



**Medi-Cal Access to Care
Quarterly Monitoring Report #10
2014 Quarter 1**

Service Utilization

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Contents

Figures.....	vi
Tables.....	xii
Key Points	1
Introduction	1
Background	2
Assembly Bill 97	2
Medi-Cal Enrollment Transitions.....	2
Implementation of the Affordable Care Act.....	2
Expansion of Medi-Cal Managed Care	2
Healthy Families Transition	4
Determinants of Service Utilization.....	4
Perceived Health Status.....	4
Attitude Towards the Health Care System	4
Health Insurance Coverage.....	4
Urban Versus Rural Community.....	4
Preexisting Health Conditions.....	4
Utilization Paradigms	4
Paradigm One.....	4
Paradigm Two	5
Paradigm Three.....	5
Methods.....	5
Physician/Clinic Services	8
Background.....	8
Trend Analysis – Children.....	9
Trend Analysis – Adults.....	9
Trends of Monthly Physician/Clinic Services Utilization Rates among Children, April 2013– March 2014.....	10
Trends of Monthly Physician/Clinic Services Utilization Rates among Adults, April 2013–March 2014	14
Non-Emergency Medical Transportation	17

Background..... 17

Trend Analysis – Children..... 18

Trend Analysis – Adults..... 18

Trends of Monthly Non-Emergency Medical Transportation Services Utilization Rates among Adults, April 2013–March 2014 19

Emergency Medical Transportation 21

 Background..... 21

 Trend Analysis – Children..... 22

 Trend Analysis – Adults..... 22

 Trends of Monthly Emergency Medical Transportation Services Utilization Rates among Children, April 2013–March 2014 23

 Trends of Monthly Emergency Transportation Services Utilization Rates among Adults, April 2013–March 2014..... 26

Home Health Services 29

 Background..... 29

 Trend Analysis – Children..... 30

 Trend Analysis – Adults..... 30

 Trends of Monthly Home Health Services Utilization Rates among Children, April 2013–March 2014 31

 Trends of Monthly Home Health Services Utilization Rates among Adults, April 2013–March 2014 32

Hospital Inpatient Services..... 33

 Background..... 33

 Trend Analysis – Children..... 34

 Trend Analysis – Adults..... 34

 Trends of Monthly Hospital Inpatient Services Utilization Rates among Children, April 2013–March 2014..... 35

 Trends of Monthly Hospital Inpatient Services Utilization Rates among Adults, April 2013–March 2014..... 38

Hospital Outpatient Services 41

 Background..... 41

 Trend Analysis – Children..... 41

Trend Analysis – Adults.....	41
Trends of Monthly Hospital Outpatient Services Utilization Rates among Children, April 2013– March 2014.....	42
Trends of Monthly Hospital Outpatient Services Utilization Rates among Adults, April 2013– March 2014.....	46
Nursing Facility Services	49
Background.....	49
Trend Analysis – Children.....	50
Trend Analysis – Adults.....	50
Trends of Monthly Nursing Facility Services Utilization Rates among Adults, April 2013–March 2014	51
Pharmacy Services	53
Background.....	53
Trend Analysis – Children.....	54
Trend Analysis – Adults.....	54
Trends of Monthly Pharmacy Services Utilization Rates among Children, April 2013–March 2014	55
Trends of Monthly Pharmacy Services Utilization Rates among Adults, April 2013–March 2014	59
Other Services	62
Background.....	62
Trend Analysis – Children.....	63
Trend Analysis – Adults.....	63
Trends of Monthly Other Services Utilization Rates among Children, April 2013–March 2014	64
Trends of Monthly Other Services Utilization Rates among Adults, April 2013–March 2014	68
Radiology Services	71
Background.....	71
Trend Analysis – Children.....	72
Trend Analysis – Adults.....	72
Trends of Monthly Radiology Services Utilization Rates among Children, April 2013–March 2014	73

Trends of Monthly Radiology Services Utilization Rates among Adults,
 April 2013–March 2014 77

Summary Tables 80

Conclusions – Service Utilization among Children Participating in FFS Medi-Cal Only 83

Conclusions – Service Utilization among Adults Participating in FFS Medi-Cal Only 84

Appendix A – Detailed List of Other Providers 85

Appendix B – Utilization Rate Tables 87

 Physician Clinic Visits 87

 Non-Emergency Medical Transportation Services 91

 Emergency Medical Transportation Services 92

 Home Health Services 95

 Hospital Inpatient Services 96

 Hospital Outpatient Services 100

 Nursing Facility Services 104

 Pharmacy Services 105

 Other Services 109

 Radiology Services 113

Appendix C – Medi-Cal Aid Codes 117

Figures

Figure SU-1: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014.....	10
Figure SU-2: Physician/Clinic Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014.....	10
Figure SU-3: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014	11
Figure SU-4: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	11
Figure SU-5: Physician/Clinic Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014.....	12
Figure SU-6: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014.....	12
Figure SU-7: Physician/Clinic Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014.....	13
Figure SU-8: Physician/Clinic Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	14
Figure SU-9: Physician/Clinic Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	14
Figure SU-10: Physician/Clinic Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014.....	15
Figure SU-11: Physician/Clinic Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014.....	15
Figure SU-12: Physician/Clinic Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014	16
Figure SU-13: Non-Emergency Transportation Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	19
Figure SU-14: Non-Emergency Transportation Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014	19
Figure SU-15: Non-Emergency Transportation Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014.....	20
Figure SU-16: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014	23
Figure SU-17: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014.....	23

Figure SU-18: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	24
Figure SU-19: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014	24
Figure SU-20: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014	25
Figure SU-21: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	26
Figure SU-22: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	26
Figure SU-23: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014	27
Figure SU-24: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014	27
Figure SU-25: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014	28
Figure SU-26: Home Health Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	31
Figure SU-27: Home Health Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014	31
Figure SU-28: Home Health Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014	32
Figure SU-29: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014	35
Figure SU-30: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014.....	35
Figure SU-31: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014.....	36
Figure SU-32: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014	36
Figure SU-33: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014.....	37
Figure SU-34: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014.....	37

Figure SU-35: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	38
Figure SU-36: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	38
Figure SU-37: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014.....	39
Figure SU-38: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014.....	39
Figure SU-39: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014	40
Figure SU-40: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014	42
Figure SU-41: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014.....	42
Figure SU-42: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014.....	43
Figure SU-43: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014	43
Figure SU-44: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014	44
Figure SU-45: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014	44
Figure SU-46: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014.....	45
Figure SU-47: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	46
Figure SU-48: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	46
Figure SU-49: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014.....	47
Figure SU-50: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014.....	47
Figure SU-51: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014.....	48

Figure SU-52: Nursing Facility Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	51
Figure SU-53: Nursing Facility Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014.....	51
Figure SU-54: Nursing Facility Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014.....	52
Figure SU-55: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014.....	55
Figure SU-56: Pharmacy Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014	55
Figure SU-57: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014	56
Figure SU-58: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	56
Figure SU-59: Pharmacy Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014	57
Figure SU-60: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014.....	57
Figure SU-61: Pharmacy Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014.....	58
Figure SU-62: Pharmacy Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	59
Figure SU-63: Pharmacy Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	59
Figure SU-64: Pharmacy Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014.....	60
Figure SU-65: Pharmacy Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014.....	60
Figure SU-66: Pharmacy Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014.....	61
Figure SU-67: Other Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014.....	64
Figure SU-68: Other Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014.....	64

Figure SU-69: Other Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014.....	65
Figure SU-70: Other Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	65
Figure SU-71: Other Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014.....	66
Figure SU-72: Other Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014.....	66
Figure SU-73: Other Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014.....	67
Figure SU-74: Other Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	68
Figure SU-75: Other Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014.....	68
Figure SU-76: Other Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014.....	69
Figure SU-77: Other Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014.....	69
Figure SU-78: Other Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014	70
Figure SU-79: Radiology Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014.....	73
Figure SU-80: Radiology Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014	73
Figure SU-81: Radiology Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014	74
Figure SU-82: Radiology Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....	74
Figure SU-83: Radiology Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014	75
Figure SU-84: Radiology Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014.....	75
Figure SU-85: Radiology Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014.....	76

Figure SU-86: Radiology Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014.....77

Figure SU-87: Radiology Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014..... 77

Figure SU-88: Radiology Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014..... 78

Figure SU-89: Radiology Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014.....78

Figure SU-90: Radiology Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014..... 79

Tables

Table SU-1: FFS Medi-Cal Only Beneficiaries Transitioned to Medi-Cal Managed Care in September and November 2013.....	3
Table SU-2: Summary of Service Utilization Trends among FFS Medi-Cal Children Ages 0–20, by Aid Category and Service Category	81
Table SU-3: Summary of Service Utilization Trends among FFS Medi-Cal Adults Ages 21+, by Aid Category and Service Category	82
Table SU-4: Physician/Clinic Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	87
Table SU-5: Non-Emergency Medical Transportation Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	91
Table SU-6: Emergency Medical Transportation Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline	92
Table SU-7: Home Health Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	95
Table SU-8: Hospital Inpatient Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	96
Table SU-9: Hospital Outpatient Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean.....	100
Table SU-10: Nursing Facility Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	104
Table SU-11: Pharmacy Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	105
Table SU-12: Other Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	109
Table SU-13: Radiology Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean	113
Table SU-14: Medi-Cal Eligibility Aid Codes Comprising Aid Categories Utilized in This Analysis	118
Table SU-15: New Medi-Cal Eligibility Aid Categories, Comparison of Pre-ACA to Post-ACA Reports	118

Key Points

- The aid categories have been updated to account for newly eligible individuals and changes in eligibility criteria. These changes stemmed from the transition of the Healthy Families Program (HFP) into Medi-Cal throughout 2013 and the implementation of the ACA in January 2014. As a result of the new aid categories, it was necessary to update the service utilization baseline data to reflect the redefined groupings. Therefore, starting with this report, the baseline statistics — or benchmarks — have been recalculated to reflect the new aid code groupings for dates of service between January 1, 2011 and December 31, 2012. The updated baseline data will enable DHCS to more effectively analyze present service use.
- Service utilization patterns for Quarter 1, 2014 in most aid categories primarily fell within the expected ranges of the updated baseline. Some shifts in utilization were observed in this report and may be attributable to a combination of factors such as the ongoing change in the population case mix, a declining birthrate, the expansion of County Organized Health Systems and Regional/Other managed care models, the transition of the HFP into Medi-Cal, and the implementation of the Affordable Care Act. In particular, the utilization of Radiology services in most of the analyzed aid categories reached above the expected ranges.
- Adults and children in the Other and Parent/Caretaker Relative & Child aid categories exhibited utilization of several service categories that mostly fell below either the average rates or the expected ranges observed in the baseline period.

Introduction

Many factors affect health care utilization and the type of health care services sought by a given population. One of these factors is adequate access to care. Limitations in the scope of benefits provided under a health plan, cost-sharing requirements, and gaps in health plan coverage may all contribute to underutilization of health care services. Other factors that influence health care utilization include the prevalence of chronic disease in the population, provider practice patterns, recommended medical practice guidelines for specific subpopulations (e.g., cancer screenings for women, and immunization schedules and developmental assessments for children), and cultural acceptance of medical practices among the population.

Age is also associated with health care utilization patterns. For example, advanced age increases functional limitations and the prevalence of chronic conditions. The elderly have higher utilization rates for inpatient and long-term care services, many medical procedures, and are prescribed more medications, such as glucose-lowering or antihypertensive drugs. In general, children have lower health care utilization rates than the elderly. However, infants born at low birthweight (<2,500 grams, or 5.5 lbs) and children with chronic health conditions or disabilities have higher rates of health care utilization and use more costly services than their counterparts.

Children in foster care are particularly vulnerable to physical, emotional, and developmental problems stemming from abuse or neglect, substance abuse by their mothers during pregnancy, or their own substance abuse issues. A majority of these children have at least one

physical or emotional health problem. Consequently, examining health care utilization patterns should be undertaken with specific thought given to the characteristics of this population.

Background

Assembly Bill 97

In March 2011, Assembly Bill (AB) 97 was signed into law and instituted a 10% reduction in Medi-Cal reimbursements to select providers. Court injunctions delayed the implementation of AB 97 until September 2013.

The reimbursement reductions do not apply to all Medi-Cal providers and services. Providers and services that are exempt from the 10% reduction in Medi-Cal reimbursement rates include but are not limited to:

- Physician services to children ages 0–20;
- Federally Qualified Health Centers (FQHCs);
- Rural Health Clinics (RHCs); and
- Breast and cervical cancer treatment services.^{1,2,3}

Medi-Cal Enrollment Transitions

Implementation of the Affordable Care Act – The Patient Protection and Affordable Care Act, referred to as simply the Affordable Care Act (ACA), was signed into law by President Obama in March 2010. Under the ACA, states gained the option to expand Medicaid eligibility to previously ineligible low-income adults ages 19-64 (at or below 138% Federal Poverty Level (FPL)) without dependent children.⁴ On June 27, 2013, Governor Brown signed into law [AB](#) and [Senate Bill \(SB\)](#) 1-1, §25, authorizing California to expand the Medi-Cal program to include this optional population effective January 1, 2014. State administrative policy requires this new Medi-Cal population to enroll in managed care health plans. However, most certified eligibles that are required to enroll in managed care enter the Medi-Cal system through FFS, and they remain in FFS until their health plan selection is complete. As a result, while this large influx of new eligibles is required to enroll in managed care, many temporarily participate in FFS.

Expansion of Medi-Cal Managed Care – Several subpopulations transitioned from the FFS health delivery system into managed care plans during the study period. For instance, 81,488 FFS beneficiaries who are eligible for Medi-Cal but not Medicare (FFS Medi-Cal Only) enrolled into a Medi-Cal managed care plan in September 2013 due to the establishment of a County

¹ California Assembly Bill 97, (2011).

² California Department of Health Care Services, Implementation of AB97 Reductions. Retrieved from <http://www.dhcs.ca.gov/Documents/AB97ImplementationAnnouncemen081413.pdf>

³ California Department of Health Care Services, State Plan Amendment, SPA 11-009.

⁴ On June 28, 2012, the United States Supreme Court issued a majority opinion in *National Federation of Independent Business v. Sebelius* which found that the mandatory expansion of states' Medicaid eligibility rules to include childless adults was unconstitutional. California was one of 30 states to date, including the District of Columbia, to exercise the optional expansion of Medicaid eligibility rules.

Organized Health System (COHS) in Del Norte, Humboldt, Lake, Lassen, Modoc, Shasta, Siskiyou, and Trinity counties. Another 165,780 FFS Medi-Cal Only beneficiaries enrolled into managed care plans in November 2013 due to the establishment of managed care in Alpine, Amador, Butte, Calaveras, Colusa, El Dorado, Glenn, Imperial, Inyo, Mariposa, Mono, Nevada, Placer, Plumas, San Benito, Sierra, Sutter, Tehama, Tuolumne, and Yuba counties (Table SU-1).

Table SU-1: FFS Medi-Cal Only Beneficiaries Transitioned to Medi-Cal Managed Care in September and November 2013

Managed Care Plan Type	Month of Transition	Transition Counties	Approximate Number of Medi-Cal Only Beneficiaries
COHS	September 2013	Del Norte	5,837
COHS	September 2013	Humboldt	19,913
COHS	September 2013	Lake	12,749
COHS	September 2013	Lassen	3,507
COHS	September 2013	Modoc	1,376
COHS	September 2013	Shasta	28,430
COHS	September 2013	Siskiyou	7,736
COHS	September 2013	Trinity	1,940
			Subtotal = 81,488
Managed Care Plan Type	Month of Transition	Transition Counties	Approximate Number of Medi-Cal Only Beneficiaries
Regional/Other	November 2013	Alpine	106
Regional/Other	November 2013	Amador	2,522
Regional/Other	November 2013	Butte	28,365
Regional/Other	November 2013	Calaveras	3,817
Regional/Other	November 2013	Colusa	2,820
Regional/Other	November 2013	El Dorado	10,621
Regional/Other	November 2013	Glenn	4,514
Regional/Other	November 2013	Imperial	36,927
Regional/Other	November 2013	Inyo	1,977
Regional/Other	November 2013	Mariposa	1,669
Regional/Other	November 2013	Mono	945
Regional/Other	November 2013	Nevada	6,764
Regional/Other	November 2013	Placer	16,815
Regional/Other	November 2013	Plumas	1,622
Regional/Other	November 2013	San Benito	5,401
Regional/Other	November 2013	Sierra	257
Regional/Other	November 2013	Sutter	14,372
Regional/Other	November 2013	Tehama	10,372
Regional/Other	November 2013	Tuolumne	4,519
Regional/Other	November 2013	Yuba	11,375
			Subtotal = 165,780
			Statewide Total = 247,268

Source: Created by DHCS Research and Analytic Studies Division using data from the Management Information System/Decision Support System's (MIS/DSS) eligibility tables for December 2013. Data were extracted from the MIS/DSS four months after the corresponding time period to allow for updates to enrollment.

Healthy Families Transition – On January 1, 2013, DHCS began the first of four phases in 2013 to transition approximately 860,000 children from the Healthy Families Program (HFP) into Medi-Cal. To ensure minimal disruption to coverage, DHCS assigned certain children presumptive eligibility for Medi-Cal benefits under the FFS health delivery system until the date of their annual eligibility review for Medi-Cal. These children with presumptive eligibility under the FFS health delivery system are classified under the Children’s Health Insurance Program (CHIP) aid category in this report. Participation rates for these children are expected to decline throughout 2013 and beyond as they are redetermined into aid codes that require enrollment in a Medi-Cal managed care health plan.

Determinants of Service Utilization

Numerous environmental and personal factors can influence whether beneficiaries choose to utilize particular services. These factors include but are not limited to:

Perceived Health Status – Some beneficiaries believe that they do not need to seek health care services because they are in good health.

Attitude Towards the Health Care System – Beneficiaries’ level of trust in both the health care process and doctors can affect whether they decide to seek care.

Health Insurance Coverage – A beneficiary’s ability to cover associated costs can directly influence their decision to utilize health care services.

Urban Versus Rural Community – Whether a beneficiary resides in an urban or rural community can impact their health care choices due to the number of readily available physicians, as well as societal perspectives on the practice of medicine.

Preexisting Health Conditions – Beneficiaries with a preexisting health condition or disability inherently have greater health care needs, and therefore are more likely to seek care.⁵

Utilization Paradigms

Changes in beneficiary enrollment and provider capacity are important factors influencing health care utilization trends. When evaluating utilization trends, some basic paradigms should be considered.

Paradigm One – If beneficiary participation increases within a subpopulation and the network of health care providers cannot absorb the increased demand, beneficiaries may experience difficulties accessing health care services.⁶ In that case, one would expect to detect a decline in service utilization rates as beneficiaries forego health care services.

⁵ Andersen, R., Newman, J. (2005, December). Societal and Individual Determinants of Medical Care Utilization in the United States. *Milbank Quarterly*, Vol. 83 (Issue 4).

⁶ This assumes populations that enroll exhibit similar health needs as those who were previously enrolled. If the newly enrolled individuals are a much healthier population with low health care service utilization, then utilization rates may decline. This decline may be driven more by beneficiaries’ health characteristics than access difficulties.

Paradigm Two – If beneficiary participation increases and the network of providers is able to absorb additional demand, then one would expect service utilization rates to remain constant, increase, or to experience no significant decreases.⁷

Paradigm Three – If beneficiary participation decreases within a subpopulation and those that remain in FFS have a significantly different case mix than the initial population, one would expect marked changes in health care utilization. For example, if the subpopulation that remains in FFS has significantly greater medical needs than the initial population, one would expect service utilization rates to increase. However, if the subpopulation that remains is healthier, one would expect service utilization rates to decrease. Certain shifts in populations from one health care system to another, such as from FFS to managed care, might result in a significant change in the mix of patients. This in turn may result in significant changes in utilization trends.

Methods

In this report, DHCS examined utilization trends for 10 different service categories:

1. Physician/Clinics
2. Non-Emergency Transportation
3. Emergency Transportation
4. Home Health
5. Hospital Inpatient
6. Hospital Outpatient
7. Nursing Facility
8. Pharmacy
9. Other
10. Radiology

Service utilization was measured in various ways, depending on the service category. The unit of measure for Other, Physician/Clinic, Home Health, Hospital Outpatient, and Radiology services was the number of unique visits or patient encounters. The unit of measure for Pharmacy Services was the unit counts of prescriptions. Individual encounters were used as the measure for both Emergency and Non-Emergency Transportation services, while the length of stay as measured in days was the unit of measure for Hospital Inpatient and Nursing Facility service utilization. Service rates for FFS Medi-Cal Only beneficiaries were calculated per 1,000 member months for each of these service categories. Beneficiaries were classified into broad age groupings (children ages 0–20 and adults ages 21 and older) and aid categories as a proxy for health and disability status, factors which are known to influence utilization patterns.

⁷ This assumes populations that enroll exhibit similar health needs as those who were previously enrolled.

Starting with this report, the aid categories have been updated to account for newly eligible individuals and changes in eligibility criteria. These changes stemmed from the transition of the HFP into Medi-Cal throughout 2013 and the implementation of the ACA in January 2014. Subsequently, the six aid categories referenced in previous quarterly reports have been redefined into seven categories based on the updated eligibility criteria. Starting with this report, beneficiaries participating in FFS Medi-Cal Only have been grouped as homogeneous subpopulations into one of seven aid categories: Seniors and Persons with Disabilities (SPD), Parent/Caretaker Relative & Child, Adoption/Foster Care, ACA Expansion Adult - Age 19-64⁸, CHIP, Undocumented, and Other. The updated aid categories will provide DHCS with a better representation of FFS Medi-Cal's current population. Please see [Appendix C](#) for more detailed information on aid categories and codes.

The DHCS access monitoring system required the development of baseline statistics for trend comparisons. Since the establishment of the original baseline period of 2007–2009, Medi-Cal has undergone dramatic changes spurred by a deep economic recession and continual efforts to restructure its health care delivery system. In some cases, these changes dramatically affected Medi-Cal's FFS population, thus impacting how beneficiaries utilize services. As a result, the baseline metrics that were established during Medi-Cal's transformational period may not always reflect the new reality. Therefore, starting with the Q4 2013 Access Monitoring Report, the baseline statistics – or benchmarks – were recalculated to reflect dates of service between January 1, 2011 and December 31, 2012. Additionally, starting with this report, the baseline statistics for 2011 and 2012 have been updated to reflect the redefined aid categories. This updated baseline period will enable DHCS to more effectively analyze present service use.

DHCS plotted monthly service utilization rates per 1,000 member months for the study period of April 2013 to March 2014. DHCS used control charts to identify whether health care service utilization rates changed over this time period, and compared rates to low and high utilization thresholds calculated from the baseline period of 2011–2012. These thresholds – or control limits – have been set at three standard deviations from the mean, and define the natural range of variability expected from the plotted measures. Upper and lower threshold levels are represented in each control chart, with UCL representing upper control limits, LCL representing lower control limits, and \bar{x} representing the mean. Comparing the plotted measures to the mean and upper and lower control limits can lead to inferences regarding whether the data are within an expected or predictable range, or whether there are marked changes in the data over time. Potential marked changes include:

- Eight or more consecutive points all either above or below the mean line indicate a shift in utilization patterns.
- Six or more consecutive points all going in the same direction (either up or down) indicate a trend.

⁸ In this measure, individuals ages 19 and 20 who are in the ACA Expansion Adult – 19-64 aid category are included in the children age group of 0-20.

- Two or more consecutive points plotted outside of these established limits will provide a signal indicating that health care utilization has deviated markedly from the expected range.

Several factors can impact service utilization. These factors include but are not limited to: birth trends, population case mix, Medi-Cal program changes, and the transition of beneficiaries from FFS into managed care plans. Influential factors that occurred during the study period include the COHS expansion, the HFP transition, and the implementation of the ACA. The shifts in utilization observed in this report may be attributable to a combination of the factors noted above.

The sections that follow present health care utilization trends for each of the 10 service categories studied. Each section is introduced with a discussion that presents background material related to each unique service category. This background provides the reader with some introductory information regarding the types of services associated with the category and types of providers, where applicable, contained within the service category. Following the background information, utilization trends for each service category are presented. The utilization trends display statistics associated with FFS Medi-Cal Only beneficiaries not eligible for Medicare coverage.

Physician/Clinic Services

Background

It is important for any health care delivery system to monitor trends in physician service utilization among its patients, because physicians are the first point of contact for most health care needs. Once contact is made in a physician's office, numerous other services may be accessed, such as prescription drugs, lab services, and referrals to specialty care. Receiving regular ambulatory health care services has been widely recognized as a fundamental measure of successful health care access.

In the Medi-Cal program, beneficiaries may see a physician in solo practice, physicians affiliated with a physician group, or those affiliated with an FQHC, RHC, or some other clinical setting.

FQHCs are nonprofit, community-based organizations or public entities that offer primary and preventive health care and related social services to the medically underserved and uninsured population, regardless of their ability to pay. FQHCs receive funding under the Public Health Service Act, Section 330, which is determined by the U.S. Department of Health and Human Services (HHS).

RHCs are organized outpatient clinics or hospital outpatient departments located in rural shortage areas as designated by HHS. To qualify as an RHC, a clinic must be located in a non-urbanized area or area currently designated by the Health Resources and Services Agency (HRSA) as a federally designated or certified shortage area.

Indian Health Services (IHS) Clinics are those authorized by the U.S. Secretary of Health, Education, and Welfare to contract services to tribal organizations. Services available under the IHS provider type are more extensive than under the FQHC or RHC provider types, and include the following services: physician and physician assistant; nurse practitioner and nurse midwife; visiting nurse; clinical psychology and social work; comprehensive perinatal care; Early Periodic Screening, Diagnosis and Treatment (EPSDT); ambulatory; and optometry.

Other clinics in the Medi-Cal program include: Free Clinics; Community Clinics; Surgical Clinics; Clinics Exempt from Licensure; Rehabilitation Clinics; County Clinics not associated with a hospital; and Alternative Birthing Centers. All of these various clinics are included in this analysis.

Trend Analysis – Children

- Children in the Other aid category placed a greater demand on Physician/Clinic services than most other beneficiary subpopulations.

Among children ages 0 to 20 in the FFS Medi-Cal program, monthly Physician/Clinic services utilization rates ranged from 75.51 to 633.13 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. The Physician/Clinic services utilization rates were noticeably higher among children in the Other and SPD aid categories. The utilization rates for children in the CHIP aid category reached below the expected ranges observed in the baseline period of 2011 to 2012 during the last two quarters of the study. Children in all of the analyzed aid categories, except for ACA Expansion Adult – Age 19-64, mostly exhibited below- average utilization during the study period. Children in the ACA Expansion Adult – Age 19-64 aid category exhibited an increase in the utilization of Physician/Clinic services during the first quarter of 2014.

Figures SU-1 to SU-7 represent the control charts for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Adults in the Other and SPD aid categories exhibited higher utilization rates than adult beneficiaries in other subpopulations.

The monthly Physician/Clinic services utilization rates for adults ages 21 and older ranged from 173.01 to 1,161.37 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Similar to the Physician/Clinic services utilization trends identified in for children, adults in the Other and SPD aid categories exhibited higher utilization rates than adult beneficiaries in other aid categories. Adults in the Parent/Caretaker Relative & Child and Other aid categories exhibited below-average utilization that reached below the expected ranges during the last two quarters of the study period.

Figures SU-8 to SU-13 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Physician/Clinic Services Utilization Rates among Children, April 2013–March 2014

Figure SU-1: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014* Unique User Count = 33,631

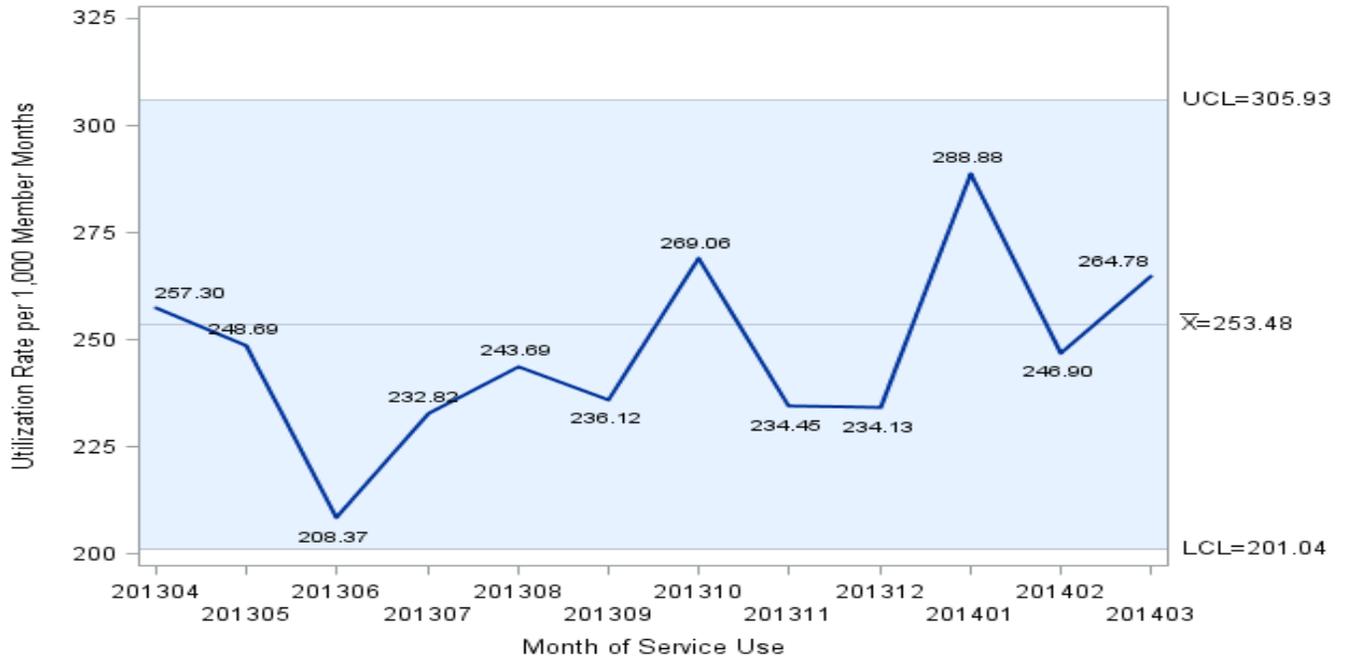


Figure SU-2: Physician/Clinic Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014* Unique User Count = 23,219

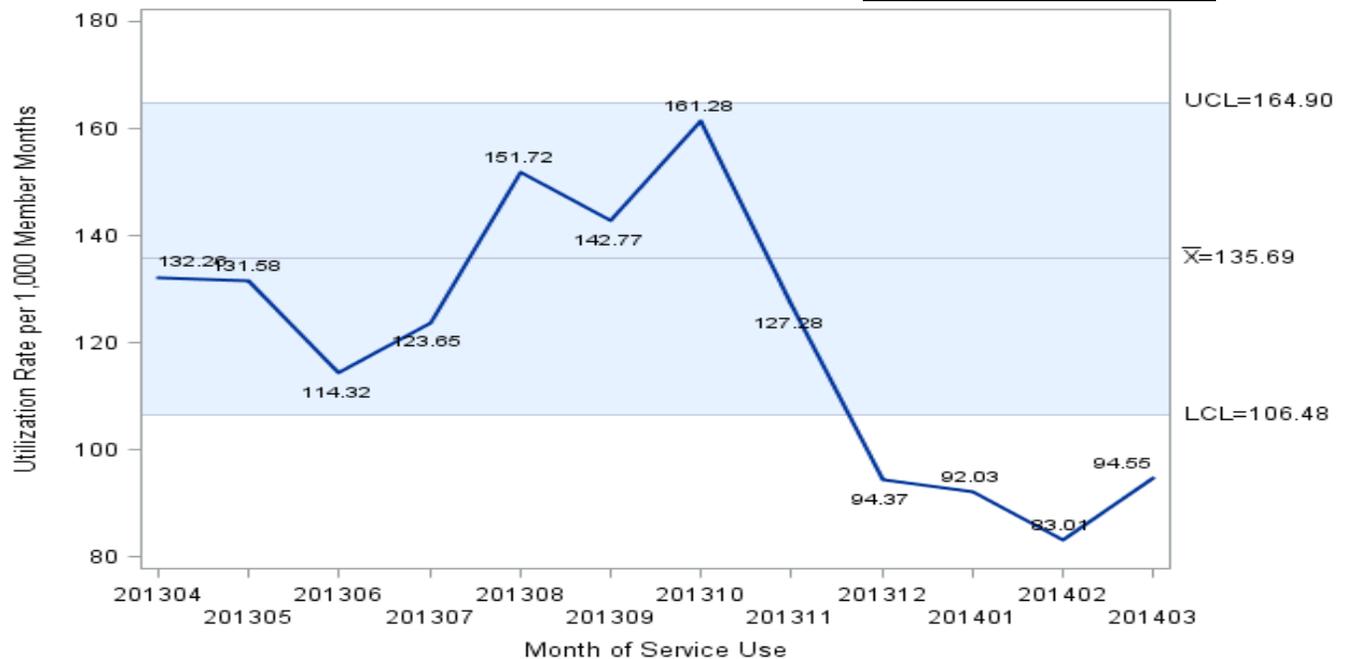


Figure SU-3: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014*

Unique User Count = **92,380**

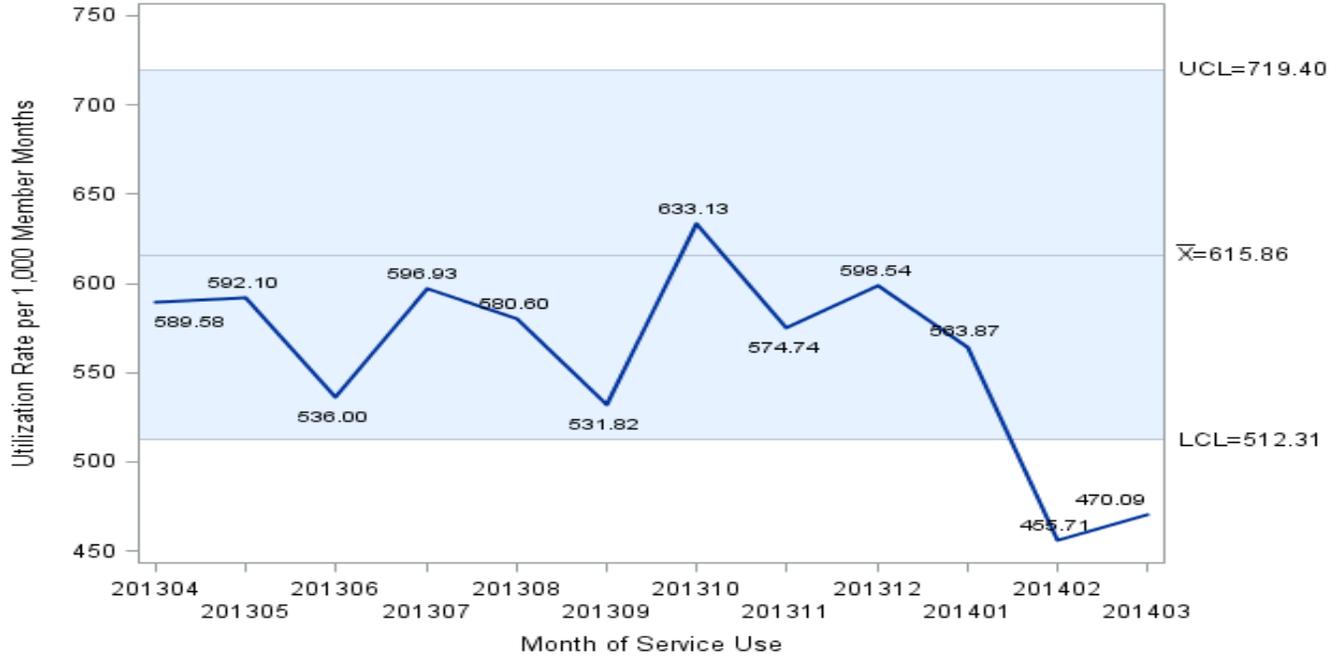


Figure SU-4: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014*

Unique User Count = **124,381**

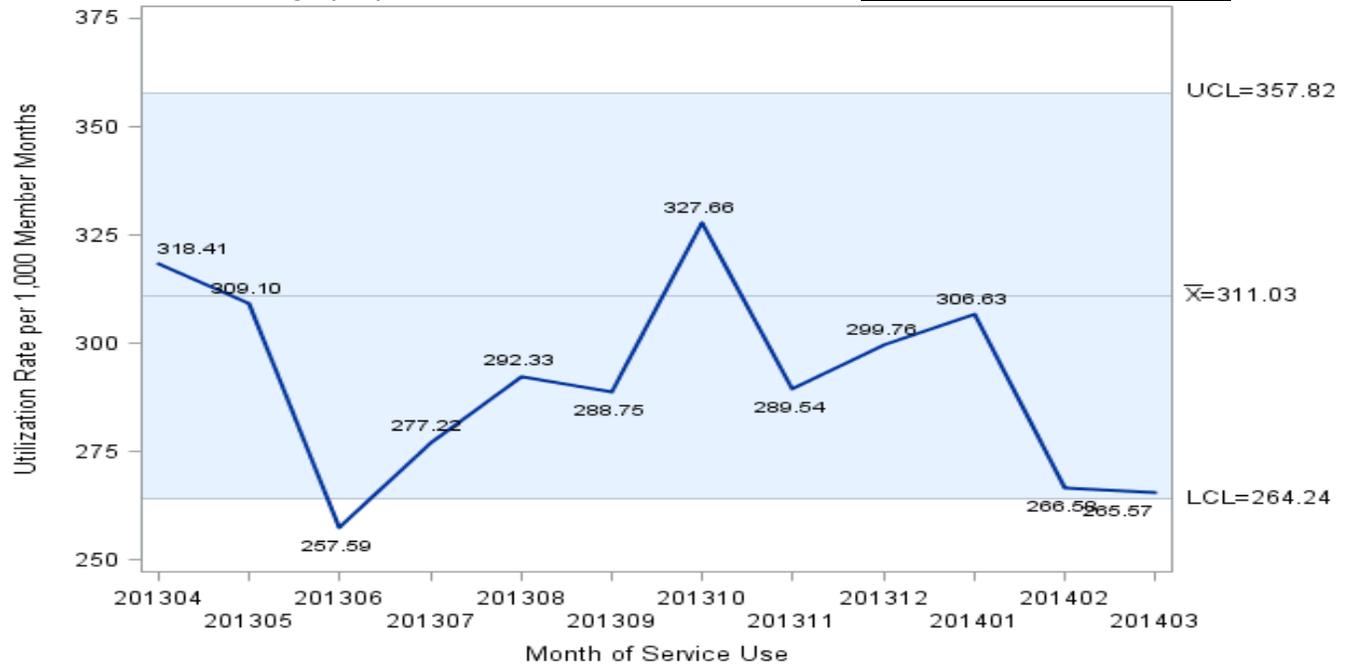


Figure SU-5: Physician/Clinic Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014*

Unique User Count = **12,589**

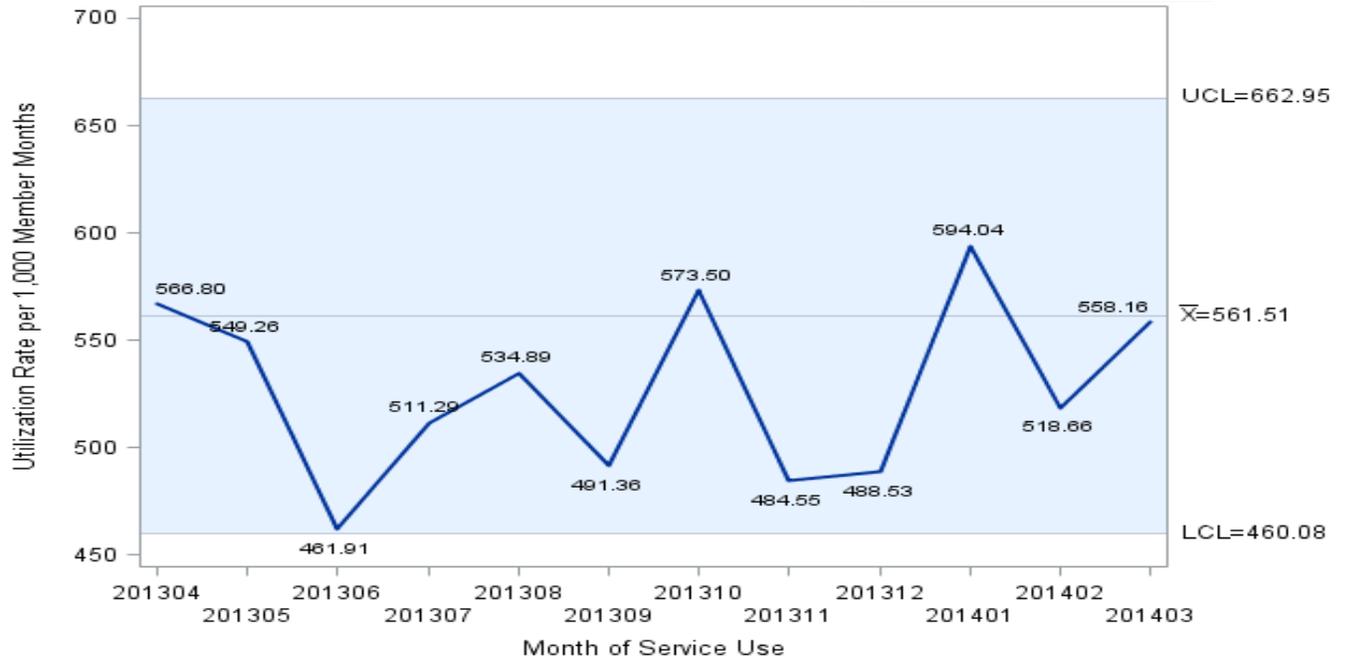


Figure SU-6: Physician/Clinic Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014

Unique User Count = **21,607**

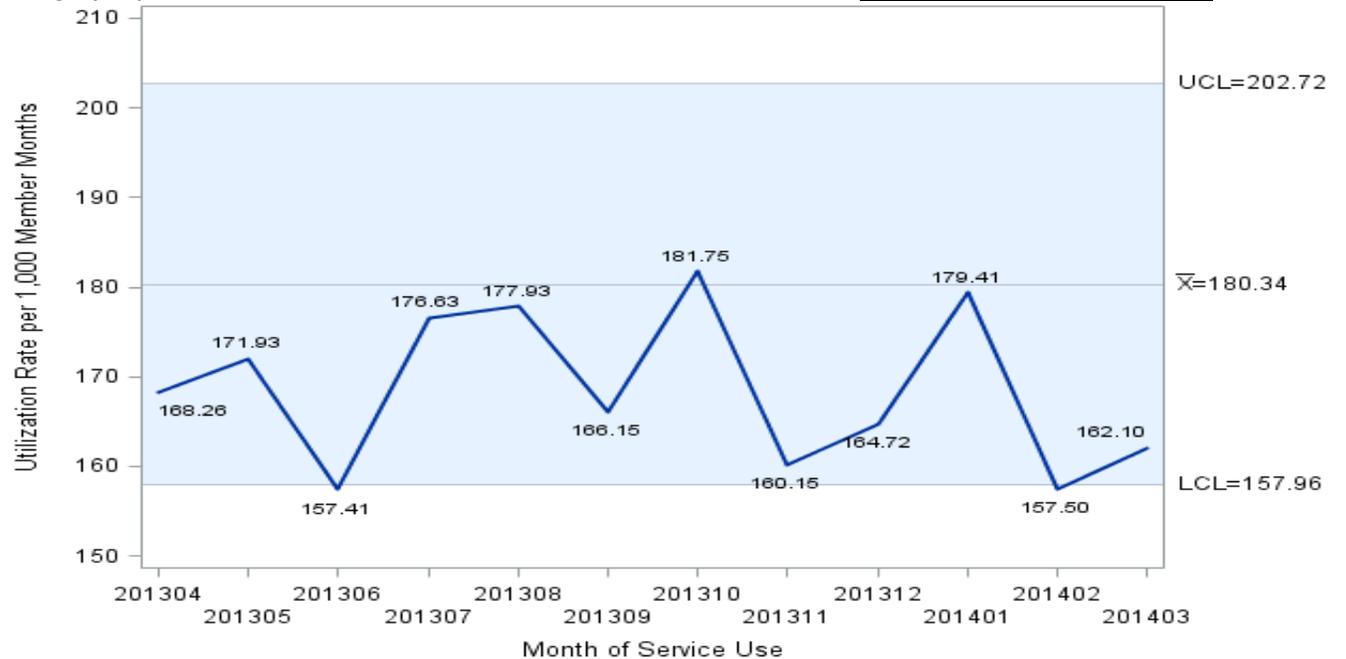
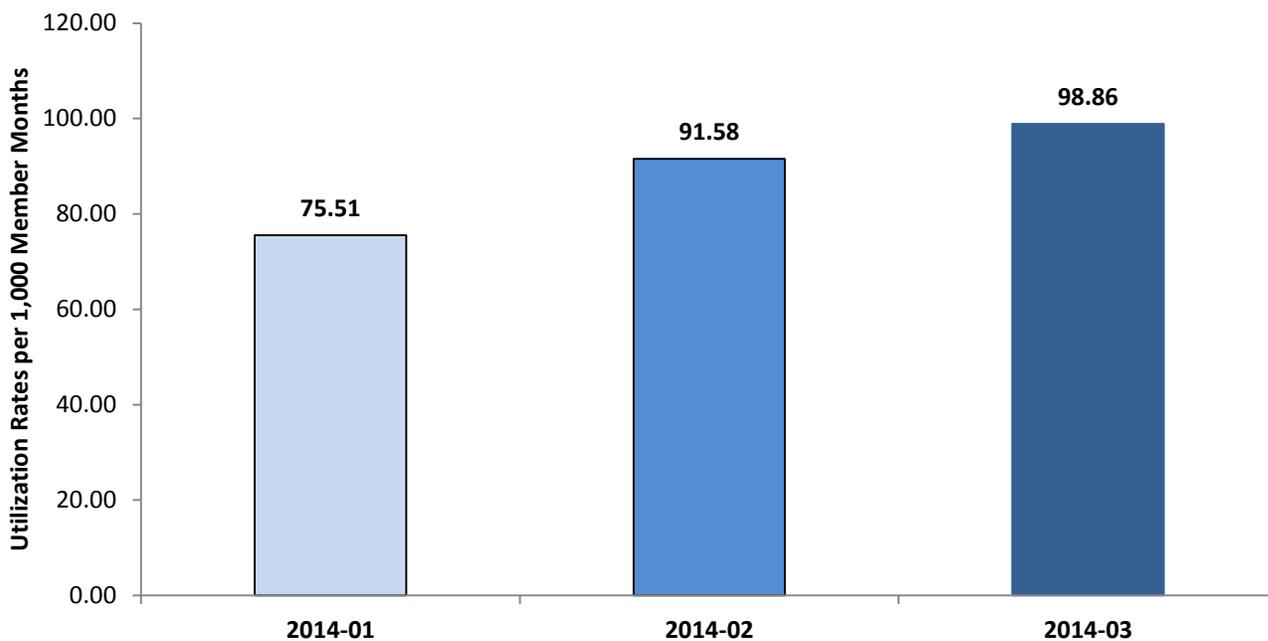


Figure SU-7: Physician/Clinic Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult-Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = **3,102**



Source: Figures SU-1 to SU-7 were created by DHCS Research and Analytic Studies Division using data from the Medi-Cal Management Information System/Decision Support System (MIS/DSS) claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data were extracted from MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-1: May 2013 = 248.69; Figure SU-3: April 2013 = 132.26, May 2013 = 131.58, February 2014 = 93.01; Figure SU-3: August 2013 = 580.60, January 2014 = 563.87, February = 455.71; Figure SU-4: May 2013 = 309.10, July 2013 = 277.22, February 2013 = 266.58; Figure SU-5: May 2013 = 549.26.

Trends of Monthly Physician/Clinic Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-8: Physician/Clinic Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014* Unique User Count = 66,257

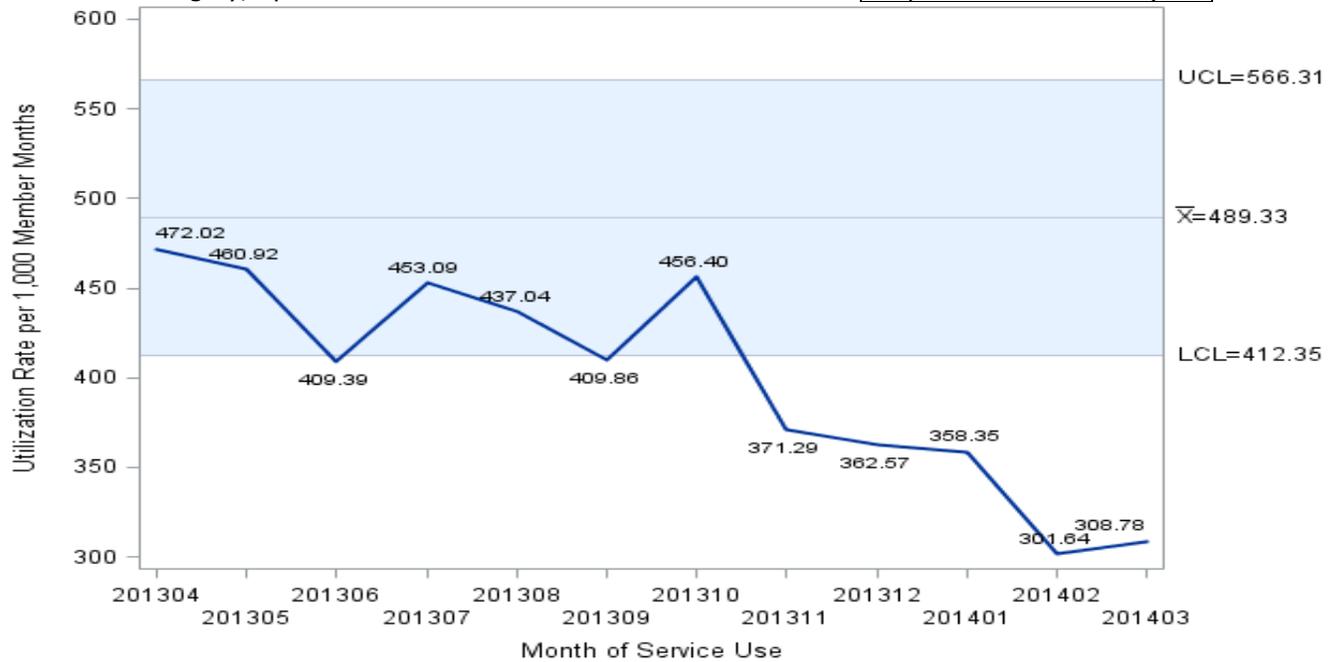


Figure SU-9: Physician/Clinic Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014* Unique User Count = 58,956

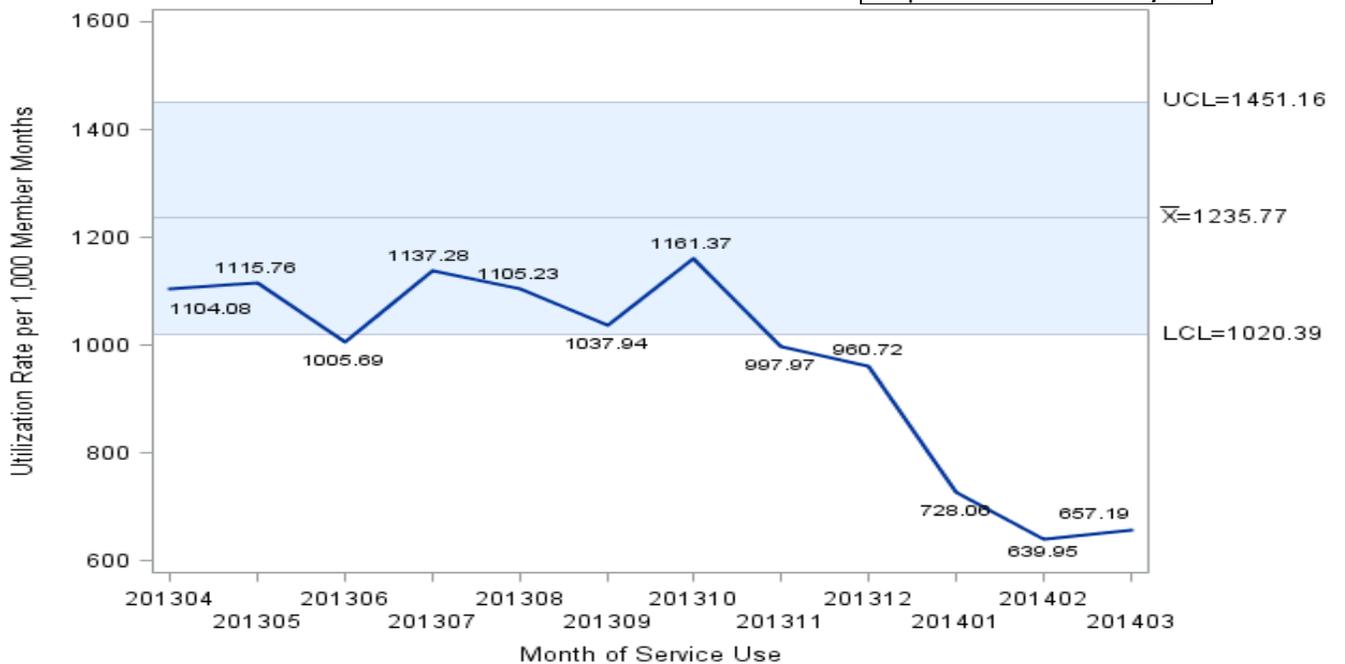


Figure SU-10: Physician/Clinic Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014* Unique User Count = 46,264

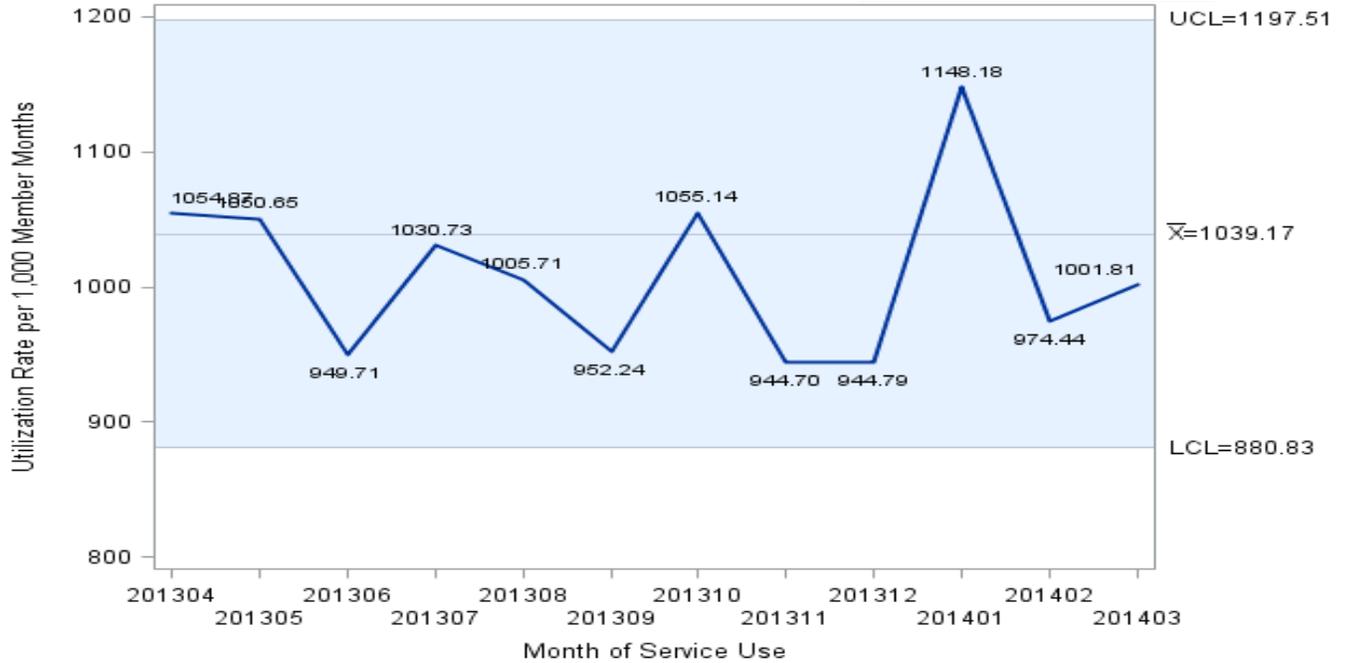


Figure SU-11: Physician/Clinic Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 79,359

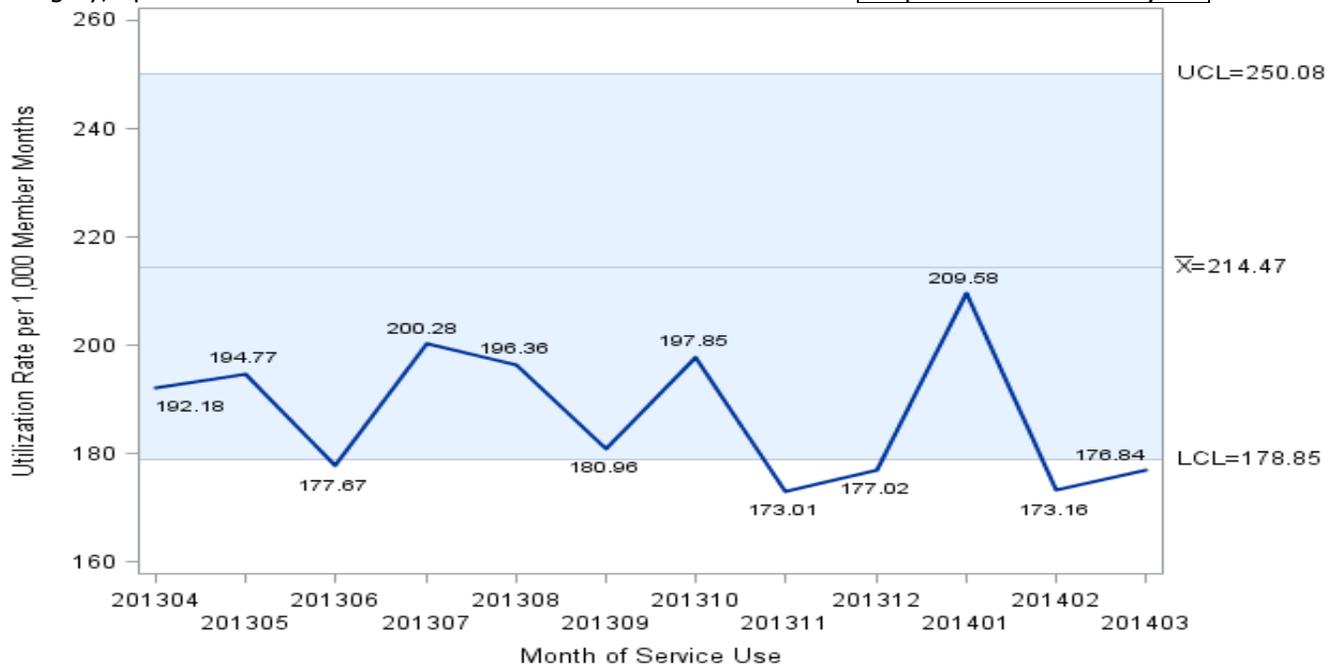
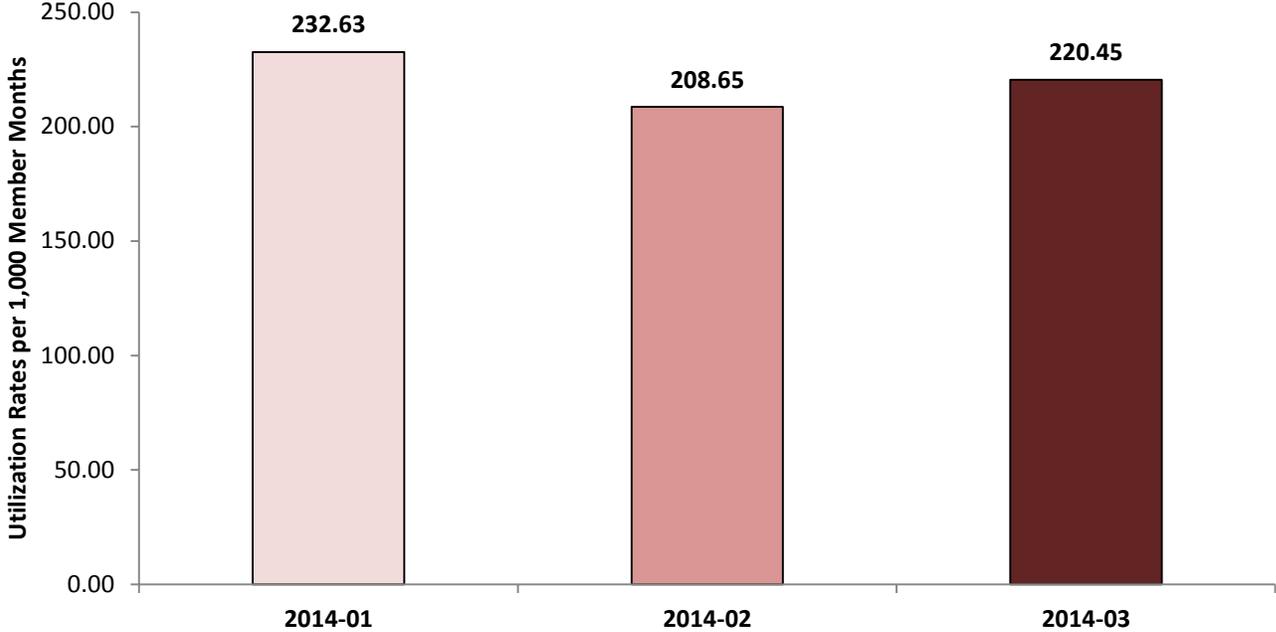


Figure SU-12: Physician/Clinic Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014

Unique User Count = **115,028**



Source: Figures SU-8 to SU-12 were created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data were extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-8: February 2014 = 301.64; Figure SU-9: January 2014 = 728.06; Figure SU-10: April 2013 = 1,054.87, May 2013 = 1,050.65, August 2013 = 1,005.71.

Non-Emergency Medical Transportation

Background

Non-emergency transportation is the transportation of sick, injured, invalid, convalescent, infirmed, or otherwise incapacitated persons when access to medical treatment is needed, but when the condition is not immediately life-threatening. An example of non-emergency transportation would be transportation by litter van or wheelchair van to a doctor or clinic. Transportation services are also provided through air ambulance services. For non-emergencies, medical transportation by air is only covered when the medical condition of the patient or practical considerations make ground transportation unviable.

The Medi-Cal program covers medical transportation when a beneficiary cannot obtain medical services using ordinary means of transportation. Non-emergency transportation requires previous authorization and is covered only in certain situations. While most insurance plans apart from Medi-Cal provide their members with emergency medical transportation, non-emergency transportation is only covered by other plans in a limited form. For example, private insurance companies may cover non-emergency transportation when transferring a patient being discharged from a hospital, or when plan members seek specific treatment such as organ transplantation services.

Trend Analysis – Children

Children in all of the aid categories are excluded from this analysis because of their relatively small user counts (< 500).

Trend Analysis – Adults

- Due to low user counts for most subpopulations, utilization rates for Non-Emergency Medical Transportation services are only reported for adults in the Other, SPD, and ACA Expansion Adult – Age 19-64 aid categories. Adults in the SPD aid category exhibited higher utilization rates than adult beneficiaries in the other two subpopulations.

This analysis only focuses on Non-Emergency Medical Transportation services utilization among Medi-Cal adults 21 and older participating in the FFS program and enrolled in the ACA Expansion Adult – Age 19-64, Other, and SPD aid categories. Adults in the Parent/Caretaker Relative & Child aid category were excluded due to their relatively small user counts (< 500).

Among adults in these three aid categories, monthly Non-Emergency Medical Transportation services utilization rates ranged from 0.50 to 71.92 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Non-Emergency Medical Transportation services utilization was noticeably higher among adults in the SPD aid category. Although exhibiting a slight increase in utilization during the first quarter of 2014, adults in the ACA Expansion Adult – Age 19-64 rarely utilized Non-Emergency Medical Transportation services. Adults in the SPD aid category exhibited above-average Non-Emergency Medical Transportation utilization rates that reached above the expected ranges observed in the baseline period of 2011 to 2012. In contrast, adults in the Other aid category mostly displayed below-average utilization that fell below the expected ranges during the last quarter of the study period.

FFS Medi-Cal beneficiaries in the Undocumented aid category are not entitled to Non-Emergency Medical Transportation services, and were consequently excluded from this analysis.

Figures SU-13 to SU-15 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Non-Emergency Medical Transportation Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-13: Non-Emergency Transportation Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014* Unique User Count = 960

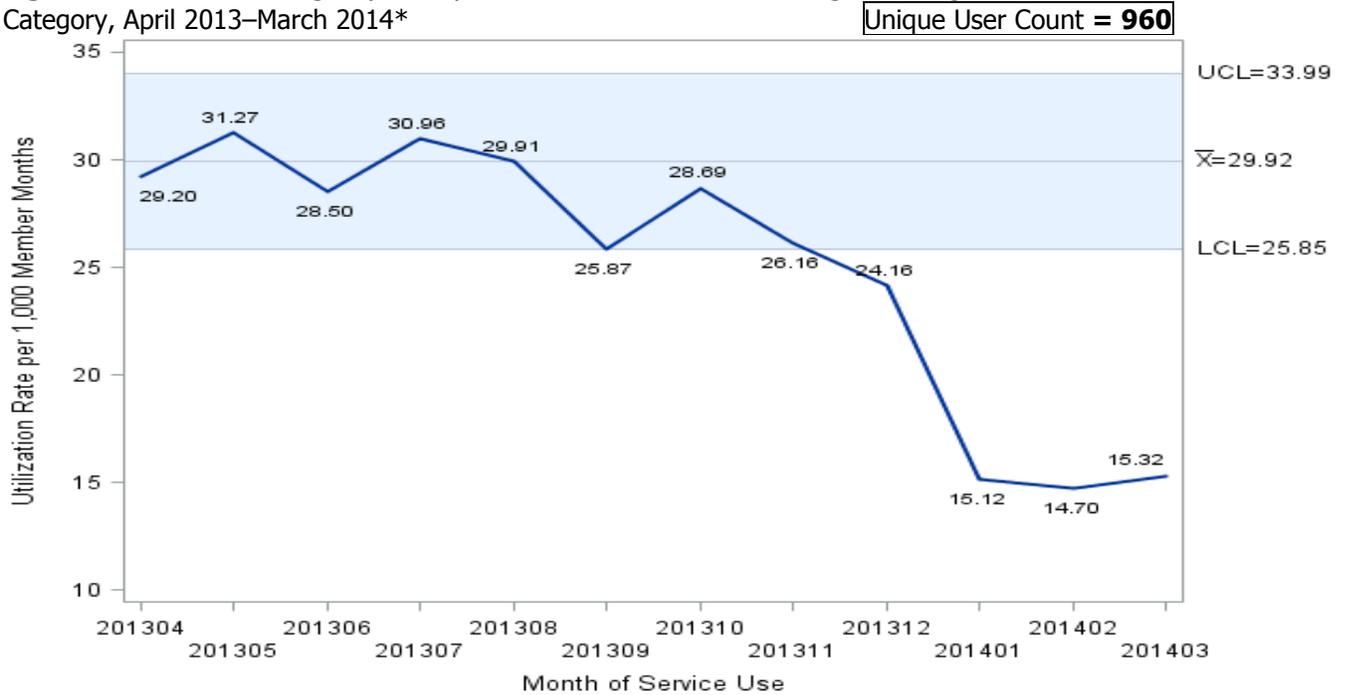


Figure SU-14: Non-Emergency Transportation Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014* Unique User Count = 2,536

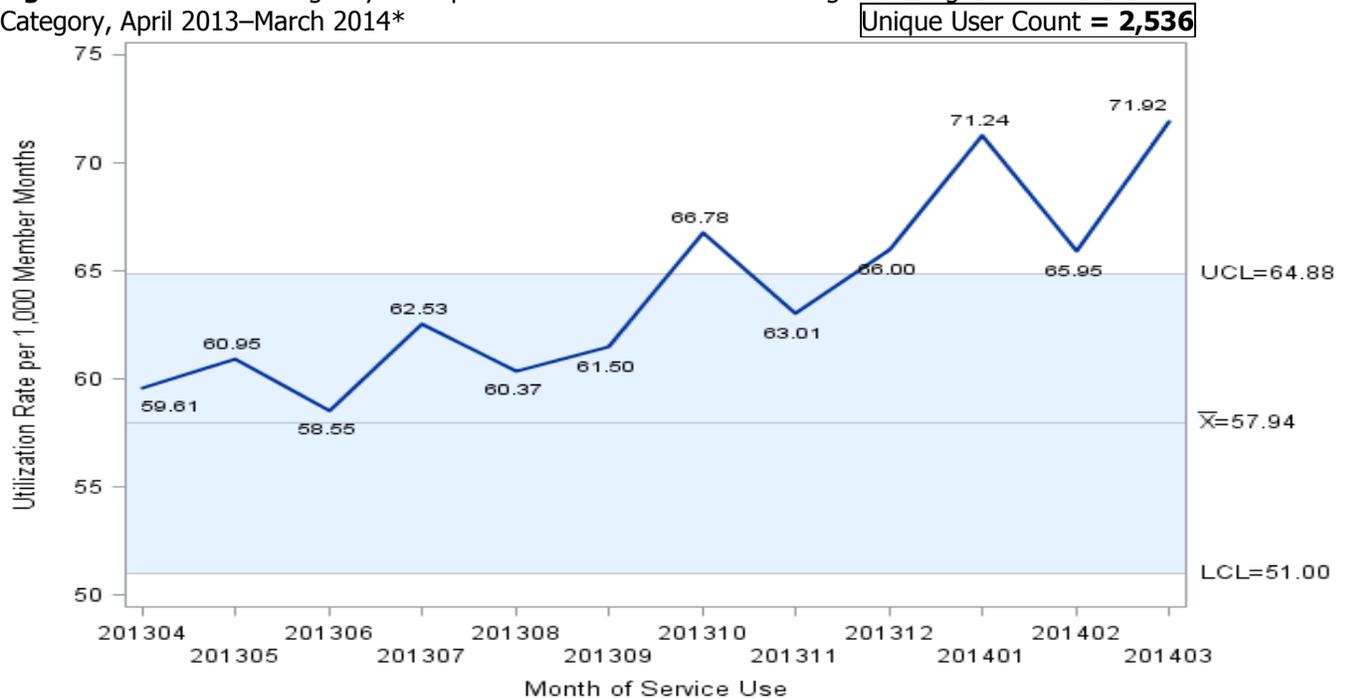
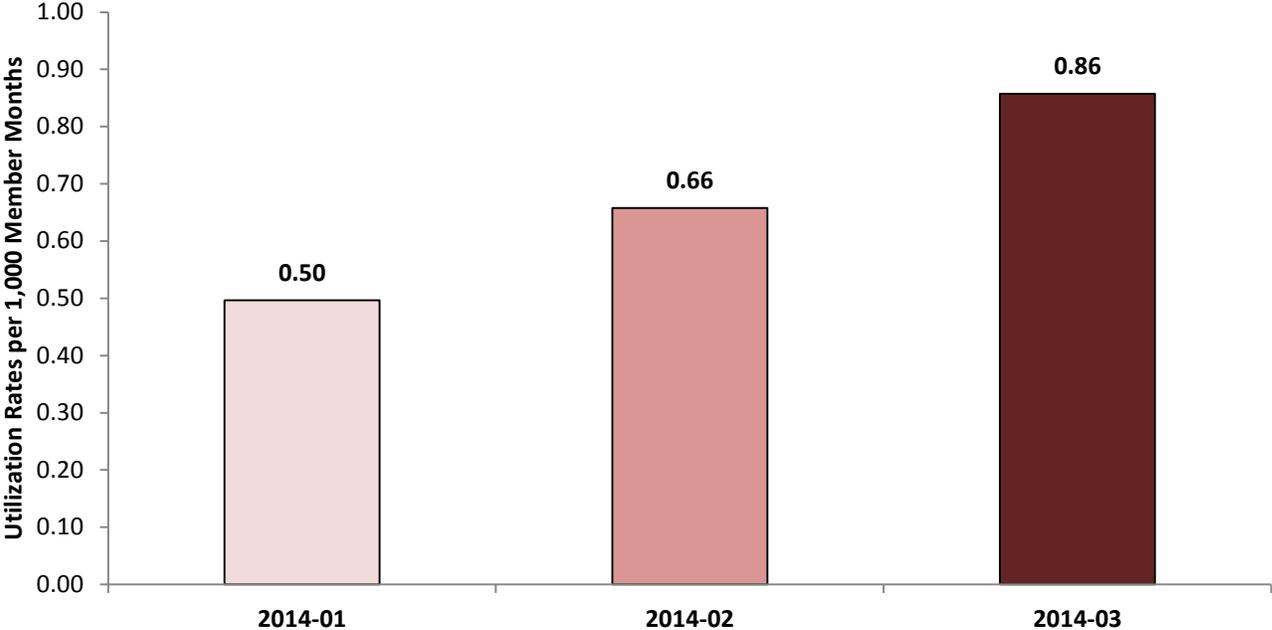


Figure SU-15: Non-Emergency Transportation Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = 547



Source: Figures SU-13 to SU-15 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-13: December 2013 = 24.16; Figure SU-14: December 2013 = 66.00.

Emergency Medical Transportation

Background

Emergency transportation is the transportation of sick, injured, invalid, convalescent, infirm, or otherwise incapacitated persons for medical treatment needed in life-threatening situations. Similar to non-emergency transportation, emergency transportation services are provided through air ambulance services and ground medical transportation providers. Transportation by air is covered for emergencies if the medical condition of the patient makes use of other means of transportation inadvisable or if either the patient or the nearest hospital capable of attending to the patient's medical needs is inaccessible by ground transportation.

Emergency transportation is covered by Medi-Cal. Although this type of transportation does not require prior authorization, each claim must include a justification for the emergency transportation.

Trend Analysis – Children

- Utilization rates were noticeably higher among children in the SPD aid category.

Children ages 0 to 20 in the FFS Medi-Cal program and enrolled in the ACA Expansion Adult - Age 19-64 and CHIP aid categories are excluded from this analysis due to their relatively small user counts (< 500). Among children in the remaining aid categories, monthly Emergency Medical Transportation services utilization rates ranged from 1.51 to 10.27 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Emergency Medical Transportation services utilization was noticeably higher among children in the SPD aid category with rates ranging from 6.77 to 10.27 visits per 1,000 member months. In contrast, utilization rates for children in the Parent/Caretaker Relative & Child and Other aid categories ranged from 2.37 to 4.11 visits per 1,000 member months. Children in the Adoption/Foster Care and Undocumented aid categories mostly exhibited above-average utilization rates, while those in the Other aid category primarily displayed below-average utilization that reached below the expected ranges observed in the baseline period of 2011 to 2012.

Figures SU-16 to SU-20 represent the control chart analysis for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Utilization was noticeably higher among adults in the SPD aid category with above-average rates that were mostly within the expected ranges.

The monthly Emergency Medical Transportation services utilization rates for adults ages 21 and older ranged from 1.79 to 44.90 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. The Emergency Medical Transportation services utilization rates were noticeably higher for adults in the SPD aid category, while adults in the Undocumented aid category rarely utilized these services. Adults in the Parent/Caretaker Relative & Child and Other aid categories exhibited mostly below-average services utilization rates that reached below the expected ranges, whereas adults in the SPD aid category displayed above-average utilization rates.

Figures SU-21 to SU-25 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Emergency Medical Transportation Services Utilization Rates among Children, April 2013–March 2014

Figure SU-16: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014* Unique User Count = 1,084

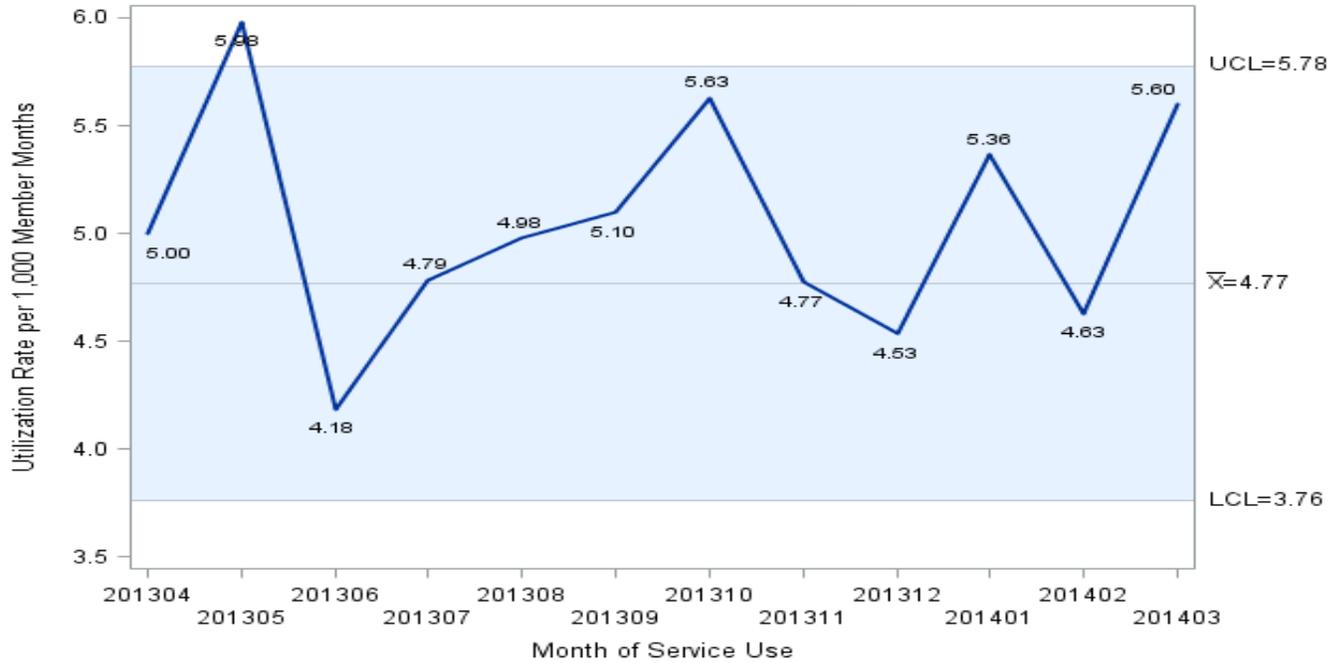


Figure SU-17: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014* Unique User Count = 872

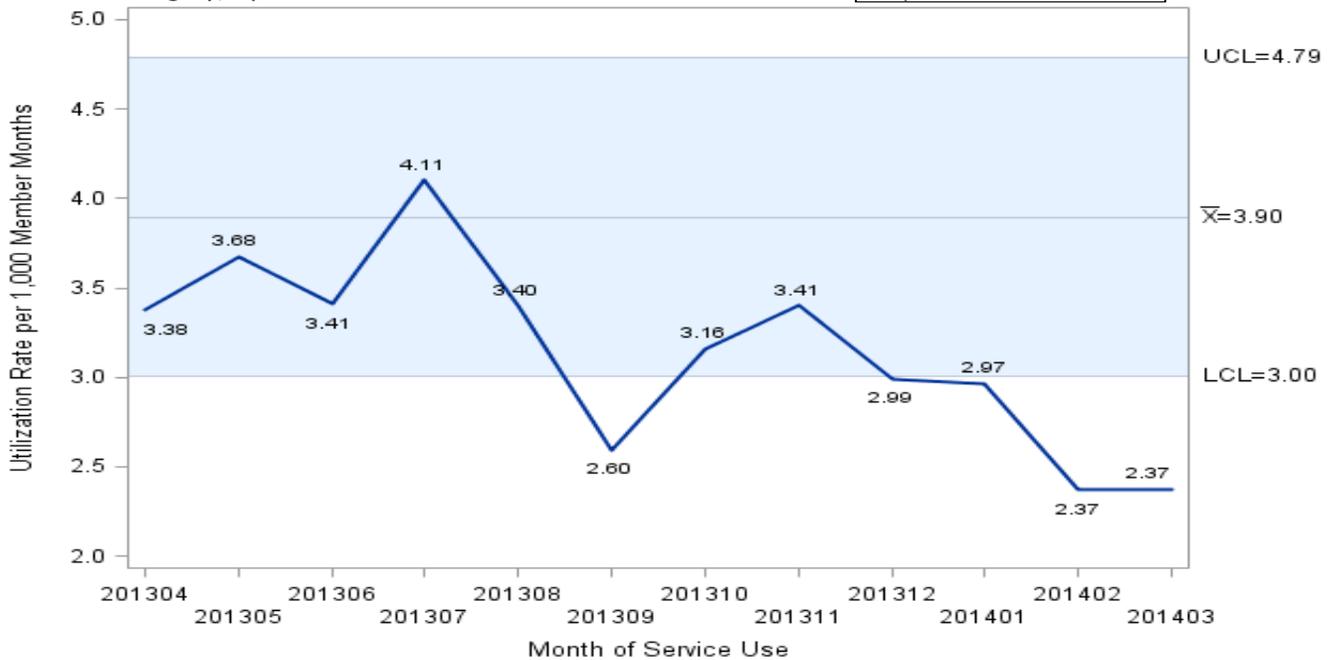


Figure SU-18: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014 Unique User Count = 2,609

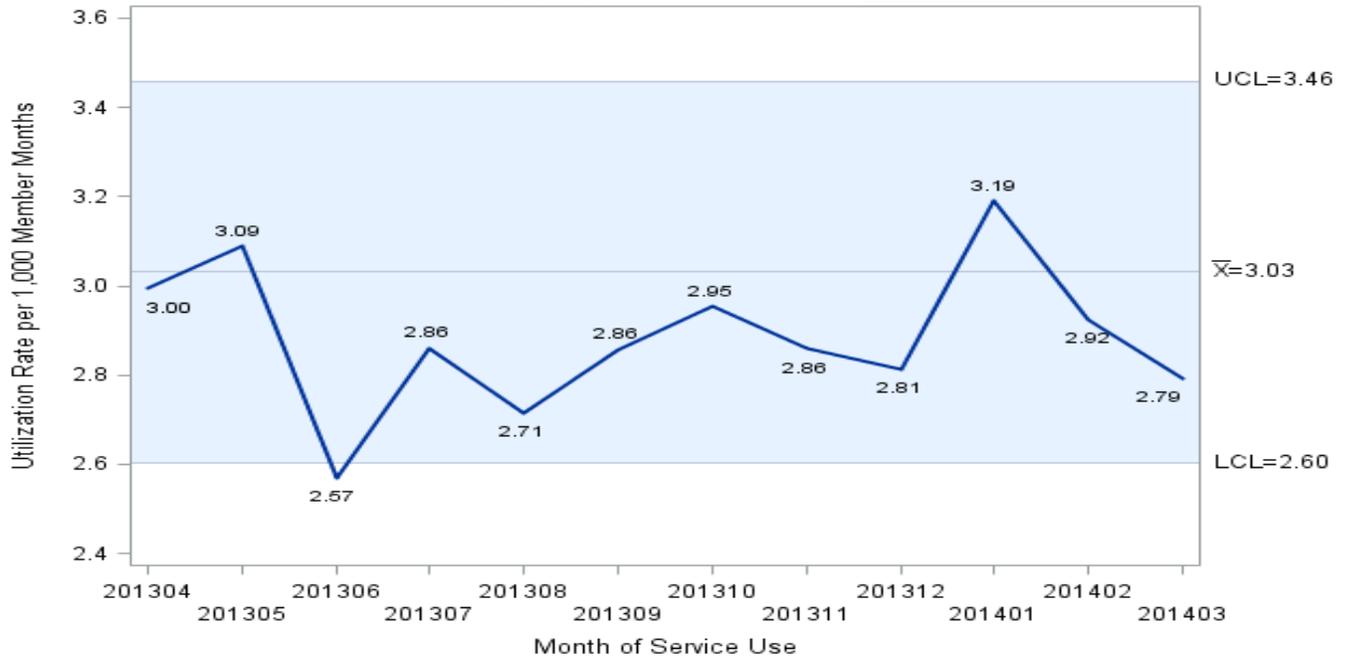


Figure SU-19: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014* Unique User Count = 633

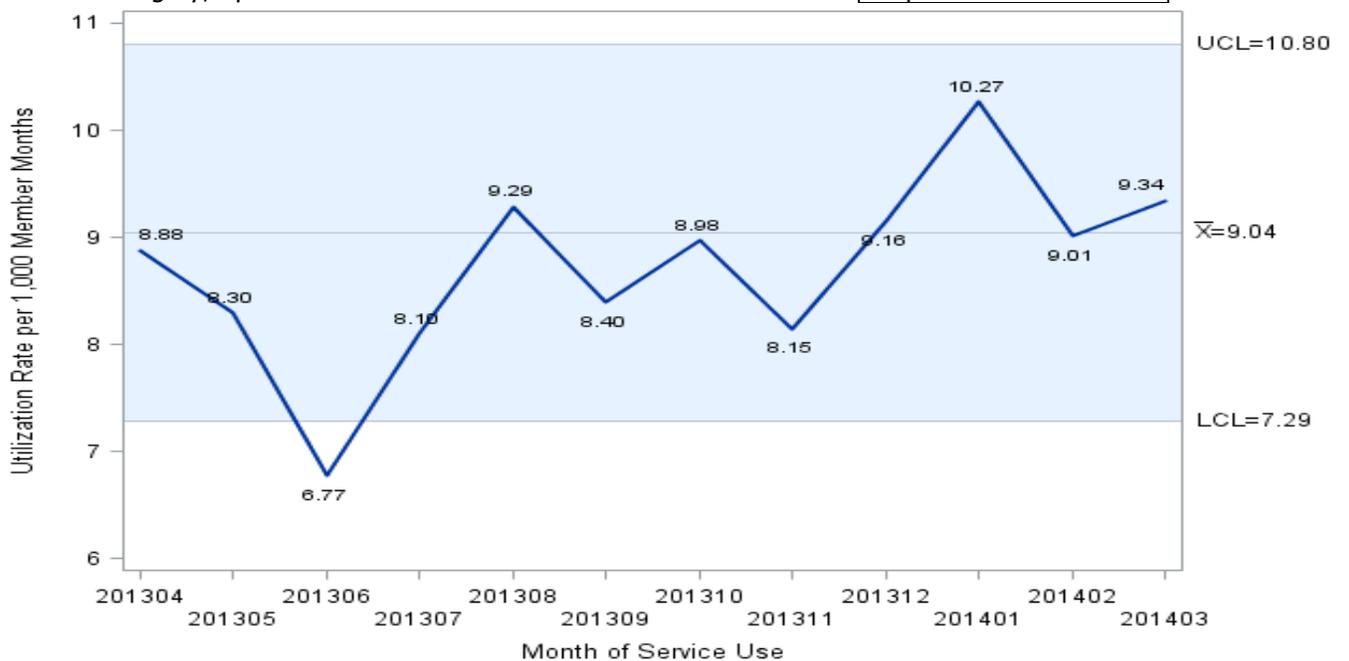
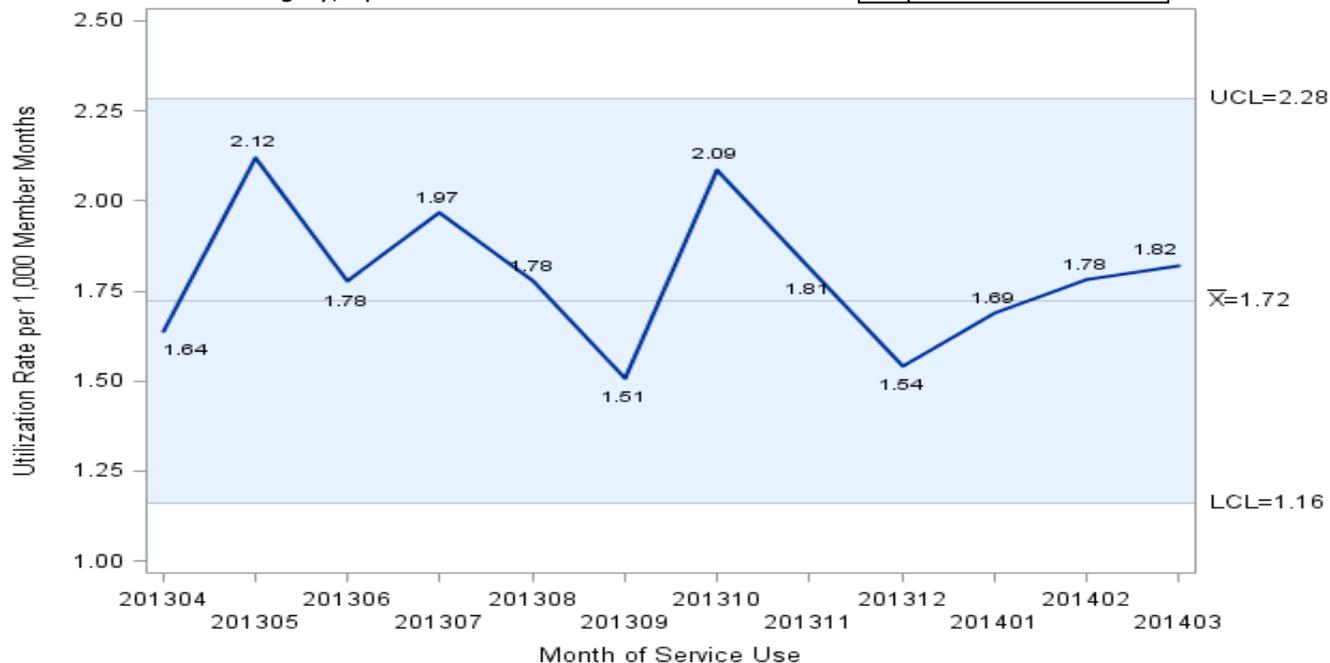


Figure SU-20: Emergency Medical Transportation Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014* Unique User Count = 644



Source: Figures SU-16 to SU-20 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-16: May 2013 = 5.98; Figure SU-17: August 2013 = 3.40; Figure SU-19: May 2013 = 9.30, July 2013 = 8.10, December 2013 = 9.16; Figure SU-20: August 2013 = 1.78, November 2013 = 1.81.

Trends of Monthly Emergency Transportation Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-21: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014* **Unique User Count = 2,782**

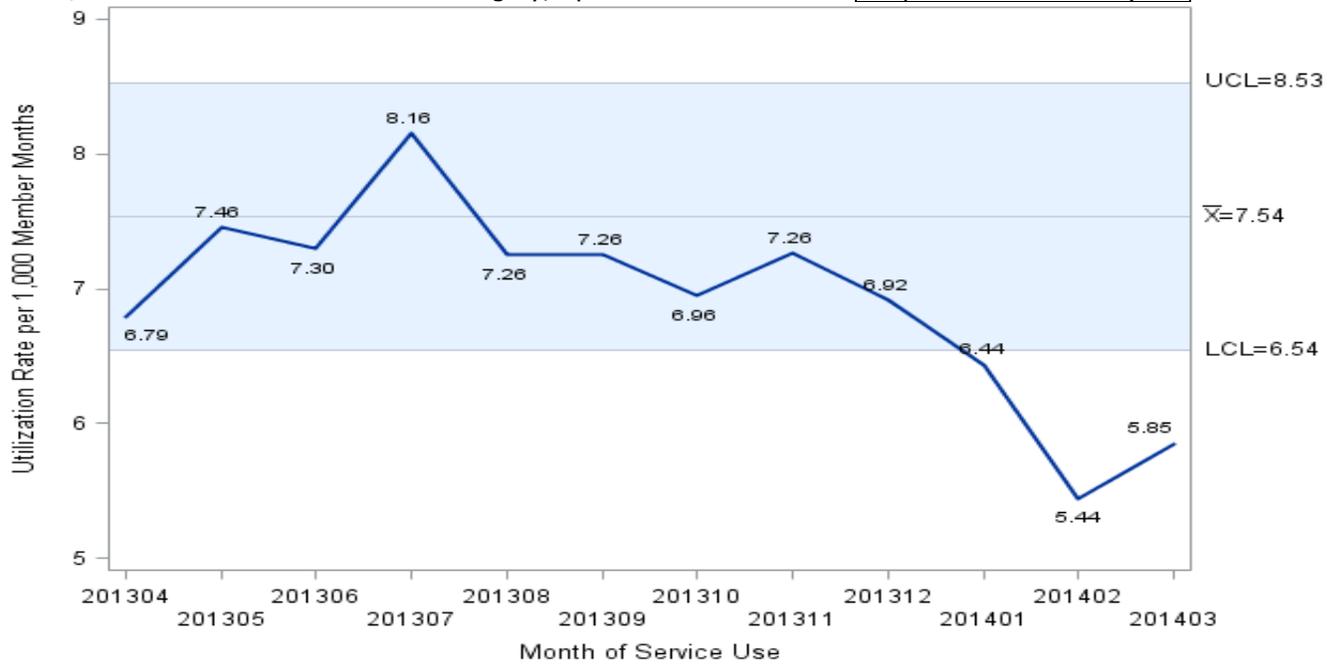


Figure SU-22: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014 **Unique User Count = 1,896**

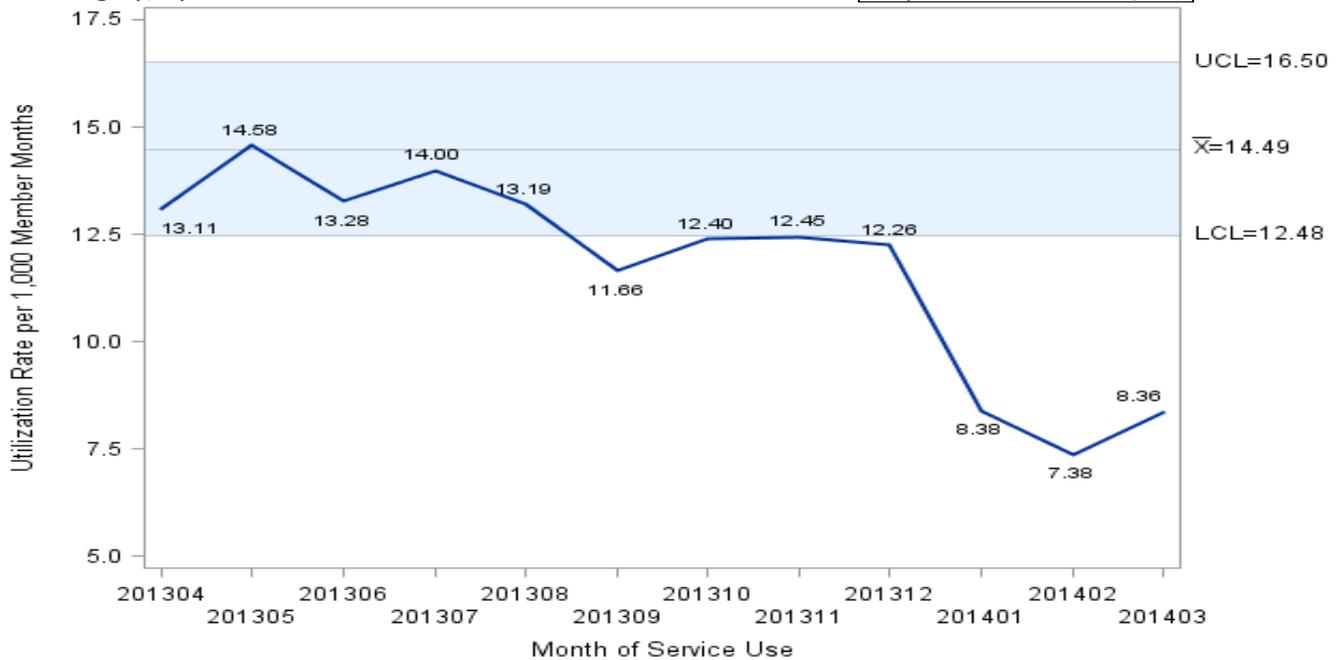


Figure SU-23: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014* Unique User Count = 5,674

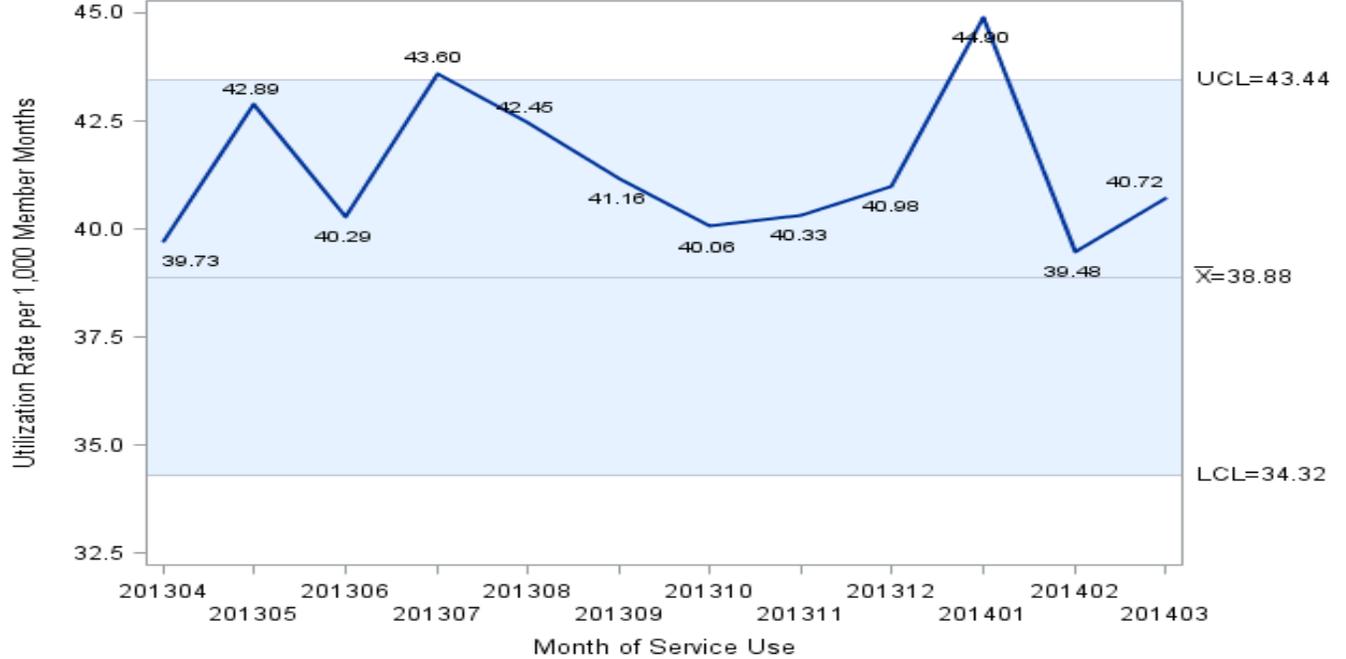


Figure SU-24: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 2,959

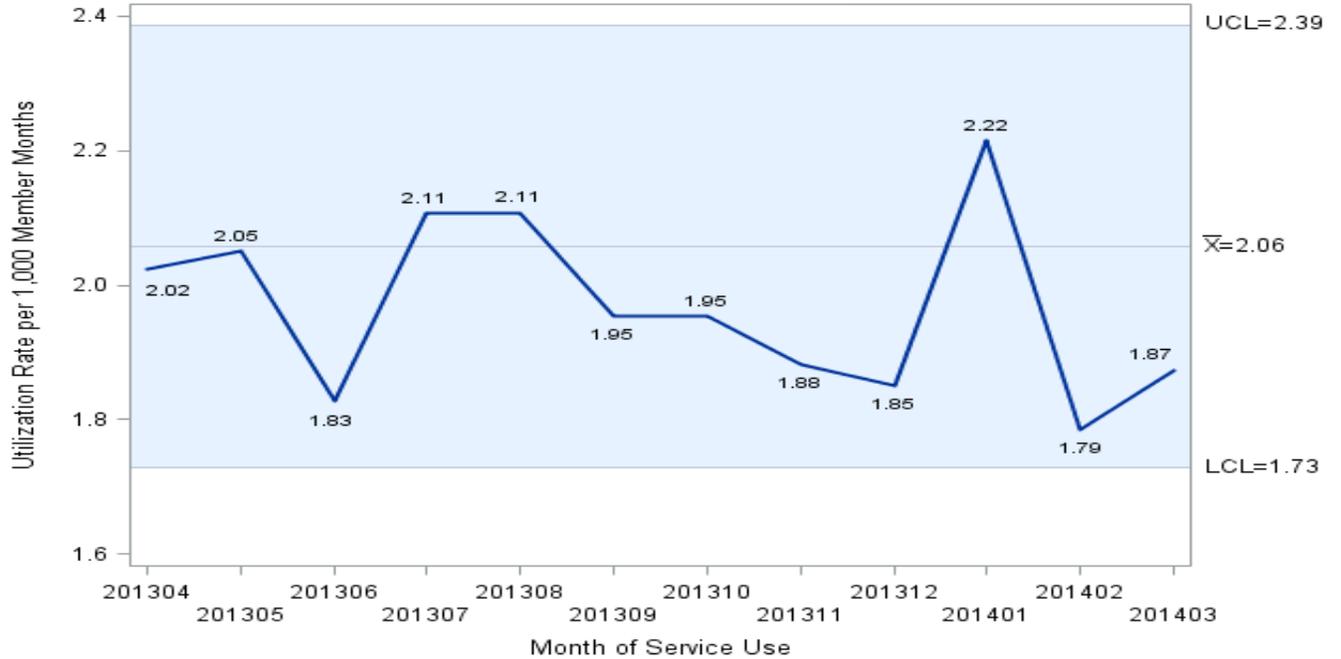
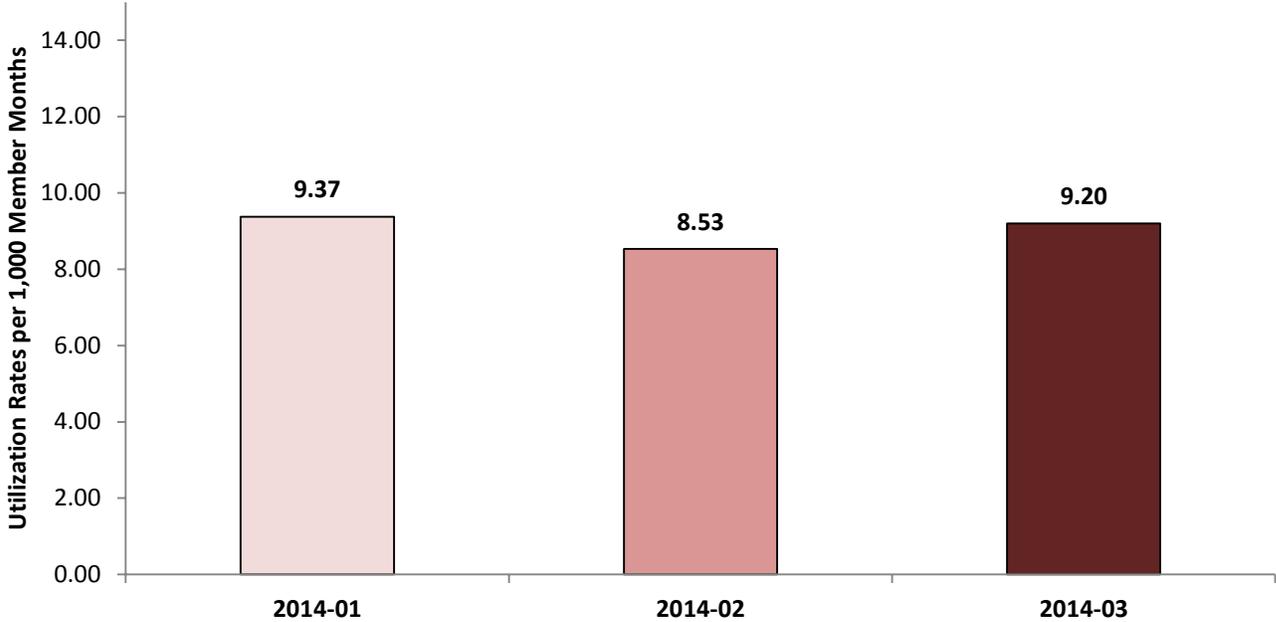


Figure SU-25: Emergency Medical Transportation Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = 9,221



Source: Figures SU-21 to SU-25 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-21: January 2014 = 6.44; Figure SU-23: August 2013 = 42.45, January 2014 = 44.90.

Home Health Services

Background

Home Health services provide outpatient care to Medi-Cal beneficiaries on an intermittent or part-time basis. Services include:

- Part-time or intermittent skilled nursing by licensed nursing personnel;
- In-home medical care;
- Physical, occupational, or speech therapy;
- Home health aide;
- Provision of medical supplies, excluding drugs and biological;
- Medical social services; and
- Use of medical appliances.

These services must be prescribed by a physician under a written plan renewed every 60 days, and be provided at the recipient's place of residence. Most services require prior authorization, except for services related to case evaluations and early discharge follow-up visits.

Home Health services paid through FFS Medi-Cal comprise any claim paid under provider type "014–Home Health Agency," which covers a variety of services, including services provided by home health agencies, home and community-based services, residential care and home health under the assisted living waiver, and pediatric palliative care waiver services.

Readers should note that FFS Medi-Cal beneficiaries in the Undocumented aid category are not entitled to Home Health services, and were consequently excluded from this analysis.

Trend Analysis – Children

- Use of Home Health services is now concentrated among children in the Parent/Caretaker Relative & Child and SPD aid categories.

This analysis focuses only on Home Health services utilization rates among Medi-Cal children ages 0 to 20 participating in the FFS program and enrolled in the Parent/Caretaker Relative & Child and SPD aid categories. Children in the ACA Expansion Adult – Age 19-64, Adoption/Foster Care, CHIP, and Other aid categories were excluded because of their relatively small user counts (< 500).

Among children in these two aid categories, the monthly Home Health services utilization rates ranged from 0.56 to 178.99 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. The Home Health services utilization rates were noticeably higher for children in the SPD aid category, while children in the Parent/Caretaker Relative & Child aid category rarely utilized these services. Additionally, children in the SPD aid category exhibited utilization rates above the expected ranges observed in the baseline period of 2011 to 2012.

Figures SU-26 and SU-27 represent the control chart analysis for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Adults in the SPD aid category exhibited much lower Home Health service utilization than children in the same aid category.

Among adults 21 and older, this analysis only focuses on Home Health services utilization among beneficiaries enrolled in the SPD aid category. Adults in the ACA Expansion Adult – Age 19-64, Parent/Caretaker Relative & Child, and Other aid categories were excluded because of their relatively small user counts (< 500).

The monthly Home Health services utilization rates for adults in the SPD aid category ranged from 10.52 to 14.22 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Adults in the SPD aid group exhibited much lower overall Home Health services utilization rates than children in the same aid category. Adults in this aid category primarily displayed below-average utilization rates that at times reached below the expected baseline ranges.

Medi-Cal FFS beneficiaries in the Undocumented aid category are not entitled to Home Health services, and were consequently excluded from this analysis.

Figure SU-28 represents the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Home Health Services Utilization Rates among Children, April 2013–March 2014

Figure SU-26: Home Health Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014* **Unique User Count = 500**

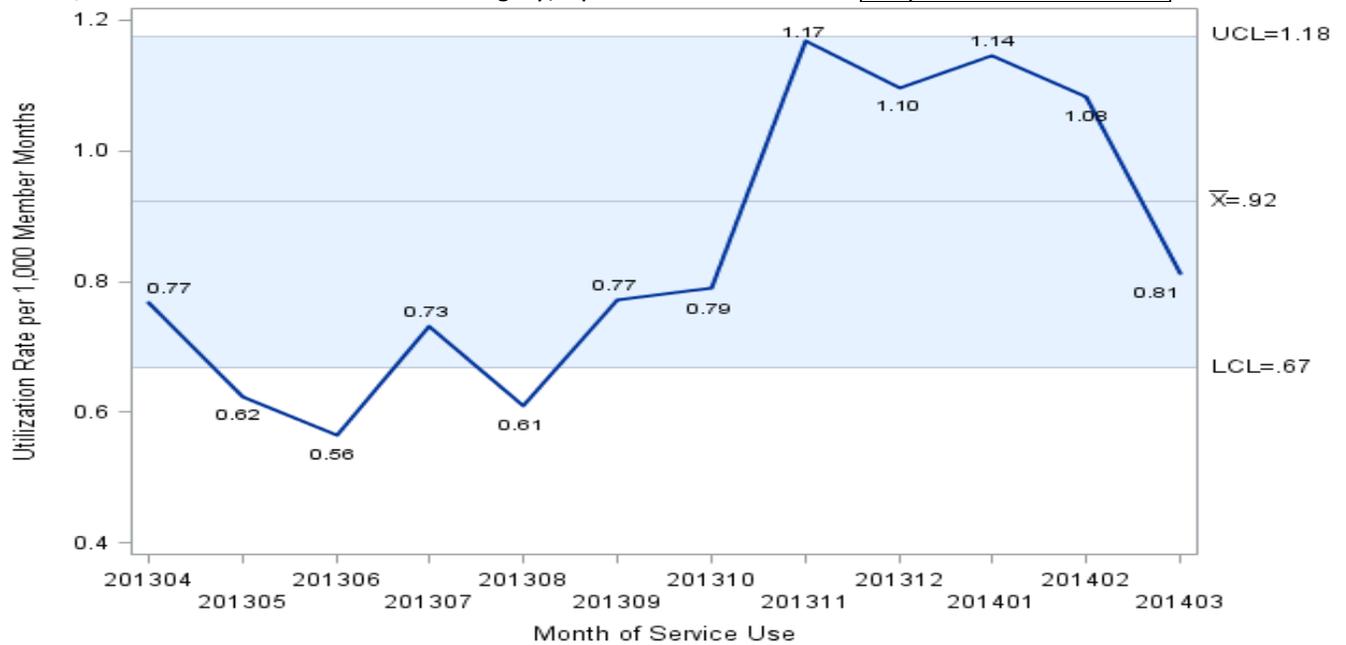
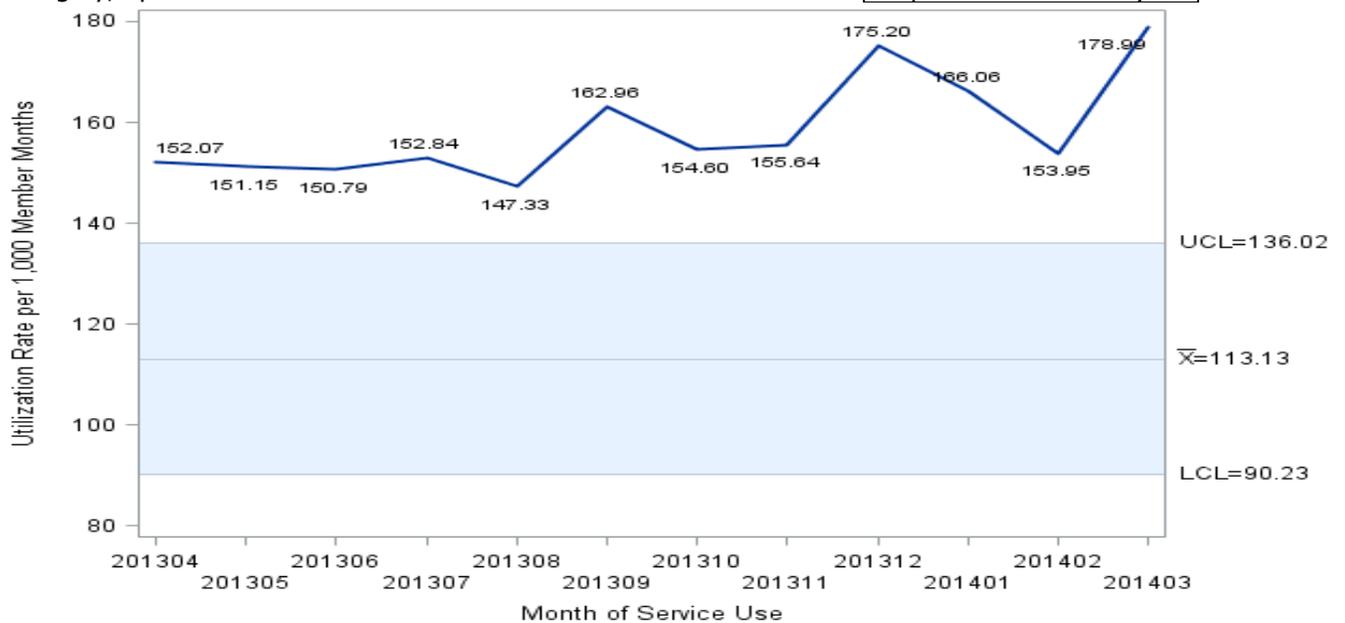


Figure SU-27: Home Health Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014* **Unique User Count = 1,490**

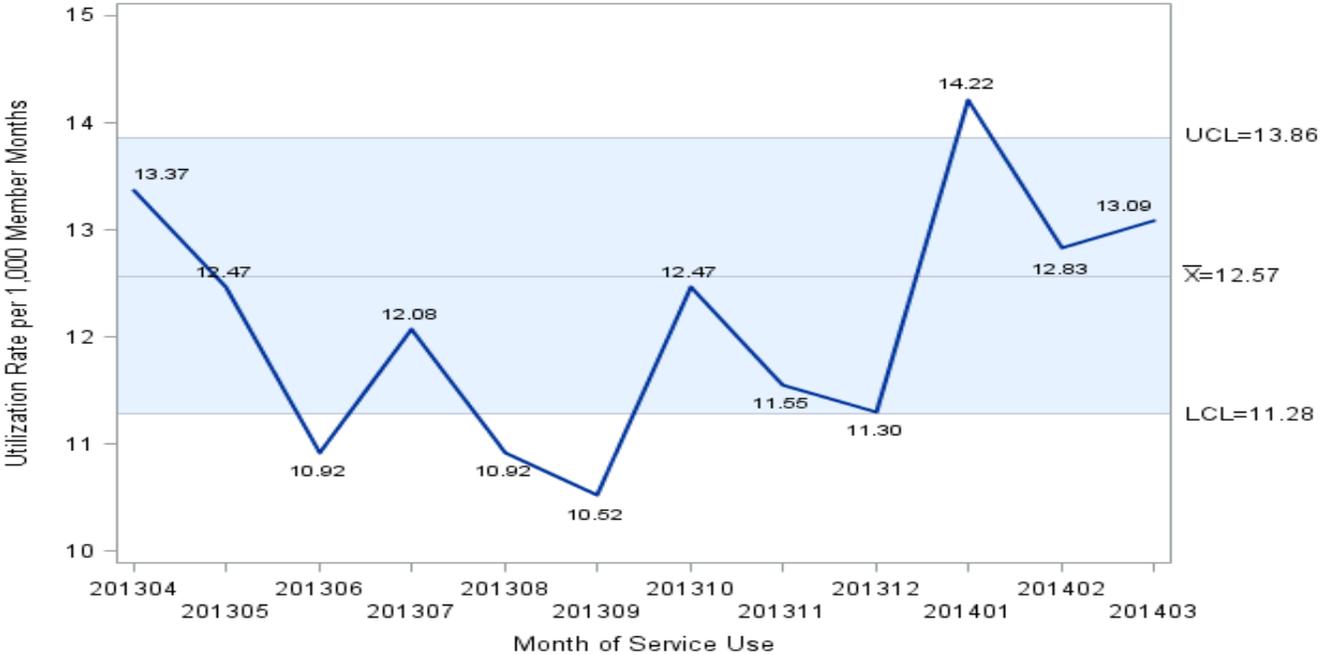


Source: Figures SU-26 and SU-27 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-26: February 2014 = 1.08; Figure SU-27: January 2014 = 166.06, March 2014 = 178.99

Trends of Monthly Home Health Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-28: Home Health Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014* Unique User Count = 826



Source: Figure SU-28 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

* Figure SU-28: May 2013 = 12.47.

Hospital Inpatient Services

Background

Hospital Inpatient services are provided by a physician to patients admitted to a hospital at least overnight, or who are transferred to another facility in the same day. Hospital Inpatient services do not include skilled nursing and intermediate care services furnished by a hospital with a swing-bed approval.

Trend Analysis – Children

- Children in the Other, SPD, and Undocumented aid categories exhibited higher Hospital Inpatient use than children in other aid categories.

Children ages 0 to 20 in the FFS Medi-Cal program and enrolled in the ACA Expansion Adult - Age 19-64 aid category are excluded from this analysis due to their relatively small user counts (< 500). Among children in the remaining aid categories, the monthly Hospital Inpatient services utilization rates ranged from 5.75 to 148.83 days per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Hospital Inpatient services utilization was highest among children in the SPD aid category. Children in the Other, Parent/Caretaker Relative & Child and Undocumented aid categories exhibited Hospital Inpatient services utilization rates that reached above the expected ranges observed in the baseline period of 2011 to 2012. Of particular note, children in the Other, Parent/Caretaker Relative & Child and Undocumented aid categories displayed noticeable increases in Hospital Inpatient services utilization during the final two quarters of 2013. These increases are attributable to an administrative change in how pregnancy-related claims are processed. The implementation of the All Patient Refined Diagnosis Related Group (APR-DRG) payment methodology in July 2013 required providers to submit hospital inpatient claims for babies separately from their mothers', where previously they were combined on a claim for the mother only. This administrative billing change resulted in an increase of inpatient claims while actual utilization of services were consistent with recent trends.

Figures SU-29 to SU-34 represent the control chart analysis for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Adults in the SPD aid category had noticeably higher Hospital Inpatient service use rates than beneficiaries in other aid categories. Service use for adults in this subpopulation was mostly within the expected ranges.

Among adults 21 and older, monthly Hospital Inpatient services utilization rates ranged from 29.44 to 304.02 days per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Similar to the trends identified for children, Hospital Inpatient services use was highest for adults in the SPD aid category. Adults in the Parent/Caretaker Relative & Child, Other, and Undocumented aid categories mostly exhibited below-average Hospital Inpatient services utilization rates that often fell below the expected ranges. Of particular note, adults in the Other aid category displayed a slight downward trend in utilization from October 2013 to March 2014. Additionally, adults in the ACA Expansion Adult – Age 19-64 aid category exhibited a decrease in the utilization of Hospital Inpatient services during the first quarter of 2014.

Figures SU-35 to SU-39 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Hospital Inpatient Services Utilization Rates among Children, April 2013–March 2014

Figure SU-29: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014* Unique User Count = 792

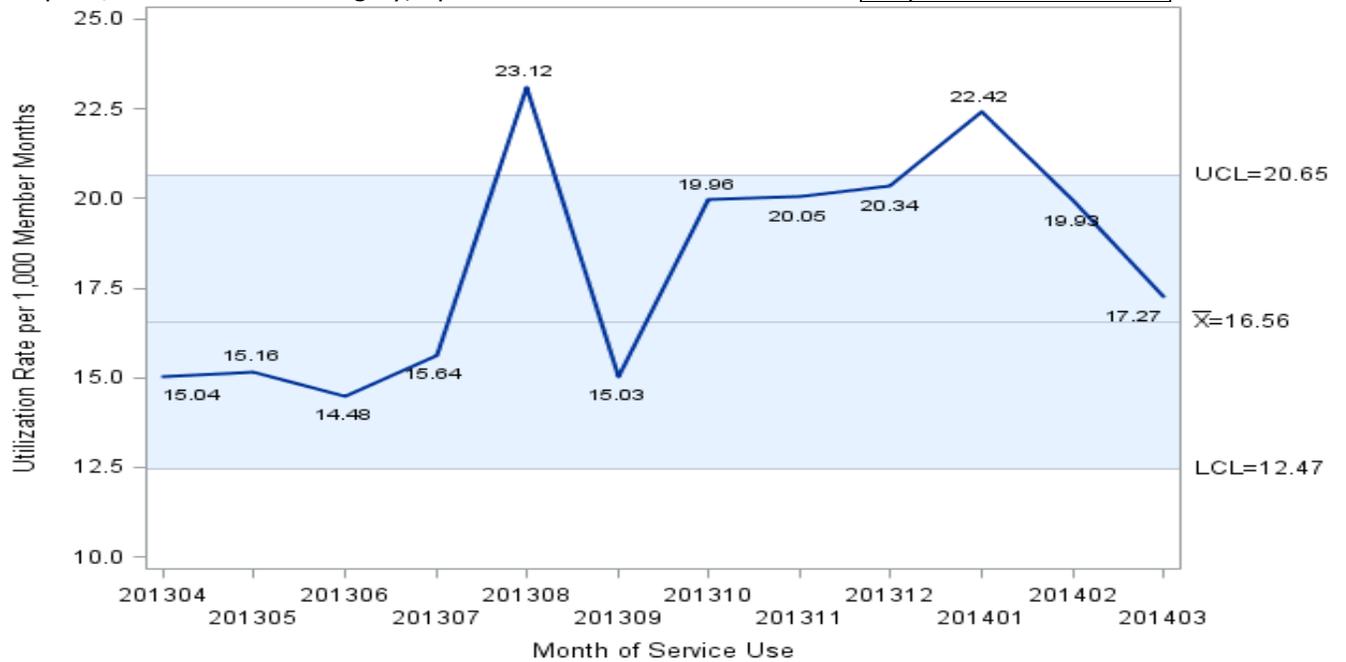


Figure SU-30: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014 Unique User Count = 673

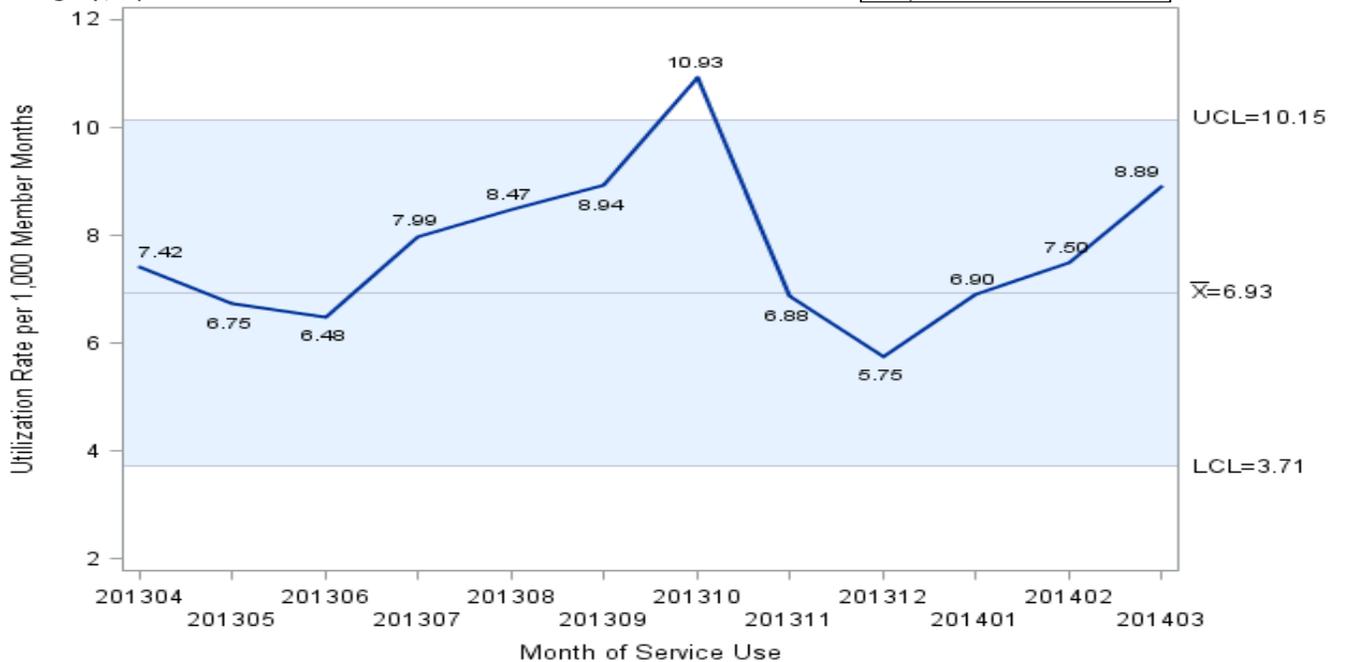


Figure SU-31: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014*[†]

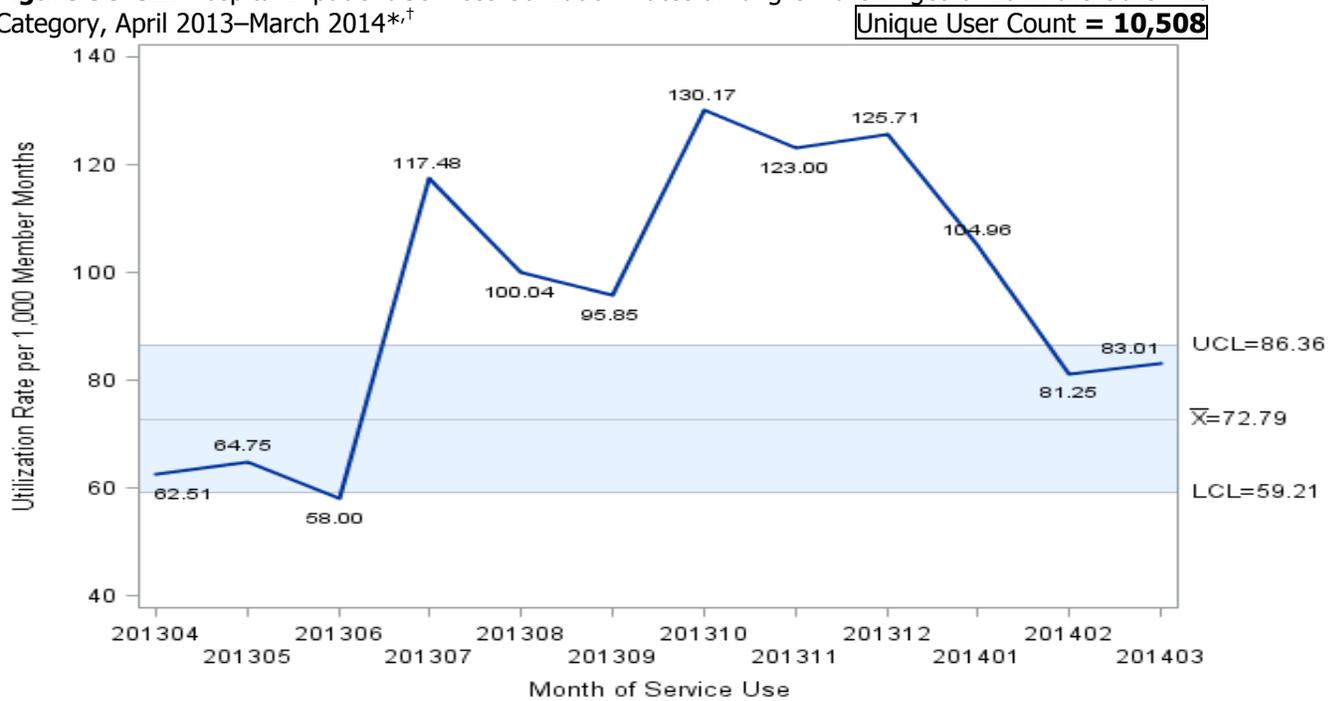


Figure SU-32: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014[†]

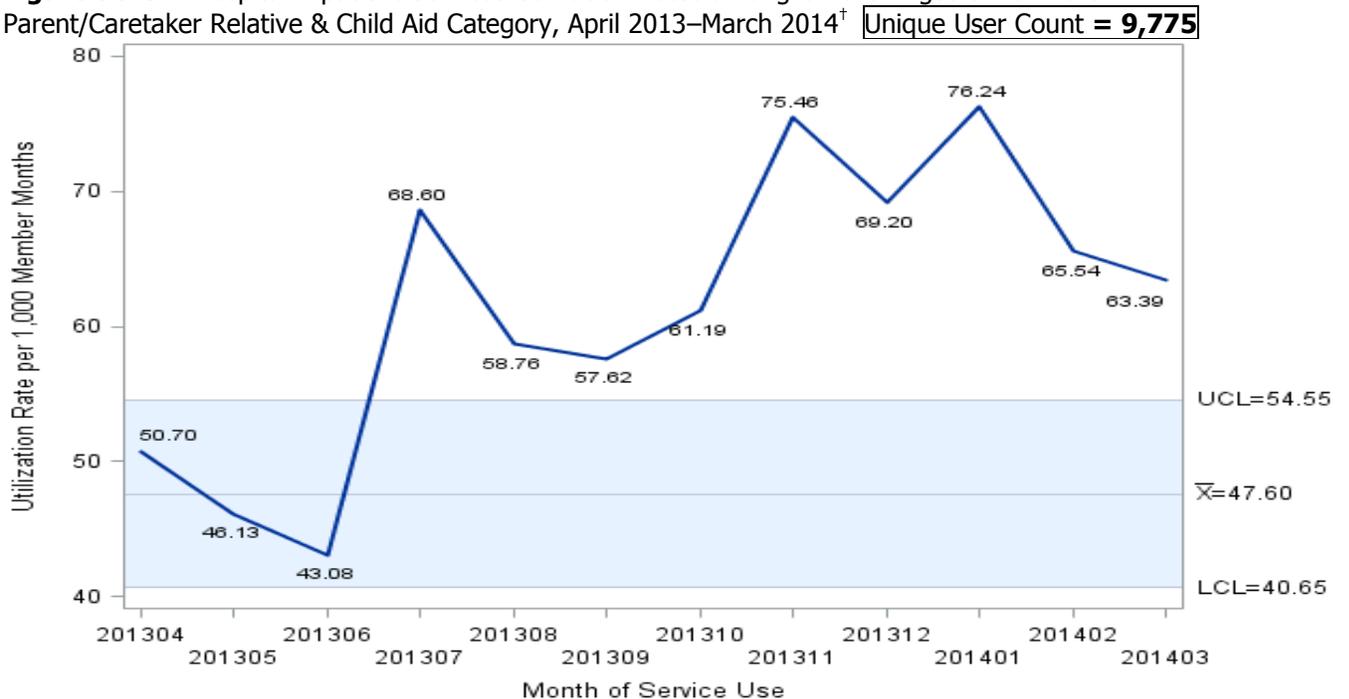


Figure SU-33: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014* Unique User Count = 1,063

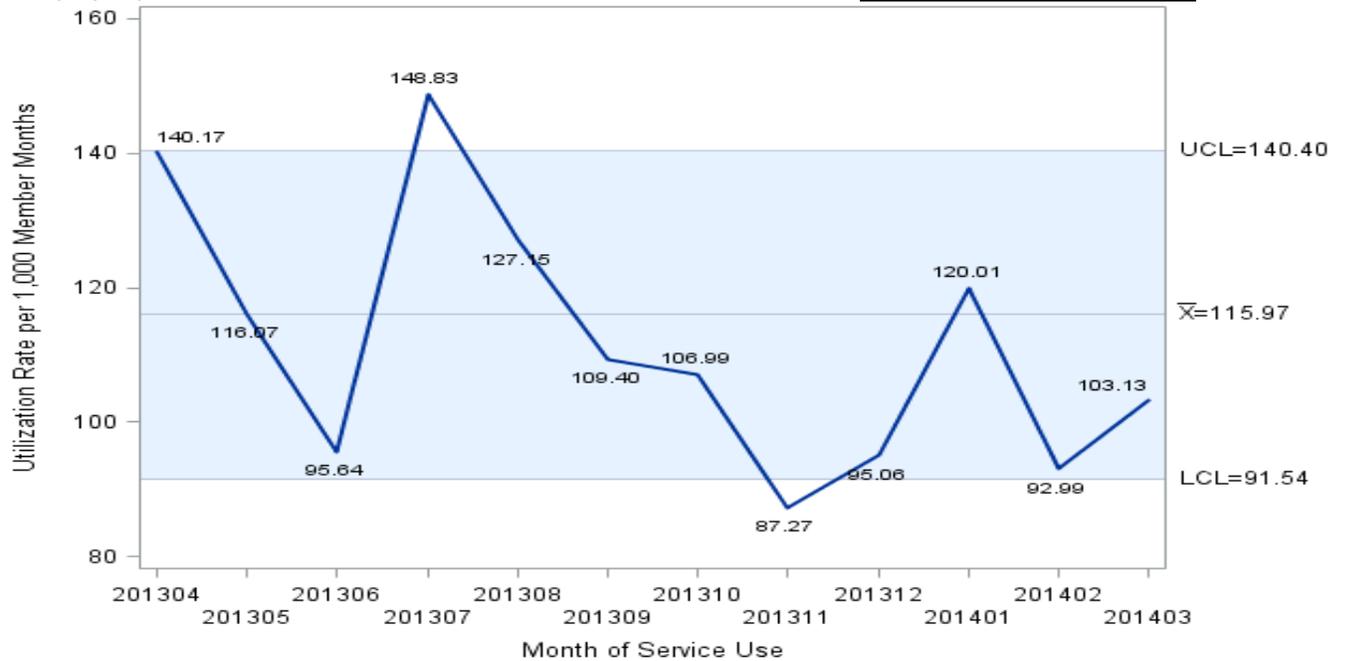
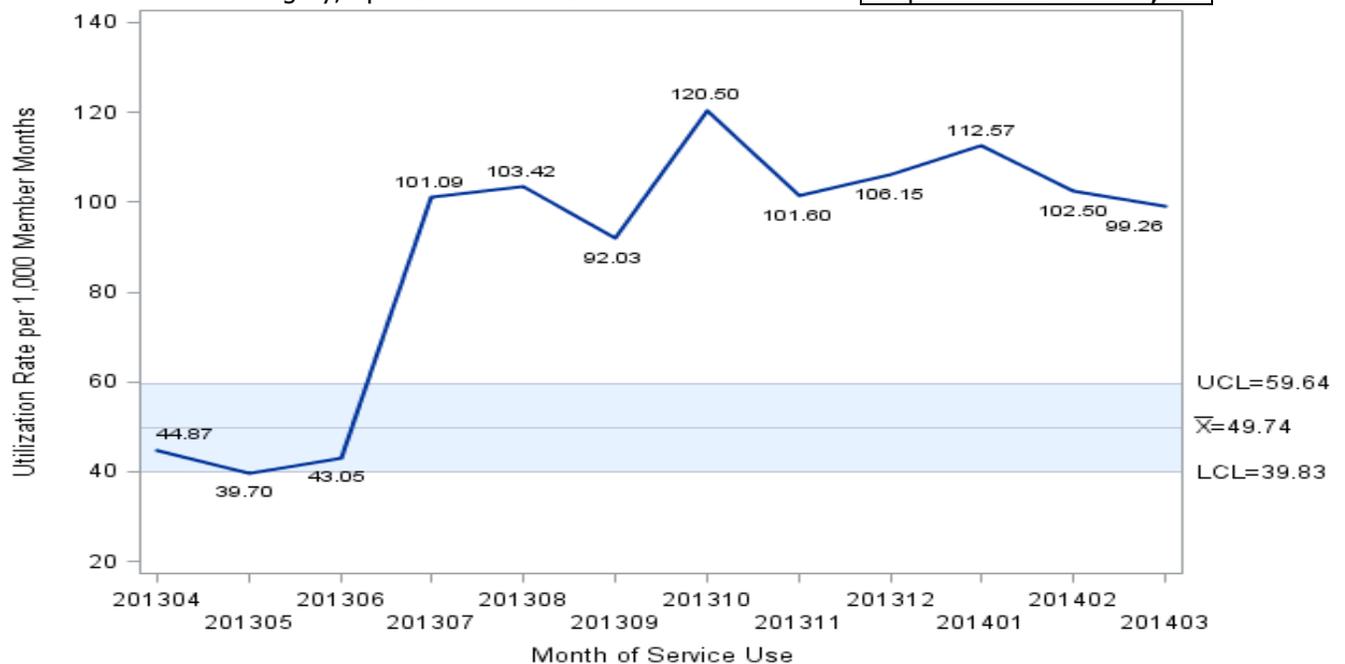


Figure SU-34: Hospital Inpatient Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014† Unique User Count = 12,736



Source: Figures SU-29 to SU-34 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-29: February 2014 = 19.93; Figure SU-31: January 2014 = 104.96; Figure SU-33: May 2013 = 116.07, August 2013 = 127.15, December 2013 = 95.06.

†Refer to the Trend Analysis for Children on page 34 for an explanation of the change in trend starting July 2013.

Trends of Monthly Hospital Inpatient Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-35: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014* **Unique User Count = 7,107**

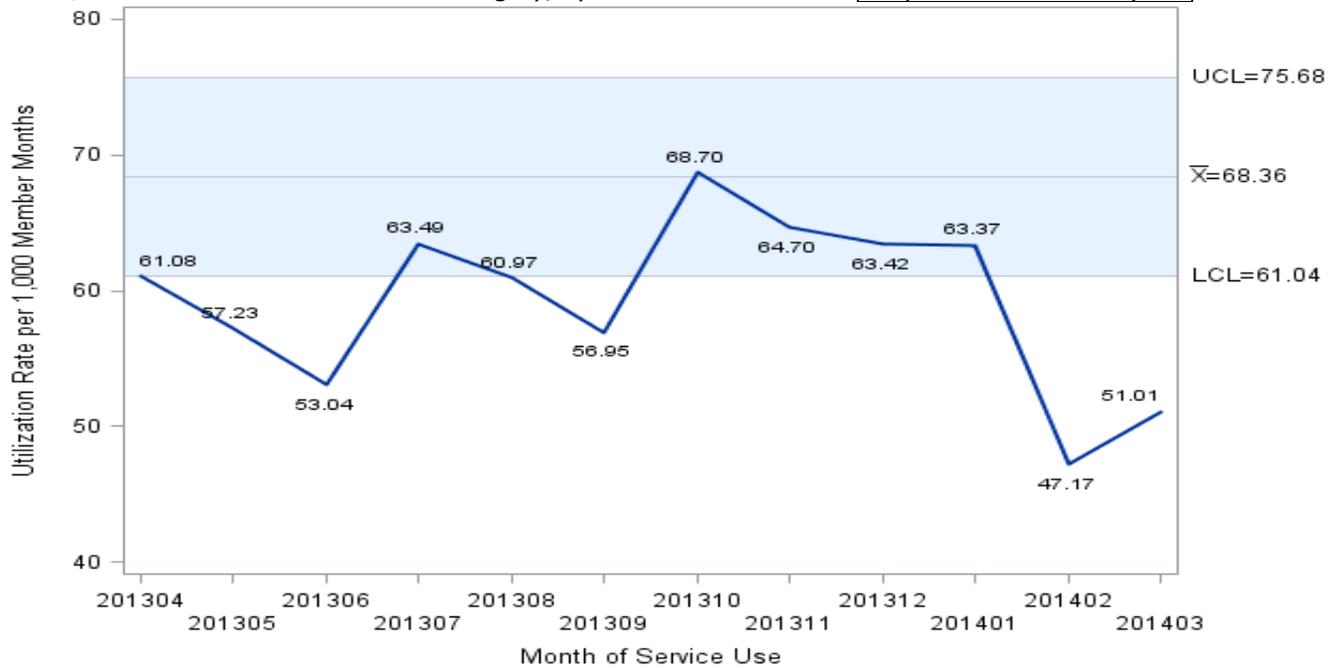


Figure SU-36: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014 **Unique User Count = 10,650**

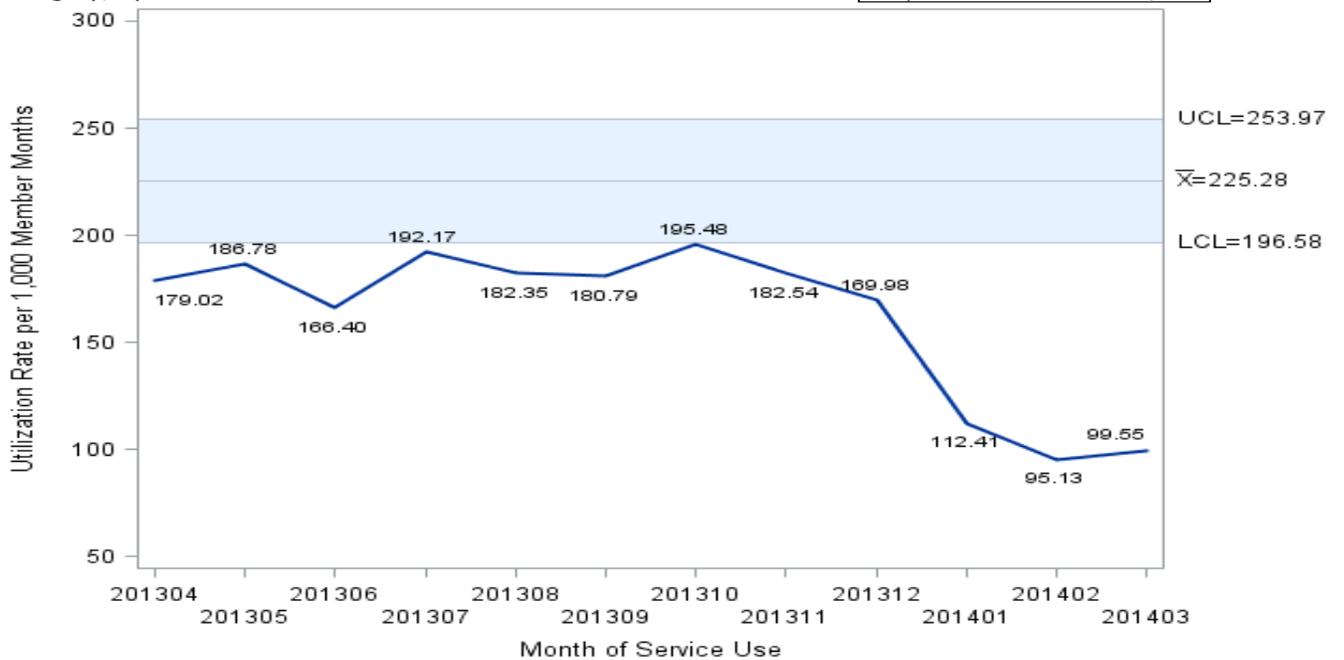


Figure SU-37: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014* Unique User Count = 6,224

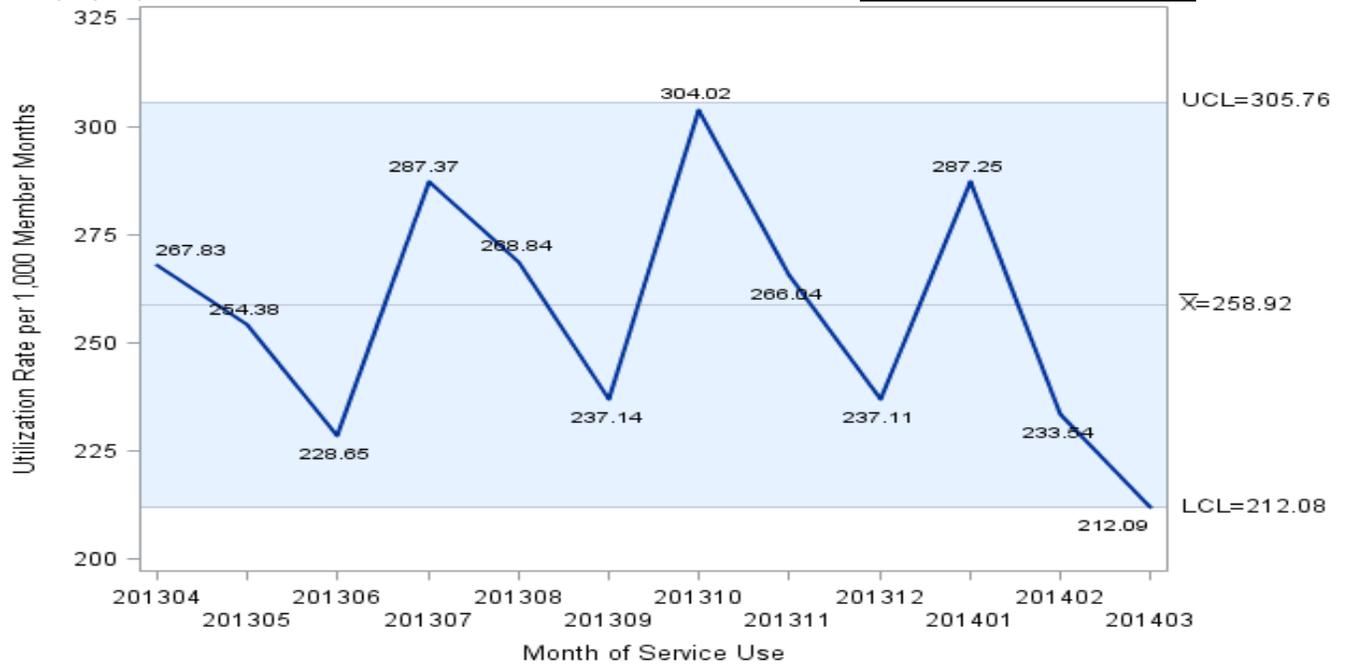


Figure SU-38: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 18,543

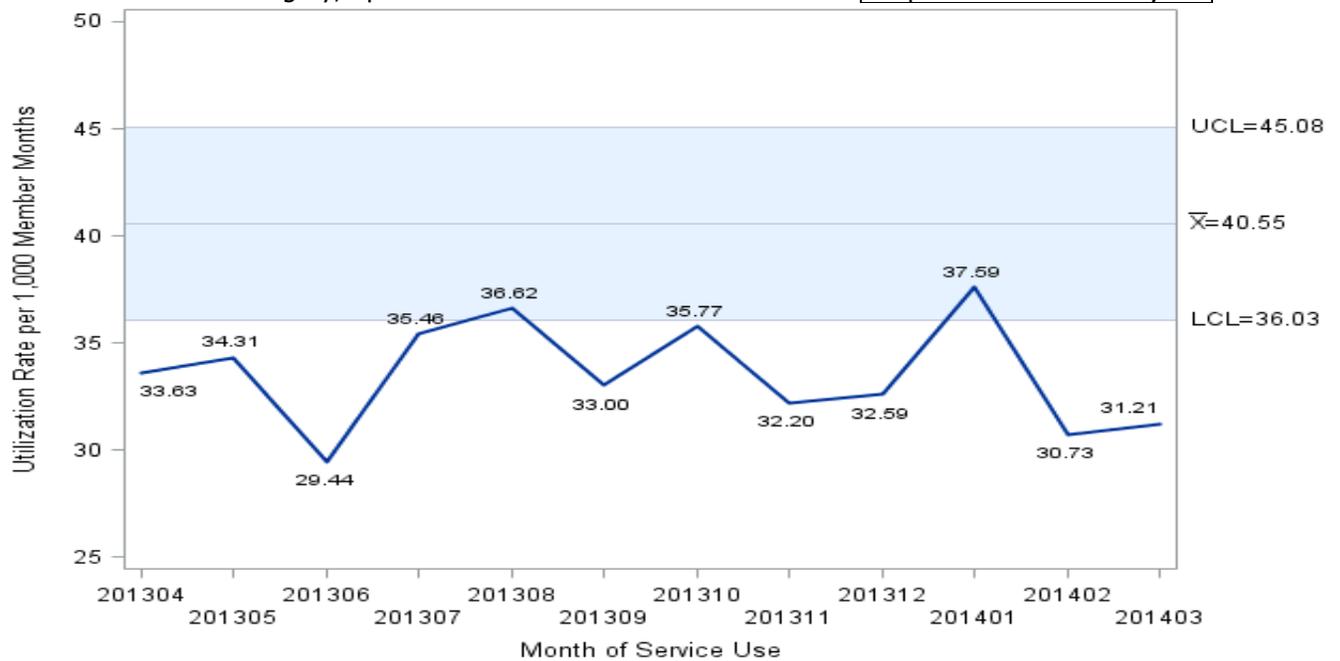
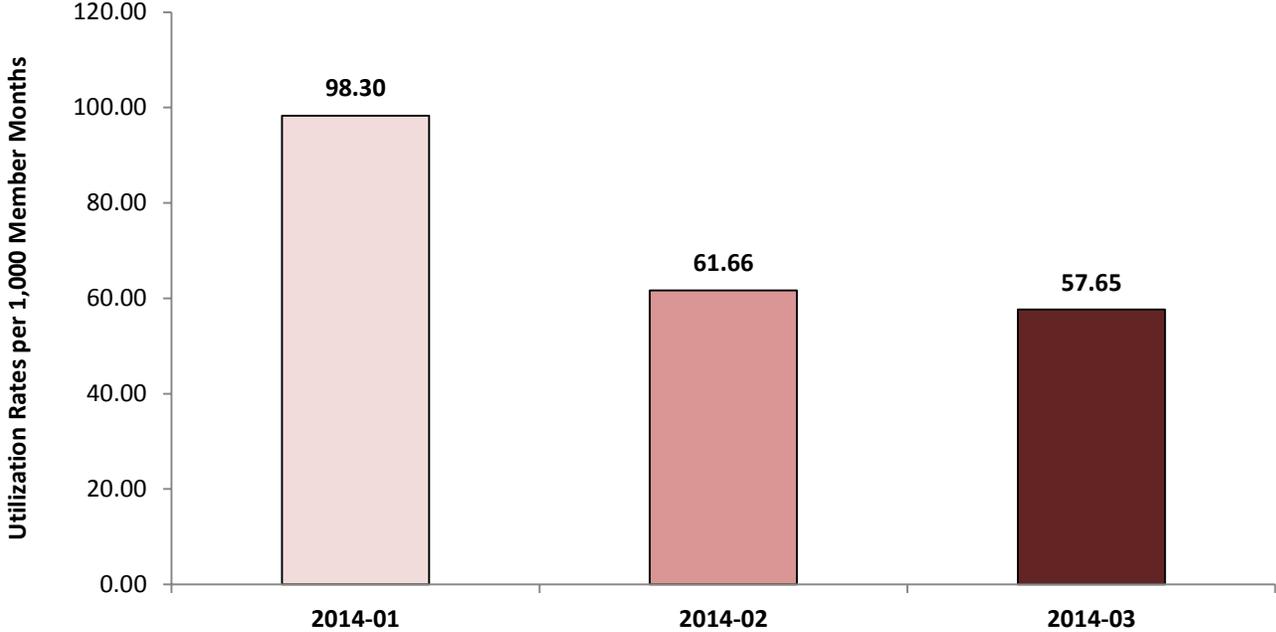


Figure SU-39: Hospital Inpatient Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = 14,251



Source: Figures SU-35 to SU-39 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-35: May 2013 = 57.23; Figure SU-37: May 2013 = 254.38, August 2013 = 268.84, November 2013 = 266.04, February 2014 = 233.54.

Hospital Outpatient Services

Background

Hospital Outpatient services are diagnostic, preventative, or therapeutic services furnished on an outpatient basis on the premises of a hospital. These services are rendered with the expectation that a patient will not require services beyond a 24-hour period. Hospital Outpatient services may include visits to an emergency room, as well as scheduled procedures that do not require overnight hospitalization.

Trend Analysis – Children

- Children in the SPD aid category used Hospital Outpatient services at higher rates than children in other aid categories.

Among children ages 0 to 20 in the Medi-Cal FFS program, monthly Hospital Outpatient services utilization rates ranged from 19.96 to 180.66 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Hospital Outpatient services utilization was noticeably highest among children in the SPD aid category. Children in the CHIP, Other, Parent/Caretaker Relative & Child, and SPD aid categories mostly exhibited below-average utilization, while children in the Adoption/Foster Care and Undocumented aid categories primarily displayed normal utilization patterns. Additionally, children in the CHIP and Parent/Caretaker Relative & Child aid categories exhibited utilization rates that reached below the expected ranges observed in the baseline period of 2011 to 2012.

Figures SU-40 to SU-46 represent the control chart analysis for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Adults in the Other and SPD aid categories experienced high utilization rates for Hospital Outpatient services.

The monthly Hospital Outpatient services utilization rates for adults ages 21 and older ranged from 44.37 to 281.71 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Hospital Outpatient services utilization rates were noticeably higher among adults in the SPD and Other aid categories. Adults in the Parent/Caretaker Relative & Child, Other, and Undocumented aid categories primarily exhibited below-average use of Hospital Outpatient services, while adults in the SPD category mostly displayed normal utilization patterns. Additionally, Hospital Outpatient services utilization rates for adults in the Other and Parent/Caretaker Relative & Child aid categories declined below the expected baseline ranges during the last two quarters of the study period.

Figures SU-47 to SU-51 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Hospital Outpatient Services Utilization Rates among Children, April 2013–March 2014

Figure SU-40: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014 Unique User Count = 12,394

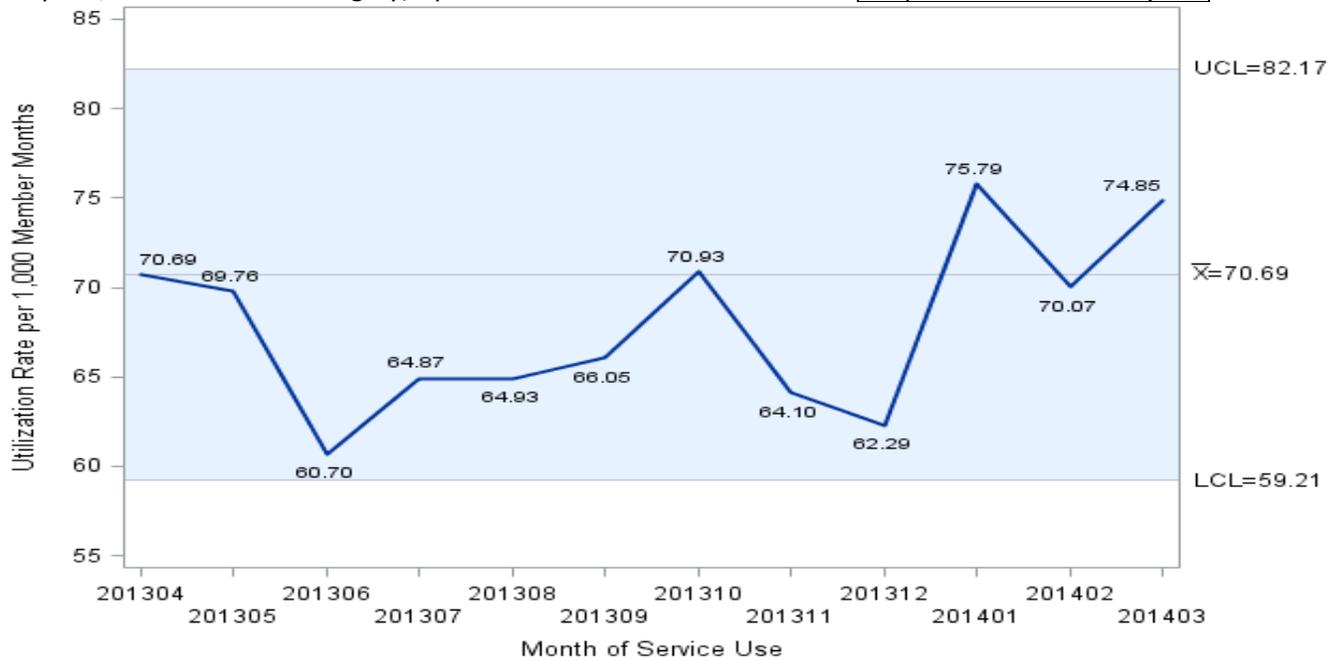


Figure SU-41: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014* Unique User Count = 7,333

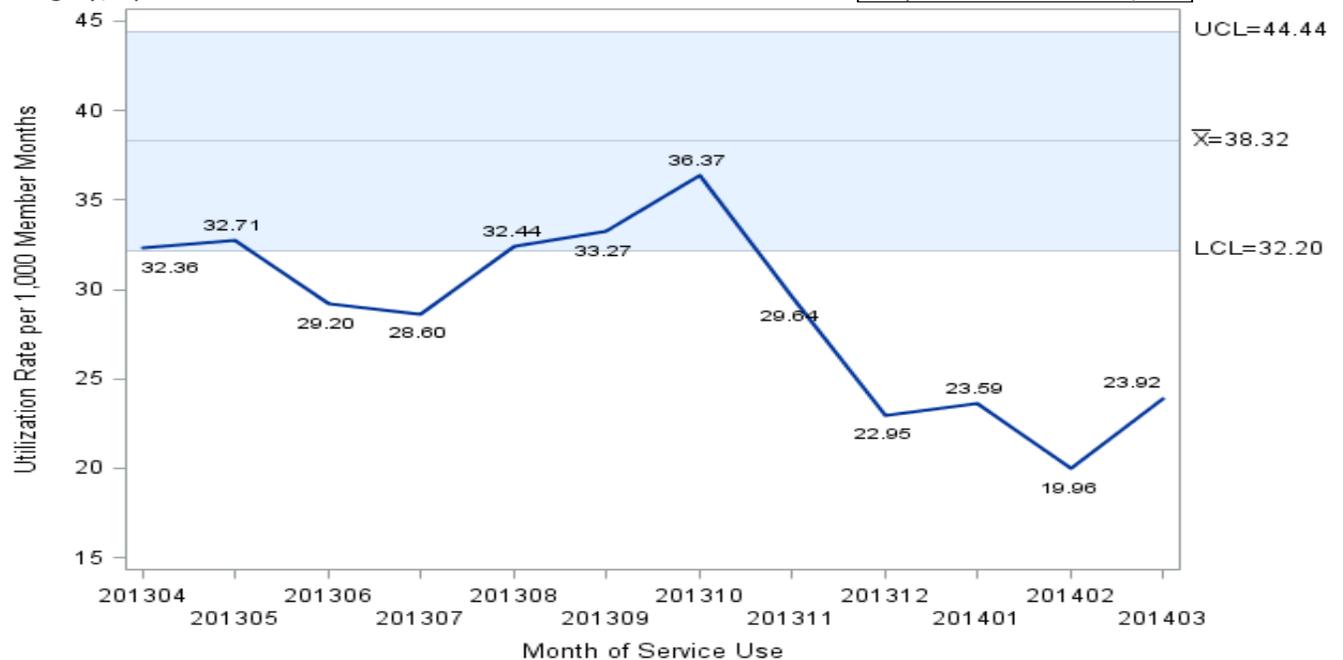


Figure SU-42: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014

Unique User Count = **22,848**

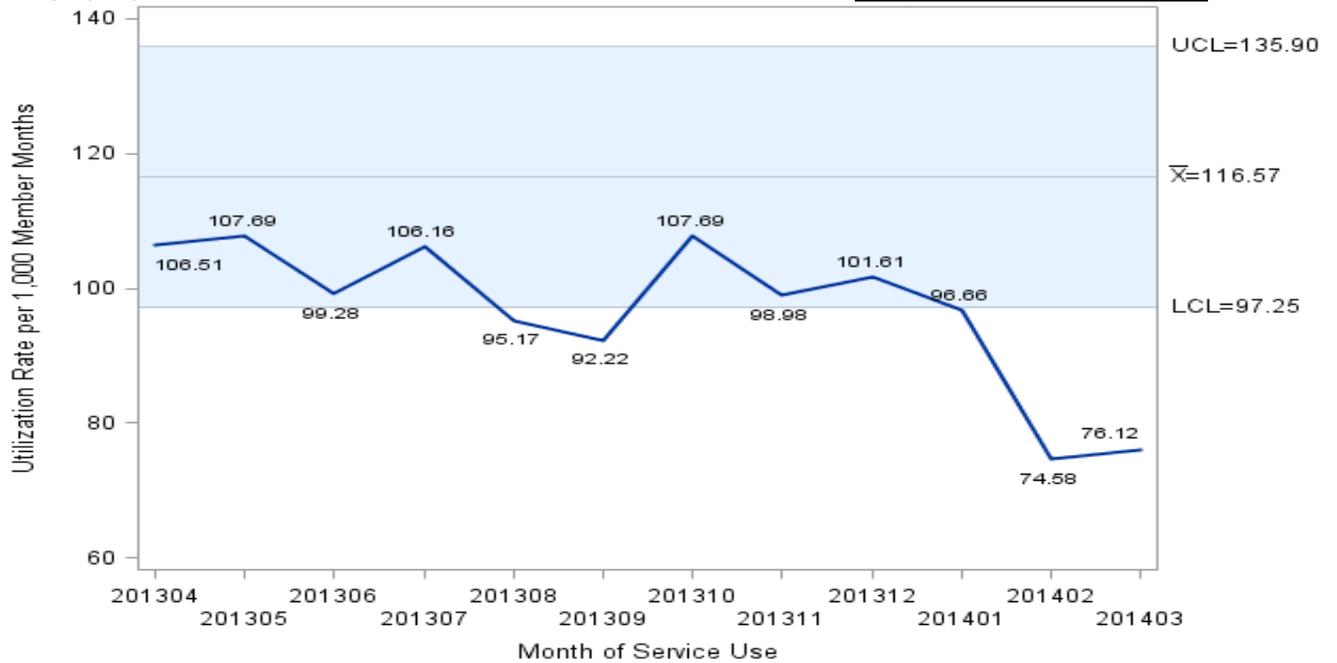


Figure SU-43: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014

Unique User Count = **45,284**

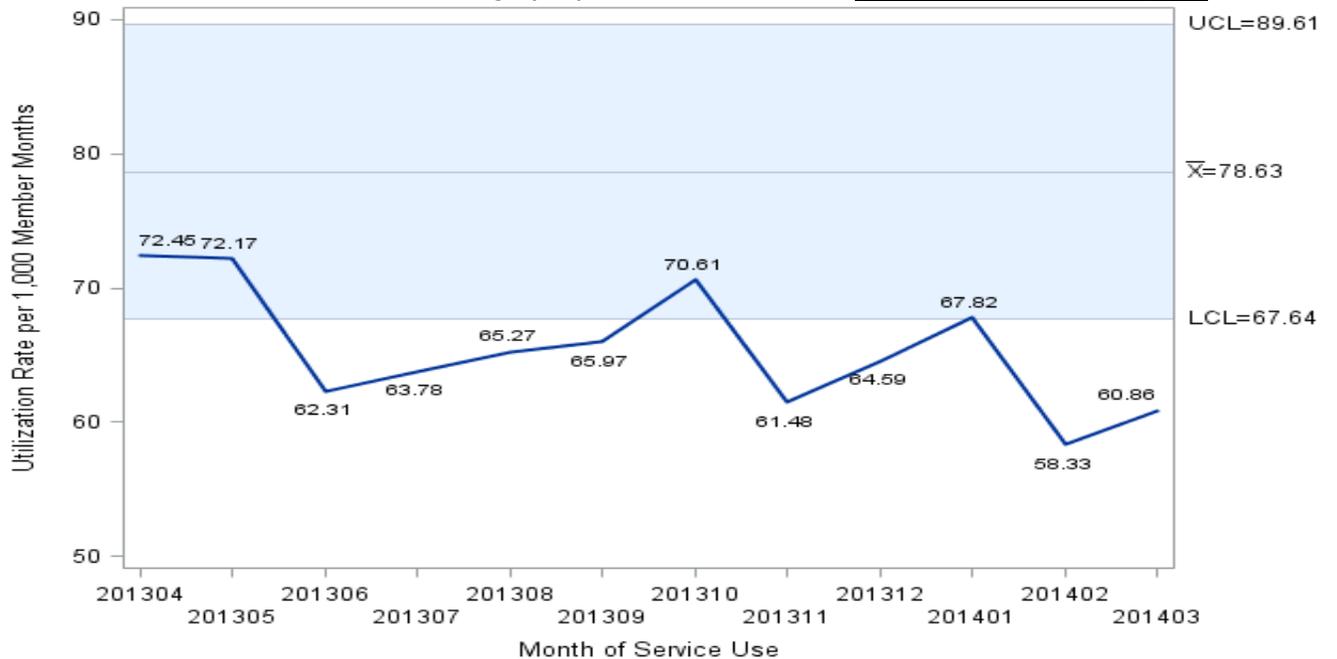


Figure SU-44: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014*

Unique User Count = **6,941**

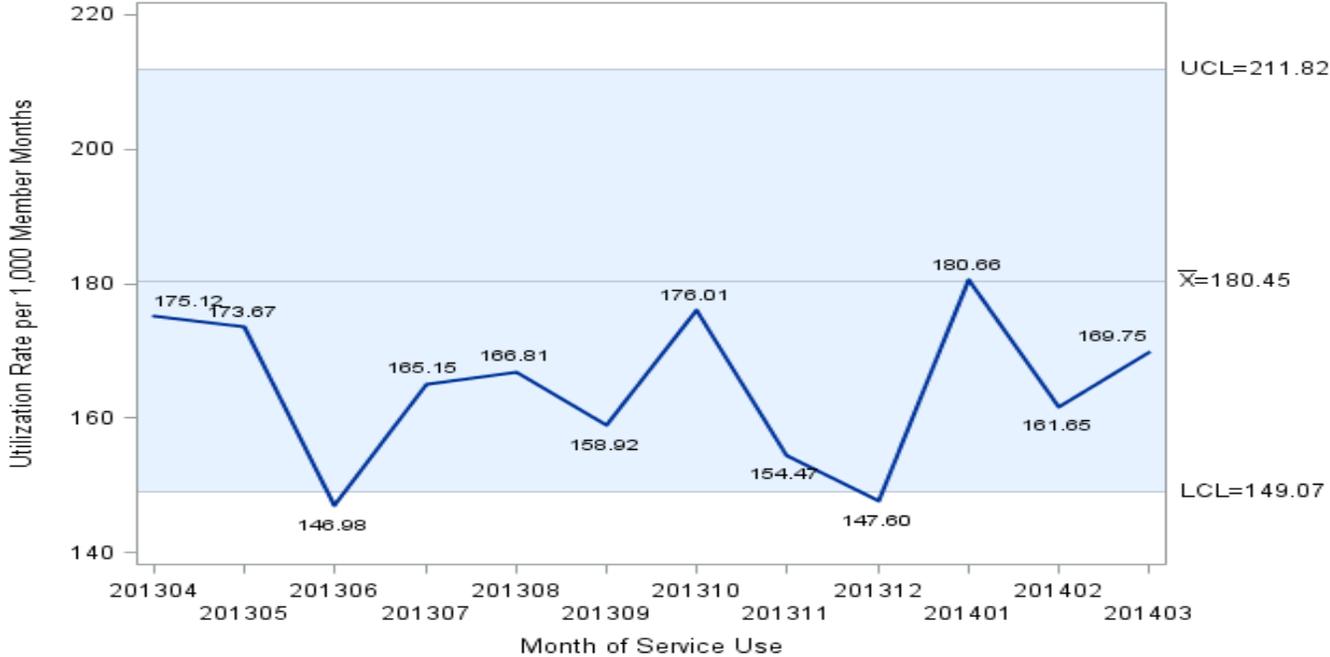


Figure SU-45: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014*

Unique User Count = **18,363**

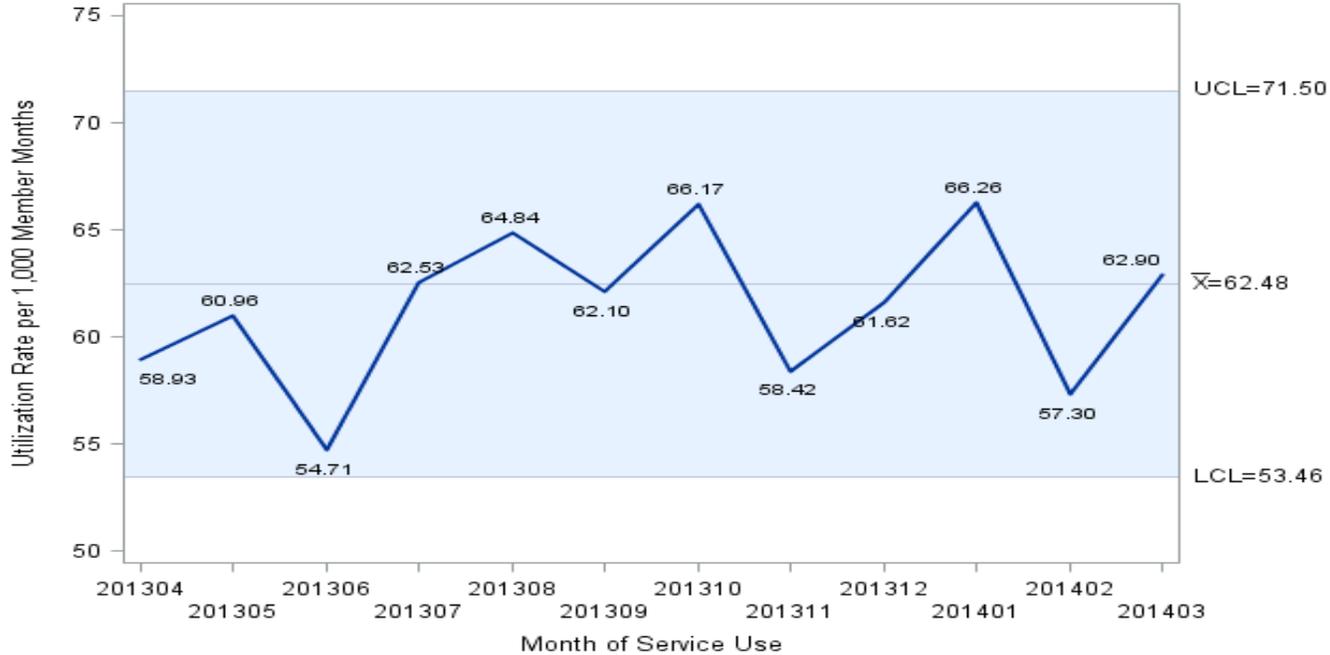
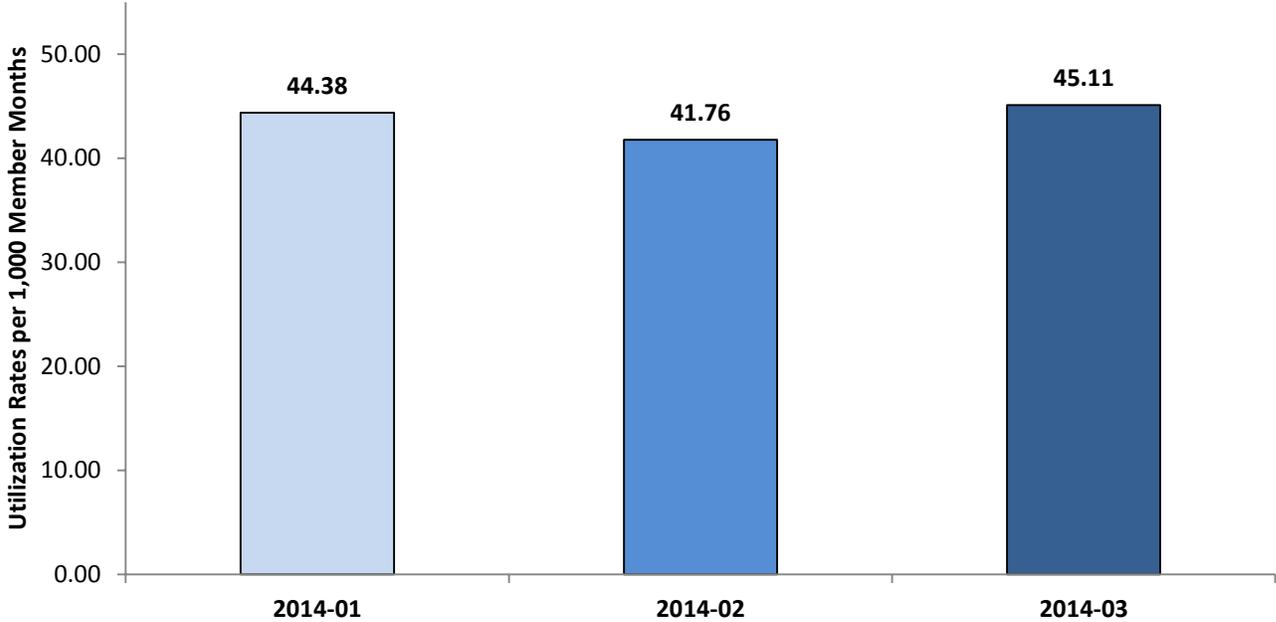


Figure SU-46: Hospital Outpatient Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014

Unique User Count = **2,153**



Source: Figures SU-40 to SU-46 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-41: November 2013 = 29.64; Figure SU-44: April 2013 = 175.12, May 2013 = 173.67; Figure SU-45: December 2013 = 61.62.

Trends of Monthly Hospital Outpatient Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-47: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014 Unique User Count = 32,990

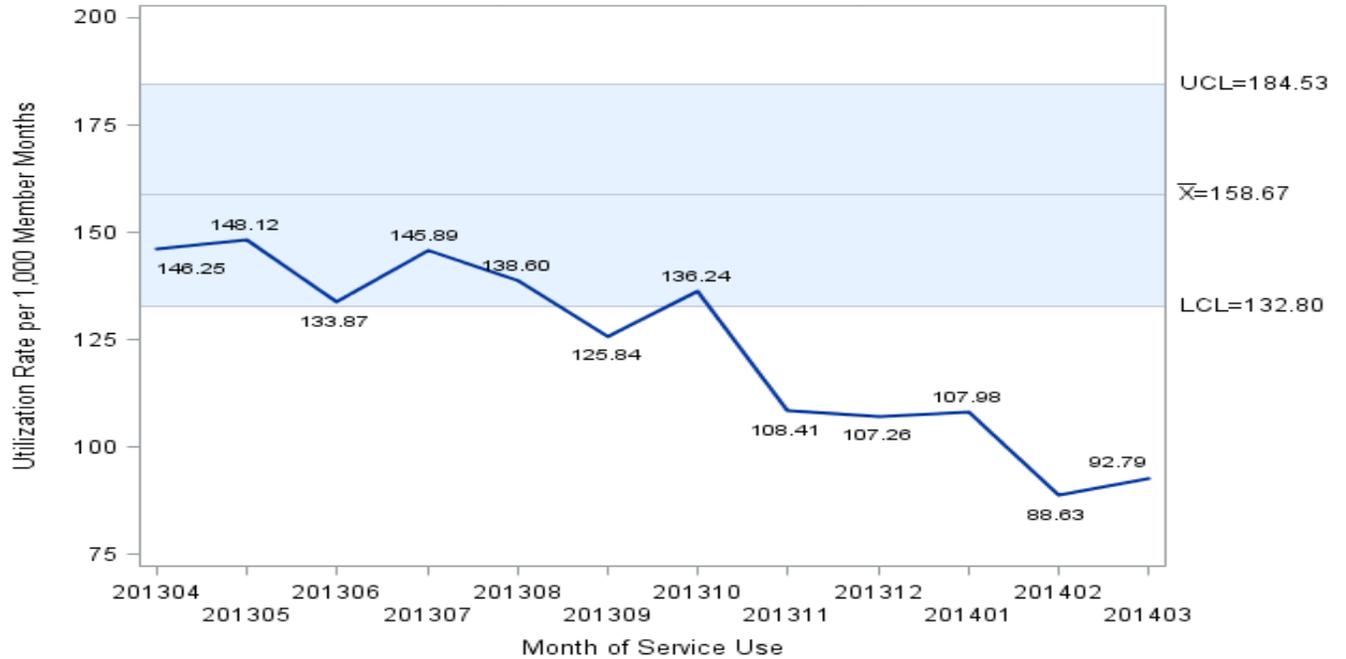


Figure SU-48: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014* Unique User Count = 24,667

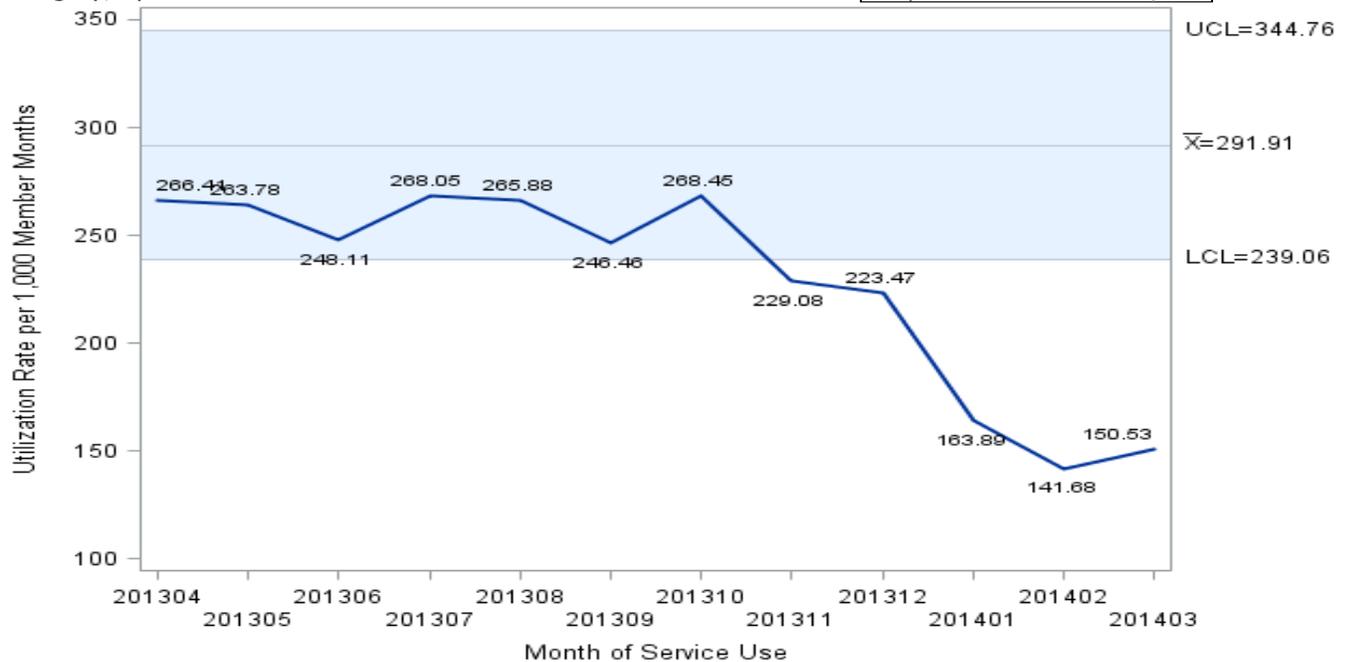


Figure SU-49: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014

Unique User Count = **24,088**

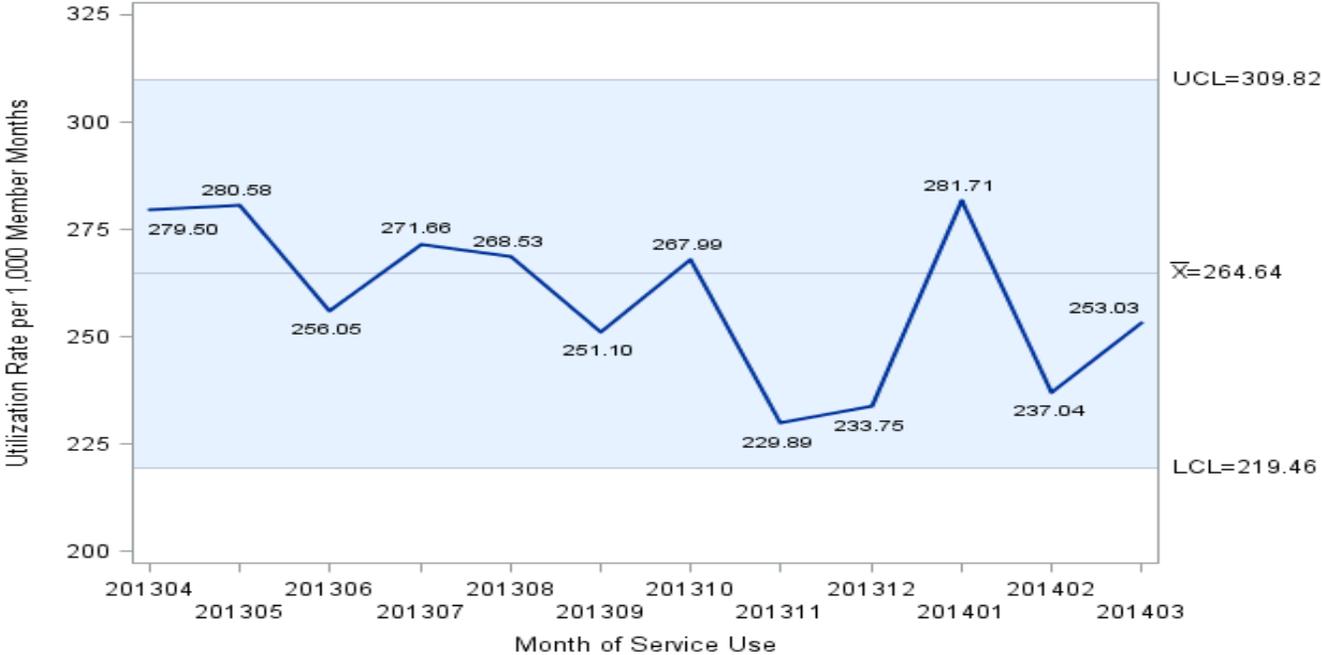


Figure SU-50: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014

Unique User Count = **54,506**

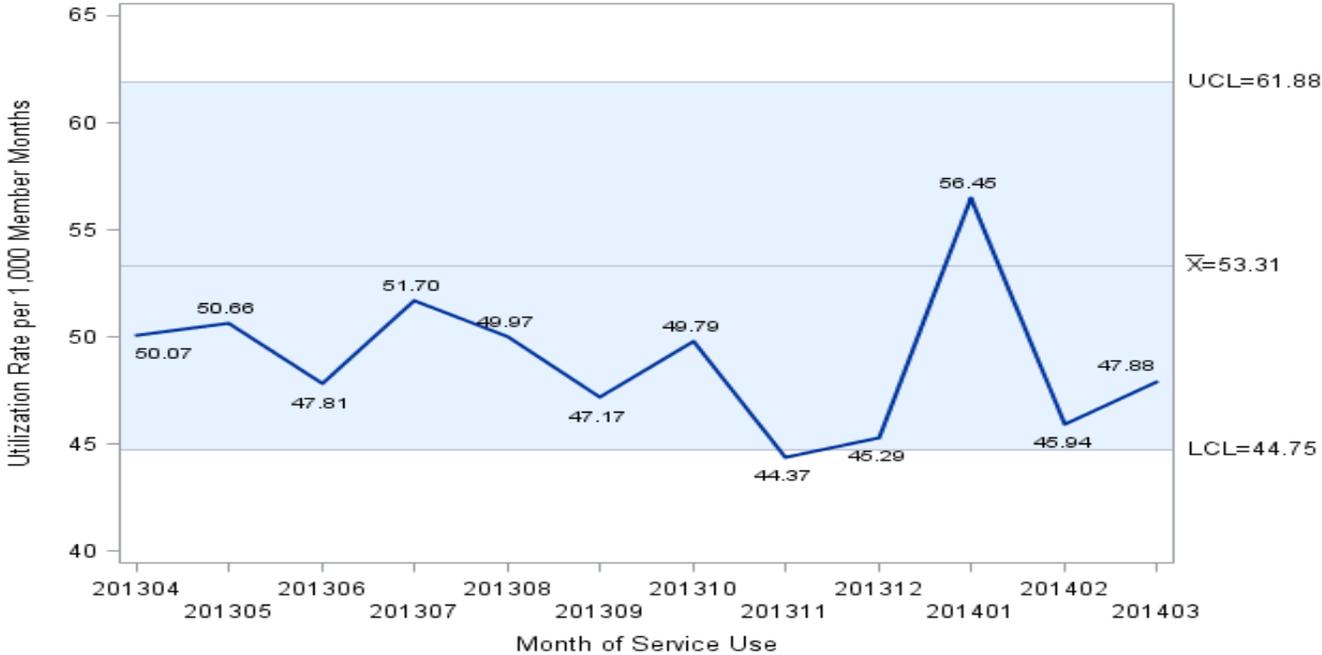
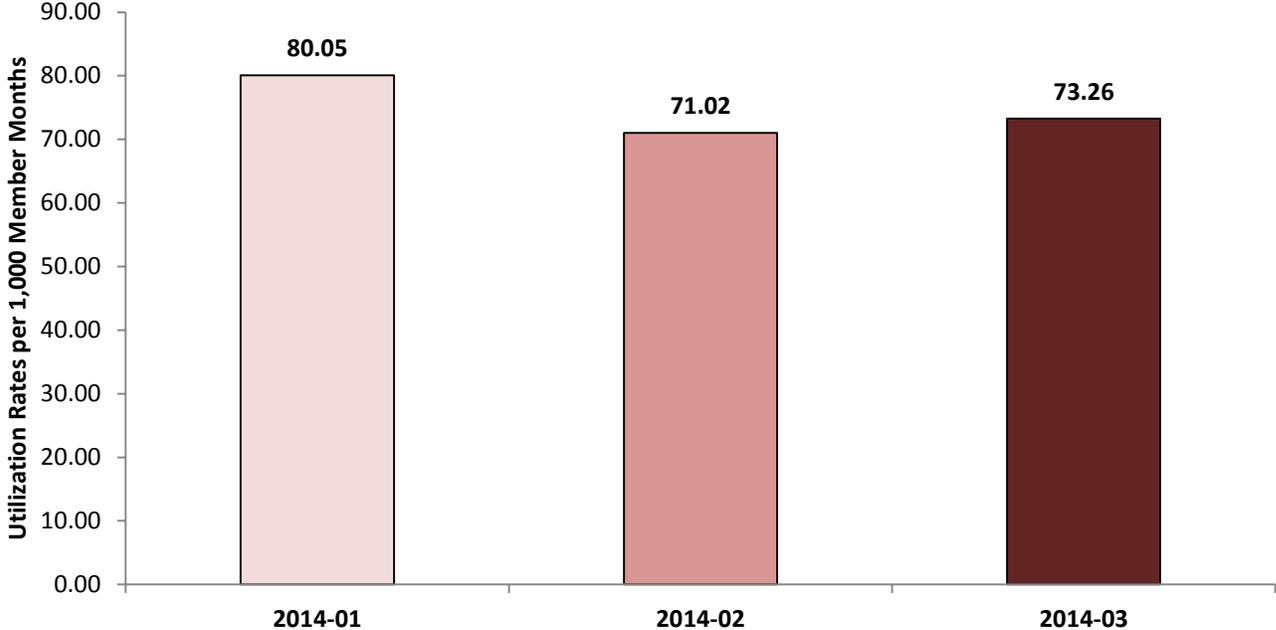


Figure SU-51: Hospital Outpatient Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = 62,890



Source: Figures SU-47 to SU-51 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-48: April 2013 = 266.41; May 2013 = 263.78.

Nursing Facility Services

Background

Nursing Facility services offered under the Medi-Cal program encompass a variety of provider types, including intermediate care facilities for the developmentally disabled (ICF/DD), nursing facility Level A and B care, and certified hospice services.

ICF/DD facilities provide 24-hour personal, habilitation, developmental, and supportive health care to clients who need developmental services and who have a recurring but intermittent need for skilled nursing services. There are three types of ICF/DD facilities that are distinguished by the different levels of developmental and skilled nursing services they provide. ICF/DD facilities primarily provide developmental services for individuals who may have a recurring, intermittent need for skilled nursing. ICF/DD–Habilitative facilities provide developmental services to 15 or fewer clients who do not require the availability of continuous skilled nursing care. ICF/DD–Nursing facilities offer the same services as those found in an ICF/DD–Habilitative facility, but focus their services on medically frail persons requiring a greater level of skilled nursing care.

Nursing Facility Level A (NF-A) provides intermediate care for non-developmentally disabled clients. These facilities provide inpatient care to ambulatory or non-ambulatory patients who have a recurring need for skilled nursing supervision and supportive care, but who do not require the availability of continuous skilled nursing care.

Skilled Nursing Facility Level B (SNF-B) provides skilled nursing and supportive care to patients whose primary need is for continuous care on an extended basis, such as those with physical and/or mental limitations and those requiring subacute care.

Certified hospice services are designed to meet the unique needs of terminally ill individuals who opt to receive palliative care versus care to treat their illness. The following providers may render hospice services to program beneficiaries: hospitals; skilled nursing facilities; intermediate care facilities; home health agencies; and licensed Medi-Cal health providers who are certified by Medicare to provide hospice services. Hospice services may include: nursing and physician services; medical social and counseling services; home health aide and homemaker services; bereavement counseling; and any additional service that may otherwise be paid under the Medi-Cal program.

FFS Medi-Cal beneficiaries in the Undocumented aid category are not eligible for Nursing Facility services, and were consequently excluded from this analysis.

Trend Analysis – Children

Children in all of the aid categories are excluded from this analysis because of their relatively small user counts (< 500).

Trend Analysis – Adults

- Nursing Facility use is now concentrated among adults in the Other and SPD aid categories.

This analysis only focuses on Nursing Facility services utilization among Medi-Cal adults 21 and older participating in the FFS program and enrolled in the ACA Expansion Adult – Age 19-64, Other, and SPD aid categories. Adults in the Parent/Caretaker Relative & Child aid category were excluded due to their relatively small user counts (< 500).

Among adults in these aid categories, the monthly Nursing Facility services utilization rates ranged from 8.32 to 2,380.07 days per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. The Nursing Facility services utilization rates were highest among adults in the SPD aid category. Although displaying high rates, adults in the Other aid category exhibited below-average Nursing Facility services utilization that predominantly fell below the expected ranges observed in the baseline period of 2011 to 2012. In contrast, adults in the SPD aid category displayed above-average utilization of Nursing Facility services that reached levels well above the expected ranges throughout the study period. Additionally, compared to beneficiaries in the Other and SPD aid groups, adults in the ACA Expansion Adult – Age 19-64 aid category rarely utilized these services.

FFS Medi-Cal beneficiaries in the Undocumented aid category are not eligible for Nursing Facility Services, and were consequently excluded from this analysis.

Figures SU-52 to SU-54 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Nursing Facility Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-52: Nursing Facility Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014

Unique User Count = **4,788**

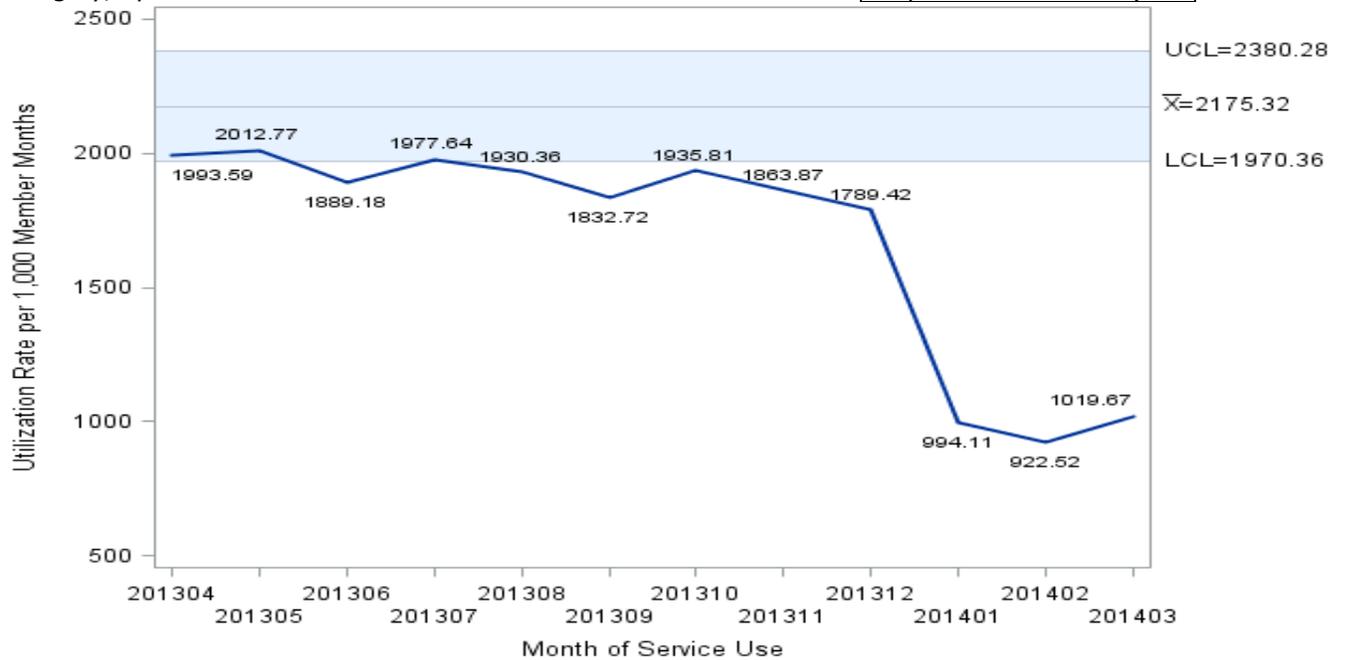


Figure SU-53: Nursing Facility Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014

Unique User Count = **7,539**

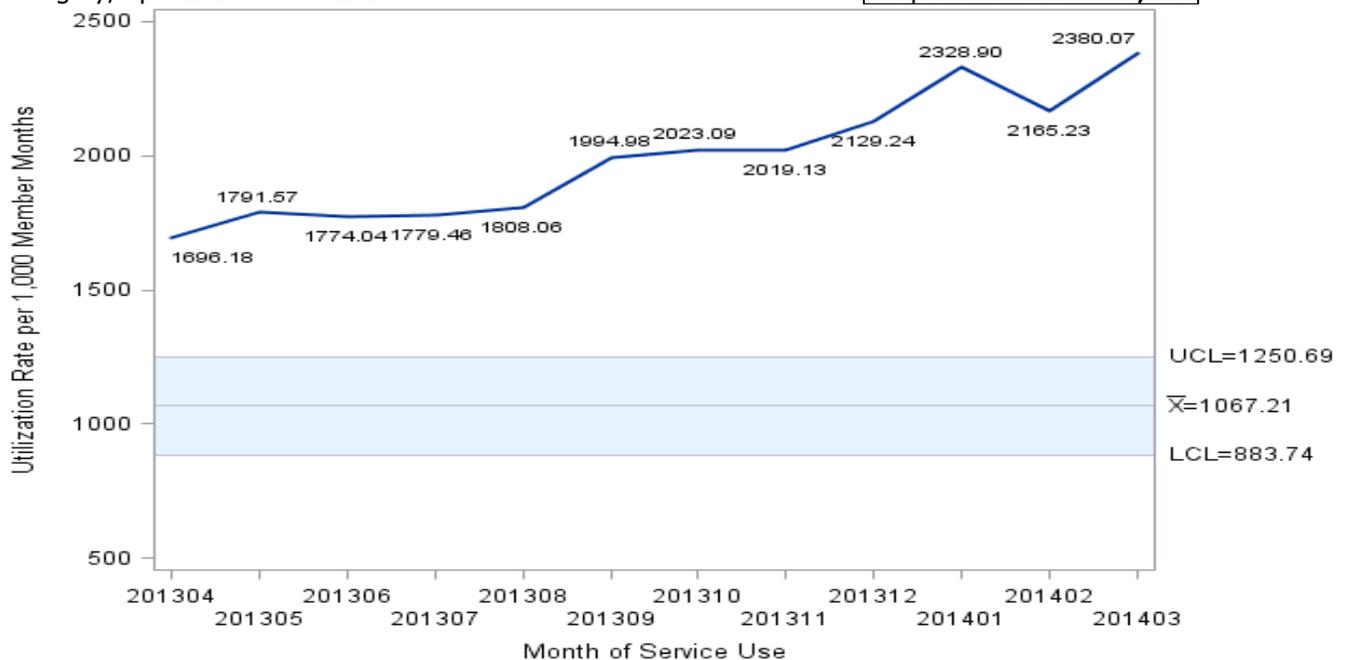
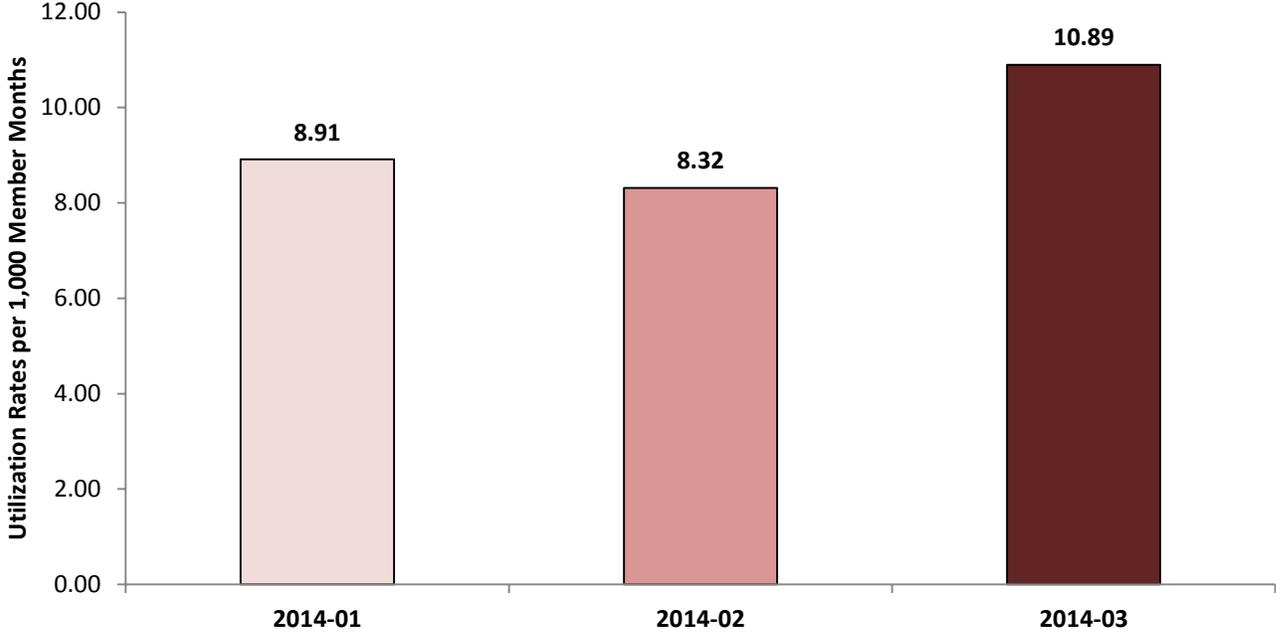


Figure SU-54: Nursing Facility Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Age 19-64 Aid Category, January 2014–March 2014

Unique User Count = **608**



Source: Figures SU-52 to SU-54 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

Pharmacy Services

Background

Pharmacy services are the most frequently used Medi-Cal benefit and the fastest-growing portion of the Medi-Cal budget. Pharmacy coverage represents a significant proportion of the benefits received by the elderly and beneficiaries with a disability, mental illness, or chronic condition.

Pharmacy providers not only dispense prescription drugs, but also bill for over-the-counter drugs, enteral formula, medical supplies, incontinent supplies, and durable medical equipment. Most outpatient prescription drug claims are billed by pharmacy providers. Physicians and clinics may also bill for drugs administered in their office, as well as for prenatal care vitamins that are distributed through Comprehensive Perinatal Services Program providers.

Pharmacy services for beneficiaries eligible for FFS Medi-Cal Only are restricted to six prescriptions per month per beneficiary for most drugs. Prior authorization is needed to obtain coverage beyond the six-prescription cap. A copayment of \$1 per prescription is required for most beneficiaries, although beneficiaries cannot be denied coverage if they are unable to afford the copayment. Federal law prohibits states from imposing cost-sharing on children, pregnant women, and institutionalized beneficiaries, as well as for family planning services, hospice services, emergencies, and American Indians served by an Indian health care provider.

Trend Analysis – Children

- Pharmacy service use was higher among children in the SPD aid category than it was for children in other aid categories.

The monthly Pharmacy services utilization rates for children ages 0 to 20 in the FFS Medi-Cal program ranged from 21.02 to 1,402.08 prescriptions per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. The utilization of Pharmacy services was noticeably higher among children in the SPD aid category with rates about two to three times higher than children in the Adoption/Foster Care aid category and around five to seven times higher than children in the Parent/Caretaker Relative & Child and Other aid categories. Children in the CHIP, Other, and Parent/Caretaker Relative & Child aid categories primarily displayed below-average Pharmacy services utilization that reached levels below the expected ranges observed in the baseline period of 2011 to 2012. In contrast, children in the Adoption/Foster Care and SPD aid categories exhibited predominantly normal use patterns. Additionally, children in the ACA Expansion Adult – Age 19-64 aid category exhibited an increase in the utilization of Pharmacy services during the first quarter of 2014.

Figures SU-55 to SU-61 represent the control chart analysis for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Use of Pharmacy services was highest among adults in the SPD aid category.

Among adults 21 and older, monthly Pharmacy services utilization rates ranged from 180.25 to 2,844.57 prescriptions per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Pharmacy services utilization was noticeably higher among adults in the SPD aid category. Adults in the Other aid category exhibited high utilization rates for Pharmacy services, while adults in the ACA Expansion Adults – Age 19-64 and Undocumented aid categories utilized these services at much lower rates. Adults in the Other, Parent/Caretaker Relative & Child, and SPD aid categories displayed below-average Pharmacy services utilization, while adults in the Undocumented aid category mostly displayed normal use patterns. The Pharmacy services utilization rates for adults in the Other and Parent/Caretaker Relative & Child aid categories reached below the expected ranges during the last two quarters of the study period. Additionally, adults in the ACA Expansion Adult – Age 19-64 aid category exhibited an increase in the utilization of Pharmacy services during the first quarter of 2014.

Figures SU-62 to SU-66 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Pharmacy Services Utilization Rates among Children, April 2013–March 2014

Figure SU-55: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014* Unique User Count = 34,800

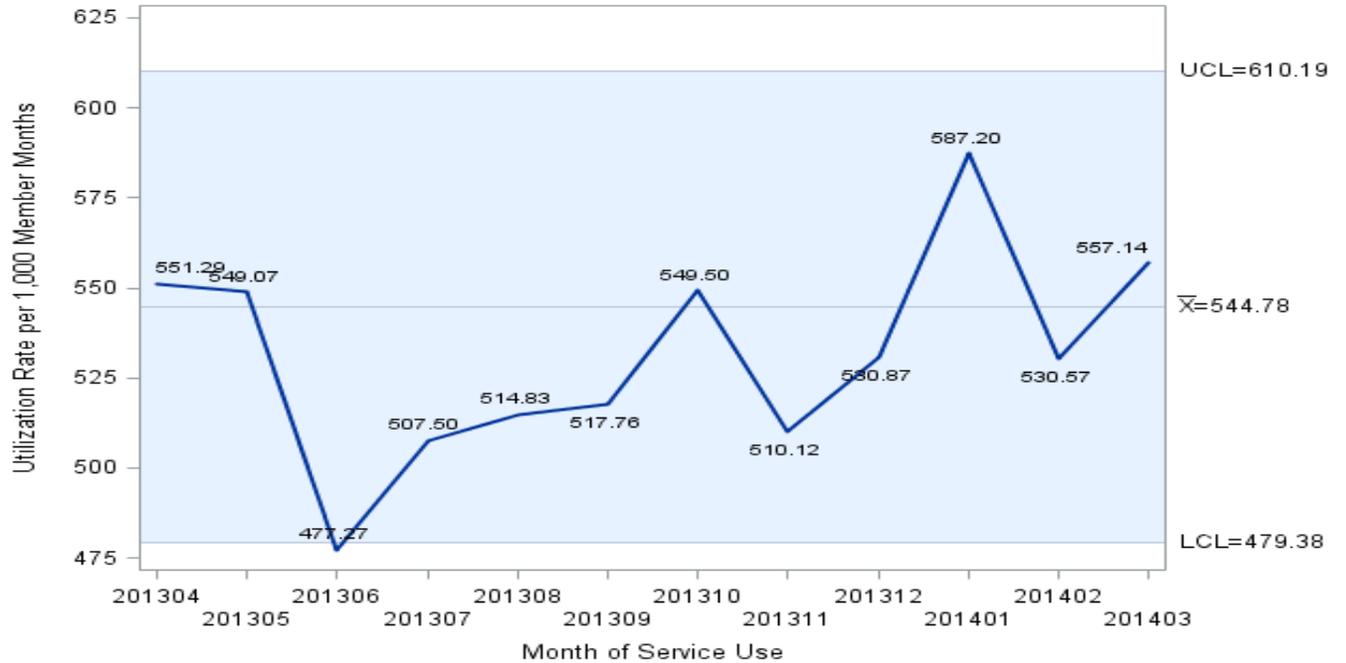


Figure SU-56: Pharmacy Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014* Unique User Count = 12,267

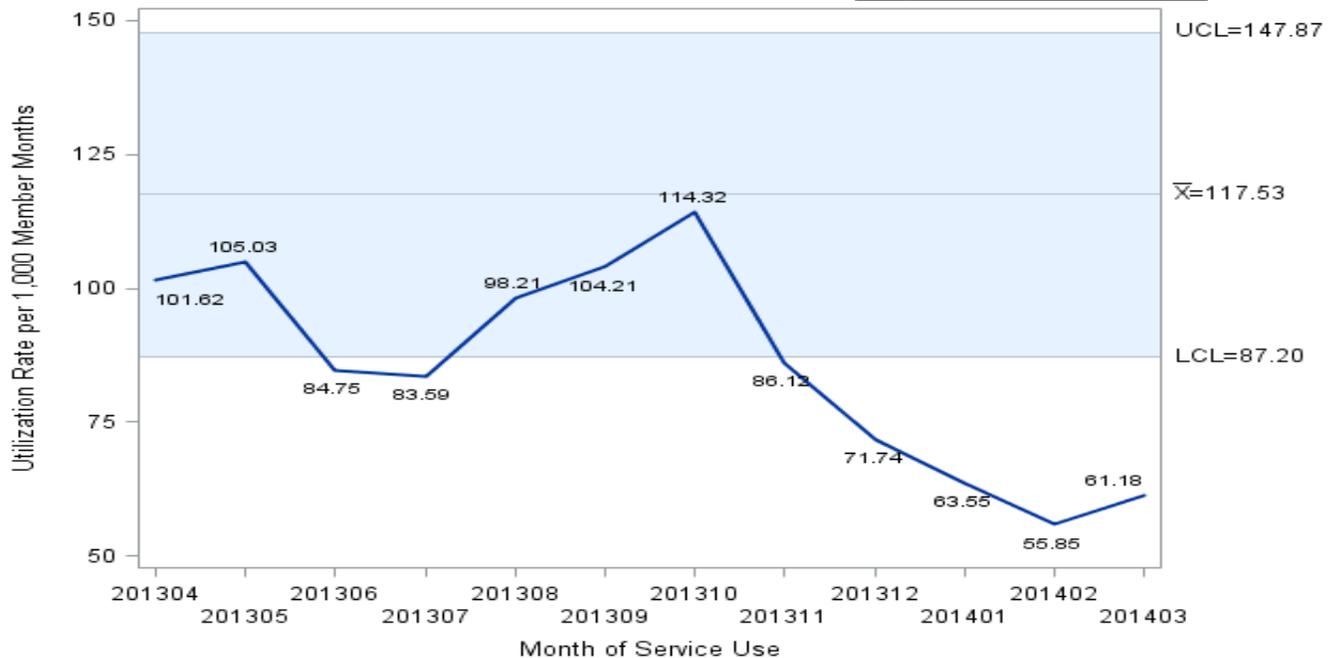


Figure SU-57: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014*

Unique User Count = **42,379**

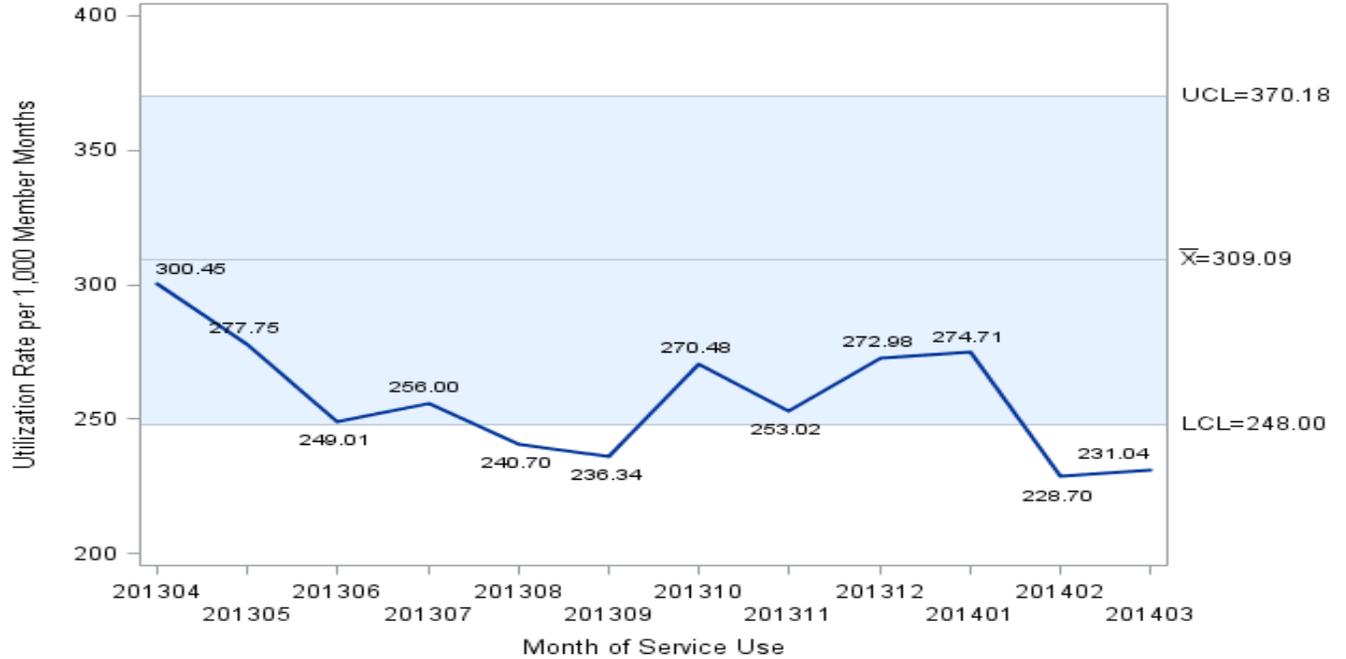


Figure SU-58: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014*

Unique User Count = **68,820**

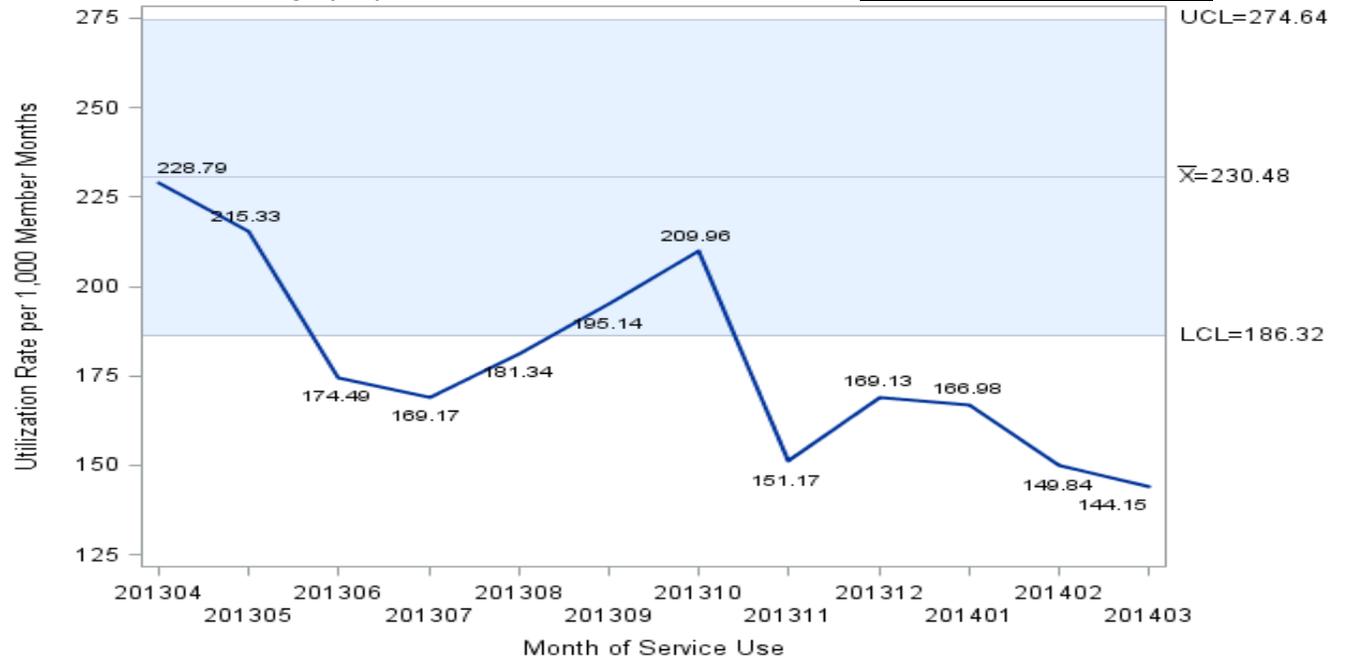


Figure SU-59: Pharmacy Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014* Unique User Count = 16,887

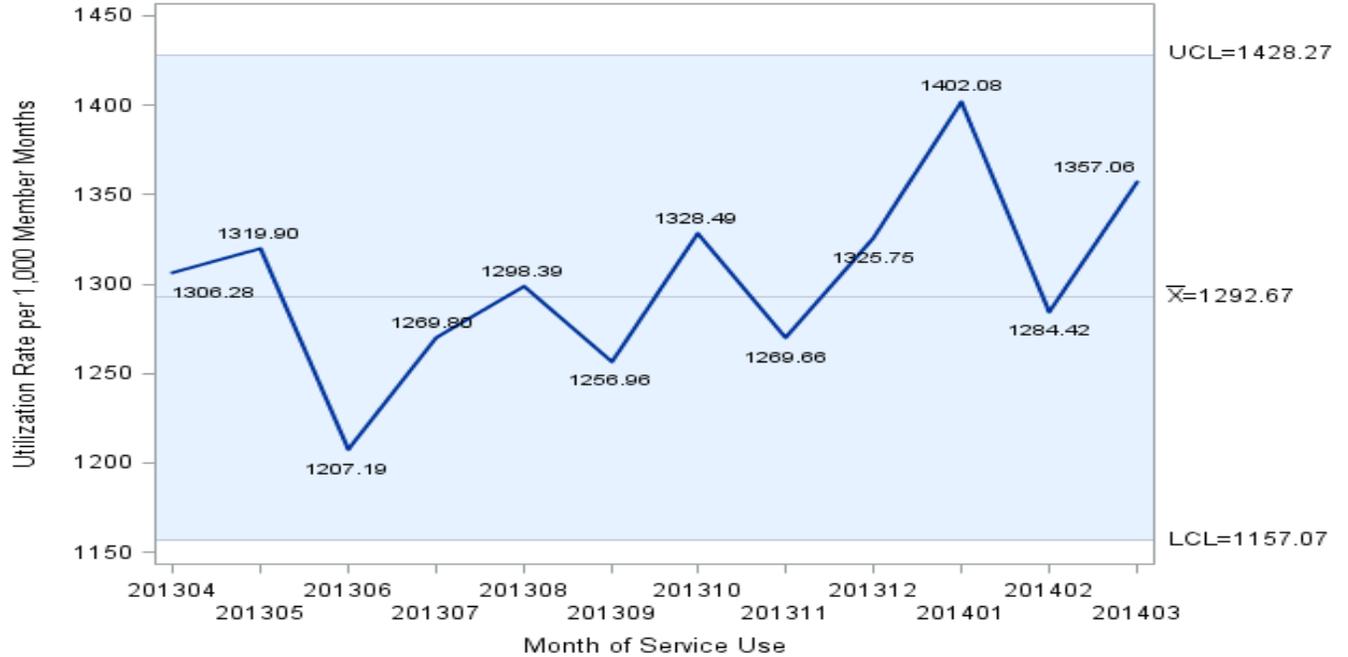


Figure SU-60: Pharmacy Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 11,003

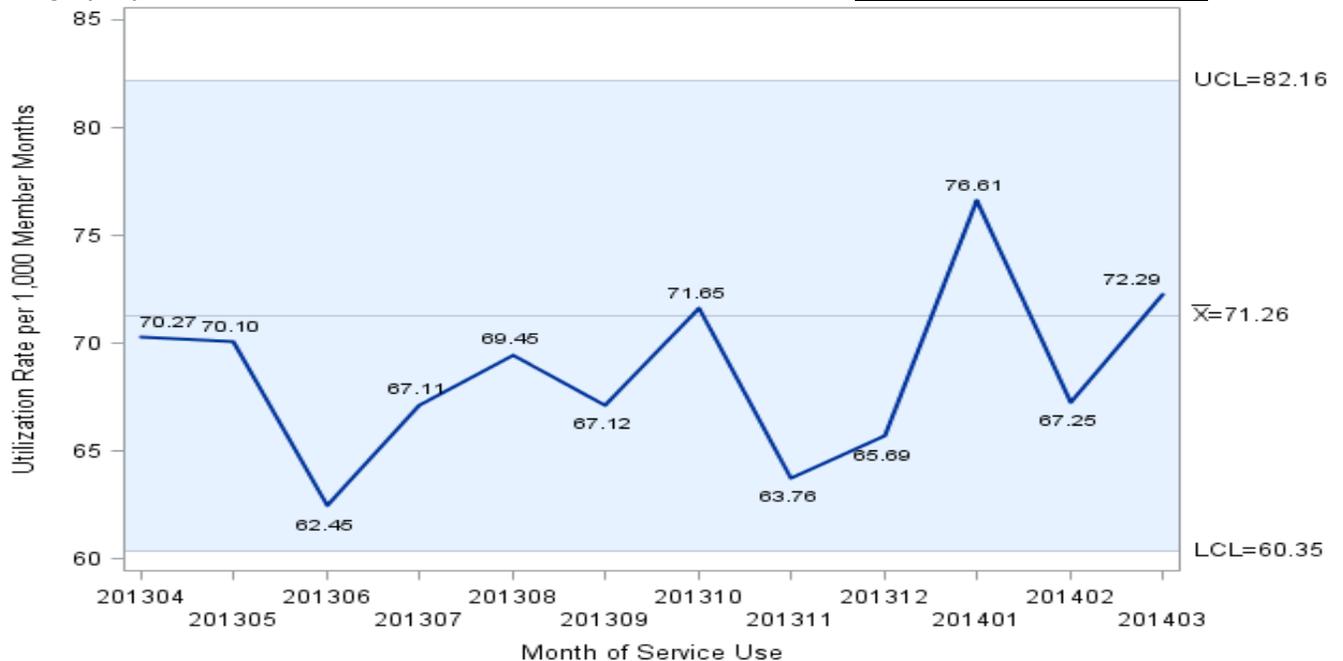
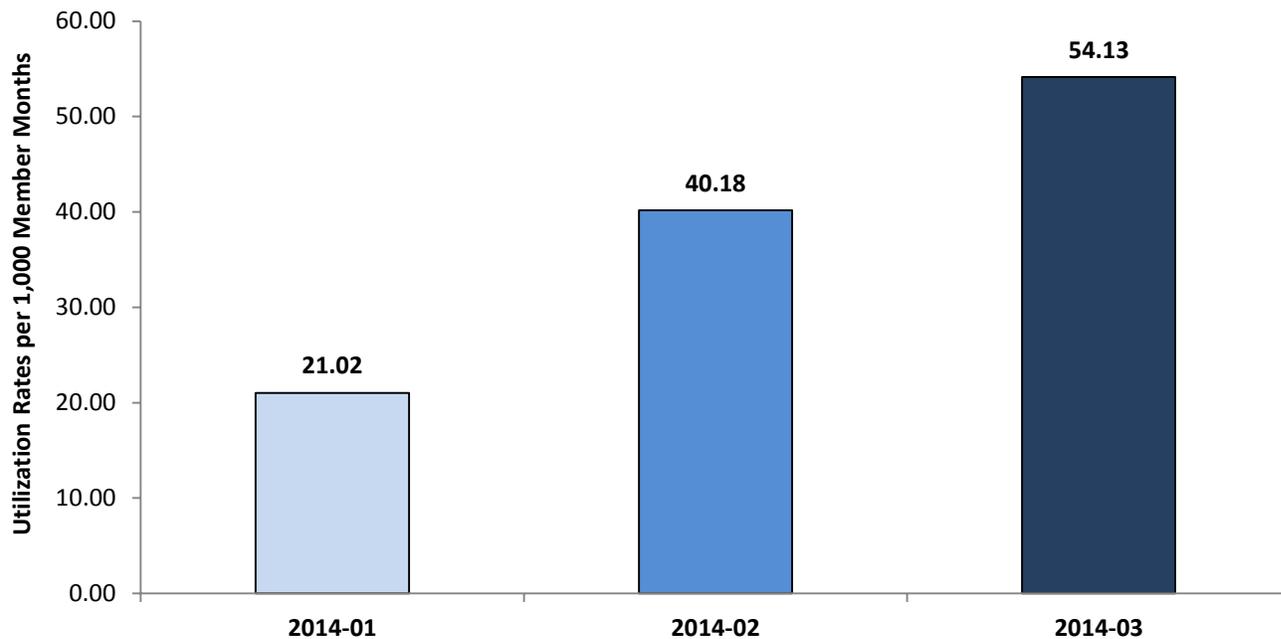


Figure SU-61: Pharmacy Services Utilization Rates among Children Ages 0–20 in the ACA Expansion - Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = **1,182**



Source: Figures SU-55 to SU-61 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-55: April 2013 = 551.29, May 2013 = 549.07, June 2013 = 477.27, December 2013 = 530.87; Figure SU-56: November 2013 = 86.12; Figure SU-57: May 2013 = 277.75; Figure SU-58: May 2013 = 215.33; Figure SU-59: July 2013 = 1,269.80, December 2013 = 1,325.75.

Trends of Monthly Pharmacy Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-62: Pharmacy Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014

Unique User Count = 47,196

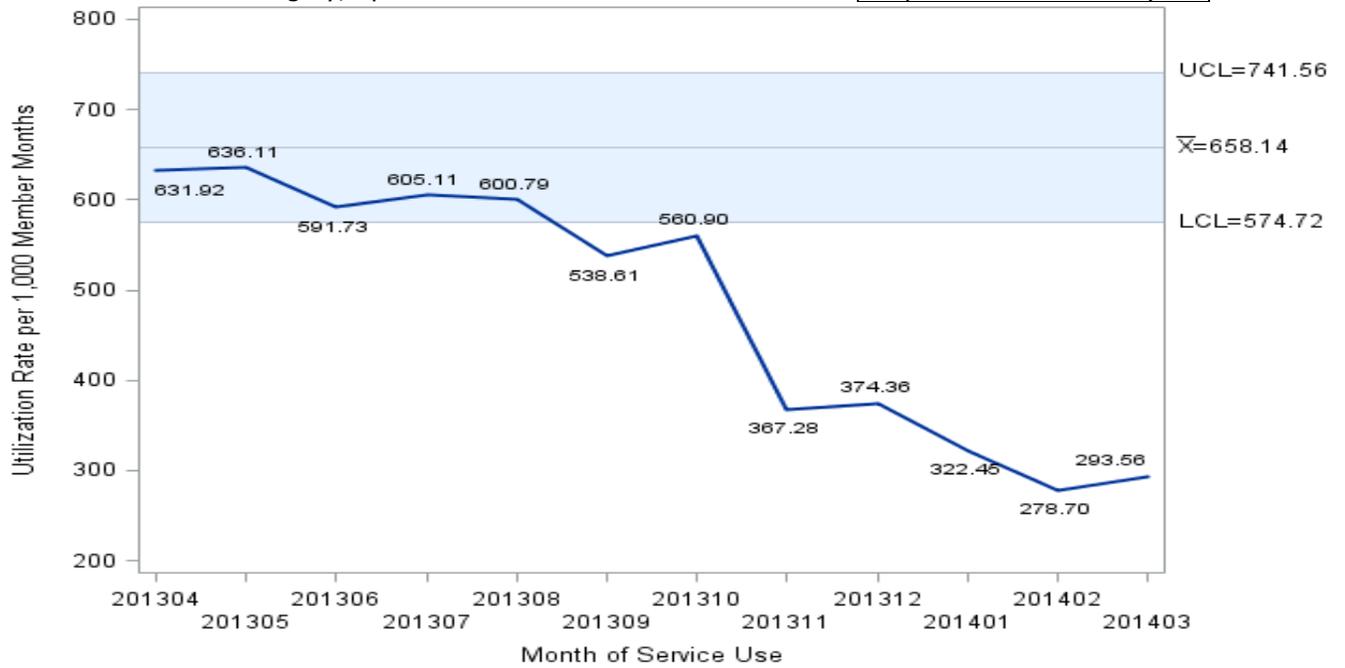


Figure SU-63: Pharmacy Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014*

Unique User Count = 52,182

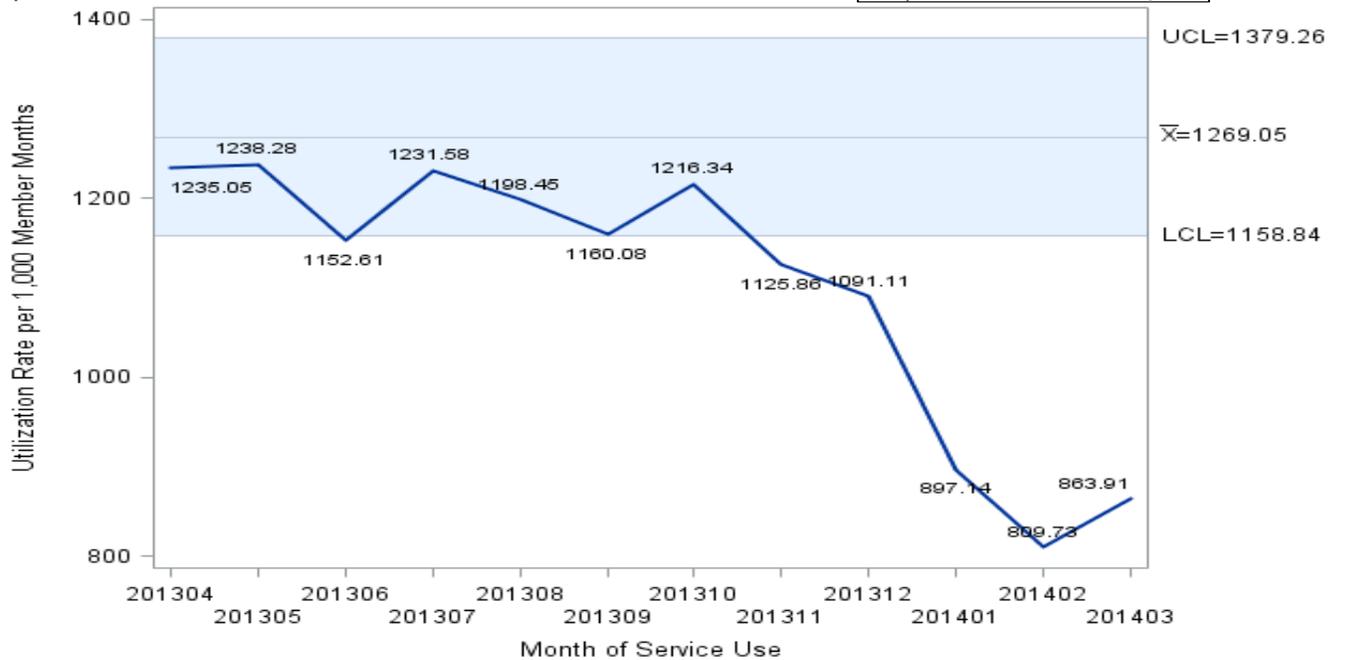


Figure SU-64: Pharmacy Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014* Unique User Count = 75,550

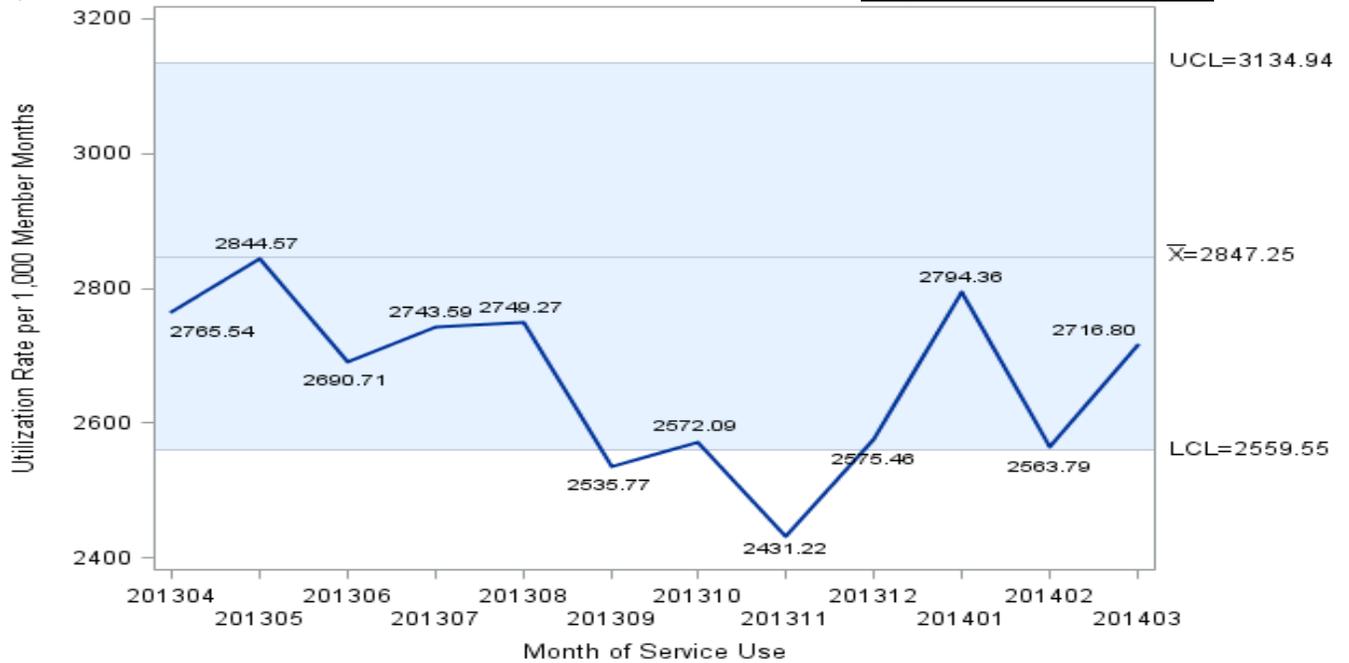


Figure SU-65: Pharmacy Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 96,749

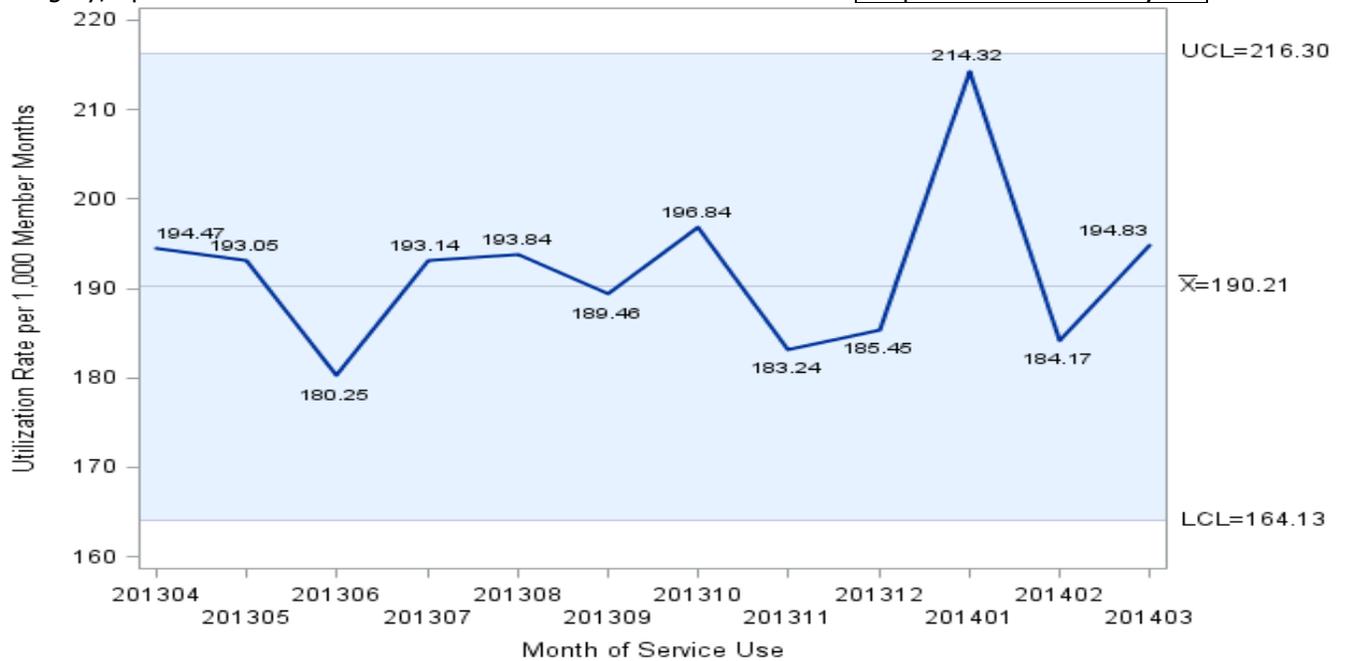
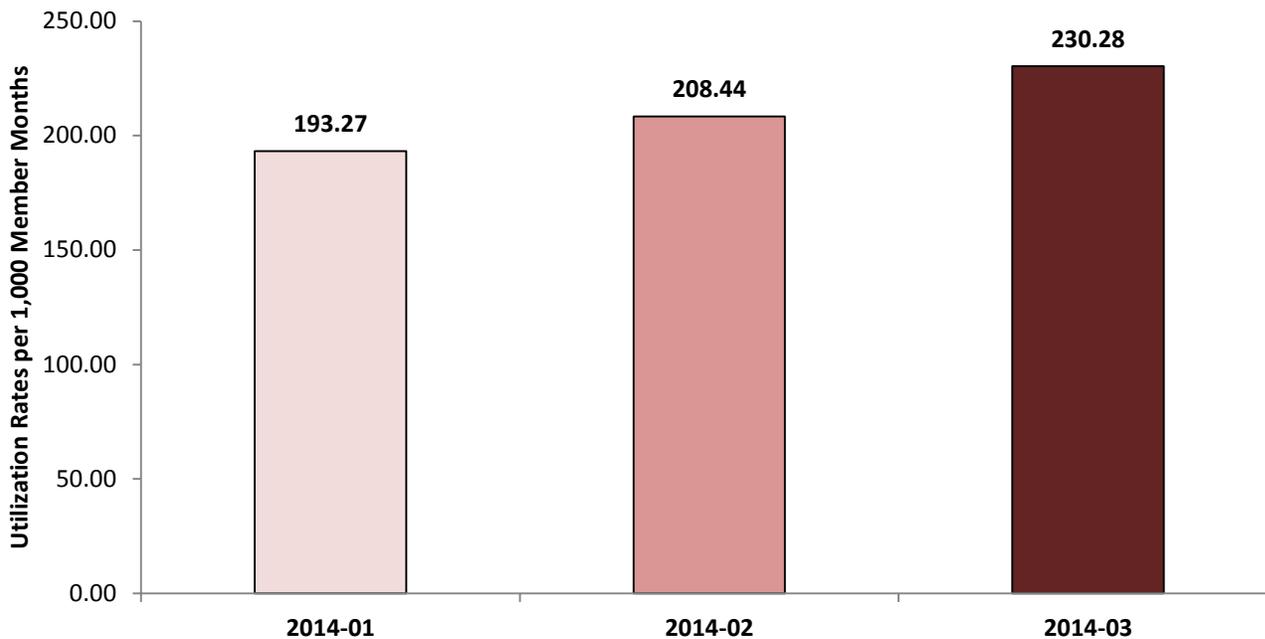


Figure SU-66: Pharmacy Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = 80,047



Source: Figures SU-62 to SU-66 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-63: August 2013 = 1,198.45, December 2013 = 1,091.11, January 2014 = 897.14, February 2014 = 809.73; Figure SU-64: December 2013 = 2,575.46.

Other Services

Background

Service providers covered under the Other service category include the following partial list:

- Community-Based Adult Services Program (formerly called Adult Day Health Care)
- Assistive Device and Sick Room Supply Dealers
- Audiologists and Hearing Aid Dispensers
- Certified Nurse Practitioners and Pediatric Nurse Practitioners
- Physical, Occupational, and Speech Therapists
- Orthotists and Prosthetists
- Podiatrists
- Psychologists
- Genetic Disease Testing
- Local Education Agency (LEA)
- Respiratory Care Practitioners
- Early and Periodic Screening, Diagnosis and Treatment (EPSDT) Supplemental Services Providers
- Health Access Program (HAP)

For a full list of provider types, see the [Appendix A](#). Beginning in July 2009, several optional benefits were excluded from the Medi-Cal program. These benefits comprise the following list and impact most beneficiaries except those eligible for EPSDT services, beneficiaries in skilled nursing facilities or residing in ICF/DDs, and beneficiaries enrolled in the Program of All-Inclusive Care for the Elderly (PACE):

- Acupuncture
- Adult Dental Services
- Audiology Services
- Chiropractic Services
- Incontinence Creams and Washes
- Dispensing Optician Services
- Fabricating Optical Laboratory Services
- Podiatric Services
- Psychology Services
- Speech Therapy

Trend Analysis – Children

- Utilization rates for Other services was noticeably higher among children in the SPD aid category.

Among children ages 0 to 20 in the FFS Medi-Cal program, monthly utilization rates for Other services ranged from 6.87 to 1,457.14 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. The utilization of Other services was noticeably higher among children in the SPD aid category. Children in all of the analyzed aid categories, except for ACA Expansion Adults – Age 19-64, mostly exhibited below-average utilization during the study period. The utilization rates for children in the Other aid category reached below the expected baseline ranges observed in the baseline period of 2011 to 2012 during the last two quarters of the study. Additionally, children in the ACA Expansion Adults– Age 19-64 aid category exhibited an increase in the utilization of Other services during the first quarter of 2014.

Figures SU-67 to SU-73 represent the control chart analysis for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Utilization rates for Other services were noticeably higher among adults in the Other and SPD aid categories.

The monthly utilization rates for Other services among adults ages 21 and older ranged from 22.24 to 330.31 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Other services utilization rates were noticeably higher for adults in the Other and SPD aid categories and lowest among adults in the ACA Expansion Adults – Age 19-64 and Undocumented aid groups. Adults in all of the analyzed aid categories, except for ACA Expansion Adults – Age 19-64, mostly exhibited below-average use of Other services. Additionally, the Other services utilization rates exhibited by adults in the Parent/Caretaker Relative & Child and Other aid categories reached below the expected ranges during the last quarter of the study period. Adults in the ACA Expansion Adults – Age 19-64 aid category exhibited an increase in the utilization of Other services during the first quarter of 2014.

Figures SU-74 to SU-78 represent the control chart analysis for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Other Services Utilization Rates among Children, April 2013–March 2014

Figure SU-67: Other Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014* Unique User Count = 15,936



Figure SU-68: Other Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014 Unique User Count = 8,397

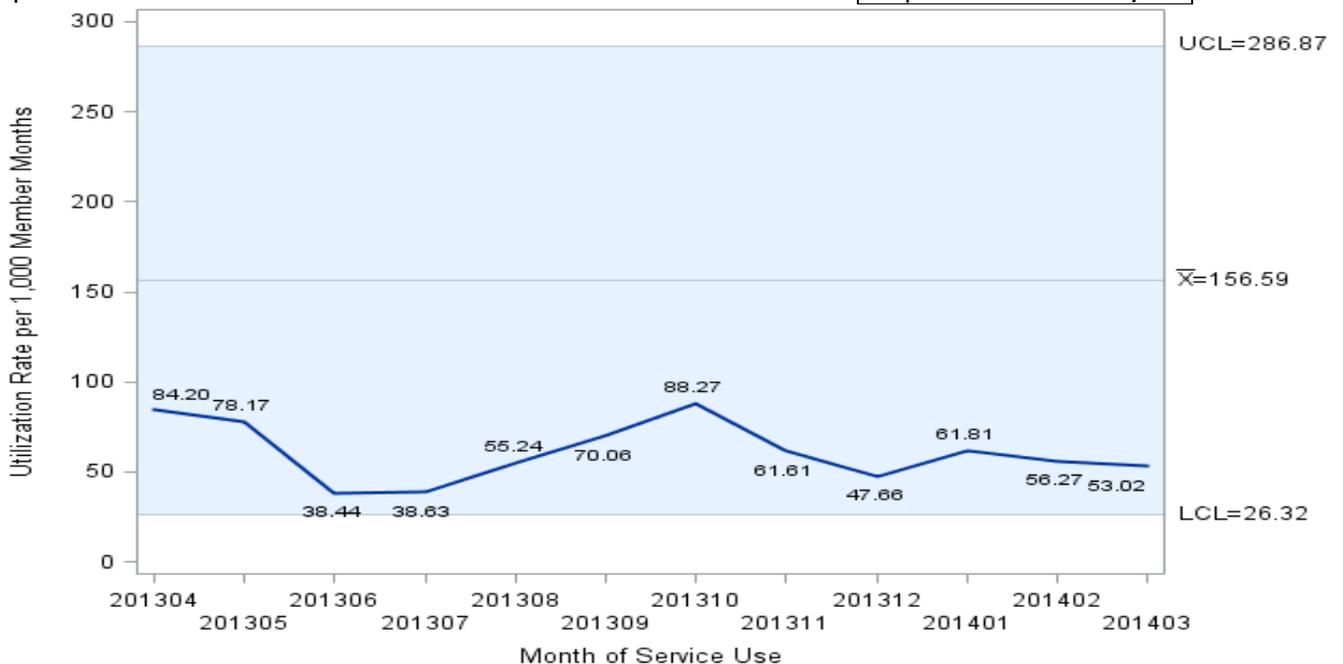


Figure SU-69: Other Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014 Unique User Count = 22,382

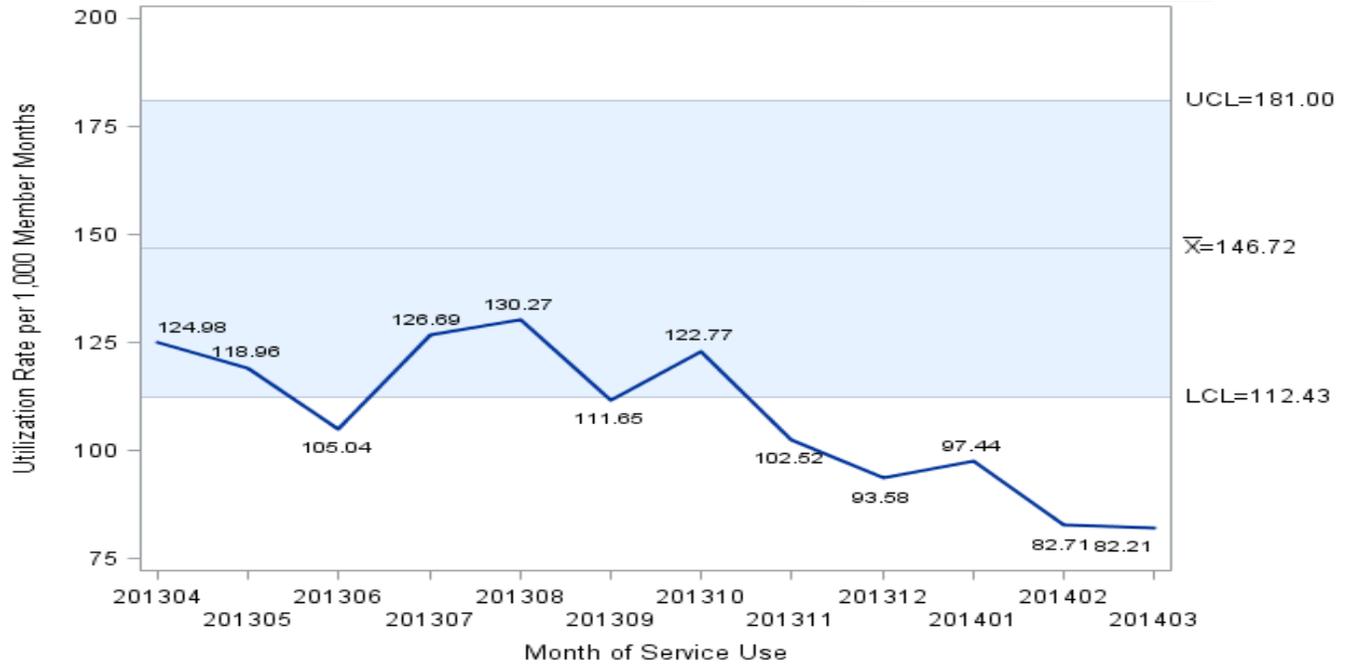


Figure SU-70: Other Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014 Unique User Count = 23,949

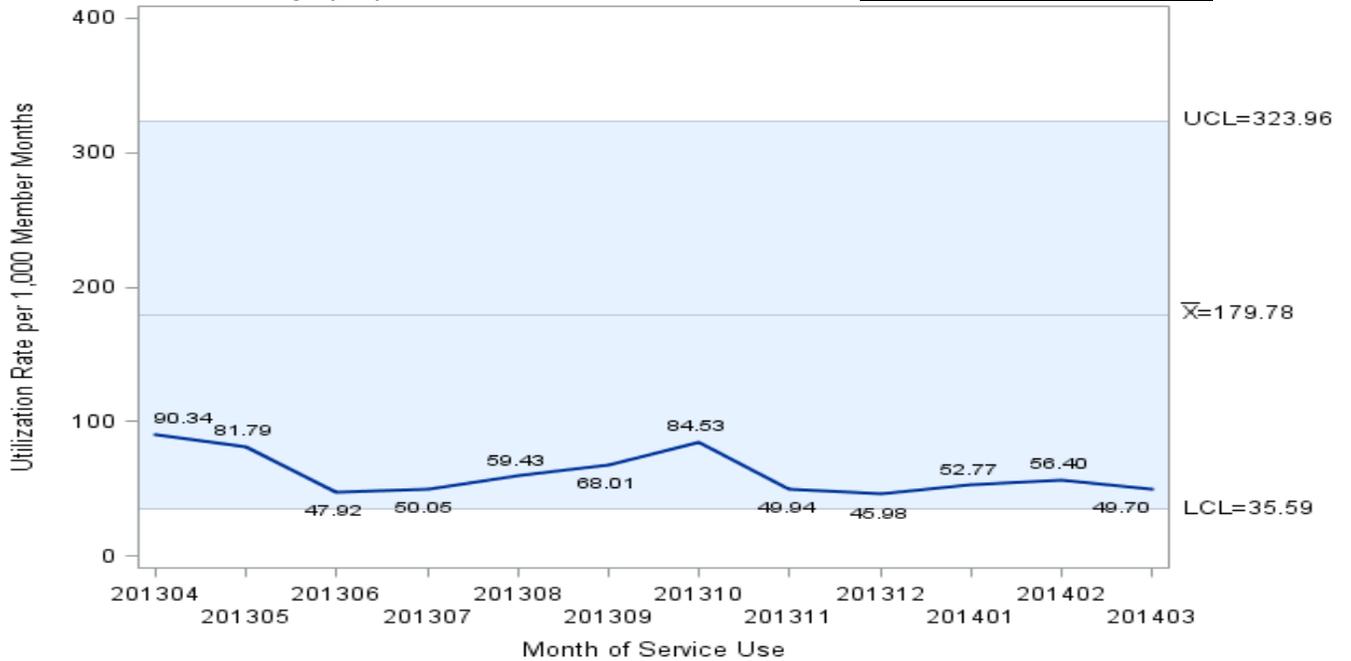


Figure SU-71: Other Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014*

Unique User Count = **12,235**

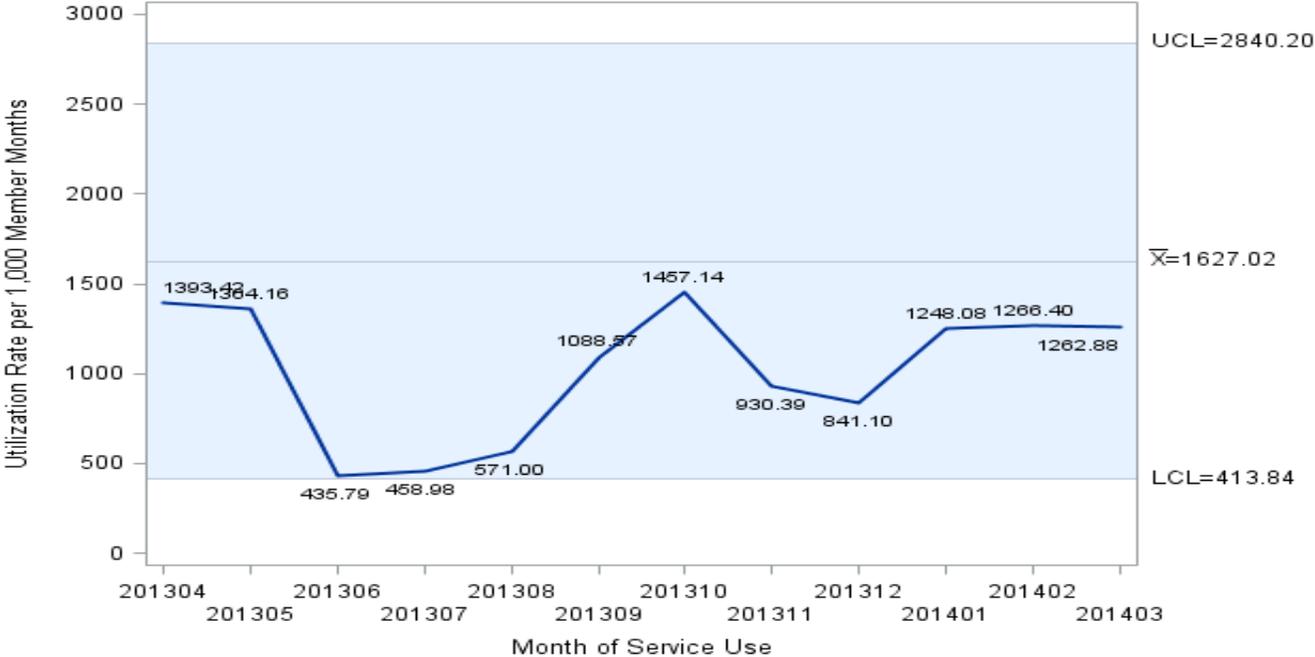


Figure SU-72: Other Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014

Unique User Count = **3,849**

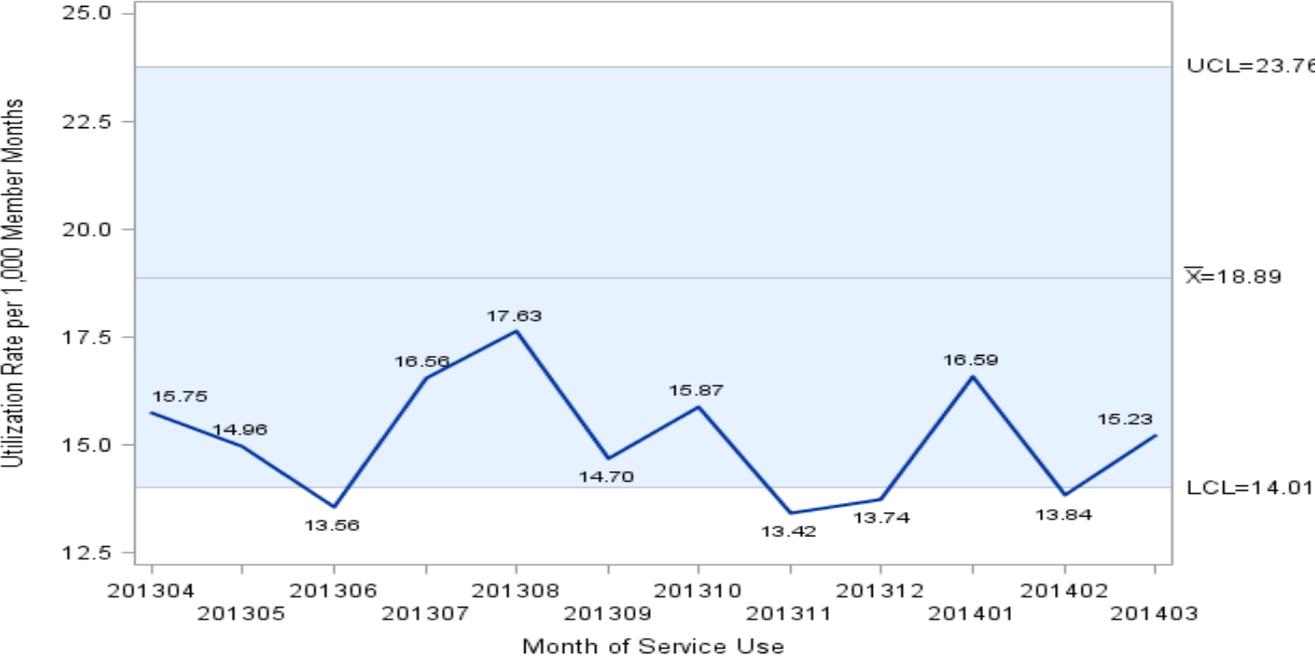
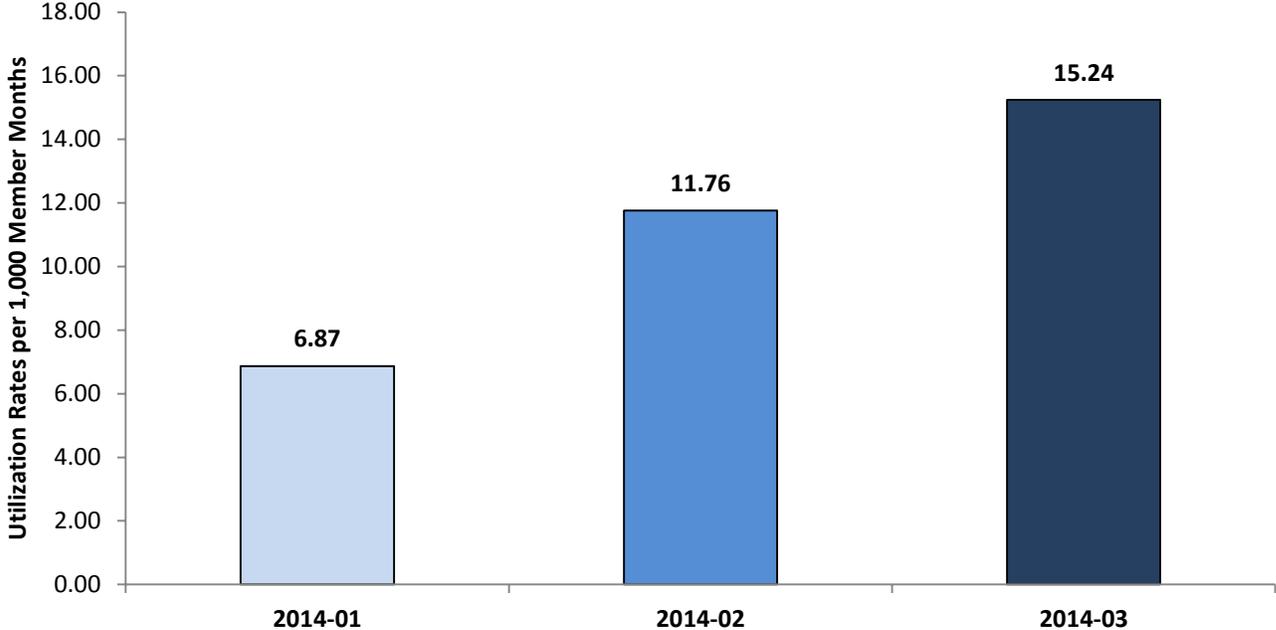


Figure SU-73: Other Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014

Unique User Count = 602



Source: Figures SU-67 to SU-73 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-67: September 2013 = 180.33; Figure SU-71: April 2013 = 1,393.42, May 2013 = 1,364.16, September 2013 = 1,088.57.

Trends of Monthly Other Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-74: Other Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014

Unique User Count = **24,338**

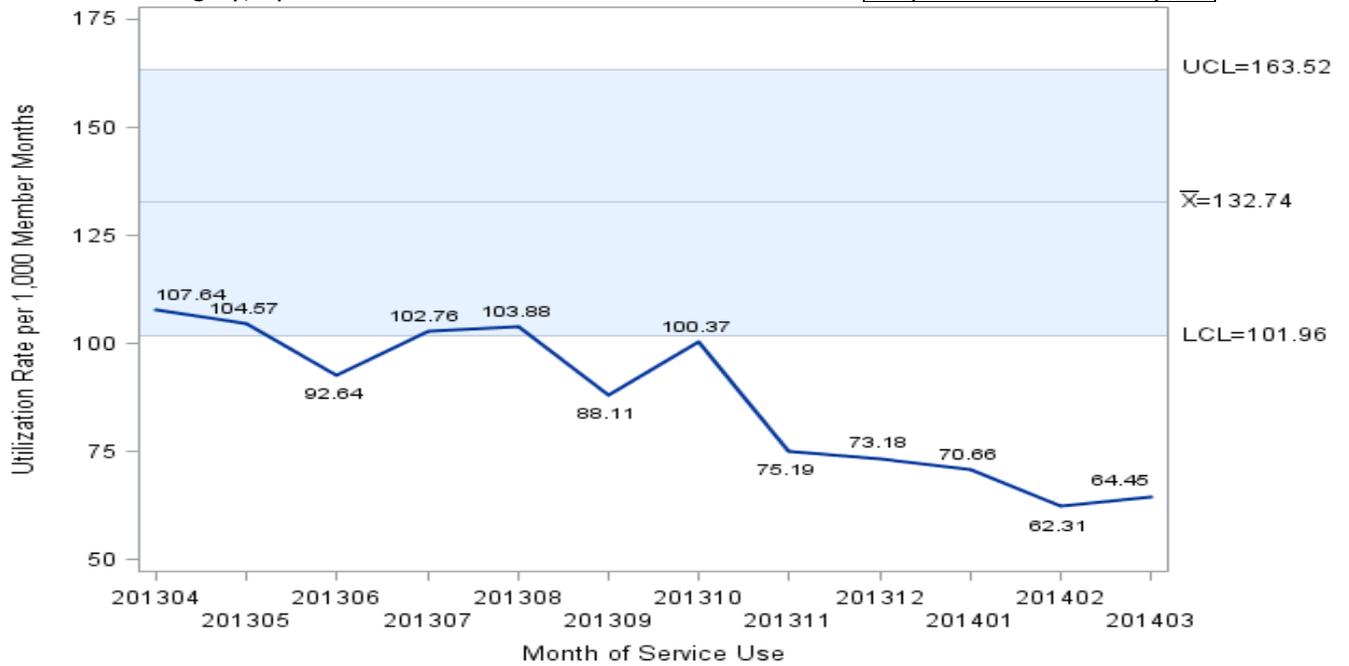


Figure SU-75: Other Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014*

Unique User Count = **35,467**

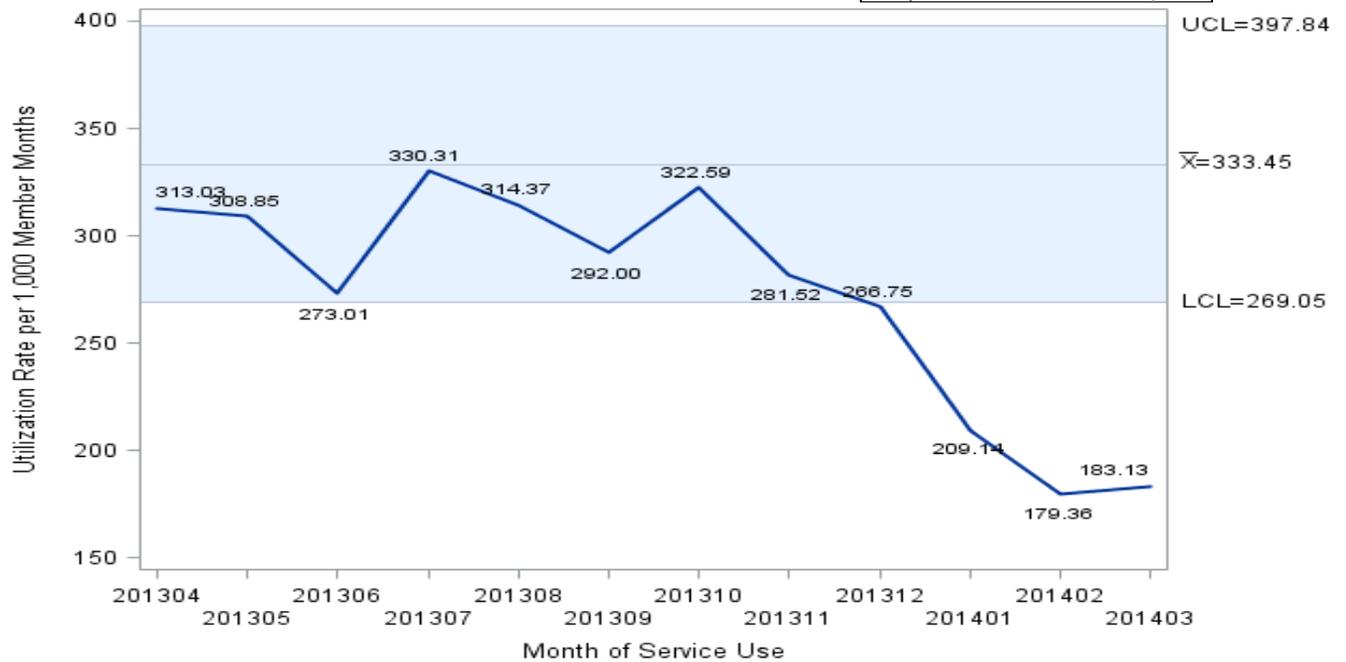


Figure SU-76: Other Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014

Unique User Count = **22,231**

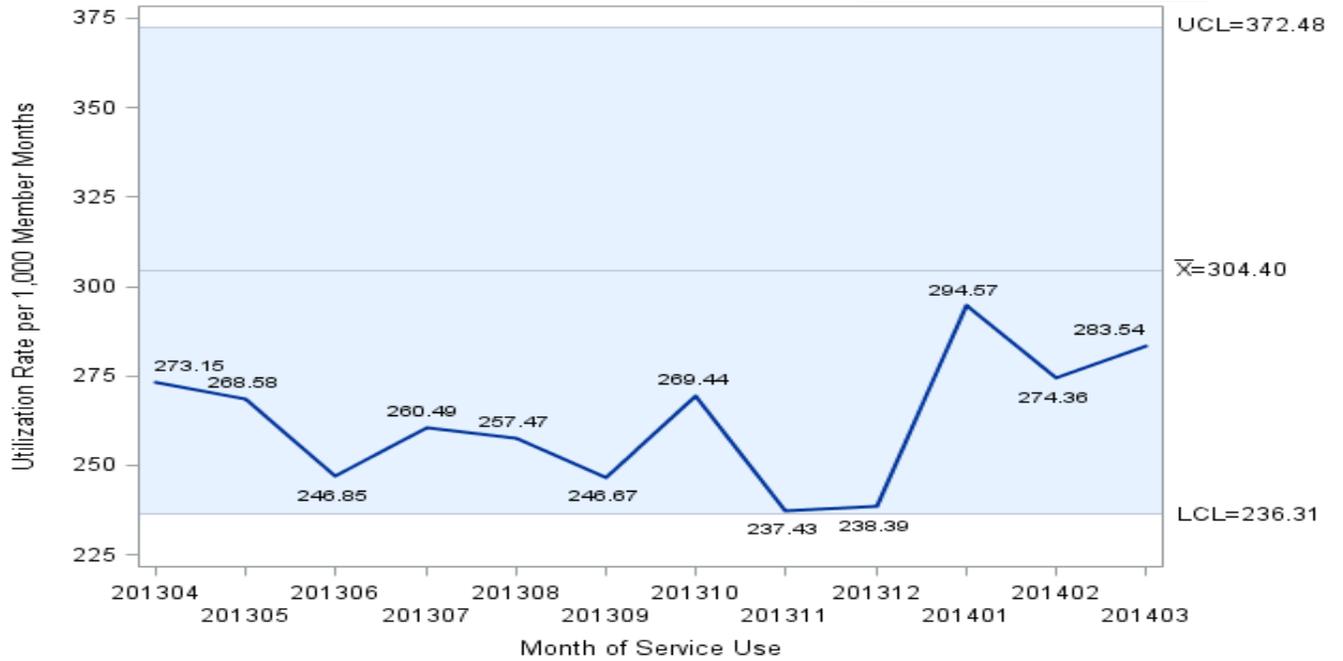


Figure SU-77: Other Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014

Unique User Count = **35,334**

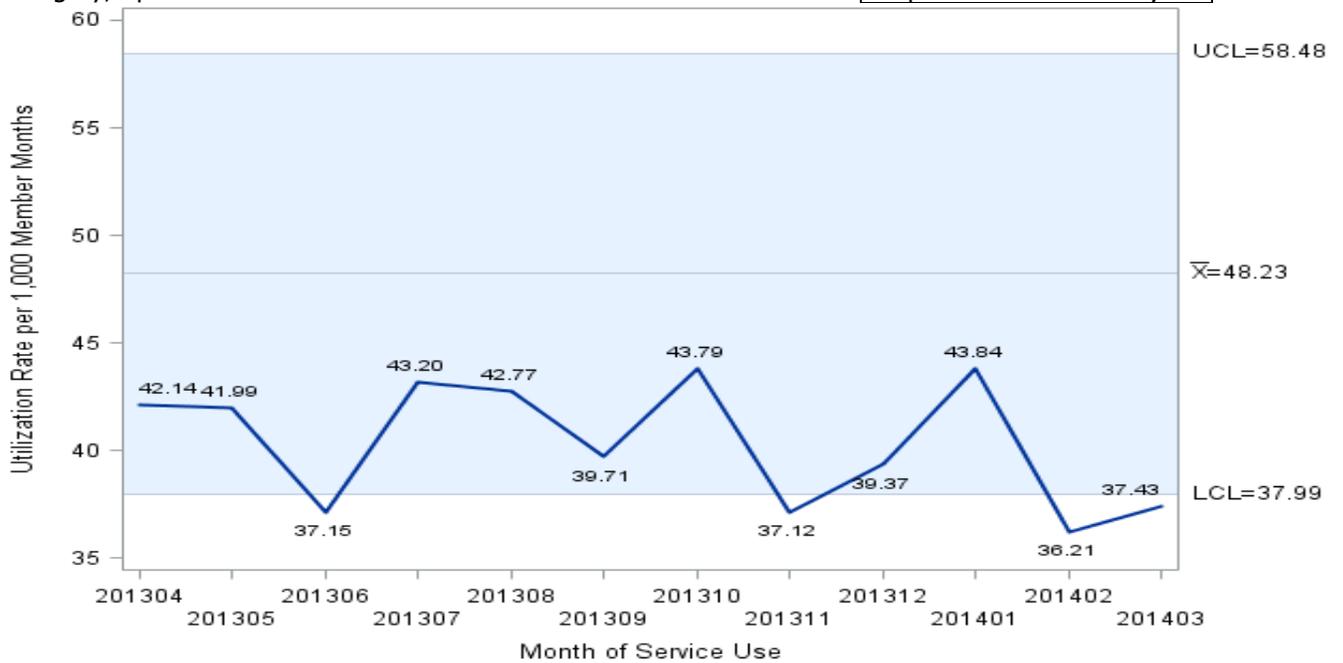
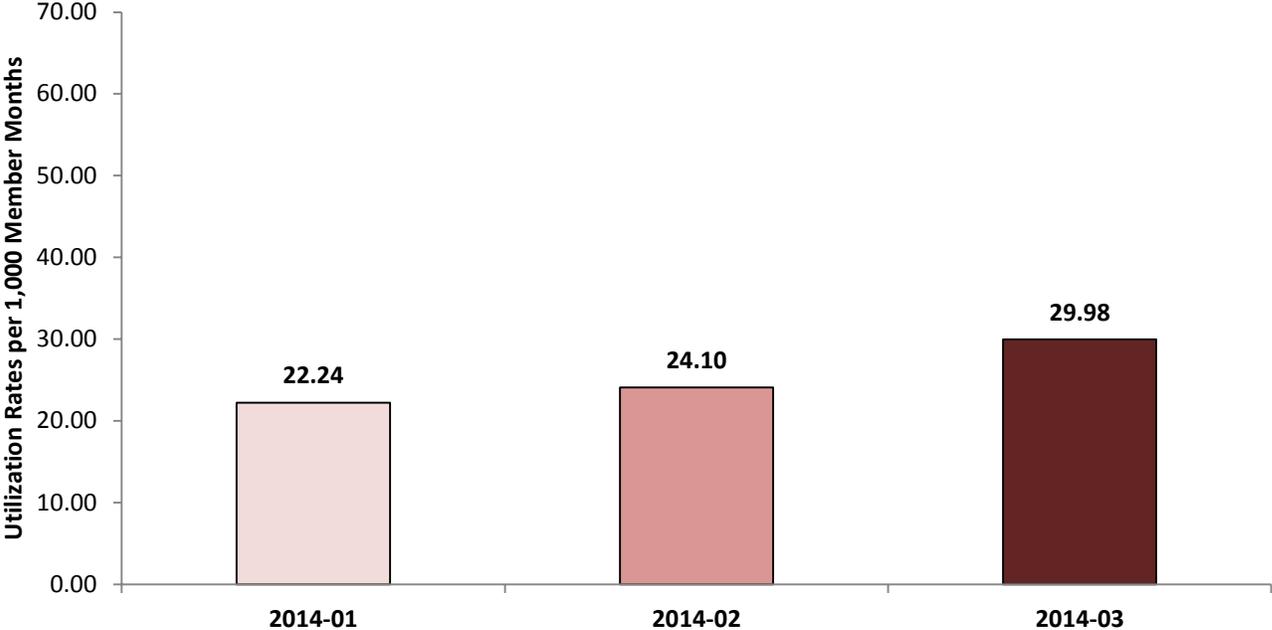


Figure SU-78: Other Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014

Unique User Count = **26,730**



Source: Figures SU-74 to SU-78 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-75: April 2013 = 313.03, May 2013 = 308.85, August 2013 = 314.37, December 2013 = 266.75, January 2014 = 209.14.

Radiology Services

Background

Radiology services are used to diagnose, treat, or manage medical conditions. Radiology services covered by Medi-Cal's State Plan include:

- Computed Tomography (CT) Scans
- Computed Tomography Angiography (CTA) Scans
- Magnetic Resonance Imaging (MRI)
- Magnetic Resonance Angiography
- Magnetic Resonance Cholangiopancreatography (MRCP)
- Fluoroscopy and Esophagus Studies
- Screening and Diagnostic Mammography
- Mammography with Xeroradiography
- Dual Energy X-Ray Absorptiometry (DXA)
- Angiography Services
- Single Photon Emission Computed Tomography (SPECT)
- Positron Emission Tomography (PET) Scans
- Radiation Oncology Procedures
- Other Nuclear Medicine Services
- Ultrasound Services
- X-Ray and Portable X-Ray Services

Radiology services are administered in several medical settings including Inpatient Hospitals, Outpatient Hospitals, Physician/Clinics, and independent clinical laboratories. The federal Clinical Laboratory Improvement Act mandates that all providers must be certified for the types of radiology services that they administer.^{9,10}

Radiology services must be medically appropriate for health screening, preoperative evaluation, method surveillance, and complication management, and must be ordered by a Family Planning, Access, Care, and Treatment Program provider, Medi-Cal provider, or their associated practitioners.

⁹ Centers for Medicare and Medicaid Services, Clinical Laboratory Improvement Amendments (<http://www.cms.gov/Regulations-and-Guidance/Legislation/CLIA/downloads/HowObtainCLIACertificate.pdf>).

¹⁰ Additional information on radiology services can be viewed at www.medi-cal.ca.gov under the Publications tab and selecting the [Clinics and Hospitals link](#) under Provider Manuals.

Trend Analysis – Children

- Utilization rates for children in the SPD aid category were higher than for children in other aid categories.

Among children ages 0–20 in the FFS Medi-Cal program, monthly Radiology services utilization rates ranged from 15.22 – 113.79 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Radiology services utilization was noticeably higher among children in the SPD aid category. Children in all of the analyzed aid categories, except for ACA Expansion Adults – Age 19-64, mostly exhibited utilization above the expected ranges observed in the baseline period of 2011 to 2012. Additionally, children in the ACA Expansion Adults – Age 19-64 aid category exhibited an increase in the utilization of Other services during the first quarter of 2014.

Figures SU-79 to SU-85 represent the analysis of Radiology service utilization for children from the second quarter of 2013 to the first quarter of 2014.

Trend Analysis – Adults

- Utilization rates were highest among adults in the Other and SPD aid categories.

Radiology services utilization rates for adults ages 21 and older ranged from 55.26 – 330.86 visits per 1,000 member months from the second quarter of 2013 to the first quarter of 2014. Services utilization rates were highest among adults in the SPD and Other aid categories, while adults in the Undocumented aid category exhibited markedly lower utilization. Similar to the trends identified for children, adults in all of the analyzed aid categories, except for ACA Expansion Adults – Age 19-64, mostly exhibited utilization above the expected baseline ranges. Of particular note, the Radiology services utilization exhibited by adults in the Other and Parent/Caretaker Relative & Child aid categories dipped back within the expected ranges during the final quarter of the study period.

Figures SU-86 to SU-90 represent the analysis of Radiology service utilization for adults from the second quarter of 2013 to the first quarter of 2014.

Trends of Monthly Radiology Services Utilization Rates among Children, April 2013–March 2014

Figure SU-79: Radiology Services Utilization Rates among Children Ages 0–20 in the Adoption/Foster Care Aid Category, April 2013–March 2014

Unique User Count = **6,092**

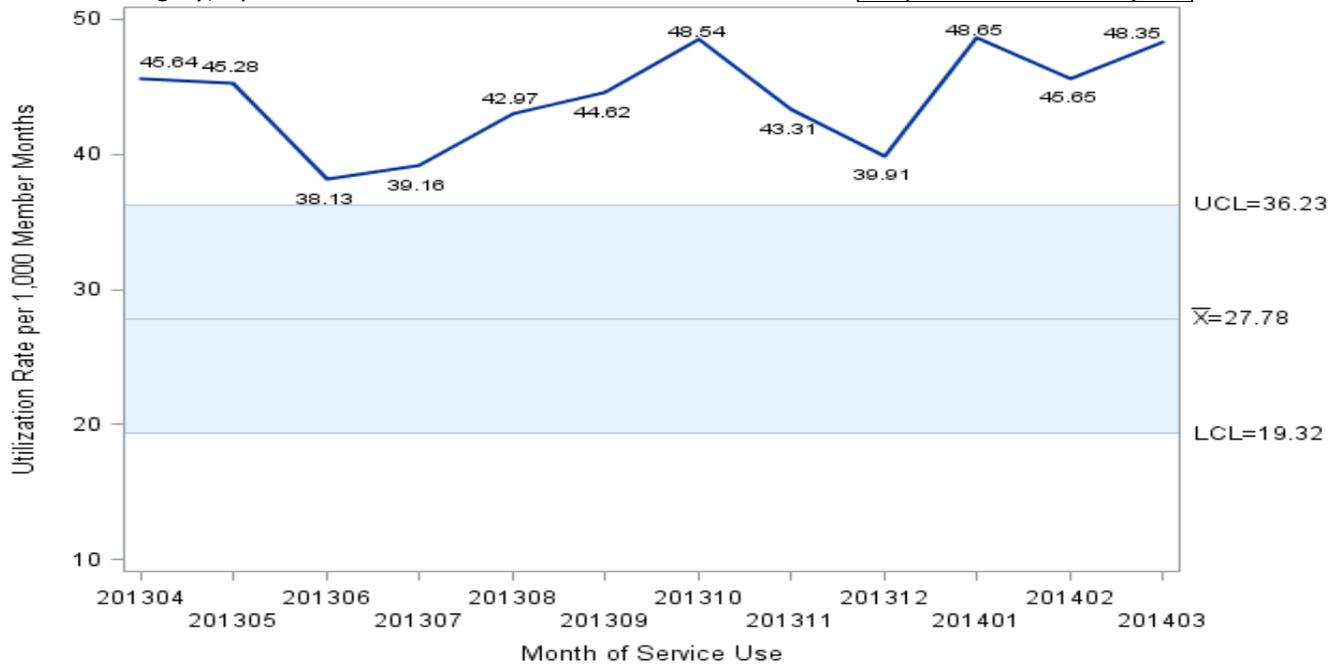


Figure SU-80: Radiology Services Utilization Rates among Children Ages 0–20 in the CHIP Aid Category, April 2013–March 2014*

Unique User Count = **3,810**

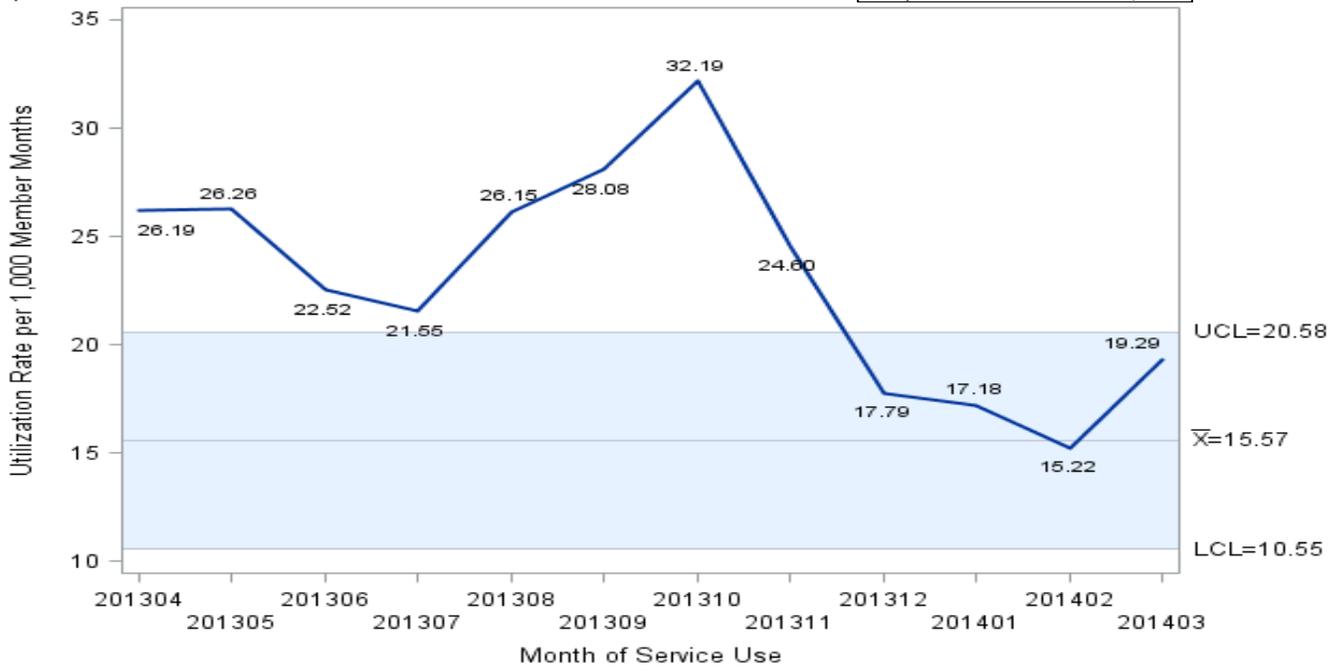


Figure SU-81: Radiology Services Utilization Rates among Children Ages 0–20 in the Other Aid Category, April 2013–March 2014

Unique User Count = 10,947

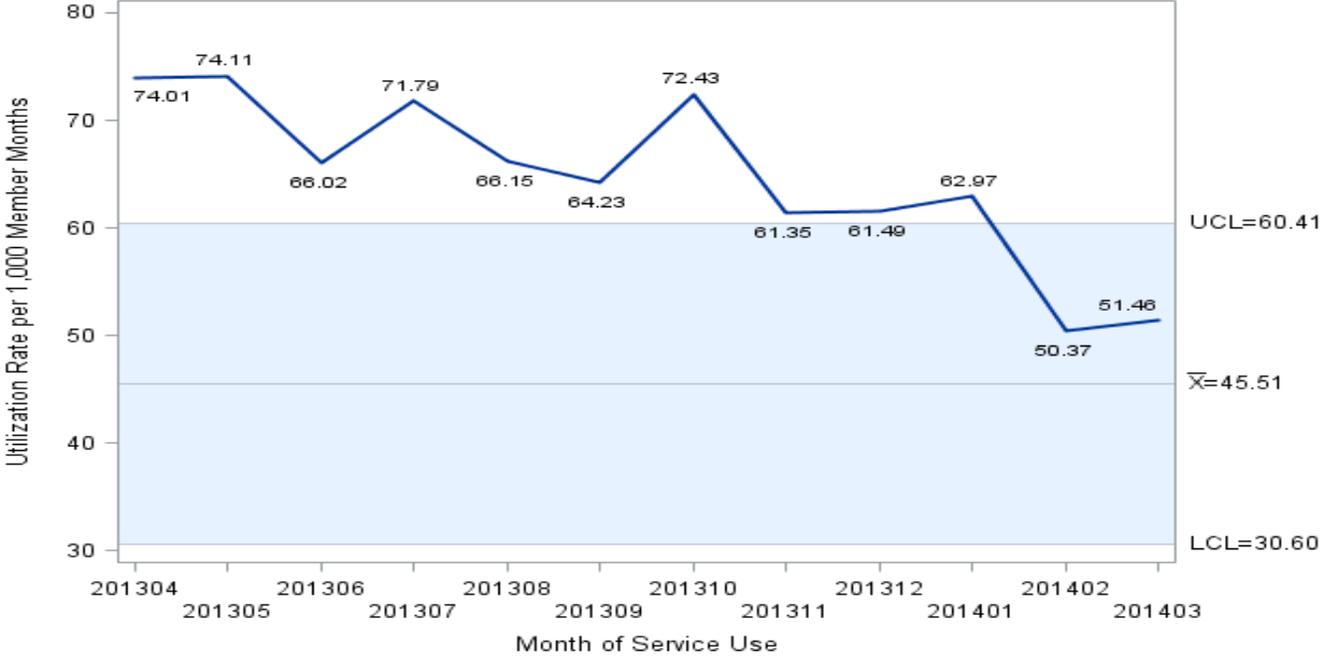


Figure SU-82: Radiology Services Utilization Rates among Children Ages 0–20 in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014

Unique User Count = 21,521

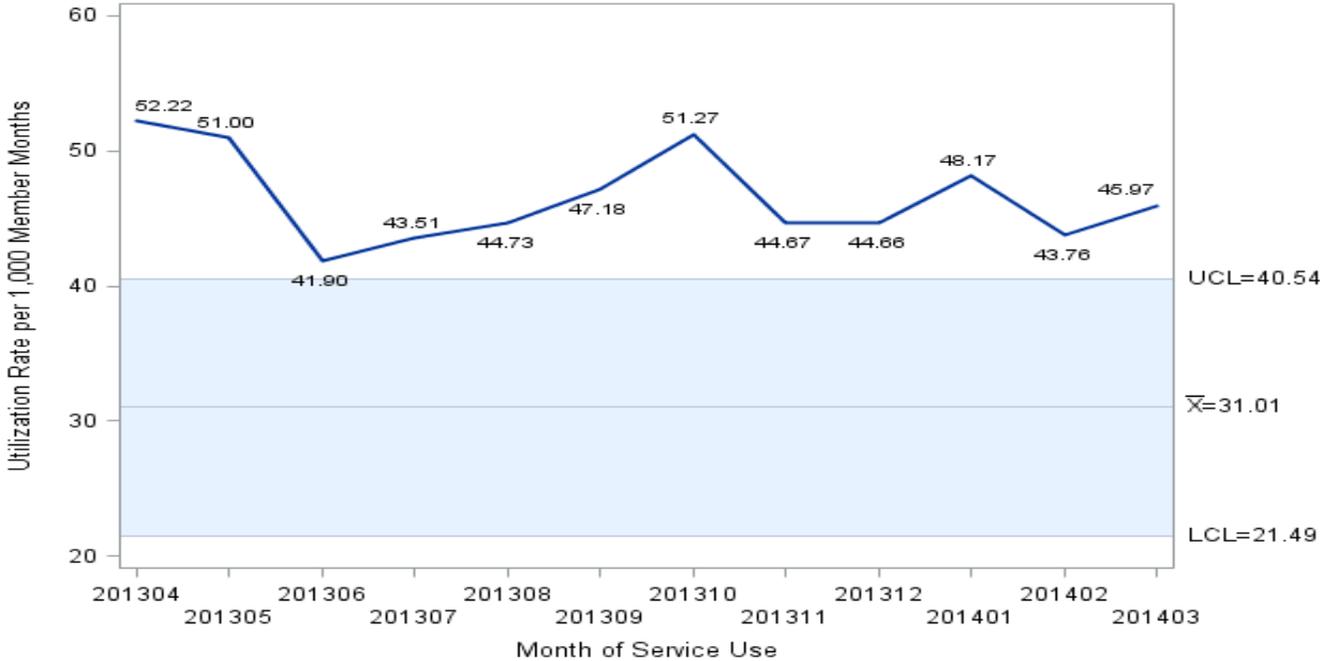


Figure SU-83: Radiology Services Utilization Rates among Children Ages 0–20 in the SPD Aid Category, April 2013–March 2014* Unique User Count = 3,457

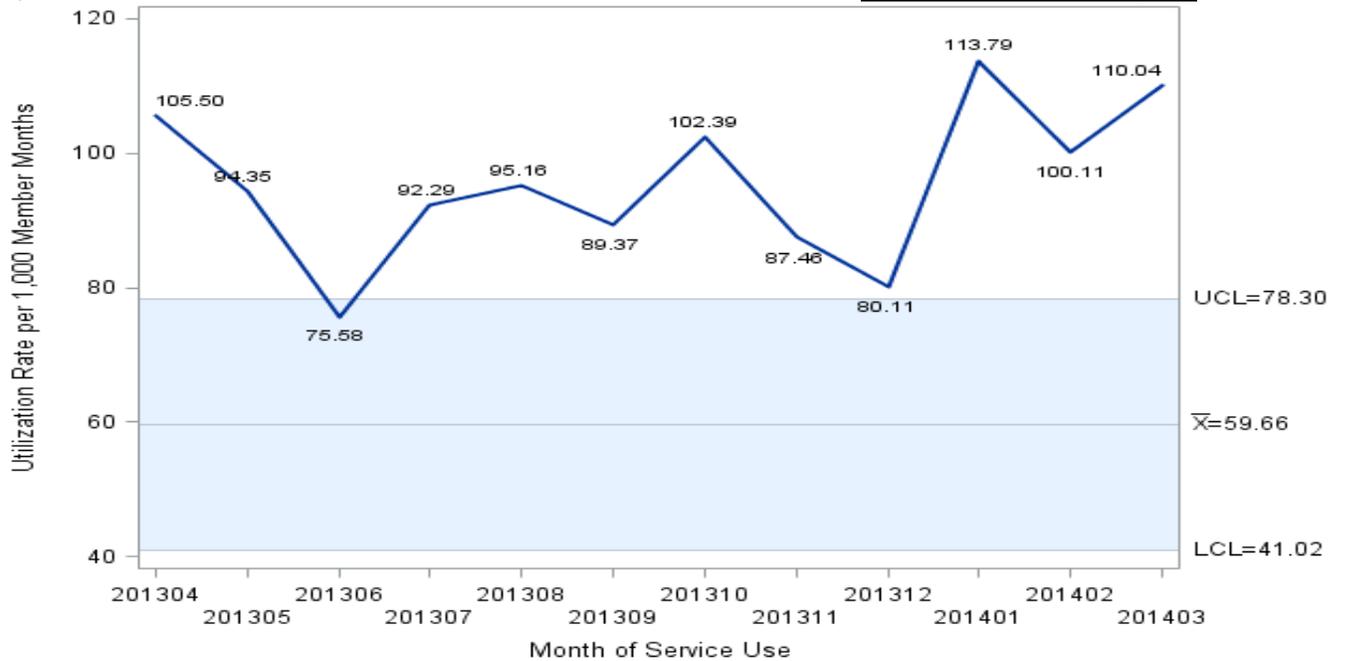


Figure SU-84: Radiology Services Utilization Rates among Children Ages 0–20 in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 6,271

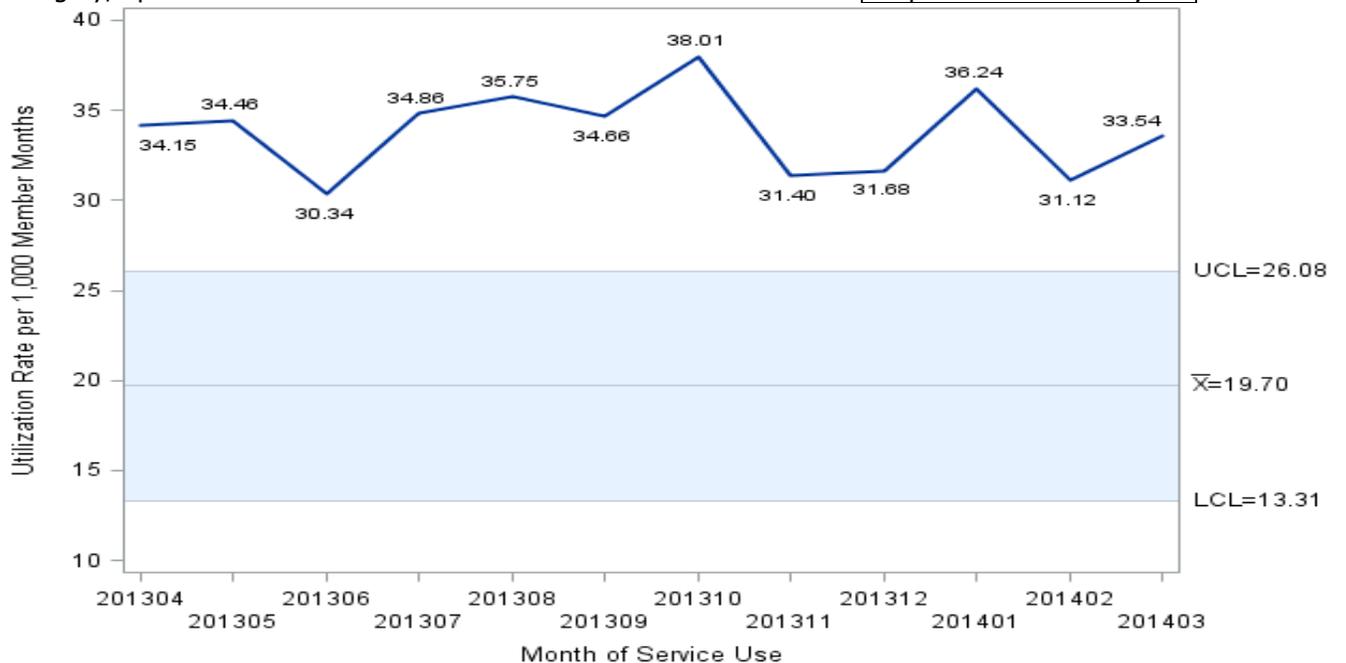
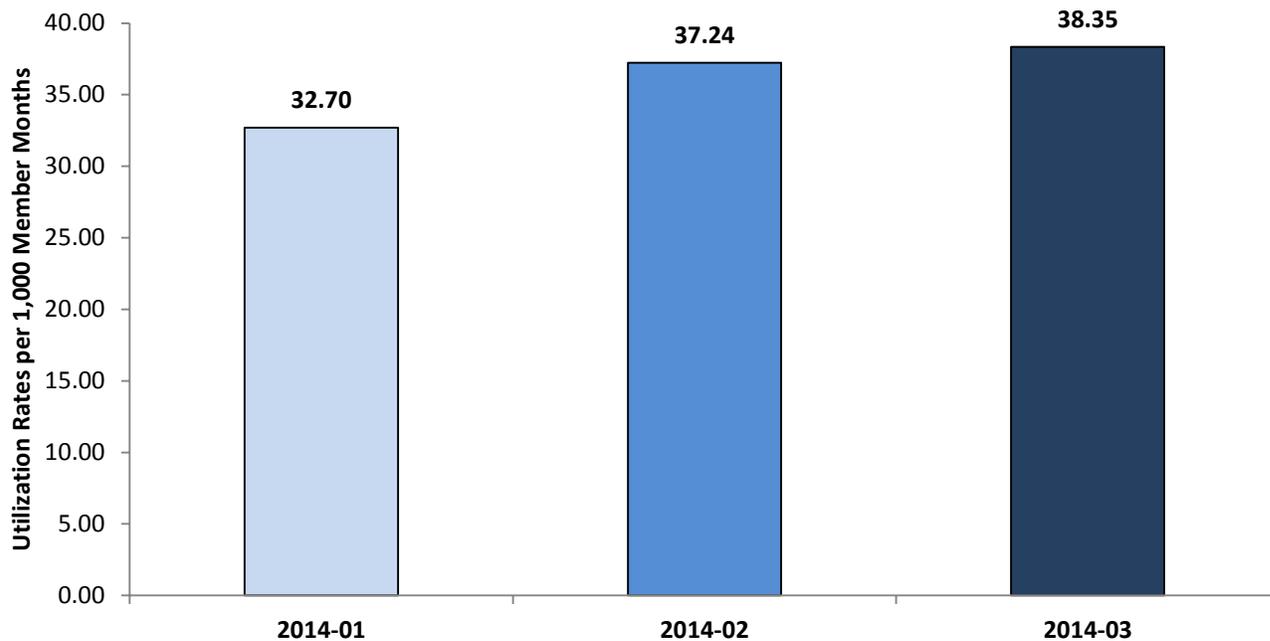


Figure SU-85: Radiology Services Utilization Rates among Children Ages 0–20 in the ACA Expansion Adult - Age 19-64 Aid Category, January 2014–March 2014 Unique User Count = 1,276



Source: Figures SU-79 to SU-85 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-80: November 2013 = 24.60; Figure SU-83: May 2013 = 94.35.

Trends of Monthly Radiology Services Utilization Rates among Adults, April 2013–March 2014

Figure SU-86: Radiology Services Utilization Rates among Adults Ages 21+ in the Parent/Caretaker Relative & Child Aid Category, April 2013–March 2014* Unique User Count = 28,150

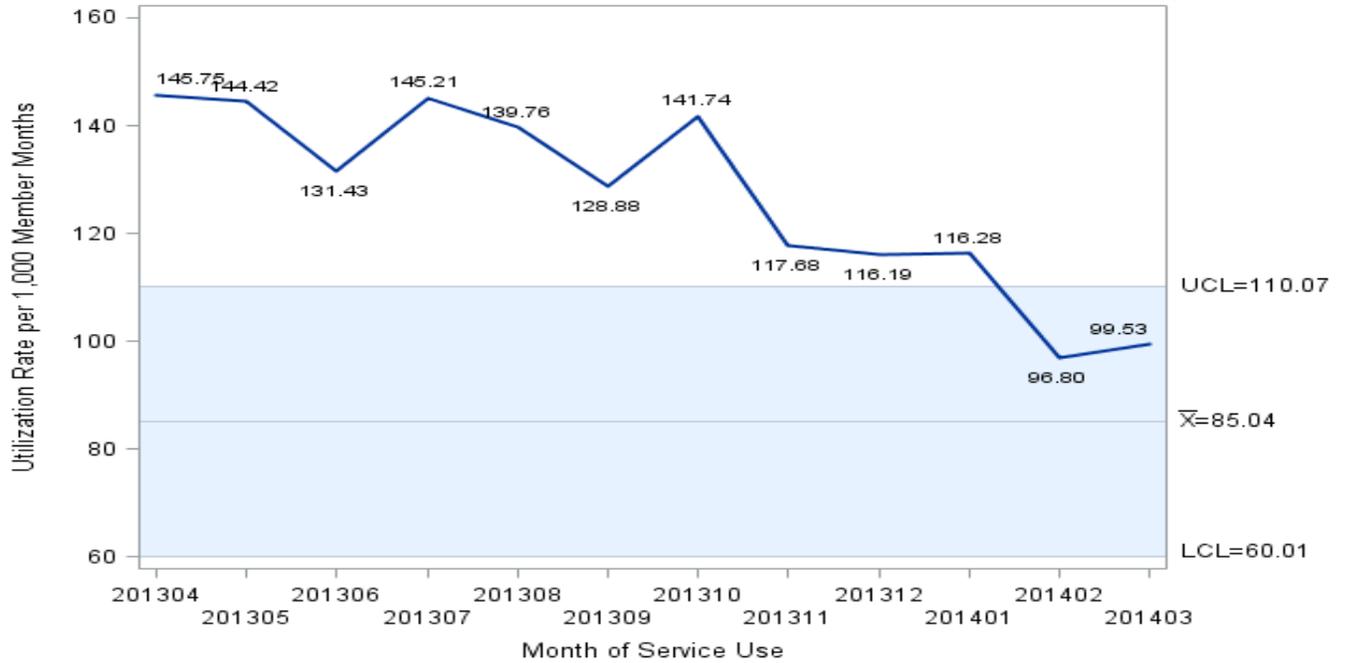


Figure SU-87: Radiology Services Utilization Rates among Adults Ages 21+ in the Other Aid Category, April 2013–March 2014* Unique User Count = 27,522

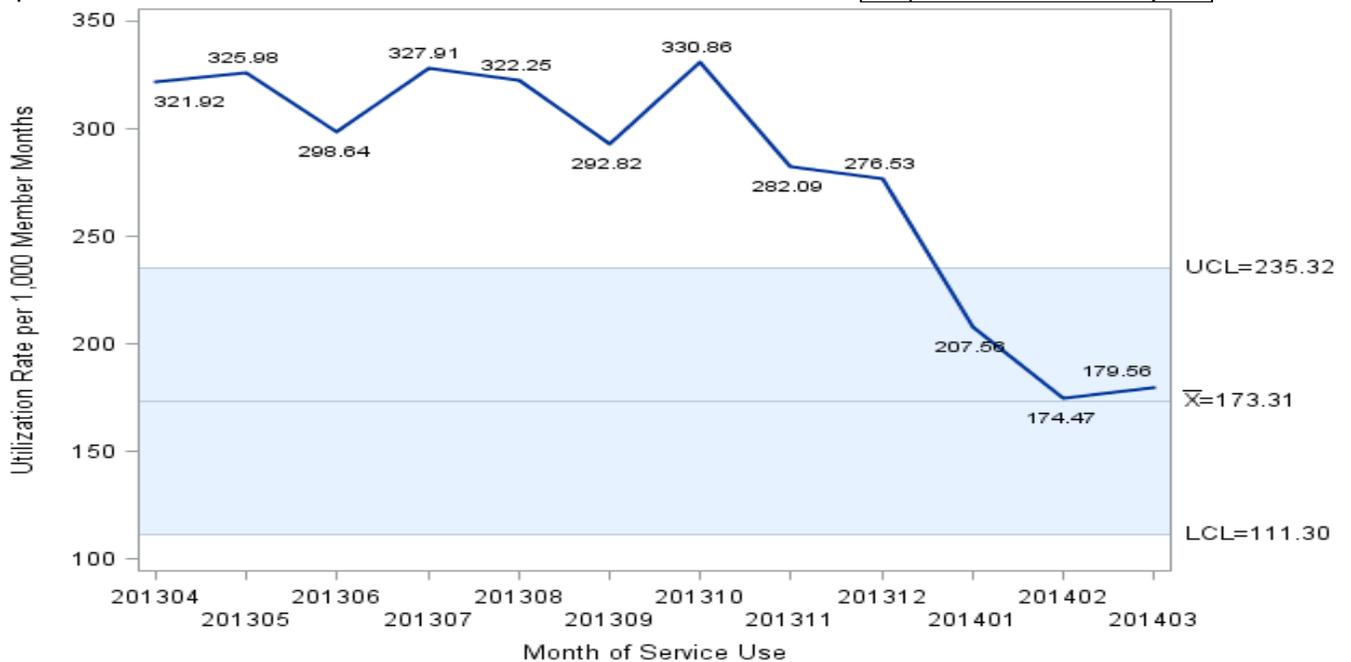


Figure SU-88: Radiology Services Utilization Rates among Adults Ages 21+ in the SPD Aid Category, April 2013–March 2014 Unique User Count = 20,293

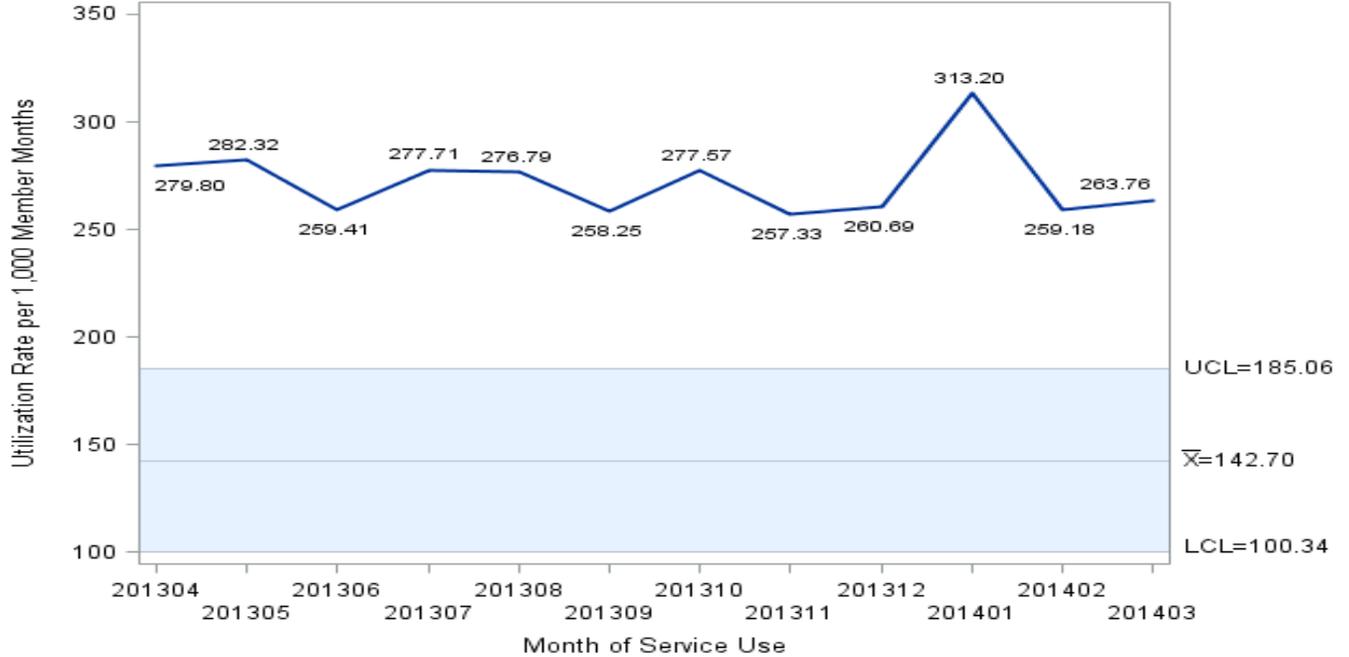


Figure SU-89: Radiology Services Utilization Rates among Adults Ages 21+ in the Undocumented Aid Category, April 2013–March 2014 Unique User Count = 47,703

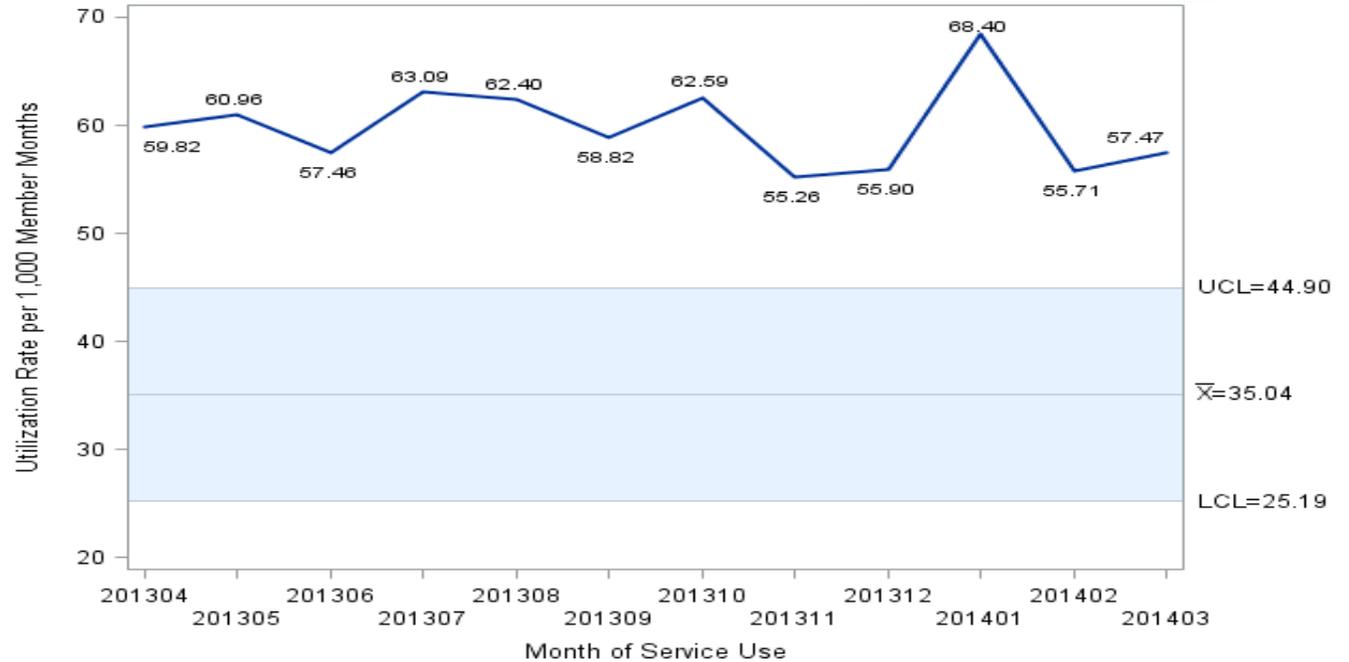
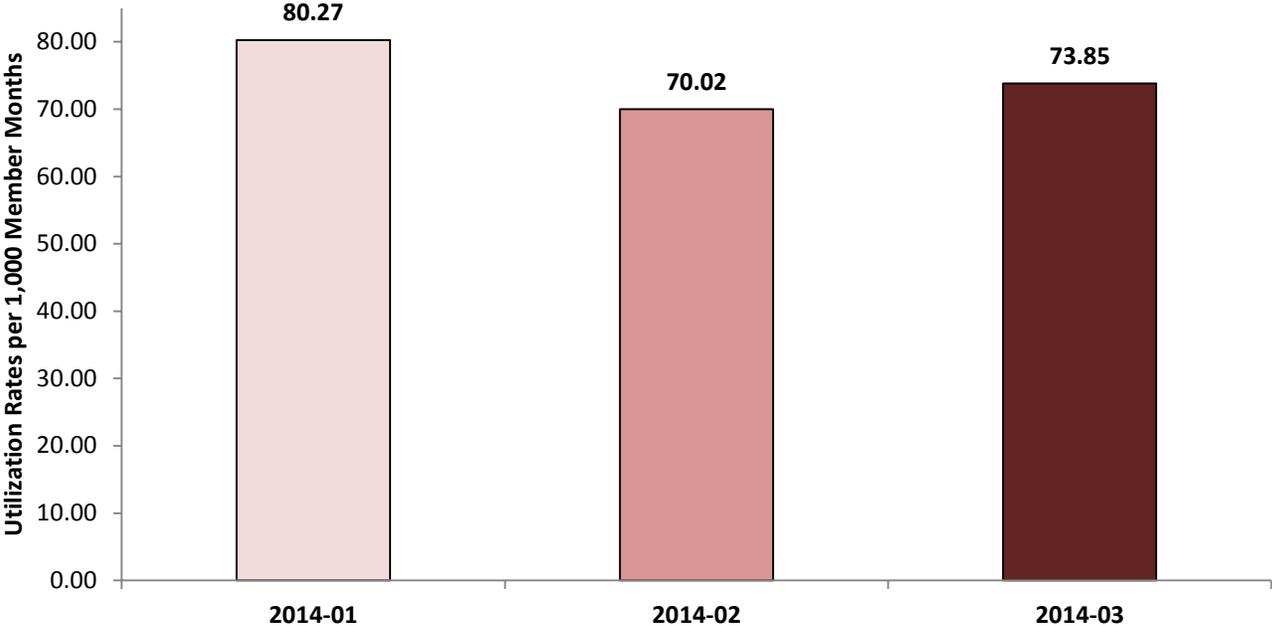


Figure SU-90: Radiology Services Utilization Rates among Adults Ages 21+ in the ACA Expansion Adult Ages 19-64 Aid Category, January 2014–March 2014

Unique User Count = **45,619**



Source: Figures SU-86 to SU-90 created by DHCS Research and Analytic Studies Division using data from the MIS/DSS claims and eligibility tables with dates of service/eligibility from April 2013–March 2014. Data extracted from the MIS/DSS four months after corresponding time period to allow for processing of claims and updates to enrollment.

*Figure SU-86: April 2013 = 145.75, May 2013 = 144.42; Figure SU-87: January 2014 = 207.56.

Summary Tables

Tables SU-2 and SU-3 present the results of DHCS' analysis of utilization trends among children and adults, by aid and service categories. The tables are color-coded to identify those cases where a particular cell, which presents utilization by aid and service categories, generated a utilization rate that was either lower or higher than the established confidence interval.

- Beige – Represents utilization rates found to be within the expected confidence intervals.
- Blue – Represents utilization rates where no potential expected confidence intervals are available.
- Green – Represents utilization rates found to be outside of the expected confidence intervals.

In some cases, a rate was found to be higher than expected. As noted above, there are a number of reasons why this might occur, such as changes in population mix.

Service Utilization

Table SU-2: Summary of Service Utilization Trends among FFS Medi-Cal Only Children Ages 0–20, by Aid Category and Service Category^{11,12}

	<i>Physician / Clinic Visits</i>	<i>Emergency Medical Transportation</i>	<i>Home Health Services</i>	<i>Hospital Inpatient Services</i>	<i>Hospital Outpatient Services</i>	<i>Pharmacy Services</i>	<i>Other Services</i>	<i>Radiology Services</i>
ACA Expansion Adults-Age 19-64	Upward Trend.	N/A	N/A	N/A	No Significant Pattern.	Upward Trend.	Upward Trend.	Upward Trend.
Adoption/Foster Care	Mostly Below Average and Within the Expected Range.	Mostly Above Average and Mostly Within the Expected Range.	N/A	Mostly Within the Expected Range.	Mostly Below Average and Within the Expected Range.	Mostly Within the Expected Range.	Mostly Below Average and Mostly Within Expected Range.	Above the Expected Range.
CHIP	Mostly Below Average with 4 Consecutive Months Below the Expected Range (Dec 2013 – Mar 2014).	N/A	N/A	Mostly Within the Expected Range.	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	Below Average and Within Expected Range.	Mostly Above the Expected Range.
Other	Mostly Below Average and Mostly Within the Expected Range.	Mostly Below Average with 4 Consecutive Months Below the Expected Range (Dec 2013 – Mar 2014).	N/A	Mostly Above the Expected Range. ¹³	Below Average with Several Months Below the Expected Range.	Below Average with Several Months Below the Expected Range.	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	Mostly Above the Expected Range.
Parent/Caretaker Relative & Child	Mostly Below Average and Mostly Within the Expected Range.	Mostly Below Average and Mostly Within the Expected Range.	Mostly Below Average and Mostly Within the Expected Range.	Mostly Above the Expected Range. ¹¹	Below Average with Several Months Below the Expected Range.	Below Average and Mostly Below the Expected Range.	Below Average and Within Expected Range.	Above the Expected Range.
SPD	Mostly Below Average and Within Expected Range.	Mostly Below Average and Mostly Within Expected Range.	Above Expected Range.	Mostly Within Expected Range.	Mostly Below Average and Mostly Within Expected Range.	Within Expected Range.	Below Average and Within Expected Range.	Above the Expected Range.
Undocumented	Mostly Below Average and Within Expected Range.	Mostly Above Average and Within Expected Range.	N/A	Mostly Above Expected Range. ¹¹	Within Expected Range.	Mostly Below Average and Within Expected Range.	Mostly Below Average and Mostly Within Expected Range.	Above the Expected Range.

¹¹ Children were excluded from analyses of Non-Emergency Medical Transportation and Nursing Facility services utilization due to low user counts (n<500).

¹² Subpopulation user counts can be found in corresponding figures located in the Service Utilization measure.

¹³ Within expected range prior to July 2013 admin change which generated claims for infants previously billed on mother’s claim. Months shown as above expected range reflect a change in reporting and not a change in utilization.

Service Utilization

Table SU-3: Summary of Service Utilization Trends among FFS Medi-Cal Only Adults Ages 21+, by Aid Category and Service Category¹⁴

	<i>Physician / Clinic Visits</i>	<i>Non-Emergency Transportation</i>	<i>Emergency Medical Transportation</i>	<i>Home Health Services</i>	<i>Hospital Inpatient Services</i>	<i>Hospital Outpatient Services</i>	<i>Nursing Facility Services</i>	<i>Pharmacy Services</i>	<i>Other Services</i>	<i>Radiology Services</i>
ACA Expansion Adults- Age 19-64	No Significant Pattern.	Upward Trend.	No Significant Pattern.	N/A	Downward Trend.	No Significant Pattern.	No Significant Pattern.	Upward Trend.	Upward Trend.	No Significant Pattern.
Parent/Caretaker Relative & Child	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	N/A	Mostly Below Average with 3 Consecutive Months Below the Expected Range (Jan 2014 – Mar 2014).	N/A	Mostly Below Average with Several Months Below the Expected Range.	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	N/A	Below Average with 7 Consecutive Months Below the Expected Range (Sep 2013 – Mar 2014).	Mostly Below the Expected Range.	Mostly Above Expected Range.
Other	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	Mostly Below Average with 4 Consecutive Months Below the Expected Range (Dec 2013 – Mar 2014).	Below Average with 7 Consecutive Months Below the Expected Range (Sep 2013 – Mar 2014).	N/A	Below the Expected Range. Downward Trend (Oct 2013 – Mar 2014).	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	Mostly Below the Expected Range.	Below Average with 5 Consecutive Months Below the Expected Range (Nov 2013 – Mar 2014).	Mostly Below Average with 4 Consecutive Months Below the Expected Range (Dec 2013 – Mar 2014).	Mostly Above Expected Range.
SPD	Mostly Below Average Within the Expected Range.	Above Average with 4 Consecutive Months Above the Expected Range (Dec 2013 – Mar 2014).	Above Average and Mostly Within the Expected Range.	Mostly Below Average and Mostly Within the Expected Range.	Within the Expected Range.	Within the Expected Range.	Above the Expected Range.	Below Average and Mostly Within the Expected Range.	Below Average and Within the Expected Range.	Above the Expected Range.
Undocumented	Mostly Below Average with Several Months Below the Expected Range.	N/A	Mostly Below Average and Within the Expected Range.	N/A	Mostly Below the Expected Range.	Mostly Below Average and Within the Expected Range.	N/A	Within the Expected Range.	Below Average and Mostly Within the Expected Range.	Above the Expected Range.

¹⁴ Subpopulation user counts can be found in corresponding figures located in the Service Utilization measure.

Conclusions – Service Utilization among Children Participating in FFS Medi-Cal Only

- As a result of the new aid categories, it was necessary to update the service utilization baseline data for children to reflect the redefined groupings. Service utilization patterns for children in Quarter 1, 2014 in most aid categories primarily fell within the expected ranges of the updated baseline. However, some shifts in utilization were observed in this report and may be attributable to a change in population case mix as a result of the continued expansions in Medi-Cal managed care and the transition of the HFP population in 2013. In particular, the utilization of Radiology services among children in most of the analyzed aid categories reached above the expected ranges.
- Children in most of the analyzed aid code categories mostly exhibited below-average and lower-than-expected use of Hospital Outpatient, Pharmacy, and Other services.
- Children in the Other and Parent/Caretaker Relative & Child aid categories exhibited utilization of several service categories (e.g., Emergency Medical Transportation, Hospital Outpatient, Pharmacy, Physician/Clinic, and Other) that mostly fell below either the average rates or the expected ranges established during the baseline period.
- Physician/Clinic service use patterns among children in most of the analyzed aid categories fell below the average rates established during the baseline period. The lower utilization rates among children in the Adoption/Foster Care, Other, Parent/Caretaker Relative & Child, and Undocumented aid categories may be influenced, in part, by the change in population case mix as a result of the continued expansions in Medi-Cal managed care and the transition of the HFP population in 2013.
- As the FFS Medi-Cal population case mix continued to change, many service categories (e.g.; Non-Emergency Transportation, Home Health, and Nursing Facility services) experienced a noticeable decline in user counts that made the data unsuitable for analysis.

Conclusions – Service Utilization among Adults Participating in FFS Medi-Cal Only

- Similar to children, it was also necessary to update the service utilization baseline data for adults to reflect the redefined aid code groupings. Service utilization patterns for adults in Quarter 1, 2014 in most aid categories primarily fell within the expected ranges of the updated baseline. However, some shifts in utilization were observed in this report and may be attributable to a change in population case mix as a result of the continued expansions in Medi-Cal managed care and the transition of the HFP population in 2013. In particular, the utilization of Radiology services among adults in most of the analyzed aid categories reached above the expected ranges.
- Adults in the SPD aid category mostly exhibited utilization of several service categories (e.g., Emergency Transportation, Non-Emergency Transportation, Nursing Facility, and Radiology services) that fell above either the average rates or the expected ranges established during the baseline period.
- The utilization of all of the analyzed service categories, except for Radiology, by adults in the Other and Parent/Caretaker Relative & Child aid code categories mostly fell below either the average rates or the expected ranges.
- Adults in the Undocumented aid category, who are only eligible for emergency and pregnancy-related services, also continued to exhibit below-average and lower-than-expected use of Emergency Transportation, Hospital Inpatient, Hospital Outpatient, and Other services, as well as Physician/Clinic visits.

Appendix A – Detailed List of Other Providers

- Community-Based Adult Services Program (formerly called Adult Day Health Care) (Provider Type (PT) 001)
- Assistive Device and Sick Room Supply Dealers (PT 002)
- Audiology Services–Audiologists (PT 003), Hearing Aid Dispensers (PT 013)
- Blood Banks (PT 004)
- Certified Nurse Midwife (PT 005)
- Chiropractors (PT 006)
- Certified Nurse Practitioner (PT 007), Group Certified Family/Pediatric Nurse Practitioners (PT 010)
- Christian Science Practitioner (PT 008)
- Fabricating Optical Lab (PT 011), Dispensing Opticians (PT 012), Optometrists (PT 020), and Optometric Groups (PT 023)
- Nurse Anesthetists (PT 018)
- Physical Therapist (PT 025), Occupational Therapist (PT 019), Speech Therapist (PT 037)
- Orthotists (PT 021), Prosthetists (PT 029)
- Podiatrists (PT 027)
- Portable X-Ray (PT 028)
- Psychologists (PT 031)
- Certified Acupuncturist (PT 032)
- Genetic Disease Testing (PT 033)
- Medicare Crossover Provider Only (PT 034)
- Outpatient Heroin Detoxification Center (PT 051)
- Local Education Agency (LEA) (PT 055)
- Respiratory Care Practitioner (056) and Respiratory Care Practitioner Group (PT 062)
- Early and Periodic Screening, Diagnosis and Treatment (EPSDT) Supplemental Services Provider (PT 057)
- Health Access Program (HAP) (PT 058)
- Home and Community-Based Services (HCBS) Waiver Programs (Multiple Provider Types):
 - HCBS Nursing Facility (Congregate Living Health Facilities with Type A licensure) (PT 059)
 - HCBS Licensed Building Contractors (PT 063)
 - HCBS Employment Agency (PT 064)
 - HCBS Personal Care Agency (PT 066)
 - HCBS Benefit Provider (Licensed Clinical Social Worker, Licensed Psychologist, or Marriage and Family Therapist) (PT 068)
 - HCBS Professional Corporation (PT 069)
 - AIDS Waiver (PT 073)
 - Multipurpose Senior Services Program Waiver (PT 074)
 - Residential Care Facility for the Elderly (PT 092)

- Assisted Living Waiver-Care Coordinator (PT 093)
- HCBS Private Non-Profit (PT 095)
- Pediatric Subacute Care/LTC (PT 065)
- RVNS Individual Nurse Providers (PT 067)
- CCS/GHPP Non-Institutional Providers (PT 080)
- CCS/GHPP Institutional Providers (PT 081)
- Independent Diagnostic Testing Facility Crossover (PT 084)
- Clinical Nurse Specialist Crossover Provider (PT 085)
- Out-of-State Providers (PT 090)

Appendix B – Utilization Rate Tables

Physician Clinic Visits

Table SU-4: Physician/Clinic Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	ACA Expansion Adult Ages 19 to 64 Unique Users=3,102	Jan-14	75.51			
		Feb-14	91.58			
		Mar-14	98.86			
Age 0–20	Adoption/Foster Care Unique Users=33,631	Apr-13	257.30	201.04	253.48	305.93
		May-13	248.69	201.04	253.48	305.93
		Jun-13	208.37	201.04	253.48	305.93
		Jul-13	232.82	201.04	253.48	305.93
		Aug-13	243.69	201.04	253.48	305.93
		Sep-13	236.12	201.04	253.48	305.93
		Oct-13	269.06	201.04	253.48	305.93
		Nov-13	234.45	201.04	253.48	305.93
		Dec-13	234.13	201.04	253.48	305.93
		Jan-14	288.88	201.04	253.48	305.93
		Feb-14	246.90	201.04	253.48	305.93
		Mar-14	264.78	201.04	253.48	305.93
Age 0–20	CHIP Unique Users=23,219	Apr-13	132.26	106.48	135.69	164.90
		May-13	131.58	106.48	135.69	164.90
		Jun-13	114.32	106.48	135.69	164.90
		Jul-13	123.65	106.48	135.69	164.90
		Aug-13	151.72	106.48	135.69	164.90
		Sep-13	142.77	106.48	135.69	164.90
		Oct-13	161.28	106.48	135.69	164.90
		Nov-13	127.28	106.48	135.69	164.90
		Dec-13	94.37	106.48	135.69	164.90
		Jan-14	92.03	106.48	135.69	164.90
		Feb-14	83.01	106.48	135.69	164.90
		Mar-14	94.55	106.48	135.69	164.90
Age 0–20	Other Unique Users=92,380	Apr-13	589.58	512.31	615.86	719.40
		May-13	592.10	512.31	615.86	719.40
		Jun-13	536.00	512.31	615.86	719.40
		Jul-13	596.93	512.31	615.86	719.40
		Aug-13	580.60	512.31	615.86	719.40
		Sep-13	531.82	512.31	615.86	719.40
		Oct-13	633.13	512.31	615.86	719.40

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Other	Nov-13	574.74	512.31	615.86	719.40
		Dec-13	598.54	512.31	615.86	719.40
		Jan-14	563.87	512.31	615.86	719.40
		Feb-14	455.71	512.31	615.86	719.40
		Mar-14	470.09	512.31	615.86	719.40
Age 0-20	Parent/Caretaker Relative & Child Unique Users=124,381	Apr-13	318.41	264.24	311.03	357.82
		May-13	309.10	264.24	311.03	357.82
		Jun-13	257.59	264.24	311.03	357.82
		Jul-13	277.22	264.24	311.03	357.82
		Aug-13	292.33	264.24	311.03	357.82
		Sep-13	288.75	264.24	311.03	357.82
		Oct-13	327.66	264.24	311.03	357.82
		Nov-13	289.54	264.24	311.03	357.82
		Dec-13	299.76	264.24	311.03	357.82
		Jan-14	306.63	264.24	311.03	357.82
		Feb-14	266.58	264.24	311.03	357.82
		Mar-14	265.57	264.24	311.03	357.82
		Age 0-20	SPD Unique Users=12,589	Apr-13	566.80	460.08
May-13	549.26			460.08	561.51	662.95
Jun-13	461.91			460.08	561.51	662.95
Jul-13	511.29			460.08	561.51	662.95
Aug-13	534.89			460.08	561.51	662.95
Sep-13	491.36			460.08	561.51	662.95
Oct-13	573.50			460.08	561.51	662.95
Nov-13	484.55			460.08	561.51	662.95
Dec-13	488.53			460.08	561.51	662.95
Jan-14	594.04			460.08	561.51	662.95
Feb-14	518.66			460.08	561.51	662.95
Age 0-20	Undocumented Unique Users=21,607	Apr-13	168.26	157.96	180.34	202.72
		May-13	171.93	157.96	180.34	202.72
		Jun-13	157.41	157.96	180.34	202.72
		Jul-13	176.63	157.96	180.34	202.72
		Aug-13	177.93	157.96	180.34	202.72
		Sep-13	166.15	157.96	180.34	202.72
		Oct-13	181.75	157.96	180.34	202.72
		Nov-13	160.15	157.96	180.34	202.72
		Dec-13	164.72	157.96	180.34	202.72
		Jan-14	179.41	157.96	180.34	202.72

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Undocumented	Feb-14	157.50	157.96	180.34	202.72
		Mar-14	162.10	157.96	180.34	202.72
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=115,028	Jan-14	232.63			
		Feb-14	208.65			
		Mar-14	220.45			
Age 21+	Other Unique Users=58,956	Apr-13	1,104.08	1,020.39	1,235.77	1,451.16
		May-13	1,115.76	1,020.39	1,235.77	1,451.16
		Jun-13	1,005.69	1,020.39	1,235.77	1,451.16
		Jul-13	1,137.28	1,020.39	1,235.77	1,451.16
		Aug-13	1,105.23	1,020.39	1,235.77	1,451.16
		Sep-13	1,037.94	1,020.39	1,235.77	1,451.16
		Oct-13	1,161.37	1,020.39	1,235.77	1,451.16
		Nov-13	997.97	1,020.39	1,235.77	1,451.16
		Dec-13	960.72	1,020.39	1,235.77	1,451.16
		Jan-14	728.06	1,020.39	1,235.77	1,451.16
		Feb-14	639.95	1,020.39	1,235.77	1,451.16
Mar-14	657.19	1,020.39	1,235.77	1,451.16		
Age 21+	Parent/Caretaker Relative & Child Unique Users= 66,257	Apr-13	472.02	412.35	489.33	566.31
		May-13	460.92	412.35	489.33	566.31
		Jun-13	409.39	412.35	489.33	566.31
		Jul-13	453.09	412.35	489.33	566.31
		Aug-13	437.04	412.35	489.33	566.31
		Sep-13	409.86	412.35	489.33	566.31
		Oct-13	456.40	412.35	489.33	566.31
		Nov-13	371.29	412.35	489.33	566.31
		Dec-13	362.57	412.35	489.33	566.31
		Jan-14	358.35	412.35	489.33	566.31
		Feb-14	301.64	412.35	489.33	566.31
Mar-14	308.78	412.35	489.33	566.31		
Age 21+	SPD Unique Users=46,264	Apr-13	1,054.87	880.83	1,039.17	1,197.51
		May-13	1,050.65	880.83	1,039.17	1,197.51
		Jun-13	949.71	880.83	1,039.17	1,197.51
		Jul-13	1,030.73	880.83	1,039.17	1,197.51
		Aug-13	1,005.71	880.83	1,039.17	1,197.51
		Sep-13	952.24	880.83	1,039.17	1,197.51
		Oct-13	1,055.14	880.83	1,039.17	1,197.51
		Nov-13	944.70	880.83	1,039.17	1,197.51
Dec-13	944.79	880.83	1,039.17	1,197.51		

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	SPD	Jan-14	1,148.18	880.83	1,039.17	1,197.51
		Feb-14	974.44	880.83	1,039.17	1,197.51
		Mar-14	1,001.81	880.83	1,039.17	1,197.51
Age 21+	Undocumented Unique Users=79,359	Apr-13	192.18	178.85	214.47	250.08
		May-13	194.77	178.85	214.47	250.08
		Jun-13	177.67	178.85	214.47	250.08
		Jul-13	200.28	178.85	214.47	250.08
		Aug-13	196.36	178.85	214.47	250.08
		Sep-13	180.96	178.85	214.47	250.08
		Oct-13	197.85	178.85	214.47	250.08
		Nov-13	173.01	178.85	214.47	250.08
		Dec-13	177.02	178.85	214.47	250.08
		Jan-14	209.58	178.85	214.47	250.08
		Feb-14	173.16	178.85	214.47	250.08
		Mar-14	176.84	178.85	214.47	250.08

Source: Created by Research and Analytic Studies Division

Non-Emergency Medical Transportation Services

Table SU-5: Non-Emergency Medical Transportation Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=547	Jan-14	0.50			
		Feb-14	0.66			
		Mar-14	0.86			
Age 21+	Other Unique Users=960	Apr-13	29.20	25.85	29.92	33.99
		May-13	31.27	25.85	29.92	33.99
		Jun-13	28.50	25.85	29.92	33.99
		Jul-13	30.96	25.85	29.92	33.99
		Aug-13	29.91	25.85	29.92	33.99
		Sep-13	25.87	25.85	29.92	33.99
		Oct-13	28.69	25.85	29.92	33.99
		Nov-13	26.16	25.85	29.92	33.99
		Dec-13	24.16	25.85	29.92	33.99
		Jan-14	15.12	25.85	29.92	33.99
		Feb-14	14.70	25.85	29.92	33.99
		Mar-14	15.32	25.85	29.92	33.99
Age 21+	SPD Unique Users=2,536	Apr-13	59.61	51.00	57.94	64.88
		May-13	60.95	51.00	57.94	64.88
		Jun-13	58.55	51.00	57.94	64.88
		Jul-13	62.53	51.00	57.94	64.88
		Aug-13	60.37	51.00	57.94	64.88
		Sep-13	61.50	51.00	57.94	64.88
		Oct-13	66.78	51.00	57.94	64.88
		Nov-13	63.01	51.00	57.94	64.88
		Dec-13	66.00	51.00	57.94	64.88
		Jan-14	71.24	51.00	57.94	64.88
		Feb-14	65.95	51.00	57.94	64.88
		Mar-14	71.92	51.00	57.94	64.88

Source: Created by DHCS Research and Analytic Studies Division

Emergency Medical Transportation Services

Table SU-6: Emergency Medical Transportation Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Adoption/Foster Care Unique Users=1,084	Apr-13	5.00	3.76	4.77	5.78
		May-13	5.98	3.76	4.77	5.78
		Jun-13	4.18	3.76	4.77	5.78
		Jul-13	4.79	3.76	4.77	5.78
		Aug-13	4.98	3.76	4.77	5.78
		Sep-13	5.10	3.76	4.77	5.78
		Oct-13	5.63	3.76	4.77	5.78
		Nov-13	4.77	3.76	4.77	5.78
		Dec-13	4.53	3.76	4.77	5.78
		Jan-14	5.36	3.76	4.77	5.78
		Feb-14	4.63	3.76	4.77	5.78
		Mar-14	5.60	3.76	4.77	5.78
Age 0–20	Other Unique Users=872	Apr-13	3.38	3.00	3.90	4.79
		May-13	3.68	3.00	3.90	4.79
		Jun-13	3.41	3.00	3.90	4.79
		Jul-13	4.11	3.00	3.90	4.79
		Aug-13	3.40	3.00	3.90	4.79
		Sep-13	2.60	3.00	3.90	4.79
		Oct-13	3.16	3.00	3.90	4.79
		Nov-13	3.41	3.00	3.90	4.79
		Dec-13	2.99	3.00	3.90	4.79
		Jan-14	2.97	3.00	3.90	4.79
		Feb-14	2.37	3.00	3.90	4.79
		Mar-14	2.37	3.00	3.90	4.79
Age 0–20	Parent/Caretaker Relative & Child Unique Users=2,609	Apr-13	3.00	2.60	3.03	3.46
		May-13	3.09	2.60	3.03	3.46
		Jun-13	2.57	2.60	3.03	3.46
		Jul-13	2.86	2.60	3.03	3.46
		Aug-13	2.71	2.60	3.03	3.46
		Sep-13	2.86	2.60	3.03	3.46
		Oct-13	2.95	2.60	3.03	3.46
		Nov-13	2.86	2.60	3.03	3.46
		Dec-13	2.81	2.60	3.03	3.46
		Jan-14	3.19	2.60	3.03	3.46
		Feb-14	2.92	2.60	3.03	3.46

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Parent/Caretaker Relative & Child	Mar-14	2.79	2.60	3.03	3.46
Age 0-20	SPD Unique Users=633	Apr-13	8.88	7.29	9.04	10.80
		May-13	8.30	7.29	9.04	10.80
		Jun-13	6.77	7.29	9.04	10.80
		Jul-13	8.10	7.29	9.04	10.80
		Aug-13	9.29	7.29	9.04	10.80
		Sep-13	8.40	7.29	9.04	10.80
		Oct-13	8.98	7.29	9.04	10.80
		Nov-13	8.15	7.29	9.04	10.80
		Dec-13	9.16	7.29	9.04	10.80
		Jan-14	10.27	7.29	9.04	10.80
		Feb-14	9.01	7.29	9.04	10.80
		Mar-14	9.34	7.29	9.04	10.80
Age 0-20	Undocumented Unique Users=644	Apr-13	1.64	1.16	1.72	2.28
		May-13	2.12	1.16	1.72	2.28
		Jun-13	1.78	1.16	1.72	2.28
		Jul-13	1.97	1.16	1.72	2.28
		Aug-13	1.78	1.16	1.72	2.28
		Sep-13	1.51	1.16	1.72	2.28
		Oct-13	2.09	1.16	1.72	2.28
		Nov-13	1.81	1.16	1.72	2.28
		Dec-13	1.54	1.16	1.72	2.28
		Jan-14	1.69	1.16	1.72	2.28
		Feb-14	1.78	1.16	1.72	2.28
		Mar-14	1.82	1.16	1.72	2.28
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=9,221	Jan-14	9.37			
		Feb-14	8.53			
		Mar-14	9.20			
Age 21+	Other Unique Users=1,896	Apr-13	13.11	12.48	14.49	16.50
		May-13	14.58	12.48	14.49	16.50
		Jun-13	13.28	12.48	14.49	16.50
		Jul-13	14.00	12.48	14.49	16.50
		Aug-13	13.19	12.48	14.49	16.50
		Sep-13	11.66	12.48	14.49	16.50
		Oct-13	12.40	12.48	14.49	16.50
		Nov-13	12.45	12.48	14.49	16.50
		Dec-13	12.26	12.48	14.49	16.50
		Jan-14	8.38	12.48	14.49	16.50

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	Other	Feb-14	7.38	12.48	14.49	16.50
		Mar-14	8.36	12.48	14.49	16.50
Age 21+	Parent/Caretaker Relative & Child Unique Users=2,782	Apr-13	6.79	6.54	7.54	8.53
		May-13	7.46	6.54	7.54	8.53
		Jun-13	7.30	6.54	7.54	8.53
		Jul-13	8.16	6.54	7.54	8.53
		Aug-13	7.26	6.54	7.54	8.53
		Sep-13	7.26	6.54	7.54	8.53
		Oct-13	6.96	6.54	7.54	8.53
		Nov-13	7.26	6.54	7.54	8.53
		Dec-13	6.92	6.54	7.54	8.53
		Jan-14	6.44	6.54	7.54	8.53
		Feb-14	5.44	6.54	7.54	8.53
		Mar-14	5.85	6.54	7.54	8.53
Age 21+	SPD Unique Users=5,674	Apr-13	39.73	34.32	38.88	43.44
		May-13	42.89	34.32	38.88	43.44
		Jun-13	40.29	34.32	38.88	43.44
		Jul-13	43.60	34.32	38.88	43.44
		Aug-13	42.45	34.32	38.88	43.44
		Sep-13	41.16	34.32	38.88	43.44
		Oct-13	40.06	34.32	38.88	43.44
		Nov-13	40.33	34.32	38.88	43.44
		Dec-13	40.98	34.32	38.88	43.44
		Jan-14	44.90	34.32	38.88	43.44
		Feb-14	39.48	34.32	38.88	43.44
Mar-14	40.72	34.32	38.88	43.44		
Age 21+	Undocumented Unique Users=2,959	Apr-13	2.02	1.73	2.06	2.39
		May-13	2.05	1.73	2.06	2.39
		Jun-13	1.83	1.73	2.06	2.39
		Jul-13	2.11	1.73	2.06	2.39
		Aug-13	2.11	1.73	2.06	2.39
		Sep-13	1.95	1.73	2.06	2.39
		Oct-13	1.95	1.73	2.06	2.39
		Nov-13	1.88	1.73	2.06	2.39
		Dec-13	1.85	1.73	2.06	2.39
		Jan-14	2.22	1.73	2.06	2.39
		Feb-14	1.79	1.73	2.06	2.39
Mar-14	1.87	1.73	2.06	2.39		

Source: Created by DHCS Research and Analytic Studies Division

Home Health Services

Table SU-7: Home Health Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Parent/Caretaker Relative & Child Unique Users=500	Apr-13	0.77	0.67	0.92	1.18
		May-13	0.62	0.67	0.92	1.18
		Jun-13	0.56	0.67	0.92	1.18
		Jul-13	0.73	0.67	0.92	1.18
		Aug-13	0.61	0.67	0.92	1.18
		Sep-13	0.77	0.67	0.92	1.18
		Oct-13	0.79	0.67	0.92	1.18
		Nov-13	1.17	0.67	0.92	1.18
		Dec-13	1.10	0.67	0.92	1.18
		Jan-14	1.14	0.67	0.92	1.18
		Feb-14	1.08	0.67	0.92	1.18
		Mar-14	0.81	0.67	0.92	1.18
Age 0-20	SPD Unique Users=1,490	Apr-13	152.07	90.23	113.13	136.02
		May-13	151.15	90.23	113.13	136.02
		Jun-13	150.79	90.23	113.13	136.02
		Jul-13	152.84	90.23	113.13	136.02
		Aug-13	147.33	90.23	113.13	136.02
		Sep-13	162.96	90.23	113.13	136.02
		Oct-13	154.60	90.23	113.13	136.02
		Nov-13	155.64	90.23	113.13	136.02
		Dec-13	175.20	90.23	113.13	136.02
		Jan-14	166.06	90.23	113.13	136.02
		Feb-14	153.95	90.23	113.13	136.02
		Mar-14	178.99	90.23	113.13	136.02
Age 21+	SPD Unique Users=826	Apr-13	13.37	11.28	12.57	13.86
		May-13	12.47	11.28	12.57	13.86
		Jun-13	10.92	11.28	12.57	13.86
		Jul-13	12.08	11.28	12.57	13.86
		Aug-13	10.92	11.28	12.57	13.86
		Sep-13	10.52	11.28	12.57	13.86
		Oct-13	12.47	11.28	12.57	13.86
		Nov-13	11.55	11.28	12.57	13.86
		Dec-13	11.30	11.28	12.57	13.86
		Jan-14	14.22	11.28	12.57	13.86
		Feb-14	12.83	11.28	12.57	13.86
		Mar-14	13.09	11.28	12.57	13.86

Source: Created by DHCS Research and Analytic Studies Division

Hospital Inpatient Services

Table SU-8: Hospital Inpatient Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Adoption/Foster Care Unique Users=792	Apr-13	15.04	12.47	16.56	20.65
		May-13	15.16	12.47	16.56	20.65
		Jun-13	14.48	12.47	16.56	20.65
		Jul-13	15.64	12.47	16.56	20.65
		Aug-13	23.12	12.47	16.56	20.65
		Sep-13	15.03	12.47	16.56	20.65
		Oct-13	19.96	12.47	16.56	20.65
		Nov-13	20.05	12.47	16.56	20.65
		Dec-13	20.34	12.47	16.56	20.65
		Jan-14	22.42	12.47	16.56	20.65
		Feb-14	19.93	12.47	16.56	20.65
		Mar-14	17.27	12.47	16.56	20.65
Age 0–20	CHIP Unique Users=673	Apr-13	7.42	3.71	6.93	10.15
		May-13	6.75	3.71	6.93	10.15
		Jun-13	6.48	3.71	6.93	10.15
		Jul-13	7.99	3.71	6.93	10.15
		Aug-13	8.47	3.71	6.93	10.15
		Sep-13	8.94	3.71	6.93	10.15
		Oct-13	10.93	3.71	6.93	10.15
		Nov-13	6.88	3.71	6.93	10.15
		Dec-13	5.75	3.71	6.93	10.15
		Jan-14	6.90	3.71	6.93	10.15
		Feb-14	7.50	3.71	6.93	10.15
		Mar-14	8.89	3.71	6.93	10.15
Age 0–20	Other Unique Users=10,508	Apr-13	62.51	59.21	72.79	86.36
		May-13	64.75	59.21	72.79	86.36
		Jun-13	58.00	59.21	72.79	86.36
		Jul-13	117.48	59.21	72.79	86.36
		Aug-13	100.04	59.21	72.79	86.36
		Sep-13	95.85	59.21	72.79	86.36
		Oct-13	130.17	59.21	72.79	86.36
		Nov-13	123.00	59.21	72.79	86.36
		Dec-13	125.71	59.21	72.79	86.36
		Jan-14	104.96	59.21	72.79	86.36
		Feb-14	81.25	59.21	72.79	86.36
		Mar-14	83.01	59.21	72.79	86.36

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Parent/Caretaker Relative & Child Unique Users=9,775	Apr-13	50.70	40.65	47.60	54.55
		May-13	46.13	40.65	47.60	54.55
		Jun-13	43.08	40.65	47.60	54.55
		Jul-13	68.60	40.65	47.60	54.55
		Aug-13	58.76	40.65	47.60	54.55
		Sep-13	57.62	40.65	47.60	54.55
		Oct-13	61.19	40.65	47.60	54.55
		Nov-13	75.46	40.65	47.60	54.55
		Dec-13	69.20	40.65	47.60	54.55
		Jan-14	76.24	40.65	47.60	54.55
		Feb-14	65.54	40.65	47.60	54.55
		Mar-14	63.39	40.65	47.60	54.55
Age 0-20	SPD Unique Users=1,063	Apr-13	140.17	91.54	115.97	140.40
		May-13	116.07	91.54	115.97	140.40
		Jun-13	95.64	91.54	115.97	140.40
		Jul-13	148.83	91.54	115.97	140.40
		Aug-13	127.15	91.54	115.97	140.40
		Sep-13	109.40	91.54	115.97	140.40
		Oct-13	106.99	91.54	115.97	140.40
		Nov-13	87.27	91.54	115.97	140.40
		Dec-13	95.06	91.54	115.97	140.40
		Jan-14	120.01	91.54	115.97	140.40
		Feb-14	92.99	91.54	115.97	140.40
		Mar-14	103.13	91.54	115.97	140.40
Age 0-20	Undocumented Unique Users=12,736	Apr-13	44.87	39.83	49.74	59.64
		May-13	39.70	39.83	49.74	59.64
		Jun-13	43.05	39.83	49.74	59.64
		Jul-13	101.09	39.83	49.74	59.64
		Aug-13	103.42	39.83	49.74	59.64
		Sep-13	92.03	39.83	49.74	59.64
		Oct-13	120.50	39.83	49.74	59.64
		Nov-13	101.60	39.83	49.74	59.64
		Dec-13	106.15	39.83	49.74	59.64
		Jan-14	112.57	39.83	49.74	59.64
		Feb-14	102.50	39.83	49.74	59.64
		Mar-14	99.26	39.83	49.74	59.64
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=14,251	Jan-14	98.30			
		Feb-14	61.66			

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	ACA Expansion Adult Ages 19 to 64	Mar-14	57.65			
Age 21+	Other Unique Users=10,650	Apr-13	179.02	196.58	225.28	253.97
		May-13	186.78	196.58	225.28	253.97
		Jun-13	166.40	196.58	225.28	253.97
		Jul-13	192.17	196.58	225.28	253.97
		Aug-13	182.35	196.58	225.28	253.97
		Sep-13	180.79	196.58	225.28	253.97
		Oct-13	195.48	196.58	225.28	253.97
		Nov-13	182.54	196.58	225.28	253.97
		Dec-13	169.98	196.58	225.28	253.97
		Jan-14	112.41	196.58	225.28	253.97
		Feb-14	95.13	196.58	225.28	253.97
		Mar-14	99.55	196.58	225.28	253.97
Age 21+	Parent/Caretaker Relative & Child Unique Users=7,107	Apr-13	61.08	61.04	68.36	75.68
		May-13	57.23	61.04	68.36	75.68
		Jun-13	53.04	61.04	68.36	75.68
		Jul-13	63.49	61.04	68.36	75.68
		Aug-13	60.97	61.04	68.36	75.68
		Sep-13	56.95	61.04	68.36	75.68
		Oct-13	68.70	61.04	68.36	75.68
		Nov-13	64.70	61.04	68.36	75.68
		Dec-13	63.42	61.04	68.36	75.68
		Jan-14	63.37	61.04	68.36	75.68
		Feb-14	47.17	61.04	68.36	75.68
		Mar-14	51.01	61.04	68.36	75.68
Age 21+	SPD Unique Users=6,224	Apr-13	267.83	212.08	258.92	305.76
		May-13	254.38	212.08	258.92	305.76
		Jun-13	228.65	212.08	258.92	305.76
		Jul-13	287.37	212.08	258.92	305.76
		Aug-13	268.84	212.08	258.92	305.76
		Sep-13	237.14	212.08	258.92	305.76
		Oct-13	304.02	212.08	258.92	305.76
		Nov-13	266.04	212.08	258.92	305.76
		Dec-13	237.11	212.08	258.92	305.76
		Jan-14	287.25	212.08	258.92	305.76
		Feb-14	233.54	212.08	258.92	305.76
		Mar-14	212.09	212.08	258.92	305.76
Age 21+	Undocumented	Apr-13	33.63	36.03	40.55	45.08

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	Undocumented Unique Users=18,543	May-13	34.31	36.03	40.55	45.08
		Jun-13	29.44	36.03	40.55	45.08
		Jul-13	35.46	36.03	40.55	45.08
		Aug-13	36.62	36.03	40.55	45.08
		Sep-13	33.00	36.03	40.55	45.08
		Oct-13	35.77	36.03	40.55	45.08
		Nov-13	32.20	36.03	40.55	45.08
		Dec-13	32.59	36.03	40.55	45.08
		Jan-14	37.59	36.03	40.55	45.08
		Feb-14	30.73	36.03	40.55	45.08
		Mar-14	31.21	36.03	40.55	45.08

Source: Created by DHCS Research and Analytic Studies Division

Hospital Outpatient Services

Table SU-9: Hospital Outpatient Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	ACA Expansion Adult Ages 19 to 64 Unique Users=2,153	Jan-14	44.38			
		Feb-14	41.76			
		Mar-14	45.11			
Age 0–20	Adoption/Foster Care Unique Users=12,394	Apr-13	70.69	59.21	70.69	82.17
		May-13	69.76	59.21	70.69	82.17
		Jun-13	60.70	59.21	70.69	82.17
		Jul-13	64.87	59.21	70.69	82.17
		Aug-13	64.93	59.21	70.69	82.17
		Sep-13	66.05	59.21	70.69	82.17
		Oct-13	70.93	59.21	70.69	82.17
		Nov-13	64.10	59.21	70.69	82.17
		Dec-13	62.29	59.21	70.69	82.17
		Jan-14	75.79	59.21	70.69	82.17
		Feb-14	70.07	59.21	70.69	82.17
		Mar-14	74.85	59.21	70.69	82.17
Age 0–20	CHIP Unique Users=7,333	Apr-13	32.36	32.20	38.32	44.44
		May-13	32.71	32.20	38.32	44.44
		Jun-13	29.20	32.20	38.32	44.44
		Jul-13	28.60	32.20	38.32	44.44
		Aug-13	32.44	32.20	38.32	44.44
		Sep-13	33.27	32.20	38.32	44.44
		Oct-13	36.37	32.20	38.32	44.44
		Nov-13	29.64	32.20	38.32	44.44
		Dec-13	22.95	32.20	38.32	44.44
		Jan-14	23.59	32.20	38.32	44.44
		Feb-14	19.96	32.20	38.32	44.44
		Mar-14	23.92	32.20	38.32	44.44
Age 0–20	Other Unique Users=22,848	Apr-13	106.51	97.25	116.57	135.90
		May-13	107.69	97.25	116.57	135.90
		Jun-13	99.28	97.25	116.57	135.90
		Jul-13	106.16	97.25	116.57	135.90
		Aug-13	95.17	97.25	116.57	135.90
		Sep-13	92.22	97.25	116.57	135.90
		Oct-13	107.69	97.25	116.57	135.90
		Nov-13	98.98	97.25	116.57	135.90

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Other	Dec-13	101.61	97.25	116.57	135.90
		Jan-14	96.66	97.25	116.57	135.90
		Feb-14	74.58	97.25	116.57	135.90
		Mar-14	76.12	97.25	116.57	135.90
Age 0-20	Parent/Caretaker Relative & Child Unique Users=45,284	Apr-13	72.45	67.64	78.63	89.61
		May-13	72.17	67.64	78.63	89.61
		Jun-13	62.31	67.64	78.63	89.61
		Jul-13	63.78	67.64	78.63	89.61
		Aug-13	65.27	67.64	78.63	89.61
		Sep-13	65.97	67.64	78.63	89.61
		Oct-13	70.61	67.64	78.63	89.61
		Nov-13	61.48	67.64	78.63	89.61
		Dec-13	64.59	67.64	78.63	89.61
		Jan-14	67.82	67.64	78.63	89.61
		Feb-14	58.33	67.64	78.63	89.61
		Mar-14	60.86	67.64	78.63	89.61
		Age 0-20	SPD Unique Users=6,941	Apr-13	175.12	149.07
May-13	173.67			149.07	180.45	211.82
Jun-13	146.98			149.07	180.45	211.82
Jul-13	165.15			149.07	180.45	211.82
Aug-13	166.81			149.07	180.45	211.82
Sep-13	158.92			149.07	180.45	211.82
Oct-13	176.01			149.07	180.45	211.82
Nov-13	154.47			149.07	180.45	211.82
Dec-13	147.60			149.07	180.45	211.82
Jan-14	180.66			149.07	180.45	211.82
Feb-14	161.65			149.07	180.45	211.82
Mar-14	169.75			149.07	180.45	211.82
Age 0-20	Undocumented Unique Users=18,363	Apr-13	58.93	53.46	62.48	71.50
		May-13	60.96	53.46	62.48	71.50
		Jun-13	54.71	53.46	62.48	71.50
		Jul-13	62.53	53.46	62.48	71.50
		Aug-13	64.84	53.46	62.48	71.50
		Sep-13	62.10	53.46	62.48	71.50
		Oct-13	66.17	53.46	62.48	71.50
		Nov-13	58.42	53.46	62.48	71.50
		Dec-13	61.62	53.46	62.48	71.50
		Jan-14	66.26	53.46	62.48	71.50
		Feb-14	57.30	53.46	62.48	71.50

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Undocumented	Mar-14	62.90	53.46	62.48	71.50
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=62,890	Jan-14	80.05			
		Feb-14	71.02			
		Mar-14	73.26			
Age 21+	Other Unique Users=24,667	Apr-13	266.41	239.06	291.91	344.76
		May-13	263.78	239.06	291.91	344.76
		Jun-13	248.11	239.06	291.91	344.76
		Jul-13	268.05	239.06	291.91	344.76
		Aug-13	265.88	239.06	291.91	344.76
		Sep-13	246.46	239.06	291.91	344.76
		Oct-13	268.45	239.06	291.91	344.76
		Nov-13	229.08	239.06	291.91	344.76
		Dec-13	223.47	239.06	291.91	344.76
		Jan-14	163.89	239.06	291.91	344.76
		Feb-14	141.68	239.06	291.91	344.76
		Mar-14	150.53	239.06	291.91	344.76
Age 21+	Parent/Caretaker Relative & Child Unique Users=32,990	Apr-13	146.25	132.80	158.67	184.53
		May-13	148.12	132.80	158.67	184.53
		Jun-13	133.87	132.80	158.67	184.53
		Jul-13	145.89	132.80	158.67	184.53
		Aug-13	138.60	132.80	158.67	184.53
		Sep-13	125.84	132.80	158.67	184.53
		Oct-13	136.24	132.80	158.67	184.53
		Nov-13	108.41	132.80	158.67	184.53
		Dec-13	107.26	132.80	158.67	184.53
		Jan-14	107.98	132.80	158.67	184.53
		Feb-14	88.63	132.80	158.67	184.53
Mar-14	92.79	132.80	158.67	184.53		
Age 21+	SPD Unique Users=24,088	Apr-13	279.50	219.46	264.64	309.82
		May-13	280.58	219.46	264.64	309.82
		Jun-13	256.05	219.46	264.64	309.82
		Jul-13	271.66	219.46	264.64	309.82
		Aug-13	268.53	219.46	264.64	309.82
		Sep-13	251.10	219.46	264.64	309.82
		Oct-13	267.99	219.46	264.64	309.82
		Nov-13	229.89	219.46	264.64	309.82
		Dec-13	233.75	219.46	264.64	309.82
		Jan-14	281.71	219.46	264.64	309.82

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	SPD	Feb-14	237.04	219.46	264.64	309.82
		Mar-14	253.03	219.46	264.64	309.82
Age 21+	Undocumented Unique Users=54,506	Apr-13	50.07	44.75	53.31	61.88
		May-13	50.66	44.75	53.31	61.88
		Jun-13	47.81	44.75	53.31	61.88
		Jul-13	51.70	44.75	53.31	61.88
		Aug-13	49.97	44.75	53.31	61.88
		Sep-13	47.17	44.75	53.31	61.88
		Oct-13	49.79	44.75	53.31	61.88
		Nov-13	44.37	44.75	53.31	61.88
		Dec-13	45.29	44.75	53.31	61.88
		Jan-14	56.45	44.75	53.31	61.88
		Feb-14	45.94	44.75	53.31	61.88
		Mar-14	47.88	44.75	53.31	61.88

Source: Created by DHCS Research and Analytic Studies Division

Nursing Facility Services

Table SU-10: Nursing Facility Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=608	Jan-14	8.91			
		Feb-14	8.32			
		Mar-14	10.89			
Age 21+	Other Unique Users=4,788	Apr-13	1,993.59	1,970.36	2,175.32	2,380.28
		May-13	2,012.77	1,970.36	2,175.32	2,380.28
		Jun-13	1,889.18	1,970.36	2,175.32	2,380.28
		Jul-13	1,977.64	1,970.36	2,175.32	2,380.28
		Aug-13	1,930.36	1,970.36	2,175.32	2,380.28
		Sep-13	1,832.72	1,970.36	2,175.32	2,380.28
		Oct-13	1,935.81	1,970.36	2,175.32	2,380.28
		Nov-13	1,863.87	1,970.36	2,175.32	2,380.28
		Dec-13	1,789.42	1,970.36	2,175.32	2,380.28
		Jan-14	994.11	1,970.36	2,175.32	2,380.28
		Feb-14	922.52	1,970.36	2,175.32	2,380.28
		Mar-14	1,019.67	1,970.36	2,175.32	2,380.28
Age 21+	SPD Unique Users=7,539	Apr-13	1,696.18	883.74	1,067.21	1,250.69
		May-13	1,791.57	883.74	1,067.21	1,250.69
		Jun-13	1,774.04	883.74	1,067.21	1,250.69
		Jul-13	1,779.46	883.74	1,067.21	1,250.69
		Aug-13	1,808.06	883.74	1,067.21	1,250.69
		Sep-13	1,994.98	883.74	1,067.21	1,250.69
		Oct-13	2,023.09	883.74	1,067.21	1,250.69
		Nov-13	2,019.13	883.74	1,067.21	1,250.69
		Dec-13	2,129.24	883.74	1,067.21	1,250.69
		Jan-14	2,328.90	883.74	1,067.21	1,250.69
		Feb-14	2,165.23	883.74	1,067.21	1,250.69
		Mar-14	2,380.07	883.74	1,067.21	1,250.69

Source: Created by DHCS Research and Analytic Studies Division

Pharmacy Services

Table SU-11: Pharmacy Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	ACA Expansion Adult Ages 19 to 64 Unique Users=1,182	Jan-14	21.02			
		Feb-14	40.18			
		Mar-14	54.13			
Age 0–20	Adoption/Foster Care Unique Users=34,800	Apr-13	551.29	479.38	544.78	610.19
		May-13	549.07	479.38	544.78	610.19
		Jun-13	477.27	479.38	544.78	610.19
		Jul-13	507.50	479.38	544.78	610.19
		Aug-13	514.83	479.38	544.78	610.19
		Sep-13	517.76	479.38	544.78	610.19
		Oct-13	549.50	479.38	544.78	610.19
		Nov-13	510.12	479.38	544.78	610.19
		Dec-13	530.87	479.38	544.78	610.19
		Jan-14	587.20	479.38	544.78	610.19
		Feb-14	530.57	479.38	544.78	610.19
		Mar-14	557.14	479.38	544.78	610.19
Age 0–20	CHIP Unique Users=12,267	Apr-13	101.62	87.20	117.53	147.87
		May-13	105.03	87.20	117.53	147.87
		Jun-13	84.75	87.20	117.53	147.87
		Jul-13	83.59	87.20	117.53	147.87
		Aug-13	98.21	87.20	117.53	147.87
		Sep-13	104.21	87.20	117.53	147.87
		Oct-13	114.32	87.20	117.53	147.87
		Nov-13	86.12	87.20	117.53	147.87
		Dec-13	71.74	87.20	117.53	147.87
		Jan-14	63.55	87.20	117.53	147.87
		Feb-14	55.85	87.20	117.53	147.87
		Mar-14	61.18	87.20	117.53	147.87
Age 0–20	Other Unique Users=42,379	Apr-13	300.45	248.00	309.09	370.18
		May-13	277.75	248.00	309.09	370.18
		Jun-13	249.01	248.00	309.09	370.18
		Jul-13	256.00	248.00	309.09	370.18
		Aug-13	240.70	248.00	309.09	370.18
		Sep-13	236.34	248.00	309.09	370.18
		Oct-13	270.48	248.00	309.09	370.18
		Nov-13	253.02	248.00	309.09	370.18

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Other	Dec-13	272.98	248.00	309.09	370.18
		Jan-14	274.71	248.00	309.09	370.18
		Feb-14	228.70	248.00	309.09	370.18
		Mar-14	231.04	248.00	309.09	370.18
Age 0-20	Parent/Caretaker Relative & Child Unique Users=68,820	Apr-13	228.79	186.32	230.48	274.64
		May-13	215.33	186.32	230.48	274.64
		Jun-13	174.49	186.32	230.48	274.64
		Jul-13	169.17	186.32	230.48	274.64
		Aug-13	181.34	186.32	230.48	274.64
		Sep-13	195.14	186.32	230.48	274.64
		Oct-13	209.96	186.32	230.48	274.64
		Nov-13	151.17	186.32	230.48	274.64
		Dec-13	169.13	186.32	230.48	274.64
		Jan-14	166.98	186.32	230.48	274.64
		Feb-14	149.84	186.32	230.48	274.64
		Mar-14	144.15	186.32	230.48	274.64
		Age 0-20	SPD Unique Users=16,887	Apr-13	1,306.28	1,157.07
May-13	1,319.90			1,157.07	1,292.67	1,428.27
Jun-13	1,207.19			1,157.07	1,292.67	1,428.27
Jul-13	1,269.80			1,157.07	1,292.67	1,428.27
Aug-13	1,298.39			1,157.07	1,292.67	1,428.27
Sep-13	1,256.96			1,157.07	1,292.67	1,428.27
Oct-13	1,328.49			1,157.07	1,292.67	1,428.27
Nov-13	1,269.66			1,157.07	1,292.67	1,428.27
Dec-13	1,325.75			1,157.07	1,292.67	1,428.27
Jan-14	1,402.08			1,157.07	1,292.67	1,428.27
Feb-14	1,284.42			1,157.07	1,292.67	1,428.27
Mar-14	1,357.06			1,157.07	1,292.67	1,428.27
Age 0-20	Undocumented Unique Users=11,003	Apr-13	70.27	60.35	71.26	82.16
		May-13	70.10	60.35	71.26	82.16
		Jun-13	62.45	60.35	71.26	82.16
		Jul-13	67.11	60.35	71.26	82.16
		Aug-13	69.45	60.35	71.26	82.16
		Sep-13	67.12	60.35	71.26	82.16
		Oct-13	71.65	60.35	71.26	82.16
		Nov-13	63.76	60.35	71.26	82.16
		Dec-13	65.69	60.35	71.26	82.16
		Jan-14	76.61	60.35	71.26	82.16
		Feb-14	67.25	60.35	71.26	82.16

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Undocumented	Mar-14	72.29	60.35	71.26	82.16
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=80,047	Jan-14	193.27			
		Feb-14	208.44			
		Mar-14	230.28			
Age 21+	Other Unique Users=52,182	Apr-13	1,235.05	1,158.84	1,269.05	1,379.26
		May-13	1,238.28	1,158.84	1,269.05	1,379.26
		Jun-13	1,152.61	1,158.84	1,269.05	1,379.26
		Jul-13	1,231.58	1,158.84	1,269.05	1,379.26
		Aug-13	1,198.45	1,158.84	1,269.05	1,379.26
		Sep-13	1,160.08	1,158.84	1,269.05	1,379.26
		Oct-13	1,216.34	1,158.84	1,269.05	1,379.26
		Nov-13	1,125.86	1,158.84	1,269.05	1,379.26
		Dec-13	1,091.11	1,158.84	1,269.05	1,379.26
		Jan-14	897.14	1,158.84	1,269.05	1,379.26
		Feb-14	809.73	1,158.84	1,269.05	1,379.26
		Mar-14	863.91	1,158.84	1,269.05	1,379.26
Age 21+	Parent/Caretaker Relative & Child Unique Users=47,196	Apr-13	631.92	574.72	658.14	741.56
		May-13	636.11	574.72	658.14	741.56
		Jun-13	591.73	574.72	658.14	741.56
		Jul-13	605.11	574.72	658.14	741.56
		Aug-13	600.79	574.72	658.14	741.56
		Sep-13	538.61	574.72	658.14	741.56
		Oct-13	560.90	574.72	658.14	741.56
		Nov-13	367.28	574.72	658.14	741.56
		Dec-13	374.36	574.72	658.14	741.56
		Jan-14	322.45	574.72	658.14	741.56
		Feb-14	278.70	574.72	658.14	741.56
		Mar-14	293.56	574.72	658.14	741.56
Age 21+	SPD Unique Users=75,550	Apr-13	2,765.54	2,559.55	2,847.25	3,134.94
		May-13	2,844.57	2,559.55	2,847.25	3,134.94
		Jun-13	2,690.71	2,559.55	2,847.25	3,134.94
		Jul-13	2,743.59	2,559.55	2,847.25	3,134.94
		Aug-13	2,749.27	2,559.55	2,847.25	3,134.94
		Sep-13	2,535.77	2,559.55	2,847.25	3,134.94
		Oct-13	2,572.09	2,559.55	2,847.25	3,134.94
		Nov-13	2,431.22	2,559.55	2,847.25	3,134.94
		Dec-13	2,575.46	2,559.55	2,847.25	3,134.94
		Jan-14	2,794.36	2,559.55	2,847.25	3,134.94

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	SPD	Feb-14	2,563.79	2,559.55	2,847.25	3,134.94
		Mar-14	2,716.80	2,559.55	2,847.25	3,134.94
Age 21+	Undocumented Unique Users= 96,749	Apr-13	194.47	164.13	190.21	216.30
		May-13	193.05	164.13	190.21	216.30
		Jun-13	180.25	164.13	190.21	216.30
		Jul-13	193.14	164.13	190.21	216.30
		Aug-13	193.84	164.13	190.21	216.30
		Sep-13	189.46	164.13	190.21	216.30
		Oct-13	196.84	164.13	190.21	216.30
		Nov-13	183.24	164.13	190.21	216.30
		Dec-13	185.45	164.13	190.21	216.30
		Jan-14	214.32	164.13	190.21	216.30
		Feb-14	184.17	164.13	190.21	216.30
		Mar-14	194.83	164.13	190.21	216.30

Source: Created by DHCS Research and Analytic Studies Division

Other Services

Table SU-12: Other Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	ACA Expansion Adult Ages 19 to 64 Unique Users=602	Jan-14	6.87			
		Feb-14	11.76			
		Mar-14	15.24			
Age 0–20	Adoption/Foster Care Unique Users=15,936	Apr-13	229.76	103.12	229.62	356.12
		May-13	216.72	103.12	229.62	356.12
		Jun-13	96.10	103.12	229.62	356.12
		Jul-13	100.31	103.12	229.62	356.12
		Aug-13	128.97	103.12	229.62	356.12
		Sep-13	180.33	103.12	229.62	356.12
		Oct-13	229.40	103.12	229.62	356.12
		Nov-13	163.62	103.12	229.62	356.12
		Dec-13	147.71	103.12	229.62	356.12
		Jan-14	207.94	103.12	229.62	356.12
		Feb-14	194.78	103.12	229.62	356.12
		Mar-14	196.39	103.12	229.62	356.12
Age 0–20	CHIP Unique Users=8,397	Apr-13	84.20	26.32	156.59	286.87
		May-13	78.17	26.32	156.59	286.87
		Jun-13	38.44	26.32	156.59	286.87
		Jul-13	38.63	26.32	156.59	286.87
		Aug-13	55.24	26.32	156.59	286.87
		Sep-13	70.06	26.32	156.59	286.87
		Oct-13	88.27	26.32	156.59	286.87
		Nov-13	61.61	26.32	156.59	286.87
		Dec-13	47.66	26.32	156.59	286.87
		Jan-14	61.81	26.32	156.59	286.87
		Feb-14	56.27	26.32	156.59	286.87
		Mar-14	53.02	26.32	156.59	286.87
Age 0–20	Other Unique Users=22,382	Apr-13	124.98	112.43	146.72	181.00
		May-13	118.96	112.43	146.72	181.00
		Jun-13	105.04	112.43	146.72	181.00
		Jul-13	126.69	112.43	146.72	181.00
		Aug-13	130.27	112.43	146.72	181.00
		Sep-13	111.65	112.43	146.72	181.00
		Oct-13	122.77	112.43	146.72	181.00
		Nov-13	102.52	112.43	146.72	181.00

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Other	Dec-13	93.58	112.43	146.72	181.00
		Jan-14	97.44	112.43	146.72	181.00
		Feb-14	82.71	112.43	146.72	181.00
		Mar-14	82.21	112.43	146.72	181.00
Age 0-20	Parent/Caretaker Relative & Child Unique Users=23,949	Apr-13	90.34	35.59	179.78	323.96
		May-13	81.79	35.59	179.78	323.96
		Jun-13	47.92	35.59	179.78	323.96
		Jul-13	50.05	35.59	179.78	323.96
		Aug-13	59.43	35.59	179.78	323.96
		Sep-13	68.01	35.59	179.78	323.96
		Oct-13	84.53	35.59	179.78	323.96
		Nov-13	49.94	35.59	179.78	323.96
		Dec-13	45.98	35.59	179.78	323.96
		Jan-14	52.77	35.59	179.78	323.96
		Feb-14	56.40	35.59	179.78	323.96
		Mar-14	49.70	35.59	179.78	323.96
		Age 0-20	SPD Unique Users=12,235	Apr-13	1,393.42	413.84
May-13	1,364.16			413.84	1,627.02	2,840.20
Jun-13	435.79			413.84	1,627.02	2,840.20
Jul-13	458.98			413.84	1,627.02	2,840.20
Aug-13	571.00			413.84	1,627.02	2,840.20
Sep-13	1,088.57			413.84	1,627.02	2,840.20
Oct-13	1,457.14			413.84	1,627.02	2,840.20
Nov-13	930.39			413.84	1,627.02	2,840.20
Dec-13	841.10			413.84	1,627.02	2,840.20
Jan-14	1,248.08			413.84	1,627.02	2,840.20
Feb-14	1,266.40			413.84	1,627.02	2,840.20
Mar-14	1,262.88			413.84	1,627.02	2,840.20
Age 0-20	Undocumented Unique Users=3,849	Apr-13	15.75	14.01	18.89	23.76
		May-13	14.96	14.01	18.89	23.76
		Jun-13	13.56	14.01	18.89	23.76
		Jul-13	16.56	14.01	18.89	23.76
		Aug-13	17.63	14.01	18.89	23.76
		Sep-13	14.70	14.01	18.89	23.76
		Oct-13	15.87	14.01	18.89	23.76
		Nov-13	13.42	14.01	18.89	23.76
		Dec-13	13.74	14.01	18.89	23.76
		Jan-14	16.59	14.01	18.89	23.76
		Feb-14	13.84	14.01	18.89	23.76

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Undocumented	Mar-14	15.23	14.01	18.89	23.76
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=26,730	Jan-14	22.24			
		Feb-14	24.10			
		Mar-14	29.98			
Age 21+	Other Unique Users=35,467	Apr-13	313.03	269.05	333.45	397.84
		May-13	308.85	269.05	333.45	397.84
		Jun-13	273.01	269.05	333.45	397.84
		Jul-13	330.31	269.05	333.45	397.84
		Aug-13	314.37	269.05	333.45	397.84
		Sep-13	292.00	269.05	333.45	397.84
		Oct-13	322.59	269.05	333.45	397.84
		Nov-13	281.52	269.05	333.45	397.84
		Dec-13	266.75	269.05	333.45	397.84
		Jan-14	209.14	269.05	333.45	397.84
		Feb-14	179.36	269.05	333.45	397.84
		Mar-14	183.13	269.05	333.45	397.84
Age 21+	Parent/Caretaker Relative & Child Unique Users=24,338	Apr-13	107.64	101.96	132.74	163.52
		May-13	104.57	101.96	132.74	163.52
		Jun-13	92.64	101.96	132.74	163.52
		Jul-13	102.76	101.96	132.74	163.52
		Aug-13	103.88	101.96	132.74	163.52
		Sep-13	88.11	101.96	132.74	163.52
		Oct-13	100.37	101.96	132.74	163.52
		Nov-13	75.19	101.96	132.74	163.52
		Dec-13	73.18	101.96	132.74	163.52
		Jan-14	70.66	101.96	132.74	163.52
		Feb-14	62.31	101.96	132.74	163.52
Mar-14	64.45	101.96	132.74	163.52		
Age 21+	SPD Unique Users=22,231	Apr-13	273.15	236.31	304.40	372.48
		May-13	268.58	236.31	304.40	372.48
		Jun-13	246.85	236.31	304.40	372.48
		Jul-13	260.49	236.31	304.40	372.48
		Aug-13	257.47	236.31	304.40	372.48
		Sep-13	246.67	236.31	304.40	372.48
		Oct-13	269.44	236.31	304.40	372.48
		Nov-13	237.43	236.31	304.40	372.48
		Dec-13	238.39	236.31	304.40	372.48
Jan-14	294.57	236.31	304.40	372.48		

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	SPD	Feb-14	274.36	236.31	304.40	372.48
		Mar-14	283.54	236.31	304.40	372.48
Age 21+	Undocumented Unique Users=35,334	Apr-13	42.14	37.99	48.23	58.48
		May-13	41.99	37.99	48.23	58.48
		Jun-13	37.15	37.99	48.23	58.48
		Jul-13	43.20	37.99	48.23	58.48
		Aug-13	42.77	37.99	48.23	58.48
		Sep-13	39.71	37.99	48.23	58.48
		Oct-13	43.79	37.99	48.23	58.48
		Nov-13	37.12	37.99	48.23	58.48
		Dec-13	39.37	37.99	48.23	58.48
		Jan-14	43.84	37.99	48.23	58.48
		Feb-14	36.21	37.99	48.23	58.48
		Mar-14	37.43	37.99	48.23	58.48

Source: Created by DHCS Research and Analytic Studies Division

Radiology Services

Table SU-13: Radiology Services Utilization Rates from April 2013 to March 2014, by Age Group and Aid Category, Baseline Control Limits, and Baseline Mean

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	ACA Expansion Adult Ages 19 to 64 Unique Users=1,276	Jan-14	32.70			
		Feb-14	37.24			
		Mar-14	38.35			
Age 0–20	Adoption/Foster Care Unique Users=6,092	Apr-13	45.64	19.32	27.78	36.23
		May-13	45.28	19.32	27.78	36.23
		Jun-13	38.13	19.32	27.78	36.23
		Jul-13	39.16	19.32	27.78	36.23
		Aug-13	42.97	19.32	27.78	36.23
		Sep-13	44.62	19.32	27.78	36.23
		Oct-13	48.54	19.32	27.78	36.23
		Nov-13	43.31	19.32	27.78	36.23
		Dec-13	39.91	19.32	27.78	36.23
		Jan-14	48.65	19.32	27.78	36.23
		Feb-14	45.65	19.32	27.78	36.23
		Mar-14	48.35	19.32	27.78	36.23
Age 0–20	CHIP Unique Users=3,810	Apr-13	26.19	10.55	15.57	20.58
		May-13	26.26	10.55	15.57	20.58
		Jun-13	22.52	10.55	15.57	20.58
		Jul-13	21.55	10.55	15.57	20.58
		Aug-13	26.15	10.55	15.57	20.58
		Sep-13	28.08	10.55	15.57	20.58
		Oct-13	32.19	10.55	15.57	20.58
		Nov-13	24.60	10.55	15.57	20.58
		Dec-13	17.79	10.55	15.57	20.58
		Jan-14	17.18	10.55	15.57	20.58
		Feb-14	15.22	10.55	15.57	20.58
		Mar-14	19.29	10.55	15.57	20.58
Age 0–20	Other Unique Users=10,947	Apr-13	74.01	30.60	45.51	60.41
		May-13	74.11	30.60	45.51	60.41
		Jun-13	66.02	30.60	45.51	60.41
		Jul-13	71.79	30.60	45.51	60.41
		Aug-13	66.15	30.60	45.51	60.41
		Sep-13	64.23	30.60	45.51	60.41
		Oct-13	72.43	30.60	45.51	60.41
		Nov-13	61.35	30.60	45.51	60.41

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0-20	Other	Dec-13	61.49	30.60	45.51	60.41
		Jan-14	62.97	30.60	45.51	60.41
		Feb-14	50.37	30.60	45.51	60.41
		Mar-14	51.46	30.60	45.51	60.41
Age 0-20	Parent/Caretaker Relative & Child Unique Users=21,521	Apr-13	52.22	21.49	31.01	40.54
		May-13	51.00	21.49	31.01	40.54
		Jun-13	41.90	21.49	31.01	40.54
		Jul-13	43.51	21.49	31.01	40.54
		Aug-13	44.73	21.49	31.01	40.54
		Sep-13	47.18	21.49	31.01	40.54
		Oct-13	51.27	21.49	31.01	40.54
		Nov-13	44.67	21.49	31.01	40.54
		Dec-13	44.66	21.49	31.01	40.54
		Jan-14	48.17	21.49	31.01	40.54
		Feb-14	43.76	21.49	31.01	40.54
		Mar-14	45.97	21.49	31.01	40.54
		Age 0-20	SPD Unique Users=3,457	Apr-13	105.50	41.02
May-13	94.35			41.02	59.66	78.30
Jun-13	75.58			41.02	59.66	78.30
Jul-13	92.29			41.02	59.66	78.30
Aug-13	95.16			41.02	59.66	78.30
Sep-13	89.37			41.02	59.66	78.30
Oct-13	102.39			41.02	59.66	78.30
Nov-13	87.46			41.02	59.66	78.30
Dec-13	80.11			41.02	59.66	78.30
Jan-14	113.79			41.02	59.66	78.30
Feb-14	100.11			41.02	59.66	78.30
Mar-14	110.04			41.02	59.66	78.30
Age 0-20	Undocumented Unique Users=6,271	Apr-13	34.15	13.31	19.70	26.08
		May-13	34.46	13.31	19.70	26.08
		Jun-13	30.34	13.31	19.70	26.08
		Jul-13	34.86	13.31	19.70	26.08
		Aug-13	35.75	13.31	19.70	26.08
		Sep-13	34.66	13.31	19.70	26.08
		Oct-13	38.01	13.31	19.70	26.08
		Nov-13	31.40	13.31	19.70	26.08
		Dec-13	31.68	13.31	19.70	26.08
		Jan-14	36.24	13.31	19.70	26.08
		Feb-14	31.12	13.31	19.70	26.08

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 0–20	Undocumented	Mar-14	33.54	13.31	19.70	26.08
Age 21+	ACA Expansion Adult Ages 19 to 64 Unique Users=45,619	Jan-14	80.27			
		Feb-14	70.02			
		Mar-14	73.85			
Age 21+	Other Unique Users=27,522	Apr-13	321.92	111.30	173.31	235.32
		May-13	325.98	111.30	173.31	235.32
		Jun-13	298.64	111.30	173.31	235.32
		Jul-13	327.91	111.30	173.31	235.32
		Aug-13	322.25	111.30	173.31	235.32
		Sep-13	292.82	111.30	173.31	235.32
		Oct-13	330.86	111.30	173.31	235.32
		Nov-13	282.09	111.30	173.31	235.32
		Dec-13	276.53	111.30	173.31	235.32
		Jan-14	207.56	111.30	173.31	235.32
		Feb-14	174.47	111.30	173.31	235.32
		Mar-14	179.56	111.30	173.31	235.32
Age 21+	Parent/Caretaker Relative & Child Unique Users=28,150	Apr-13	145.75	60.01	85.04	110.07
		May-13	144.42	60.01	85.04	110.07
		Jun-13	131.43	60.01	85.04	110.07
		Jul-13	145.21	60.01	85.04	110.07
		Aug-13	139.76	60.01	85.04	110.07
		Sep-13	128.88	60.01	85.04	110.07
		Oct-13	141.74	60.01	85.04	110.07
		Nov-13	117.68	60.01	85.04	110.07
		Dec-13	116.19	60.01	85.04	110.07
		Jan-14	116.28	60.01	85.04	110.07
		Feb-14	96.80	60.01	85.04	110.07
		Mar-14	99.53	60.01	85.04	110.07
Age 21+	SPD Unique Users=20,293	Apr-13	279.80	100.34	142.70	185.06
		May-13	282.32	100.34	142.70	185.06
		Jun-13	259.41	100.34	142.70	185.06
		Jul-13	277.71	100.34	142.70	185.06
		Aug-13	276.79	100.34	142.70	185.06
		Sep-13	258.25	100.34	142.70	185.06
		Oct-13	277.57	100.34	142.70	185.06
		Nov-13	257.33	100.34	142.70	185.06
		Dec-13	260.69	100.34	142.70	185.06
		Jan-14	313.20	100.34	142.70	185.06

Age Group	Aid Category	Month	Service Utilization Rate	Baseline Lower Control Limit	Baseline Mean	Baseline Upper Control Limit
Age 21+	SPD	Feb-14	259.18	100.34	142.70	185.06
		Mar-14	263.76	100.34	142.70	185.06
Age 21+	Undocumented Unique Users=47,703	Apr-13	59.82	25.19	35.04	44.90
		May-13	60.96	25.19	35.04	44.90
		Jun-13	57.46	25.19	35.04	44.90
		Jul-13	63.09	25.19	35.04	44.90
		Aug-13	62.40	25.19	35.04	44.90
		Sep-13	58.82	25.19	35.04	44.90
		Oct-13	62.59	25.19	35.04	44.90
		Nov-13	55.26	25.19	35.04	44.90
		Dec-13	55.90	25.19	35.04	44.90
		Jan-14	68.40	25.19	35.04	44.90
		Feb-14	55.71	25.19	35.04	44.90
		Mar-14	57.47	25.19	35.04	44.90

Source: Created by DHCS Research and Analytic Studies Division

Appendix C – Medi-Cal Aid Codes

Medi-Cal beneficiaries are assigned aid codes based on how they become eligible for Medi-Cal services. Factors such as age, income, and disability status are some of the criteria used to assess an individual's eligibility for program services. More than 170 different aid codes enable DHCS to gain an understanding of how beneficiaries might use Medi-Cal program services.

The aid code categories used for this analysis were intended to group beneficiaries of similar age, disability status, and benefit scope into groups that might place similar demands on program services. However, some aid categories represent a heterogeneous population that might use Medi-Cal services in quite different ways.

For example, beneficiaries in the Parent/Caretaker Relative & Child, formerly Families, aid category are mostly comprised of no- or low-income young adults with children who have routine health care needs. However, this aid category also includes families who earn incomes above the Medi-Cal limit, but have a "Medically Needy" individual with one or more serious conditions requiring medical treatment exceeding the family's income. This subpopulation would place stronger demands on program services than others in the category. Likewise, the Other aid category is comprised of a diverse population, such as individuals in the Breast and Cervical Cancer Treatment Program who have access to a restricted scope of benefits; long-term care recipients; and the medically indigent. See table below.

A more detailed breakdown of aid codes within each category can be found at the Medi-Cal website:

http://files.medi-cal.ca.gov/pubsdoco/publications/masters-mtp/part1/aidcodes_z01c00.doc

Table SU-14: Medi-Cal Eligibility Aid Codes Comprising Aid Categories Utilized in This Analysis

Aid Category	Aid Codes
SPD	10, 14, 16, 17, 1E, 1H, 1X, 1Y, 20, 24, 26, 27, 2E, 2H, 36, 60, 64, 66, 67, 68, 6A, 6C, 6E, 6G, 6H, 6J, 6N, 6P, 6S, 6V, 6W, 6X, 6Y, 8G
Parent/Caretaker Relative & Child	30, 32, 33, 34, 35, 37, 38, 39, 3A, 3C, 3D, 3E, 3F, 3G, 3H, 3L, 3M, 3N, 3P, 3R, 3U, 3W, 47, 54, 59, 5X, 6R, 72, 7A, 7J, 7S, 7T, 7W, 8U, 8V, H7, H8, K1, M3, M7, P1, P2, P4, P5, P7, P9
Adoption/Foster Care	03, 04, 06, 07, 40, 42, 43, 45, 46, 49, 4A, 4E, 4F, 4G, 4H, 4L, 4M, 4N, 4S, 4T, 4W, 5K
Other	01, 02, 08, 0A, 0L, 0M, 0N, 0P, 0R, 0T, 0U, 0V, 0W, 0X, 0Y, 13, 23, 2A, 2V, 44, 4K, 4V, 53, 5V, 63, 65, 71, 73, 76, 77, 7F, 7G, 7H, 7M, 7N, 7P, 7R, 7V, 81, 82, 83, 86, 87, 8E, 8W, F1, F2, F3, F4, F5, F6, F7, F8, G0, G1, G2, G3, G4, G5, G6, G7, G8, G9, J1, J2, J3, J4, J5, J6, J7, J8, M9, N0, N5, N6, N7, N8, N9, R1
Undocumented	1U, 3T, 3V, 48, 55, 58, 5F, 5H, 5J, 5M, 5N, 5R, 5T, 5W, 5Y, 69, 6U, 70, 74, 7C, 7K, 8N, 8T, C1, C2, C3, C5, C6, C7, C8, C9, D1, D2, D3, D4, D5, D6, D7, D8, D9, L3, L5, M0, M2, M4, M6, M8, P0, P6, P8, T0, T6, T7, T8, T9
ACA Expansion Adult Age 19-64	7U, L1, M1, P3
Children's Health Insurance Program (CHIP)	5C, 5D, 5E, 7X, 8P, 8R, 8X, E2, E6, E7, H0, H1, H2, H3, H4, H5, H6, H9, L2, L4, M5, T1, T2, T3, T4, T5

Table SU-15: New Medi-Cal Eligibility Aid Categories, Comparison of Pre-ACA to Post-ACA Reports

6 Aid Categories, Pre-ACA Quarterly Reports	7 Aid Categories, Post-ACA Quarterly Reports	Description of Changes
Blind/Disabled Aged	SPD (Seniors and Persons with Disabilities)	The Blind/Disabled and Aged categories were combined into SPD.
Families	Parent/Caretaker Relative & Child	The Families category was renamed Parent/Caretaker Relative & Child.
Foster Care	Adoption/Foster Care	The Foster Care category was renamed Adoption/Foster Care.
Other	Other	The Other category remained the same.
Undocumented	Undocumented	The Undocumented category remained the same.
N/A	ACA Expansion Adult Age 19-64	The ACA Expansion Adult Age 19-64 category is new and was created to reflect the optional expansion of coverage under the ACA for childless adults with incomes at or below 138% FPL.
N/A	CHIP (Children's Health Insurance Program)	The CHIP category is new and was created to reflect the transition of Healthy Families beneficiaries that were categorized as Other in previous quarterly reports.