multiple delivery and reimbursement models, including traditional FFS and HMO-styled Managed Care. To determine which program a participant takes part in depends on a number of factors including the participant's eligibility group and the services needed.

## **MO HealthNet Managed Care Program and Population**

Effective May 1, 2017, the MO HealthNet Managed Care program is offered statewide to all 114 counties and the City of St. Louis. Approximately 240,000 participants, who previously were enrolled in the MO HealthNet FFS program, were transitioned to a Managed Care health plan. These new Managed Care participants join about 500,000 existing Managed Care participants, amounting to an estimated 748,435 Missourians in the Managed Care program.

## Managed Care Program

The MO HealthNet Division operates an HMO-style Managed Care program known as MO HealthNet Managed Care. Effective May 1, 2017, statewide participation in MO HealthNet Managed Care was mandatory for the following MO HealthNet eligibility groups:

- MO HealthNet for Families - Adults and Children;
- MO HealthNet for Children;
- Refugees;
- MO HealthNet for Pregnant Women;
- Children's Health Insurance Program (CHIP);
- Children in state care and custody; and
- Show Me Healthy Babies Program (SMHB)

Those participants who receive Supplemental Security Income (SSI), meet the SSI medical disability definition, or get adoption subsidy benefits may stay in MO HealthNet Managed Care or may choose to “opt out” and receive services from the FFS program instead.

As of September 2017, there are approximately 748,435 individuals enrolled in Managed Care, and there are approximately 367,549 individuals enrolled in FFS. There are approximately 1,115,984 individuals enrolled in Medicaid.

MO HealthNet Managed Care health plans contract with the state and are paid a monthly capitation payment for providing services for each enrollee. Federal Regulation 42 CFR 438-Managed Care and State Authority 208.166 require capitation payments made on behalf of Managed Care participants to be actuarially sound. Therefore, MO HealthNet must maintain capitation rates at a sufficient level to ensure continued health plan and provider participation.

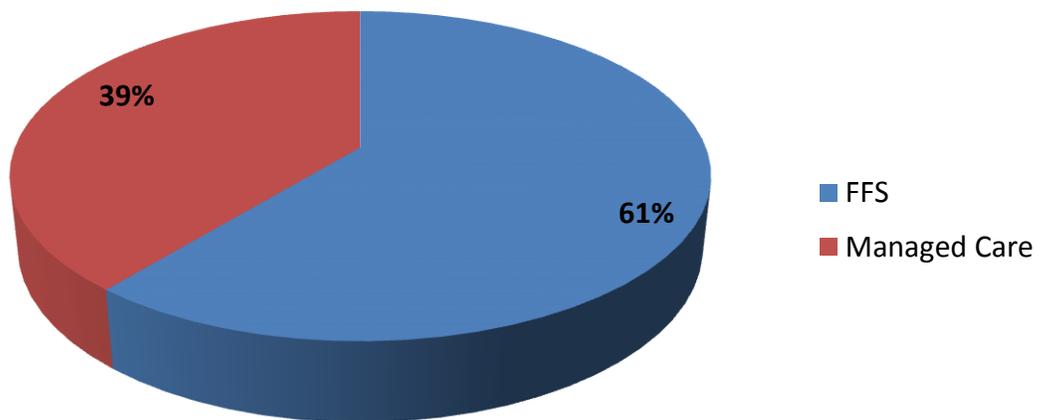
In MO HealthNet Managed Care, enrollees receive the majority of their services through the managed care benefit. Examples of services included in the capitation payment paid to health plans are: hospital; physician; emergency medical services; EPSDT services; family planning services; dental; optical; audiology; personal care; and mental health services. Services provided on a FFS basis outside of the capitation payment include: pharmacy services; transplants; school-based therapy; Department of Health and Senior Services newborn screening services; certain mental health services, including Intermediate Care Facilities for Individuals with Intellectual Disabilities (ICF/ID); community psychiatric rehabilitation services; CSTAR services; smoking cessation; and mental health services for children in the care and custody of the state.

Each MO HealthNet Managed Care participant chooses a MO HealthNet Managed Care health plan and a primary care provider from within the network of the health plan. Managed Care participants are guaranteed access to primary care and other services as needed.

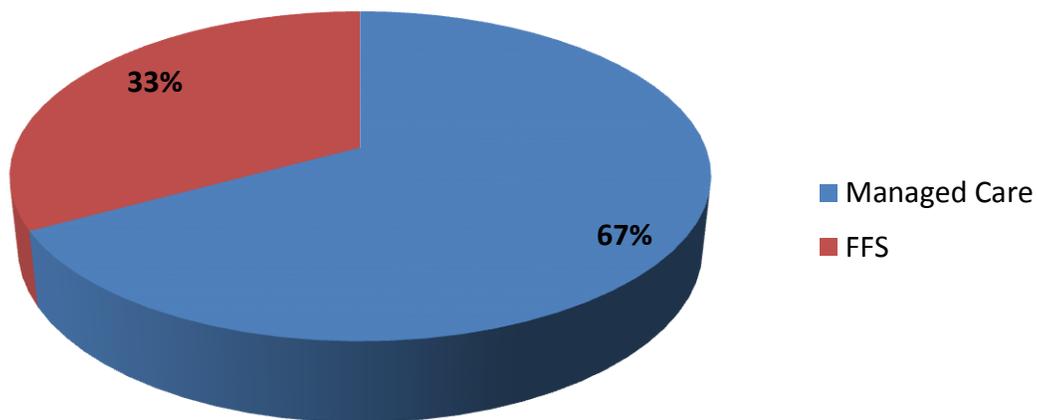
## MO HealthNet, Missouri's Medicaid Program

The MHD pays for qualified medical costs and services for eligible beneficiaries based on income, assets, and resources. The FFS population comprises of approximately 367,549 participants, and the total Medicaid population is approximately 1,115,984. The FFS population comprises of 33% of the total Medicaid population. The Managed Care population comprises of 67% of the total Medicaid population. The MHD AMRP focuses on the 33% of the FFS population. The state-wide managed care expansion shifted the majority of the population, once served in the FFS program. Currently, the majority of the Medicaid population receives services in the Managed Care program.

**Figure 1: MO HealthNet Population-2016**



**Figure 2: MO HealthNet Population-2017**



## MO HealthNet Participant Population

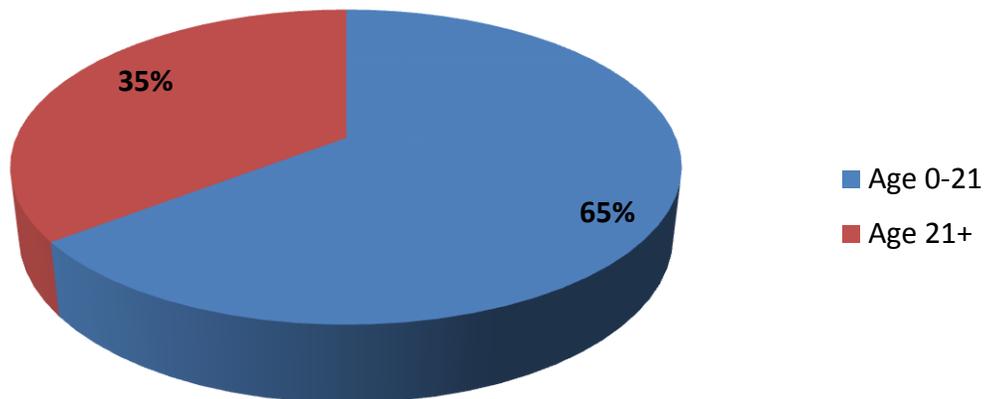
The MHD FFS program covers the following eligibility categories:

- Aged, blind, and disabled
- Qualified Medicare Beneficiaries (QMB)
- Children in a Nursing Facility/ICF/ID
- Children placed in foster homes or residential care by the Department of Mental Health (DMH)
- Missouri Children with Developmental Disabilities (Sarah Jean Lopez) Waiver
- Temporary Assistance for pregnant women and Presumptive eligibility for children
- Women with Breast or Cervical Cancer Treatment
- Children in residential care
- Uninsured women
- Women's Health Services
- Persons with MORx only

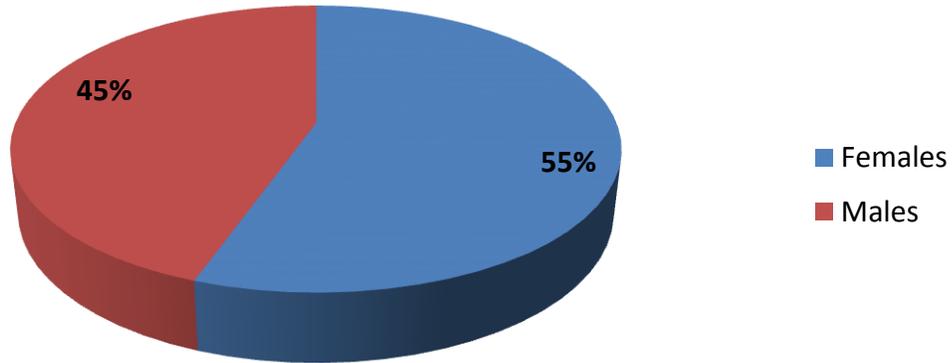
Note: There are opt out guidelines in which a participant may qualify to be in the FFS program for the following managed care eligibility categories:

- MO HealthNet for Families - Adults and Children
- MO HealthNet for Children
- Refugees
- MO HealthNet for Pregnant Women
- Children's Health Insurance Program (CHIP)
- Children in state care and custody
- Show Me Healthy Babies Program (SMHB)

**Figure 3: MO HealthNet Total Population Participants by Age Categories- 2016**



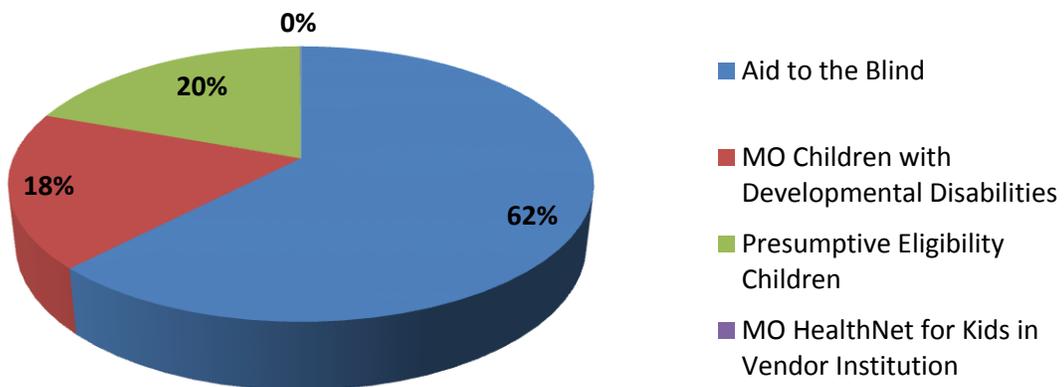
**Figure 4: MO HealthNet Total Population Participants by Gender-2016**



Adults in Medicaid Eligibility (ME) categories that pertain to persons who are in the Aid to the Blind or pregnant women programs receive a full comprehensive benefit package, including primary, acute and preventive care, hospital care, dental, prescriptions, and vision services. All other adults receive a limited benefit package of services depending on their ME category.

MO HealthNet for Kids refers to the statewide program for children in low-income families, uninsured children through Children’s Health Insurance Program (CHIP), and children in the custody of the state. Children receive a full comprehensive package, including primary, acute and preventive care, hospital care, dental, prescriptions, and vision services, and receive their care through the Managed Care delivery system, unless they have opted out of Managed Care.

**Figure 5: FFS Participants in Full Comprehensive Packages by Category- August 2017**



### Full Comprehensive Packages

ME Code	ME Code Description	Number of Participants in FFS Program in this Category
03	Aid to the Blind <b>(FFS only)</b>	1013
12	MO HealthNet - Aid to the Blind <b>(FFS only)</b>	49
15	Supplemental Nursing Care - Aid to the Blind <b>(FFS only)</b>	
18	MO HealthNet for Pregnant Women	
43	Pregnant Woman - 60 Day Assistance (MHF criteria)	
44	Pregnant Woman - 60 Day Assistance - Poverty	
45	Pregnant Woman - Poverty	
61	MO HealthNet for Pregnant Women - Health Initiative Fund (HIF)	
95	Show-Me Healthy Babies Pregnant Women income above 196% to 300%	
96	SMHB Unborn Child income 0 to 300%	
98	SMHB Post-Partum	
06	MO HealthNet for Families - Child	
07	Foster Care- Title IV-E	
08	Child Welfare Services-Foster Care	
23	MO HealthNet for Kids in Vendor Institution	1
28	Department of Mental Health – Foster Care	
29	Division of Youth Services-Foster Care	
30	Juvenile Courts - Foster Care	
33	MO Children with Developmental Disabilities (DMH Match) <b>(FFS only)</b>	154
34	MO Children with Developmental Disabilities (DSS Match)	158
36	Adoption Subsidy - Federal Financial Participation	
37	Title XIX - Homeless, Dependent, Neglected	
38	Independent Foster Care Children ages 18-25	
40	MO HealthNet for Kids – Poverty	
41	MO HealthNet for Kids in Vendor Institution – Poverty	
49	Department of Mental Health-Poverty <b>(FFS only)</b>	
50	Division of Youth Services-Poverty	
52	Division of Youth Services-General Revenue	
56	Adoption Subsidy – Title IV-E	
57	Child Welfare Services - Foster Care - Adoption Subsidy	
60	Newborn	
62	MO HealthNet for Kids- Health Initiative Fund (HIF)	
64	Group Home - Health Initiative Fund (State Placement)	
65	Group Home – Health Initiative Fund (Parent/Guardian Placement)	
66	Foster Care HDN– HIF	
67	Department of Mental Health Foster Care –HIF <b>(FFS only)</b>	
68	Division of Youth Services Foster Care - HIF	
69	Juvenile Courts – HIF	
70	Juvenile Courts – Poverty	
71	MO HealthNet for Kids – 133+ to 150% Poverty, Age 1-5	
72	MO HealthNet for Kids – 100+ to 150% Poverty, Age 6-18	
87	Presumptive Eligibility Children <b>(FFS only)</b>	331
88	Voluntary Placement Agreement <b>(FFS Only)</b>	
73	Children ages 1 thru 18; family income 150+ to 185%	
74	Children ages 0 thru 18; family income 185+ to 225%	
75	Children ages 0 thru 18; family income 225+ to 300%	
97	Show-Me Healthy Babies Newborns age 0 to 1; family income 196+ to 300%	

**NOTE:** Eligibility changes daily and these data were obtained for the month of August 2017.

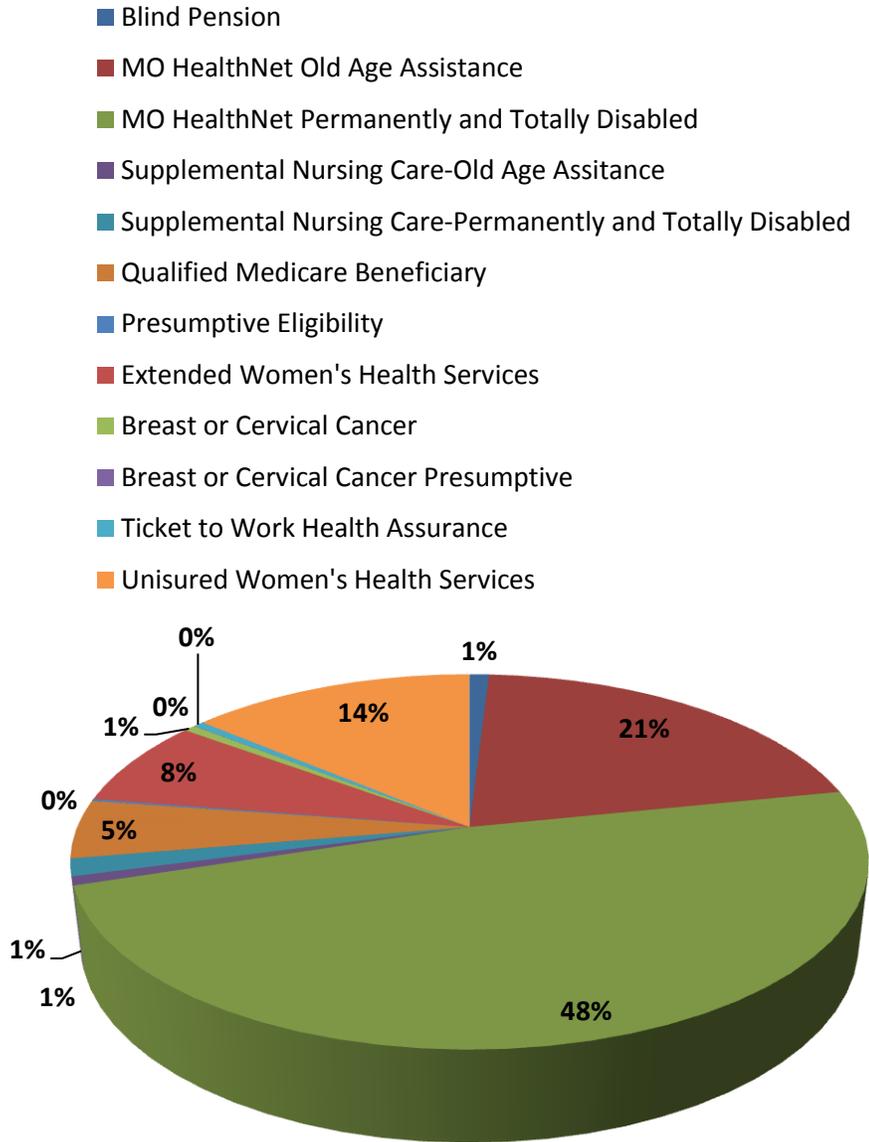
## Children's Health Insurance Program (CHIP) Premium Group

Health insurance for uninsured children funded through the CHIP, includes children under age 19, have a family income above 150% and below 300% poverty, and have no access to affordable health insurance. These children have the full comprehensive package, except for non-emergency medical transportation.

<u>ME Code</u>	<u>Description</u>
73	Children ages 1 thru 18; family income 150+ to 185%
74	Children ages 0 thru 18; family income 185+ to 225%
75	Children ages 0 thru 18; family income 225+ to 300%
97*	Show-Me Healthy Babies Newborns age 0 to 1; family income 196+ to 300%

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**Figure 6: FFS Participants in Limited Benefit Packages by Category- August 2017**



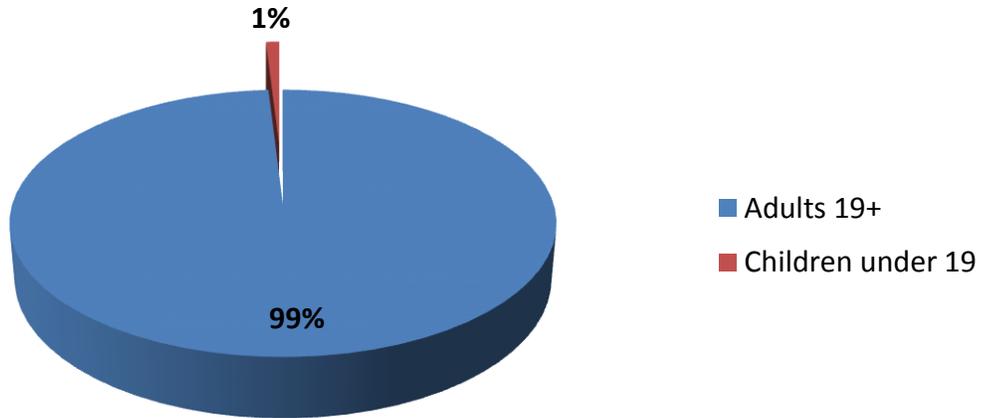
## Limited Benefit Packages

ME Code	ME Code Description	Number of Participants in FFS Program in this Category
01	Old Age Assistance <b>(FFS only)</b>	
02	Blind Pension <b>(FFS only)</b>	2911
04	Permanently and Totally Disabled <b>(FFS only)</b>	
05	MO HealthNet for Families – Adult	
10	Refugees other than Cuban, Haitian, Russian Jew, or Ethiopian	
11	MO HealthNet Old Age Assistance <b>(FFS only)</b>	63566
13	MO HealthNet - Permanently and Totally Disabled <b>(FFS only)</b>	147484
14	Supplemental Nursing Care – Old Age Assistance <b>(FFS only)</b>	2281
16	Supplemental Nursing Care – Permanently and Totally Disabled <b>(FFS only)</b>	4575
19	Cuban Refugee	
21	Haitian Refugee	
24	Russian Jew	
26	Ethiopian Refugee	
55	Qualified Medicare Beneficiary (QMB) <b>(FFS only)</b>	15419
58	Presumptive Eligibility (Subsidized) <b>(FFS only)</b>	555
59	Presumptive Eligibility (Non-Subsidized) <b>(FFS only)</b>	
80	Extended Women’s Health Services <b>(FFS only)</b>	23083
81	Temporary Assignment Category <b>(FFS only)</b>	
82	Missouri Rx (MORx) – (Medicare Part D wrap – around benefits) <b>(FFS only)</b>	
83	Breast or Cervical Cancer Control Project (BCCCP) – Presumptive <b>(FFS only)</b>	49
84	Breast or Cervical Cancer Control Project (BCCCP) – Regular <b>(FFS only)</b>	1717
85	Ticket to Work Health Assurance –Premium <b>(FFS only)</b>	1334
86	Ticket to Work Health Assurance – Non-Premium <b>(FFS only)</b>	231
89	Uninsured Women’s Health Services <b>(FFS only)</b>	42173
94	Show-Me Healthy Babies Presumptive Eligibility income to 300% <b>(FFS only)</b>	

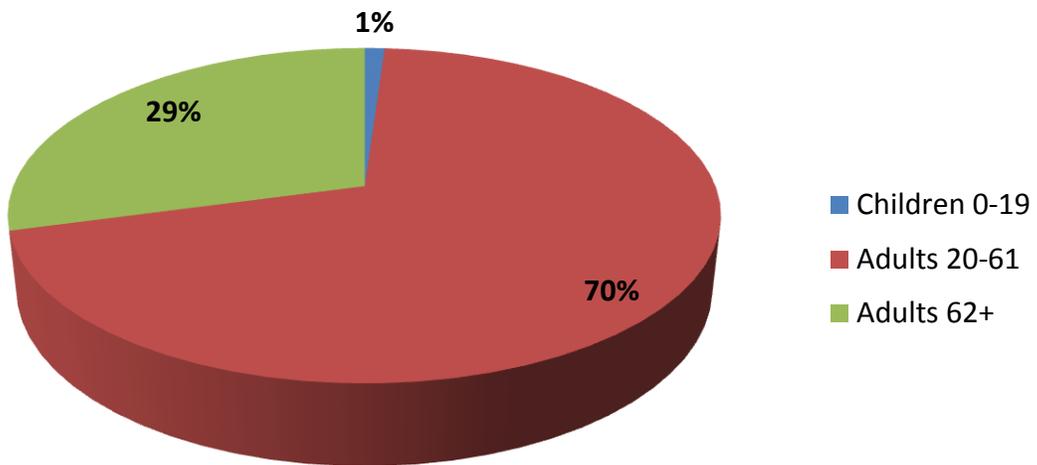
**NOTE:** Eligibility changes daily and these data were obtained for the month of August 2017.

In October of 2016, there was approximately 307,084 in the FFS population of that population 236,777 were adults and 449 were children. In January 2017, there was approximately 361,228 total FFS population of that population approximately 339,085 were adults and approximately 3,259 were children.

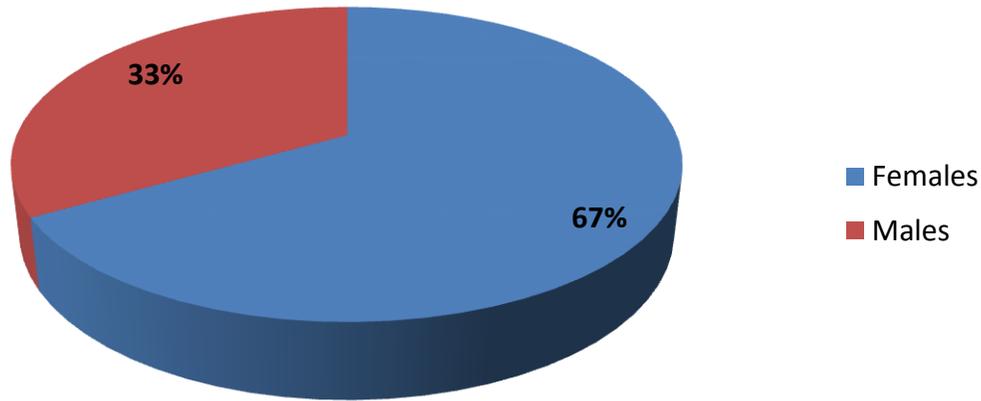
**Figure 7: FFS Population by Age-August 2017**



**Figure 8: FFS Population by Age- August 2017**



**Figure 9: FFS Population by Gender- August 2017**



### **FFS Physician Related Programs**

The goal of the physician-related program, including primary care and physician specialist services, is to provide access to proper health care in the appropriate setting and to improve the general health and well-being of MO HealthNet participants.

The physician-related program funds physician-related services provided to FFS MO HealthNet participants. Services are provided by physicians, advanced practitioners, nurses/technicians, and certain behavioral health providers at various locations.

In FY16, the physician-related program comprised 8.79% of the total Medicaid program dollars. As of June 2016, there were 39,428 physician-related providers enrolled in MO HealthNet. In FY 2016, approximately 65% of physician-related services were paid to clinics, rural health clinics, and federally qualified health clinics.

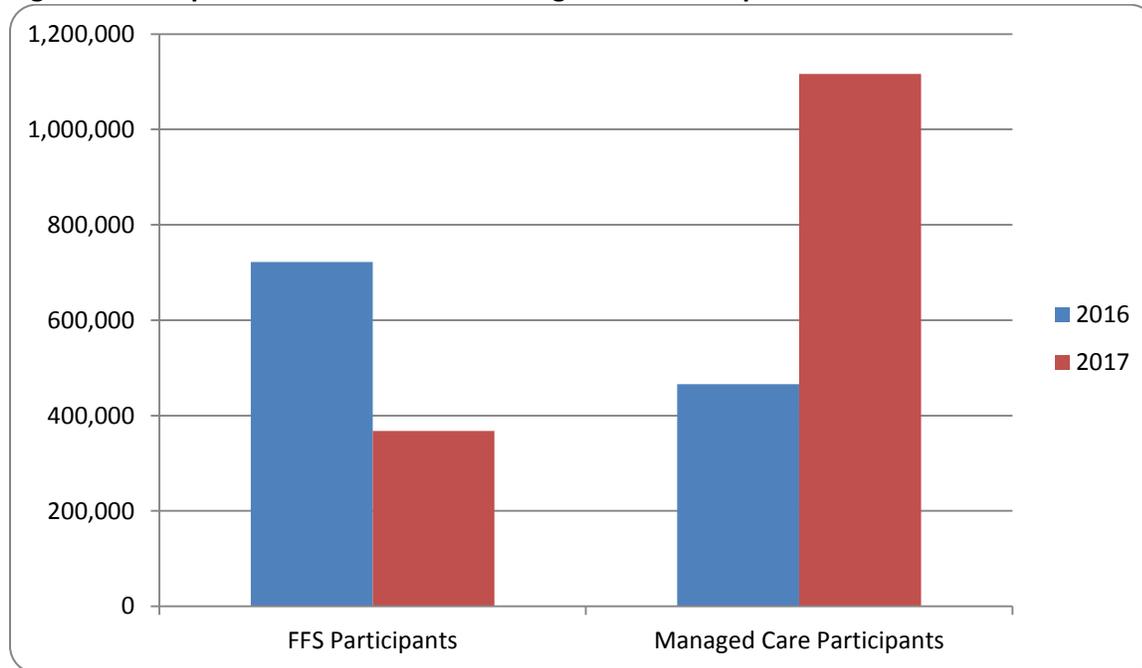
In FY17, The physician-related program comprises 6.55% of the total Medicaid program dollars. As of June 2017, there were 42,776 physician-related providers enrolled in MO HealthNet. In FY 2017, approximately 87% of physician-related services were paid to clinics, rural health clinics, and federally qualified health clinics.

Comparisons between 2016 and 2017 enrollment data, shows an approximately 8% increase in the total of physician-related providers. There was also a substantial decrease in FFS participants.

In 2016, there were 722,040 FFS participants and 465,587 managed care participants. In 2017, there are 1,115,984 managed care participants and 367,549 FFS participants. Comparison data between 2016 and 2017 shows that there was a 49% decrease in the FFS program, who are now receiving services in the managed care program. Therefore, the 8% increase of physician-related providers should have a

positive impact on the current FFS, which resulted in a 49% decrease in participants served in the FFS program.

**Figure 10: Comparison Data of FFS and Managed Care Participants**



Physician-related services include diagnostic, therapeutic, rehabilitative, or palliative care; lab and x-ray; family planning; and behavioral health.

The following physician-related services are limited to certain MO HealthNet participants:

- Early Periodic Screening Diagnosis and Treatment (EPSDT);
- Health Home coordination for individuals with chronic conditions;
- Asthma education and in-home environmental assessments; and
- Applied Behavioral Analysis.

### Early Periodic Screening Diagnosis Treatment (EPSDT)

The EPSDT program (or Healthy Children and Youth program) provides primary and preventative services to MO HealthNet participants who are infants, children, and youth under the age of 21 years. To ensure a child's health, a primary care provider is designated to manage a coordinated, comprehensive, continuous health care program to address the child's primary health care needs. Full, partial, and inter-periodic health screenings; medical and dental examinations; immunizations; and any medically-necessary treatment to correct or improve defects and chronic conditions found during the screening are considered EPSDT benefits.

### Health Homes

Section 2703 of the Affordable Care Act (ACA) gives MO HealthNet the option to pay providers to coordinate care through a "health home" for individuals with chronic conditions. A team of health care

professionals acting as a health home may include physicians and other professionals such as a nurse care manager, care coordinator, behavioral health consultant, nutritionist, or social worker. A health home may be a freestanding practice or a practice based at a hospital or other facility. Health home services include comprehensive care management, care coordination and health promotion, comprehensive transitional care from inpatient to other settings, patient and family support, and referral to community and social support services. Health homes are required to use "health information technology" to link services.

The MHD, in coordination with the Department of Mental Health, currently operates two health home programs:

1. Primary Care Health Home for participants diagnosed with two chronic conditions or diagnosed with one chronic condition and at-risk for development of a second.
2. Community Mental Health Center (CMHC) Health Home for participants with a serious and persistent mental illness, serious emotional disorder, or substance use disorder.

Clinical care management per member per month (PMPM) payments are made for the reimbursement of required contracted services and the cost of staff primarily responsible for delivery of these specified health home services that are not covered by other MO HealthNet reimbursement methodologies.

### **Asthma Educators and In-home Environmental Assessors**

Pediatric MO HealthNet participants with a primary diagnosis of asthma, who meet specific criteria indicating uncontrolled asthma, may receive up to two asthma education services and two in-home environmental assessments per year.

### **Applied Behavior Analysis**

Applied behavior analysis (ABA) services are covered for individuals under age 21 who have a diagnosis of Autism Spectrum Disorder. ABA services are provided by licensed behavior analysts, ABA qualified licensed psychologists, and licensed assistant behavior analysts. All ABA services require precertification.

### **MO HealthNet Physician-Related Provider Types**

The MO HealthNet FFS program utilizes a number of different physician-related provider types in its program, including:

- Physicians
- Podiatrists
- Advanced Practitioners
- Advanced Practice Registered Nurses (APRN) or Nurse Practitioners (NP)
- Nurse Midwives
- Physician Assistants (PA)
- Assistant Physicians (AP) once licensed by the Board of Healing Arts
- Certified Registered Nurse Anesthetists (CRNA) and Anesthesiologists Assistants (AA)
- Behavioral health providers:

- Psychiatrists
- Psychologists, including provisional licensees
- Licensed professional counselors (LPC), including provisional licensees
- Licensed clinical social workers (LCSW), including provisional licensees
- Licensed behavior analysts

Services may be billed by physicians, certain advanced practitioners, behavioral health providers, or on behalf of professional services provided at the following locations:

- Clinics
- Rural health clinics (RHC)
- Federally qualified health centers (FQHC)
- Ambulatory surgical centers (ASC)
- Lab and x-ray facilities
- Independent diagnostic testing facilities
- Participant's home
- Hospital (inpatient and outpatient settings)
- Nursing facilities

## Physicians

Physicians, including medical doctors and doctors of osteopathy, enrolled in the MO HealthNet program are identified by the specialty of medicine they practice. Specialties include: allergy immunology; anesthesiology; cardiology; dermatology; emergency medicine; family practice; general practice; general surgery; internal medicine; laryngology; nuclear medicine; neurological surgery; obstetrics/gynecology; ophthalmology; otology; otolaryngology; orthopedic surgery; pathology; pediatrics; physical medicine and rehabilitation; plastic surgery; preventive medicine; proctology; psychiatry; neurology; radiation therapy; radiology; rectal and colon surgery; rehabilitative medicine; rhinology; thoracic surgery; and urology.

## Podiatrists

Podiatrists provide medical, surgical, and mechanical services for the foot or any area not above the ankle joint. However, the following podiatry services are not covered for adults (except pregnant women, the blind, or nursing facility residents): trimming of non-dystrophic nails; debridement of one to five nails by any method; debridement of six or more nails by any method; partial or complete excision of the nail and nail matrix; and strapping of the ankle and/or foot.

## Advanced Practice Registered Nurses and Nurse Practitioners

An advanced practice registered nurse (APRN) or nurse practitioner (NP) is one who has education beyond the basic nursing education and is certified by a nationally recognized professional organization as having a nursing specialty, or who meets criteria for advanced practice nurses established by the Missouri Board of Nursing. Numerous specialties are recognized such as family, gerontology, clinical,

obstetrics/GYN, neonatal, mental health, and certified registered nurse anesthetists. APRNs and NPs must enter into a collaborative practice agreement with a physician. Such a collaborative practice agreement may authorize APRNs and NPs to prescribe certain medications. APRNs and NPs are generally employed by physicians, but are not required to be employed by physicians.

## **Nurse Midwives**

Nurse midwife services are those services related to the management and provision of care to a pregnant woman and her unborn/newborn infant by a certified nurse midwife. These services may be provided throughout the maternity cycle which includes pregnancy, labor and delivery and the initial postpartum period not to exceed six weeks. Covered services include antepartum care, delivery, postpartum care, newborn care, office visits, laboratory services and other services within the scope of practice of a nurse midwife. Nurse midwives may also provide care outside of the maternity cycle such as family planning, counseling, birth control techniques and well-woman gynecological care including routine pap smears and breast examinations (Section 13605, OBRA 93). Nurse midwife services may also include services to the newborn, age 0 through 2 months, and any other MO HealthNet eligible female, age 15 and over.

## **Certified Registered Nurse Anesthetists and Anesthesiologist Assistants (CRNA)**

A CRNA introduces and manages substances into the body by external or internal means that cause a loss of sensation with or without loss of consciousness. To serve MO HealthNet participants, a CRNA must hold a valid current license as an advanced practice registered nurse (APRN) or nurse practitioner (NP) in the state of Missouri and be currently certified by the Council on Certification of Nurse Anesthetists.

An Anesthesiologist Assistant (AA) works under the supervision of a licensed anesthesiologist and provides anesthesia services and related care. An AA can only practice under the direct supervision of an anesthesiologist who is physically present or immediately available and must be licensed by the Missouri Board of Healing Arts. A supervising anesthesiologist shall be allowed to supervise up to four AAs concurrently, consistent with 42 CFR 415.110. An AA and a CRNA are not allowed to bill for the same anesthesia service.

## **Behavioral Health Providers**

MO HealthNet provides various behavioral health services including psychiatric diagnostic evaluations, individual psychotherapy, group psychotherapy, family psychotherapy, psychological testing, smoking behavioral change, Health and Behavior Assessment and Intervention, and crisis psychotherapy. The following providers are authorized to serve MO HealthNet eligible children under the age of 21:

- Psychiatrists
- Licensed Psychologists (including provisional licensees)
- Licensed Clinical Social Workers (including provisional licensees)
- Licensed professional counselors (including provisional licensees)

The following providers are authorized to serve MO HealthNet eligible adults:

- Psychiatrists
- Licensed Psychologists (including provisional licensees)
- Licensed Clinical Social Workers (including provisional licensees) only if the service is provided in an FQHC or RHC

Services provided by licensed professional counselors to adults in any setting are not reimbursable.

## **Clinic**

Clinics offer preventive, diagnostic, therapeutic, rehabilitative or palliative services that are furnished by a facility that are not part of a hospital but are organized and operated to provide medical care to outpatients. Services furnished to outpatients include those furnished at the clinic by, or under the direction of, a physician and those services furnished outside the clinic by clinic personnel under the direction of a physician.

## **Lab & X-Ray**

Laboratory and x-ray facilities provide examination and radiology services under the physician program. Laboratories perform examinations of body fluids, tissues or organs by the use of various methods employing specialized equipment such as electron microscopes and radio-immunoassay. A clinical laboratory is a laboratory where microbiological, serological, chemical, hematological, radio bioassay, cytological, immunohematological or pathological examinations are performed on material derived from the human body to provide information for the diagnosis, prevention or treatment of a disease or assessment of a medical condition. Operations of a laboratory are generally directed by a pathologist.

X-ray facilities offer radiological services in which x-rays or rays from radioactive substances are used for diagnostic or therapeutic purposes. Such services include, but are not limited to, radium therapy; radioisotopes for diagnostic or therapeutic purposes (e.g., in nuclear medicine); diagnostic tests such as aortograms, pyelograms, myelograms, arteriograms and ventriculograms; imaging services; x-rays; and diagnostic ultra-sounds. These operations are generally directed by a radiologist.

## **Independent Diagnostic Testing Facility (IDTF)**

These providers are independent of a hospital or a physician's office and offer medically necessary diagnostic tests. The IDTF may be a fixed location or a mobile entity. An IDTF must have one or more supervising physicians who are responsible for the direct and ongoing oversight of the quality of the testing performed, the proper operation and calibration of the equipment used to perform tests, and the qualification of non-physician personnel who use the equipment.

## **Ambulatory Surgical Center (ASC)**

An Ambulatory Surgical Center (ASC) is a free-standing facility functioning as an independent business and administrative entity which maintains neither a physical nor a fiscal relationship to a hospital. An

ASC is a facility designed, staffed, equipped, and operated for the primary purpose of providing surgical services. It is neither staffed nor equipped to provide overnight care to patients.

### **Rural Health Clinics (RHC)**

The Rural Health Clinic Services Act of 1977, designating rural health clinics as health care providers, extended benefits to cover health care services to under-served rural areas where access to traditional physician care had been difficult. In those areas, specifically trained practitioners furnish the health care services needed by the community. Rural health clinics must be located in a rural area that is designated a shortage area for primary care. To be eligible for this designation, a clinic must be located in an area not identified as "urbanized" by the Bureau of the Census and designated as a shortage or under-served area. RHCs must meet the additional staffing and health and safety requirements set forth by the Rural Health Clinic Services Act; be certified by the Public Health Service; be certified for participation in Medicare; and be enrolled as a MO HealthNet provider.

An RHC must be designated as either an independent or a provider-based RHC.

- Provider-based RHC: must be an integral and subordinate part of a hospital, skilled nursing facility, or home health agency and under common licensure, governance, and professional supervision with its parent provider.
- Independent RHC: has no financial, organizational or administrative connection to a hospital, skilled nursing facility or home health agency.

### **Federally Qualified Health Clinic (FQHC)**

The Omnibus Budget Reconciliation Acts of 1989 (OBRA 89) and 1990 (OBRA 90) designates certain community-based health care organizations as unique health care providers called Federally Qualified Health Centers. These laws establish health care services that MO HealthNet and Medicare must cover in an FQHC. The federal laws also set the reimbursement at reasonable cost to the FQHC for such services. In order to qualify for FQHC status, a facility must receive or be eligible for a grant under Section 329, 330 or 340 of the Public Health Service Act; meet the requirements for receiving such a grant; or have been a Federally Funded Health Center as of January 1, 1990.

The FQHC program has two goals:

1. To provide adequate reimbursement to community-based primary health care organizations (FQHCs) so that they, in turn, may better serve a large number of MO HealthNet participants and/or provide more services, thus improving access to primary care.
2. To enable FQHCs to use other resources previously subsidizing MO HealthNet to serve uninsured individuals who, although not eligible for MO HealthNet, have a difficult time obtaining primary care because of economic or geographic barriers.

## **Reimbursement Methodology**

The majority of services provided by physician-related professionals are reimbursed on a fee schedule although a few services are reimbursed manually, whereby each procedure or claim is priced individually

by a medical consultant based on the unique circumstances of the case. Certain procedures are only reimbursable with prior approval.

Services rendered by someone other than a physician or podiatrist, including appropriate supplies, are billable by the physician only where there is direct personal supervision by the physician. This applies to services rendered by auxiliary personnel employed by the physician and working under his/her on-site supervision such as nurses, non-physician anesthetists (including Certified Registered Nurse Anesthetists and Anesthesiologist Assistants), technicians, and other aides.

The following advanced practitioners can bill MO HealthNet independently from a physician, but must still operate within the terms of their collaborative practice arrangement with the physician:

- Advanced Practice Registered Nurses (APRN) and Nurse Practitioners (NP),
- Nurse Midwives,
- Physician Assistants (PA), and
- Assistant Physicians (AP) once licensed by the Board of Healing Arts.

The services of physicians, podiatrists, advanced practitioners, and behavioral health providers may be administered in multiple settings including the physician's office, the participant's home (or other place of residence such as a nursing facility), the hospital (inpatient/outpatient) or settings such as a medical clinic or ambulatory surgical care facility. The services of a nurse midwife may also be administered in the home of the participant (delivery and newborn care only) or a birthing center.

MO HealthNet reimbursement may also be made directly to the facility which employs the health care professionals. Facilities which receive direct payment from the physician-related services program include clinics, laboratory and x-ray facilities, independent diagnostic testing facilities (IDTF), rural health clinics (RHC), and federally qualified health clinics (FQHC, and hospitals (inpatient and outpatient). Each provider offering health care services through the facility, in addition to being employed by the participating clinic, must be a MO HealthNet provider. Ambulatory surgical centers are also reimbursed for a facility fee which does not include professional services of the performing practitioner.

### **FQHCs and RHCs**

The reimbursement methodology for RHCs and FQHCs is different than other physician-related services. FQHCs are reimbursed on an interim basis at a specified percentage of the billed MO HealthNet FQHC covered charges. For dates of service prior to January 1, 2016, FQHC services were reimbursed at 97% of the covered charges and for dates of service beginning January 1, 2016, FQHC service are reimbursed at 92% of the covered charges. FFS claims are submitted to the MHD and are paid at the applicable interim percentage. FQHCs that are contracted with MO HealthNet Managed Care health plans also receive payments from the health plan. For dates of service prior to July 1, 2015, FQHCs that were contracted with the health plans were paid a rate negotiated with the health plan and for dates of service beginning July 1, 2015, health plans are required to pay 90% of covered charges. An FQHC contracted with a health plan may submit a request to MHD for a supplemental interim payment for the difference between the health plan payment and the applicable interim payment percentage. Beginning January 1, 2016, these requests may only be submitted on a quarterly basis. An annual audit of the MO HealthNet cost report is performed by the Institutional Reimbursement Unit (IRU) to determine reasonable costs. A settlement is made to adjust the reimbursement to 100% of the reasonable costs to

provide MO HealthNet FQHC covered services.

Hospital-based, or provider-based, RHCs (PBRHCs) are reimbursed on an interim basis at the lower of 100% of their usual and customary charges or their cost-to-charge ratio. For dates of service beginning July 1, 2015, PBRHCs that are contracted with MO HealthNet Managed Care health plans are to be reimbursed by the health plan at 90% of covered charges. For dates of service prior to July 1, 2015, PBRHCs that were contracted with health plans were paid a rate negotiated with the health plan. A PBRHC contracted with a health plan may submit a request to MHD for a supplemental interim payment for the difference between the health plan payment and the applicable interim payment percentage. Beginning January 1, 2016, these requests may only be submitted on a quarterly basis. An annual review of the finalized Medicare cost report is done by the IRU to determine reasonable costs. A settlement is made to adjust the reimbursement to 100% of the reasonable costs to provide MO HealthNet PBRHC covered services. The RHCs that are based in skilled nursing facilities and home health agencies are reimbursed their usual and customary charges multiplied by the lower of the Medicare RHC rate or the rate approved by the MHD.

An independent RHC (IRHC) has no financial, organizational or administrative connection to a hospital, skilled nursing facility or home health agency. IRHCs are reimbursed on an interim basis at 100% of their Medicare RHC rate. For dates of service beginning July 1, 2015, IRHCs that are contracted with MO HealthNet Managed Care health plans are to be reimbursed by the health plan at 90% of the Medicare RHC rate. For dates of service prior to July 1, 2015, IRHCs that were contracted with health plans were paid a rate negotiated with the health plan. An IRHC contracted with a health plan may submit a request to MHD for a supplemental interim payment for the difference between the health plan payment and the applicable interim payment percentage. Beginning January 1, 2016, these requests may only be submitted on a quarterly basis. An annual audit of the Medicare cost report is reviewed by the IRU within the MO HealthNet Division to determine reasonable costs, which is subject to a limit of the Medicare cost per visit. A settlement is made to adjust the reimbursement to 100% of the reasonable costs to provide MO HealthNet IRHC covered services.

## Telehealth

Certain health professionals are also authorized to provide services through telehealth technology. The health professional receives reimbursement for services rendered according to the fee schedule. In addition, the originating site which hosts the MO HealthNet participant during the telehealth conference is eligible to receive an originating site facility fee. The MHD will not reimburse the originating site fee if the distant site and originating site are within 24 miles of one another.

## Copayment

A copayment, a portion of the providers' charges paid by the participant, is required on many physician related services and is determined in state regulation (13 CSR 70-4.050). According to 42 CFR Section 447.56(c) (1), MHD is required to reimburse providers a rate less any assessed co-pay. It is the responsibility of the provider to collect the copay from the participant. The copayment for a service can range from \$0.50 to \$3.00 for physician-related services; however, some services and participants are exempt from copay requirements. See additional detail below for copay exemptions.

## Health Homes

Practices that are enrolled in MO HealthNet's primary care or CMHC health home programs receive a per-member, per month (PMPM) reimbursement for each eligible health home patient enrolled in the program who receives health home services in a given month. See service information below for additional information on health homes.

## Physician-Related Services Rate History

7/1/17: 1.5% rate decrease for all physician related services.

7/1/16: 2% rate increase for all physician related services.

7/1/16: 3.79% rate increase for Medicare parity for physician-related services.

1/1/16: 1% rate increase for all physician related services.

1/1/13-12/31/14: Federally funded rate increase for certain physician specialties for primary care evaluation and management and services related to immunization administration for vaccines and toxoids.

The physician-related service providers experienced a 1% increase for approximately 5 months, in 2016, and an additional 2% increase in July 2016, totally a 3% rate increase for approximately 6 months in 2016. Even though there is a 1.5% rate decrease for physician related services on July 1, 2017, the rate will still be a 1.5% increase from the December 2015 rates. Furthermore, it is only a 1.5% decrease from the 2016 rates due to the 3% increase from the 2015 rates. Therefore, due to the short duration of the 3% increase and still experiencing a 1.5% increase, there is no expected negative impact on access. The physician related services will continue to receive the 1.5% increase in rates in 2017 as compared to 2015 rates.

## Access Monitoring Review Plan

The MHD currently utilizes multiple data sources and methodologies to guide state policies affecting access to Medicaid services and, as part of future enhancements to its analysis, will develop additional tools to inform whether participants have sufficient access to care. These tools will provide access to a larger body of data or organize the existing data in ways which illustrate the successes or gaps in FFS service access.

Currently, MHD publishes performance and demographic summary reports to keep the public informed regarding the performance of its programs and their impact on the health of Missouri participants in the Medicaid program. Below is a list of existing reports posted on the Missouri Department of Social Services (DSS) or MO HealthNet's website, which are updated monthly, annually or semi-annually.

**Quick Facts about DSS:** The MO HealthNet program provides a county level look of the number of people enrolled for MO HealthNet services; MO HealthNet dollars spent in a given state fiscal year; the estimated federal portion of the MO HealthNet dollars spent; MO HealthNet dollars for inpatient hospital services; MO HealthNet dollars for physician services; MO HealthNet

dollars for nursing home services; MO HealthNet dollars for pharmacy services; and MO HealthNet dollars for Managed Care payments.<sup>2</sup>

**DSS Performance Management Monthly Report:** The DSS Performance Management Monthly Reports (Dashboard) is a monthly publication which graphically indicates performance measures for DSS. Information contained in this publication is the best available at the time of publication for the indicated month. Because of delays in processing or pending data analysis, some data may not be updated for a given month. The latest month shown on each graph is the most current that was available at the time of publication for that month.<sup>3</sup>

**Missouri Family Support Division/MO HealthNet Division Monthly Management Report:** The Monthly Management Report is a monthly publication detailing information concerning the Temporary Assistance, Medicaid and Food Stamp programs administered by the Family Support Division and the MO HealthNet Division. Payment data is for informational purposes only and is not meant to provide an auditable account of expenditures. Unless otherwise indicated, information contained in this publication is intended for monthly use only. Counts of families and persons should NOT be summed from one month to the next to obtain aggregate values (3 month, 6 month, or 12 month totals etc.) as persons may receive assistance in more than one month.<sup>4</sup>

**Annual Summaries for Enrollment Data:** Provides MO HealthNet Managed Care health plan enrollment by state fiscal year.<sup>5</sup>

## Data to Assess Access: Future Tools and Reports

In addition to the various initiatives that were discussed previously, the MHD is working to develop additional tools to assess whether there is adequate access for specific provider types as well as for those providers who provide specific services. For future analysis, the MHD is considering to expand a “secret shopper” survey of FFS primary care provider and psychiatrist offices which is currently used to monitor the Managed Care health plans access. The MHD will also develop the reporting capability look at capturing or monitoring the impact of tele-medicine and tele-monitoring on providing adequate care for FFS participants.

The Department of Social Services, Missouri Medicaid Audit & Compliance Division (MMAC) is working on a number of initiatives in an effort to improve internal, administrative efficiencies and to improve the number of providers participating in the MO HealthNet program. The administrative efficiencies are intended to reduce and streamline the process of provider enrollment and re-verification, which should

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<sup>2</sup> <http://dss.mo.gov/mis/cqfacts/>. <http://dss.mo.gov/mis/cqfacts/2016-missouri-counties-quick-facts.pdf>.

<sup>3</sup> <http://dss.mo.gov/reports/dashboards/>.

<sup>4</sup> [http://dss.mo.gov/re/fsd\\_mhdmr.htm](http://dss.mo.gov/re/fsd_mhdmr.htm).

<sup>5</sup> <http://dss.mo.gov/mhd/mc/pages/enroll.htm>.

decrease the provider's administrative costs and consequently the reasons why a provider may not participate in the Medicaid program.

## Data to Assess Access: Service-Specific Analyses

Consistent with 42 CFR Section 447.203(5) (ii), MO HealthNet should analyze the following service categories:

- Primary care;
- Physician specialist;
- Behavioral health;
- Pre and post-natal obstetrics;
- Home health services

For the inaugural report regarding FFS access monitoring, MHD utilized existing resources, which were previously planned or completed with sufficient time for analysis and public comment. These resources include:

- 1) State Fiscal Year Rate Study
- 2) Fee-for-service Network Access Report
- 3) Utilization Report

### State Fiscal Year Rate Study

The MHD completes an annual review, required by State statute, of provider rates for specific types of services and provider types. The MHD used utilization data obtained from the Medicaid Management Information System (MMIS) for Ambulance, Audiology, Dental, Durable Medical Equipment, Optical, Physician and Rehabilitation Center Therapy for SFY-2017. These reports identified the type of service, provider type, units paid, paid amount, procedure codes, modifiers and the pricing indicator. The MO HealthNet allowed amount for SFY-2017 for all programs was obtained from the MMIS. The Medicare allowed amount as of January 1, 2017, was also obtained from the MMIS.

Section 208.152.1(23) of the Revised Statutes of Missouri requires the MHD to “*annually . . . report the status of MO HealthNet provider reimbursement rates as compared to one hundred percent of the Medicare reimbursement rates and compared to the average dental reimbursement rates paid by third-party payors licensed by the state.*” The MHD submitted rate studies on January 1, 2008 - 2016, and the July 2008, *Four-Year Plan to Reach Reimbursement Parity* (also referred to as the Four-Year Plan). This study is based on state fiscal year (SFY) 2017 rates.

### Methodology

Some MO HealthNet programs are not included in this report. Please see the table (*below*) for a detailed explanation.

<b>MO HealthNet Program Areas Excluded from SFY-2017 Rate Study</b>	
<b>MO HealthNet</b>	<b>Rationale</b>
Comprehensive Day Rehab	This program is unique to Missouri and valid Medicare comparisons are not available.
Federally Qualified Health Center (FQHC)	Per federal law, both Medicare and MO HealthNet reimburse FQHCs for 100% of costs. Cost settlements are based on data from audited cost reports.
Home Health	MO HealthNet reimburses on a per visit basis, while Medicare reimburses per episode of diagnosis. Valid comparisons between the two reimbursement methodologies are not possible.
Hospice	Rates are established annually by Medicare and authorized by Section 1814 (l) (1) (C) (ii) of the Social Security Act. Since MO HealthNet's reimbursement mirrors Medicare reimbursement, no adjustments are required.
Hospitals	MO HealthNet reimburses hospitals using a rate per day. Medicare reimburses hospitals through Diagnostic Related Groups (DRGs). Through the DRG system, Medicare has established set amounts to pay hospitals for each diagnosis. The reimbursement methodologies used by MO HealthNet and Medicare is different enough that no comparison is possible.
Non-Emergency Medical Transportation (NEMT)	Medicare does not cover NEMT. MO HealthNet NEMT capitated rates are paid for each participant based on a contractual arrangement with a third party vendor.
Nursing Facilities	Most nursing facility beds in Missouri are paid through the MO HealthNet program using a rate per day based on individual cost reports. Comparability to Medicare is not possible because Medicare only pays for nursing facility care in very limited circumstances and then for only a very limited time in limited amounts.
Pharmacy	MO HealthNet reimburses at the lower of Wholesale Acquisition Cost (WAC) plus 10%, the Federal Upper Limit (FUL), the Missouri Maximum Acquisition Cost (MAC) or billed charge. Medicare Part D is based on capitated rates and comparability to MO HealthNet Pharmacy is not possible.
Rural Health Center (RHC)	Per federal law, both Medicare and MO HealthNet reimburse independent RHCs for 100% of allowable cost per visit up to a cap established by CMS. Provider based (hospital based) RHCs are paid based on a ratio of Medicaid charges to total charges. Cost settlements are based on data from audited cost reports.
State Institutions	The reimbursement methodology for state institutions is similar to that of the MO HealthNet Hospital program.
School-Based Therapy	Services are provided for children in a school-based setting. Medicare does not reimburse for these types of services.

### *Comparison to MO HealthNet Rates When Medicare or Dental Rates Were Available*

- When available, the current Medicare allowed amount was obtained through the MMIS.
- For Dental rates, MHD used the *2016 National Dental Advisory Service Fee Report* (Yale Wasserman, 2016). Target rates were at the 50<sup>th</sup> percentile, meaning half of dentists charge more and half charge less than the target rate. This is referred to as the Usual, Customary, and Reasonable (UCR) target throughout the report.
- Data was grouped according to the age of the participant on the date the service was provided. Children were defined as individuals under the age of 21, and adults were defined as individuals age 21 and over.
- Codes were grouped together logically for each program area. Codes not utilized in SFY-2015 were excluded from the analysis.
- The reported measures include number of codes, units of service, MHD cost, comparison group cost and the MHD cost as a percentage of the comparison group.
- The MHD cost was computed by multiplying the number of units delivered for each code by the current MO HealthNet allowed amount. This calculation was used instead of the amount paid because the amount paid may reflect adjustments made which are unrelated to the rate.
- The comparison group cost was calculated by multiplying the number of units delivered for each code by the current allowable Medicare or dental UCR.
- The percentage comparison rate was calculated by measuring the MHD cost as a percentage of the comparison group.

### *Analysis of MO HealthNet Rates with No Medicare Comparison*

Codes were grouped into the “no Medicare comparison group” if:

- MHD reimburses the code but Medicare does not reimburse the code; or
- MHD manually prices the code and there is no valid Medicare comparison.

The tables below reflect the estimated SFY-2017 paid amount based on SFY-2016 utilization and SFY-2017 rates, and the comparison with the FY-2015 Rate Study.

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison*</b>						
FFS Total	Ground Mileage	2	982,972	\$3,548,529	\$7,185,525	49%
	Ground Transport, Services & Supplies	21	64,130	\$18,070,874	\$24,001,624	75%
	Air Mileage	3	40,109	\$154,429	\$1,332,348	12%
	Air Transport, Services & Supplies	4	882	\$1,802,004	\$4,005,617	45%
MC-like Children	Ground Mileage	2	347,072	\$1,252,930	\$2,537,096	49%
	Ground Transport, Services & Supplies	22	20,427	\$2,915,902	\$4,068,551	72%
	Air Mileage	3	43,403	\$156,836	\$1,276,185	12%
	Air Transport, Services & Supplies	5	486	\$1,115,593	\$2,350,630	47%
MC-like Adults	Ground Mileage	1	144,711	\$522,407	\$1,057,837	49%
	Ground Transport, Services & Supplies	12	6,897	\$2,000,309	\$2,638,031	76%
	Air Mileage	3	9,672	\$36,719	\$312,898	12%
	Air Transport, Services & Supplies	4	163	\$360,528	\$798,240	45%
<b>Subtotal Codes with Medicare Comparison</b>			1,660,924	\$31,937,060	\$51,564,582	62%
<b>Codes with No Medicare Comparison</b>						
FFS Total	Ground Transport, Services & Supplies	4	85	\$870		
	Air Transport, Services & Supplies	4	461	\$7,076		
MC-like Children	Ground Transport, Services & Supplies	2	11	\$155		
	Air Transport, Services & Supplies	5	218	\$2,905		
MC-like Adults	Ground Transport, Services & Supplies	1	2	\$21		
	Air Transport, Services & Supplies	4	84	\$1,107		
<b>Subtotal Codes without Medicare Comparison</b>			861	\$12,134		
<b>Ambulance Total</b>			<b>1,661,785</b>	<b>\$31,949,194</b>		

\* Represents base rates to ambulance providers.

### To Compare with FY15 Rate Study

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % Comparison Group
<b>Codes with Medicare Comparison *</b>						
Children	Ground Mileage		347,072	\$1,252,930	\$2,537,096	49%
	Ground Transport, Services & Supplies		20,427	\$2,915,902	\$4,068,551	72%
	Air Mileage		43,403	\$156,836	\$1,276,185	12%
	Air Transport, Services & Supplies		486	\$1,115,593	\$2,350,630	47%
Adults	Ground Mileage		1,127,683	\$4,070,936	\$8,243,362	49%
	Ground Transport, Services & Supplies		71,027	\$20,071,183	\$26,639,655	75%
	Air Mileage		49,781	\$191,148	\$1,645,246	12%
	Air Transport, Services & Supplies		1,045	\$2,162,532	\$4,803,857	45%
<b>Subtotal Codes with Medicare Comparison</b>			1,660,924	\$31,937,060	\$51,564,582	62%
<b>Codes with No Medicare Comparison</b>						
Children	Ground Transport, Services & Supplies		11	\$155		
	Air Transport, Services & Supplies		218	\$2,905		
Adults	Ground Transport, Services & Supplies		87	\$891		
	Air Transport, Services & Supplies		545	\$8,183		
<b>Subtotal Codes without Medicare Comparison</b>			861	\$12,134		
<b>Ambulance Total</b>			<b>1,661,785</b>	<b>\$31,949,194</b>		



Audiology

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
FFS Total	Evaluations & Testing	28	1,545	\$45,975	\$72,636	63%
MC-like Children	Evaluations & Testing	36	12,442	\$209,545	\$390,747	54%
MC-like Adults	Evaluations & Testing	5	113	\$2,257	\$4,155	54%
<b>Subtotal Codes with Medicare Comparison</b>			14,100	\$257,777	\$467,538	55%
<b>Codes with No Medicare Comparison</b>						
FFS Total	Repairs/Replacement Parts	12	2,910	\$20,778		
	Hearing Aids	38	791	\$229,838		
MC-like Children	Repairs/Replacement Parts	10	7,748	\$29,678		
	Hearing Aids	33	710	\$243,078		
MC-like Adults	Repairs/Replacement Parts	4	4	\$72		
	Hearing Aids	3	4	\$989		
<b>Subtotal Codes without Medicare Comparison</b>			12,167	\$524,433		
<b>Audiology Total</b>			<b>26,267</b>	<b>\$782,210</b>		

Adult eligibility for the Audiology program is limited to blind persons, pregnant women, and nursing facility residents (including ICF/IDD).

To Compare with FY15 Rate Study

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
Children	Evaluations & Testing		12,442	\$209,545	\$390,747	54%
Adults	Evaluations & Testing		1,658	\$48,232	\$76,791	63%
<b>Subtotal Codes with Medicare Comparison</b>			14,100	\$257,777	\$467,538	55%
<b>Codes with No Medicare Comparison</b>						
Children	Repairs/Replacement Parts		7,748	\$29,678		
	Hearing Aids		710	\$243,078		
Adults	Repairs/Replacement Parts		2,914	\$20,850		
	Hearing Aids		795	\$230,827		
<b>Subtotal Codes without Medicare Comparison</b>			12,167	\$524,433		
<b>Audiology Total</b>			<b>26,267</b>	<b>\$782,210</b>		



Provider Reimbursement Rate Study  
SFY 2017 Rates

Dental

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with UCR Comparison</b>						
FFS	Dental Services	118	36,588	\$1,928,702	\$6,266,851	31%
MC-like Children	Dental Services	122	349,672	\$11,252,665	\$33,916,795	33%
MC-like Adults	Dental Services	84	9,469	\$494,773	\$1,557,483	32%
<b>Subtotal Codes with UCR Comparison</b>			395,729	\$13,676,140	\$41,741,129	33%
<b>Codes with Medicare Comparison</b>						
FFS	Dental Services	29	16,621	\$1,133,344	\$2,108,276	54%
MC-like Children	Dental Services	21	23,058	\$1,573,142	\$2,770,293	57%
MC-like Adults	Dental Services	20	3,399	\$237,300	\$439,151	54%
<b>Subtotal Codes with Medicare Comparison</b>			43,078	\$2,943,786	\$5,317,720	55%
<b>Total Codes with UCR and Medicare Comparisons</b>				\$16,619,926	\$47,058,849	35%
<b>Dental Rate Parity</b>						
<b>Codes with No Medicare Comparison</b>						
FFS	Dental Services	6	15	\$475		
MC-like Children	Dental Services	14	649	\$18,815		
MC-like Adults	Dental Services	1	3	\$52		
<b>Subtotal Codes without Medicare Comparison</b>			667	\$19,342		
<b>Orthodontics</b>						

MO HealthNet covers orthodontic treatment for children. The treatment must be prior authorized. The rate of reimbursement is determined by the severity of the case. MO HealthNet pays a 25% down payment, then quarterly payments for 24 months. During SFY-2016, 2,155 units were billed. MO HealthNet's cost was \$479,419.

To Compare with FY15 Rate Study

Dental

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with UCR Comparison</b>						
Children	Dental Services		349,672	\$11,252,665	\$33,916,795	33%
Adults	Dental Services		46,057	\$2,423,475	\$7,824,334	31%
<b>Subtotal Codes with UCR Comparison</b>			395,729	\$13,676,140	\$41,741,129	33%
<b>Codes with Medicare Comparison</b>						
Children	Dental Services		23,058	\$1,573,142	\$2,770,293	57%
Adults	Dental Services		20,020	\$1,370,644	\$2,547,427	54%
<b>Subtotal Codes with Medicare Comparison</b>			43,078	\$2,943,786	\$5,317,720	55%
<b>Total Codes with UCR and Medicare Comparisons</b>				\$16,619,926	\$47,058,849	35%
<b>Dental Rate Parity</b>						
<b>Codes with No Medicare Comparison</b>						
MC Children	Dental Services		649	\$18,815		
MC Adults	Dental Services		18	\$527		
<b>Subtotal Codes without Medicare Comparison</b>			667	\$19,342		
<b>Dental Total</b>		<b>439,474</b>		<b>\$16,639,268</b>		



Provider Reimbursement Rate Study  
FY 2017 Rates

Durable Medical Equipment

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost *	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
FFS	Supplies-Purchase	228	581,768	\$2,880,499	\$2,956,439	97%
	Equipment-Purchase	202	18,595	\$7,251,257	\$8,664,075	84%
	Equipment-Rental	79	124,723	\$13,414,474	\$11,897,042	113%
	Orthotic & Prosthetic-Purchase	382	24,313	\$6,371,923	\$8,386,916	76%
MC-like Children	Supplies-Purchase	136	262,907	\$756,399	\$793,441	95%
	Equipment-Purchase	137	8,675	\$1,644,182	\$1,884,213	87%
	Equipment-Rental	48	16,734	\$1,497,014	\$1,448,691	103%
	Orthotic & Prosthetic-Purchase	263	15,163	\$2,133,777	\$2,929,511	73%
MC-like Adults	Supplies-Purchase	60	12,954	\$109,382	\$105,694	103%
	Equipment-Purchase	60	763	\$176,478	\$188,223	94%
	Equipment-Rental	35	4,571	\$454,301	\$352,920	129%
	Orthotic & Prosthetic-Purchase	140	2,220	\$395,035	\$521,316	76%
<b>Subtotal Codes with Medicare Comparison</b>			1,073,386	\$37,084,721	\$40,128,481	92%
<b>Codes with No Medicare Comparison</b>						
FFS	Supplies-Purchase	73	2,307,807	\$1,802,463		
	Enteral & Parenteral Therapy-Purchase	58	2,421,273	\$4,532,929		
	Equipment-Purchase	118	5,217	\$3,087,732		
	Equipment-Rental	16	16,780	\$1,171,139		
	Orthotic & Prosthetic-Purchase	23	4,318	\$65,285		
	Repairs	249	26,926	\$1,956,229		
MC-like Children	Supplies-Purchase	58	1,359,580	\$1,071,137		
	Enteral & Parenteral Therapy-Purchase	41	2,561,706	\$4,821,144		
	Equipment-Purchase	30	591	\$742,216		
	Equipment-Rental	11	1,999	\$1,102,243		
	Orthotic & Prosthetic-Purchase	20	727	\$180,452		
	Repairs	86	3,407	\$157,848		
MC-like Adults	Supplies-Purchase	9	6,527	\$61,878		
	Enteral & Parenteral Therapy-Purchase	16	7,574	\$34,955		
	Equipment-Purchase	4	131	\$8,909		
	Equipment-Rental	4	370	\$5,591		
	Orthotic & Prosthetic-Purchase	3	46	\$2,307		
	Repairs	10	72	\$4,013		
<b>Subtotal Codes without Medicare Comparison</b>			8,725,051	\$20,808,470		

## To Compare with FY15 Rate Study

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost *	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
MC Children	Supplies-Purchase		262,907	\$756,399	\$793,441	95%
	Equipment-Purchase		8,675	\$1,644,182	\$1,884,213	87%
	Equipment-Rental		16,734	\$1,497,014	\$1,448,691	103%
	Orthotic & Prosthetic-Purchase		15,163	\$2,133,777	\$2,929,511	73%
MC Adults	Supplies-Purchase		594,722	\$2,989,881	\$3,062,133	98%
	Equipment-Purchase		19,358	\$7,427,735	\$8,852,298	84%
	Equipment-Rental		129,294	\$13,868,775	\$12,249,962	113%
	Orthotic & Prosthetic-Purchase		26,533	\$6,766,958	\$8,908,232	76%
<b>Subtotal Codes with Medicare Comparison</b>			1,073,386	\$37,084,721	\$40,128,481	92%
<b>Codes with No Medicare Comparison</b>						
MC Children	Supplies-Purchase		1,359,580	\$1,071,137		
	Enteral & Parenteral Therapy-Purchase		2,561,706	\$4,821,144		
	Equipment-Purchase		591	\$742,216		
	Equipment-Rental		1,999	\$1,102,243		
	Orthotic & Prosthetic-Purchase		727	\$180,452		
	Repairs		3,407	\$157,848		
MC Adults	Supplies-Purchase		2,314,334	\$1,864,341		
	Enteral & Parenteral Therapy-Purchase		2,428,847	\$4,567,884		
	Equipment-Purchase		5,348	\$3,096,641		
	Equipment-Rental		17,150	\$1,176,730		
	Orthotic & Prosthetic-Purchase		4,364	\$67,592		
	Repairs		26,998	\$1,960,242		
<b>Subtotal Codes without Medicare Comparison</b>			8,725,051	\$20,808,470		

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Provider Reimbursement Rate Study  
SFY 2017 Rates

Optical

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
FFS Total	Exams/Procedures	58	34,594	\$1,264,602	\$3,570,943	35%
FFS Total	Frames/Lens	151	107,189	\$2,742,581	\$6,154,209	45%
MC-like Children	Exams/Procedures	44	43,236	\$1,934,839	\$5,273,087	37%
MC-like Children	Frames/Lens	115	116,317	\$1,975,763	\$5,658,131	35%
MC-like Adults	Exams/Procedures	46	7,054	\$298,219	\$841,873	35%
MC-like Adults	Frames/Lens	94	16,092	\$305,039	\$831,585	37%
<b>Subtotal Codes with Medicare Comparison</b>		<b>508</b>	<b>324,482</b>	<b>\$8,521,043</b>	<b>\$22,329,828</b>	<b>38%</b>
<b>Codes with No Medicare Comparison</b>						
FFS Total	Exams/Procedures/Frames/Lens	11	29,472	\$261,069		
MC-like Children	Exams/Procedures/Frames/Lens	12	33,768	\$180,236		
MC-like Adults	Exams/Procedures/Frames/Lens	5	4,945	\$29,402		
<b>Subtotal Codes without Medicare Comparison</b>		<b>28</b>	<b>68,185</b>	<b>\$470,707</b>		
<b>Optical Total</b>			<b>392,667</b>	<b>\$8,991,750</b>		

To Compare with FY15 Rate Study

Optical

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
Children	Exams/Procedures		43,236	\$1,934,839	\$5,273,087	37%
Children	Frames/Lens		116,317	\$1,975,763	\$5,658,131	35%
Adults	Exams/Procedures		41,648	\$1,562,821	\$4,412,816	35%
Adults	Frames/Lens		123,281	\$3,047,620	\$6,985,794	44%
<b>Subtotal Codes with Medicare Comparison</b>			<b>324,482</b>	<b>\$8,521,043</b>	<b>\$22,329,828</b>	<b>38%</b>
<b>Codes with No Medicare Comparison</b>						
Children	Exams/Procedures/Frames/Lens		33,768	\$180,236		
Adults	Exams/Procedures/Frames/Lens		34,417	\$290,471		
<b>Subtotal Codes without Medicare Comparison</b>			<b>68,185</b>	<b>\$470,707</b>		
<b>Optical Total</b>			<b>392,667</b>	<b>\$8,991,750</b>		



Provider Reimbursement Rate Study  
SFY 2017 Rates

Physicians

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
FFS Total	X-ray	1,329	701,756	\$19,810,228	\$26,638,455	74%
	Anesthesia	609	4,622,669	\$3,977,611	\$8,482,189	47%
	Lab	842	875,934	\$18,101,056	\$19,596,959	92%
	Dental billed by Physician	52	167	\$46,634	\$86,684	54%
	Surgery	3,498	174,614	\$38,194,978	\$65,215,066	59%
	Medical Services	1,374	1,614,614	\$87,012,124	\$150,416,039	58%
	Vaccines & Immunization Administration	19	7,286	\$87,785	\$179,959	49%
	Ambulatory Surgical Center	537	7,396	\$2,536,429	\$3,163,834	80%
MC-like Children	X-ray	870	185,129	\$3,818,954	\$5,227,658	73%
	Anesthesia	419	2,050,414	\$1,818,749	\$3,845,030	47%
	Lab	712	316,648	\$5,948,947	\$6,280,090	95%
	Dental billed by Physician	38	81	\$27,045	\$51,219	53%
	Surgery	1,994	50,551	\$10,288,319	\$16,015,833	64%
	Medical Services	866	2,168,280	\$70,310,013	\$143,994,845	49%
	Vaccines & Immunization Administration	16	66,163	\$464,239	\$5,000,924	9%
	Ambulatory Surgical Center	202	2,476	\$771,141	\$1,122,396	69%
MC-like Adults	X-ray	929	142,061	\$4,540,222	\$6,537,423	69%
	Anesthesia	407	1,760,995	\$1,440,152	\$3,146,193	46%
	Lab	704	235,689	\$5,091,980	\$5,675,010	90%
	Dental billed by Physician	25	42	\$13,000	\$23,250	56%
	Surgery	1,637	38,518	\$13,932,253	\$22,599,454	62%
	Medical Services	704	234,288	\$12,409,378	\$21,146,481	59%
	Vaccines & Immunization Administration	4	2,444	\$31,070	\$57,856	54%
	Ambulatory Surgical Center	315	1,172	\$418,255	\$620,876	67%
<b>Subtotal Codes with Medicare Comparison</b>			15,259,387	\$301,090,561	\$515,123,724	58%
<b>Codes with UCR Comparison</b>						
FFS Total	Dental billed by Physician	45	1,637	\$184,433	\$607,484	30%
MC-like Children	Dental billed by Physician	48	10,751	\$645,979	\$1,836,823	35%
MC-like Adults	Dental billed by Physician	20	627	\$82,195	\$249,595	33%
<b>Subtotal Codes with UCR Comparison</b>			13,015	\$912,607	\$2,693,902	34%
<b>Total Codes with UCR and Medicare Comparisons</b>					<b>Physician Rate Parity</b>	
			15,272,402	\$302,003,168	\$517,817,626	58%

Codes with No Medicare Comparison				
FFS Total	X-ray	43	7,321	\$78,178
	Lab	35	41,178	\$2,993,523
	Surgery	78	2,323	\$396,395
	Medical Services	138	125,251	\$11,572,861
	Vaccines & Immunization Administration	18	740	\$6,818
	Ambulatory Surgical Center	32	1,170	\$68,279
MC-like Children	X-ray	76	16,114	\$166,252
	Lab	30	4,161	\$667,960
	Surgery	46	427	\$89,440
	Medical Services	131	112,225	\$7,516,852
	Vaccines & Immunization Administration	21	103,906	\$1,257,667
	Ambulatory Surgical Center	10	49,891	\$323,090
MC-like Adults	X-ray	25	857	\$7,822
	Lab	26	8,277	\$952,956
	Surgery	34	812	\$73,857
	Medical Services	61	18,269	\$929,350
	Vaccines & Immunization Administration	0	0	\$0
	Ambulatory Surgical Center	20	77	\$8,117
<b>Subtotal Codes without Medicare Comparison</b>			492,999	\$27,109,417

### To Compare with FY15 Rate Study

Codes with Medicare Comparison		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % Comparison Group
Child	X-ray		185,129	\$3,818,954	\$5,227,658	73%
	Anesthesia		2,050,414	\$1,818,749	\$3,845,030	47%
	Lab		316,648	\$5,948,947	\$6,280,090	95%
	Dental billed by Physician		81	\$27,045	\$51,219	53%
	Surgery		50,551	\$10,288,319	\$16,015,833	64%
	Medical Services		2,168,280	\$70,310,013	\$143,994,845	49%
	Vaccines & Immunization Administration		66,163	\$464,239	\$5,000,924	9%
	Ambulatory Surgical Center		2,476	\$771,141	\$1,122,396	69%
<b>Subtotal Codes with Medicare Comparison</b>			15,259,387	\$301,090,561	\$515,123,724	58%
Codes with UCR Comparison						
Child	Dental billed by Physician		10,751	\$645,979	\$1,836,823	35%
Adult	Dental billed by Physician		2,264	\$266,628	\$857,079	31%
<b>Subtotal Codes with UCR Comparison</b>			13,015	\$912,607	\$2,693,902	34%
<b>Total Codes with UCR and Medicare Comparisons</b>			15,272,402	\$302,003,168	\$517,817,626	58%
				<b>Physician Rate Parity</b>		

Codes with No Medicare Comparison			
Child	X-ray	16,114	\$166,252
	Lab	4,161	\$667,960
	Surgery	427	\$89,440
	Medical Services	112,225	\$7,516,852
	Vaccines & Immunization Administration	103,906	\$1,257,667
	Ambulatory Surgical Center	49,891	\$323,090
Adult	X-ray	8,178	\$86,000
	Lab	49,455	\$3,946,479
	Surgery	3,135	\$470,252
	Medical Services	143,520	\$12,502,211
	Vaccines & Immunization Administration	740	\$6,818
	Ambulatory Surgical Center	1,247	\$76,396
<b>Subtotal Codes with Medicare Comparison</b>		492,999	\$27,109,417

**Provider Reimbursement Rate Study  
SFY 2017 Rates**

**Rehab Therapy Center**



		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
FFS Total	Therapies, Tests and Evaluations	16	1,836	\$18,904	\$64,498	29%
MC-like Children	Therapies, Tests and Evaluations	17	4,506	\$46,304	\$213,025	22%
MC-like Adults	Therapies, Tests and Evaluations	0	0	\$0	\$0	
<b>Subtotal Codes with Medicare Comparison</b>		33	6,342	\$65,208	\$277,523	23%
<b>Codes with No Medicare Comparison</b>						
FFS Total	Therapies, Tests and Evaluations	1	31	\$319		
MC-like Children	Therapies, Tests and Evaluations	1	81	\$834		
MC-like Adults	Therapies, Tests and Evaluations	0	0	\$0		
<b>Subtotal Codes without Medicare Comparison</b>		2	112	\$1,153		
<b>Rehab Therapy Center Total</b>			<b>6,454</b>	<b>\$66,361</b>		

**To Compare with FY15 Rate Study**

**Rehab Therapy**

		Number of Codes	Units of Service	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with Medicare Comparison</b>						
Children	Therapies, Tests and Evaluations		4,506	\$46,304	\$213,025	22%
Adults	Therapies, Tests and Evaluations		1,836	\$18,904	\$64,498	29%
<b>Subtotal Codes with Medicare Comparison</b>			6,342	\$65,208	\$277,523	23%
<b>Codes with No Medicare Comparison</b>						
Children	Therapies, Tests and Evaluations		81	\$834		
Adults	Therapies, Tests and Evaluations		31	\$319		
<b>Subtotal Codes without Medicare Comparison</b>			112	\$1,153		
<b>Rehab Therapy Total</b>			<b>6,454</b>	<b>\$66,361</b>		



	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with a Medicare or UCR Comparison</b>			
Ambulance	\$31,937,060	\$51,564,582	62%
Audiology	\$257,777	\$467,538	55%
Dental	\$16,619,926	\$47,058,849	35%
DME	\$37,084,721	\$40,128,481	92%
Optical	\$8,521,043	\$22,329,828	38%
Physician	\$302,003,168	\$517,817,626	58%
Rehab Center Therapy	\$65,208	\$277,523	23%
<b>Subtotal Codes with a Medicare or UCR Comparison</b>	<b>\$396,488,903</b>	<b>\$679,644,427</b>	<b>58%</b>
<b>Codes with No Comparison</b>			
Ambulance	\$12,134		
Audiology	\$782,210		
Dental	\$498,361		
DME	\$20,808,470		
Optical	\$470,707		
Physician	\$27,109,417		
Rehab Center Therapy	\$1,153		
<b>Subtotal Codes without Comparison</b>	<b>\$49,682,452</b>		

## Factors Influencing the Parity Comparison

- Several factors may influence the parity comparison between MHD and Medicare rates:
  - If a specific Medicare rate was lowered and the MO HealthNet rate remained constant then the parity percentage for that code would have increased. Conversely, if Medicare raised its rate and the MO HealthNet rate remained constant then the parity percentage decreased.
  - The UCR target for the Dental program could have changed from the previous year. Therefore, a similar effect may have occurred in the Dental program.
  - The methodology used in calculating the comparison costs' aggregated codes, their rates and utilization may influence findings. Utilization reports were updated to SFY-2016 utilization. If utilization changed between years, the percentage of parity may have fluctuated, too. Likewise, the addition of newly utilized codes in SFY-2016 would influence the parity percentage.
- As required by Section 1834(a)(1)(F)(ii) of the Social Security Act, certain Medicare rates for Durable Medical Equipment, Prosthetics, Orthotics, and Supplies (DMEPOS) equipment received a fee schedule adjustment. Rates were phased in starting on January 1, 2016, so that the fee schedule amounts in all areas were based on a 50/50 blend of current rates and adjusted rates. This allowed a six-month transition period where health outcomes and access to these items and services could be closely monitored. The fully adjusted rates were phased in on July 1, 2016. This resulted in an increase in parity for those affected rates.
- Providers received a fee schedule rate increase approved by the Governor and the General Assembly beginning SFY-2016 which resulted in an increase in parity for those fee schedule services.

## Missouri Vaccine for Children Program

Through the Vaccine for Children (VFC) Program, federally provided vaccines are available at no cost to MO HealthNet providers for eligible children ages 0-18 years of age. MO HealthNet reimburses providers for the administration of the free vaccine. MO HealthNet currently reimburses \$5.53 per vaccine component.

The legislation that created the VFC program required that the federal government establish a limit on the amount of money that a provider can charge for the administration of the vaccines to VFC-eligible children. Each state has a different limit; Missouri's limit is \$21.53.

## Primary Care Rate Increase

Between January 1, 2013 and December 31, 2014, payments for primary care services furnished by a physician with a primary specialty or subspecialty of family medicine, general internal medicine, or pediatric medicine was paid at parity with Medicare. The primary care services covered are for Evaluation and Management Healthcare Common Procedure Coding System (HCPCS) codes 99201-99499 and services related to immunization administration for vaccines and toxoids Current Procedural Terminology (CPT) codes 90465, 90466, 90467, 90468, 90471, 90472, 904723, 90474, or their successor codes. The primary care rate increase amounts are reported separately in the tables above of this report. The primary care rate increase amounts are not included in the MO HealthNet Rate Parity table below.



### Provider Reimbursement Rate Study SFY 2017 Rates

#### Summary

	MHD Cost	Comparison Group Cost	MHD as % of Comparison Group
<b>Codes with a Medicare or UCR Comparison</b>			
Ambulance	\$31,937,060	\$51,564,582	62%
Audiology	\$257,777	\$467,538	55%
Dental	\$16,619,926	\$47,058,849	35%
DME	\$37,084,721	\$40,128,481	92%
Optical	\$8,521,043	\$22,329,828	38%
Physician	\$302,003,168	\$517,817,626	58%
Rehab Center Therapy	\$65,208	\$277,523	23%
<b>Subtotal Codes with a Medicare or UCR Comparison</b>	<b>\$396,488,903</b>	<b>\$679,644,427</b>	<b>58%</b>
<b>Codes with No Comparison</b>			
Ambulance	\$12,134		
Audiology	\$782,210		
Dental	\$498,361		
DME	\$20,808,470		
Optical	\$470,707		
Physician	\$27,109,417		
Rehab Center Therapy	\$1,153		
<b>Subtotal Codes without Comparison</b>	<b>\$49,682,452</b>		

## Conclusion

The overall MO HealthNet rate for the SFY-2017 rate study is 58% of Medicare. This is a 2% increase from the percentage found in the SFY-2016 rate study.

MO HealthNet Rate Parity		
Program	SFY-2017 Rates as a Percentage of Medicare	SFY-2016 Rates as a Percentage of Medicare
Ambulance	62%	52%
Audiology	55%	56%
Dental*	35%	34%
Durable Medical Equipment	92%	85%
Optical	38%	39%
Physician	58%	57%
Rehabilitation Center Therapy	23%	22%
*Dental is compared to the Medicare rate when available or the Usual, Customary, and Reasonable (UCR) rate		

### References

*Physicians' Current Procedural Terminology (1999). 2010 ed. American Medical Association.*

*Yale Wasserman, (2016). 2016 National Dental Advisory Service Fee Report. Medical Publishers, Ltd.*

## Pharmacy Program

The MO HealthNet Pharmacy Program oversees outpatient prescription drug reimbursement for FFS eligibles. Effective January 1, 1991, the Omnibus Budget Reconciliation Act of 1990 (OBRA-90) pharmacy provisions significantly expanded the coverage to include reimbursements for all drug product of manufacturers who have entered into a rebate agreement with the Federal Department of Health and Human Services (HHS) and that are dispensed by qualified providers. States have the authority for certain exceptions and to exclude from coverage certain specified categories of drugs. In addition, OBRA-90 included provisions requiring both a prospective and retrospective drug use review program.

All drug products produced by manufacturers that have entered into a rebate agreement with the Federal Government are reimbursable under the MO HealthNet Pharmacy Program, with the exception of Drug Efficacy Study Implementation (DESI) drugs. A list of manufacturers that have entered into an agreement with the Federal Government (along with the first five digits of the NDC number by which products may be identified), can be found in Drug Manufacturer Contact Information at <https://data.medicaid.gov/Drug-Pricing-and-Payment/Drug-Products-in-the-Medicaid-Drug-Rebate-Program/v48d-4e3e/data>. Products for which the first five digits of NDC numbers are not included on the list are not reimbursable under the MO HealthNet Pharmacy Program and are not available through any prior authorization program. The federal Centers for Medicare & Medicaid Services (CMS) has required that participating manufactures identify products with are affected by the Drug Efficacy Study Implementation (DESI). CMS has instructed state Medicaid programs that products identified as such are

not subject to federal financial participation and are therefore not reimbursable under the MO HealthNet Pharmacy Program. All prescriptions filled for eligible participants must be filled in accordance with Chapter 338 of the Missouri Board of Pharmacy statutes.

To comply with the Deficit Reduction Act of 2005 (DRA) states must now collect the 11-digit National Drug Codes (NDC) on all outpatient drug claims submitted to the MO HealthNet program for rebate purposes. Providers are required to submit their claims for all medications administered in the clinic or outpatient hospital setting, with the exact NDC that appears on the product dispensed or administered. Should a dispute arise between MO HealthNet utilization data and a manufacturer's estimation of product sold, data is supplied to the manufacturer to resolve the dispute. If necessary, zip code or provider-specific utilization data is provided. Should data indicate that a provider is billing fraudulently by using NDCs other than those identifying the actual product dispensed, the information is referred to the Missouri Medicaid Audit & Compliance (MMAC) Unit and may result in legal action, provider sanctions and possible termination from the program.

## Restructuring Rates for Pharmacies

Effective April 1, 2017, reimbursement for pharmacy claims will be determined by applying the following hierarchy methodology:

- Federal Upper Limit (FUL) price, plus professional dispensing fee
- If there is no FUL, Missouri Maximum Allowed Cost (MAC), plus professional dispensing fee
- If no FUL or MAC, Wholesale Acquisition Cost (WAC) minus 3.1%, plus professional dispensing fee, or the usual and customary (U&C) charge submitted by the provider, if it is lower than the chosen price (FUL, MAC, or WAC)

The MHD may *not* be billed an amount in excess of the provider's U&C charge for a particular service.

**NOTE:** The professional dispensing fee will only be added to prescriptions filled or refilled by a pharmacy provider.

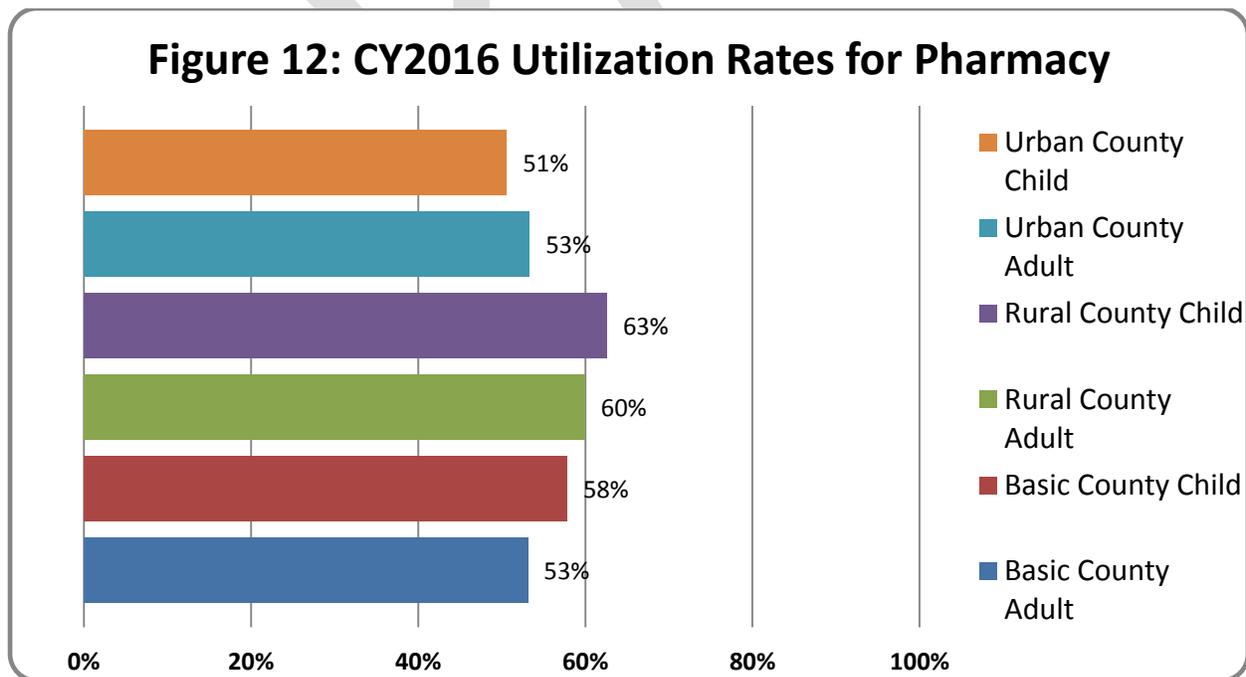
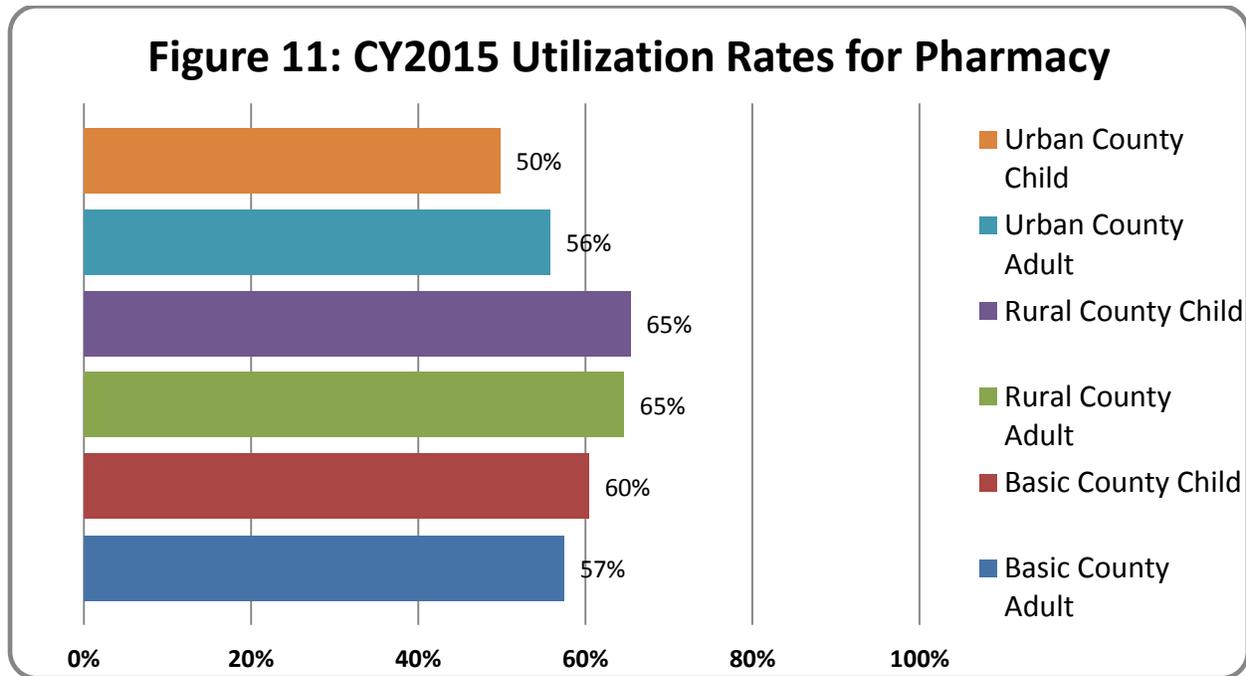
**PRIOR** to April 1, 2017, the reimbursement for pharmacy claims was determined by applying the following lower of methodology.

- Applicable Wholesaler Acquisition Cost (WAC), plus 10%, plus professional dispensing fee
- Applicable Missouri Maximum Allowable Cost (MAC) plus professional dispensing fee
- Applicable Federal Upper Limit plus professional dispensing fee
- Usual and customary charge

There is no projected impact on access due to the restructuring rates for pharmacy agencies because there is no material change in pharmacy revenue based on this new reimbursement methodology. The MHD will continue to monitor provider enrollment per county area. The MHD will monitor participant enrollment per county area, ratio, and distance standards to ensure adequate access to pharmacy agencies.

## Utilization Rates for Pharmacies

The MHD performed a utilization review for Pharmacy Agencies of FFS participants accessing provider services by county type (urban, basic and rural) in Missouri during CY2015 and CY2016.



## Data to Assess Access: FFS Pharmacy Agencies Network Access Report

### Data Sources

- Statewide Medicaid Population – per provider data from the State’s Cognos system
- Statewide Medicaid Provider files – per provider data from the State’s Cognos system
- Statewide Data Analysis was performed using Optum’s Geo Networks software

### Description

This report is divided into categories containing the following columns:

- County – Names all Missouri Counties and St. Louis City
- Total Population – Number of residents per county
- Eligibles – Medicaid participants per county
- % Medicaid – Percentage of county population that are Medicaid participants
- County Type Urban, Basic, Rural – County classifications based on total population
- Providers – Total number of available Medicaid Providers per county
- Ratio – Medicaid Participant to Medicaid Provider Ratio
- Distance Columns 1, 2, 3 – Percentage of Medicaid participants with “provider type” within “x” miles. This is not limited by county, if there are 0 providers in particular county, members may still have an available provider within the distance standard in a nearby county

Distance standards were applied consistent with 20 CSR 400-7.095 which are used for MO HealthNet’s HMO Managed Care plans.

The three distance columns on the report indicate Urban (closest), Basic (middle), and Rural (furthest). When access standards are reviewed for Managed Care plans each region must meet 90% access based on their county classification. This FFS report was not grouped into regions; therefore, it reports percentages for all three county classifications. It is assumed that each county would only be required to meet a certain percentage, based on their county classification.

Due to a software licensing issue, providers located in bordering states were not included in this analysis. The MHD will continue to monitor the number and potential impact of not including these bordering state providers to understand whether alternative analysis should be completed to provide a complete picture of access.

## FFS Network Adequacy- Pharmacy Agencies

DEMOGRAPHICS					PHARMACY				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Adair	25,602	4,947	19.3%	R	6	825:1	92.0	100.0	100.0
Andrew	17,379	4,822	27.7%	R	4	4345:1	94.5	100.0	100.0
Atchison	5,382	924	17.2%	R	2	462:1	89.9	100.0	100.0
Audrain	25,887	6,299	24.3%	R	8	787:1	90.7	100.0	100.0
Barry	35,662	13,341	37.4%	R	12	1112:1	87.5	100.0	100.0
Barton	12,057	2,869	23.8%	R	3	956:1	82.3	100.0	100.0
Bates	16,584	3,391	20.4%	R	5	678:1	90.3	100.0	100.0
Benton	18,806	4,790	25.5%	R	4	956:1	87.5	100.0	100.0
Bollinger	12,394	3,195	25.8%	R	1	3195:1	72.4	100.0	100.0
Boone	172,717	22,941	13.3%	B	39	588:1	96.2	100.0	100.0
Buchanan	89,486	18,459	20.6%	B	22	839:1	98.5	100.0	100.0
Butler	42,972	13,648	31.8%	R	18	758:1	84.7	99.6	100.0
Caldwell	9,034	1,693	18.7%	R	1	1693:1	46.8	100.0	100.0
Callaway	44,750	7,644	17.1%	R	5	1529:1	83.0	100.0	100.0
Camden	44,021	7,510	17.1%	R	12	626:1	86.0	100.0	100.0
Cape Girardeau	78,043	14,234	18.2%	B	26	547:1	93.3	100.0	100.0
Carroll	9,043	1,865	20.6%	R	2	933:1	68.0	93.5	100.0
Carter	6,258	2,185	34.9%	R	1	2185:1	12.3	100.0	100.0
Cass	100,889	15,118	15.0%	B	19	796:1	92.2	100.0	100.0
Cedar	13,952	4,299	30.8%	R	4	1075:1	88.8	100.0	100.0
Chariton	7,694	2,018	26.2%	R	2	1009:1	67.5	96.5	100.0
Christian	82,101	14,800	18.0%	B	16	925:1	95.8	100.0	100.0
Clark	6,917	1,365	19.7%	R	1	1365:1	78.2	100.0	100.0
Clay	233,682	30,763	13.2%	B	46	669:1	100.0	100.0	100.0
Clinton	20,299	2,120	10.4%	R	1	20299:1	72.6	100.0	100.0
Cole	76,557	12,634	16.5%	B	22	574:1	92.5	100.0	100.0
Cooper	17,585	3,333	19.0%	R	2	1667:1	73.9	100.0	100.0
Crawford	24,650	6,103	24.8%	R	5	1221:1	90.8	100.0	100.0
Dade	7,628	1,881	24.7%	R	2	941:1	84.4	100.0	100.0
Dallas	16,389	3,891	23.7%	R	4	973:1	66.4	100.0	100.0
Daviess	8,297	1,725	20.8%	R	1	1725:1	57.3	100.0	100.0
DeKalb	12,692	2,922	23.0%	R	4	731:1	88.3	100.0	100.0
Dent	15,655	4,321	27.6%	R	4	1080:1	90.8	100.0	100.0
Douglas	13,546	3,386	25.0%	R	4	847:1	86.7	100.0	100.0
Dunklin	31,344	12,438	39.7%	R	10	1244:1	94.6	100.0	100.0
Franklin	102,084	19,871	19.5%	B	22	903:1	96.8	100.0	100.0
Gasconade	14,866	3,112	20.9%	R	5	622:1	90.0	100.0	100.0
Gentry	6,826	1,515	22.2%	R	3	505:1	68.2	100.0	100.0
Greene	285,865	57,947	20.3%	U	80	724:1	99.7	100.0	100.0
Grundy	10,197	2,279	22.3%	R	3	760:1	85.4	100.0	100.0
Harrison	8,639	2,178	25.2%	R	2	1089:1	67.4	97.3	100.0
Henry	22,028	5,609	25.5%	R	7	801:1	88.3	100.0	100.0
Hickory	9,219	1,917	20.8%	R	1	1917:1	65.5	100.0	100.0

DEMOGRAPHICS					PHARMACY				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Holt	4,516	796	17.6%	R	1	796:1	44.0	100.0	100.0
Howard	10,159	2,195	21.6%	R	2	1098:1	78.9	100.0	100.0
Howell	40,173	12,761	31.8%	R	12	1063:1	92.0	100.0	100.0
Iron	10,267	3,399	33.1%	R	4	850:1	71.7	100.0	100.0
Jackson	683,191	147,751	21.6%	U	122	1211:1	100.0	100.0	100.0
Jasper	117,543	24,278	20.7%	B	21	964:1	93.8	100.0	100.0
Jefferson	222,716	30,761	13.8%	B	32	961:1	99.8	100.0	100.0
Johnson	54,362	6,748	12.4%	R	7	964:1	85.2	100.0	100.0
Knox	4,000	807	20.2%	R	1	807:1	82.4	100.0	100.0
Laclede	35,439	9,941	28.1%	R	7	1420:1	82.1	98.5	100.0
Lafayette	32,688	6,297	19.3%	R	8	787:1	93.3	100.0	100.0
Lawrence	38,023	5,472	14.4%	R	5	1094:1	91.1	100.0	100.0
Lewis	10,138	1,745	17.2%	R	2	873:1	82.5	100.0	100.0
Lincoln	54,249	9,810	18.1%	R	7	1401:1	92.9	100.0	100.0
Linn	12,311	2,131	17.3%	R	2	1066:1	75.6	99.4	100.0
Livingston	15,053	2,945	19.6%	R	5	589:1	84.4	100.0	100.0
Macon	15,479	3,096	20.0%	R	4	774:1	80.4	100.0	100.0
Madison	12,368	3,644	29.5%	R	3	1215:1	80.9	100.0	100.0
Maries	9,013	1,381	15.3%	R	2	691:1	84.9	100.0	100.0
Marion	28,920	7,115	24.6%	R	9	791:1	97.3	100.0	100.0
McDonald	22,800	6,626	29.1%	R	3	2209:1	86.7	100.0	100.0
Mercer	3,719	722	19.4%	R	1	722:1	64.0	100.0	100.0
Miller	25,141	6,281	25.0%	R	7	897:1	92.6	100.0	100.0
Mississippi	14,232	4,705	33.1%	R	4	1176:1	97.4	100.0	100.0
Moniteau	15,856	2,600	16.4%	R	3	867:1	90.2	100.0	100.0
Monroe	8,707	977	11.2%	R	1	977:1	66.1	100.0	100.0
Montgomery	11,841	2,713	22.9%	R	2	1357:1	66.9	100.0	100.0
Morgan	20,240	5,158	25.5%	R	4	1290:1	86.1	100.0	100.0
New Madrid	18,272	5,771	31.6%	R	4	1443:1	93.3	100.0	100.0
Newton	58,598	17,745	30.3%	B	23	772:1	97.3	100.0	100.0
Nodaway	23,081	2,662	11.5%	R	4	666:1	64.7	99.0	100.0
Oregon	10,911	3,634	33.3%	R	5	727:1	85.0	100.0	100.0
Osage	13,703	1,413	10.3%	R	1	1413:1	68.2	100.0	100.0
Ozark	9,492	2,429	25.6%	R	2	1215:1	61.8	100.0	100.0
Pemiscot	17,650	7,173	40.6%	R	6	1196:1	93.1	100.0	100.0
Perry	19,202	3,669	19.1%	R	5	734:1	83.6	99.3	100.0
Pettis	42,225	10,827	25.6%	R	10	1083:1	89.1	100.0	100.0
Phelps	44,847	9,505	21.2%	R	12	792:1	92.2	100.0	100.0
Pike	18,541	3,395	18.3%	R	4	849:1	86.5	100.0	100.0
Platte	94,788	9,061	9.6%	B	20	453:1	96.2	100.0	100.0
Polk	31,054	7,867	25.3%	R	8	983:1	69.1	100.0	100.0
Pulaski	53,436	8,076	15.1%	R	7	1154:1	90.1	100.0	100.0
Putnam	4,829	1,082	22.4%	R	2	541:1	60.1	100.0	100.0
Ralls	10,255	2,006	19.6%	R	2	1003:1	69.9	100.0	100.0
Randolph	25,072	5,833	23.3%	R	6	981:1	90.8	100.0	100.0
Ray	22,949	3,522	15.3%	R	4	881:1	93.8	100.0	100.0
Reynolds	6,565	1,798	27.4%	R	1	1798:1	62.3	98.3	100.0
Ripley	13,969	4,979	35.6%	R	4	1245:1	75.5	99.6	100.0
Saline	23,347	5,057	21.7%	R	6	843:1	92.9	100.0	100.0
Schuyler	4,370	955	21.9%	R	1	955:1	88.0	100.0	100.0
Scotland	4,863	822	16.9%	R	1	822:1	71.9	100.0	100.0

DEMOGRAPHICS					PHARMACY				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Scott	38,903	12,455	32.0%	R	11	1132:1	92.7	100.0	100.0
Shannon	8,329	2,337	28.1%	R	1	2337:1	40.7	100.0	100.0
Shelby	6,108	1,543	25.3%	R	3	514:1	86.3	100.0	100.0
St. Charles	379,493	33,082	8.7%	U	75	441:1	99.8	100.0	100.0
St. Clair	9,457	2,123	22.4%	R	5	425:1	68.3	100.0	100.0
St. Francois	65,960	16,584	25.1%	B	20	829:1	95.9	100.0	100.0
St. Louis City	317,419	100,441	31.6%	U	244	412:1	100.0	100.0	100.0
St. Louis Co.	1,001,876	156,695	15.6%	U	62	2527:1	100.0	100.0	100.0
Ste. Genevieve	17,914	2,803	15.6%	R	3	934:1	82.4	100.0	100.0
Stoddard	29,867	8,421	28.2%	R	9	936:1	93.6	100.0	100.0
Stone	31,104	5,756	18.5%	R	5	1151:1	76.5	100.0	100.0
Sullivan	6,411	1,529	23.8%	R	1	1529:1	63.2	100.0	100.0
Taney	54,230	13,078	24.1%	R	15	872:1	97.0	100.0	100.0
Texas	25,642	6,584	25.7%	R	6	1097:1	79.7	99.5	100.0
Vernon	21,001	5,049	24.0%	R	5	1010:1	80.3	100.0	100.0
Warren	33,253	6,188	18.6%	R	4	1547:1	97.9	100.0	100.0
Washington	25,077	7,202	28.7%	R	4	1801:1	69.9	100.0	100.0
Wayne	13,452	4,681	34.8%	R	3	1560:1	67.9	96.3	100.0
Webster	36,888	9,281	25.2%	R	11	844:1	89.1	100.0	100.0
Worth	2,073	431	20.8%	R	1	431:1	79.1	100.0	100.0
Wright	18,291	6,926	37.9%	R	5	1385:1	87.9	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>1,187,627</b>			<b>1,353</b>		<b>93.6</b>	<b>99.9</b>	<b>100.0</b>

## Nursing Facilities

Physician-directed services are provided in certified nursing facilities to individuals whose physical or mental health condition requires services on an inpatient basis. To qualify for nursing facility (NF) services, a participant *must* have an assessed point level of at least 24, as set forth in State Regulation [19 CSR 30-81.030](#), using the assessment procedure as described therein.

In order to participate in the MO HealthNet Vendor Nursing Facility Program (Title XIX), a facility *must* be licensed as a skilled nursing facility (SNF) or an intermediate care facility (ICF), and *must* also be certified as meeting federal requirements for providers of NF services or Intermediate Care Facilities for Individuals with Intellectual Disabilities (ICF/IID). A NF may also choose to execute a provider agreement with the Centers for Medicare & Medicaid Services (CMS) to provide services under Title XVIII (Medicare), if it is licensed as a SNF or ICF and is certified as meeting federal requirements for providers of NF services or ICF/IID. Medicare facilities are *not* required to participate in Title XIX (Medicaid). Title XIX nursing facilities are not required to participate in Medicare. However, many facilities do have provider agreements with both programs.

If a facility has valid participation agreements with both Medicare and MO HealthNet (Medicaid), the MO HealthNet Division (MHD) reimburses the NF for the Medicare coinsurance for participants' eligible under both programs, if they reside in a Medicare/Medicaid certified bed, and if the stay is eligible for Medicare reimbursement.

NFs are reimbursed per diem for each MO HealthNet participant residing in the facility. The NF's total reimbursement is determined by multiplying the per diem rate for the facility by the residents' days of care less any patient surplus. The patient surplus is the amount of money that a NF resident contributes to his or her own care. The patient surplus for each resident is determined by the Family Support Division (FSD) and is based on the participants income less specified adjustments, such as insurance premiums, personal needs allowance (i.e., an amount the resident is allowed to retain for their personal needs and use, and etc.).

NF rates are based on a prospective reimbursement system and each NF has a distinct reimbursement rate calculated on its rate setting cost report. The rates for the industry are established on a particular cost report year, and it will not change until the rates are recalculated on another cost report year (i.e., rebased). NF rates were last rebased in SFY 2005, using 2001 cost report data trended to 2005. This rate has been adjusted for global per diem rate adjustments, such as trends, which are granted to the industry as a whole and are applied to the previously established rate.

A cost component style reimbursement system is used to determine the rate. In this manner, costs are broken into separate categories, allowing flexibility in targeting reimbursement methodologies to achieve desired results. The reimbursement system was developed to emphasize quality patient care. This system consists of four cost center components, a working capital allowance, and incentives. Expenses are classified according to type of cost and a ceiling is set for each cost component.

The four cost center components are 'Patient Care,' 'Ancillary,' 'Administration,' and 'Capital.' The ceilings are set at 120% of the cost component median for 'Patient Care' and 'Ancillary' and 110% of the cost component median for 'Administration.' The 'Capital' cost component is calculated using a Fair Rental Value system. A working capital allowance is calculated based upon the per diems determined

from the cost components. A facility may also enhance its rate by qualifying for incentives that target patient care (patient care incentive, ancillary incentive, and multiple component incentive).

The per diem rate for each cost component is determined by dividing the allowable Medicaid cost by the patient days (i.e., cost per patient day), which is limited to the ceiling. The administration and capital cost components are also subject to an 85% minimum utilization adjustment (i.e., the cost per patient day is calculated using the greater of the actual patient days or a calculated, minimum level of days).

Facilities may also receive special per diem adjustments, if they meet the specific criteria for the adjustment. The Nursing Facility Reimbursement Allowance (NFRA) is also an allowable Medicaid cost. Once the facility’s rate is established on its base year cost report, the current NFRA rate is added to the rate to determine the total reimbursement rate.

### MO HealthNet Nursing Facility Program Rate History

SFY	Effective Date	Rate Increase / (Decrease)	Percent Increase / (Decrease)	Average Rate
<b>SFY 2019</b>	7/1/18	\$0.54 <sup>1</sup>	0.35%	\$153.66
<b>SFY 2018</b>	8/1/17	(\$5.37)	(3.39%)	\$153.12
<b>SFY 2017</b>	7/1/16	\$2.83	1.82%	\$158.49
<b>SFY 2016</b>	1/1/16	\$2.09	1.36%	\$155.66
	7/1/15	\$1.29	0.85%	\$153.57
	<i>Average for SFY</i>	<i>\$2.34</i>	<i>1.53%</i>	<i>\$154.62</i>

1. *Rate Adjustment relating to SFY 2018 Rate Decrease – The SFY 2018 rate reduction was implemented August 1, 2017; therefore, the amount of the rate reduction in SFY 2018 had to be increased to ensure the expenditures matched the funds appropriated for SFY 2018. This amount does not project any rate adjustments that may be included in the SFY 2019 budget.*

The NF industry has either had a rate increase or no rate change every SFY since SFY 2006. The SFY 2018 rate would be comparable to the rate at the beginning of SFY 2016, effective July 1, 2015. There were two increases in SFY 2016, effective July 1, 2015, and January 1, 2016. There was also one increase in SFY 2017, effective July 1, 2016. The SFY 2018 rate reduction removes the last two rate increases, January 1, 2016, and July 1, 2016, which results in the rate being comparable to the rate at the beginning of SFY 2016.

The MHD performed a utilization review of FFS participants residing in NFs and receiving their services. The source of this data is April-June 2017, Certificate of Need (CON) Survey from the Department of Health and Senior Services. The utilization data demonstrates the occupancy by county, and each county shows whether it is urban, basic or rural, during the second quarter of 2017, before the rate change took effect, and includes the following information:

- Total Medicaid Facilities
- Total available beds (Medicaid and Non-Medicaid)
- Total patients

- Total vacant beds
- Total occupancy rate by percentage
- Total vacant availability by percentage
- Medicaid available beds
- Medicaid residents
- Non-Medicaid Residents in Medicaid beds
- Medicaid vacant beds
- Medicaid Residents Occupancy by percentage
- Non-Medicaid Residents occupancy by percentage
- Total residents occupancy by percentage
- The percent of Medicaid residents to total residents
- The percent of Non-Medicaid residents to total residents

There are a total of 535 NFs in the state of Missouri, of which 504 are enrolled with MO HealthNet to provide services to MO HealthNet participants eligible for NF services. This represents a 94% participation rate in MO HealthNet for NFs. There are only 31 facilities not enrolled with MO HealthNet in the State of Missouri. The MHD considers access to NF adequate due to the large number of facilities enrolled in the MO HealthNet program and the total number of vacant Medicaid beds available.

Medicaid facilities have an occupancy rate of 73.7% for total available beds, and a 73.8% occupancy rate for available Medicaid beds, showing that more than 26% of the beds are vacant and available for use by Medicaid residents. The NF utilization data demonstrates that the Medicaid population has the same access to NFs as compared to the general population. The general population has a total vacant availability in Medicaid facilities of 26.26% and Medicaid participants have vacant availability of 26.16%.

Of all residents in Medicaid beds, 70.5% have Medicaid as the payer. Therefore, Medicaid is a significant funding resource for the NFs. The MHD does not believe it is likely that the NFs will reduce the number of Medicaid participants they accept, or withdraw from the Medicaid program, due to the large percentage of reimbursement from Medicaid.

The MHD does not anticipate any negative impact on access, due to the rate reduction, but will continue to monitor the program. Historical data is comparable to the current data presented above showing that the MHD has had a strong NF program for many years. Access to NF care is adequate based on the number of available Medicaid NFs and Medicaid beds. NFs were also operating at the lower Medicaid reimbursement rate less than 2 years ago, and with the Medicaid program being a major contributor to the facilities' resources, MO HealthNet does not expect NFs closing or withdrawing from the Medicaid program.

## Utilization for Nursing Facilities

County	Basic, Urban, or Rural	TOTAL MEDICAID Facilities	TOTAL Available Beds (Medicaid & Non-Medicaid)	TOTAL Patients	TOTAL Vacant Beds	TOTAL Occupancy %	TOTAL Vacant Availability %	MEDICAID Available Beds	MEDICAID Residents	Non-MEDICAID Residents in Medicaid Beds	Total Residents in MEDICAID Beds	MEDICAID Vacant Beds	MEDICAID Residents - Occupancy %	Non-MEDICAID Residents - Occupancy %	Total Residents - Occupancy %	MEDICAID Vacant Beds - Availability %	% of Medicaid Residents to Total Residents	% of Non-Medicaid Residents to Total Residents
Adair	R	2	284	167	117	58.89%	41.11%	271	89	79	167	104	32.69%	29.03%	61.72%	38.28%	52.97%	47.03%
Andrew	R	2	203	147	56	72.19%	27.81%	203	101	45	147	56	49.92%	22.27%	72.19%	27.81%	69.15%	30.85%
Atchison	R	2	99	70	29	70.76%	29.24%	99	39	31	70	29	39.85%	30.91%	70.76%	29.24%	56.31%	43.69%
Audrain	R	2	214	149	65	69.46%	30.54%	214	81	68	149	65	37.73%	31.73%	69.46%	30.54%	54.32%	45.68%
Barry	R	4	322	231	91	71.75%	28.25%	322	141	90	231	91	43.90%	27.85%	71.75%	28.25%	61.19%	38.81%
Barton	R	1	109	83	26	76.19%	23.81%	95	60	24	83	12	62.67%	24.74%	87.41%	12.59%	71.70%	28.30%
Bates	R	3	268	167	101	62.22%	37.78%	266	103	64	167	99	38.60%	24.09%	62.69%	37.31%	61.57%	38.43%
Benton	R	3	225	184	41	81.69%	18.31%	225	114	70	184	41	50.63%	31.06%	81.69%	18.31%	61.98%	38.02%
Bollinger	R	1	98	86	12	87.36%	12.64%	98	65	21	86	12	66.17%	21.19%	87.36%	12.64%	75.74%	24.26%
Boone	B	9	853	677	176	79.41%	20.59%	633	303	209	513	120	47.92%	33.08%	81.00%	19.00%	59.16%	40.84%
Buchanan	B	7	751	545	206	72.55%	27.45%	707	345	168	513	194	48.76%	23.78%	72.54%	27.46%	67.22%	32.78%
Butler	R	5	506	374	132	73.91%	26.09%	506	266	108	374	132	52.62%	21.29%	73.91%	26.09%	71.20%	28.80%
Caldwell	R	2	167	85	82	50.65%	49.35%	167	44	41	85	82	26.21%	24.44%	50.65%	49.35%	51.75%	48.25%
Callaway	R	4	248	174	74	70.28%	29.72%	248	123	52	174	74	49.43%	20.81%	70.24%	29.76%	70.37%	29.63%
Camden	R	3	230	166	64	71.97%	28.03%	230	100	65	166	64	43.55%	28.43%	71.97%	28.03%	60.50%	39.50%
Cape Girardeau	B	8	843	635	208	75.31%	24.69%	843	306	329	635	208	36.27%	39.04%	75.31%	24.69%	48.17%	51.83%
Carroll	R	2	152	104	48	68.20%	31.80%	143	51	53	104	39	35.60%	36.90%	72.50%	27.50%	49.10%	50.90%
Carter	R	1	60	35	25	58.72%	41.28%	60	25	11	35	25	41.12%	17.60%	58.72%	41.28%	70.02%	29.98%
Cass *	B	8	851	696	155	81.78%	18.22%	839	434	257	691	148	51.78%	30.58%	82.35%	17.65%	62.87%	37.13%
Cedar	R	2	179	131	48	73.09%	26.91%	179	79	52	131	48	43.91%	29.19%	73.09%	26.91%	60.07%	39.93%
Chariton	R	3	272	204	68	74.93%	25.07%	272	156	47	204	68	57.50%	17.43%	74.93%	25.07%	76.74%	23.26%
Christian	B	3	266	213	53	80.03%	19.97%	266	131	82	213	53	49.20%	30.82%	80.03%	19.97%	61.48%	38.52%
Clark	R	1	99	63	36	63.97%	36.03%	99	28	35	63	36	28.46%	35.51%	63.97%	36.03%	44.49%	55.51%
Clay	B	10	1,151	813	338	70.60%	29.40%	1,144	456	351	807	337	39.86%	30.70%	70.56%	29.44%	56.49%	43.51%
Clinton	R	4	332	246	86	74.06%	25.94%	332	149	97	246	86	44.77%	29.29%	74.06%	25.94%	60.45%	39.55%
Cole	B	6	599	385	214	64.25%	35.75%	566	241	116	356	210	42.52%	20.44%	62.97%	37.03%	67.54%	32.46%
Cooper	R	4	234	186	48	79.45%	20.55%	216	120	57	177	39	55.41%	26.57%	81.98%	18.02%	67.59%	32.41%
Crawford	R	2	150	142	8	94.89%	5.11%	150	107	35	142	8	71.37%	23.52%	94.89%	5.11%	75.22%	24.78%
Dade	R	2	183	99	84	54.01%	45.99%	183	45	54	99	84	24.50%	29.51%	54.01%	45.99%	45.36%	54.64%
Dallas	R	2	194	145	49	74.90%	25.10%	194	94	51	145	49	48.60%	26.31%	74.90%	25.10%	64.88%	35.12%
Davies	R	1	63	43	20	67.63%	32.37%	63	20	22	43	20	32.29%	35.34%	67.63%	32.37%	47.74%	52.26%
DeKalb	R	2	111	94	18	83.99%	16.01%	111	76	17	94	18	68.38%	15.61%	83.99%	16.01%	81.41%	18.59%
Dent	R	3	168	103	65	61.34%	38.66%	168	76	27	103	65	45.45%	15.89%	61.34%	38.66%	74.10%	25.90%
Douglas	R	1	104	93	11	89.00%	11.00%	104	68	25	93	11	65.22%	23.78%	89.00%	11.00%	73.28%	26.72%
Dunklin	R	7	622	409	213	65.79%	34.21%	622	304	105	409	213	48.95%	16.84%	65.79%	34.21%	74.40%	25.60%
Franklin	B	8	844	614	230	72.69%	27.31%	844	377	237	614	230	44.64%	28.05%	72.69%	27.31%	61.41%	38.59%
Gasconade	R	3	307	229	78	74.47%	25.53%	307	128	101	229	78	41.72%	32.76%	74.47%	25.53%	56.02%	43.98%
Gentry	R	2	121	86	35	70.67%	29.33%	121	49	37	86	35	40.30%	30.37%	70.67%	29.33%	57.02%	42.98%
Greene	U	19	2,189	1,779	411	81.25%	18.75%	2,041	1,129	546	1,676	366	55.33%	26.76%	82.09%	17.91%	67.40%	32.60%
Grundy	R	2	244	203	41	83.39%	16.61%	244	139	65	203	41	56.76%	26.63%	83.39%	16.61%	68.07%	31.93%
Harrison	R	2	148	104	44	70.12%	29.88%	148	63	40	104	44	42.84%	27.28%	70.12%	29.88%	61.10%	38.90%
Henry	R	3	293	172	121	58.79%	41.21%	293	113	59	172	121	38.66%	20.13%	58.79%	41.21%	65.75%	34.25%
Hickory	R	1	120	88	32	73.70%	26.30%	120	57	31	88	32	47.65%	26.05%	73.70%	26.30%	64.65%	35.35%

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Holt	R	2	118	83	35	70.71%	29.29%	118	43	41	83	35	36.22%	34.49%	70.71%	29.29%	51.22%	48.78%
Howard	R	2	119	80	39	67.18%	32.82%	119	52	28	80	39	43.70%	23.48%	67.18%	32.82%	65.04%	34.96%
Howell	R	5	564	459	105	81.44%	18.56%	562	328	131	459	103	58.44%	23.29%	81.73%	18.27%	71.51%	28.49%
Iron	R	2	169	164	5	96.76%	3.24%	169	149	15	164	5	88.07%	8.69%	96.76%	3.24%	91.02%	8.98%
Jackson	U	42	5,335	3,940	1,396	73.84%	26.16%	4,978	2,908	787	3,696	1,282	58.43%	15.82%	74.25%	25.75%	78.69%	21.31%
Jasper	B	7	694	577	117	83.11%	16.89%	653	340	218	557	96	52.00%	33.34%	85.34%	14.66%	60.93%	39.07%
Jefferson	B	11	1,413	1,148	266	81.21%	18.79%	1,305	852	209	1,061	245	65.24%	16.02%	81.26%	18.74%	80.29%	19.71%
Johnson	R	5	409	246	163	60.12%	39.88%	409	159	87	246	163	38.89%	21.22%	60.11%	39.89%	64.70%	35.30%
Knox	R	1	40	31	9	78.74%	21.26%	40	12	19	31	9	30.66%	48.08%	78.74%	21.26%	38.94%	61.06%
Laclede	R	2	296	199	97	67.16%	32.84%	296	129	69	199	97	43.69%	23.47%	67.16%	32.84%	65.05%	34.95%
Lafayette	R	5	384	267	117	69.61%	30.39%	357	161	96	257	100	45.10%	26.87%	71.97%	28.03%	62.67%	37.33%
Lawrence	R	4	349	219	130	62.86%	37.14%	349	132	87	219	130	37.86%	25.00%	62.86%	37.14%	60.23%	39.77%
Lewis	R	3	266	144	122	54.11%	45.89%	264	95	46	140	124	35.83%	17.25%	53.07%	46.93%	67.51%	32.49%
Lincoln	R	4	332	304	28	91.61%	8.39%	332	224	80	304	28	67.55%	24.04%	91.59%	8.41%	73.75%	26.25%
Linn	R	2	180	141	39	78.13%	21.87%	180	88	53	141	39	48.73%	29.40%	78.13%	21.87%	62.37%	37.63%
Livingston	R	4	262	184	78	70.07%	29.93%	262	121	63	184	78	46.19%	23.88%	70.07%	29.93%	65.92%	34.08%
Macon	R	3	324	231	94	71.16%	28.84%	301	94	121	215	86	31.05%	40.25%	71.30%	28.70%	43.55%	56.45%
Madison	R	2	172	150	22	87.35%	12.65%	172	124	26	150	22	72.31%	15.04%	87.35%	12.65%	82.78%	17.22%
Maries	R	1	98	74	24	75.51%	24.49%	98	56	18	74	24	56.83%	18.68%	75.51%	24.49%	75.26%	24.74%
Marion	R	6	625	489	136	78.22%	21.78%	623	336	152	489	134	53.99%	24.44%	78.43%	21.57%	68.84%	31.16%
McDonald	R	1	96	79	17	82.22%	17.78%	96	59	20	79	17	61.02%	21.20%	82.22%	17.78%	74.22%	25.78%
Mercer	R	1	60	42	18	69.25%	30.75%	60	24	17	42	18	40.77%	28.48%	69.25%	30.75%	58.87%	41.13%
Miller	R	4	302	266	36	88.02%	11.98%	302	184	82	266	36	61.01%	27.01%	88.02%	11.98%	69.31%	30.69%
Mississippi	R	3	246	138	107	56.30%	43.70%	246	99	39	138	107	40.45%	15.86%	56.30%	43.70%	71.84%	28.16%
Moniteau	R	3	186	133	53	71.68%	28.32%	186	70	63	133	53	37.60%	34.08%	71.68%	28.32%	52.46%	47.54%
Monroe	R	1	117	85	32	72.30%	27.70%	115	45	40	85	30	38.98%	34.58%	73.56%	26.44%	52.99%	47.01%
Montgomery	R	3	289	228	61	78.84%	21.16%	289	140	88	228	61	48.45%	30.39%	78.84%	21.16%	61.45%	38.55%
Morgan	R	3	291	214	77	73.46%	26.54%	288	113	101	214	74	39.19%	35.03%	74.22%	25.78%	52.81%	47.19%
New Madrid *	R	5	389	285	104	73.21%	26.79%	389	234	51	285	104	60.13%	13.08%	73.21%	26.79%	82.13%	17.87%
Newton	B	5	492	372	120	75.70%	24.30%	492	239	133	372	120	48.61%	27.09%	75.70%	24.30%	64.22%	35.78%
Nodaway	R	4	283	178	105	62.94%	37.06%	283	87	91	178	105	30.77%	32.17%	62.94%	37.06%	48.88%	51.12%
Oregon	R	1	120	67	53	55.90%	44.10%	120	47	20	67	53	39.24%	16.66%	55.90%	44.10%	70.20%	29.80%
Osage	R	2	196	103	93	52.39%	47.61%	196	62	41	103	93	31.55%	20.85%	52.39%	47.61%	60.21%	39.79%
Ozark	R	1	99	52	47	52.94%	47.06%	99	31	21	52	47	31.76%	21.18%	52.94%	47.06%	59.99%	40.01%
Pemiscot	R	3	228	118	110	51.91%	48.09%	228	96	22	118	110	42.16%	9.75%	51.91%	48.09%	81.22%	18.78%
Perry	R	2	281	188	93	67.03%	32.97%	281	115	73	188	93	40.99%	26.04%	67.03%	32.97%	61.15%	38.85%
Pettis	R	5	568	520	48	91.56%	8.44%	568	401	118	519	49	70.56%	20.84%	91.40%	8.60%	77.20%	22.80%
Phelps	R	5	446	314	132	70.39%	29.61%	446	196	118	314	132	43.85%	26.54%	70.39%	29.61%	62.29%	37.71%
Pike	R	3	204	128	76	62.64%	37.36%	204	86	42	128	76	41.96%	20.68%	62.64%	37.36%	66.98%	33.02%
Platte	B	3	456	292	164	64.00%	36.00%	456	187	105	292	164	40.98%	23.03%	64.00%	36.00%	64.02%	35.98%
Polk	R	4	369	314	55	85.08%	14.92%	369	203	111	314	55	55.12%	29.96%	85.08%	14.92%	64.79%	35.21%
Pulaski	R	4	272	195	77	71.65%	28.35%	272	134	61	195	77	49.17%	22.48%	71.65%	28.35%	68.62%	31.38%
Putnam	R	1	60	50	10	83.61%	16.39%	60	30	20	50	10	49.93%	33.68%	83.61%	16.39%	59.72%	40.28%

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Ralls	R	1	60	54	6	89.93%	10.07%	60	48	6	54	6	80.22%	9.71%	89.93%	10.07%	89.21%	10.79%
Randolph	R	3	374	291	83	77.88%	22.12%	374	231	60	291	83	61.71%	16.16%	77.88%	22.12%	79.25%	20.75%
Ray	R	2	239	210	29	87.87%	12.13%	239	141	69	210	29	58.98%	28.89%	87.87%	12.13%	67.12%	32.88%
Reynolds	R	1	60	30	30	50.17%	49.83%	60	25	5	30	30	42.11%	8.06%	50.17%	49.83%	83.94%	16.06%
Ripley	R	1	120	56	64	46.79%	53.21%	120	48	8	56	64	40.09%	6.70%	46.79%	53.21%	85.68%	14.32%
Saline	R	3	303	159	144	52.33%	47.67%	294	99	52	151	143	33.51%	17.81%	51.31%	48.69%	65.30%	34.70%
Schuyler	R	1	60	45	15	74.23%	25.77%	60	27	17	45	15	45.49%	28.74%	74.23%	25.77%	61.29%	38.71%
Scotland	R	1	96	40	56	41.48%	58.52%	96	21	19	40	56	21.67%	19.81%	41.48%	58.52%	52.24%	47.76%
Scott	R	5	479	303	176	63.22%	36.78%	471	203	100	303	168	43.06%	21.24%	64.30%	35.70%	66.96%	33.04%
Shannon	R	1	90	45	45	50.16%	49.84%	90	37	8	45	45	41.26%	8.90%	50.16%	49.84%	82.25%	17.75%
Shelby	R	2	180	106	74	58.94%	41.06%	180	43	63	106	74	23.97%	34.96%	58.94%	41.06%	40.68%	59.32%
St. Charles	U	12	1,574	1,209	365	76.82%	23.18%	1,082	607	196	804	278	56.14%	18.13%	74.28%	25.72%	75.59%	24.41%
St. Clair	R	2	178	73	105	40.78%	59.22%	178	33	40	73	105	18.48%	22.29%	40.78%	59.22%	45.33%	54.67%
St. Francois	B	8	792	612	180	77.23%	22.77%	792	428	184	612	180	53.98%	23.24%	77.23%	22.77%	69.90%	30.10%
St. Louis County	U	67	9,637	7,287	2,351	75.61%	24.39%	7,344	4,445	1,153	5,598	1,746	60.53%	15.70%	76.23%	23.77%	79.41%	20.59%
St. Louis City	U	17	2,316	1,740	576	75.15%	24.85%	2,272	1,497	211	1,707	565	65.87%	9.27%	75.14%	24.86%	87.66%	12.34%
Ste. Genevieve	R	2	192	145	46	75.77%	24.23%	192	84	61	145	46	43.90%	31.87%	75.77%	24.23%	57.94%	42.06%
Stoddard	R	6	387	252	134	65.29%	34.71%	372	178	74	252	120	47.87%	19.92%	67.80%	32.20%	70.61%	29.39%
Stone	R	2	198	157	41	79.30%	20.70%	198	119	39	157	41	59.85%	19.45%	79.30%	20.70%	75.48%	24.52%
Sullivan	R	1	98	92	6	94.28%	5.72%	98	88	5	92	6	89.54%	4.74%	94.28%	5.72%	94.97%	5.03%
Taney	R	3	345	281	64	81.39%	18.61%	345	190	91	281	64	54.98%	26.41%	81.39%	18.61%	67.56%	32.44%
Texas	R	3	255	157	98	61.76%	38.24%	255	99	59	157	98	38.75%	23.01%	61.76%	38.24%	62.74%	37.26%
Vernon	R	4	316	212	104	67.10%	32.90%	316	130	82	212	104	41.10%	26.00%	67.10%	32.90%	61.25%	38.75%
Warren	R	1	120	81	39	67.86%	32.14%	120	50	32	81	39	41.46%	26.40%	67.86%	32.14%	61.09%	38.91%
Washington	R	2	210	129	81	61.26%	38.74%	210	96	32	129	81	45.79%	15.46%	61.26%	38.74%	74.76%	25.24%
Wayne	R	2	135	100	35	74.07%	25.93%	135	75	25	100	35	55.40%	18.67%	74.07%	25.93%	74.79%	25.21%
Webster	R	3	245	166	79	67.74%	32.26%	245	110	56	166	79	45.01%	22.74%	67.74%	32.26%	66.44%	33.56%
Worth	R	1	50	21	29	42.73%	57.27%	50	15	6	21	29	29.76%	12.97%	42.73%	57.27%	69.65%	30.35%
Wright	R	3	239	140	99	58.78%	41.22%	239	102	39	140	99	42.64%	16.14%	58.78%	41.22%	72.54%	27.46%
<b>TOTAL</b>		<b>502</b>	<b>53,023</b>	<b>39,099</b>	<b>13,924</b>	<b>73.74%</b>	<b>26.26%</b>	<b>49,075</b>	<b>25,547</b>	<b>10,688</b>	<b>36,235</b>	<b>12,839</b>	<b>52.06%</b>	<b>21.78%</b>	<b>73.84%</b>	<b>26.16%</b>	<b>70.50%</b>	<b>29.50%</b>

County Type	TOTAL MEDICAID Facilities	TOTAL Available Beds (Medicaid & Non-Medicaid)	TOTAL Patients	TOTAL Vacant Beds	TOTAL Occupancy %	TOTAL Vacant Availability %	MEDICAID Available Beds	MEDICAID Residents	Non-MEDICAID Residents in Medicaid Beds	Total Residents in MEDICAID Beds	MEDICAID Vacant Beds	MEDICAID Residents - Occupancy %	Non-MEDICAID Residents - Occupancy %	Total Residents - Occupancy %	MEDICAID Vacant Beds - Availability %	% of Medicaid Residents to Total Residents	% of Non-Medicaid Residents to Total Residents
BASIC	93	10,005	7,577	2,428	75.73%	24.27%	9,540	4,637	2,598	7,235	2,305	48.61%	27.23%	75.84%	24.16%	64.09%	35.91%
URBAN	157	21,052	15,954	5,097	75.79%	24.21%	17,717	10,587	2,893	13,481	4,236	59.76%	16.33%	76.09%	23.91%	78.54%	21.46%
RURAL	252	21,966	15,568	6,399	70.87%	29.13%	21,818	10,323	5,197	15,520	6,298	47.31%	23.82%	71.13%	28.87%	66.51%	33.49%
<b>TOTAL</b>	<b>502</b>	<b>53,023</b>	<b>39,099</b>	<b>13,924</b>	<b>73.74%</b>	<b>26.26%</b>	<b>49,075</b>	<b>25,547</b>	<b>10,688</b>	<b>36,235</b>	<b>12,839</b>	<b>52.06%</b>	<b>21.78%</b>	<b>73.84%</b>	<b>26.16%</b>	<b>70.50%</b>	<b>29.50%</b>

**NOTE:** \*This utilization information does not include any data from two (2) recently enrolled Medicaid facilities.

## Data to Assess Access: FFS Nursing Facilities Network Access Report

### Data Sources

Statewide Medicaid Population – per provider data from the State’s Cognos system  
Statewide Medicaid Provider files – per provider data from the State’s Cognos system  
Statewide Data Analysis was performed using Optum’s Geo Networks software

### Description

This report is divided into categories containing the following columns:

- County – Names all Missouri Counties and St. Louis City
- Total Population – Number of residents per county
- Eligibles – Medicaid participants per county
- % Medicaid – Percentage of county population that are Medicaid participants
- County Type Urban, Basic, Rural – County classifications based on total population
- Providers – Total number of available Medicaid Providers per county
- Ratio – Medicaid Participant to Medicaid Provider Ratio
- Distance Columns 1, 2, 3 – Percentage of Medicaid participants with “provider type” within “x” miles. This is not limited by county, if there are 0 providers in particular county, members may still have an available provider within the distance standard in a nearby county

Distance standards were applied consistent with 20 CSR 400-7.095 which are used for MO HealthNet’s HMO Managed Care plans.

The three distance columns on the report indicate Urban (closest), Basic (middle), and Rural (furthest). When access standards are reviewed for Managed Care plans each region must meet 90% access based on their county classification. This FFS report was not grouped into regions; therefore, it reports percentages for all three county classifications. It is assumed that each county would only be required to meet a certain percentage, based on their county classification.

## FFS Network Adequacy – Nursing Facilities

Demographics					Nursing Facilities				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles Urban	Distance 1 provider within 20 miles Basic	Distance 1 provider within 30 miles Rural
Adair	25,602	1,636	6.4%	R	2	818:1	95.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	2	650:1	96.5	100.0	100.0
Atchison	5,382	336	6.2%	R	2	168:1	91.4	100.0	100.0
Audrain	25,887	1,860	7.2%	R	2	930:1	92.5	100.0	100.0
Barry	35,662	3,686	10.3%	R	4	922:1	82.6	100.0	100.0
Barton	12,057	839	7.0%	R	1	839:1	75.2	98.2	100.0
Bates	16,584	1,059	6.4%	R	3	353:1	72.6	100.0	100.0
Benton	18,806	1,715	9.1%	R	3	572:1	92.2	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	1	1015:1	73.9	100.0	100.0
Boone	172,717	7,012	4.1%	B	9	779:1	95.3	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	7	781:1	97.3	99.4	100.0
Butler	42,972	4,893	11.4%	R	5	979:1	86.0	99.7	100.0
Caldwell	9,034	513	5.7%	R	2	257:1	73.1	100.0	100.0
Callaway	44,750	2,288	5.1%	R	4	572:1	83.2	100.0	100.0
Camden	44,021	2,110	4.8%	R	3	703:1	84.2	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	8	538:1	95.1	100.0	100.0
Carroll	9,043	592	6.5%	R	2	296:1	74.3	100.0	100.0
Carter	6,258	830	13.3%	R	1	830:1	13.6	100.0	100.0
Cass	100,889	3,613	3.6%	B	9	401:1	90.0	100.0	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	87.8	100.0	100.0
Chariton	7,694	645	8.4%	R	3	215:1	84.3	100.0	100.0
Christian	82,101	3,522	4.3%	B	3	1174:1	89.0	100.0	100.0
Clark	6,917	382	5.5%	R	1	382:1	79.3	100.0	100.0
Clay	233,682	7,795	3.3%	B	10	780:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	4	140:1	93.2	100.0	100.0
Cole	76,557	3,578	4.7%	B	6	596:1	93.9	100.0	100.0
Cooper	17,585	1,064	6.1%	R	4	266:1	89.5	100.0	100.0
Crawford	24,650	1,910	7.7%	R	2	955:1	78.3	100.0	100.0
Dade	7,628	552	7.2%	R	2	276:1	75.9	100.0	100.0
Dallas	16,389	1,339	8.2%	R	2	670:1	69.5	100.0	100.0
Daviess	8,297	451	5.4%	R	1	451:1	61.0	100.0	100.0
DeKalb	12,692	841	6.6%	R	2	421:1	92.2	100.0	100.0
Dent	15,655	1,527	9.8%	R	3	509:1	80.4	100.0	100.0
Douglas	13,546	1,057	7.8%	R	1	1057:1	75.2	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	7	626:1	95.3	100.0	100.0
Franklin	102,084	5,445	5.3%	B	8	681:1	95.5	100.0	100.0
Gasconade	14,866	950	6.4%	R	3	317:1	75.6	100.0	100.0
Gentry	6,826	436	6.4%	R	2	218:1	42.4	100.0	100.0
Greene	285,865	17,632	6.2%	U	19	928:1	98.9	100.0	100.0
Grundy	10,197	747	7.3%	R	2	374:1	86.5	100.0	100.0
Harrison	8,639	654	7.6%	R	2	327:1	67.9	96.6	100.0
Henry	22,028	1,945	8.8%	R	3	648:1	86.8	100.0	100.0
Hickory	9,219	707	7.7%	R	1	707:1	84.9	100.0	100.0

Demographics					Nursing Facilities				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles Urban	Distance 1 provider within 20 miles Basic	Distance 1 provider within 30 miles Rural
Holt	4,516	237	5.2%	R	2	119:1	80.2	100.0	100.0
Howard	10,159	721	7.1%	R	2	361:1	76.7	100.0	100.0
Howell	40,173	4,233	10.5%	R	5	847:1	80.4	99.3	100.0
Iron	10,267	1,297	12.6%	R	2	649:1	19.8	100.0	100.0
Jackson	683,191	39,120	5.7%	U	42	931:1	99.9	100.0	100.0
Jasper	117,543	6,762	5.8%	B	7	966:1	97.1	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	11	813:1	98.6	100.0	100.0
Johnson	54,362	1,813	3.3%	R	5	363:1	86.5	100.0	100.0
Knox	4,000	239	6.0%	R	1	239:1	75.7	100.0	100.0
Laclede	35,439	2,947	8.3%	R	2	1474:1	78.4	98.9	100.0
Lafayette	32,688	1,758	5.4%	R	5	352:1	97.6	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	4	362:1	93.0	100.0	100.0
Lewis	10,138	605	6.0%	R	3	202:1	89.3	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	4	694:1	88.7	100.0	100.0
Linn	12,311	777	6.3%	R	2	389:1	82.4	99.4	100.0
Livingston	15,053	995	6.6%	R	4	249:1	88.3	100.0	100.0
Macon	15,479	1,019	6.6%	R	3	340:1	82.5	99.7	100.0
Madison	12,368	1,246	10.1%	R	2	623:1	77.4	100.0	100.0
Maries	9,013	428	4.7%	R	1	428:1	54.0	100.0	100.0
Marion	28,920	2,595	9.0%	R	6	433:1	96.9	100.0	100.0
McDonald	22,800	1,668	7.3%	R	1	1668:1	62.5	97.5	100.0
Mercer	3,719	216	5.8%	R	1	216:1	88.0	100.0	100.0
Miller	25,141	1,851	7.4%	R	4	463:1	84.1	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	3	572:1	97.7	100.0	100.0
Moniteau	15,856	680	4.3%	R	3	227:1	97.9	100.0	100.0
Monroe	8,707	331	3.8%	R	1	331:1	71.3	100.0	100.0
Montgomery	11,841	852	7.2%	R	3	284:1	84.3	100.0	100.0
Morgan	20,240	1,814	9.0%	R	3	605:1	92.4	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	6	347:1	91.0	100.0	100.0
Newton	58,598	4,852	8.3%	B	5	970:1	98.5	100.0	100.0
Nodaway	23,081	884	3.8%	R	4	221:1	71.6	99.8	100.0
Oregon	10,911	1,260	11.5%	R	1	1260:1	41.8	100.0	100.0
Osage	13,703	426	3.1%	R	2	213:1	91.1	100.0	100.0
Ozark	9,492	796	8.4%	R	1	796:1	48.9	87.8	100.0
Pemiscot	17,650	2,551	14.5%	R	3	850:1	95.8	100.0	100.0
Perry	19,202	1,094	5.7%	R	2	547:1	81.0	99.9	100.0
Pettis	42,225	3,067	7.3%	R	5	613:1	93.3	100.0	100.0
Phelps	44,847	3,019	6.7%	R	5	604:1	90.4	100.0	100.0
Pike	18,541	1,114	6.0%	R	3	371:1	84.5	100.0	100.0
Platte	94,788	2,175	2.3%	B	3	725:1	97.6	100.0	100.0
Polk	31,054	2,299	7.4%	R	4	575:1	80.9	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	4	569:1	88.9	100.0	100.0
Putnam	4,829	365	7.6%	R	1	365:1	64.4	100.0	100.0
Ralls	10,255	650	6.3%	R	1	650:1	79.4	100.0	100.0

Demographics					Nursing Facilities				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles Urban	Distance 1 provider within 20 miles Basic	Distance 1 provider within 30 miles Rural
Randolph	25,072	1,948	7.8%	R	3	649:1	92.7	100.0	100.0
Ray	22,949	1,044	4.5%	R	2	522:1	87.5	100.0	100.0
Reynolds	6,565	621	9.5%	R	1	621:1	45.6	94.5	100.0
Ripley	13,969	1,826	13.1%	R	1	1826:1	77.4	99.3	100.0
Saline	23,347	1,603	6.9%	R	3	534:1	86.3	100.0	100.0
Schuyler	4,370	296	6.8%	R	1	296:1	80.1	100.0	100.0
Scotland	4,863	224	4.6%	R	1	224:1	76.8	100.0	100.0
Scott	38,903	4,380	11.3%	R	5	876:1	89.8	100.0	100.0
Shannon	8,329	882	10.6%	R	1	882:1	49.2	100.0	100.0
Shelby	6,108	419	6.9%	R	2	210:1	85.2	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	12	757:1	99.4	100.0	100.0
St. Clair	9,457	717	7.6%	R	2	359:1	70.2	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	8	759:1	91.4	100.0	100.0
St. Louis	1,001,876	52,150	5.2%	U	67	778:1	100.0	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	17	2329:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	2	442:1	59.3	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	6	509:1	96.5	100.0	100.0
Stone	31,104	1,633	5.3%	R	2	817:1	80.3	100.0	100.0
Sullivan	6,411	474	7.4%	R	1	474:1	59.5	100.0	100.0
Taney	54,230	3,530	6.5%	R	3	1177:1	96.3	99.6	100.0
Texas	25,642	2,073	8.1%	R	3	691:1	79.0	99.5	100.0
Vernon	21,001	1,672	8.0%	R	4	418:1	81.9	99.0	100.0
Warren	33,253	1,574	4.7%	R	1	1574:1	87.3	100.0	100.0
Washington	25,077	2,632	10.5%	R	2	1316:1	72.2	100.0	100.0
Wayne	13,452	1,785	13.3%	R	2	893:1	85.6	100.0	100.0
Webster	36,888	2,495	6.8%	R	3	832:1	79.0	100.0	100.0
Worth	2,073	127	6.1%	R	1	127:1	80.3	100.0	100.0
Wright	18,291	2,195	12.0%	R	3	732:1	90.6	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>504</b>		<b>92.7%</b>	<b>99.9%</b>	<b>100.0%</b>

## Data to Assess Access: FFS Network Access Report

The data sources for each program are shown below. When reviewing each program for network adequacy, the following data sources and descriptions apply for the current 2017 population.

### Data Sources

- Statewide Medicaid Population – per provider data from the State’s Cognos system
- Statewide Medicaid Provider files – per provider data from the State’s Cognos system
- Statewide FQHC, IRHC, PBRHC, CMHC listing – per Exhibit C of the Managed Care Contract Data Analysis was performed using Optum’s Geo Networks software

### Description

The reports are divided into five categories identified on separate worksheets across the bottom of the workbook.

1. Primary Care Services including, Primary Care Physicians, Federally Qualified Health Centers, Rural Health Center (Independent and Provider Based) and Dental Providers
2. Physician Specialty Services including, Cardiology, Neurology, Ophthalmology, Urology/Nephrology, Radiology, and podiatry
3. Behavioral Health Service including, Licensed Clinical Social Workers/Licensed Master Social Worker, Psychology, Licensed Professional Counselor/Provisional Licensed Professional Counselor, Psychiatry Child and Adult, Community Mental Health Center
4. Obstetrics and Gynecology Providers
5. Home Health Agencies

Each worksheet contains the following columns:

- County – Names all Missouri Counties and St. Louis City
- Total Population – Number of residents per county
- Eligibles – Medicaid participants per county
- % Medicaid – Percentage of county population that are Medicaid participants
- County Type Urban, Basic, Rural – County classifications based on total population.
- Providers – Total number of available Medicaid Providers per county
- Ratio – Medicaid Participant to Medicaid Provider Ratio
- Distance Columns 1, 2, 3 – Percentage of Medicaid participants with “provider type” within “x” miles. This is not limited by county, if there are 0 providers in particular county, members may still have an available provider within the distance standard in a nearby county.

Distance standards were applied consistent with 20 CSR 400-7.095 which are used for MO HealthNet’s HMO Managed Care plans (below). The primary care distance standard was used for any provider type, not identified on this list. The three distance columns on the report indicate Urban (closest), Basic (middle), and Rural (furthest). When access standards are reviewed for Managed Care plans each region must meet 90% access based on their county classification. This FFS report was not grouped into regions; therefore, it reports percentages for all three county classifications. It is assumed that each county would only be required to meet a certain percentage, based on their county classification.

## FFS Network Adequacy - Primary Care Services (Primary Care Providers)

Demographics				Primary Care					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles Urban	Distance 1 provider within 20 miles Basic	Distance 1 provider within 30 miles Rural
Adair	25,602	1,636	6.4%	R	77	21:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	20	65:1	96.7	100.0	100.0
Atchison	5,382	336	6.2%	R	10	34:1	93.5	100.0	100.0
Audrain	25,887	1,860	7.2%	R	53	35:1	94.2	100.0	100.0
Barry	35,662	3,686	10.3%	R	68	54:1	90.9	100.0	100.0
Barton	12,057	839	7.0%	R	16	52:1	75.2	100.0	100.0
Bates	16,584	1,059	6.4%	R	32	33:1	90.9	100.0	100.0
Benton	18,806	1,715	9.1%	R	26	66:1	93.2	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	3	338:1	79.7	100.0	100.0
Boone	172,717	7,012	4.1%	B	685	10:1	99.1	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	199	27:1	98.3	100.0	100.0
Butler	42,972	4,893	11.4%	R	132	37:1	91.6	100.0	100.0
Caldwell	9,034	513	5.7%	R	6	86:1	73.1	100.0	100.0
Callaway	44,750	2,288	5.1%	R	66	35:1	95.8	100.0	100.0
Camden	44,021	2,110	4.8%	R	106	20:1	94.7	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	266	16:1	98.1	100.0	100.0
Carroll	9,043	592	6.5%	R	18	33:1	88.7	100.0	100.0
Carter	6,258	830	13.3%	R	21	40:1	63.3	100.0	100.0
Cass	100,889	3,613	3.6%	B	138	26:1	99.0	100.0	100.0
Cedar	13,952	1,380	9.9%	R	15	92:1	90.4	100.0	100.0
Chariton	7,694	645	8.4%	R	11	59:1	90.5	100.0	100.0
Christian	82,101	3,522	4.3%	B	60	59:1	96.3	100.0	100.0
Clark	6,917	382	5.5%	R	4	96:1	77.7	100.0	100.0
Clay	233,682	7,795	3.3%	B	403	19:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	6	93:1	92.3	100.0	100.0
Cole	76,557	3,578	4.7%	B	195	18:1	96.0	100.0	100.0
Cooper	17,585	1,064	6.1%	R	56	19:1	80.8	100.0	100.0
Crawford	24,650	1,910	7.7%	R	17	112:1	89.2	100.0	100.0
Dade	7,628	552	7.2%	R	5	110:1	83.0	100.0	100.0
Dallas	16,389	1,339	8.2%	R	5	268:1	74.2	100.0	100.0
Daviness	8,297	451	5.4%	R	2	226:1	83.4	100.0	100.0
DeKalb	12,692	841	6.6%	R	34	25:1	95.4	100.0	100.0
Dent	15,655	1,527	9.8%	R	10	153:1	83.2	100.0	100.0
Douglas	13,546	1,057	7.8%	R	7	151:1	88.6	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	50	88:1	85.6	95.1	100.0
Franklin	102,084	5,445	5.3%	B	213	26:1	99.0	100.0	100.0
Gasconade	14,866	950	6.4%	R	24	40:1	85.3	100.0	100.0
Gentry	6,826	436	6.4%	R	18	24:1	78.4	100.0	100.0
Greene	285,865	17,632	6.2%	U	822	21:1	98.8	100.0	100.0
Grundy	10,197	747	7.3%	R	38	20:1	88.2	100.0	100.0
Harrison	8,639	654	7.6%	R	35	19:1	77.8	99.8	100.0
Henry	22,028	1,945	8.8%	R	61	32:1	86.5	100.0	100.0
Hickory	9,219	707	7.7%	R	5	141:1	93.9	100.0	100.0
Holt	4,516	237	5.2%	R	7	34:1	85.7	100.0	100.0
Howard	10,159	721	7.1%	R	9	80:1	78.2	100.0	100.0
Howell	40,173	4,233	10.5%	R	102	42:1	87.5	100.0	100.0
Iron	10,267	1,297	12.6%	R	48	27:1	81.6	100.0	100.0
Jackson	683,191	39,120	5.7%	U	2,236	17:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	83	81:1	98.2	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	224	40:1	99.6	100.0	100.0

Demographics				Primary Care					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles Urban	Distance 1 provider within 20 miles Basic	Distance 1 provider within 30 miles Rural
Johnson	54,362	1,813	3.3%	R	107	17:1	92.6	100.0	100.0
Knox	4,000	239	6.0%	R	5	48:1	76.6	100.0	100.0
Laclede	35,439	2,947	8.3%	R	41	72:1	90.8	98.7	100.0
Lafayette	32,688	1,758	5.4%	R	84	21:1	99.2	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	11	131:1	94.4	100.0	100.0
Lewis	10,138	605	6.0%	R	4	151:1	87.4	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	56	50:1	92.1	100.0	100.0
Linn	12,311	777	6.3%	R	15	52:1	86.9	100.0	100.0
Livingston	15,053	995	6.6%	R	55	18:1	89.0	100.0	100.0
Macon	15,479	1,019	6.6%	R	42	24:1	85.3	100.0	100.0
Madison	12,368	1,246	10.1%	R	14	89:1	77.4	100.0	100.0
Maries	9,013	428	4.7%	R	4	107:1	93.9	100.0	100.0
Marion	28,920	2,595	9.0%	R	79	33:1	97.3	100.0	100.0
McDonald	22,800	1,668	7.3%	R	12	139:1	89.1	100.0	100.0
Mercer	3,719	216	5.8%	R	8	27:1	86.1	100.0	100.0
Miller	25,141	1,851	7.4%	R	48	39:1	90.6	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	4	429:1	100.0	100.0	100.0
Moniteau	15,856	680	4.3%	R	11	62:1	98.5	100.0	100.0
Monroe	8,707	331	3.8%	R	2	166:1	71.3	100.0	100.0
Montgomery	11,841	852	7.2%	R	4	213:1	82.5	100.0	100.0
Morgan	20,240	1,814	9.0%	R	35	52:1	97.3	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	12	173:1	92.2	100.0	100.0
Newton	58,598	4,852	8.3%	B	390	12:1	97.2	100.0	100.0
Nodaway	23,081	884	3.8%	R	34	26:1	65.7	99.5	100.0
Oregon	10,911	1,260	11.5%	R	4	315:1	86.1	100.0	100.0
Osage	13,703	426	3.1%	R	15	28:1	93.0	100.0	100.0
Ozark	9,492	796	8.4%	R	3	265:1	70.5	95.2	100.0
Pemiscot	17,650	2,551	14.5%	R	13	196:1	93.6	100.0	100.0
Perry	19,202	1,094	5.7%	R	28	39:1	93.5	100.0	100.0
Pettis	42,225	3,067	7.3%	R	70	44:1	95.3	100.0	100.0
Phelps	44,847	3,019	6.7%	R	91	33:1	93.1	100.0	100.0
Pike	18,541	1,114	6.0%	R	25	45:1	85.4	100.0	100.0
Platte	94,788	2,175	2.3%	B	146	15:1	98.5	100.0	100.0
Polk	31,054	2,299	7.4%	R	58	40:1	93.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	29	78:1	94.7	100.0	100.0
Putnam	4,829	365	7.6%	R	16	23:1	59.5	100.0	100.0
Ralls	10,255	650	6.3%	R	12	54:1	88.9	100.0	100.0
Randolph	25,072	1,948	7.8%	R	63	31:1	95.4	100.0	100.0
Ray	22,949	1,044	4.5%	R	18	58:1	91.3	100.0	100.0
Reynolds	6,565	621	9.5%	R	26	24:1	67.5	100.0	100.0
Ripley	13,969	1,826	13.1%	R	47	39:1	96.8	99.7	100.0
Saline	23,347	1,603	6.9%	R	54	30:1	86.3	100.0	100.0
Schuyler	4,370	296	6.8%	R	3	99:1	87.8	100.0	100.0
Scotland	4,863	224	4.6%	R	21	11:1	76.8	100.0	100.0
Scott	38,903	4,380	11.3%	R	70	63:1	100.0	100.0	100.0
Shannon	8,329	882	10.6%	R	8	110:1	20.1	100.0	100.0
Shelby	6,108	419	6.9%	R	2	210:1	87.4	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	814	11:1	99.8	100.0	100.0
St. Clair	9,457	717	7.6%	R	24	30:1	78.8	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	185	33:1	96.6	100.0	100.0

County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles Urban	Distance 1 provider within 20 miles Basic	Distance 1 provider within 30 miles Rural
St. Louis Co.	1,001,876	52,150	5.2%	U	2,867	18:1	100.0	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	1,802	22:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	35	25:1	82.2	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	88	35:1	96.7	100.0	100.0
Stone	31,104	1,633	5.3%	R	12	136:1	93.0	100.0	100.0
Sullivan	6,411	474	7.4%	R	9	53:1	83.1	100.0	100.0
Taney	54,230	3,530	6.5%	R	197	18:1	99.2	100.0	100.0
Texas	25,642	2,073	8.1%	R	31	67:1	90.2	99.1	100.0
Vernon	21,001	1,672	8.0%	R	42	40:1	88.2	100.0	100.0
Warren	33,253	1,574	4.7%	R	26	61:1	98.7	100.0	100.0
Washington	25,077	2,632	10.5%	R	18	146:1	72.5	100.0	100.0
Wayne	13,452	1,785	13.3%	R	23	78:1	91.7	100.0	100.0
Webster	36,888	2,495	6.8%	R	21	119:1	92.7	100.0	100.0
Worth	2,073	127	6.1%	R	4	32:1	81.1	100.0	100.0
Wright	18,291	2,195	12.0%	R	13	169:1	88.4	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>14,857</b>	<b>25:1</b>	<b>95.6</b>	<b>99.9</b>	<b>100.0</b>

## FFS Network Adequacy - Primary Care Services (Federally Qualified Health Centers)

Demographics				FQHC					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Adair	25,602	1,636	6.4%	R	5	327:1	91.4	100.0	100.0
Andrew	17,379	1,299	7.5%	R	3	433:1	94.8	100.0	100.0
Atchison	5,382	336	6.2%	R	0	0	0.0	8.3	76.2
Audrain	25,887	1,860	7.2%	R	1	1860:1	59.4	82.6	100.0
Barry	35,662	3,686	10.3%	R	0	0	3.2	55.3	92.9
Barton	12,057	839	7.0%	R	1	839:1	66.9	95.9	100.0
Bates	16,584	1,059	6.4%	R	2	530:1	72.6	100.0	100.0
Benton	18,806	1,715	9.1%	R	1	1715:1	61.0	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	2	508:1	70.0	96.4	100.0
Boone	172,717	7,012	4.1%	B	4	1753:1	88.9	99.3	100.0
Buchanan	89,486	5,467	6.1%	B	5	1093:1	97.5	99.5	100.0
Butler	42,972	4,893	11.4%	R	2	2447:1	81.2	99.5	100.0
Caldwell	9,034	513	5.7%	R	3	171:1	73.1	100.0	100.0
Callaway	44,750	2,288	5.1%	R	1	2288:1	60.6	99.9	100.0
Camden	44,021	2,110	4.8%	R	2	1055:1	74.9	98.3	100.0
Cape Girardeau	78,043	4,307	5.5%	B	2	2154:1	71.7	98.6	100.0
Carroll	9,043	592	6.5%	R	1	592:1	72.5	95.4	100.0
Carter	6,258	830	13.3%	R	1	830:1	13.6	76.5	100.0
Cass	100,889	3,613	3.6%	B	1	3613:1	50.4	80.6	99.5
Cedar	13,952	1,380	9.9%	R	1	1380:1	53.3	75.7	100.0
Chariton	7,694	645	8.4%	R	3	215:1	64.8	95.2	100.0
Christian	82,101	3,522	4.3%	B	0	0	10.8	94.2	100.0
Clark	6,917	382	5.5%	R	1	382:1	77.7	100.0	100.0
Clay	233,682	7,795	3.3%	B	1	7795:1	83.2	99.9	100.0
Clinton	20,299	558	2.7%	R	0	0	0.0	30.1	100.0
Cole	76,557	3,578	4.7%	B	1	3578:1	80.0	99.3	100.0
Cooper	17,585	1,064	6.1%	R	0	0	0.0	29.8	100.0
Crawford	24,650	1,910	7.7%	R	0	0	1.7	11.0	77.0
Dade	7,628	552	7.2%	R	0	0	0.0	12.7	100.0
Dallas	16,389	1,339	8.2%	R	1	1339:1	22.6	96.0	100.0
Daviess	8,297	451	5.4%	R	0	0	0.0	69.2	100.0
DeKalb	12,692	841	6.6%	R	0	0	3.2	93.3	100.0
Dent	15,655	1,527	9.8%	R	0	0	2.0	9.7	96.6
Douglas	13,546	1,057	7.8%	R	1	1057:1	75.2	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	1	4384:1	64.8	94.0	100.0
Franklin	102,084	5,445	5.3%	B	3	1815:1	45.6	80.1	100.0
Gasconade	14,866	950	6.4%	R	0	0	0.0	19.1	94.9
Gentry	6,826	436	6.4%	R	1	436:1	20.9	43.1	100.0
Greene	285,865	17,632	6.2%	U	3	5877:1	92.8	99.7	100.0
Grundy	10,197	747	7.3%	R	0	0	0.0	5.9	39.5
Harrison	8,639	654	7.6%	R	0	0	9.6	23.2	100.0
Henry	22,028	1,945	8.8%	R	1	1945:1	60.7	85.9	100.0
Hickory	9,219	707	7.7%	R	2	354:1	66.3	100.0	100.0
Holt	4,516	237	5.2%	R	1	237:1	47.3	100.0	100.0
Howard	10,159	721	7.1%	R	0	0	1.5	34.8	100.0
Howell	40,173	4,233	10.5%	R	1	4233:1	53.4	88.4	100.0
Iron	10,267	1,297	12.6%	R	3	432:1	81.5	100.0	100.0
Jackson	683,191	39,120	5.7%	U	11	3556:1	96.4	100.0	100.0
Jasper	117,543	6,762	5.8%	B	3	2254:1	63.1	96.6	100.0
Jefferson	222,716	8,948	4.0%	B	6	1491:1	84.0	100.0	100.0

Demographics				FQHC					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Johnson	54,362	1,813	3.3%	R	0	0	0.0	30.1	100.0
Knox	4,000	239	6.0%	R	1	239:1	72.0	95.4	100.0
Laclede	35,439	2,947	8.3%	R	1	2947:1	76.2	98.0	100.0
Lafayette	32,688	1,758	5.4%	R	5	352:1	69.1	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	1	1446:1	44.5	98.0	100.0
Lewis	10,138	605	6.0%	R	0	0	0.0	17.2	95.9
Lincoln	54,249	2,774	5.1%	R	0	0	0.8	65.7	93.8
Linn	12,311	777	6.3%	R	0	0	26.6	93.8	100.0
Livingston	15,053	995	6.6%	R	0	0	1.6	9.5	95.5
Macon	15,479	1,019	6.6%	R	2	510:1	63.0	99.4	100.0
Madison	12,368	1,246	10.1%	R	0	0	0.0	39.7	100.0
Maries	9,013	428	4.7%	R	0	0	2.3	65.2	100.0
Marion	28,920	2,595	9.0%	R	1	2595:1	85.0	96.6	100.0
McDonald	22,800	1,668	7.3%	R	2	834:1	50.5	95.0	100.0
Mercer	3,719	216	5.8%	R	1	216:1	8.3	100.0	100.0
Miller	25,141	1,851	7.4%	R	0	0	26.0	93.6	100.0
Mississippi	14,232	1,717	12.1%	R	1	1717:1	53.2	100.0	100.0
Moniteau	15,856	680	4.3%	R	1	680:1	61.9	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	0.0	7.6	76.7
Montgomery	11,841	852	7.2%	R	0	0	0.0	25.1	98.7
Morgan	20,240	1,814	9.0%	R	2	907:1	53.8	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	4	520:1	54.2	100.0	100.0
Newton	58,598	4,852	8.3%	B	1	4852:1	79.9	99.3	100.0
Nodaway	23,081	884	3.8%	R	0	0	0.0	9.7	77.8
Oregon	10,911	1,260	11.5%	R	1	1260:1	41.8	100.0	100.0
Osage	13,703	426	3.1%	R	1	426:1	68.1	96.9	100.0
Ozark	9,492	796	8.4%	R	1	796:1	48.9	90.3	100.0
Pemiscot	17,650	2,551	14.5%	R	2	1276:1	71.5	100.0	100.0
Perry	19,202	1,094	5.7%	R	2	547:1	80.5	97.8	100.0
Pettis	42,225	3,067	7.3%	R	2	1534:1	84.1	100.0	100.0
Phelps	44,847	3,019	6.7%	R	2	1510:1	72.7	96.2	99.8
Pike	18,541	1,114	6.0%	R	0	0	0.0	3.7	12.5
Platte	94,788	2,175	2.3%	B	1	2175:1	70.4	93.0	100.0
Polk	31,054	2,299	7.4%	R	1	2299:1	60.8	85.3	100.0
Pulaski	53,436	2,275	4.3%	R	1	2275:1	18.9	97.4	100.0
Putnam	4,829	365	7.6%	R	0	0	0.0	4.9	98.9
Ralls	10,255	650	6.3%	R	0	0	18.3	56.0	100.0
Randolph	25,072	1,948	7.8%	R	0	0	1.1	61.9	100.0
Ray	22,949	1,044	4.5%	R	0	0	12.0	80.6	100.0
Reynolds	6,565	621	9.5%	R	2	311:1	45.6	92.6	100.0
Ripley	13,969	1,826	13.1%	R	1	1826:1	22.0	96.7	100.0
Saline	23,347	1,603	6.9%	R	1	1603:1	79.0	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	0.0	36.1	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	54.0	100.0
Scott	38,903	4,380	11.3%	R	3	1460:1	90.4	100.0	100.0
Shannon	8,329	882	10.6%	R	1	882:1	20.1	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	0.0	28.9	98.1
St. Charles	379,493	9,085	2.4%	U	2	4543:1	94.8	100.0	100.0
St. Clair	9,457	717	7.6%	R	1	717:1	55.0	91.1	100.0
St. Francois	65,960	6,074	9.2%	B	1	6074:1	63.4	100.0	100.0

Demographics				FQHC					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
St. Louis Co.	1,001,876	52,150	5.2%	U	2	26075:1	94.8	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	15	2639:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	0	0	4.5	50.6	100.0
Stoddard	29,867	3,054	10.2%	R	3	1018:1	44.4	92.4	100.0
Stone	31,104	1,633	5.3%	R	1	1633:1	52.4	95.1	100.0
Sullivan	6,411	474	7.4%	R	1	474:1	57.8	94.5	100.0
Taney	54,230	3,530	6.5%	R	2	1765:1	95.9	99.6	100.0
Texas	25,642	2,073	8.1%	R	1	2073:1	23.4	44.9	80.3
Vernon	21,001	1,672	8.0%	R	0	0	0.6	55.1	98.6
Warren	33,253	1,574	4.7%	R	1	1574:1	76.1	99.6	100.0
Washington	25,077	2,632	10.5%	R	1	2632:1	65.2	98.9	100.0
Wayne	13,452	1,785	13.3%	R	1	1785:1	25.4	100.0	100.0
Webster	36,888	2,495	6.8%	R	2	1248:1	70.1	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	0.0	0.0	7.1
Wright	18,291	2,195	12.0%	R	2	1098:1	69.7	97.7	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>163</b>	<b>2255:1</b>	<b>73.3</b>	<b>92.4</b>	<b>99.1</b>

## FFS Network Adequacy - Primary Care Services (Rural Health Clinics)

Demographics	RHC								
	County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles
Adair	25,602	1,636	6.4%	R	2	818:1	85.6	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	0.0	14.5	98.8
Atchison	5,382	336	6.2%	R	0	0	0.0	0.0	16.4
Audrain	25,887	1,860	7.2%	R	6	310:1	94.2	100.0	100.0
Barry	35,662	3,686	10.3%	R	9	410:1	88.4	100.0	100.0
Barton	12,057	839	7.0%	R	2	420:1	87.7	100.0	100.0
Bates	16,584	1,059	6.4%	R	5	212:1	89.6	100.0	100.0
Benton	18,806	1,715	9.1%	R	2	858:1	62.9	91.8	100.0
Bollinger	12,394	1,015	8.2%	R	1	1015:1	70.0	100.0	100.0
Boone	172,717	7,012	4.1%	B	1	7012:1	11.7	93.3	100.0
Buchanan	89,486	5,467	6.1%	B	0	0	0.3	76.3	99.1
Butler	42,972	4,893	11.4%	R	10	489:1	85.0	99.7	100.0
Caldwell	9,034	513	5.7%	R	2	257:1	75.6	100.0	100.0
Callaway	44,750	2,288	5.1%	R	2	1144:1	59.4	88.5	100.0
Camden	44,021	2,110	4.8%	R	3	703:1	91.6	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	11	392:1	94.6	100.0	100.0
Carroll	9,043	592	6.5%	R	4	148:1	95.9	100.0	100.0
Carter	6,258	830	13.3%	R	1	830:1	13.6	100.0	100.0
Cass	100,889	3,613	3.6%	B	4	903:1	47.1	100.0	100.0
Cedar	13,952	1,380	9.9%	R	3	460:1	87.8	100.0	100.0
Chariton	7,694	645	8.4%	R	2	323:1	68.4	100.0	100.0
Christian	82,101	3,522	4.3%	B	3	1174:1	93.9	100.0	100.0
Clark	6,917	382	5.5%	R	1	382:1	19.1	100.0	100.0
Clay	233,682	7,795	3.3%	B	0	0	0.3	18.0	83.8
Clinton	20,299	558	2.7%	R	3	186:1	64.3	100.0	100.0
Cole	76,557	3,578	4.7%	B	0	0	0.0	4.8	98.1
Cooper	17,585	1,064	6.1%	R	2	532:1	83.0	100.0	100.0
Crawford	24,650	1,910	7.7%	R	7	273:1	87.4	99.1	100.0
Dade	7,628	552	7.2%	R	2	276:1	86.6	100.0	100.0
Dallas	16,389	1,339	8.2%	R	4	335:1	74.2	100.0	100.0
Daviess	8,297	451	5.4%	R	4	113:1	92.9	100.0	100.0
DeKalb	12,692	841	6.6%	R	1	841:1	23.5	99.3	100.0
Dent	15,655	1,527	9.8%	R	4	382:1	82.2	99.0	100.0
Douglas	13,546	1,057	7.8%	R	1	1057:1	13.3	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	9	487:1	95.3	100.0	100.0
Franklin	102,084	5,445	5.3%	B	3	1815:1	49.9	97.1	100.0
Gasconade	14,866	950	6.4%	R	3	317:1	80.2	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	25.0	100.0	100.0
Greene	285,865	17,632	6.2%	U	4	4408:1	30.0	100.0	100.0
Grundy	10,197	747	7.3%	R	2	374:1	88.2	100.0	100.0
Harrison	8,639	654	7.6%	R	3	218:1	76.1	97.2	100.0
Henry	22,028	1,945	8.8%	R	2	973:1	83.9	100.0	100.0
Hickory	9,219	707	7.7%	R	1	707:1	82.2	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	0.0	8.0	93.2
Howard	10,159	721	7.1%	R	1	721:1	23.4	100.0	100.0
Howell	40,173	4,233	10.5%	R	10	423:1	82.0	99.7	100.0
Iron	10,267	1,297	12.6%	R	2	649:1	56.9	91.3	100.0
Jackson	683,191	39,120	5.7%	U	0	0	1.6	20.7	79.2
Jasper	117,543	6,762	5.8%	B	4	1691:1	44.5	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	2	4474:1	24.8	65.6	100.0

Demographics	RHC								
	County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles
Johnson	54,362	1,813	3.3%	R	5	363:1	87.4	100.0	100.0
Knox	4,000	239	6.0%	R	2	120:1	89.1	100.0	100.0
Laclede	35,439	2,947	8.3%	R	7	421:1	84.9	98.7	100.0
Lafayette	32,688	1,758	5.4%	R	5	352:1	93.7	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	3	482:1	89.8	100.0	100.0
Lewis	10,138	605	6.0%	R	4	151:1	89.3	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	6	462:1	91.6	100.0	100.0
Linn	12,311	777	6.3%	R	2	389:1	73.2	99.7	100.0
Livingston	15,053	995	6.6%	R	1	995:1	84.7	100.0	100.0
Macon	15,479	1,019	6.6%	R	2	510:1	81.5	99.3	100.0
Madison	12,368	1,246	10.1%	R	2	623:1	77.4	97.1	100.0
Maries	9,013	428	4.7%	R	2	214:1	88.3	100.0	100.0
Marion	28,920	2,595	9.0%	R	3	865:1	97.1	100.0	100.0
McDonald	22,800	1,668	7.3%	R	5	334:1	87.0	100.0	100.0
Mercer	3,719	216	5.8%	R	1	216:1	77.8	100.0	100.0
Miller	25,141	1,851	7.4%	R	4	463:1	89.0	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	4	429:1	97.7	100.0	100.0
Moniteau	15,856	680	4.3%	R	1	680:1	34.1	96.5	100.0
Monroe	8,707	331	3.8%	R	2	166:1	72.2	100.0	100.0
Montgomery	11,841	852	7.2%	R	4	213:1	65.1	100.0	100.0
Morgan	20,240	1,814	9.0%	R	2	907:1	85.8	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	4	520:1	53.6	100.0	100.0
Newton	58,598	4,852	8.3%	B	2	2426:1	35.8	98.8	100.0
Nodaway	23,081	884	3.8%	R	2	442:1	68.2	96.8	100.0
Oregon	10,911	1,260	11.5%	R	2	630:1	88.1	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	0.5	75.8	100.0
Ozark	9,492	796	8.4%	R	2	398:1	67.5	90.3	100.0
Pemiscot	17,650	2,551	14.5%	R	8	319:1	96.6	100.0	100.0
Perry	19,202	1,094	5.7%	R	5	219:1	82.6	99.6	100.0
Pettis	42,225	3,067	7.3%	R	0	0	1.4	22.7	100.0
Phelps	44,847	3,019	6.7%	R	6	503:1	90.3	100.0	100.0
Pike	18,541	1,114	6.0%	R	5	223:1	88.0	100.0	100.0
Platte	94,788	2,175	2.3%	B	0	0	0.0	3.4	41.5
Polk	31,054	2,299	7.4%	R	9	255:1	91.9	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	4	569:1	87.6	100.0	100.0
Putnam	4,829	365	7.6%	R	1	365:1	59.5	100.0	100.0
Ralls	10,255	650	6.3%	R	2	325:1	77.5	100.0	100.0
Randolph	25,072	1,948	7.8%	R	2	974:1	92.8	100.0	100.0
Ray	22,949	1,044	4.5%	R	2	522:1	69.3	100.0	100.0
Reynolds	6,565	621	9.5%	R	1	621:1	42.7	69.7	100.0
Ripley	13,969	1,826	13.1%	R	1	1826:1	74.8	99.3	100.0
Saline	23,347	1,603	6.9%	R	3	534:1	96.6	100.0	100.0
Schuyler	4,370	296	6.8%	R	1	296:1	86.8	100.0	100.0
Scotland	4,863	224	4.6%	R	1	224:1	89.3	100.0	100.0
Scott	38,903	4,380	11.3%	R	11	398:1	99.4	100.0	100.0
Shannon	8,329	882	10.6%	R	2	441:1	79.9	100.0	100.0
Shelby	6,108	419	6.9%	R	2	210:1	81.4	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	0	0	1.5	47.8	99.8
St. Clair	9,457	717	7.6%	R	4	179:1	78.2	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	4	1519:1	94.8	100.0	100.0

Demographics	RHC								
	County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles
St. Louis Co.	1,001,876	52,150	5.2%	U	0	0	0.0	0.1	9.5
St. Louis City	317,419	39,585	12.5%	U	0	0	0.0	0.0	0.0
Ste. Genevieve	17,914	884	4.9%	R	5	177:1	77.7	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	11	278:1	94.5	100.0	100.0
Stone	31,104	1,633	5.3%	R	4	408:1	84.5	100.0	100.0
Sullivan	6,411	474	7.4%	R	3	158:1	81.9	100.0	100.0
Taney	54,230	3,530	6.5%	R	8	441:1	96.0	100.0	100.0
Texas	25,642	2,073	8.1%	R	5	415:1	88.3	98.6	100.0
Vernon	21,001	1,672	8.0%	R	3	557:1	88.2	100.0	100.0
Warren	33,253	1,574	4.7%	R	1	1574:1	88.6	100.0	100.0
Washington	25,077	2,632	10.5%	R	6	439:1	76.5	96.5	100.0
Wayne	13,452	1,785	13.3%	R	2	893:1	69.6	96.1	100.0
Webster	36,888	2,495	6.8%	R	6	416:1	92.7	100.0	100.0
Worth	2,073	127	6.1%	R	1	127:1	80.3	100.0	100.0
Wright	18,291	2,195	12.0%	R	7	314:1	88.4	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>364</b>	<b>1010:1</b>	<b>39.0</b>	<b>59.2</b>	<b>73.4</b>

## FFS Network Adequacy - Primary Care Services (Dental)

Demographics	Dental								
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Adair	25,602	1,636	6.4%	R	7	234:1	91.4	100.0	100.0
Andrew	17,379	1,299	7.5%	R	5	260:1	95.8	100.0	100.0
Atchison	5,382	336	6.2%	R	1	336:1	55.1	94.3	100.0
Audrain	25,887	1,860	7.2%	R	3	620:1	59.6	96.7	100.0
Barry	35,662	3,686	10.3%	R	4	922:1	34.7	100.0	100.0
Barton	12,057	839	7.0%	R	0	0	0.0	3.8	100.0
Bates	16,584	1,059	6.4%	R	4	265:1	54.8	100.0	100.0
Benton	18,806	1,715	9.1%	R	2	858:1	64.5	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	6	169:1	70.0	96.4	100.0
Boone	172,717	7,012	4.1%	B	19	369:1	89.5	99.3	100.0
Buchanan	89,486	5,467	6.1%	B	18	304:1	97.7	99.4	100.0
Butler	42,972	4,893	11.4%	R	14	350:1	85.7	99.7	100.0
Caldwell	9,034	513	5.7%	R	4	128:1	71.9	100.0	100.0
Callaway	44,750	2,288	5.1%	R	5	458:1	76.6	100.0	100.0
Camden	44,021	2,110	4.8%	R	6	352:1	90.9	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	19	227:1	94.1	100.0	100.0
Carroll	9,043	592	6.5%	R	8	74:1	72.5	95.4	100.0
Carter	6,258	830	13.3%	R	1	830:1	49.6	97.6	100.0
Cass	100,889	3,613	3.6%	B	11	328:1	88.3	97.8	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	57.2	77.5	100.0
Chariton	7,694	645	8.4%	R	17	38:1	65.6	95.8	100.0
Christian	82,101	3,522	4.3%	B	13	271:1	86.8	100.0	100.0
Clark	6,917	382	5.5%	R	2	191:1	77.7	100.0	100.0
Clay	233,682	7,795	3.3%	B	20	390:1	97.0	100.0	100.0
Clinton	20,299	558	2.7%	R	1	558:1	14.5	100.0	100.0
Cole	76,557	3,578	4.7%	B	24	149:1	90.4	100.0	100.0
Cooper	17,585	1,064	6.1%	R	0	0	0.0	85.5	100.0
Crawford	24,650	1,910	7.7%	R	1	1910:1	45.0	97.5	100.0
Dade	7,628	552	7.2%	R	0	0	10.7	54.2	100.0
Dallas	16,389	1,339	8.2%	R	2	670:1	67.9	100.0	100.0
Daviess	8,297	451	5.4%	R	2	226:1	59.6	96.9	100.0
DeKalb	12,692	841	6.6%	R	3	280:1	79.2	100.0	100.0
Dent	15,655	1,527	9.8%	R	1	1527:1	78.3	94.6	100.0
Douglas	13,546	1,057	7.8%	R	7	151:1	75.2	96.6	100.0
Dunklin	31,344	4,384	14.0%	R	6	731:1	78.4	95.1	100.0
Franklin	102,084	5,445	5.3%	B	10	545:1	63.9	85.7	100.0
Gasconade	14,866	950	6.4%	R	2	475:1	70.7	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	37.2	100.0	100.0
Greene	285,865	17,632	6.2%	U	60	294:1	97.1	100.0	100.0
Grundy	10,197	747	7.3%	R	3	249:1	86.5	100.0	100.0
Harrison	8,639	654	7.6%	R	3	218:1	67.9	96.0	100.0
Henry	22,028	1,945	8.8%	R	3	648:1	81.3	99.9	100.0
Hickory	9,219	707	7.7%	R	3	236:1	66.3	100.0	100.0
Holt	4,516	237	5.2%	R	2	119:1	52.7	100.0	100.0
Howard	10,159	721	7.1%	R	2	361:1	62.0	100.0	100.0
Howell	40,173	4,233	10.5%	R	9	470:1	80.4	99.7	100.0
Iron	10,267	1,297	12.6%	R	0	0	0.0	38.2	100.0
Jackson	683,191	39,120	5.7%	U	148	264:1	99.5	100.0	100.0
Jasper	117,543	6,762	5.8%	B	17	398:1	93.4	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	17	526:1	91.5	100.0	100.0

Demographics				Dental					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Johnson	54,362	1,813	3.3%	R	0	0	0.7	44.6	100.0
Knox	4,000	239	6.0%	R	1	239:1	80.3	96.2	100.0
Laclede	35,439	2,947	8.3%	R	1	2947:1	81.7	99.3	100.0
Lafayette	32,688	1,758	5.4%	R	10	176:1	41.6	98.1	100.0
Lawrence	38,023	1,446	3.8%	R	2	723:1	60.9	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	0.0	32.1	100.0
Lincoln	54,249	2,774	5.1%	R	4	694:1	75.8	100.0	100.0
Linn	12,311	777	6.3%	R	4	194:1	78.1	94.2	100.0
Livingston	15,053	995	6.6%	R	7	142:1	85.3	100.0	100.0
Macon	15,479	1,019	6.6%	R	0	0	0.0	23.7	98.3
Madison	12,368	1,246	10.1%	R	0	0	0.0	33.9	100.0
Maries	9,013	428	4.7%	R	0	0	21.7	88.1	100.0
Marion	28,920	2,595	9.0%	R	14	185:1	95.5	100.0	100.0
McDonald	22,800	1,668	7.3%	R	18	93:1	66.7	97.5	100.0
Mercer	3,719	216	5.8%	R	0	0	0.0	0.9	100.0
Miller	25,141	1,851	7.4%	R	1	1851:1	28.0	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	1	1717:1	56.7	100.0	100.0
Moniteau	15,856	680	4.3%	R	5	136:1	61.9	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	0.0	13.9	69.5
Montgomery	11,841	852	7.2%	R	0	0	3.6	48.8	100.0
Morgan	20,240	1,814	9.0%	R	2	907:1	74.6	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	7	297:1	55.9	100.0	100.0
Newton	58,598	4,852	8.3%	B	10	485:1	84.3	99.8	100.0
Nodaway	23,081	884	3.8%	R	4	221:1	66.3	97.6	100.0
Oregon	10,911	1,260	11.5%	R	3	420:1	43.8	100.0	100.0
Osage	13,703	426	3.1%	R	6	71:1	68.1	100.0	100.0
Ozark	9,492	796	8.4%	R	4	199:1	48.9	90.3	100.0
Pemiscot	17,650	2,551	14.5%	R	7	364:1	73.3	100.0	100.0
Perry	19,202	1,094	5.7%	R	10	109:1	82.6	99.4	100.0
Pettis	42,225	3,067	7.3%	R	12	256:1	89.8	100.0	100.0
Phelps	44,847	3,019	6.7%	R	15	201:1	89.3	99.1	100.0
Pike	18,541	1,114	6.0%	R	0	0	0.4	12.8	100.0
Platte	94,788	2,175	2.3%	B	3	725:1	92.5	100.0	100.0
Polk	31,054	2,299	7.4%	R	9	255:1	64.3	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	12	190:1	75.7	100.0	100.0
Putnam	4,829	365	7.6%	R	2	183:1	59.5	100.0	100.0
Ralls	10,255	650	6.3%	R	1	650:1	37.1	100.0	100.0
Randolph	25,072	1,948	7.8%	R	0	0	0.8	57.4	100.0
Ray	22,949	1,044	4.5%	R	0	0	21.0	100.0	100.0
Reynolds	6,565	621	9.5%	R	10	62:1	44.9	73.9	100.0
Ripley	13,969	1,826	13.1%	R	0	0	0.0	19.4	99.4
Saline	23,347	1,603	6.9%	R	2	802:1	93.3	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	0.0	36.1	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	54.0	100.0
Scott	38,903	4,380	11.3%	R	16	274:1	92.3	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	0.0	41.5	100.0
Shelby	6,108	419	6.9%	R	0	0	0.0	6.4	35.6
St. Charles	379,493	9,085	2.4%	U	23	395:1	98.8	100.0	100.0
St. Clair	9,457	717	7.6%	R	4	179:1	55.0	91.1	100.0
St. Francois	65,960	6,074	9.2%	B	13	467:1	84.2	100.0	100.0

Demographics					Dental				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
St. Louis Co.	1,001,876	52,150	5.2%	U	75	695:1	100.0	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	122	324:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	1	884:1	57.0	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	13	235:1	77.2	97.0	100.0
Stone	31,104	1,633	5.3%	R	6	272:1	71.8	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	1.7	39.9	100.0
Taney	54,230	3,530	6.5%	R	1	3530:1	82.9	99.9	100.0
Texas	25,642	2,073	8.1%	R	6	346:1	59.9	95.9	100.0
Vernon	21,001	1,672	8.0%	R	7	239:1	80.1	99.0	100.0
Warren	33,253	1,574	4.7%	R	3	525:1	93.8	100.0	100.0
Washington	25,077	2,632	10.5%	R	14	188:1	67.9	95.3	100.0
Wayne	13,452	1,785	13.3%	R	2	893:1	72.4	100.0	100.0
Webster	36,888	2,495	6.8%	R	9	277:1	83.5	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	0.0	5.5	100.0
Wright	18,291	2,195	12.0%	R	3	732:1	56.5	94.2	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1023</b>	<b>359:1</b>	<b>83.4</b>	<b>96.3</b>	<b>99.9</b>

## FFS Network Adequacy – Physician Specialty Services (Cardiology)

Demographics				Cardiology						
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles	
Adair	25,602	1,636	6.4%	R	7	234:1	100.0	100.0	100.0	
Andrew	17,379	1,299	7.5%	R	0	0	98.8	100.0	100.0	
Atchison	5,382	336	6.2%	R	3	112:1	100.0	100.0	100.0	
Audrain	25,887	1,860	7.2%	R	2	930:1	87.5	100.0	100.0	
Barry	35,662	3,686	10.3%	R	0	0	7.0	100.0	100.0	
Barton	12,057	839	7.0%	R	0	0	64.5	100.0	100.0	
Bates	16,584	1,059	6.4%	R	1	1059:1	100.0	100.0	100.0	
Benton	18,806	1,715	9.1%	R	2	858:1	100.0	100.0	100.0	
Bollinger	12,394	1,015	8.2%	R	0	0	72.8	100.0	100.0	
Boone	172,717	7,012	4.1%	B	46	152:1	100.0	100.0	100.0	
Buchanan	89,486	5,467	6.1%	B	22	249:1	99.9	100.0	100.0	
Butler	42,972	4,893	11.4%	R	18	272:1	100.0	100.0	100.0	
Caldwell	9,034	513	5.7%	R	0	0	43.3	100.0	100.0	
Callaway	44,750	2,288	5.1%	R	3	763:1	100.0	100.0	100.0	
Camden	44,021	2,110	4.8%	R	4	528:1	100.0	100.0	100.0	
Cape Girardeau	78,043	4,307	5.5%	B	17	253:1	100.0	100.0	100.0	
Carroll	9,043	592	6.5%	R	3	197:1	100.0	100.0	100.0	
Carter	6,258	830	13.3%	R	0	0	50.8	100.0	100.0	
Cass	100,889	3,613	3.6%	B	49	74:1	100.0	100.0	100.0	
Cedar	13,952	1,380	9.9%	R	0	0	92.3	100.0	100.0	
Chariton	7,694	645	8.4%	R	0	0	89.1	100.0	100.0	
Christian	82,101	3,522	4.3%	B	0	0	98.4	100.0	100.0	
Clark	6,917	382	5.5%	R	0	0	32.5	100.0	100.0	
Clay	233,682	7,795	3.3%	B	48	162:1	100.0	100.0	100.0	
Clinton	20,299	558	2.7%	R	0	0	100.0	100.0	100.0	
Cole	76,557	3,578	4.7%	B	9	398:1	100.0	100.0	100.0	
Cooper	17,585	1,064	6.1%	R	6	177:1	100.0	100.0	100.0	
Crawford	24,650	1,910	7.7%	R	0	0	95.9	100.0	100.0	
Dade	7,628	552	7.2%	R	0	0	12.7	100.0	100.0	
Dallas	16,389	1,339	8.2%	R	0	0	91.9	100.0	100.0	
Daviess	8,297	451	5.4%	R	0	0	29.0	100.0	100.0	
DeKalb	12,692	841	6.6%	R	0	0	18.0	100.0	100.0	
Dent	15,655	1,527	9.8%	R	0	0	4.5	100.0	100.0	
Douglas	13,546	1,057	7.8%	R	0	0	0.0	100.0	100.0	
Dunklin	31,344	4,384	14.0%	R	2	2192:1	87.5	100.0	100.0	
Franklin	102,084	5,445	5.3%	B	20	272:1	100.0	100.0	100.0	
Gasconade	14,866	950	6.4%	R	8	119:1	100.0	100.0	100.0	
Gentry	6,826	436	6.4%	R	0	0	0.0	100.0	100.0	
Greene	285,865	17,632	6.2%	U	34	519:1	100.0	100.0	100.0	
Grundy	10,197	747	7.3%	R	2	374:1	100.0	100.0	100.0	
Harrison	8,639	654	7.6%	R	0	0	8.3	99.2	100.0	
Henry	22,028	1,945	8.8%	R	2	973:1	100.0	100.0	100.0	
Hickory	9,219	707	7.7%	R	0	0	92.8	100.0	100.0	
Holt	4,516	237	5.2%	R	0	0	66.7	100.0	100.0	
Howard	10,159	721	7.1%	R	0	0	98.5	100.0	100.0	
Howell	40,173	4,233	10.5%	R	11	385:1	100.0	100.0	100.0	
Iron	10,267	1,297	12.6%	R	1	1297:1	91.3	100.0	100.0	
Jackson	683,191	39,120	5.7%	U	223	175:1	100.0	100.0	100.0	
Jasper	117,543	6,762	5.8%	B	5	1352:1	100.0	100.0	100.0	
Jefferson	222,716	8,948	4.0%	B	20	447:1	100.0	100.0	100.0	

Demographics				Cardiology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
Johnson	54,362	1,813	3.3%	R	37	49:1	100.0	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	72.0	100.0	100.0
Laclede	35,439	2,947	8.3%	R	1	2947:1	97.5	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	22	80:1	100.0	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	0	0	24.1	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	6.3	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	7	396:1	100.0	100.0	100.0
Linn	12,311	777	6.3%	R	6	130:1	100.0	100.0	100.0
Livingston	15,053	995	6.6%	R	1	995:1	100.0	100.0	100.0
Macon	15,479	1,019	6.6%	R	12	85:1	100.0	100.0	100.0
Madison	12,368	1,246	10.1%	R	0	0	68.8	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	100.0	100.0	100.0
Marion	28,920	2,595	9.0%	R	15	173:1	99.8	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	85.1	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	75.9	100.0	100.0
Miller	25,141	1,851	7.4%	R	1	1851:1	100.0	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	100.0	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	100.0	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	86.4	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	95.0	100.0	100.0
Morgan	20,240	1,814	9.0%	R	2	907:1	99.7	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	93.9	100.0	100.0
Newton	58,598	4,852	8.3%	B	26	187:1	100.0	100.0	100.0
Nodaway	23,081	884	3.8%	R	0	0	12.3	100.0	100.0
Oregon	10,911	1,260	11.5%	R	0	0	9.8	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	98.8	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	15.1	100.0	100.0
Pemiscot	17,650	2,551	14.5%	R	3	850:1	100.0	100.0	100.0
Perry	19,202	1,094	5.7%	R	4	274:1	100.0	100.0	100.0
Pettis	42,225	3,067	7.3%	R	3	1022:1	100.0	100.0	100.0
Phelps	44,847	3,019	6.7%	R	7	431:1	99.9	100.0	100.0
Pike	18,541	1,114	6.0%	R	1	1114:1	100.0	100.0	100.0
Platte	94,788	2,175	2.3%	B	13	167:1	100.0	100.0	100.0
Polk	31,054	2,299	7.4%	R	8	287:1	100.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	3	758:1	100.0	100.0	100.0
Putnam	4,829	365	7.6%	R	5	73:1	100.0	100.0	100.0
Ralls	10,255	650	6.3%	R	0	0	93.7	100.0	100.0
Randolph	25,072	1,948	7.8%	R	8	244:1	100.0	100.0	100.0
Ray	22,949	1,044	4.5%	R	2	522:1	100.0	100.0	100.0
Reynolds	6,565	621	9.5%	R	0	0	11.1	100.0	100.0
Ripley	13,969	1,826	13.1%	R	0	0	19.4	100.0	100.0
Saline	23,347	1,603	6.9%	R	0	0	15.6	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	100.0	100.0	100.0
Scotland	4,863	224	4.6%	R	1	224:1	100.0	100.0	100.0
Scott	38,903	4,380	11.3%	R	5	876:1	100.0	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	77.2	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	90.7	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	63	144:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	0	0	96.0	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	23	264:1	100.0	100.0	100.0

Demographics					Cardiology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles	
St. Louis Co.	1,001,876	52,150	5.2%	U	324	161:1	100.0	100.0	100.0	
St. Louis City	317,419	39,585	12.5%	U	144	275:1	100.0	100.0	100.0	
Ste. Genevieve	17,914	884	4.9%	R	4	221:1	100.0	100.0	100.0	
Stoddard	29,867	3,054	10.2%	R	0	0	78.3	100.0	100.0	
Stone	31,104	1,633	5.3%	R	0	0	82.1	100.0	100.0	
Sullivan	6,411	474	7.4%	R	1	474:1	100.0	100.0	100.0	
Taney	54,230	3,530	6.5%	R	20	177:1	99.5	100.0	100.0	
Texas	25,642	2,073	8.1%	R	0	0	16.0	100.0	100.0	
Vernon	21,001	1,672	8.0%	R	2	836:1	99.3	100.0	100.0	
Warren	33,253	1,574	4.7%	R	0	0	100.0	100.0	100.0	
Washington	25,077	2,632	10.5%	R	1	2632:1	100.0	100.0	100.0	
Wayne	13,452	1,785	13.3%	R	0	0	41.2	100.0	100.0	
Webster	36,888	2,495	6.8%	R	0	0	65.0	100.0	100.0	
Worth	2,073	127	6.1%	R	0	0	0.0	17.3	100.0	
Wright	18,291	2,195	12.0%	R	0	0	4.6	100.0	100.0	
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1,343</b>	<b>274:1</b>	<b>92.6</b>	<b>100.0</b>	<b>100.0</b>	

## FFS Network Adequacy – Physician Specialty Services (Neurology)

Demographics	Neurology								
	County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles
Adair	25,602	1,636	6.4%	R	11	149:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	97.3	100.0	100.0
Atchison	5,382	336	6.2%	R	0	0	0.0	0.0	100.0
Audrain	25,887	1,860	7.2%	R	4	465:1	88.8	100.0	100.0
Barry	35,662	3,686	10.3%	R	0	0	10.6	100.0	100.0
Barton	12,057	839	7.0%	R	1	839:1	100.0	100.0	100.0
Bates	16,584	1,059	6.4%	R	3	353:1	100.0	100.0	100.0
Benton	18,806	1,715	9.1%	R	1	1715:1	100.0	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	53.5	100.0	100.0
Boone	172,717	7,012	4.1%	B	46	152:1	100.0	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	4	1367:1	99.4	100.0	100.0
Butler	42,972	4,893	11.4%	R	1	4893:1	99.5	100.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	87.1	100.0	100.0
Callaway	44,750	2,288	5.1%	R	1	2288:1	100.0	100.0	100.0
Camden	44,021	2,110	4.8%	R	4	528:1	98.6	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	23	187:1	99.5	100.0	100.0
Carroll	9,043	592	6.5%	R	1	592:1	100.0	100.0	100.0
Carter	6,258	830	13.3%	R	0	0	34.5	100.0	100.0
Cass	100,889	3,613	3.6%	B	9	401:1	100.0	100.0	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	100.0	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	44.7	100.0	100.0
Christian	82,101	3,522	4.3%	B	2	1761:1	100.0	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	23.8	100.0
Clay	233,682	7,795	3.3%	B	16	487:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	100.0	100.0	100.0
Cole	76,557	3,578	4.7%	B	6	596:1	100.0	100.0	100.0
Cooper	17,585	1,064	6.1%	R	0	0	81.6	100.0	100.0
Crawford	24,650	1,910	7.7%	R	0	0	69.5	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	20.7	100.0	100.0
Dallas	16,389	1,339	8.2%	R	0	0	72.2	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	100.0	100.0	100.0
DeKalb	12,692	841	6.6%	R	2	421:1	100.0	100.0	100.0
Dent	15,655	1,527	9.8%	R	0	0	7.7	100.0	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	1	4384:1	85.1	100.0	100.0
Franklin	102,084	5,445	5.3%	B	1	5445:1	79.7	100.0	100.0
Gasconade	14,866	950	6.4%	R	0	0	42.7	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	100.0	100.0	100.0
Greene	285,865	17,632	6.2%	U	34	519:1	100.0	100.0	100.0
Grundy	10,197	747	7.3%	R	0	0	95.0	100.0	100.0
Harrison	8,639	654	7.6%	R	2	327:1	99.5	100.0	100.0
Henry	22,028	1,945	8.8%	R	5	389:1	100.0	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	92.8	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	3.4	85.2	100.0
Howard	10,159	721	7.1%	R	0	0	60.1	100.0	100.0
Howell	40,173	4,233	10.5%	R	5	847:1	100.0	100.0	100.0
Iron	10,267	1,297	12.6%	R	0	0	60.3	100.0	100.0
Jackson	683,191	39,120	5.7%	U	100	391:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	2	3381:1	100.0	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	4	2237:1	100.0	100.0	100.0

Demographics					Neurology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles	
Johnson	54,362	1,813	3.3%	R	7	259:1	100.0	100.0	100.0	
Knox	4,000	239	6.0%	R	0	0	75.3	100.0	100.0	
Laclede	35,439	2,947	8.3%	R	0	0	64.3	100.0	100.0	
Lafayette	32,688	1,758	5.4%	R	6	293:1	100.0	100.0	100.0	
Lawrence	38,023	1,446	3.8%	R	0	0	38.8	100.0	100.0	
Lewis	10,138	605	6.0%	R	0	0	3.0	100.0	100.0	
Lincoln	54,249	2,774	5.1%	R	1	2774:1	100.0	100.0	100.0	
Linn	12,311	777	6.3%	R	0	0	16.6	100.0	100.0	
Livingston	15,053	995	6.6%	R	1	995:1	100.0	100.0	100.0	
Macon	15,479	1,019	6.6%	R	1	1019:1	99.8	100.0	100.0	
Madison	12,368	1,246	10.1%	R	0	0	65.9	100.0	100.0	
Maries	9,013	428	4.7%	R	0	0	77.3	100.0	100.0	
Marion	28,920	2,595	9.0%	R	2	1298:1	99.3	100.0	100.0	
McDonald	22,800	1,668	7.3%	R	0	0	66.5	100.0	100.0	
Mercer	3,719	216	5.8%	R	0	0	8.3	100.0	100.0	
Miller	25,141	1,851	7.4%	R	2	926:1	98.4	100.0	100.0	
Mississippi	14,232	1,717	12.1%	R	0	0	100.0	100.0	100.0	
Moniteau	15,856	680	4.3%	R	0	0	67.5	100.0	100.0	
Monroe	8,707	331	3.8%	R	0	0	67.1	100.0	100.0	
Montgomery	11,841	852	7.2%	R	0	0	65.0	100.0	100.0	
Morgan	20,240	1,814	9.0%	R	2	907:1	100.0	100.0	100.0	
New Madrid	18,272	2,080	11.4%	R	0	0	63.8	100.0	100.0	
Newton	58,598	4,852	8.3%	B	19	255:1	100.0	100.0	100.0	
Nodaway	23,081	884	3.8%	R	0	0	11.1	98.3	100.0	
Oregon	10,911	1,260	11.5%	R	0	0	9.8	100.0	100.0	
Osage	13,703	426	3.1%	R	0	0	70.2	100.0	100.0	
Ozark	9,492	796	8.4%	R	0	0	15.1	100.0	100.0	
Pemiscot	17,650	2,551	14.5%	R	0	0	96.6	100.0	100.0	
Perry	19,202	1,094	5.7%	R	0	0	57.8	100.0	100.0	
Pettis	42,225	3,067	7.3%	R	2	1534:1	100.0	100.0	100.0	
Phelps	44,847	3,019	6.7%	R	6	503:1	99.1	100.0	100.0	
Pike	18,541	1,114	6.0%	R	0	0	14.5	100.0	100.0	
Platte	94,788	2,175	2.3%	B	0	0	95.8	100.0	100.0	
Polk	31,054	2,299	7.4%	R	1	2299:1	100.0	100.0	100.0	
Pulaski	53,436	2,275	4.3%	R	1	2275:1	100.0	100.0	100.0	
Putnam	4,829	365	7.6%	R	0	0	15.6	98.9	100.0	
Ralls	10,255	650	6.3%	R	0	0	93.7	100.0	100.0	
Randolph	25,072	1,948	7.8%	R	1	1948:1	100.0	100.0	100.0	
Ray	22,949	1,044	4.5%	R	0	0	98.9	100.0	100.0	
Reynolds	6,565	621	9.5%	R	0	0	0.0	89.4	100.0	
Ripley	13,969	1,826	13.1%	R	0	0	19.4	100.0	100.0	
Saline	23,347	1,603	6.9%	R	1	1603:1	100.0	100.0	100.0	
Schuyler	4,370	296	6.8%	R	0	0	80.1	100.0	100.0	
Scotland	4,863	224	4.6%	R	0	0	0.0	100.0	100.0	
Scott	38,903	4,380	11.3%	R	8	548:1	100.0	100.0	100.0	
Shannon	8,329	882	10.6%	R	0	0	77.2	100.0	100.0	
Shelby	6,108	419	6.9%	R	0	0	48.7	100.0	100.0	
St. Charles	379,493	9,085	2.4%	U	25	363:1	100.0	100.0	100.0	
St. Clair	9,457	717	7.6%	R	0	0	79.9	100.0	100.0	
St. Francois	65,960	6,074	9.2%	B	2	3037:1	100.0	100.0	100.0	

Demographics					Neurology				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
St. Louis Co.	1,001,876	52,150	5.2%	U	116	450:1	100.0	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	177	224:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	1	884:1	100.0	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	0	0	56.0	100.0	100.0
Stone	31,104	1,633	5.3%	R	0	0	91.7	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	22.6	100.0	100.0
Taney	54,230	3,530	6.5%	R	9	392:1	99.4	100.0	100.0
Texas	25,642	2,073	8.1%	R	0	0	13.3	100.0	100.0
Vernon	21,001	1,672	8.0%	R	3	557:1	100.0	100.0	100.0
Warren	33,253	1,574	4.7%	R	1	1574:1	100.0	100.0	100.0
Washington	25,077	2,632	10.5%	R	0	0	57.1	100.0	100.0
Wayne	13,452	1,785	13.3%	R	0	0	41.2	100.0	100.0
Webster	36,888	2,495	6.8%	R	0	0	62.4	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	85.0	100.0	100.0
Wright	18,291	2,195	12.0%	R	0	0	0.0	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>687</b>	<b>535:1</b>	<b>90.2</b>	<b>99.8</b>	<b>100.0</b>

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## FFS Network Adequacy – Physician Specialty Services (Ophthalmology)

Demographics	Ophthalmology								
	County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles
Adair	25,602	1,636	6.4%	R	6	273:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	100.0	100.0	100.0
Atchison	5,382	336	6.2%	R	0	0	2.1	100.0	100.0
Audrain	25,887	1,860	7.2%	R	3	620:1	87.5	100.0	100.0
Barry	35,662	3,686	10.3%	R	1	3686:1	59.0	100.0	100.0
Barton	12,057	839	7.0%	R	0	0	61.9	100.0	100.0
Bates	16,584	1,059	6.4%	R	1	1059:1	100.0	100.0	100.0
Benton	18,806	1,715	9.1%	R	0	0	43.3	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	56.1	100.0	100.0
Boone	172,717	7,012	4.1%	B	43	163:1	100.0	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	7	781:1	99.4	100.0	100.0
Butler	42,972	4,893	11.4%	R	2	2447:1	99.5	100.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	1.6	100.0	100.0
Callaway	44,750	2,288	5.1%	R	1	2288:1	100.0	100.0	100.0
Camden	44,021	2,110	4.8%	R	4	528:1	98.6	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	17	253:1	99.4	100.0	100.0
Carroll	9,043	592	6.5%	R	0	0	14.2	100.0	100.0
Carter	6,258	830	13.3%	R	0	0	50.8	100.0	100.0
Cass	100,889	3,613	3.6%	B	9	401:1	100.0	100.0	100.0
Cedar	13,952	1,380	9.9%	R	0	0	77.1	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	52.1	100.0	100.0
Christian	82,101	3,522	4.3%	B	1	3522:1	100.0	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	23.8	100.0
Clay	233,682	7,795	3.3%	B	8	974:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	85.3	100.0	100.0
Cole	76,557	3,578	4.7%	B	7	511:1	100.0	100.0	100.0
Cooper	17,585	1,064	6.1%	R	0	0	80.2	100.0	100.0
Crawford	24,650	1,910	7.7%	R	0	0	31.6	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	12.7	100.0	100.0
Dallas	16,389	1,339	8.2%	R	0	0	79.5	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	20.8	100.0	100.0
DeKalb	12,692	841	6.6%	R	0	0	22.1	100.0	100.0
Dent	15,655	1,527	9.8%	R	0	0	8.0	100.0	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	2	2192:1	98.4	100.0	100.0
Franklin	102,084	5,445	5.3%	B	5	1089:1	79.7	100.0	100.0
Gasconade	14,866	950	6.4%	R	0	0	7.2	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	100.0	100.0	100.0
Greene	285,865	17,632	6.2%	U	30	588:1	100.0	100.0	100.0
Grundy	10,197	747	7.3%	R	0	0	9.9	100.0	100.0
Harrison	8,639	654	7.6%	R	1	654:1	100.0	100.0	100.0
Henry	22,028	1,945	8.8%	R	2	973:1	100.0	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	42.3	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	31.2	100.0	100.0
Howard	10,159	721	7.1%	R	0	0	18.2	100.0	100.0
Howell	40,173	4,233	10.5%	R	4	1058:1	100.0	100.0	100.0
Iron	10,267	1,297	12.6%	R	0	0	67.2	100.0	100.0
Jackson	683,191	39,120	5.7%	U	67	584:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	3	2254:1	100.0	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	2	4474:1	100.0	100.0	100.0

Demographics				Ophthalmology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
Johnson	54,362	1,813	3.3%	R	7	259:1	100.0	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	72.0	100.0	100.0
Laclede	35,439	2,947	8.3%	R	5	589:1	99.2	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	1	1758:1	100.0	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	0	0	97.4	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	3.5	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	4	694:1	100.0	100.0	100.0
Linn	12,311	777	6.3%	R	1	777:1	99.9	100.0	100.0
Livingston	15,053	995	6.6%	R	0	0	17.1	100.0	100.0
Macon	15,479	1,019	6.6%	R	0	0	32.3	100.0	100.0
Madison	12,368	1,246	10.1%	R	0	0	65.9	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	63.6	100.0	100.0
Marion	28,920	2,595	9.0%	R	15	173:1	100.0	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	12.8	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	8.3	100.0	100.0
Miller	25,141	1,851	7.4%	R	0	0	96.5	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	100.0	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	63.2	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	33.5	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	40.4	100.0	100.0
Morgan	20,240	1,814	9.0%	R	0	0	52.0	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	71.9	100.0	100.0
Newton	58,598	4,852	8.3%	B	10	485:1	97.2	100.0	100.0
Nodaway	23,081	884	3.8%	R	1	884:1	99.4	100.0	100.0
Oregon	10,911	1,260	11.5%	R	0	0	9.8	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	70.2	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	9.7	100.0	100.0
Pemiscot	17,650	2,551	14.5%	R	0	0	96.6	100.0	100.0
Perry	19,202	1,094	5.7%	R	0	0	4.8	100.0	100.0
Pettis	42,225	3,067	7.3%	R	5	613:1	100.0	100.0	100.0
Phelps	44,847	3,019	6.7%	R	4	755:1	99.3	100.0	100.0
Pike	18,541	1,114	6.0%	R	0	0	11.4	100.0	100.0
Platte	94,788	2,175	2.3%	B	12	181:1	99.6	100.0	100.0
Polk	31,054	2,299	7.4%	R	1	2299:1	100.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	0	0	61.5	100.0	100.0
Putnam	4,829	365	7.6%	R	0	0	15.6	100.0	100.0
Ralls	10,255	650	6.3%	R	0	0	100.0	100.0	100.0
Randolph	25,072	1,948	7.8%	R	0	0	3.3	100.0	100.0
Ray	22,949	1,044	4.5%	R	0	0	91.5	100.0	100.0
Reynolds	6,565	621	9.5%	R	0	0	0.0	89.2	100.0
Ripley	13,969	1,826	13.1%	R	1	1826:1	100.0	100.0	100.0
Saline	23,347	1,603	6.9%	R	0	0	10.4	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	80.1	100.0	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	100.0	100.0
Scott	38,903	4,380	11.3%	R	1	4380:1	100.0	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	77.2	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	9.3	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	21	433:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	0	0	46.6	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	14	434:1	100.0	100.0	100.0

Demographics					Ophthalmology				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
St. Louis Co.	1,001,876	52,150	5.2%	U	144	362:1	100.0	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	116	341:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	0	0	45.7	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	1	3054:1	100.0	100.0	100.0
Stone	31,104	1,633	5.3%	R	0	0	100.0	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	26.2	100.0	100.0
Taney	54,230	3,530	6.5%	R	3	1177:1	99.1	100.0	100.0
Texas	25,642	2,073	8.1%	R	0	0	13.3	100.0	100.0
Vernon	21,001	1,672	8.0%	R	1	1672:1	99.3	100.0	100.0
Warren	33,253	1,574	4.7%	R	0	0	98.7	100.0	100.0
Washington	25,077	2,632	10.5%	R	0	0	39.2	100.0	100.0
Wayne	13,452	1,785	13.3%	R	0	0	41.2	100.0	100.0
Webster	36,888	2,495	6.8%	R	3	832:1	98.1	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	100.0	100.0	100.0
Wright	18,291	2,195	12.0%	R	0	0	9.3	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>598</b>	<b>615:1</b>	<b>88.7</b>	<b>99.9</b>	<b>100.0</b>

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## FFS Network Adequacy – Physician Specialty Services (Urology/Nephrology)

Demographics				Urology/Nephrology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
Adair	25,602	1,636	6.4%	R	6	273:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	100.0	100.0	100.0
Atchison	5,382	336	6.2%	R	0	0	2.1	100.0	100.0
Audrain	25,887	1,860	7.2%	R	2	930:1	88.8	100.0	100.0
Barry	35,662	3,686	10.3%	R	1	3686:1	88.3	100.0	100.0
Barton	12,057	839	7.0%	R	0	0	23.1	100.0	100.0
Bates	16,584	1,059	6.4%	R	0	0	92.4	100.0	100.0
Benton	18,806	1,715	9.1%	R	0	0	61.2	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	75.4	100.0	100.0
Boone	172,717	7,012	4.1%	B	37	190:1	100.0	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	10	547:1	99.6	100.0	100.0
Butler	42,972	4,893	11.4%	R	8	612:1	100.0	100.0	100.0
Caldwell	9,034	513	5.7%	R	2	257:1	100.0	100.0	100.0
Callaway	44,750	2,288	5.1%	R	0	0	99.1	100.0	100.0
Camden	44,021	2,110	4.8%	R	9	234:1	98.6	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	10	431:1	100.0	100.0	100.0
Carroll	9,043	592	6.5%	R	3	197:1	100.0	100.0	100.0
Carter	6,258	830	13.3%	R	0	0	50.8	100.0	100.0
Cass	100,889	3,613	3.6%	B	3	1204:1	100.0	100.0	100.0
Cedar	13,952	1,380	9.9%	R	0	0	81.9	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	89.1	100.0	100.0
Christian	82,101	3,522	4.3%	B	1	3522:1	99.6	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	23.8	100.0
Clay	233,682	7,795	3.3%	B	18	433:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	100.0	100.0	100.0
Cole	76,557	3,578	4.7%	B	9	398:1	100.0	100.0	100.0
Cooper	17,585	1,064	6.1%	R	3	355:1	100.0	100.0	100.0
Crawford	24,650	1,910	7.7%	R	0	0	50.3	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	23.4	100.0	100.0
Dallas	16,389	1,339	8.2%	R	0	0	82.1	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	100.0	100.0	100.0
DeKalb	12,692	841	6.6%	R	3	280:1	100.0	100.0	100.0
Dent	15,655	1,527	9.8%	R	0	0	4.6	100.0	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	5	877:1	98.9	100.0	100.0
Franklin	102,084	5,445	5.3%	B	5	1089:1	96.9	100.0	100.0
Gasconade	14,866	950	6.4%	R	1	950:1	51.2	100.0	100.0
Gentry	6,826	436	6.4%	R	0	0	79.1	100.0	100.0
Greene	285,865	17,632	6.2%	U	37	477:1	100.0	100.0	100.0
Grundy	10,197	747	7.3%	R	3	249:1	100.0	100.0	100.0
Harrison	8,639	654	7.6%	R	1	654:1	99.5	100.0	100.0
Henry	22,028	1,945	8.8%	R	4	486:1	100.0	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	58.4	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	27.4	100.0	100.0
Howard	10,159	721	7.1%	R	0	0	98.5	100.0	100.0
Howell	40,173	4,233	10.5%	R	6	706:1	93.8	100.0	100.0
Iron	10,267	1,297	12.6%	R	2	649:1	91.3	100.0	100.0
Jackson	683,191	39,120	5.7%	U	122	321:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	26	260:1	100.0	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	20	447:1	100.0	100.0	100.0

Demographics				Urology/Nephrology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
Johnson	54,362	1,813	3.3%	R	9	201:1	100.0	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	72.0	100.0	100.0
Laclede	35,439	2,947	8.3%	R	1	2947:1	97.8	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	1	1758:1	100.0	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	0	0	100.0	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	3.0	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	3	925:1	100.0	100.0	100.0
Linn	12,311	777	6.3%	R	1	777:1	100.0	100.0	100.0
Livingston	15,053	995	6.6%	R	4	249:1	100.0	100.0	100.0
Macon	15,479	1,019	6.6%	R	1	1019:1	100.0	100.0	100.0
Madison	12,368	1,246	10.1%	R	1	1246:1	100.0	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	77.3	100.0	100.0
Marion	28,920	2,595	9.0%	R	1	2595:1	99.3	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	61.5	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	84.3	100.0	100.0
Miller	25,141	1,851	7.4%	R	4	463:1	100.0	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	100.0	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	100.0	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	86.4	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	95.0	100.0	100.0
Morgan	20,240	1,814	9.0%	R	4	454:1	100.0	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	71.6	100.0	100.0
Newton	58,598	4,852	8.3%	B	14	347:1	100.0	100.0	100.0
Nodaway	23,081	884	3.8%	R	3	295:1	99.4	100.0	100.0
Oregon	10,911	1,260	11.5%	R	0	0	9.8	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	95.5	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	24.2	100.0	100.0
Pemiscot	17,650	2,551	14.5%	R	0	0	96.6	100.0	100.0
Perry	19,202	1,094	5.7%	R	1	1094:1	100.0	100.0	100.0
Pettis	42,225	3,067	7.3%	R	4	767:1	100.0	100.0	100.0
Phelps	44,847	3,019	6.7%	R	4	755:1	99.5	100.0	100.0
Pike	18,541	1,114	6.0%	R	1	1114:1	99.7	100.0	100.0
Platte	94,788	2,175	2.3%	B	1	2175:1	99.1	100.0	100.0
Polk	31,054	2,299	7.4%	R	3	766:1	100.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	1	2275:1	100.0	100.0	100.0
Putnam	4,829	365	7.6%	R	2	183:1	100.0	100.0	100.0
Ralls	10,255	650	6.3%	R	0	0	93.7	100.0	100.0
Randolph	25,072	1,948	7.8%	R	9	216:1	100.0	100.0	100.0
Ray	22,949	1,044	4.5%	R	3	348:1	100.0	100.0	100.0
Reynolds	6,565	621	9.5%	R	0	0	11.1	100.0	100.0
Ripley	13,969	1,826	13.1%	R	0	0	19.5	100.0	100.0
Saline	23,347	1,603	6.9%	R	1	1603:1	88.0	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	81.8	100.0	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	100.0	100.0
Scott	38,903	4,380	11.3%	R	4	1095:1	100.0	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	0.0	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	48.7	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	25	363:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	1	717:1	55.5	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	13	467:1	100.0	100.0	100.0

Demographics					Urology/Nephrology				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
St. Louis Co.	1,001,876	52,150	5.2%	U	224	233:1	100.0	100.0	100.0
St. Louis City	317,419	39,585	12.5%	U	124	319:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	4	221:1	100.0	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	1	3054:1	100.0	100.0	100.0
Stone	31,104	1,633	5.3%	R	0	0	96.4	100.0	100.0
Sullivan	6,411	474	7.4%	R	1	474:1	100.0	100.0	100.0
Taney	54,230	3,530	6.5%	R	4	883:1	99.4	100.0	100.0
Texas	25,642	2,073	8.1%	R	0	0	2.6	100.0	100.0
Vernon	21,001	1,672	8.0%	R	3	557:1	100.0	100.0	100.0
Warren	33,253	1,574	4.7%	R	0	0	100.0	100.0	100.0
Washington	25,077	2,632	10.5%	R	3	877:1	98.9	100.0	100.0
Wayne	13,452	1,785	13.3%	R	0	0	45.8	100.0	100.0
Webster	36,888	2,495	6.8%	R	0	0	71.2	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	19.7	100.0	100.0
Wright	18,291	2,195	12.0%	R	0	0	4.6	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>841</b>	<b>0</b>	<b>93.6</b>	<b>99.9</b>	<b>100.0</b>

## FFS Network Adequacy – Physician Specialty Services (Radiology)

Demographics					Radiology				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
Adair	25,602	1,636	6.4%	R	16	102:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	99.0	100.0	100.0
Atchison	5,382	336	6.2%	R	7	48:1	100.0	100.0	100.0
Audrain	25,887	1,860	7.2%	R	8	233:1	88.8	100.0	100.0
Barry	35,662	3,686	10.3%	R	4	922:1	100.0	100.0	100.0
Barton	12,057	839	7.0%	R	5	168:1	100.0	100.0	100.0
Bates	16,584	1,059	6.4%	R	1	1059:1	100.0	100.0	100.0
Benton	18,806	1,715	9.1%	R	0	0	45.4	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	87.2	100.0	100.0
Boone	172,717	7,012	4.1%	B	95	74:1	100.0	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	17	322:1	99.6	100.0	100.0
Butler	42,972	4,893	11.4%	R	17	288:1	100.0	100.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	43.9	100.0	100.0
Callaway	44,750	2,288	5.1%	R	8	286:1	100.0	100.0	100.0
Camden	44,021	2,110	4.8%	R	44	48:1	98.6	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	76	57:1	100.0	100.0	100.0
Carroll	9,043	592	6.5%	R	1	592:1	100.0	100.0	100.0
Carter	6,258	830	13.3%	R	0	0	95.1	100.0	100.0
Cass	100,889	3,613	3.6%	B	24	151:1	100.0	100.0	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	100.0	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	47.1	100.0	100.0
Christian	82,101	3,522	4.3%	B	4	881:1	100.0	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	23.8	100.0
Clay	233,682	7,795	3.3%	B	46	169:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	100.0	100.0	100.0
Cole	76,557	3,578	4.7%	B	33	108:1	100.0	100.0	100.0
Cooper	17,585	1,064	6.1%	R	16	67:1	100.0	100.0	100.0
Crawford	24,650	1,910	7.7%	R	0	0	53.8	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	24.1	100.0	100.0
Dallas	16,389	1,339	8.2%	R	0	0	82.1	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	41.5	100.0	100.0
DeKalb	12,692	841	6.6%	R	0	0	26.8	100.0	100.0
Dent	15,655	1,527	9.8%	R	1	1527:1	100.0	100.0	100.0
Douglas	13,546	1,057	7.8%	R	0	0	21.7	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	4	1096:1	87.5	100.0	100.0
Franklin	102,084	5,445	5.3%	B	7	778:1	81.6	100.0	100.0
Gasconade	14,866	950	6.4%	R	0	0	8.7	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	100.0	100.0	100.0
Greene	285,865	17,632	6.2%	U	107	165:1	100.0	100.0	100.0
Grundy	10,197	747	7.3%	R	2	374:1	100.0	100.0	100.0
Harrison	8,639	654	7.6%	R	0	0	77.1	100.0	100.0
Henry	22,028	1,945	8.8%	R	18	108:1	100.0	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	70.3	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	70.5	100.0	100.0
Howard	10,159	721	7.1%	R	0	0	98.5	100.0	100.0
Howell	40,173	4,233	10.5%	R	49	86:1	100.0	100.0	100.0
Iron	10,267	1,297	12.6%	R	0	0	92.0	100.0	100.0
Jackson	683,191	39,120	5.7%	U	344	114:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	8	845:1	100.0	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	13	688:1	100.0	100.0	100.0

Demographics				Radiology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles
Johnson	54,362	1,813	3.3%	R	0	0	49.0	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	72.0	100.0	100.0
Laclede	35,439	2,947	8.3%	R	7	421:1	97.4	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	22	80:1	100.0	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	0	0	100.0	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	6.0	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	15	185:1	100.0	100.0	100.0
Linn	12,311	777	6.3%	R	0	0	27.8	100.0	100.0
Livingston	15,053	995	6.6%	R	2	498:1	100.0	100.0	100.0
Macon	15,479	1,019	6.6%	R	7	146:1	99.7	100.0	100.0
Madison	12,368	1,246	10.1%	R	1	1246:1	100.0	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	77.3	100.0	100.0
Marion	28,920	2,595	9.0%	R	51	51:1	99.8	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	67.0	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	75.9	100.0	100.0
Miller	25,141	1,851	7.4%	R	0	0	96.9	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	1	1717:1	100.0	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	99.1	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	86.4	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	42.1	100.0	100.0
Morgan	20,240	1,814	9.0%	R	0	0	51.0	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	93.9	100.0	100.0
Newton	58,598	4,852	8.3%	B	44	110:1	100.0	100.0	100.0
Nodaway	23,081	884	3.8%	R	0	0	23.4	100.0	100.0
Oregon	10,911	1,260	11.5%	R	0	0	9.8	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	70.2	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	15.1	100.0	100.0
Pemiscot	17,650	2,551	14.5%	R	1	2551:1	100.0	100.0	100.0
Perry	19,202	1,094	5.7%	R	1	1094:1	100.0	100.0	100.0
Pettis	42,225	3,067	7.3%	R	12	256:1	100.0	100.0	100.0
Phelps	44,847	3,019	6.7%	R	40	75:1	100.0	100.0	100.0
Pike	18,541	1,114	6.0%	R	1	1114:1	99.7	100.0	100.0
Platte	94,788	2,175	2.3%	B	15	145:1	99.6	100.0	100.0
Polk	31,054	2,299	7.4%	R	9	255:1	100.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	0	0	55.8	100.0	100.0
Putnam	4,829	365	7.6%	R	1	365:1	100.0	100.0	100.0
Ralls	10,255	650	6.3%	R	0	0	93.7	100.0	100.0
Randolph	25,072	1,948	7.8%	R	11	177:1	100.0	100.0	100.0
Ray	22,949	1,044	4.5%	R	1	1044:1	100.0	100.0	100.0
Reynolds	6,565	621	9.5%	R	20	31:1	100.0	100.0	100.0
Ripley	13,969	1,826	13.1%	R	0	0	22.0	100.0	100.0
Saline	23,347	1,603	6.9%	R	6	267:1	100.0	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	81.8	100.0	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	100.0	100.0
Scott	38,903	4,380	11.3%	R	30	146:1	100.0	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	77.2	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	80.0	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	241	38:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	7	102:1	100.0	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	7	868:1	100.0	100.0	100.0

Demographics					Radiology					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 25 miles	Distance 1 provider within 50 miles	Distance 1 provider within 100 miles	
St. Louis Co.	1,001,876	52,150	5.2%	U	606	86:1	100.0	100.0	100.0	
St. Louis City	317,419	39,585	12.5%	U	296	134:1	100.0	100.0	100.0	
Ste. Genevieve	17,914	884	4.9%	R	2	442:1	100.0	100.0	100.0	
Stoddard	29,867	3,054	10.2%	R	0	0	64.6	100.0	100.0	
Stone	31,104	1,633	5.3%	R	0	0	100.0	100.0	100.0	
Sullivan	6,411	474	7.4%	R	1	474:1	100.0	100.0	100.0	
Taney	54,230	3,530	6.5%	R	15	235:1	99.6	100.0	100.0	
Texas	25,642	2,073	8.1%	R	15	138:1	98.6	100.0	100.0	
Vernon	21,001	1,672	8.0%	R	4	418:1	100.0	100.0	100.0	
Warren	33,253	1,574	4.7%	R	0	0	98.7	100.0	100.0	
Washington	25,077	2,632	10.5%	R	0	0	62.2	100.0	100.0	
Wayne	13,452	1,785	13.3%	R	0	0	95.1	100.0	100.0	
Webster	36,888	2,495	6.8%	R	0	0	66.0	100.0	100.0	
Worth	2,073	127	6.1%	R	0	0	85.0	100.0	100.0	
Wright	18,291	2,195	12.0%	R	0	0	18.8	100.0	100.0	
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>2470</b>	<b>149:1</b>	<b>93.6</b>	<b>99.9</b>	<b>100.0</b>	

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## FFS Network Adequacy – Behavioral Health Services (LCSW - LMSW)

Demographics				County Type Urban Basic Rural	LCSW - LMSW		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Providers	Ratio			
Adair	25,602	1,636	6.4%	R	8	205:1	92.1	100.0	100.0
Andrew	17,379	1,299	7.5%	R	7	186:1	95.2	100.0	100.0
Atchison	5,382	336	6.2%	R	1	336:1	82.7	100.0	100.0
Audrain	25,887	1,860	7.2%	R	11	169:1	82.1	100.0	100.0
Barry	35,662	3,686	10.3%	R	10	369:1	81.2	100.0	100.0
Barton	12,057	839	7.0%	R	10	84:1	81.5	95.4	100.0
Bates	16,584	1,059	6.4%	R	2	530:1	54.8	100.0	100.0
Benton	18,806	1,715	9.1%	R	7	245:1	77.1	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	3	338:1	70.2	96.4	100.0
Boone	172,717	7,012	4.1%	B	74	95:1	100.0	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	42	130:1	97.8	99.5	100.0
Butler	42,972	4,893	11.4%	R	18	272:1	91.0	99.5	100.0
Caldwell	9,034	513	5.7%	R	0	0	3.7	67.6	100.0
Callaway	44,750	2,288	5.1%	R	17	135:1	96.8	100.0	100.0
Camden	44,021	2,110	4.8%	R	3	703:1	82.6	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	28	154:1	93.8	100.0	100.0
Carroll	9,043	592	6.5%	R	1	592:1	1.9	92.7	100.0
Carter	6,258	830	13.3%	R	3	277:1	52.2	100.0	100.0
Cass	100,889	3,613	3.6%	B	15	241:1	81.6	97.8	100.0
Cedar	13,952	1,380	9.9%	R	5	276:1	90.4	100.0	100.0
Chariton	7,694	645	8.4%	R	3	215:1	51.9	100.0	100.0
Christian	82,101	3,522	4.3%	B	5	704:1	91.7	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	23.8	100.0
Clay	233,682	7,795	3.3%	B	68	115:1	99.7	100.0	100.0
Clinton	20,299	558	2.7%	R	2	279:1	59.7	100.0	100.0
Cole	76,557	3,578	4.7%	B	32	112:1	92.2	100.0	100.0
Cooper	17,585	1,064	6.1%	R	5	213:1	71.9	100.0	100.0
Crawford	24,650	1,910	7.7%	R	4	478:1	86.8	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	22.6	100.0	100.0
Dallas	16,389	1,339	8.2%	R	4	335:1	88.9	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	0.0	54.8	100.0
DeKalb	12,692	841	6.6%	R	4	210:1	74.3	99.9	100.0
Dent	15,655	1,527	9.8%	R	0	0	5.4	28.5	100.0
Douglas	13,546	1,057	7.8%	R	4	264:1	88.6	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	15	292:1	65.2	95.3	100.0
Franklin	102,084	5,445	5.3%	B	14	389:1	83.8	100.0	100.0
Gasconade	14,866	950	6.4%	R	1	950:1	33.4	97.4	100.0
Gentry	6,826	436	6.4%	R	3	145:1	74.8	100.0	100.0
Greene	285,865	17,632	6.2%	U	132	134:1	98.3	100.0	100.0
Grundy	10,197	747	7.3%	R	7	107:1	86.5	100.0	100.0
Harrison	8,639	654	7.6%	R	4	164:1	75.5	97.9	100.0
Henry	22,028	1,945	8.8%	R	22	88:1	82.2	99.9	100.0
Hickory	9,219	707	7.7%	R	2	354:1	82.2	100.0	100.0
Holt	4,516	237	5.2%	R	5	47:1	80.2	100.0	100.0
Howard	10,159	721	7.1%	R	2	361:1	92.2	100.0	100.0
Howell	40,173	4,233	10.5%	R	15	282:1	92.0	100.0	100.0
Iron	10,267	1,297	12.6%	R	6	216:1	85.5	100.0	100.0
Jackson	683,191	39,120	5.7%	U	371	105:1	99.4	100.0	100.0
Jasper	117,543	6,762	5.8%	B	35	193:1	99.1	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	40	224:1	96.8	100.0	100.0
Johnson	54,362	1,813	3.3%	R	6	302:1	64.8	100.0	100.0
Knox	4,000	239	6.0%	R	1	239:1	72.0	95.4	100.0

Demographics				County Type Urban Basic Rural	LCSW - LMSW		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Providers	Ratio			
Laclede	35,439	2,947	8.3%	R	5	589:1	83.9	99.2	100.0
Lafayette	32,688	1,758	5.4%	R	12	147:1	72.8	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	4	362:1	95.1	100.0	100.0
Lewis	10,138	605	6.0%	R	1	605:1	63.6	98.7	100.0
Lincoln	54,249	2,774	5.1%	R	5	555:1	82.3	99.7	100.0
Linn	12,311	777	6.3%	R	1	777:1	49.5	97.9	100.0
Livingston	15,053	995	6.6%	R	0	0	0.0	18.6	100.0
Macon	15,479	1,019	6.6%	R	1	1019:1	63.8	100.0	100.0
Madison	12,368	1,246	10.1%	R	0	0	0.0	71.2	100.0
Marion	9,013	428	4.7%	R	1	428:1	58.6	92.3	100.0
Marion	28,920	2,595	9.0%	R	20	130:1	99.8	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	0.0	22.5	100.0
Mercer	3,719	216	5.8%	R	1	216:1	80.6	100.0	100.0
Miller	25,141	1,851	7.4%	R	1	1851:1	71.3	96.4	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	8.3	94.2	100.0
Moniteau	15,856	680	4.3%	R	2	340:1	63.8	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	0.0	48.9	100.0
Montgomery	11,841	852	7.2%	R	0	0	29.7	95.8	100.0
Morgan	20,240	1,814	9.0%	R	1	1814:1	52.5	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	4	520:1	78.5	100.0	100.0
Newton	58,598	4,852	8.3%	B	28	173:1	62.5	99.5	100.0
Nodaway	23,081	884	3.8%	R	6	147:1	72.6	99.0	100.0
Oregon	10,911	1,260	11.5%	R	2	630:1	43.8	100.0	100.0
Osage	13,703	426	3.1%	R	2	213:1	82.4	100.0	100.0
Ozark	9,492	796	8.4%	R	2	398:1	48.9	97.6	100.0
Pemiscot	17,650	2,551	14.5%	R	1	2551:1	65.0	100.0	100.0
Perry	19,202	1,094	5.7%	R	5	219:1	82.6	99.4	100.0
Pettis	42,225	3,067	7.3%	R	6	511:1	89.8	100.0	100.0
Phelps	44,847	3,019	6.7%	R	17	178:1	92.6	100.0	100.0
Pike	18,541	1,114	6.0%	R	1	1114:1	36.8	96.5	100.0
Platte	94,788	2,175	2.3%	B	6	363:1	76.9	96.9	100.0
Polk	31,054	2,299	7.4%	R	15	153:1	92.2	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	15	152:1	67.0	100.0	100.0
Putnam	4,829	365	7.6%	R	0	0	0.0	4.9	100.0
Ralls	10,255	650	6.3%	R	0	0	26.2	89.4	100.0
Randolph	25,072	1,948	7.8%	R	8	244:1	94.3	100.0	100.0
Ray	22,949	1,044	4.5%	R	3	348:1	82.7	100.0	100.0
Reynolds	6,565	621	9.5%	R	15	41:1	82.4	100.0	100.0
Ripley	13,969	1,826	13.1%	R	7	261:1	96.8	99.7	100.0
Saline	23,347	1,603	6.9%	R	17	94:1	94.6	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	0.0	54.4	100.0
Scotland	4,863	224	4.6%	R	2	112:1	76.8	100.0	100.0
Scott	38,903	4,380	11.3%	R	17	258:1	79.8	100.0	100.0
Shannon	8,329	882	10.6%	R	2	441:1	20.1	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	0.0	38.4	100.0
St. Charles	379,493	9,085	2.4%	U	48	189:1	99.1	100.0	100.0
St. Clair	9,457	717	7.6%	R	3	239:1	69.0	88.7	100.0
St. Francois	65,960	6,074	9.2%	B	45	135:1	97.9	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	335	156:1	100.0	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	113	350:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	1	884:1	61.4	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	7	436:1	78.5	100.0	100.0

Demographics					LCSW - LMSW				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
Stone	31,104	1,633	5.3%	R	3	544:1	71.0	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	0.0	23.6	100.0
Taney	54,230	3,530	6.5%	R	2	1765:1	82.9	99.4	100.0
Texas	25,642	2,073	8.1%	R	2	1037:1	45.7	99.6	100.0
Vernon	21,001	1,672	8.0%	R	22	76:1	80.1	99.0	100.0
Warren	33,253	1,574	4.7%	R	6	262:1	94.0	100.0	100.0
Washington	25,077	2,632	10.5%	R	2	1316:1	71.4	100.0	100.0
Wayne	13,452	1,785	13.3%	R	5	357:1	78.8	100.0	100.0
Webster	36,888	2,495	6.8%	R	12	208:1	85.4	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	0.0	72.4	100.0
Wright	18,291	2,195	12.0%	R	3	732:1	69.8	97.7	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1,922</b>	<b>191:1</b>	<b>87.5</b>	<b>98.2</b>	<b>100.0</b>

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## FFS Network Adequacy – Behavioral Health Services (Psychology)

Demographics				County Type Urban Basic Rural	Psychology		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Providers	Ratio			
Adair	25,602	1,636	6.4%	R	2	818:1	91.4	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	82.4	98.0	100.0
Atchison	5,382	336	6.2%	R	0	0	0.0	0.0	16.4
Audrain	25,887	1,860	7.2%	R	4	465:1	59.8	84.0	100.0
Barry	35,662	3,686	10.3%	R	15	246:1	79.8	98.1	100.0
Barton	12,057	839	7.0%	R	3	280:1	66.9	95.4	100.0
Bates	16,584	1,059	6.4%	R	4	265:1	54.8	100.0	100.0
Benton	18,806	1,715	9.1%	R	3	572:1	67.8	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	2.4	88.2	100.0
Boone	172,717	7,012	4.1%	B	51	137:1	91.1	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	14	391:1	97.0	99.4	100.0
Butler	42,972	4,893	11.4%	R	4	1223:1	86.0	99.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	0.0	8.0	80.1
Callaway	44,750	2,288	5.1%	R	1	2288:1	75.1	99.9	100.0
Camden	44,021	2,110	4.8%	R	10	211:1	82.1	99.3	100.0
Cape Girardeau	78,043	4,307	5.5%	B	11	392:1	93.7	100.0	100.0
Carroll	9,043	592	6.5%	R	0	0	0.0	1.9	85.8
Carter	6,258	830	13.3%	R	0	0	0.0	84.0	95.1
Cass	100,889	3,613	3.6%	B	10	361:1	81.0	97.8	100.0
Cedar	13,952	1,380	9.9%	R	4	345:1	89.7	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	0.0	0.0	21.6
Christian	82,101	3,522	4.3%	B	15	235:1	92.7	99.9	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	0.0	0.0
Clay	233,682	7,795	3.3%	B	21	371:1	98.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	10.6	88.2	100.0
Cole	76,557	3,578	4.7%	B	14	256:1	89.0	98.8	100.0
Cooper	17,585	1,064	6.1%	R	1	1064:1	62.6	98.3	100.0
Crawford	24,650	1,910	7.7%	R	0	0	2.9	65.0	100.0
Dade	7,628	552	7.2%	R	4	138:1	86.6	100.0	100.0
Dallas	16,389	1,339	8.2%	R	0	0	0.0	78.0	100.0
Daviess	8,297	451	5.4%	R	0	0	2.9	31.5	92.2
DeKalb	12,692	841	6.6%	R	0	0	0.0	6.9	88.8
Dent	15,655	1,527	9.8%	R	2	764:1	82.8	95.6	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	24.8	100.0
Dunklin	31,344	4,384	14.0%	R	0	0	0.0	0.0	3.2
Franklin	102,084	5,445	5.3%	B	6	908:1	48.2	81.1	100.0
Gasconade	14,866	950	6.4%	R	0	0	0.0	16.3	97.1
Gentry	6,826	436	6.4%	R	1	436:1	53.2	81.4	100.0
Greene	285,865	17,632	6.2%	U	209	84:1	98.7	100.0	100.0
Grundy	10,197	747	7.3%	R	1	747:1	86.5	99.6	100.0
Harrison	8,639	654	7.6%	R	0	0	8.7	76.8	93.4
Henry	22,028	1,945	8.8%	R	37	53:1	80.4	99.9	100.0
Hickory	9,219	707	7.7%	R	0	0	0.0	49.2	100.0
Holt	4,516	237	5.2%	R	0	0	0.0	11.4	81.0
Howard	10,159	721	7.1%	R	0	0	17.6	63.2	100.0
Howell	40,173	4,233	10.5%	R	1	4233:1	51.5	81.5	100.0
Iron	10,267	1,297	12.6%	R	0	0	0.0	31.8	100.0
Jackson	683,191	39,120	5.7%	U	163	240:1	99.6	100.0	100.0
Jasper	117,543	6,762	5.8%	B	31	218:1	93.8	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	5	1790:1	81.8	100.0	100.0
Johnson	54,362	1,813	3.3%	R	3	604:1	63.5	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	0.0	16.7	78.2

Demographics				County Type Urban Basic Rural	Psychology		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Providers	Ratio			
Laclede	35,439	2,947	8.3%	R	6	491:1	88.1	98.5	100.0
Lafayette	32,688	1,758	5.4%	R	2	879:1	33.6	88.1	100.0
Lawrence	38,023	1,446	3.8%	R	1	1446:1	90.7	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	0.0	0.0	40.7
Lincoln	54,249	2,774	5.1%	R	4	694:1	65.3	90.6	100.0
Linn	12,311	777	6.3%	R	0	0	0.0	13.0	87.0
Livingston	15,053	995	6.6%	R	2	498:1	82.1	100.0	100.0
Macon	15,479	1,019	6.6%	R	0	0	0.0	16.2	33.5
Madison	12,368	1,246	10.1%	R	0	0	0.0	23.0	94.5
Maries	9,013	428	4.7%	R	0	0	2.3	26.6	100.0
Marion	28,920	2,595	9.0%	R	3	865:1	95.2	97.6	100.0
McDonald	22,800	1,668	7.3%	R	1	1668:1	61.2	97.5	100.0
Mercer	3,719	216	5.8%	R	0	0	0.0	0.0	84.3
Miller	25,141	1,851	7.4%	R	3	617:1	39.2	96.1	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	5.9	87.4	100.0
Moniteau	15,856	680	4.3%	R	0	0	0.0	91.6	100.0
Monroe	8,707	331	3.8%	R	0	0	0.0	16.6	68.3
Montgomery	11,841	852	7.2%	R	0	0	0.0	25.5	98.9
Morgan	20,240	1,814	9.0%	R	3	605:1	66.1	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	2.3	16.6	60.5
Newton	58,598	4,852	8.3%	B	34	143:1	87.4	100.0	100.0
Nodaway	23,081	884	3.8%	R	2	442:1	65.3	97.3	100.0
Oregon	10,911	1,260	11.5%	R	0	0	0.0	3.9	89.0
Osage	13,703	426	3.1%	R	0	0	0.0	20.2	100.0
Ozark	9,492	796	8.4%	R	0	0	0.0	4.8	48.2
Pemiscot	17,650	2,551	14.5%	R	0	0	0.0	0.0	0.0
Perry	19,202	1,094	5.7%	R	0	0	0.0	4.4	74.6
Pettis	42,225	3,067	7.3%	R	5	613:1	90.2	100.0	100.0
Phelps	44,847	3,019	6.7%	R	5	604:1	93.3	100.0	100.0
Pike	18,541	1,114	6.0%	R	0	0	0.0	3.0	32.9
Platte	94,788	2,175	2.3%	B	9	242:1	88.2	99.1	100.0
Polk	31,054	2,299	7.4%	R	18	128:1	71.7	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	5	455:1	72.4	100.0	100.0
Putnam	4,829	365	7.6%	R	0	0	0.0	4.9	99.5
Ralls	10,255	650	6.3%	R	0	0	14.6	59.8	100.0
Randolph	25,072	1,948	7.8%	R	0	0	0.0	0.9	6.9
Ray	22,949	1,044	4.5%	R	0	0	1.1	81.0	100.0
Reynolds	6,565	621	9.5%	R	0	0	0.0	36.4	77.8
Ripley	13,969	1,826	13.1%	R	0	0	10.1	25.9	96.8
Saline	23,347	1,603	6.9%	R	2	802:1	70.9	98.5	100.0
Schuyler	4,370	296	6.8%	R	0	0	0.0	36.1	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	0.0	0.0
Scott	38,903	4,380	11.3%	R	2	2190:1	75.0	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	0.0	0.0	0.0
Shelby	6,108	419	6.9%	R	0	0	0.0	0.0	15.0
St. Charles	379,493	9,085	2.4%	U	23	395:1	98.1	100.0	100.0
St. Clair	9,457	717	7.6%	R	0	0	0.0	58.0	100.0
St. Francois	65,960	6,074	9.2%	B	1	6074:1	53.1	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	111	470:1	99.8	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	103	384:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	0	0	4.5	35.0	85.6
Stoddard	29,867	3,054	10.2%	R	1	3054:1	13.0	42.4	100.0

Demographics					Psychology				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
Stone	31,104	1,633	5.3%	R	2	817:1	73.1	98.8	100.0
Sullivan	6,411	474	7.4%	R	1	474:1	53.0	96.0	100.0
Taney	54,230	3,530	6.5%	R	17	208:1	76.4	97.6	99.6
Texas	25,642	2,073	8.1%	R	0	0	15.6	43.6	90.4
Vernon	21,001	1,672	8.0%	R	21	80:1	82.2	99.0	100.0
Warren	33,253	1,574	4.7%	R	1	1574:1	93.8	100.0	100.0
Washington	25,077	2,632	10.5%	R	1	2632:1	20.2	94.9	100.0
Wayne	13,452	1,785	13.3%	R	1	1785:1	55.0	96.1	100.0
Webster	36,888	2,495	6.8%	R	7	356:1	92.2	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	2.4	72.4	100.0
Wright	18,291	2,195	12.0%	R	10	220:1	83.6	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1,057</b>	<b>348:1</b>	<b>76.7</b>	<b>89.1</b>	<b>95.6</b>

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## FFS Network Adequacy – Behavioral Health Services (LPC - PLPC)

Demographics				County Type Urban Basic Rural	LPC - PLPC		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Providers	Ratio			
Adair	25,602	1,636	6.4%	R	13	126:1	93.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	2	650:1	87.1	99.3	100.0
Atchison	5,382	336	6.2%	R	3	112:1	91.4	100.0	100.0
Audrain	25,887	1,860	7.2%	R	11	169:1	64.2	98.8	100.0
Barry	35,662	3,686	10.3%	R	27	137:1	80.4	99.5	100.0
Barton	12,057	839	7.0%	R	6	140:1	66.9	98.5	100.0
Bates	16,584	1,059	6.4%	R	5	212:1	72.6	100.0	100.0
Benton	18,806	1,715	9.1%	R	4	429:1	65.3	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	3.6	27.0	100.0
Boone	172,717	7,012	4.1%	B	69	102:1	93.1	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	32	171:1	98.6	99.6	100.0
Butler	42,972	4,893	11.4%	R	15	326:1	91.4	99.5	100.0
Caldwell	9,034	513	5.7%	R	0	0	0.0	14.6	100.0
Callaway	44,750	2,288	5.1%	R	10	229:1	92.8	100.0	100.0
Camden	44,021	2,110	4.8%	R	22	96:1	90.9	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	74	58:1	92.1	100.0	100.0
Carroll	9,043	592	6.5%	R	1	592:1	72.5	95.4	100.0
Carter	6,258	830	13.3%	R	3	277:1	85.1	100.0	100.0
Cass	100,889	3,613	3.6%	B	20	181:1	92.4	100.0	100.0
Cedar	13,952	1,380	9.9%	R	6	230:1	96.5	100.0	100.0
Chariton	7,694	645	8.4%	R	1	645:1	32.6	61.2	100.0
Christian	82,101	3,522	4.3%	B	37	95:1	95.9	100.0	100.0
Clark	6,917	382	5.5%	R	3	127:1	77.7	100.0	100.0
Clay	233,682	7,795	3.3%	B	57	137:1	98.2	100.0	100.0
Clinton	20,299	558	2.7%	R	1	558:1	31.7	96.4	100.0
Cole	76,557	3,578	4.7%	B	48	75:1	95.5	100.0	100.0
Cooper	17,585	1,064	6.1%	R	5	213:1	65.5	99.3	100.0
Crawford	24,650	1,910	7.7%	R	7	273:1	83.3	100.0	100.0
Dade	7,628	552	7.2%	R	1	552:1	75.9	100.0	100.0
Dallas	16,389	1,339	8.2%	R	3	446:1	82.4	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	0.0	32.8	100.0
DeKalb	12,692	841	6.6%	R	0	0	0.0	6.9	100.0
Dent	15,655	1,527	9.8%	R	5	305:1	90.5	100.0	100.0
Douglas	13,546	1,057	7.8%	R	2	529:1	75.2	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	8	548:1	71.9	98.9	100.0
Franklin	102,084	5,445	5.3%	B	18	303:1	83.1	100.0	100.0
Gasconade	14,866	950	6.4%	R	2	475:1	75.8	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	54.4	81.4	100.0
Greene	285,865	17,632	6.2%	U	289	61:1	98.3	100.0	100.0
Grundy	10,197	747	7.3%	R	6	125:1	86.5	100.0	100.0
Harrison	8,639	654	7.6%	R	1	654:1	67.9	96.0	100.0
Henry	22,028	1,945	8.8%	R	36	54:1	80.4	99.9	100.0
Hickory	9,219	707	7.7%	R	2	354:1	82.6	100.0	100.0
Holt	4,516	237	5.2%	R	3	79:1	52.3	100.0	100.0
Howard	10,159	721	7.1%	R	5	144:1	73.5	100.0	100.0
Howell	40,173	4,233	10.5%	R	16	265:1	81.4	100.0	100.0
Iron	10,267	1,297	12.6%	R	1	1297:1	58.9	100.0	100.0
Jackson	683,191	39,120	5.7%	U	264	148:1	99.8	100.0	100.0
Jasper	117,543	6,762	5.8%	B	51	133:1	95.5	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	42	213:1	98.4	100.0	100.0
Johnson	54,362	1,813	3.3%	R	18	101:1	78.1	100.0	100.0
Knox	4,000	239	6.0%	R	1	239:1	80.3	96.2	100.0

Demographics				County Type Urban Basic Rural	LPC - PLPC		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Providers	Ratio			
Laclede	35,439	2,947	8.3%	R	18	164:1	91.8	99.8	100.0
Lafayette	32,688	1,758	5.4%	R	18	98:1	66.0	99.1	100.0
Lawrence	38,023	1,446	3.8%	R	7	207:1	94.3	100.0	100.0
Lewis	10,138	605	6.0%	R	4	151:1	73.7	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	13	213:1	83.9	100.0	100.0
Linn	12,311	777	6.3%	R	0	0	0.0	6.7	100.0
Livingston	15,053	995	6.6%	R	4	249:1	82.1	100.0	100.0
Macon	15,479	1,019	6.6%	R	4	255:1	76.8	100.0	100.0
Madison	12,368	1,246	10.1%	R	8	156:1	80.4	100.0	100.0
Maries	9,013	428	4.7%	R	2	214:1	66.8	98.4	100.0
Marion	28,920	2,595	9.0%	R	19	137:1	97.3	100.0	100.0
McDonald	22,800	1,668	7.3%	R	5	334:1	67.1	97.5	100.0
Mercer	3,719	216	5.8%	R	0	0	0.0	2.3	100.0
Miller	25,141	1,851	7.4%	R	5	370:1	75.9	98.1	100.0
Mississippi	14,232	1,717	12.1%	R	2	859:1	93.2	100.0	100.0
Moniteau	15,856	680	4.3%	R	2	340:1	62.1	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	0.0	55.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	8.1	66.5	100.0
Morgan	20,240	1,814	9.0%	R	3	605:1	59.9	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	1	2080:1	25.7	100.0	100.0
Newton	58,598	4,852	8.3%	B	63	77:1	99.5	100.0	100.0
Nodaway	23,081	884	3.8%	R	3	295:1	69.8	99.4	100.0
Oregon	10,911	1,260	11.5%	R	4	315:1	88.1	100.0	100.0
Osage	13,703	426	3.1%	R	2	213:1	74.9	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	0.0	39.8	100.0
Pemiscot	17,650	2,551	14.5%	R	3	850:1	74.5	100.0	100.0
Perry	19,202	1,094	5.7%	R	4	274:1	89.8	100.0	100.0
Pettis	42,225	3,067	7.3%	R	15	204:1	90.0	100.0	100.0
Phelps	44,847	3,019	6.7%	R	45	67:1	97.4	100.0	100.0
Pike	18,541	1,114	6.0%	R	7	159:1	55.6	99.8	100.0
Platte	94,788	2,175	2.3%	B	25	87:1	98.4	100.0	100.0
Polk	31,054	2,299	7.4%	R	16	144:1	82.2	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	38	60:1	91.2	100.0	100.0
Putnam	4,829	365	7.6%	R	0	0	0.0	6.6	88.5
Ralls	10,255	650	6.3%	R	2	325:1	48.3	100.0	100.0
Randolph	25,072	1,948	7.8%	R	11	177:1	90.3	100.0	100.0
Ray	22,949	1,044	4.5%	R	1	1044:1	74.2	100.0	100.0
Reynolds	6,565	621	9.5%	R	5	124:1	51.0	100.0	100.0
Ripley	13,969	1,826	13.1%	R	5	365:1	87.5	99.7	100.0
Saline	23,347	1,603	6.9%	R	12	134:1	70.9	98.5	100.0
Schuyler	4,370	296	6.8%	R	0	0	0.0	54.4	100.0
Scotland	4,863	224	4.6%	R	4	56:1	76.8	100.0	100.0
Scott	38,903	4,380	11.3%	R	14	313:1	83.4	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	0.0	38.4	100.0
Shelby	6,108	419	6.9%	R	0	0	0.0	32.5	100.0
St. Charles	379,493	9,085	2.4%	U	82	111:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	1	717:1	58.9	91.1	100.0
St. Francois	65,960	6,074	9.2%	B	36	169:1	99.1	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	71	735:1	100.0	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	296	134:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	2	442:1	79.6	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	5	611:1	73.3	98.7	100.0

Demographics					LPC - PLPC				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
Stone	31,104	1,633	5.3%	R	2	817:1	48.1	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	0.0	20.9	100.0
Taney	54,230	3,530	6.5%	R	15	235:1	96.6	100.0	100.0
Texas	25,642	2,073	8.1%	R	7	296:1	79.6	93.5	100.0
Vernon	21,001	1,672	8.0%	R	22	76:1	88.7	99.0	100.0
Warren	33,253	1,574	4.7%	R	6	262:1	100.0	100.0	100.0
Washington	25,077	2,632	10.5%	R	0	0	36.5	94.7	100.0
Wayne	13,452	1,785	13.3%	R	5	357:1	61.3	93.6	100.0
Webster	36,888	2,495	6.8%	R	7	356:1	94.5	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	0.0	85.0	100.0
Wright	18,291	2,195	12.0%	R	13	169:1	79.0	100.0	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>2,221</b>	<b>165:1</b>	<b>89.2</b>	<b>98.1</b>	<b>100.0</b>

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## FFS Network Adequacy – Behavioral Health Services (Psychiatry)

Demographics				County Type Urban Basic Rural	Psychiatry		Child	Child	Child
County	Total Population	Eligibles	% Medicaid		Physicians	Ratio	Distance 1 provider within 22 miles	Distance 1 provider within 45 miles	Distance 1 provider within 90 miles
Adair	25,602	1,636	6.4%	R	5	327:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	99.5	100.0	100.0
Atchison	5,382	336	6.2%	R	1	336:1	95.2	100.0	100.0
Audrain	25,887	1,860	7.2%	R	11	169:1	86.3	100.0	100.0
Barry	35,662	3,686	10.3%	R	3	1229:1	98.6	100.0	100.0
Barton	12,057	839	7.0%	R	0	0	8.5	100.0	100.0
Bates	16,584	1,059	6.4%	R	2	530:1	100.0	100.0	100.0
Benton	18,806	1,715	9.1%	R	1	1715:1	98.8	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	84.6	100.0	100.0
Boone	172,717	7,012	4.1%	B	70	100:1	100.0	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	26	210:1	99.4	100.0	100.0
Butler	42,972	4,893	11.4%	R	25	196:1	100.0	100.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	16.0	100.0	100.0
Callaway	44,750	2,288	5.1%	R	13	176:1	100.0	100.0	100.0
Camden	44,021	2,110	4.8%	R	2	1055:1	100.0	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	22	196:1	100.0	100.0	100.0
Carroll	9,043	592	6.5%	R	1	592:1	97.6	100.0	100.0
Carter	6,258	830	13.3%	R	1	830:1	100.0	100.0	100.0
Cass	100,889	3,613	3.6%	B	11	328:1	98.6	100.0	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	100.0	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	30.7	100.0	100.0
Christian	82,101	3,522	4.3%	B	2	1761:1	99.2	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	35.1	100.0
Clay	233,682	7,795	3.3%	B	40	195:1	100.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	77.8	100.0	100.0
Cole	76,557	3,578	4.7%	B	33	108:1	99.8	100.0	100.0
Cooper	17,585	1,064	6.1%	R	1	1064:1	100.0	100.0	100.0
Crawford	24,650	1,910	7.7%	R	1	1910:1	97.1	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	77.4	100.0	100.0
Dallas	16,389	1,339	8.2%	R	1	1339:1	100.0	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	36.4	100.0	100.0
DeKalb	12,692	841	6.6%	R	0	0	11.4	100.0	100.0
Dent	15,655	1,527	9.8%	R	1	1527:1	100.0	100.0	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	100.0	100.0
Dunklin	31,344	4,384	14.0%	R	6	731:1	93.9	100.0	100.0
Franklin	102,084	5,445	5.3%	B	21	259:1	99.5	100.0	100.0
Gasconade	14,866	950	6.4%	R	0	0	22.4	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	83.7	100.0	100.0
Greene	285,865	17,632	6.2%	U	60	294:1	100.0	100.0	100.0
Grundy	10,197	747	7.3%	R	2	374:1	100.0	100.0	100.0
Harrison	8,639	654	7.6%	R	2	327:1	96.8	100.0	100.0
Henry	22,028	1,945	8.8%	R	39	50:1	100.0	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	64.1	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	62.0	100.0	100.0
Howard	10,159	721	7.1%	R	1	721:1	100.0	100.0	100.0
Howell	40,173	4,233	10.5%	R	16	265:1	99.4	100.0	100.0
Iron	10,267	1,297	12.6%	R	2	649:1	95.7	100.0	100.0
Jackson	683,191	39,120	5.7%	U	183	214:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	4	1691:1	99.9	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	21	426:1	100.0	100.0	100.0
Johnson	54,362	1,813	3.3%	R	2	907:1	100.0	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	72.0	100.0	100.0

Demographics				County Type Urban Basic Rural	Psychiatry		Child	Child	Child
County	Total Population	Eligibles	% Medicaid		Physicians	Ratio	Distance 1 provider within 22 miles	Distance 1 provider within 45 miles	Distance 1 provider within 90 miles
Laclede	35,439	2,947	8.3%	R	2	1474:1	98.8	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	9	195:1	100.0	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	1	1446:1	100.0	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	14.9	100.0	100.0
Lincoln	54,249	2,774	5.1%	R	3	925:1	100.0	100.0	100.0
Linn	12,311	777	6.3%	R	0	0	7.2	100.0	100.0
Livingston	15,053	995	6.6%	R	2	498:1	100.0	100.0	100.0
Macon	15,479	1,019	6.6%	R	1	1019:1	98.9	100.0	100.0
Madison	12,368	1,246	10.1%	R	1	1246:1	100.0	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	32.2	100.0	100.0
Marion	28,920	2,595	9.0%	R	9	288:1	100.0	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	12.6	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	44.0	100.0	100.0
Miller	25,141	1,851	7.4%	R	0	0	91.5	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	94.2	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	97.2	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	65.3	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	25.1	100.0	100.0
Morgan	20,240	1,814	9.0%	R	2	907:1	100.0	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	92.2	100.0	100.0
Newton	58,598	4,852	8.3%	B	26	187:1	97.3	100.0	100.0
Nodaway	23,081	884	3.8%	R	5	177:1	98.4	100.0	100.0
Oregon	10,911	1,260	11.5%	R	0	0	7.9	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	42.0	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	9.7	100.0	100.0
Pemiscot	17,650	2,551	14.5%	R	3	850:1	100.0	100.0	100.0
Perry	19,202	1,094	5.7%	R	2	547:1	99.9	100.0	100.0
Pettis	42,225	3,067	7.3%	R	4	767:1	100.0	100.0	100.0
Phelps	44,847	3,019	6.7%	R	16	189:1	99.7	100.0	100.0
Pike	18,541	1,114	6.0%	R	0	0	6.4	100.0	100.0
Platte	94,788	2,175	2.3%	B	8	272:1	99.6	100.0	100.0
Polk	31,054	2,299	7.4%	R	11	209:1	100.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	5	455:1	100.0	100.0	100.0
Putnam	4,829	365	7.6%	R	1	365:1	100.0	100.0	100.0
Ralls	10,255	650	6.3%	R	0	0	90.6	100.0	100.0
Randolph	25,072	1,948	7.8%	R	1	1948:1	100.0	100.0	100.0
Ray	22,949	1,044	4.5%	R	0	0	88.7	100.0	100.0
Reynolds	6,565	621	9.5%	R	2	311:1	100.0	100.0	100.0
Ripley	13,969	1,826	13.1%	R	1	1826:1	100.0	100.0	100.0
Saline	23,347	1,603	6.9%	R	5	321:1	100.0	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	36.1	100.0	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	100.0	100.0
Scott	38,903	4,380	11.3%	R	12	365:1	98.4	100.0	100.0
Shannon	8,329	882	10.6%	R	1	882:1	100.0	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	32.2	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	62	147:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	2	359:1	100.0	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	25	243:1	100.0	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	226	231:1	100.0	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	171	231:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	2	442:1	100.0	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	1		93.6	100.0	100.0

Demographics				County Type Urban Basic Rural	Psychiatry		Child	Child	Child
County	Total Population	Eligibles	% Medicaid		Physicians	Ratio	Distance 1 provider within 22 miles	Distance 1 provider within 45 miles	Distance 1 provider within 90 miles
Stone	31,104	1,633	5.3%	R	0	0	93.3	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	46.2	100.0	100.0
Taney	54,230	3,530	6.5%	R	7	504:1	98.8	100.0	100.0
Texas	25,642	2,073	8.1%	R	0	0	18.4	100.0	100.0
Vernon	21,001	1,672	8.0%	R	21	80:1	100.0	100.0	100.0
Warren	33,253	1,574	4.7%	R	0	0	92.4	100.0	100.0
Washington	25,077	2,632	10.5%	R	3	877:1	100.0	100.0	100.0
Wayne	13,452	1,785	13.3%	R	2	893:1	100.0	100.0	100.0
Webster	36,888	2,495	6.8%	R	0	0	50.2	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	85.0	100.0	100.0
Wright	18,291	2,195	12.0%	R	0	0	4.1	99.8	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1290</b>	<b>285:1</b>	<b>94.3</b>	<b>99.9</b>	<b>100.0</b>

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Demographics				County Type Urban Basic Rural	Psychiatry		Adult	Adult	Adult
County	Total Population	Eligibles	% Medicaid		Physicians	Ratio	Distance 1 provider within 15 miles	Distance 1 provider within 40 miles	Distance 1 provider within 80 miles
Adair	25,602	1,636	6.4%	R	5	327:1	100.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	90.5	100.0	100.0
Atchison	5,382	336	6.2%	R	1	336:1	89.0	100.0	100.0
Audrain	25,887	1,860	7.2%	R	11	169:1	67.2	100.0	100.0
Barry	35,662	3,686	10.3%	R	3	1229:1	87.7	100.0	100.0
Barton	12,057	839	7.0%	R	0	0	0.0	100.0	100.0
Bates	16,584	1,059	6.4%	R	2	530:1	92.9	100.0	100.0
Benton	18,806	1,715	9.1%	R	1	1715:1	83.4	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	6.3	100.0	100.0
Boone	172,717	7,012	4.1%	B	70	100:1	98.5	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	26	210:1	98.6	100.0	100.0
Butler	42,972	4,893	11.4%	R	25	196:1	94.7	100.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	0.0	100.0	100.0
Callaway	44,750	2,288	5.1%	R	13	176:1	98.3	100.0	100.0
Camden	44,021	2,110	4.8%	R	2	1055:1	89.2	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	22	196:1	97.4	100.0	100.0
Carroll	9,043	592	6.5%	R	1	592:1	87.0	100.0	100.0
Carter	6,258	830	13.3%	R	1	830:1	60.1	100.0	100.0
Cass	100,889	3,613	3.6%	B	11	328:1	91.4	100.0	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	97.4	100.0	100.0
Chariton	7,694	645	8.4%	R	0	0	0.0	100.0	100.0
Christian	82,101	3,522	4.3%	B	2	1761:1	89.1	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	4.7	100.0
Clay	233,682	7,795	3.3%	B	40	195:1	92.1	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	21.5	100.0	100.0
Cole	76,557	3,578	4.7%	B	33	108:1	96.4	100.0	100.0
Cooper	17,585	1,064	6.1%	R	1	1064:1	86.6	100.0	100.0
Crawford	24,650	1,910	7.7%	R	1	1910:1	90.1	100.0	100.0
Dade	7,628	552	7.2%	R	0	0	20.8	100.0	100.0
Dallas	16,389	1,339	8.2%	R	1	1339:1	86.0	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	9.8	100.0	100.0
DeKalb	12,692	841	6.6%	R	0	0	3.3	100.0	100.0
Dent	15,655	1,527	9.8%	R	1	1527:1	86.5	100.0	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	95.8	100.0
Dunklin	31,344	4,384	14.0%	R	6	731:1	55.3	100.0	100.0
Franklin	102,084	5,445	5.3%	B	21	259:1	90.8	100.0	100.0
Gasconade	14,866	950	6.4%	R	0	0	11.7	100.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	76.8	100.0	100.0
Greene	285,865	17,632	6.2%	U	60	294:1	99.8	100.0	100.0
Grundy	10,197	747	7.3%	R	2	374:1	97.5	100.0	100.0
Harrison	8,639	654	7.6%	R	2	327:1	81.3	100.0	100.0
Henry	22,028	1,945	8.8%	R	39	50:1	93.7	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	27.6	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	14.8	100.0	100.0
Howard	10,159	721	7.1%	R	1	721:1	92.4	100.0	100.0
Howell	40,173	4,233	10.5%	R	16	265:1	83.0	100.0	100.0
Iron	10,267	1,297	12.6%	R	2	649:1	86.3	100.0	100.0
Jackson	683,191	39,120	5.7%	U	183	214:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	4	1691:1	96.9	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	21	426:1	93.5	100.0	100.0
Johnson	54,362	1,813	3.3%	R	2	907:1	81.5	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	0.0	100.0	100.0

Demographics				County Type Urban Basic Rural	Psychiatry		Adult	Adult	Adult
County	Total Population	Eligibles	% Medicaid		Physicians	Ratio	Distance 1 provider within 15 miles	Distance 1 provider within 40 miles	Distance 1 provider within 80 miles
Laclede	35,439	2,947	8.3%	R	2	1474:1	87.6	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	9	195:1	100.0	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	1	1446:1	81.8	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	0.0	98.3	100.0
Lincoln	54,249	2,774	5.1%	R	3	925:1	83.1	100.0	100.0
Linn	12,311	777	6.3%	R	0	0	0.9	100.0	100.0
Livingston	15,053	995	6.6%	R	2	498:1	94.3	100.0	100.0
Macon	15,479	1,019	6.6%	R	1	1019:1	87.7	100.0	100.0
Madison	12,368	1,246	10.1%	R	1	1246:1	88.8	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	7.7	100.0	100.0
Marion	28,920	2,595	9.0%	R	9	288:1	98.1	100.0	100.0
McDonald	22,800	1,668	7.3%	R	0	0	0.0	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	0.0	100.0	100.0
Miller	25,141	1,851	7.4%	R	0	0	30.2	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	38.3	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	13.8	100.0	100.0
Monroe	8,707	331	3.8%	R	0	0	24.2	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	0.0	100.0	100.0
Morgan	20,240	1,814	9.0%	R	2	907:1	82.9	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	28.5	100.0	100.0
Newton	58,598	4,852	8.3%	B	26	187:1	63.4	100.0	100.0
Nodaway	23,081	884	3.8%	R	5	177:1	85.1	100.0	100.0
Oregon	10,911	1,260	11.5%	R	0	0	0.0	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	4.9	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	2.4	92.5	100.0
Pemiscot	17,650	2,551	14.5%	R	3	850:1	89.3	100.0	100.0
Perry	19,202	1,094	5.7%	R	2	547:1	97.3	100.0	100.0
Pettis	42,225	3,067	7.3%	R	4	767:1	99.4	100.0	100.0
Phelps	44,847	3,019	6.7%	R	16	189:1	95.6	100.0	100.0
Pike	18,541	1,114	6.0%	R	0	0	0.7	100.0	100.0
Platte	94,788	2,175	2.3%	B	8	272:1	94.5	100.0	100.0
Polk	31,054	2,299	7.4%	R	11	209:1	98.9	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	5	455:1	86.0	100.0	100.0
Putnam	4,829	365	7.6%	R	1	365:1	80.8	100.0	100.0
Ralls	10,255	650	6.3%	R	0	0	37.2	100.0	100.0
Randolph	25,072	1,948	7.8%	R	1	1948:1	97.4	100.0	100.0
Ray	22,949	1,044	4.5%	R	0	0	66.8	100.0	100.0
Reynolds	6,565	621	9.5%	R	2	311:1	86.2	100.0	100.0
Ripley	13,969	1,826	13.1%	R	1	1826:1	97.8	100.0	100.0
Saline	23,347	1,603	6.9%	R	5	321:1	86.9	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	0.0	100.0	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	91.1	100.0
Scott	38,903	4,380	11.3%	R	12	365:1	91.8	100.0	100.0
Shannon	8,329	882	10.6%	R	1	882:1	100.0	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	16.9	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	62	147:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	2	359:1	84.2	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	25	243:1	99.5	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	226	231:1	100.0	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	171	231:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	2	442:1	98.1	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	1	3054:1	84.1	100.0	100.0

Demographics				County Type Urban Basic Rural	Psychiatry		Adult	Adult	Adult
County	Total Population	Eligibles	% Medicaid		Physicians	Ratio	Distance 1 provider within 15 miles	Distance 1 provider within 40 miles	Distance 1 provider within 80 miles
Stone	31,104	1,633	5.3%	R	0	0	49.7	100.0	100.0
Sullivan	6,411	474	7.4%	R	0	0	7.8	100.0	100.0
Taney	54,230	3,530	6.5%	R	7	504:1	95.8	100.0	100.0
Texas	25,642	2,073	8.1%	R	0	0	9.1	100.0	100.0
Vernon	21,001	1,672	8.0%	R	21	80:1	93.5	100.0	100.0
Warren	33,253	1,574	4.7%	R	0	0	39.3	100.0	100.0
Washington	25,077	2,632	10.5%	R	3	877:1	89.9	100.0	100.0
Wayne	13,452	1,785	13.3%	R	2	893:1	99.2	100.0	100.0
Webster	36,888	2,495	6.8%	R	0	0	19.0	100.0	100.0
Worth	2,073	127	6.1%	R	0	0	4.7	100.0	100.0
Wright	18,291	2,195	12.0%	R	0	0	1.0	84.5	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1290</b>	<b>285:1</b>	<b>87.1</b>	<b>99.8</b>	<b>100.0</b>

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## FFS Network Adequacy – Behavioral Health Services (CMHC)

Demographics				County Type Urban Basic Rural	CMHC		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Facilities	Ratio			
Adair	25,602	1,636	6.4%	R	2	818:1	89.0	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	61.3	94.9	100.0
Atchison	5,382	336	6.2%	R	0	0	0.0	0.0	36.0
Audrain	25,887	1,860	7.2%	R	1	1860:1	59.3	84.0	100.0
Barry	35,662	3,686	10.3%	R	1	3686:1	26.5	66.0	98.6
Barton	12,057	839	7.0%	R	0	0	0.0	0.0	78.4
Bates	16,584	1,059	6.4%	R	0	0	0.0	0.0	83.5
Benton	18,806	1,715	9.1%	R	0	0	0.0	2.0	94.6
Bollinger	12,394	1,015	8.2%	R	0	0	0.0	0.0	96.4
Boone	172,717	7,012	4.1%	B	0	0	0.1	5.5	100.0
Buchanan	89,486	5,467	6.1%	B	1	5467:1	95.3	99.2	100.0
Butler	42,972	4,893	11.4%	B	1	4893:1	76.6	98.2	100.0
Caldwell	9,034	513	5.7%	R	0	0	0.0	0.0	57.3
Callaway	44,750	2,288	5.1%	R	0	0	20.1	38.6	100.0
Camden	44,021	2,110	4.8%	R	0	0	0.0	0.0	0.7
Cape Girardeau	78,043	4,307	5.5%	B	2	2154:1	72.8	95.3	100.0
Carroll	9,043	592	6.5%	R	0	0	0.0	0.0	0.0
Carter	6,258	830	13.3%	R	0	0	0.0	16.5	61.8
Cass	100,889	3,613	3.6%	B	0	0	0.3	66.8	100.0
Cedar	13,952	1,380	9.9%	R	0	0	0.0	0.0	12.8
Chariton	7,694	645	8.4%	R	0	0	0.0	3.7	90.5
Christian	82,101	3,522	4.3%	B	0	0	40.1	88.9	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	0.0	0.0
Clay	233,682	7,795	3.3%	B	1	7795:1	80.6	90.1	100.0
Clinton	20,299	558	2.7%	R	0	0	0.0	16.1	100.0
Cole	76,557	3,578	4.7%	B	1	3578:1	81.0	96.9	100.0
Cooper	17,585	1,064	6.1%	R	0	0	0.0	0.0	12.4
Crawford	24,650	1,910	7.7%	R	0	0	0.0	5.5	99.4
Dade	7,628	552	7.2%	R	0	0	0.0	0.0	98.4
Dallas	16,389	1,339	8.2%	R	0	0	0.0	0.0	70.2
Daviess	8,297	451	5.4%	R	0	0	0.0	14.6	100.0
DeKalb	12,692	841	6.6%	R	0	0	0.0	3.8	100.0
Dent	15,655	1,527	9.8%	R	0	0	0.0	0.0	96.7
Douglas	13,546	1,057	7.8%	R	0	0	0.0	0.0	7.3
Dunklin	31,344	4,384	14.0%	R	0	0	0.0	0.0	32.9
Franklin	102,084	5,445	5.3%	B	0	0	0.5	13.4	93.1
Gasconade	14,866	950	6.4%	R	0	0	0.0	0.0	89.6
Gentry	6,826	436	6.4%	R	0	0	0.0	0.0	28.0
Greene	285,865	17,632	6.2%	U	3	5877:1	87.9	98.5	100.0
Grundy	10,197	747	7.3%	R	1	747:1	86.5	100.0	100.0
Harrison	8,639	654	7.6%	R	0	0	0.0	6.7	93.1
Henry	22,028	1,945	8.8%	R	2	973:1	62.5	83.9	100.0
Hickory	9,219	707	7.7%	R	0	0	0.0	0.0	8.8
Holt	4,516	237	5.2%	R	0	0	0.0	0.0	100.0
Howard	10,159	721	7.1%	R	0	0	0.0	24.0	97.1
Howell	40,173	4,233	10.5%	R	1	4233:1	51.5	78.2	100.0
Iron	10,267	1,297	12.6%	R	0	0	0.0	0.0	4.0
Jackson	683,191	39,120	5.7%	U	8	4890:1	94.9	100.0	100.0
Jasper	117,543	6,762	5.8%	B	0	0	56.9	91.0	100.0
Jefferson	222,716	8,948	4.0%	B	1	8948:1	41.5	99.2	100.0
Johnson	54,362	1,813	3.3%	R	0	0	0.0	7.7	100.0
Knox	4,000	239	6.0%	R	0	0	0.0	16.7	100.0

Demographics				County Type Urban Basic Rural	CMHC		Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
County	Total Population	Eligibles	% Medicaid		Facilities	Ratio			
Laclede	35,439	2,947	8.3%	R	0	0	0.0	0.0	2.7
Lafayette	32,688	1,758	5.4%	R	0	0	0.0	9.4	86.6
Lawrence	38,023	1,446	3.8%	R	0	0	27.7	81.5	100.0
Lewis	10,138	605	6.0%	R	0	0	0.0	0.0	85.8
Lincoln	54,249	2,774	5.1%	R	0	0	0.8	58.5	100.0
Linn	12,311	777	6.3%	R	0	0	0.0	0.0	34.7
Livingston	15,053	995	6.6%	R	0	0	0.0	15.3	100.0
Macon	15,479	1,019	6.6%	R	0	0	4.3	80.1	100.0
Madison	12,368	1,246	10.1%	R	0	0	0.0	0.0	5.6
Maries	9,013	428	4.7%	R	0	0	2.3	10.3	100.0
Marion	28,920	2,595	9.0%	R	2	1298:1	86.4	96.6	100.0
McDonald	22,800	1,668	7.3%	R	0	0	0.0	1.3	88.5
Mercer	3,719	216	5.8%	R	0	0	0.0	0.0	100.0
Miller	25,141	1,851	7.4%	R	0	0	0.0	0.0	69.5
Mississippi	14,232	1,717	12.1%	R	0	0	4.7	87.4	100.0
Moniteau	15,856	680	4.3%	R	0	0	0.0	11.5	100.0
Monroe	8,707	331	3.8%	R	1	331:1	67.4	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	0.0	1.9	99.6
Morgan	20,240	1,814	9.0%	R	0	0	0.0	0.0	9.9
New Madrid	18,272	2,080	11.4%	R	0	0	7.5	16.6	92.9
Newton	58,598	4,852	8.3%	B	1	4852:1	47.7	79.5	100.0
Nodaway	23,081	884	3.8%	R	0	0	0.0	0.0	27.9
Oregon	10,911	1,260	11.5%	R	0	0	0.0	3.9	95.9
Osage	13,703	426	3.1%	R	0	0	0.0	18.1	100.0
Ozark	9,492	796	8.4%	R	0	0	0.0	4.8	70.9
Pemiscot	17,650	2,551	14.5%	R	0	0	0.0	0.0	0.0
Perry	19,202	1,094	5.7%	R	0	0	0.0	0.3	34.3
Pettis	42,225	3,067	7.3%	R	0	0	0.0	0.0	13.6
Phelps	44,847	3,019	6.7%	R	1	3019:1	74.8	96.1	100.0
Pike	18,541	1,114	6.0%	R	0	0	0.0	4.8	98.3
Platte	94,788	2,175	2.3%	B	0	0	65.3	89.0	100.0
Polk	31,054	2,299	7.4%	R	0	0	0.0	9.6	80.7
Pulaski	53,436	2,275	4.3%	R	0	0	0.0	8.1	89.3
Putnam	4,829	365	7.6%	R	0	0	0.0	4.9	78.6
Ralls	10,255	650	6.3%	R	1	650:1	28.3	89.8	100.0
Randolph	25,072	1,948	7.8%	R	1	1948:1	88.0	100.0	100.0
Ray	22,949	1,044	4.5%	R	0	0	0.0	0.7	96.7
Reynolds	6,565	621	9.5%	R	0	0	0.0	0.0	0.0
Ripley	13,969	1,826	13.1%	R	0	0	0.0	10.1	96.8
Saline	23,347	1,603	6.9%	R	0	0	0.0	0.0	1.7
Schuyler	4,370	296	6.8%	R	0	0	0.0	36.1	100.0
Scotland	4,863	224	4.6%	R	0	0	0.0	0.0	91.1
Scott	38,903	4,380	11.3%	R	1	4380:1	71.0	98.4	100.0
Shannon	8,329	882	10.6%	R	0	0	0.0	0.0	41.5
Shelby	6,108	419	6.9%	R	1	419:1	26.0	85.9	100.0
St. Charles	379,493	9,085	2.4%	U	3	3028:1	97.7	100.0	100.0
St. Clair	9,457	717	7.6%	R	0	0	0.0	19.5	100.0
St. Francois	65,960	6,074	9.2%	B	0	0	0.0	5.9	98.2
St. Louis Co.	1,001,876	52,150	5.2%	U	5	10430:1	95.7	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	5	7917:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	0	0	0.0	7.9	85.7
Stoddard	29,867	3,054	10.2%	R	0	0	0.0	9.7	100.0

Demographics					CMHC				
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Facilities	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 40 miles
Stone	31,104	1,633	5.3%	R	0	0	0.0	2.9	75.7
Sullivan	6,411	474	7.4%	R	0	0	0.0	17.3	100.0
Taney	54,230	3,530	6.5%	R	0	0	0.0	0.0	83.7
Texas	25,642	2,073	8.1%	R	0	0	0.0	0.0	57.0
Vernon	21,001	1,672	8.0%	R	0	0	0.0	0.0	3.0
Warren	33,253	1,574	4.7%	R	0	0	0.0	68.3	100.0
Washington	25,077	2,632	10.5%	R	0	0	0.0	3.9	90.6
Wayne	13,452	1,785	13.3%	R	0	0	6.6	27.7	100.0
Webster	36,888	2,495	6.8%	R	0	0	4.4	22.4	97.3
Worth	2,073	127	6.1%	R	0	0	0.0	0.0	0.0
Wright	18,291	2,195	12.0%	R	0	0	0.0	0.0	18.5
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>48</b>	<b>7657:1</b>	<b>55.7</b>	<b>67.2</b>	<b>89.8</b>

DRAFT

## FFS Network Adequacy – OB/GYN Providers

County	Demographics			County Type Urban Basic Rural	OB/GYN		Distance 1 provider within 15 miles	Distance 1 provider within 30 miles	Distance 1 provider within 60 miles
	Total Population	Eligibles	% Medicaid		Physicians	Ratio			
Adair	25,602	1,636	6.4%	R	4	409:1	99.9	100.0	100.0
Andrew	17,379	1,299	7.5%	R	3	433:1	98.8	100.0	100.0
Atchison	5,382	336	6.2%	R	1	336:1	89.0	100.0	100.0
Audrain	25,887	1,860	7.2%	R	2	930:1	68.4	100.0	100.0
Barry	35,662	3,686	10.3%	R	2	1843:1	89.1	100.0	100.0
Barton	12,057	839	7.0%	R	6	140:1	89.3	100.0	100.0
Bates	16,584	1,059	6.4%	R	1	1059:1	92.9	100.0	100.0
Benton	18,806	1,715	9.1%	R	2	858:1	87.7	100.0	100.0
Bollinger	12,394	1,015	8.2%	R	0	0	10.0	100.0	100.0
Boone	172,717	7,012	4.1%	B	53	132:1	98.9	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	23	238:1	99.1	100.0	100.0
Butler	42,972	4,893	11.4%	R	7	699:1	96.5	100.0	100.0
Caldwell	9,034	513	5.7%	R	0	0	43.3	100.0	100.0
Callaway	44,750	2,288	5.1%	R	1	2288:1	96.9	100.0	100.0
Camden	44,021	2,110	4.8%	R	6	352:1	89.9	100.0	100.0
Cape Girardeau	78,043	4,307	5.5%	B	20	215:1	93.8	100.0	100.0
Carroll	9,043	592	6.5%	R	4	148:1	95.4	100.0	100.0
Carter	6,258	830	13.3%	R	1	830:1	54.6	100.0	100.0
Cass	100,889	3,613	3.6%	B	11	328:1	92.7	100.0	100.0
Cedar	13,952	1,380	9.9%	R	5	276:1	97.4	100.0	100.0
Chariton	7,694	645	8.4%	R	2	323:1	79.8	100.0	100.0
Christian	82,101	3,522	4.3%	B	2	1761:1	98.3	100.0	100.0
Clark	6,917	382	5.5%	R	0	0	0.0	75.1	100.0
Clay	233,682	7,795	3.3%	B	43	181:1	97.0	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	24.6	100.0	100.0
Cole	76,557	3,578	4.7%	B	24	149:1	98.7	100.0	100.0
Cooper	17,585	1,064	6.1%	R	0	0	12.5	100.0	100.0
Crawford	24,650	1,910	7.7%	R	0	0	33.2	100.0	100.0
Dade	7,628	552	7.2%	R	2	276:1	100.0	100.0	100.0
Dallas	16,389	1,339	8.2%	R	1	1339:1	86.0	100.0	100.0
Daviess	8,297	451	5.4%	R	0	0	14.4	100.0	100.0
DeKalb	12,692	841	6.6%	R	3	280:1	85.9	100.0	100.0
Dent	15,655	1,527	9.8%	R	0	0	6.3	92.9	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	92.4	100.0
Dunklin	31,344	4,384	14.0%	R	3	1461:1	54.1	100.0	100.0
Franklin	102,084	5,445	5.3%	B	9	605:1	69.6	100.0	100.0
Gasconade	14,866	950	6.4%	R	0	0	0.9	78.1	100.0
Gentry	6,826	436	6.4%	R	1	436:1	76.8	100.0	100.0
Greene	285,865	17,632	6.2%	U	84	210:1	97.2	100.0	100.0
Grundy	10,197	747	7.3%	R	9	83:1	99.1	100.0	100.0
Harrison	8,639	654	7.6%	R	1	654:1	81.3	100.0	100.0
Henry	22,028	1,945	8.8%	R	5	389:1	76.0	100.0	100.0
Hickory	9,219	707	7.7%	R	0	0	0.0	100.0	100.0
Holt	4,516	237	5.2%	R	0	0	24.9	100.0	100.0
Howard	10,159	721	7.1%	R	0	0	16.8	100.0	100.0
Howell	40,173	4,233	10.5%	R	9	470:1	67.8	100.0	100.0
Iron	10,267	1,297	12.6%	R	5	259:1	100.0	100.0	100.0

County	Demographics			County Type Urban Basic Rural	OB/GYN		Distance 1 provider within 15 miles	Distance 1 provider within 30 miles	Distance 1 provider within 60 miles
	Total Population	Eligibles	% Medicaid		Physicians	Ratio			
Jackson	683,191	39,120	5.7%	U	174	225:1	100.0	100.0	100.0
Jasper	117,543	6,762	5.8%	B	12	564:1	98.5	100.0	100.0
Jefferson	222,716	8,948	4.0%	B	11	813:1	89.7	100.0	100.0
Johnson	54,362	1,813	3.3%	R	7	259:1	98.0	100.0	100.0
Knox	4,000	239	6.0%	R	0	0	0.0	95.4	100.0
Laclede	35,439	2,947	8.3%	R	5	589:1	85.8	100.0	100.0
Lafayette	32,688	1,758	5.4%	R	4	440:1	98.4	100.0	100.0
Lawrence	38,023	1,446	3.8%	R	2	723:1	82.6	100.0	100.0
Lewis	10,138	605	6.0%	R	0	0	0.0	26.3	100.0
Lincoln	54,249	2,774	5.1%	R	2	1387:1	83.7	100.0	100.0
Linn	12,311	777	6.3%	R	1	777:1	94.7	100.0	100.0
Livingston	15,053	995	6.6%	R	4	249:1	97.3	100.0	100.0
Macon	15,479	1,019	6.6%	R	2	510:1	85.6	100.0	100.0
Madison	12,368	1,246	10.1%	R	2	623:1	100.0	100.0	100.0
Maries	9,013	428	4.7%	R	0	0	6.5	93.0	100.0
Marion	28,920	2,595	9.0%	R	5	519:1	97.6	100.0	100.0
McDonald	22,800	1,668	7.3%	R	1	1668:1	78.5	100.0	100.0
Mercer	3,719	216	5.8%	R	0	0	0.0	100.0	100.0
Miller	25,141	1,851	7.4%	R	2	926:1	84.8	100.0	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	32.5	100.0	100.0
Moniteau	15,856	680	4.3%	R	0	0	14.1	100.0	100.0
Monroe	8,707	331	3.8%	R	1	331:1	92.4	100.0	100.0
Montgomery	11,841	852	7.2%	R	0	0	0.0	99.6	100.0
Morgan	20,240	1,814	9.0%	R	3	605:1	96.7	100.0	100.0
New Madrid	18,272	2,080	11.4%	R	0	0	27.0	100.0	100.0
Newton	58,598	4,852	8.3%	B	24	202:1	96.9	100.0	100.0
Nodaway	23,081	884	3.8%	R	4	221:1	85.1	100.0	100.0
Oregon	10,911	1,260	11.5%	R	1	1260:1	51.6	100.0	100.0
Osage	13,703	426	3.1%	R	0	0	4.9	100.0	100.0
Ozark	9,492	796	8.4%	R	0	0	2.4	39.8	100.0
Pemiscot	17,650	2,551	14.5%	R	2	1276:1	89.3	100.0	100.0
Perry	19,202	1,094	5.7%	R	4	274:1	94.1	100.0	100.0
Pettis	42,225	3,067	7.3%	R	6	511:1	99.4	100.0	100.0
Phelps	44,847	3,019	6.7%	R	11	274:1	90.4	100.0	100.0
Pike	18,541	1,114	6.0%	R	0	0	0.0	30.8	100.0
Platte	94,788	2,175	2.3%	B	10	218:1	98.4	100.0	100.0
Polk	31,054	2,299	7.4%	R	8	287:1	81.8	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	2	1138:1	88.3	100.0	100.0
Putnam	4,829	365	7.6%	R	1	365:1	80.8	100.0	100.0
Ralls	10,255	650	6.3%	R	1	650:1	74.2	100.0	100.0
Randolph	25,072	1,948	7.8%	R	4	487:1	97.4	100.0	100.0
Ray	22,949	1,044	4.5%	R	0	0	63.5	100.0	100.0
Reynolds	6,565	621	9.5%	R	2	311:1	86.2	100.0	100.0
Ripley	13,969	1,826	13.1%	R	2	913:1	97.4	100.0	100.0

County	Demographics			County Type Urban Basic Rural	OB/GYN		Distance 1 provider within 15 miles	Distance 1 provider within 30 miles	Distance 1 provider within 60 miles
	Total Population	Eligibles	% Medicaid		Physicians	Ratio			
Saline	23,347	1,603	6.9%	R	6	267:1	75.5	100.0	100.0
Schuyler	4,370	296	6.8%	R	0	0	18.2	100.0	100.0
Scotland	4,863	224	4.6%	R	3	75:1	100.0	100.0	100.0
Scott	38,903	4,380	11.3%	R	8	548:1	98.7	100.0	100.0
Shannon	8,329	882	10.6%	R	0	0	0.0	95.0	100.0
Shelby	6,108	419	6.9%	R	0	0	31.0	100.0	100.0
St. Charles	379,493	9,085	2.4%	U	90	101:1	100.0	100.0	100.0
St. Clair	9,457	717	7.6%	R	0	0	10.6	100.0	100.0
St. Francois	65,960	6,074	9.2%	B	24	253:1	100.0	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	351	149:1	100.0	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	151	262:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	4	221:1	97.7	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	6	509:1	78.0	100.0	100.0
Stone	31,104	1,633	5.3%	R	0	0	52.2	100.0	100.0
Sullivan	6,411	474	7.4%	R	2	237:1	80.2	100.0	100.0
Taney	54,230	3,530	6.5%	R	13	272:1	95.8	100.0	100.0
Texas	25,642	2,073	8.1%	R	2	1037:1	49.3	100.0	100.0
Vernon	21,001	1,672	8.0%	R	3	557:1	93.9	100.0	100.0
Warren	33,253	1,574	4.7%	R	0	0	61.8	100.0	100.0
Washington	25,077	2,632	10.5%	R	1	2632:1	91.6	100.0	100.0
Wayne	13,452	1,785	13.3%	R	2	893:1	88.1	100.0	100.0
Webster	36,888	2,495	6.8%	R	0	0	20.5	98.0	100.0
Worth	2,073	127	6.1%	R	0	0	4.7	100.0	100.0
Wright	18,291	2,195	12.0%	R	0	0	1.0	63.9	100.0
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>	<b>6.1%</b>		<b>1341.00</b>	<b>274:1</b>	<b>87.9</b>	<b>99.2</b>	<b>100.0</b>

## FFS Network Adequacy – Home Health Agencies

DEMOGRAPHICS				HOME HEALTH AGENCIES			Distance	Distance	Distance
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	1 provider within 10 miles	1 provider within 20 miles	1 provider within 30 miles
Adair	25,602	1,636	6.4%	R	2	818:1	85.7	100.0	100.0
Andrew	17,379	1,299	7.5%	R	0	0	69.0	97.2	100.0
Atchison	5,382	336	6.2%	R	1	336:1	69.3	94.3	100.0
Audrain	25,887	1,860	7.2%	R	1	1860:1	59.5	97.5	100.0
Barry	35,662	3,686	10.3%	R	1	3686:1	28.3	77.5	98.2
Barton	12,057	839	7.0%	R	1	839:1	66.9	95.4	100.0
Bates	16,584	1,059	6.4%	R	0	0	0.0	36.5	92.4
Benton	18,806	1,715	9.1%	R	1	1715:1	62.9	85.7	99.5
Bollinger	12,394	1,015	8.2%	R	0	0	0.0	20.7	99.4
Boone	172,717	7,012	4.1%	B	5	1402:1	90.4	100.0	100.0
Buchanan	89,486	5,467	6.1%	B	3	1822:1	97.7	99.4	100.0
Butler	42,972	4,893	11.4%	R	1	4893:1	79.7	99.7	100.0
Caldwell	9,034	513	5.7%	R	0	0	2.1	63.4	100.0
Callaway	44,750	2,288	5.1%	R	0	0	12.3	52.9	100.0
Camden	44,021	2,110	4.8%	R	2	1055:1	63.0	95.1	100.0
Cape Girardeau	78,043	4,307	5.5%	B	3	1436:1	92.4	98.9	100.0
Carroll	9,043	592	6.5%	R	1	592:1	72.5	95.4	100.0
Carter	6,258	830	13.3%	R	1	830:1	44.2	94.6	100.0
Cass	100,889	3,613	3.6%	B	1	3613:1	50.8	97.8	100.0
Cedar	13,952	1,380	9.9%	R	2	690:1	57.2	84.3	100.0
Chariton	7,694	645	8.4%	R	0	0	0.0	14.7	59.4
Christian	82,101	3,522	4.3%	B	1	3522:1	77.8	99.5	100.0
Clark	6,917	382	5.5%	R	1	382:1	77.7	100.0	100.0
Clay	233,682	7,795	3.3%	B	4	1949:1	96.7	100.0	100.0
Clinton	20,299	558	2.7%	R	0	0	2.7	71.3	100.0
Cole	76,557	3,578	4.7%	B	3	1193:1	88.0	98.8	100.0
Cooper	17,585	1,064	6.1%	R	0	0	0.0	66.9	87.9
Crawford	24,650	1,910	7.7%	R	0	0	18.7	54.5	100.0
Dade	7,628	552	7.2%	R	0	0	0.0	12.7	100.0
Dallas	16,389	1,339	8.2%	R	0	0	0.0	60.6	99.0
Daviess	8,297	451	5.4%	R	0	0	1.3	43.7	100.0
DeKalb	12,692	841	6.6%	R	1	841:1	72.9	96.1	100.0
Dent	15,655	1,527	9.8%	R	1	1527:1	75.0	90.2	100.0
Douglas	13,546	1,057	7.8%	R	0	0	0.0	3.9	64.8
Dunklin	31,344	4,384	14.0%	R	3	1461:1	84.4	94.0	99.5
Franklin	102,084	5,445	5.3%	B	3	1815:1	64.4	100.0	100.0
Gasconade	14,866	950	6.4%	R	1	950:1	22.7	40.0	100.0
Gentry	6,826	436	6.4%	R	1	436:1	53.2	81.4	100.0
Greene	285,865	17,632	6.2%	U	9	1959:1	88.7	98.5	100.0
Grundy	10,197	747	7.3%	R	1	747:1	86.5	99.2	100.0
Harrison	8,639	654	7.6%	R	1	654:1	67.9	96.0	100.0
Henry	22,028	1,945	8.8%	R	1	1945:1	60.7	83.9	100.0
Hickory	9,219	707	7.7%	R	0	0	0.0	21.6	100.0
Holt	4,516	237	5.2%	R	0	0	5.5	22.8	98.7
Howard	10,159	721	7.1%	R	1	721:1	52.4	100.0	100.0

DEMOGRAPHICS				HOME HEALTH AGENCIES					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Howell	40,173	4,233	10.5%	R	4	1058:1	70.4	99.1	100.0
Iron	10,267	1,297	12.6%	R	1	1297:1	56.9	86.6	100.0
Jackson	683,191	39,120	5.7%	U	14	2794:1	98.8	100.0	100.0
Jasper	117,543	6,762	5.8%	B	1	6762:1	66.6	98.4	100.0
Jefferson	222,716	8,948	4.0%	B	2	4474:1	77.6	100.0	100.0
Johnson	54,362	1,813	3.3%	R	1	1813:1	62.5	100.0	100.0
Knox	4,000	239	6.0%	R	1	239:1	72.0	96.2	100.0
Laclede	35,439	2,947	8.3%	R	1	2947:1	73.3	95.7	100.0
Lafayette	32,688	1,758	5.4%	R	1	1758:1	46.2	92.4	100.0
Lawrence	38,023	1,446	3.8%	R	1	1446:1	65.0	100.0	100.0
Lewis	10,138	605	6.0%	R	1	605:1	19.3	98.5	100.0
Lincoln	54,249	2,774	5.1%	R	1	2774:1	63.4	94.7	100.0
Linn	12,311	777	6.3%	R	0	0	0.0	0.0	9.4
Livingston	15,053	995	6.6%	R	0	0	0.0	24.4	100.0
Macon	15,479	1,019	6.6%	R	0	0	0.0	21.3	93.4
Madison	12,368	1,246	10.1%	R	1	1246:1	77.4	97.1	100.0
Maries	9,013	428	4.7%	R	0	0	2.3	40.2	100.0
Marion	28,920	2,595	9.0%	R	1	2595:1	83.7	97.6	100.0
McDonald	22,800	1,668	7.3%	R	0	0	0.0	1.3	34.4
Mercer	3,719	216	5.8%	R	0	0	0.0	2.3	84.3
Miller	25,141	1,851	7.4%	R	1	1851:1	31.0	97.6	100.0
Mississippi	14,232	1,717	12.1%	R	0	0	7.1	87.4	100.0
Moniteau	15,856	680	4.3%	R	0	0	0.0	51.6	75.0
Monroe	8,707	331	3.8%	R	1	331:1	67.4	100.0	100.0
Montgomery	11,841	852	7.2%	R	1	852:1	61.4	100.0	100.0
Morgan	20,240	1,814	9.0%	R	0	0	3.1	28.4	87.1
New Madrid	18,272	2,080	11.4%	R	0	0	15.0	65.7	100.0
Newton	58,598	4,852	8.3%	B	2	2426:1	50.1	92.3	100.0
Nodaway	23,081	884	3.8%	R	1	884:1	63.9	95.6	100.0
Oregon	10,911	1,260	11.5%	R	0	0	0.0	7.9	100.0
Osage	13,703	426	3.1%	R	0	0	0.0	29.3	100.0
Ozark	9,492	796	8.4%	R	0	0	0.0	4.8	39.8
Pemiscot	17,650	2,551	14.5%	R	1	2551:1	72.0	100.0	100.0
Perry	19,202	1,094	5.7%	R	1	1094:1	78.4	99.9	100.0
Pettis	42,225	3,067	7.3%	R	0	0	0.0	4.4	73.7
Phelps	44,847	3,019	6.7%	R	3	1006:1	79.4	99.1	100.0
Pike	18,541	1,114	6.0%	R	1	1114:1	52.0	98.7	100.0
Platte	94,788	2,175	2.3%	B	2	1088:1	76.7	96.5	100.0
Polk	31,054	2,299	7.4%	R	1	2299:1	57.0	100.0	100.0
Pulaski	53,436	2,275	4.3%	R	1	2275:1	29.5	99.2	100.0
Putnam	4,829	365	7.6%	R	0	0	0.0	14.0	84.9
Ralls	10,255	650	6.3%	R	1	650:1	25.5	74.6	100.0
Randolph	25,072	1,948	7.8%	R	2	974:1	89.2	100.0	100.0

DEMOGRAPHICS				HOME HEALTH AGENCIES					
County	Total Population	Eligibles	% Medicaid	County Type Urban Basic Rural	Providers	Ratio	Distance 1 provider within 10 miles	Distance 1 provider within 20 miles	Distance 1 provider within 30 miles
Ray	22,949	1,044	4.5%	R	1	1044:1	83.1	100.0	100.0
Reynolds	6,565	621	9.5%	R	1	621:1	44.9	75.8	100.0
Ripley	13,969	1,826	13.1%	R	2	913:1	77.4	99.7	100.0
Saline	23,347	1,603	6.9%	R	1	1603:1	70.9	90.3	100.0
Schuyler	4,370	296	6.8%	R	1	296:1	87.2	100.0	100.0
Scotland	4,863	224	4.6%	R	1	224:1	76.8	100.0	100.0
Scott	38,903	4,380	11.3%	R	1	4380:1	71.6	97.7	100.0
Shannon	8,329	882	10.6%	R	1	882:1	20.1	100.0	100.0
Shelby	6,108	419	6.9%	R	0	0	0.0	50.6	100.0
St. Charles	379,493	9,085	2.4%	U	5	1817:1	97.5	100.0	100.0
St. Clair	9,457	717	7.6%	R	0	0	0.0	36.3	100.0
St. Francois	65,960	6,074	9.2%	B	4	1519:1	85.1	100.0	100.0
St. Louis Co.	1,001,876	52,150	5.2%	U	28	1863:1	99.5	100.0	100.0
St. Louis City	3,171,419	39,585	1.2%	U	3	13195:1	100.0	100.0	100.0
Ste. Genevieve	17,914	884	4.9%	R	1	884:1	54.8	100.0	100.0
Stoddard	29,867	3,054	10.2%	R	2	1527:1	65.5	90.8	100.0
Stone	31,104	1,633	5.3%	R	0	0	8.1	76.4	100.0
Sullivan	6,411	474	7.4%	R	0	0	0.0	7.2	68.4
Taney	54,230	3,530	6.5%	R	1	3530:1	81.6	98.3	99.8
Texas	25,642	2,073	8.1%	R	1	2073:1	31.1	91.2	100.0
Vernon	21,001	1,672	8.0%	R	1	1672:1	79.8	99.0	100.0
Warren	33,253	1,574	4.7%	R	0	0	2.8	80.9	100.0
Washington	25,077	2,632	10.5%	R	0	0	5.4	68.0	100.0
Wayne	13,452	1,785	13.3%	R	0	0	6.6	58.7	98.2
Webster	36,888	2,495	6.8%	R	0	0	8.2	36.8	97.1
Worth	2,073	127	6.1%	R	0	0	0.0	59.8	100.0
Wright	18,291	2,195	12.0%	R	0	0	0.0	7.7	68.9
<b>TOTAL:</b>	<b>6,063,589</b>	<b>367,549</b>			<b>163</b>	2255:1	<b>74.5</b>	<b>90.9</b>	<b>98.5</b>

## Data to Assess Access: Fee-for-service Utilization Review

The MHD performed a utilization review of FFS participants accessing provider services by county type (urban, basic and rural) in Missouri during CY2015 and CY2016.

Areas of review include:

1. Primary Care services (including those provided by a physician, FQHC, clinic or dental care);
2. Physician specialist services (including cardiology, radiology, neurology, ophthalmology, urology/nephrology and all other specialty services);
3. Behavioral health services (including mental health and substance use disorder);
4. Pre- and post-natal obstetric services including labor and delivery; and
5. Home health services.

No provider specialties were omitted for provider types of MD, DO, Nurse Practitioners and Physician Assistants. If the provider specialty type does not fall in the categories listed above they are combined into an “other specialty” category.

Medical, outpatient and dental claim types were reviewed for the measure of utilization of services. Provider specialties were reviewed at the billing and performing levels and prioritized as follows (in other words, if someone has two specialties such as psychiatry and primary care they are placed in the psychiatry group):

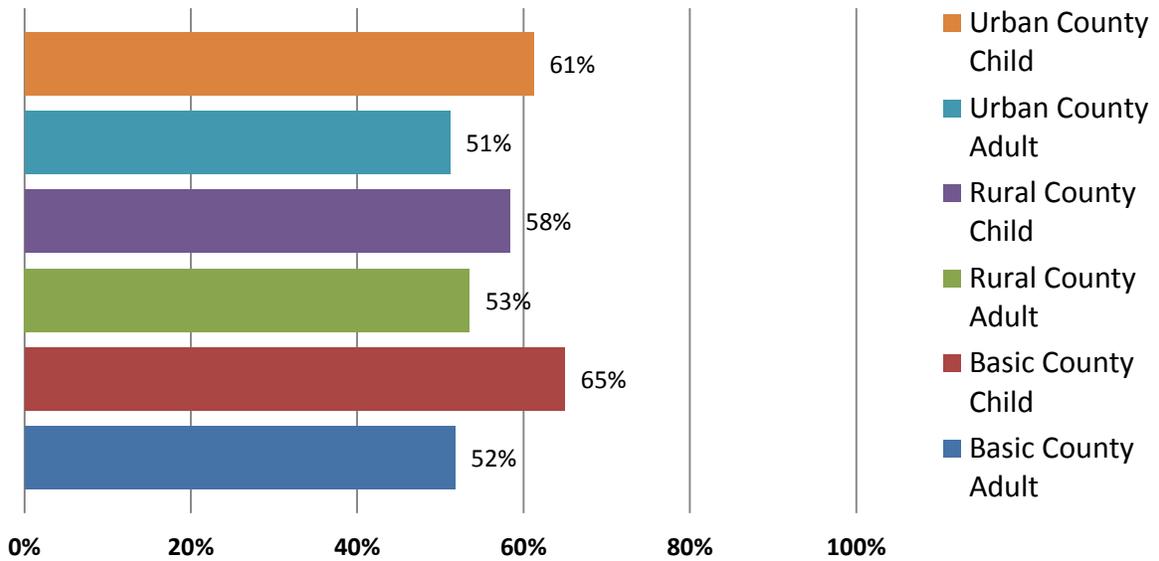
- Psychiatry
- OB/GYN
- Primary Care
- Cardiology
- Neurology
- Ophthalmology
- Urology/Nephrology
- Radiology
- Other Specialty

Clinics were queried to look at appropriate billing provider specialties when there was no performing provider present on the claim.

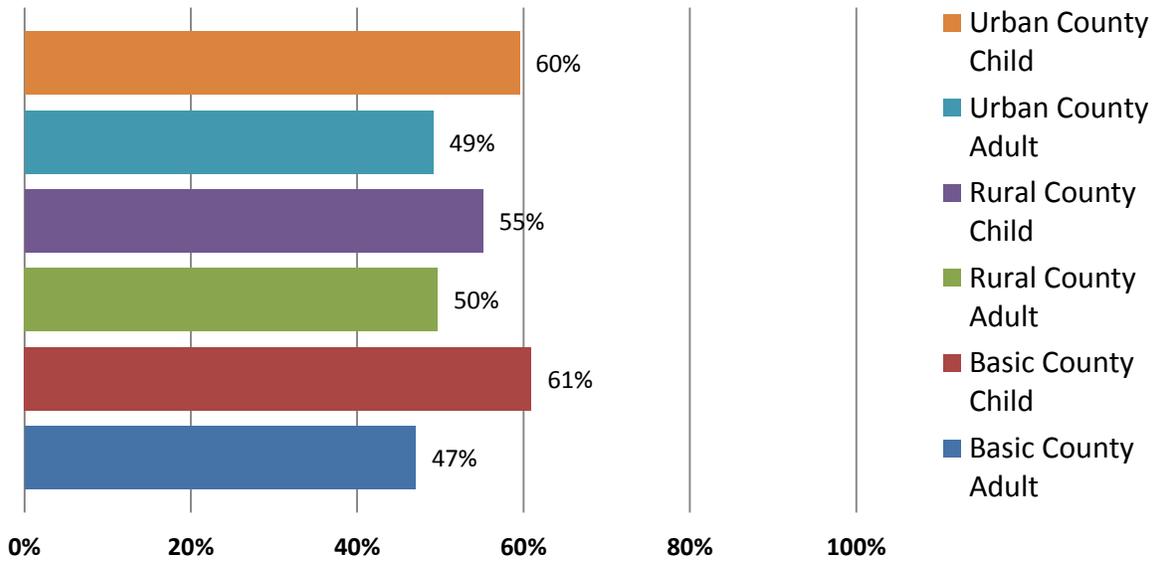
Gateway, inpatient, NEMT, ambulance, Managed Care, Medicare crossover, hospice, and nursing home claims are not included in this analysis.

The following charts reflect the number of participants with at least one claim by provider type during the measurement year. Child is defined as ages 0-20 and adult as ages 21 and greater.

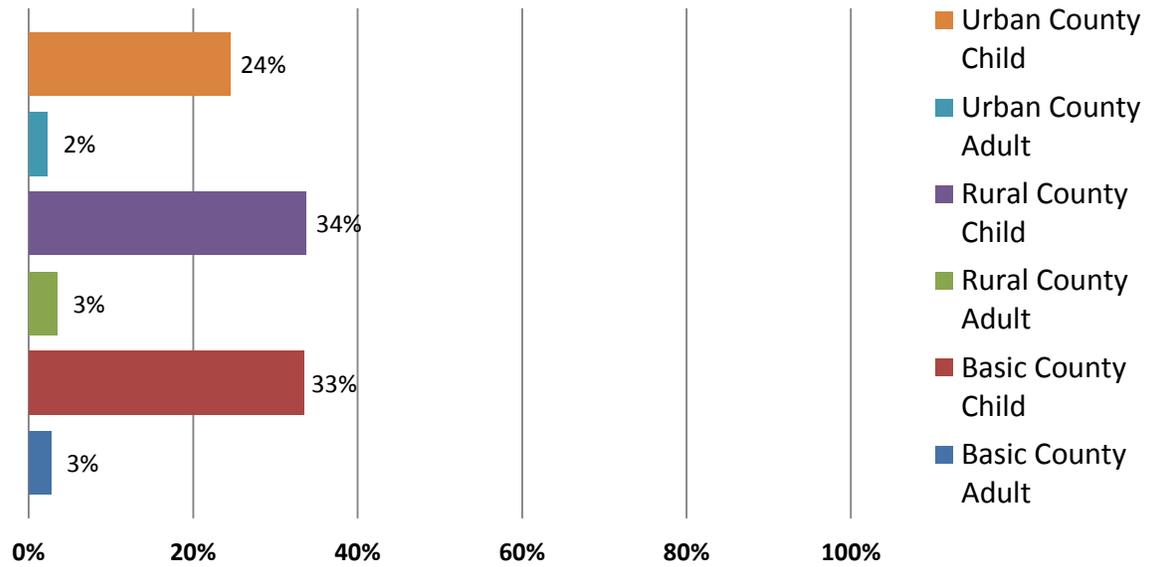
**Figure 13: CY2015 Utilization Rates for Primary Care**



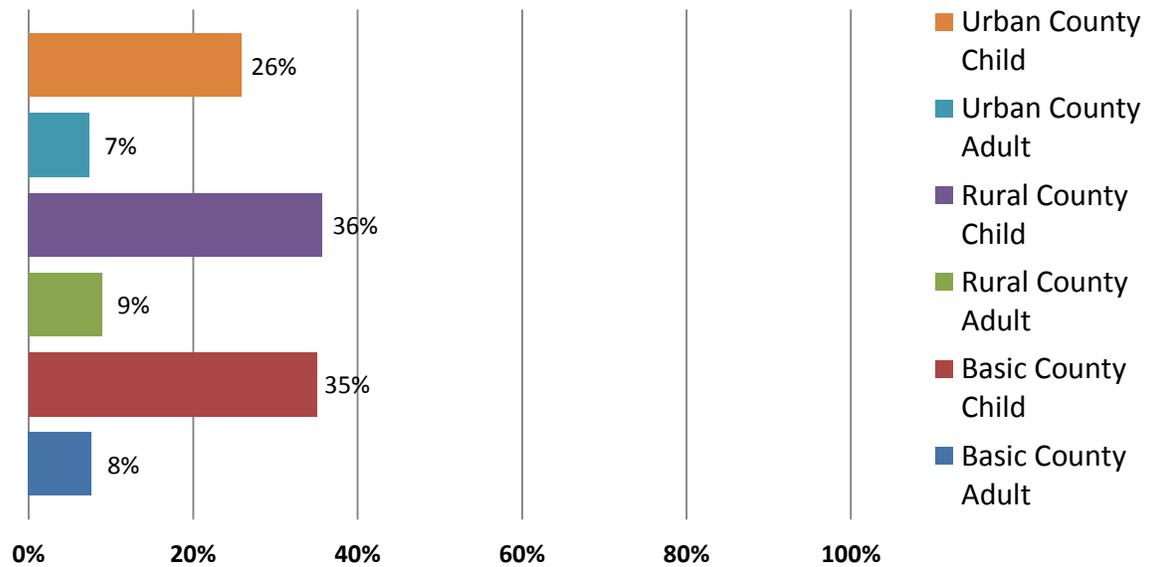
**Figure 14: CY2016 Utilization Rates for Primary Care**



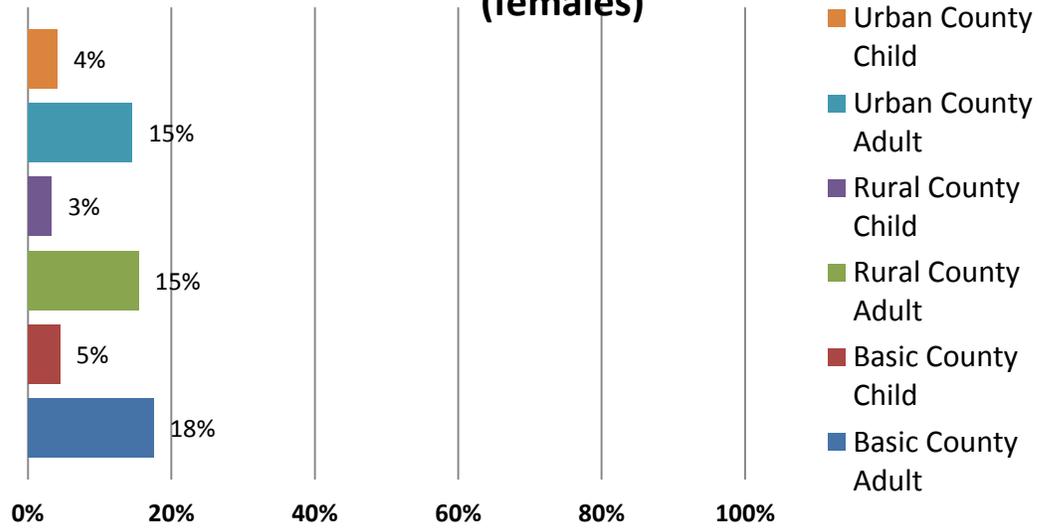
**Figure 15: CY2015 Utilization Rates for Dentists**



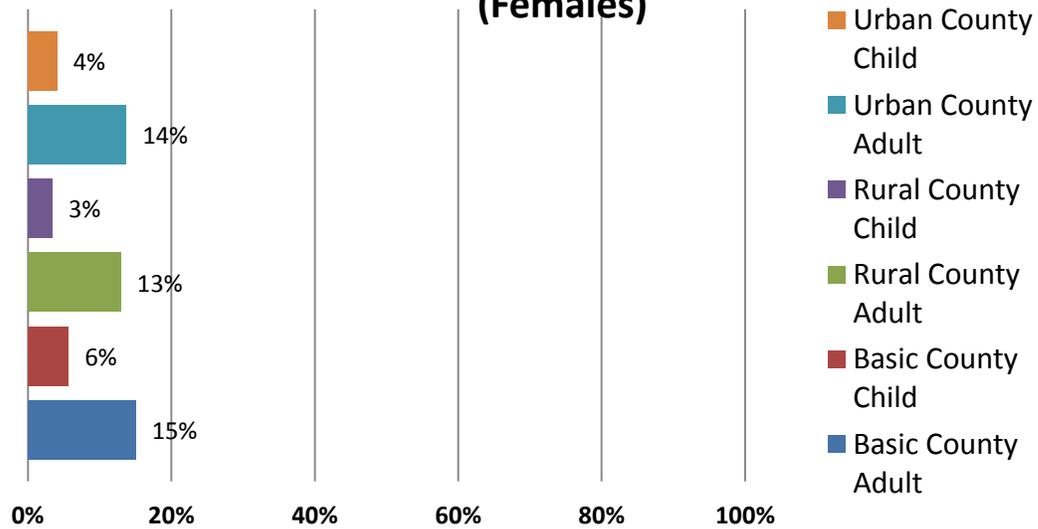
**Figure 16: CY2016 Utilization Rates for Dentists**



**Figure 17: CY2015 Utilization Rates for OB/GYN  
(females)**

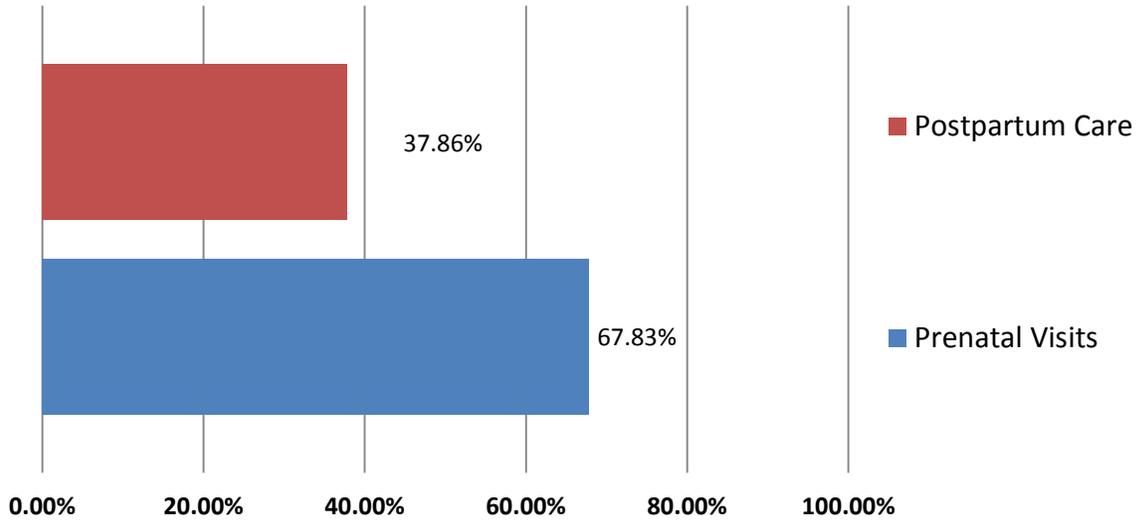


**Figure 18: CY2016 Utilization Rates for OB/GYN  
(Females)**

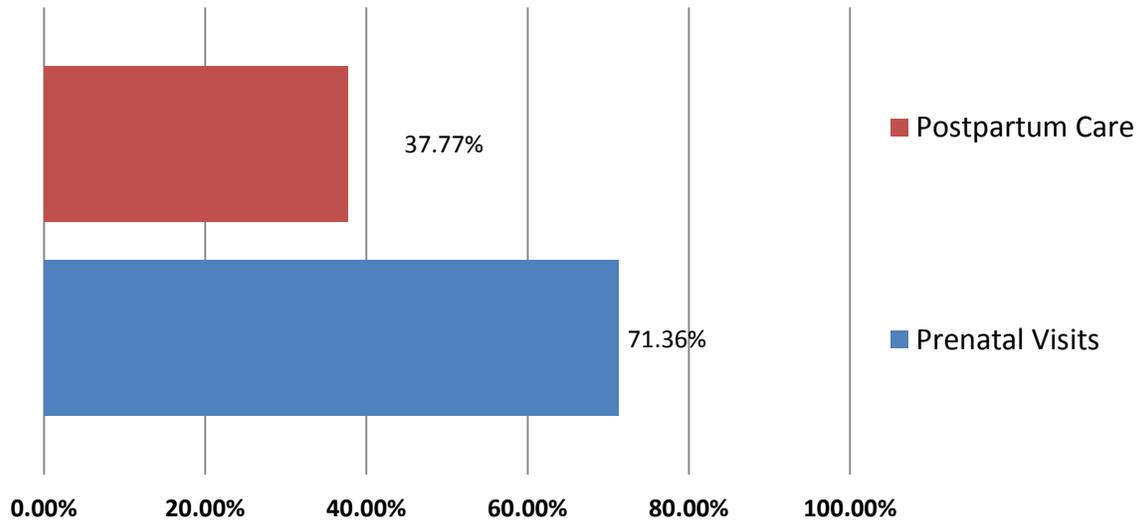


An additional analysis using HEDIS-Like methodology for Prenatal and Postpartum Care was also used to measure obstetric care of the FFS population.

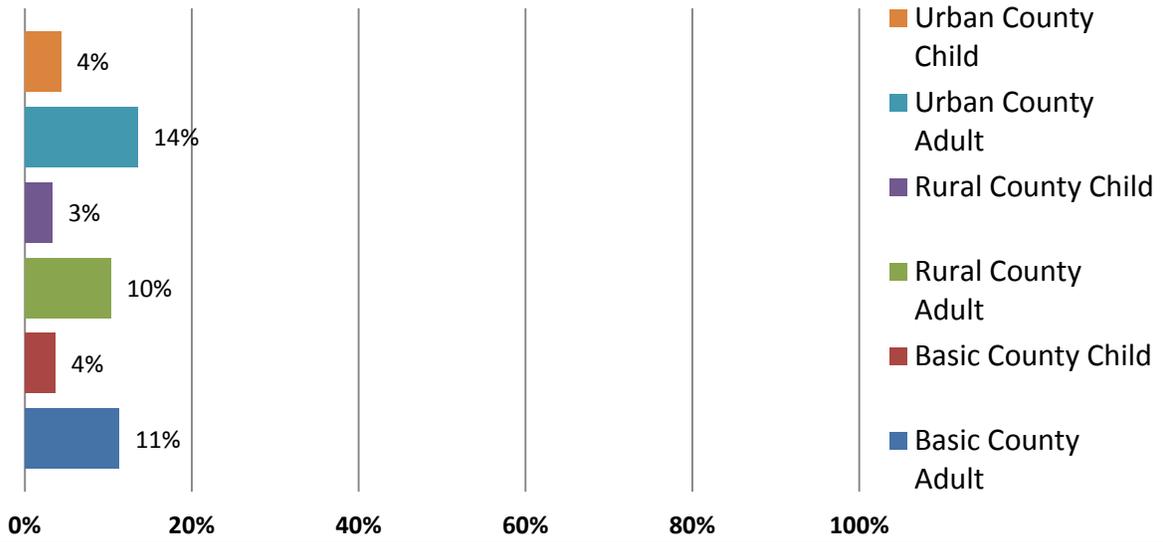
**Figure 19: CY2015 HEDIS-Like Prenatal and Postpartum Care**



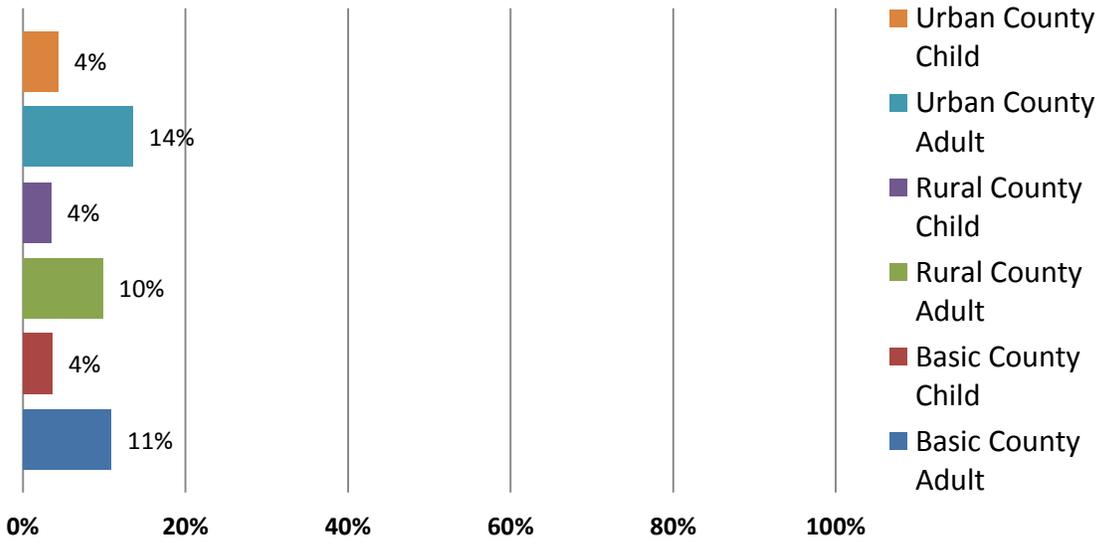
**Figure 20: CY2016 HEDIS-Like Prenatal and Postpartum Care**



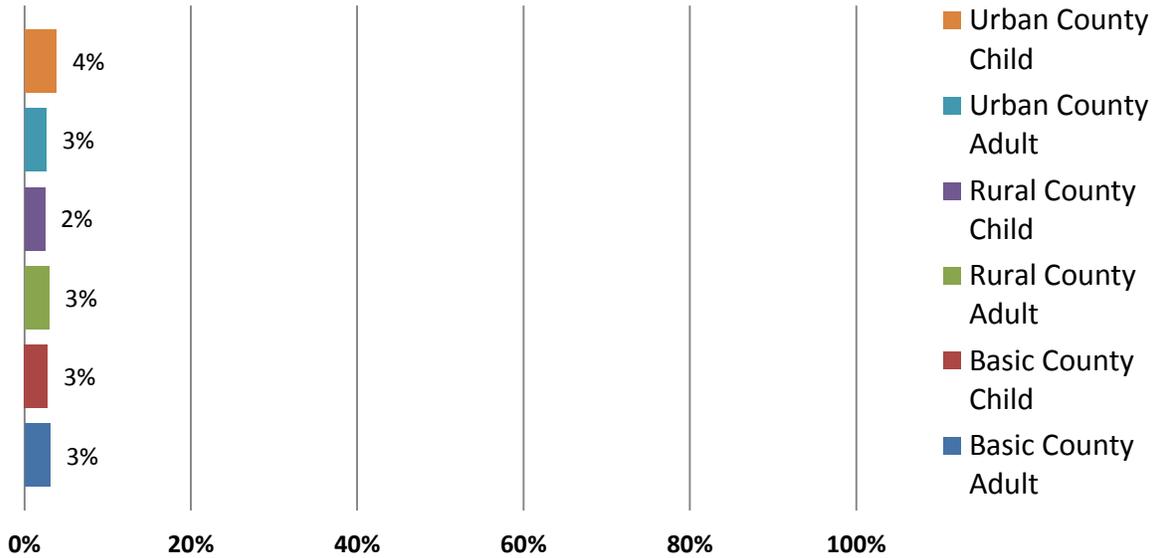
**Figure 21: CY2015 Utilization Rates for Psychiatry**



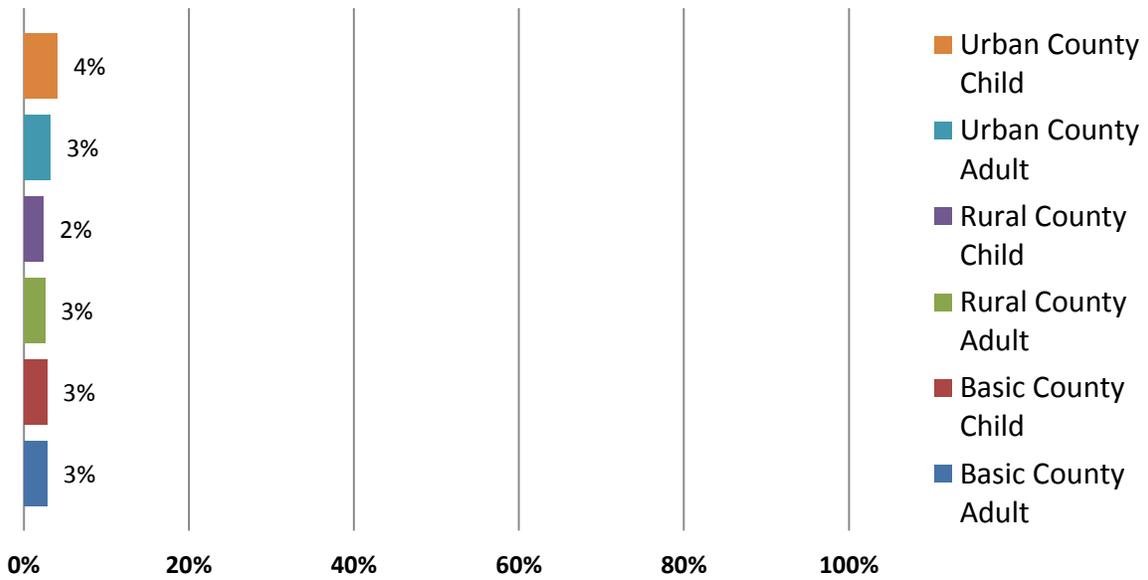
**Figure 22: CY2016 Utilization Rates for Psychiatry**



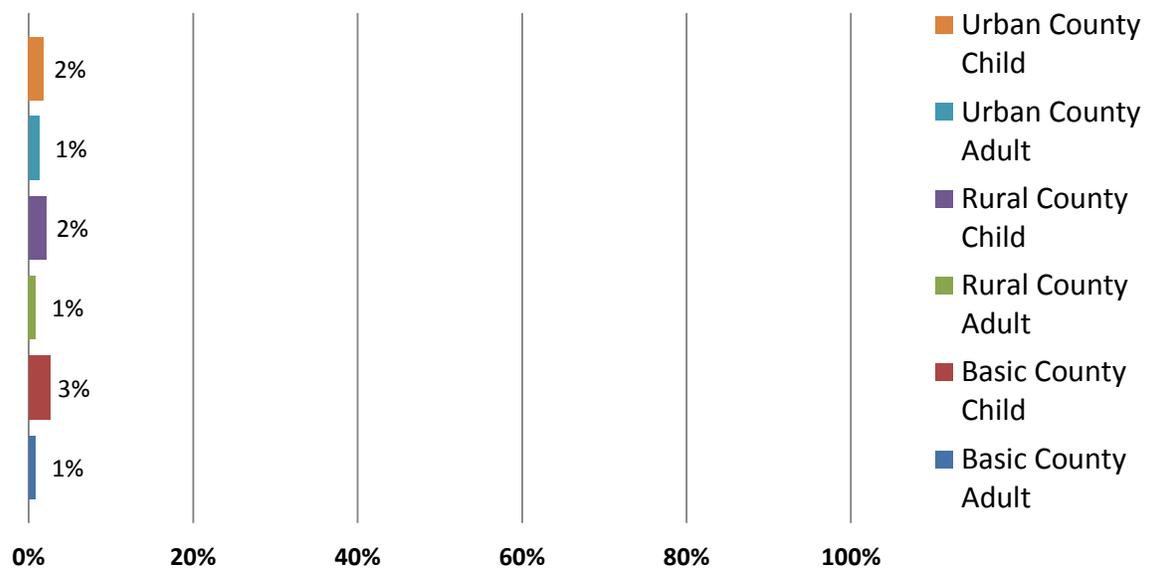
**Figure 23: CY2015 Utilization Rates for Psychologists**



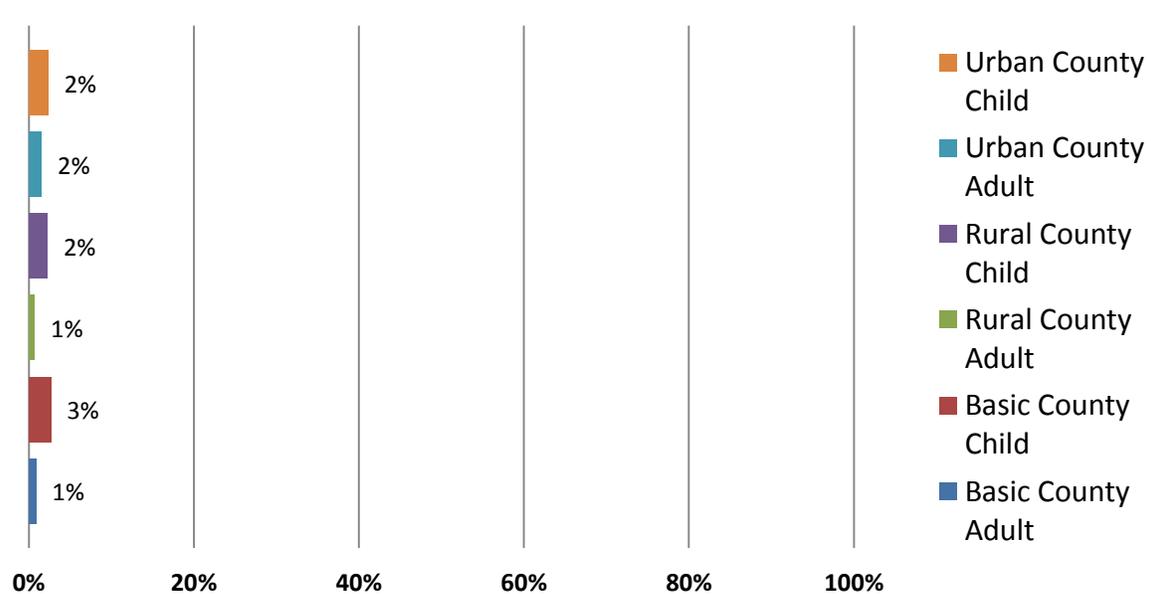
**Figure 24: CY2016 Utilization Rates for Psychologist**



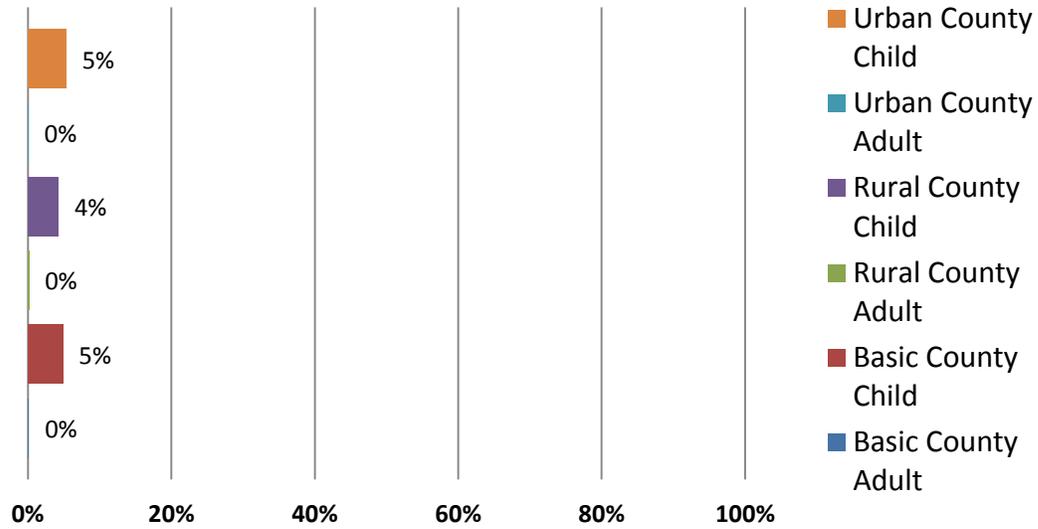
**Figure 25: CY2015 Utilization Rates for LCSW**



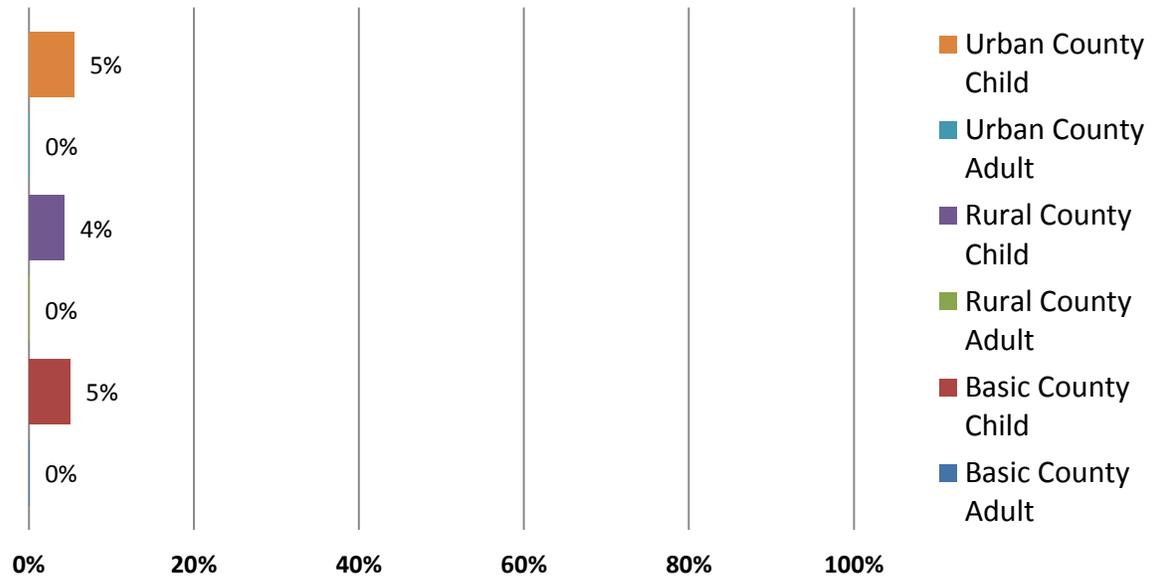
**Figure 26: CY2016 Utilization Rates for LCSW**



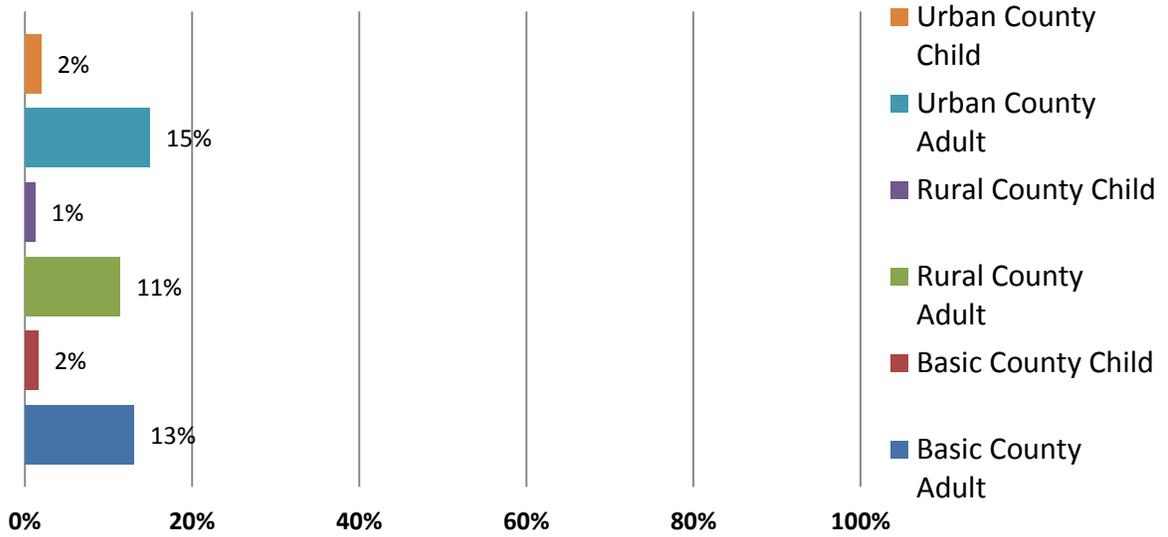
**Figure 27: CY2015 Utilization Rates LPC**



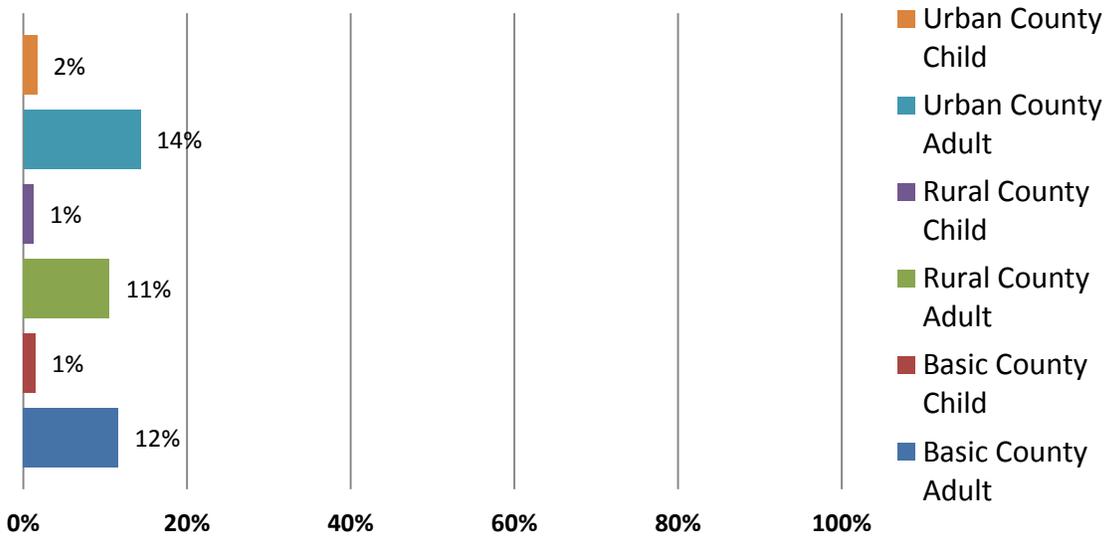
**Figure 28: CY2016 Utilization Rates for LPC**



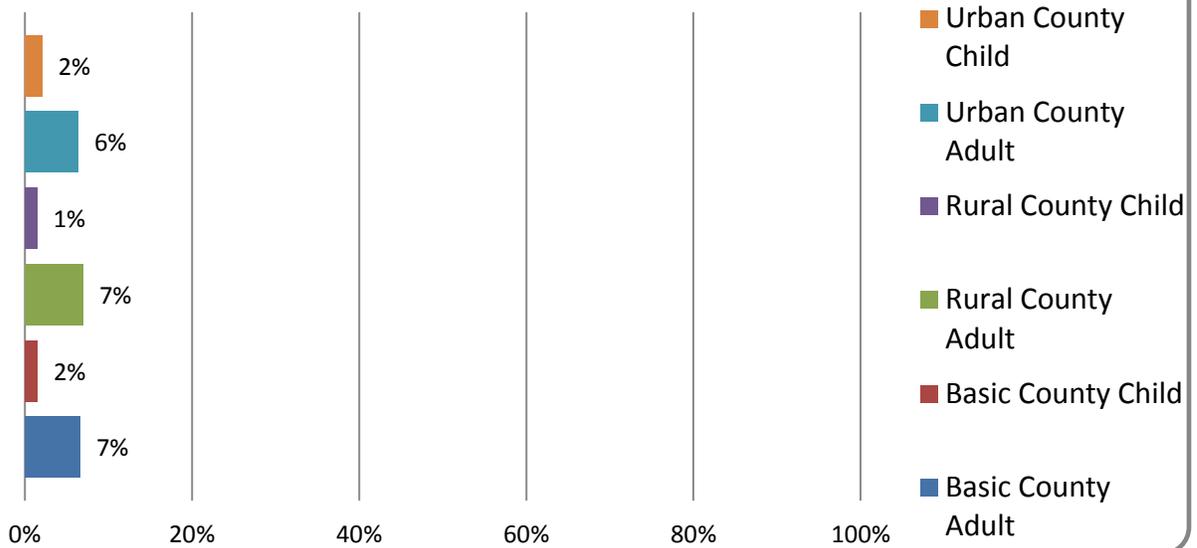
**Figure 29: CY2015 Utilization Rates for Cardiology**



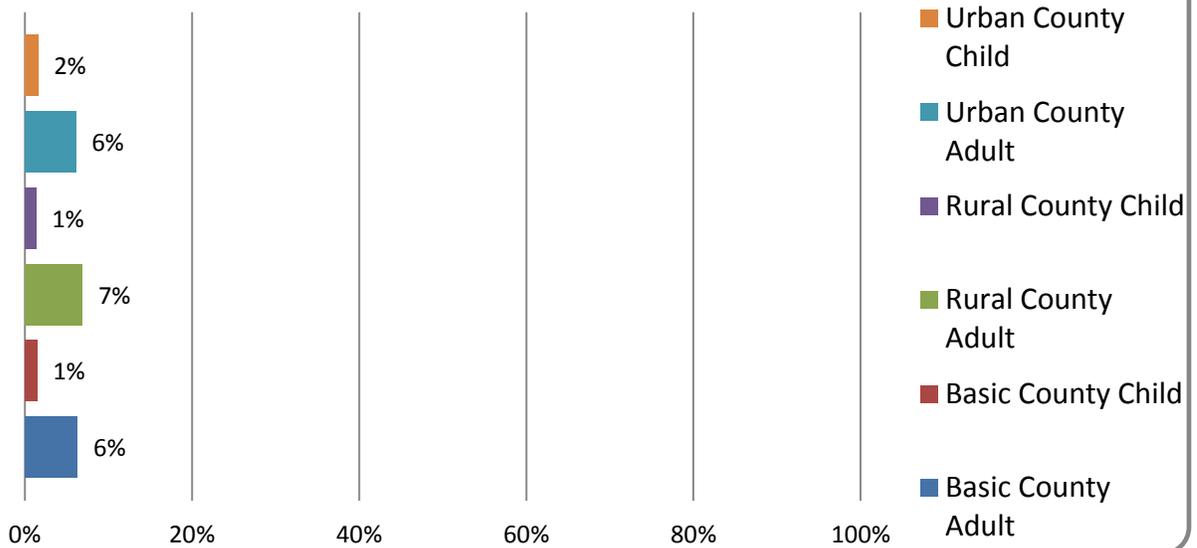
**Figure 30: CY2016 Utilization Rates for Cardiology**



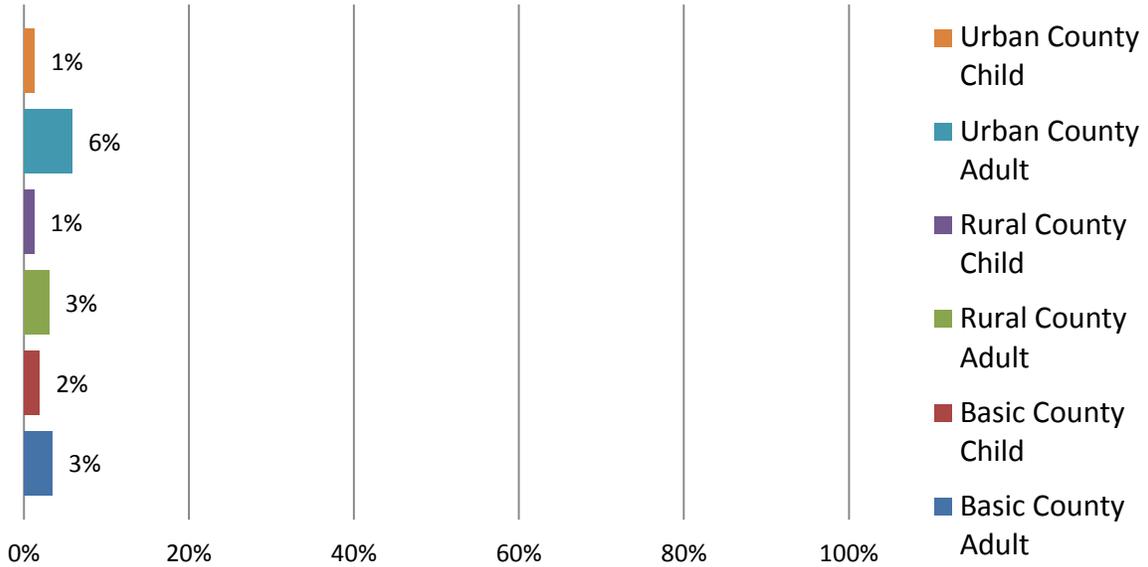
**Figure 31: CY2015 Utilization Rates for Neurology**



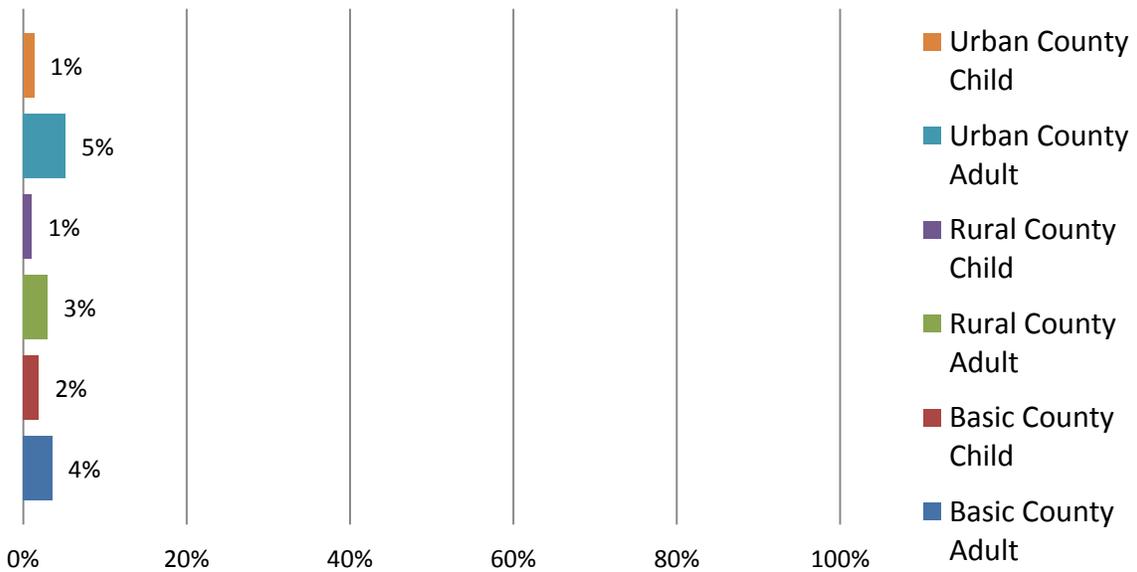
**Figure 32: CY2016 Utilization Rates for Neurology**



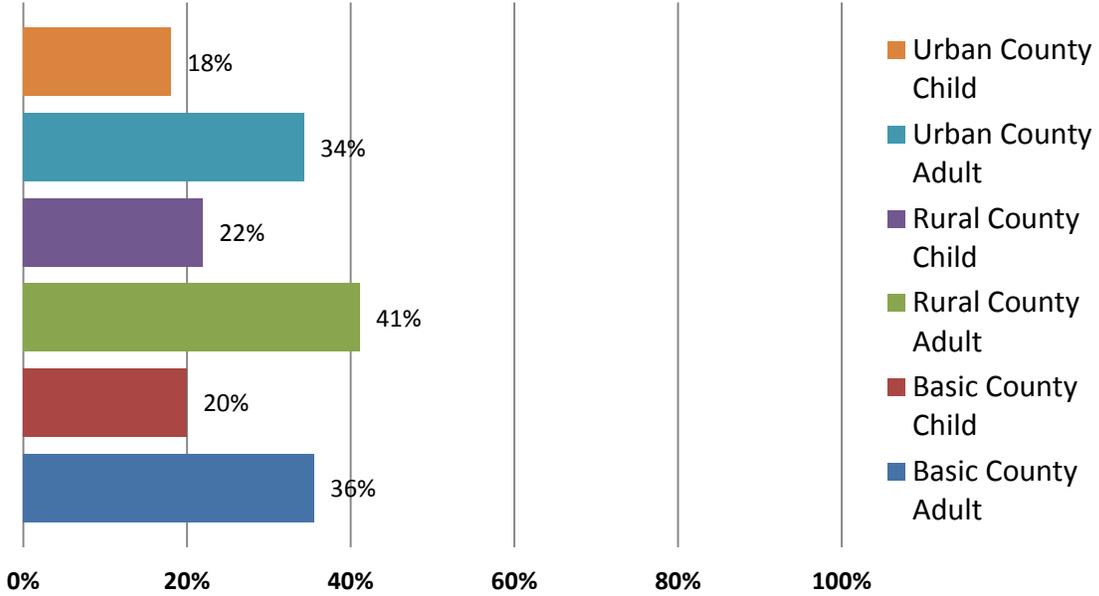
**Figure 33: CY2015 Utilization Rates for Ophthalmology**



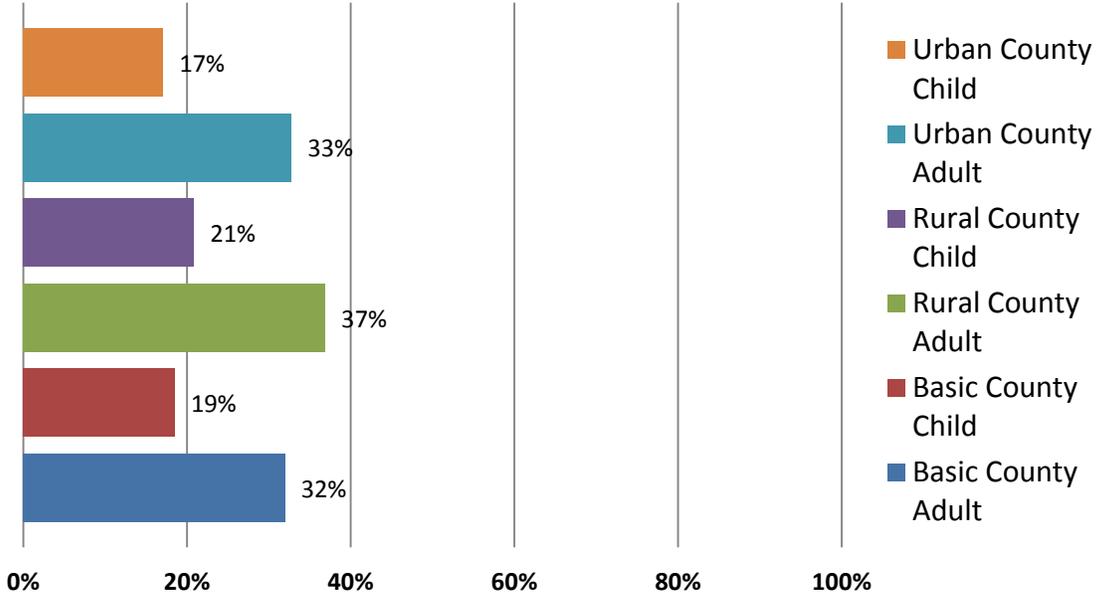
**Figure 34: CY2106 Utilization Rates for Ophthalmology**



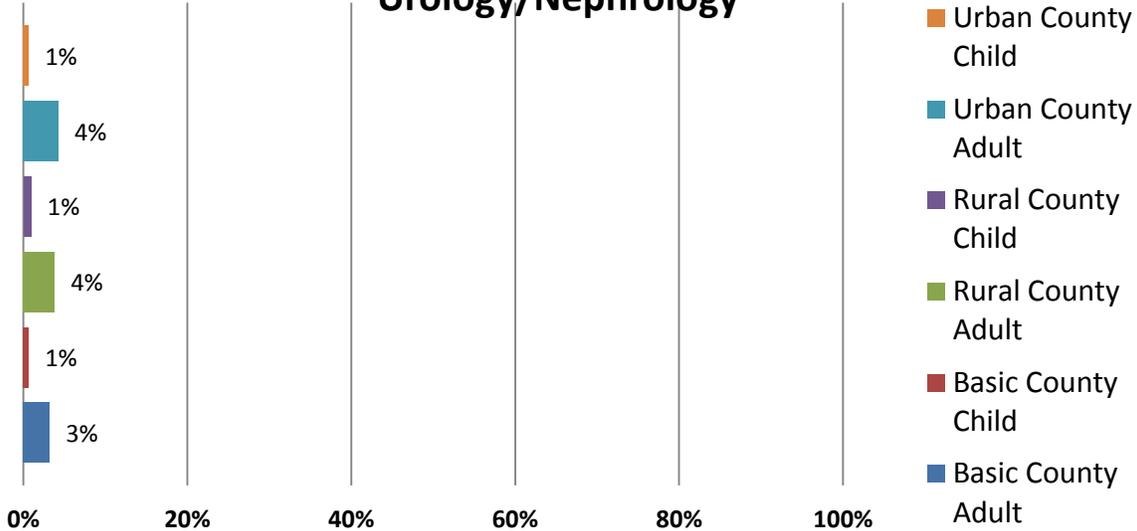
**Figure 35: CY2015 Utilization Rates for Radiology**



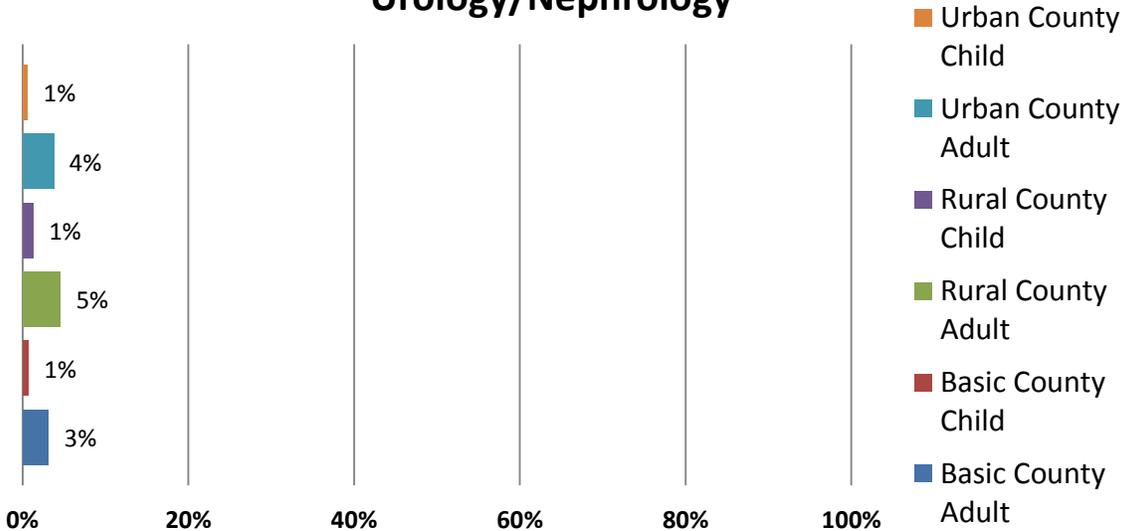
**Figure 36: CY2016 Utilization Rates for Radiology**



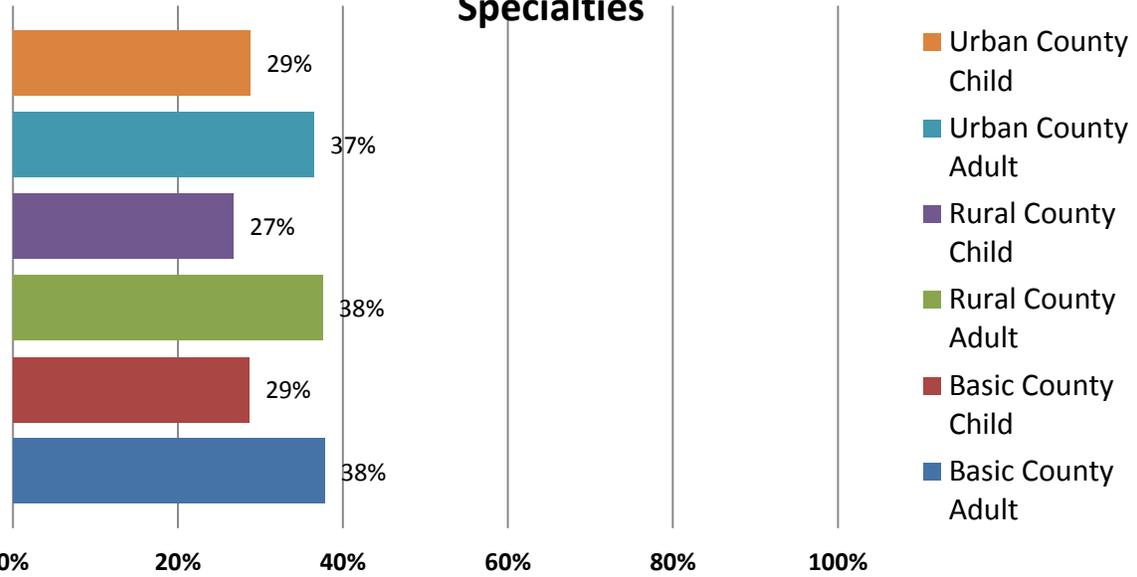
**Figure 37: CY2015 Utilization Rates for Urology/Nephrology**



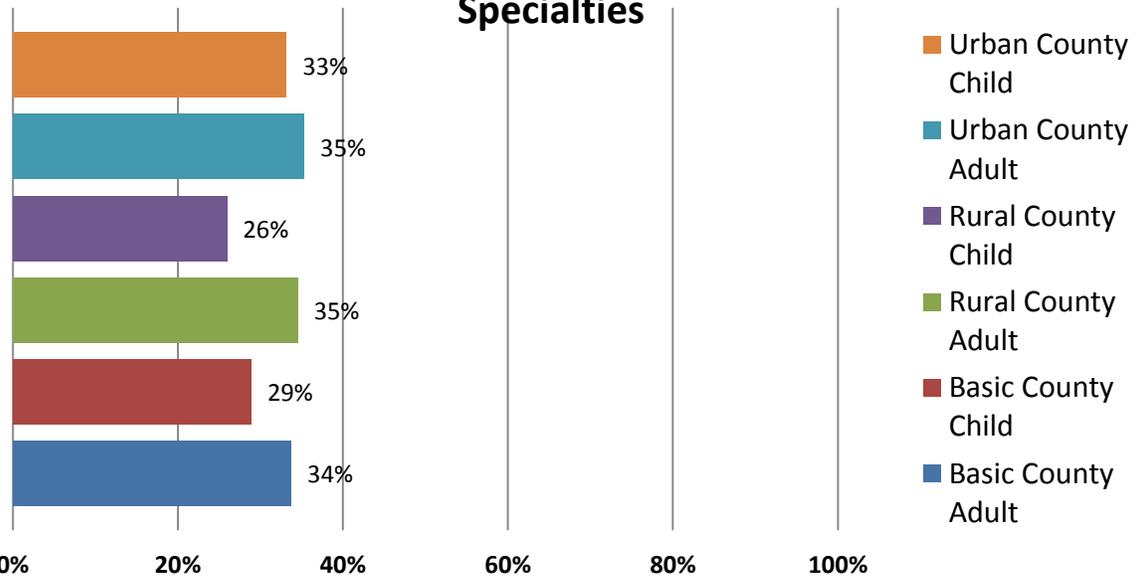
**Figure 38: CY2016 Utilization Rates for Urology/Nephrology**



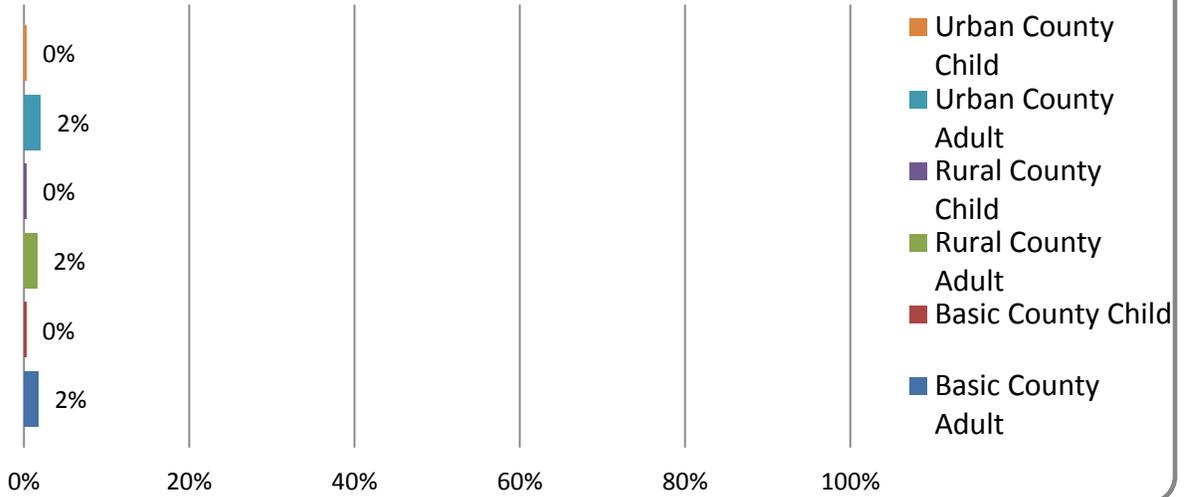
**Figure 39: CY2015 Utilization Rates for Other Specialties**



**Figure 40: CY2016 Utilization Rates for Other Specialties**



**Figure 41: CY2015 Utilization Rates for Home Health**



**Figure 42: CY2016 Utilization Rates for Home Health**

