

APPENDIX B. LIST OF MEASURES AND SUMMARY OF RESULTS FOR FIGURES

Measures Included in Figure 9: Overall Quality of Care by State, 2015-2016

Measure	Data Source	Data Year
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	HCUP_STATE	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	HCUP_STATE	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	HCUP_STATE	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	HCUP_STATE	2015
Deaths per 1,000 hospital admissions with expected low mortality	HCUP_STATE	2015
Birth trauma - injury to neonate per 1,000 selected live births	HCUP_STATE	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	HCUP_STATE	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	HCUP_STATE	2015
Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	HHCAHPS	2016
Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	HHCAHPS	2016
Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	HHCAHPS	2016
Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	HHCAHPS	2016
Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	HCAHPS	2016
Adults who reported being told what care and services they would get when they first started getting home health care	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers talked about pain	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	HHCAHPS	2016
Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	HHCAHPS	2016
Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	HHCAHPS	2016
Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	HHCAHPS	2016
Hospice patients whose hospice care team always communicated well with their family caregivers about taking care of them	HOSPICE_CAHPs	2016
Hospice patients and family caregivers who always got help as soon as they needed from the hospice care team	HOSPICE_CAHPs	2016
Hospice patients whose hospice care team always treated them with dignity and respect and really cared about them	HOSPICE_CAHPs	2016
Hospice patients who always received enough help for pain, sadness, breathing, or constipation from the hospice care team	HOSPICE_CAHPs	2016
Family members who definitely received training about taking care of their family member from the hospice care team	HOSPICE_CAHPs	2016

Measure	Data Source	Data Year
Family caregivers who received the right amount of emotional and spiritual supports from the hospice care team	HOSPICE_CAHPS	2016
Family caregivers who rated the hospice care for their family member best (9-10) on a scale of 0-10 (where 0 is the worst and 10 is the best)	HOSPICE_CAHPS	2016
Family caregivers who would definitely recommend this hospice to their friends and family	HOSPICE_CAHPS	2016
Adult hospital patients who did not receive good communication about discharge information	HCAHPS	2016
Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patient's discharge healthcare would be	HCAHPS	2016
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	HCUP_STATE	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	HCUP_STATE	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	HCUP_STATE	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	HCUP_STATE	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	HCUP_STATE	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	HCUP_STATE	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	HCUP_STATE	2015
Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	HHCAHPS	2016
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	HCUP_STATE	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	HCUP_STATE	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	HCUP_STATE	2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	HCUP_STATE	2015
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	NCDB	2014
Breast cancer deaths per 100,000 female population per year	NVSS_M	2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	NCDB	2014
Colorectal cancer deaths per 100,000 population per year	NVSS_M	2015
Lung cancer deaths per 100,000 population per year	NVSS_M	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	HCUP_STATE	2015
Hospital patients with heart attack given fibrinolytic medication within 30 minutes of arrival	QIO	2015
Hospital admissions for congestive heart failure per 100,000 population	HCUP_STATE	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	HCUP_STATE	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	HCUP_STATE	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	HCUP_STATE	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	HCUP_STATE	2015
Stroke patients who received venous thromboembolism (VTE) prophylaxis	QIO	2015
Acute stroke patients for whom IV thrombolytic therapy was initiated at hospital within 3 hours of time last known well	QIO	2015
Stroke patients prescribed statin medication at hospital discharge	QIO	2015
Stroke patients with educational material addressing activation of emergency medical system, followup after discharge, medications prescribed at discharge, risk factors for stroke, warning signs and symptoms of stroke	QI	2015
Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	USRDS	2015
Adult hemodialysis patients with adequate dialysis - (Kt/V) 12 or higher	UMKECC	2016
Ratio of observed deaths to expected deaths among Medicare hemodialysis patients	UMKECC	2016
Dialysis patients who were registered on a waiting list for transplantation	USRDS	2015

Measure	Data Source	Data Year
Hemodialysis patients whose hemoglobin level is less than 10 g/dL	UMKECC	2015
Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	USRDS	2015
New HIV cases per 100,000 population age 13 and over	HIV_AIDSSS	2014
People age 13 and over living with HIV who know their serostatus	HIV_AIDSSS	2014
People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions	HIV_AIDSSS	2014
People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL	HIV_AIDSSS	2014
HIV infection deaths per 100,000 population	NVSS_M	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	NSDUH	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	NSDUH	2015
Suicide deaths among people age 12 and over per 100,000 population	NVSS_M	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	NSDUH	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	NSDUH	2015
People age 12 and over treated for substance abuse who completed treatment course	TEDSD	2014
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	HCUP_STATE	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	HCUP_NEDS	2015
Deaths per 1,000 adult hospital admissions with pneumonia	HCUP_STATE	2015
Women ages 50-74 who received a mammogram in the last 2 years	BRFSS	2014
Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	NPCR_USCS	2014
Women ages 21-65 who received a Pap test in the last 3 years	BRFSS	2014
Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	NPCR_USCS	2014
Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	NPCR_USCS	2014
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	HCUP_STATE	2015
Hospital patients who received influenza vaccination	QIO	2015
Hospital patients who received pneumococcal immunization	QIO	2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	NIS	2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	NIS	2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	NIS	2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	NIS	2015
Children ages 19-35 months who received 1 or more doses of varicella vaccine	NIS	2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	NIS_TEEN	2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	NIS_TEEN	2015
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	NIS_TEEN	2015
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	NIS_TEEN	2015
Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	NIS_TEEN	2015
Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	NIS_TEEN	2015
Adolescents ages 13-15 years who received 3 or more doses of human papillomavirus (HPV) vaccine	NIS_TEEN	2015
Adolescents ages 16-17 years who received 3 or more doses of human papillomavirus (HPV) vaccine	NIS_TEEN	2015

Measure	Data Source	Data Year
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	NIS_TEEN	2015
Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	NIS_TEEN	2015
Adults who had an appointment for routine healthcare in the last 6 months who sometimes or never got an appointment for routine care as soon as wanted, Medicaid	NCBD	2016
Adults who had an appointment for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as wanted, Medicare managed care	NCBD	2016
Adults who had an appointment for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as wanted, Medicare fee for service	NCBD	2016
Children who had an appointment for routine healthcare in the last 6 months who sometimes or never got an appointment for routine care as soon as wanted, Medicaid	NCBD	2016
Adults who needed care right away for an illness, injury, or condition in the last 6 months who sometimes or never got care as soon as wanted, Medicaid	NCBD	2016
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as wanted, Medicare managed care	NCBD	2016
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as wanted, Medicare fee for service	NCBD	2016
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist, Medicare managed care	NCBD	2016
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist, Medicare fee for service	NCBD	2016
Adults who needed to see a specialist in the last 6 months who sometimes or never found it easy to see a specialist, Medicaid	NCBD	2016
Children who needed to see a specialist in the last 6 months who sometimes or never found it easy to see a specialist, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 6 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment, Medicare fee for service	NCBD	2016
Children who had a doctor's office or clinic visit in the last 6 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 6 months whose health providers sometimes or never listened carefully to them, Medicaid	NCBD	2016
Children who had a doctor's office or clinic visit in the last 6 months whose health providers always listened carefully, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 6 months whose health providers sometimes or never explained things in a way they could understand, Medicaid	NCBD	2016

Measure	Data Source	Data Year
Children who had a doctor's office or clinic visit in the last 6 months whose health providers always explained things clearly to their parents, Medicaid	NCBD	2016
Children who had a doctor's office or clinic visit in the last 6 months whose health providers always explained things clearly to the child, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 6 months whose health providers sometimes or never showed respect for what they had to say, Medicaid	NCBD	2016
Children who had a doctor's office or clinic visit in the last 6 months whose health providers always showed respect for what their parents had to say	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 6 months whose health providers sometimes or never spent enough time with them, Medicaid	NCBD	2016
Children who had a doctor's office or clinic visit in the last 6 months whose health providers always spent enough time with them, Medicaid	NCBD	2016
Rating of healthcare 0-6 on a scale from 0 (worst grade) to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months, Medicare managed care	NCBD	2016
Rating of healthcare 0-6 on a scale from 0 (worst grade) to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months, Medicare fee for service	NCBD	2016
Rating of healthcare 0-6 on a scale from 0 (worst grade) to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 6 months who sometimes or never got advice to quit smoking from the provider, Medicaid	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months who sometimes or never got advice to quit smoking from the provider, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months who sometimes or never got advice to quit smoking from the provider, Medicare fee for service	NCBD	2016

Measures Included in Figure 10: Average Differences in Quality of Care for Blacks, Hispanics, and Asians Compared With Whites, by State, 2015-2016

Measure	Data Source	Data Year
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	HCUP_STATE	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	HCUP_STATE	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	HCUP_STATE	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	HCUP_STATE	2015
Deaths per 1,000 hospital admissions with expected low mortality	HCUP_STATE	2015
Birth trauma - injury to neonate per 1,000 selected live births	HCUP_STATE	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	HCUP_STATE	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	HCUP_STATE	2015
Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	HCAHPS	2016
Adult hospital patients who did not receive good communication about discharge information	HCAHPS	2016
Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patient's discharge healthcare would be	HCAHPS	2016
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	HCUP_STATE	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	HCUP_STATE	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	HCUP_STATE	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	HCUP_STATE	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	HCUP_STATE	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	HCUP_STATE	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	HCUP_STATE	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	HCUP_STATE	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	HCUP_STATE	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	HCUP_STATE	2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	HCUP_STATE	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	HCUP_STATE	2015
Hospital admissions for congestive heart failure per 100,000 population	HCUP_STATE	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	HCUP_STATE	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	HCUP_STATE	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	HCUP_STATE	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	HCUP_STATE	2015
Deaths per 1,000 adult hospital admissions with pneumonia	HCUP_STATE	2015
Women ages 50-74 who received a mammogram in the last 2 years	BRFSS	2014
Women ages 21-65 who received a Pap test in the last 3 years	BRFSS	2014
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	HCUP_STATE	2015
Adults who had an appointment for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as wanted, Medicare managed care	NCBD	2016
Adults who had an appointment for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as wanted, Medicare fee for service	NCBD	2016

Measure	Data Source	Data Year
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as wanted, Medicare managed care	NCBD	2016
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as wanted, Medicare fee for service	NCBD	2016
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist, Medicare managed care	NCBD	2016
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them, Medicare fee for service	NCBD	2016
Rating of healthcare 0-6 on a scale from 0 (worst grade) to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months, Medicare managed care	NCBD	2016
Rating of healthcare 0-6 on a scale from 0 (worst grade) to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months, Medicare fee for service	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months who sometimes or never got advice to quit smoking from the provider, Medicare managed care	NCBD	2016
Adults who had a doctor's office or clinic visit in the last 12 months who sometimes or never got advice to quit smoking from the provider, Medicare fee for service	NCBD	2016

Measures Included in Figure 11: Number and Percentage of Access Measures for Which Measure Trends Were Improving, Not Changing, or Worsening, 2000-2016

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	-4.37	0.006	0.000	MEPS	13 (2002-2015)
People in fair or poor health with a specific source of ongoing care	-4.07	0.009	0.006	NHIS	7 (2009-2016)
People with a specific source of ongoing care	-3.02	0.006	0.002	NHIS	7 (2009-2016)
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	-2.57	0.007	0.010	MEPS	7 (2008-2015)
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	-2.11	0.006	0.002	MEPS	13 (2002-2015)
People under age 65 with health insurance	-1.93	0.007	0.012	NHIS	16 (2000-2016)
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	-1.16	0.004	0.015	MEPS	13 (2002-2015)
People who were unable to get or delayed in getting needed medical care in the last 12 months	-1.14	0.003	0.003	MEPS	13 (2002-2015)
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	-1.06	0.002	0.001	MEPS	13 (2002-2015)
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	1.60	0.015	0.331	MEPS	7 (2008-2015)
Adults who reported getting the help or advice they needed the same day they contacted their home health providers	0.77	0.001	0.002	HHCAPHS	4 (2012-2016)
People with a usual primary care provider	0.37	0.002	0.049	MEPS	13 (2002-2015)
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	0.33	0.001	0.003	MEPS	13 (2002-2015)
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	0.15	0.005	0.763	MEPS	13 (2002-2015)
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	0.06	0.010	0.955	MEPS	7 (2008-2015)
People who were unable to get or delayed in getting needed dental care in the last 12 months	-0.19	0.004	0.664	MEPS	13 (2002-2015)
People under age 65 with any period of uninsurance during the year	-0.77	0.004	0.102	MEPS	13 (2002-2015)
People under age 65 who were uninsured all year	-1.18	0.009	0.190	MEPS	13 (2002-2015)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Adults age 65 and over with any private health insurance	2.43	0.001	0.000	NHIS	16 (2000-2016)
Children who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	2.34	0.008	0.025	MEPS	7 (2008-2015)
People under age 65 with any private health insurance	1.61	0.003	0.000	NHIS	16 (2000-2016)

Measures Included in Figure 12: Number and Percentage of Access Measures for Which Members of Selected Groups Experienced Better, Same, or Worse Access to Care Compared With Reference Group, 2014-2016

Poor Households vs. High-Income Households

Poor Households Better Than High-Income Households	Relative Difference	Z Score	Data Source	Data Year
None				
Poor Households Same as High-Income Households	Relative Difference	Z Score	Data Source	Data Year
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	18.92	1.83	MEPS	2015
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	1.02	0.31	MEPS	2015
Poor Households Worse Than High-Income Households	Relative Difference	Z Score	Data Source	Data Year
People under age 65 with any private health insurance	821.84	83.68	NHIS	2016
People under age 65 with health insurance	400.00	17.95	NHIS	2016
People under age 65 who were uninsured all year	269.05	11.91	MEPS	2015
People under age 65 with any period of uninsurance during the year	200.00	15.65	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	193.75	6.68	MEPS	2015
Children who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	155.88	2.57	MEPS	2015
People with a specific source of ongoing care	132.05	13.52	NHIS	2016
Adults age 65 and over with any private health insurance	120.16	26.68	NHIS	2016
People in fair or poor health with a specific source of ongoing care	116.95	3.07	NHIS	2016
People who were unable to get or delayed in getting needed dental care in the last 12 months	113.51	6.26	MEPS	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	80.92	5.14	MEPS	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	64.65	3.12	MEPS	2015
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	64.29	2.73	MEPS	2015
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	64.29	4.99	MEPS	2015
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	63.46	1.98	MEPS	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	61.11	3.77	MEPS	2015
People with a usual primary care provider	42.64	6.44	MEPS	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	39.34	3.68	MEPS	2015

Blacks vs. Whites

Measures for Blacks Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
People who were unable to get or delayed in getting needed medical care in the last 12 months	-21.74	-2.77	MEPS	2015
Measures for Blacks Same as Whites	Relative Difference	Z Score	Data Source	Data Year
People in fair or poor health with a specific source of ongoing care	45.24	1.74	NHIS	2016
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	23.86	1.03	MEPS	2015
People with a specific source of ongoing care	11.40	1.71	NHIS	2016
People under age 65 who were uninsured all year	7.29	0.99	MEPS	2015
Adults who reported getting the help or advice they needed the same day they contacted their home health providers	2.48	19.61	HHCAHPS	2016
People who were unable to get or delayed in getting needed dental care in the last 12 months	-3.57	-0.40	MEPS	2015
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	-3.90	-1.29	MEPS	2015
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	-5.41	-0.55	MEPS	2015
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	-9.21	-1.40	MEPS	2015
Measures for Blacks Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	104.65	4.18	MEPS	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	62.86	3.42	MEPS	2015
Children who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	57.45	2.15	MEPS	2015
People under age 65 with any private health insurance	54.40	15.47	NHIS	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	50.75	3.80	MEPS	2015
Adults age 65 and over with any private health insurance	33.87	9.56	NHIS	2016
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	28.57	3.50	MEPS	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	28.10	2.75	MEPS	2015
People with a usual primary care provider	18.78	3.69	MEPS	2015
People under age 65 with any period of uninsurance during the year	18.54	3.33	MEPS	2015
People under age 65 with health insurance	12.75	2.23	NHIS	2016

Asians vs. Whites

Measures for Asians Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	-70.27	-9.19	MEPS	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	-58.70	-7.49	MEPS	2015
People under age 65 with health insurance	-36.27	-5.52	NHIS	2016
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	-26.97	-2.69	MEPS	2015
People under age 65 with any period of uninsurance during the year	-24.88	-3.67	MEPS	2015
People under age 65 who were uninsured all year	-22.92	-2.14	MEPS	2015
People under age 65 with any private health insurance	-21.70	-4.95	NHIS	2016
Measures for Asians Same as Whites	Relative Difference	Z Score	Data Source	Data Year
People in fair or poor health with a specific source of ongoing care	39.29	0.88	NHIS	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	29.85	1.47	MEPS	2015
People with a specific source of ongoing care	14.04	1.53	NHIS	2016
People with a usual primary care provider	12.66	1.90	MEPS	2015
Adults who reported getting the help or advice they needed the same day they contacted their home health providers	0.99	2.66	HHCAHPS	2016
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	-7.80	-1.48	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	-21.43	-1.79	MEPS	2015
Measures for Asians Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	202.33	3.73	MEPS	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	100.79	5.40	MEPS	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	68.57	2.27	MEPS	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	43.14	2.45	MEPS	2015
Adults age 65 and over with any private health insurance	34.08	6.24	NHIS	2016

American Indians and Alaska Natives vs. Whites

Measures for American Indians and Alaska Natives Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
None				
Measures for American Indians and Alaska Natives Same as Whites	Relative Difference	Z Score	Data Source	Data Year
People under age 65 with any period of uninsurance during the year	60.00	1.94	MEPS	2015
People in fair or poor health with a specific source of ongoing care	14.29	0.29	NHIS	2016
People with a usual primary care provider	12.23	0.44	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	8.77	0.33	MEPS	2014
Adults who reported getting the help or advice they needed the same day they contacted their home health providers	-2.61	-4.20	HHCAHPS	2016
People with a specific source of ongoing care	-4.39	-0.27	NHIS	2016
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	-8.14	-0.51	MEPS	2015
Measures for American Indians and Alaska Natives Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
People under age 65 with health insurance	149.02	5.04	NHIS	2016
People under age 65 who were uninsured all year	109.38	2.18	MEPS	2015
People under age 65 with any private health insurance	89.62	7.44	NHIS	2016
Adults age 65 and over with any private health insurance	72.82	8.63	NHIS	2016

Native Hawaiians/Pacific Islanders vs. Whites

Measures for Native Hawaiians/Pacific Islanders Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
None				
Measures for Native Hawaiians/Pacific Islanders Same as Whites	Relative Difference	Z Score	Data Source	Data Year
People with a specific source of ongoing care	22.81	0.65	NHIS	2016
People under age 65 with any private health insurance	13.84	0.73	NHIS	2016
Adults who reported getting the help or advice they needed the same day they contacted their home health providers	-0.37	-0.33	HHCAHPS	2016
People under age 65 with health insurance	-8.82	-0.36	NHIS	2016
Measures for Native Hawaiians/Pacific Islanders Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
None				

Hispanics vs. Non-Hispanic Whites

Measures for Hispanics Better Than Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	-50.00	-7.42	MEPS	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	-32.65	-4.44	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	-17.24	-2.36	MEPS	2015
Measures for Hispanics Same as Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Children who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	50.00	1.61	MEPS	2015
People in fair or poor health with a specific source of ongoing care	23.46	1.21	NHIS	2016
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	2.04	0.62	MEPS	2015
Measures for Hispanics Worse Than Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
People under age 65 who were uninsured all year	190.77	12.59	MEPS	2015
People under age 65 with health insurance	168.49	14.92	NHIS	2016
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	148.39	4.47	MEPS	2015
People under age 65 with any private health insurance	120.56	26.74	NHIS	2016
People under age 65 with any period of uninsurance during the year	107.41	13.35	MEPS	2015
People with a specific source of ongoing care	72.73	9.45	NHIS	2016
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	67.74	4.45	MEPS	2015
Adults age 65 and over with any private health insurance	60.47	13.98	NHIS	2016
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	56.96	2.59	MEPS	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	48.45	2.97	MEPS	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	43.45	4.13	MEPS	2015
People with a usual primary care provider	43.06	8.47	MEPS	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	42.86	4.95	MEPS	2015
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	21.38	2.66	MEPS	2015

Measures Included in Figure 18: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total and by Priority Area, From 2000 Through 2016

Person-Centered Care

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-4.12	0.01	0.00	MEPS	13 (2002-2015)
Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-3.78	0.01	0.00	HCAHPS	7 (2009-2016)
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-3.46	0.00	0.00	MEPS	13 (2002-2015)
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-3.30	0.00	0.00	MEPS	13 (2002-2015)
Adults who reported that in the last 2 months of care, home health providers talked about pain	-3.10	0.00	0.00	HHCAHPS	4 (2012-2016)
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-2.67	0.00	0.00	MEPS	13 (2002-2015)
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-2.54	0.01	0.00	MEPS	13 (2002-2015)
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-2.22	0.00	0.00	MEPS	13 (2002-2015)
Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-1.50	0.00	0.00	HHCAHPS	4 (2012-2016)
Adults who reported being told what care and services they would get when they first started getting home health care	-1.30	0.00	0.00	HHCAHPS	4 (2012-2016)
Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-1.04	0.00	0.09	HHCAHPS	4 (2012-2016)
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	0.93	0.00	0.00	HHCAHPS	4 (2012-2016)
Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-0.02	0.00	0.56	HHCAHPS	4 (2012-2016)
Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	-0.30	0.00	0.06	HHCAHPS	4 (2012-2016)
Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-0.81	0.00	0.01	HHCAHPS	4 (2012-2016)
Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-0.82	0.00	0.01	HHCAHPS	4 (2012-2016)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
None					

Patient Safety

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-15.51	0.01	0.00	HCUP	7 (2008-2015)
Inpatient adverse events in adults receiving hip joint replacement due to degenerative conditions	-13.52	0.04	0.02	MPSMS	6 (2009-2015)
Inpatient adverse events in adults receiving knee replacement	-13.47	0.05	0.04	MPSMS	6 (2009-2015)
Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin (LMWH) and factor Xa	-9.58	0.01	0.00	MPSMS	6 (2009-2015)
Inpatient adverse events in adults receiving hip joint replacement due to fracture	-7.60	0.03	0.05	MPSMS	6 (2009-2015)
Adult surgery patients with postoperative pneumonia events	-6.78	0.03	0.05	MPSMS	6 (2009-2015)
Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults	-6.66	0.01	0.00	MEPS	13 (2002-2015)
Deaths per 1,000 hospital admissions with expected low mortality	-6.00	0.00	0.00	HCUP	15 (2000-2015)
Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	-5.95	0.01	0.00	MPSMS	6 (2009-2015)
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-4.86	0.00	0.00	HCUP	15 (2000-2015)
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-4.68	0.01	0.00	HCUP	15 (2000-2015)
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-4.08	0.00	0.00	MEPS	13 (2002-2015)
Adult surgery patients with catheter-associated urinary tract infection	-4.02	0.01	0.04	MPSMS	6 (2009-2015)
Mechanical adverse events in adult patients receiving central venous catheter placement	-3.99	0.02	0.04	MPSMS	6 (2009-2015)
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-3.79	0.01	0.00	HCUP	10 (2005-2015)
Adverse drug event with IV heparin in adult hospital patients who received an anticoagulant	-3.56	0.01	0.04	MPSMS	6 (2009-2015)
Obstetric trauma per 1,000 instrument-assisted deliveries	-3.28	0.00	0.00	HCUP	15 (2000-2015)
Birth trauma - injury to neonate per 1,000 selected live births	-2.96	0.01	0.00	HCUP	11 (2004-2015)
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	-2.86	0.01	0.00	HCUP	15 (2000-2015)
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.00	0.00	0.00	HCUP	10 (2005-2015)
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-1.96	0.01	0.00	HCUP	15 (2000-2015)
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-1.84	0.01	0.02	HCUP	15 (2000-2015)
Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	-1.63	0.00	0.00	HHCAHPS	4 (2012-2016)

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-1.61	0.01	0.03	HCUP	15 (2000-2015)
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-1.31	0.01	0.04	HCUP	15 (2000-2015)
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital patients with an anticoagulant-related adverse drug event to warfarin	1.19	0.02	0.62	MPSMS	6 (2009-2015)
Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	0.76	0.00	0.01	HHCAHPS	4 (2012-2016)
Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	0.71	0.00	0.01	HHCAHPS	4 (2012-2016)
Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	0.62	0.00	0.00	HHCAHPS	4 (2012-2016)
Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-0.19	0.00	0.61	HHCAHPS	4 (2012-2016)
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.42	0.00	0.15	HCUP	15 (2000-2015)
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	-0.72	0.01	0.55	HCUP	7 (2008-2015)
Adult surgery patients with postoperative venous thromboembolic events	-2.82	0.07	0.68	MPSMS	6 (2009-2015)
Bloodstream infection in adult patients receiving central venous catheter placement	-4.05	0.06	0.57	MPSMS	3 (2009-2012)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	1.62	0.00	0.01	HHCAHPS	4 (2012-2016)
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	1.42	0.01	0.01	HCUP	15 (2000-2015)

Healthy Living

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital patients who received influenza vaccination	-22.53	0.07	0.07	QIO	3 (2012-2015)
Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-22.00	0.03	0.00	NIS_TEEN	7 (2008-2015)
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-19.53	0.03	0.00	NIS_TEEN	7 (2008-2015)
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-16.01	0.01	0.00	NIS_TEEN	7 (2008-2015)
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-14.28	0.01	0.00	NIS_TEEN	7 (2008-2015)

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-9.15	0.00	0.00	NIS_TEEN	3 (2012-2015)
Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-7.87	0.00	0.00	NIS_TEEN	3 (2012-2015)
Children ages 19-35 months who received 1 or more doses of varicella vaccine	-5.80	0.01	0.00	NIS	14 (2001-2015)
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-5.60	0.01	0.00	NIS_TEEN	7 (2008-2015)
Children who had their height and weight measured by a health provider within the past 2 years	-5.21	0.01	0.00	MEPS	13 (2002-2015)
Adults who received a blood cholesterol measurement in the last 5 years	-4.72	0.01	0.06	NHIS	16 (1998-2014)
Children ages 0-17 with a wellness checkup in the past 12 months	-4.26	0.00	0.00	NHIS	15 (2000-2015)
Children ages 6 months to 17 years who received influenza vaccination	-4.03	0.01	0.00	NHIS	5 (2010-2015)
Infants who received exclusive breastfeeding through 3 months	-3.49	0.01	0.01	NIS	5 (2009-2014)
Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-3.45	0.00	0.00	NPCR_USCS	14 (2000-2014)
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-3.43	0.01	0.00	NIS_TEEN	7 (2008-2015)
Adults age 65 and over who received an influenza vaccination in the last 12 months	-3.27	0.01	0.00	NHIS	10 (2005-2015)
Children ages 19-35 months who received 3 or more doses of polio vaccine	-2.92	0.01	0.00	NIS	14 (2001-2015)
Children ages 3-5 who ever had their vision checked by a health provider	-2.65	0.00	0.00	MEPS	13 (2002-2015)
Adults ages 18 and over who received influenza vaccination	-2.62	0.00	0.00	NHIS	5 (2010-2015)
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-2.52	0.00	0.00	MEPS	13 (2002-2015)
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-2.08	0.00	0.00	MEPS	13 (2002-2015)
Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	-1.72	0.00	0.01	NHANES	12 (2002-2014)
Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-1.55	0.00	0.00	NPCR_USCS	14 (2000-2014)
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-1.39	0.00	0.00	NVSS_L	13 (2001-2014)
Adults age 65 and over who ever received pneumococcal vaccination	-1.39	0.00	0.00	NHIS	15 (2000-2015)
Adults with obesity who ever received advice from a health professional to exercise more	-1.34	0.00	0.00	MEPS	13 (2002-2015)
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-1.30	0.00	0.00	MEPS	13 (2002-2015)
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-1.25	0.00	0.00	MEPS	13 (2002-2015)
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital patients who received pneumococcal immunization	6.73	0.10	0.57	QIO	3 (2012-2015)
Children ages 6-11 with obesity	1.02	0.01	0.27	NHANES	12 (2002-2014)

Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.69	0.01	0.23	NIS	14 (2001-2015)
Adults who had a preventive dental service in the calendar year	0.46	0.00	0.00	MEPS	13 (2002-2015)
Adults with a dental visit in the calendar year	0.20	0.00	0.01	MEPS	13 (2002-2015)
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.11	0.01	0.81	NIS	14 (2001-2015)
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-0.22	0.01	0.83	NIS	14 (2001-2015)
Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	-0.23	0.01	0.75	NHANES	12 (2002-2014)
Live-born infants with low birth weight (less than 2,500 g)	-0.31	0.00	0.01	NVSS_N	8 (2007-2015)
Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	-0.48	0.00	0.00	NPCR_USCS	14 (2000-2014)
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-0.49	0.00	0.04	MEPS	13 (2002-2015)
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.54	0.00	0.00	MEPS	13 (2002-2015)
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-0.55	0.00	0.00	MEPS	13 (2002-2015)
Children ages 2-17 who had a dental visit in the calendar year	-0.59	0.00	0.01	MEPS	13 (2002-2015)
Children ages 2-17 who had a preventive dental service in the calendar year	-0.66	0.00	0.00	MEPS	13 (2002-2015)
Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.67	0.00	0.00	NHIS	15 (2000-2015)
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-0.86	0.00	0.01	MEPS	13 (2002-2015)
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-0.88	0.01	0.34	NHIS	5 (2010-2015)
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-0.91	0.00	0.00	MEPS	13 (2002-2015)
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-1.03	0.01	0.40	NHIS	16 (1998-2014)
Children ages 2-5 with obesity	-1.34	0.02	0.49	NHANES	12 (2002-2014)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	8.07	0.04	0.08	HCUP	15 (2000-2015)
Women ages 21-65 who received a Pap test in the last 3 years	2.99	0.00	0.00	NHIS	15 (2000-2015)
Adolescents ages 12-19 with obesity	1.96	0.00	0.02	NHANES	12 (2002-2014)
Women ages 50-74 who received a mammogram in the last 2 years	1.26	0.00	0.02	NHIS	15 (2000-2015)

Effective Treatment

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-14.82	0.01	0.00	NCDB	9 (2005-2014)
Deaths per 1,000 adult hospital admissions with pneumonia	-9.34	0.00	0.00	HCUP	15 (2000-2015)
Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-9.16	0.01	0.00	NCDB	8 (2005-2013)
Deaths per 1,000 adult hospital admissions with congestive heart failure	-8.95	0.00	0.00	HCUP	15 (2000-2015)
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-7.58	0.00	0.00	HCUP	15 (2000-2015)
HIV infection deaths per 100,000 population	-7.22	0.00	0.00	NVSS_M	15 (2000-2015)
Doctor's office, emergency department, and outpatient department visits where antibiotics were prescribed for a diagnosis of common cold per 10,000 population	-6.26	0.01	0.00	NAMCS_NHAMCS	13 (2001-2014)
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-6.17	0.00	0.00	HCUP	15 (2000-2015)
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-5.61	0.01	0.00	NCDB	9 (2005-2014)
Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment	-5.06	0.00	0.00	NTBSS	13 (2000-2013)
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-4.25	0.00	0.00	HCUP	15 (2000-2015)
New HIV cases per 100,000 population age 13 and over	-4.07	0.01	0.00	HIV_AIDSSS	6 (2008-2014)
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-3.80	0.00	0.00	HCUP	15 (2000-2015)
Hospital patients with heart attack given fibrinolytic medication within 30 minutes of arrival	-3.70	0.01	0.00	QIO	10 (2005-2015)
Hospital admissions for congestive heart failure per 100,000 population	-3.50	0.00	0.00	HCUP	15 (2000-2015)
People age 13 and over living with HIV who know their serostatus	-3.47	0.00	0.00	HIV_AIDSSS	4 (2010-2014)
Adults with hypertension with blood pressure less than 140/90 mm/Hg	-2.64	0.00	0.03	NHANES	12 (2002-2014)
Colorectal cancer deaths per 100,000 population per year	-2.53	0.00	0.00	NVSS_M	15 (2000-2015)
Lung cancer deaths per 100,000 population per year	-2.10	0.00	0.00	NVSS_M	15 (2000-2015)
Breast cancer deaths per 100,000 female population per year	-1.83	0.00	0.00	NVSS_M	15 (2000-2015)
Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	-1.51	0.00	0.00	USRDS	10 (2005-2015)
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	0.85	0.01	0.16	MEPS	13 (2002-2015)
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	0.65	0.01	0.32	MEPS	13 (2002-2015)
Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.62	0.00	0.00	USRDS	12 (2000-2012)
People age 12 and over treated for substance abuse who completed treatment course	0.21	0.00	0.59	TEDSD	9 (2005-2014)

Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Dialysis patients who were registered on a waiting list for transplantation	-0.21	0.00	0.00	USRDS	15 (2000-2015)
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.28	0.00	0.28	MEPS	13 (2002-2015)
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.52	0.01	0.46	NSDUH	7 (2008-2015)
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.83	0.00	0.06	NSDUH	7 (2008-2015)
Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	-0.85	0.00	0.00	USRDS	14 (2001-2015)
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-0.96	0.01	0.23	MEPS	7 (2008-2015)
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-1.23	0.01	0.24	NHIS	5 (2009-2014)
Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-1.48	0.01	0.15	USRDS	3 (2012-2015)
Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-1.82	0.01	0.15	NHANES	12 (2002-2014)
Adults age 40 and over with diabetes whose condition was diagnosed	-2.54	0.01	0.11	NHANES	12 (2002-2014)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hemodialysis patients whose hemoglobin level is less than 10 g/dL	33.44	0.02	0.00	UMKECC	9 (2006-2015)
Emergency department visits involving opioid-related diagnoses per 100,000 population	9.61	0.01	0.00	HCUP	10 (2005-2015)
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	5.41	0.00	0.00	HCUP	10 (2005-2015)
Suicide deaths among people age 12 and over per 100,000 population	1.90	0.00	0.00	NVSS_M	7 (2008-2015)
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	1.03	0.00	0.00	MEPS	12 (2003-2015)

Care Coordination

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital admissions for angina per 100,000 population, adults age 18 and over	-12.87	0.00	0.00	HCUP	15 (2000-2015)
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-10.76	0.01	0.00	HCUP	15 (2000-2015)
Adult hospital patients who did not receive good communication about discharge information	-5.76	0.00	0.00	HCAHPS	7 (2009-2016)
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-4.84	0.01	0.00	HCUP	15 (2000-2015)
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-4.54	0.01	0.00	HCUP	15 (2000-2015)
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-4.52	0.01	0.00	HCUP	15 (2000-2015)

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-3.98	0.00	0.00	HCUP	15 (2000-2015)
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-3.87	0.00	0.00	HCUP	15 (2000-2015)
Hospital admissions for asthma per 100,000 population, children ages 2-17	-3.39	0.01	0.00	HCUP	15 (2000-2015)
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-2.29	0.01	0.01	HCUP	10 (2005-2015)
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-2.14	0.01	0.00	HCUP	15 (2000-2015)
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	-1.97	0.01	0.00	MEPS	13 (2002-2015)
Hospitalizations and emergency department encounters for congestive heart failure	-1.31	0.01	0.04	HCUP	7 (2008-2015)
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-1.02	0.01	0.08	HCUP	15 (2000-2015)
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Children ages 2-19 who visited emergency department for asthma	0.87	0.01	0.50	NHAMCS	6 (2008-2014)
Emergency department visits with a principal diagnosis related to dental conditions	0.68	0.01	0.28	HCUP	6 (2009-2015)
Emergency department encounters for asthma, children ages 2-17	0.59	0.01	0.48	HCUP	7 (2008-2015)
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	0.57	0.00	0.22	HCUP	15 (2000-2015)
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	0.53	0.00	0.21	HCUP	15 (2000-2015)
Emergency department encounters for asthma, adults	-0.69	0.01	0.40	HCUP	7 (2008-2015)
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-0.75	0.00	0.00	HCUP	15 (2000-2015)
Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.86	0.00	0.01	HHCAHPS	4 (2012-2016)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	5.76	0.00	0.00	HCUP	8 (2007-2015)
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	5.64	0.00	0.00	HCUP	8 (2007-2015)
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	3.63	0.00	0.00	HCUP	15 (2000-2015)
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	2.99	0.00	0.00	HCUP	8 (2007-2015)
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	1.87	0.01	0.00	HCUP	15 (2000-2015)
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	1.42	0.01	0.02	HCUP	15 (2000-2015)

Affordable Care

Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
None					
Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	0.36	0.00	0.23	MEPS	13 (2002-2015)
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	0.00	0.01	0.99	MEPS	13 (2002-2015)
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-0.26	0.00	0.53	MEPS	9 (2006-2015)
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.74	0.00	0.03	MEPS	13 (2002-2015)
Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	2.02	0.01	0.04	MEPS	13 (2002-2015)

Measures Included in Figure 19: Number and Percentage of Quality Measures for Which Members of Selected Groups Experienced Better, Same, or Worse Quality of Care Compared With Reference Group (White) in 2014-2016

Blacks vs. Whites

Priority Area	Measures for Blacks Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	-62.64	-80.60	NVSS_M	2015
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-54.36	-128.00	HHCAHPS	2016
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-47.09	-17.80	HCUP_DR	2015
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	-32.96	-8.72	HCUP_DR	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-30.77	-14.40	HCUP_DR	2015
Effective Treatment	Adults with hypertension with blood pressure less than 140/90 mm/Hg	-28.74	-4.00	NHANES	2014
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-23.97	-2.22	MEPS	2015
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-21.71	-3.80	MEPS	2015
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-20.75	-2.46	HCUP_DR	2015
Effective Treatment	Stroke patients prescribed statin medication at hospital discharge	-20.00	-7.44	QIO	2015
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-17.98	-7.16	HCUP_DR	2015
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-17.39	-27.50	HHCAHPS	2016
Patient Safety	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-16.67	-2.12	HCUP_DR	2015
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	-15.14	-2.09	NHIS	2015
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-14.19	-2.60	NHIS	2014
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-12.87	-12.70	HCAHPS	2016
Effective Treatment	Stroke patients with educational material addressing activation of emergency medical system, followup after discharge, medications prescribed at discharge, risk factors for stroke, warning signs and symptoms of stroke	-11.11	-4.79	QIO	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-11.08	-4.85	HCUP_DR	2015
Person-Centered Care	Hospice patients whose hospice care team always communicated well with their family caregivers about taking care of them	-10.40	-9.39	HOSPICE_CAHPs	2016
Priority Area	Measures for Blacks Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to warfarin	62.20	1.77	MPSMS	2015
Effective Treatment	Adults age 40 and over with diabetes whose condition was diagnosed	29.41	1.19	NHANES	2014
Effective Treatment	People age 13 and over living with HIV who know their serostatus	27.64	1.92	HIV_AIDSSS	2014

Priority Area	Measures for Blacks Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	17.09	1.23	MEPS	2015
Healthy Living	Adolescents ages 12-19 with obesity	15.31	0.88	NHANES	2014
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	14.52	0.91	NIS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	14.10	0.91	NIS	2015
Patient Safety	Adverse drug event with IV heparin in adult hospital patients who received an anticoagulant	10.60	0.54	MPSMS	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	10.48	1.59	MEPS	2015
Patient Safety	Adult surgery patients with catheter-associated urinary tract infection	10.04	0.42	MPSMS	2015
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	9.66	0.54	NIS_TEEN	2015
Healthy Living	Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	9.59	0.96	MEPS	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	9.20	2.17	MEPS	2015
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	7.94	14.65	USRDS	2015
Person-Centered Care	Family caregivers who rated the hospice care for their family member best (9-10) on a scale of 0-10 (where 0 is the worst and 10 is the best)	7.18	4.43	HOSPICE_CAHPS	2016
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	6.75	1.05	NHIS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	6.67	6.86	HHCAHPS	2016
Healthy Living	Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	6.31	0.96	NHANES	2014
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	5.88	2.15	HCUP_DR	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	5.45	0.51	MEPS	2015
Effective Treatment	People age 12 and over treated for substance abuse who completed treatment course	5.11	25.94	TEDSD	2014
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	4.80	16.67	HHCAHPS	2016
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	4.50	2.24	HCUP_DR	2015
Effective Treatment	People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	4.31	1.43	MEPS	2015
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	4.31	12.66	USRDS	2015
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	4.21	0.55	NHIS	2014

Priority Area	Measures for Blacks Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	4.15	0.97	HCUP_DR	2015
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	3.54	0.31	HCUP_DR	2015
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	3.23	0.51	MEPS	2015
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	2.85	0.51	MEPS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	2.47	0.18	NIS	2015
Healthy Living	Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	2.45	0.69	NIS_TEEN	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	2.28	0.56	MEPS	2015
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	2.21	1.03	NHIS	2015
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	2.06	0.52	MEPS	2015
Healthy Living	Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	2.01	0.42	NIS_TEEN	2015
Person-Centered Care	Hospice patients who always received enough help for pain, sadness, breathing, or constipation from the hospice care team	2.01	1.58	HOSPICE_CAHPS	2016
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	1.90	12.75	HHCAHPS	2016
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	1.69	0.45	NCDB	2014
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	1.67	0.30	NHIS	2015
Effective Treatment	Lung cancer deaths per 100,000 population per year	1.21	1.58	NVSS_M	2015
Person-Centered Care	Hospice patients whose hospice care team always treated them with dignity and respect and really cared about them	0.99	0.50	HOSPICE_CAHPS	2016
Effective Treatment	People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	0.49	0.13	NSDUH	2015
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	0.40	2.94	HHCAHPS	2016
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	0.00	0.00	HHCAHPS	2016
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	0.00	0.00	HHCAHPS	2016
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	0.00	0.00	NIS	2015
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	0.00	0.00	HCUP_DR	2015
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	-0.42	-2.94	HHCAHPS	2016

Priority Area	Measures for Blacks Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	-0.81	-5.88	HHCAHPS	2016
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-1.17	-0.15	NIS_TEEN	2015
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-2.34	-0.49	NIS_TEEN	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-2.34	-0.20	NIS_TEEN	2015
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-2.60	-0.55	MEPS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-2.67	-3.92	HHCAHPS	2016
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-2.67	-24.50	HHCAHPS	2016
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-2.79	-0.20	NIS_TEEN	2015
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-3.27	-0.74	MEPS	2015
Effective Treatment	Stroke patients who received venous thromboembolism (VTE) prophylaxis	-4.00	-1.49	QIO	2015
Person-Centered Care	Hospice patients and family caregivers who always got help as soon as they needed from the hospice care team	-4.05	-2.85	HOSPICE_CAHPS	2016
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	-4.63	-0.95	MEPS	2015
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-5.14	-1.31	HCUP_DR	2015
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	-5.16	-0.49	MEPS	2015
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-5.59	-2.82	HCUP_DR	2015
Effective Treatment	People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-5.84	-2.25	NSDUH	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-5.97	-11.80	HHCAHPS	2016
Effective Treatment	Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-6.39	-0.85	NSDUH	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-6.57	-0.66	NIS_TEEN	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-6.68	-0.81	MEPS	2015
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-7.34	-0.71	MEPS	2015
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-7.41	-1.03	NHIS	2014
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	-7.46	-0.80	HCUP_DR	2015

Priority Area	Measures for Blacks Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-7.76	-1.95	MEPS	2015
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-8.33	-2.23	HCUP_DR	2015
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-8.89	-1.42	HCUP_DR	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	-9.60	-2.69	HCUP_DR	2015
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-9.82	-1.32	NHIS	2015
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	-10.99	-1.54	NHIS	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	-11.69	-1.04	MEPS	2015
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-14.29	-1.22	HCUP_DR	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-15.05	-1.04	HCUP_DR	2015
Healthy Living	Children ages 3-5 who ever had their vision checked by a health provider	-15.58	-1.19	MEPS	2015
Effective Treatment	Doctor's office, emergency department, and outpatient department visits where antibiotics were prescribed for a diagnosis of common cold per 10,000 population	-16.76	-0.71	NAMCS_NHAMCS	2014
Priority Area	Measures for Blacks Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	New HIV cases per 100,000 population age 13 and over	769.35	115.70	HIV_AIDSSS	2014
Effective Treatment	HIV infection deaths per 100,000 population	618.18	66.68	NVSS_M	2015
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	402.36	19.02	HCUP_DR	2015
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	362.29	7.02	HCUP_DR	2015
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	300.00	14.51	HCUP_DR	2015
Care Coordination	Children ages 2-19 who visited emergency department for asthma	232.24	4.68	NHAMCS	2014
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	228.77	13.73	HCUP_DR	2015
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	222.22	13.52	HCUP_DR	2015
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	195.95	15.03	HCUP_DR	2015
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	181.47	73.08	USRDS	2015
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	164.06	14.60	HCUP_DR	2015
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	135.96	13.29	HCUP_DR	2015
Healthy Living	Children ages 2-5 with obesity	100.00	2.71	NHANES	2014
Patient Safety	Mechanical adverse events in adult patients receiving central venous catheter placement	97.45	1.98	MPSMS	2015
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	97.06	7.42	HCUP_DR	2015
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	85.71	212.10	NVSS_N	2015

Priority Area	Measures for Blacks Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	73.77	20.12	HCUP_DR	2015
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	67.29	8.25	HCUP_DR	2015
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	66.67	11.77	NVSS_L	2014
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	63.53	2.60	HCUP_DR	2015
Healthy Living	Children ages 6-11 with obesity	57.35	2.76	NHANES	2014
Healthy Living	Hospital patients who received pneumococcal immunization	56.90	21.26	QIO	2015
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin (LMWH) and factor Xa	56.09	2.23	MPSMS	2015
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	52.63	2.91	MEPS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	50.00	3.43	MEPS	2015
Care Coordination	Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patient's discharge healthcare would be	50.00	24.51	HCAHPS	2016
Healthy Living	Infants who received exclusive breastfeeding through 3 months	46.87	11.85	NIS	2014
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	46.49	7.90	NHIS	2015
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	45.13	7.14	HCUP_DR	2015
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	41.38	3.79	HCUP_DR	2015
Effective Treatment	Breast cancer deaths per 100,000 female population per year	39.90	19.16	NVSS_M	2015
Effective Treatment	People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL	38.57	95.46	HIV_AIDSSS	2014
Patient Safety	Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	38.44	2.56	MPSMS	2015
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	35.66	2.77	NHIS	2015
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	35.00	21.91	NVSS_M	2015
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	33.98	3.40	MEPS	2015
Effective Treatment	Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	33.88	2.74	NSDUH	2015
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	31.89	4.66	HCUP_DR	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	31.11	3.13	MEPS	2015
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	31.03	7.12	HCUP_DR	2015
Healthy Living	Adults who had a preventive dental service in the calendar year	29.79	13.95	MEPS	2015
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	28.97	4.20	MEPS	2015

Priority Area	Measures for Blacks Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	28.30	23.70	HCUP_DR	2015
Affordable Care	People unable to get or delayed in getting needed medical care due to financial or insurance reasons	27.77	2.89	MEPS	2015
Person-Centered Care	Family caregivers who received the right amount of emotional and spiritual supports from the hospice care team	27.36	14.43	HOSPICE_CAHPS	2016
Healthy Living	Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	27.27	2.98	NHANES	2014
Healthy Living	Adults with a dental visit in the calendar year	26.13	14.85	MEPS	2015
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	26.09	4.52	MEPS	2015
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	25.17	2.36	NIS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	25.00	2.39	MEPS	2015
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	24.76	4.29	HCUP_DR	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	24.14	13.73	HHCAHPS	2016
Effective Treatment	Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	22.96	2.23	NHANES	2014
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	22.72	4.79	MEPS	2015
Healthy Living	Hospital patients who received influenza vaccination	22.64	22.28	QIO	2015
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	22.02	20.91	UMKECC	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	21.32	2.37	MEPS	2015
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	21.20	15.72	NPCR_USCS	2014
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	20.70	13.70	NPCR_USCS	2014
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	20.14	5.39	HCUP_DR	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	20.00	17.65	HHCAHPS	2016
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	19.65	38.94	USRDS	2015
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	19.42	5.96	HCUP_DR	2015
Affordable Care	People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	18.48	2.53	MEPS	2015
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	18.39	2.97	NCDB	2014
Effective Treatment	Adult hemodialysis patients with adequate dialysis - (Kt/V) 12 or higher	15.22	31.30	UMKECC	2016
Healthy Living	Adults ages 18 and over who received influenza vaccination	15.07	5.73	NHIS	2015

Priority Area	Measures for Blacks Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	14.85	14.71	HCAHPS	2016
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	13.78	7.71	HCUP_DR	2015
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	13.59	4.43	NPCR_USCS	2014
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	12.77	29.42	HHCAHPS	2016
Effective Treatment	Acute stroke patients for whom IV thrombolytic therapy was initiated at hospital within 3 hours of time last known well	12.32	2.79	QIO	2015
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	10.98	32.53	USRDS	2012
Effective Treatment	People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions	10.84	31.82	HIV_AIDSSS	2014

Asians vs. White

Priority Area	Measures for Asians Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	-67.77	-13.10	HCUP_DR	2015
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	-65.08	-12.30	HCUP_DR	2015
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-63.92	-4.61	HCUP_DR	2015
Effective Treatment	HIV infection deaths per 100,000 population	-63.64	-24.70	NVSS_M	2015
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	-57.14	-46.50	NVSS_M	2015
Healthy Living	Hospital patients who received pneumococcal immunization	-56.03	-13.90	QIO	2015
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-52.64	-9.64	HCUP_DR	2015
Healthy Living	Adolescents ages 12-19 with obesity	-52.04	-3.44	NHANES	2014
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-50.53	-7.64	HCUP_DR	2015
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-48.02	-6.21	HCUP_DR	2015
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-47.26	-9.01	HCUP_DR	2015
Effective Treatment	Lung cancer deaths per 100,000 population per year	-46.38	-46.60	NVSS_M	2015
Effective Treatment	Acute stroke patients for whom IV thrombolytic therapy was initiated at hospital within 3 hours of time last known well	-46.38	-6.34	QIO	2015
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-45.40	-7.54	HCUP_DR	2015

Priority Area	Measures for Asians Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-43.80	-3.03	MEPS	2015
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-43.55	-2.51	NIS	2015
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-43.15	-3.82	HCUP_DR	2015
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	-42.58	-3.35	MEPS	2015
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-40.91	-25.60	NVSS_M	2015
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-40.00	-2.48	NIS	2015
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-39.34	-4.71	HCUP_DR	2015
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-37.95	-5.17	HCUP_DR	2015
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-34.00	-2.20	HCUP_DR	2015
Person-Centered Care	Adults with limited English proficiency who had a usual source of care	-33.58	-3.46	MEPS	2015
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-33.33	-5.88	NVSS_L	2014
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-31.97	-2.43	NIS	2015
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-30.67	-2.40	HCUP_DR	2015
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-30.54	-3.29	NHIS	2015
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-30.00	-18.80	NVSS_M	2015
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-29.71	-3.88	MEPS	2015
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	-27.65	-19.00	NPCR_USCS	2014
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	-26.17	-2.85	HCUP_DR	2015
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-25.73	-20.60	HHCAHPS	2016
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-21.66	-13.00	NPCR_USCS	2014
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-21.36	-6.96	NPCR_USCS	2014
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-19.89	-7.31	HCUP_DR	2015
Effective Treatment	Adult hemodialysis patients with adequate dialysis - (Kt/V) 12 or higher	-17.39	-19.40	UMKECC	2016
Effective Treatment	Adults with hypertension with blood pressure less than 140/90 mm/Hg	-12.41	-1.97	NHANES	2014
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	-11.62	-5.90	UMKECC	2015

Priority Area	Measures for Asians Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	People age 13 and over living with HIV who know their serostatus	59.35	1.13	HIV_AIDSSS	2014
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	57.89	1.60	MEPS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	47.83	1.78	MEPS	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	36.69	1.77	MEPS	2015
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	28.16	1.83	MEPS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	27.78	1.72	MEPS	2015
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	21.38	1.72	MEPS	2015
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	19.75	1.87	NHIS	2014
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	19.50	1.44	NHIS	2015
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	19.01	0.99	HCUP_DR	2014
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	17.24	0.98	HCUP_DR	2015
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	14.97	0.99	MEPS	2015
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	12.76	0.74	HCUP_DR	2015
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	11.39	1.25	MEPS	2015
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	10.83	0.53	HCUP_DR	2015
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	10.47	1.47	MEPS	2015
Effective Treatment	People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	8.63	1.64	MEPS	2015
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	8.11	0.77	HCUP_DR	2015
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	7.46	0.57	HCUP_DR	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	7.27	0.42	MEPS	2015
Healthy Living	Adults who had a preventive dental service in the calendar year	7.27	2.08	MEPS	2015
Patient Safety	Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	6.47	0.22	MPSMS	2014
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	6.25	0.26	NIS_TEEN	2015
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	6.21	3.33	HHCAHPS	2016

Priority Area	Measures for Asians Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	6.19	0.54	MEPS	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	5.87	0.83	MEPS	2015
Healthy Living	Adults with a dental visit in the calendar year	5.60	2.01	MEPS	2015
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	5.53	4.32	HHCAHPS	2016
Healthy Living	Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	5.31	0.71	NIS_TEEN	2015
Effective Treatment	People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL	4.86	3.33	HIV_AIDSSS	2014
Effective Treatment	New HIV cases per 100,000 population age 13 and over	4.84	1.34	HIV_AIDSSS	2014
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	4.82	0.44	MEPS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	4.69	0.26	MEPS	2015
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	4.54	10.31	HHCAHPS	2016
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	4.28	1.51	HCUP_DR	2015
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	4.17	0.73	HCUP_DR	2015
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	3.86	0.28	NHIS	2014
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	3.54	0.24	MEPS	2015
Effective Treatment	Stroke patients prescribed statin medication at hospital discharge	3.33	0.21	QIO	2015
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	3.30	0.44	MEPS	2015
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	3.19	0.25	NHIS	2015
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	2.51	3.32	USRDS	2012
Effective Treatment	People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions	2.41	1.96	HIV_AIDSSS	2014
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	1.89	0.11	HCUP_DR	2015
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	1.69	3.99	HHCAHPS	2016
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	1.45	0.37	HCUP_DR	2015
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	1.27	1.19	USRDS	2015

Priority Area	Measures for Asians Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	0.67	1.66	HHCAHPS	2016
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	0.26	0.06	NHIS	2015
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	0.00	0.00	HCUP_DR	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.65	-0.09	MEPS	2015
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-0.99	-0.98	HCAHPS	2016
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-1.12	-0.20	HCUP_DR	2015
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	-1.14	-0.13	MEPS	2015
Care Coordination	Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patient's discharge healthcare would be	-2.00	-0.98	HCAHPS	2016
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	-2.69	-0.48	HCUP_DR	2015
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-3.42	-15.90	HHCAHPS	2016
Healthy Living	Children ages 2-5 with obesity	-3.85	-0.08	NHANES	2014
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-4.70	-0.59	NIS_TEEN	2014
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-4.91	-0.45	NHIS	2015
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	-4.97	-12.30	HHCAHPS	2016
Healthy Living	Adults ages 18 and over who received influenza vaccination	-5.15	-1.28	NHIS	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-5.92	-1.21	HCUP_DR	2015
Effective Treatment	Stroke patients with educational material addressing activation of emergency medical system, followup after discharge, medications prescribed at discharge, risk factors for stroke, warning signs and symptoms of stroke	-7.41	-1.40	QIO	2015
Healthy Living	Hospital patients who received influenza vaccination	-7.55	-3.29	QIO	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-7.69	-0.36	NIS	2015
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-8.50	-8.65	USRDS	2015
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-8.59	-0.88	MEPS	2015
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-8.78	-1.21	NHIS	2014
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	-9.33	-11.10	USRDS	2015

Priority Area	Measures for Asians Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-10.17	-1.46	NCDB	2014
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	-11.72	-1.40	HCUP_DR	2015
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-12.06	-1.26	MEPS	2015
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	-12.75	-0.97	HCUP_DR	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-13.68	-0.88	MEPS	2015
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-13.79	-0.55	NIS_TEEN	2015
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-15.64	-0.74	NIS_TEEN	2015
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-15.93	-1.66	HCUP_DR	2015
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-18.39	-1.94	NCDB	2014
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-19.06	-0.85	HCUP_DR	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-19.19	-1.09	NIS_TEEN	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-20.67	-1.53	NHANES	2014
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-23.46	-1.28	NIS	2015
Healthy Living	Children ages 6-11 with obesity	-27.94	-1.34	NHANES	2014
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	-35.66	-1.65	NHIS	2015
Priority Area	Measures for Asians Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin (LMWH) and factor Xa	319.19	2.55	MPSMS	2015
Person-Centered Care	Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	181.82	2.69	MEPS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	163.79	31.60	HHCAHPS	2016
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	123.33	36.92	HHCAHPS	2016
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	110.71	3.98	MEPS	2014
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	95.24	12.57	HCUP_DR	2015
Effective Treatment	Adults age 40 and over with diabetes whose condition was diagnosed	80.39	2.46	NHANES	2014
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	70.62	37.58	HHCAHPS	2016

Priority Area	Measures for Asians Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	58.67	29.27	HHCAHPS	2016
Effective Treatment	Stroke patients who received venous thromboembolism (VTE) prophylaxis	52.00	2.95	QIO	2015
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	50.51	6.86	HCUP_DR	2015
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	48.25	4.33	NHIS	2015
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	48.00	17.82	USRDS	2015
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	45.41	3.85	NHIS	2015
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	41.67	5.37	HCUP_DR	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	40.80	27.27	HHCAHPS	2016
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	39.83	35.21	HHCAHPS	2016
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	36.36	2.35	MEPS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	26.67	9.31	HHCAHPS	2016
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	25.93	9.31	HHCAHPS	2016
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	23.66	2.21	MEPS	2015
Healthy Living	Infants who received exclusive breastfeeding through 3 months	20.74	3.16	NIS	2014
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	20.00	13.73	NVSS_N	2015
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	19.42	3.00	HCUP_DR	2015
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	14.85	14.71	HCAHPS	2016
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	13.56	2.15	HCUP_DR	2015
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	13.23	4.01	HCUP_DR	2015
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	13.06	3.15	HCUP_DR	2015

American Indians and Alaska Natives vs. Whites

Priority Area	Measures for American Indians and Alaska Natives Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-40.91	-2.53	NIS_TEEN	2015
Effective Treatment	Stroke patients prescribed statin medication at hospital discharge	-40.00	-7.73	QIO	2015
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	-38.02	-12.10	NPCR_USCS	2014
Effective Treatment	Lung cancer deaths per 100,000 population per year	-35.51	-14.60	NVSS_M	2015
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-35.35	-7.73	NVSS_M	2015
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-33.01	-4.81	NPCR_USCS	2014
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-32.37	-19.50	HCAHPS	2016
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-30.79	-17.00	USRDS	2015
Effective Treatment	Stroke patients who received venous thromboembolism (VTE) prophylaxis	-24.00	-4.50	QIO	2015
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-20.71	-4.77	NVSS_M	2015
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-17.68	-4.09	NPCR_USCS	2014
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	-15.93	-4.10	NVSS_M	2015
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-15.84	-7.96	HCAHPS	2016
Effective Treatment	Adult hemodialysis patients with adequate dialysis - (Kt/V) 12 or higher	-15.22	-8.68	UMKECC	2016
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	-11.94	-3.06	UMKECC	2015
Priority Area	Measures for American Indians and Alaska Natives Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	138.60	1.21	MEPS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	103.85	1.64	NIS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	97.53	1.60	NIS	2015
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	58.06	1.37	NIS	2015
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	53.06	1.58	NIS	2015
Effective Treatment	People age 13 and over living with HIV who know their serostatus	50.41	0.62	HIV_AIDSSS	2014
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	44.44	1.28	NHIS	2014
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	30.51	1.28	NCDB	2014
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	29.45	1.29	NHIS	2015
Effective Treatment	HIV infection deaths per 100,000 population	27.27	1.49	NVSS_M	2015

Priority Area	Measures for American Indians and Alaska Natives Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	26.80	1.35	MEPS	2015
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	23.64	0.53	NHIS	2015
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	20.00	0.65	MEPS	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	19.37	1.19	MEPS	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	18.41	1.06	MEPS	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	18.02	0.45	NIS_TEEN	2014
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	16.48	0.81	MEPS	2015
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	16.08	0.54	NHIS	2015
Person-Centered Care	Hospice patients whose hospice care team always treated them with dignity and respect and really cared about them	11.88	1.50	HOSPICE_CAHPS	2016
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	10.89	0.79	MEPS	2015
Person-Centered Care	Hospice patients and family caregivers who always got help as soon as they needed from the hospice care team	9.01	1.66	HOSPICE_CAHPS	2016
Effective Treatment	People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions	8.92	2.84	HIV_AIDSSS	2014
Person-Centered Care	Family caregivers who rated the hospice care for their family member best (9-10) on a scale of 0-10 (where 0 is the worst and 10 is the best)	8.72	1.41	HOSPICE_CAHPS	2016
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	7.78	6.86	USRDS	2015
Person-Centered Care	Hospice patients who always received enough help for pain, sadness, breathing, or constipation from the hospice care team	7.23	1.63	HOSPICE_CAHPS	2016
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	7.14	4.90	NVSS_N	2015
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	3.33	1.38	USRDS	2015
Person-Centered Care	Hospice patients whose hospice care team always communicated well with their family caregivers about taking care of them	2.48	0.62	HOSPICE_CAHPS	2016
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	1.90	0.67	HHCAHPS	2016
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	0.13	0.02	NHIS	2015
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-1.86	-0.75	HHCAHPS	2016
Effective Treatment	People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-2.38	-0.88	NSDUH	2015
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-3.56	-0.21	NHIS	2015

Priority Area	Measures for American Indians and Alaska Natives Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-3.63	-11.30	HHCAHPS	2016
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-4.00	-0.17	MEPS	2015
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	-4.79	-7.19	HHCAHPS	2016
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	-5.12	-6.99	HHCAHPS	2016
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-5.33	-0.19	NIS	2015
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	-5.91	-8.39	HHCAHPS	2016
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	-6.85	-10.20	HHCAHPS	2016
Healthy Living	Adults ages 18 and over who received influenza vaccination	-7.17	-0.59	NHIS	2015
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-15.16	-1.06	MEPS	2015
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-20.70	-1.02	NHIS	2014
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-29.85	-1.02	NIS_TEEN	2014
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-31.38	-1.75	NHIS	2015
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-34.48	-1.30	NCDB	2014
Priority Area	Measures for American Indians and Alaska Natives Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Hospital patients who received influenza vaccination	179.25	36.43	QIO	2015
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	152.43	2.57	MEPS	2015
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	116.67	6.98	NVSS_L	2014
Effective Treatment	Acute stroke patients for whom IV thrombolytic therapy was initiated at hospital within 3 hours of time last known well	114.49	3.41	QIO	2015
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	97.28	13.57	USRDS	2015
Effective Treatment	Stroke patients with educational material addressing activation of emergency medical system, followup after discharge, medications prescribed at discharge, risk factors for stroke, warning signs and symptoms of stroke	72.22	4.47	QIO	2015
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	66.31	2.29	NHIS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	62.07	11.97	HHCAHPS	2016
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	61.08	2.01	NHIS	2015
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	59.14	1.99	MEPS	2015

Priority Area	Measures for American Indians and Alaska Natives Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	New HIV cases per 100,000 population age 13 and over	56.45	4.95	HIV_AIDSSS	2014
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	55.41	2.26	NHIS	2014
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	44.44	9.99	HHCAHPS	2016
Care Coordination	Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patient's discharge healthcare would be	44.00	10.95	HCAHPS	2016
Healthy Living	Hospital patients who received pneumococcal immunization	43.10	9.87	QIO	2015
Healthy Living	Infants who received exclusive breastfeeding through 3 months	38.11	3.87	NIS	2014
Effective Treatment	People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL	23.43	6.29	HIV_AIDSSS	2014
Healthy Living	Adults with a dental visit in the calendar year	22.08	4.18	MEPS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	21.33	7.99	HHCAHPS	2016
Person-Centered Care	Family caregivers who received the right amount of emotional and spiritual supports from the hospice care team	20.75	3.14	HOSPICE_CAHPS	2016
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	20.37	5.49	HHCAHPS	2016
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	19.37	7.74	HHCAHPS	2016
Healthy Living	Adults who had a preventive dental service in the calendar year	17.20	2.32	MEPS	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	14.93	6.00	HHCAHPS	2016
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	14.85	7.46	HCAHPS	2016
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	10.74	10.91	USRDS	2012
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	10.64	5.00	HHCAHPS	2016
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	10.17	6.00	HHCAHPS	2016

Native Hawaiians/Pacific Islanders vs. Whites

Priority Area	Measures for Native Hawaiians/Pacific Islanders Better Than Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Hospital patients who received pneumococcal immunization	-62.07	-9.18	QIO	2015
Effective Treatment	Stroke patients prescribed statin medication at hospital discharge	-53.33	-3.79	QIO	2015
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-39.83	-12.00	HHCAHPS	2016
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-21.78	-7.32	HCAHPS	2016
Person-Centered Care	Hospice patients whose hospice care team always treated them with dignity and respect and really cared about them	-19.80	-2.00	HOSPICE_CAHPS	2016
Person-Centered Care	Hospice patients whose hospice care team always communicated well with their family caregivers about taking care of them	-14.36	-2.41	HOSPICE_CAHPS	2016
Priority Area	Measures for Native Hawaiians/Pacific Islanders Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	People age 13 and over living with HIV who know their serostatus	39.84	0.41	HIV_AIDSSS	2014
Effective Treatment	Stroke patients with educational material addressing activation of emergency medical system, followup after discharge, medications prescribed at discharge, risk factors for stroke, warning signs and symptoms of stroke	33.33	1.80	QIO	2015
Effective Treatment	Stroke patients who received venous thromboembolism (VTE) prophylaxis	24.00	1.17	QIO	2015
Effective Treatment	Acute stroke patients for whom IV thrombolytic therapy was initiated at hospital within 3 hours of time last known well	15.94	0.42	QIO	2015
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	10.48	1.57	HHCAHPS	2016
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	8.91	2.99	HCAHPS	2016
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	7.41	1.14	HHCAHPS	2016
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	5.96	1.40	HHCAHPS	2016
Person-Centered Care	Family caregivers who rated the hospice care for their family member best (9-10) on a scale of 0-10 (where 0 is the worst and 10 is the best)	2.05	0.22	HOSPICE_CAHPS	2016
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	0.15	0.10	HHCAHPS	2016
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	-2.39	-1.70	HHCAHPS	2016
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	-2.93	-2.20	HHCAHPS	2016
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-4.49	-6.00	HHCAHPS	2016
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-6.21	-1.25	HHCAHPS	2016

Priority Area	Measures for Native Hawaiians/Pacific Islanders Same as Whites	Relative Difference	Z Score	Data Source	Data Year
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	-6.44	-4.80	HHCAHPS	2016
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-6.76	-0.26	NHIS	2014
Person-Centered Care	Hospice patients and family caregivers who always got help as soon as they needed from the hospice care team	-11.71	-1.53	HOSPICE_CAHPS	2016
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-12.90	-0.32	NIS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-17.95	-0.51	NIS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-20.99	-0.62	NIS	2015
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-22.45	-0.85	NIS	2015
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-26.67	-0.78	NIS	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-44.14	-1.55	NIS_TEEN	2014
Priority Area	Measures for Native Hawaiians/Pacific Islanders Worse Than Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	95.06	2.13	NHIS	2014
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	94.83	7.85	HHCAHPS	2016
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	75.56	8.50	HHCAHPS	2016
Effective Treatment	New HIV cases per 100,000 population age 13 and over	58.06	2.39	HIV_AIDSSS	2014
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	34.38	6.11	HHCAHPS	2016
Person-Centered Care	Family caregivers who received the right amount of emotional and spiritual supports from the hospice care team	33.02	2.69	HOSPICE_CAHPS	2016
Healthy Living	Infants who received exclusive breastfeeding through 3 months	31.61	2.23	NIS	2014
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	31.33	5.22	HHCAHPS	2016
Care Coordination	Adult hospital patients who strongly disagree or disagree that staff took their preferences and those of their family and caregiver into account when deciding what the patient's discharge healthcare would be	26.00	4.32	HCAHPS	2016
Effective Treatment	People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions	20.00	4.36	HIV_AIDSSS	2014
Healthy Living	Hospital patients who received influenza vaccination	16.98	2.57	QIO	2015
Effective Treatment	People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL	16.57	3.05	HIV_AIDSSS	2014
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	15.92	3.20	HHCAHPS	2016
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	13.84	4.45	HHCAHPS	2016

Hispanics vs. Non-Hispanic Whites

Priority Area	Measures for Hispanics Better Than Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	-63.41	-91.90	NVSS_M	2015
Effective Treatment	Lung cancer deaths per 100,000 population per year	-59.59	-117.00	NVSS_M	2015
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-46.83	-4.09	MEPS	2015
Patient Safety	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-38.89	-3.13	HCUP_DR	2015
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-33.82	-21.80	NVSS_M	2015
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-30.69	-13.70	HCUP_DR	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-30.09	-3.30	NIS_TEEN	2015
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-29.21	-8.22	HCUP_DR	2015
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-28.88	-5.08	MEPS	2015
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	-23.38	-3.26	HCUP_DR	2015
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-22.54	-14.30	NVSS_M	2015
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	-21.31	-6.26	HCUP_DR	2015
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	-21.22	-19.50	NPCR_USCS	2014
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-18.54	-2.70	HCUP_DR	2015
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-18.12	-11.70	HCUP_DR	2015
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-16.95	-3.16	NCDB	2014
Healthy Living	Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-16.78	-4.04	NIS_TEEN	2015
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-16.64	-3.91	MEPS	2015
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-16.28	-2.59	HCUP_DR	2015
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-16.23	-2.53	HCUP_DR	2015
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-16.02	-4.33	HCUP_DR	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-15.98	-5.01	HCUP_DR	2015
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-15.79	-10.60	NVSS_L	2014
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	-14.32	-2.38	HCUP_DR	2015
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-12.68	-20.30	USRDS	2015

Priority Area	Measures for Hispanics Better Than Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-11.76	-2.50	MEPS	2015
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-10.47	-2.03	NIS_TEEN	2015
Priority Area	Measures for Hispanics Same as Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Adult surgery patients with catheter-associated urinary tract infection	67.87	1.57	MPSMS	2015
Patient Safety	Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	40.57	1.95	MPSMS	2015
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	39.85	1.93	NIS_TEEN	2015
Effective Treatment	Adults age 40 and over with diabetes whose condition was diagnosed	26.96	1.11	NHANES	2014
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	24.53	1.94	MEPS	2015
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	22.27	1.44	HCUP_DR	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	20.62	1.70	MEPS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	19.32	1.80	MEPS	2015
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	17.58	1.83	HCUP_DR	2015
Healthy Living	Children ages 3-5 who ever had their vision checked by a health provider	17.43	1.46	MEPS	2015
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	17.24	1.58	HCUP_DR	2015
Healthy Living	Adolescents ages 12-19 with obesity	16.33	1.08	NHANES	2014
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin (LMWH) and factor Xa	14.76	0.44	MPSMS	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	13.93	1.54	MEPS	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	13.51	1.22	MEPS	2015
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	12.18	1.48	HCUP_DR	2015
Healthy Living	Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	12.09	1.01	MEPS	2015
Person-Centered Care	Hospice patients and family caregivers who always got help as soon as they needed from the hospice care team	9.95	5.34	HOSPICE_CAHPs	2016
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	9.56	1.45	NHIS	2015
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	8.67	19.69	USRDS	2012
Effective Treatment	Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	8.59	1.49	NSDUH	2015

Priority Area	Measures for Hispanics Same as Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	8.41	5.38	HCUP_DR	2015
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	8.28	1.65	HCUP_DR	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	7.56	1.27	MEPS	2015
Effective Treatment	People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	6.08	1.85	MEPS	2015
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	5.92	2.65	NHIS	2015
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	5.31	0.40	HCUP_DR	2015
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	4.73	0.46	NIS	2015
Person-Centered Care	Family caregivers who rated the hospice care for their family member best (9-10) on a scale of 0-10 (where 0 is the worst and 10 is the best)	4.62	2.18	HOSPICE_CAHPS	2016
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	4.56	1.08	MEPS	2015
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	4.35	10.61	NVSS_N	2015
Person-Centered Care	Hospice patients who always received enough help for pain, sadness, breathing, or constipation from the hospice care team	3.63	2.85	HOSPICE_CAHPS	2016
Effective Treatment	Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	3.55	0.36	NHANES	2014
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	3.45	0.47	NCDB	2014
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	2.41	0.88	HCUP_DR	2015
Patient Safety	Adverse drug event with IV heparin in adult hospital patients who received an anticoagulant	2.01	0.07	MPSMS	2015
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	1.64	0.33	MEPS	2015
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	1.56	3.40	USRDS	2015
Effective Treatment	People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	1.41	0.74	NSDUH	2015
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	1.37	0.26	MEPS	2015
Effective Treatment	People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	0.86	0.21	NSDUH	2015
Effective Treatment	People age 13 and over living with diagnosed HIV who had at least two CD4 or viral load tests performed at least 3 months apart during the last year, among reporting jurisdictions	0.48	1.41	HIV_AIDSSS	2014
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	0.00	0.00	HCUP_DR	2015

Priority Area	Measures for Hispanics Same as Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	0.00	0.00	HCUP_DR	2015
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.33	-0.08	MEPS	2015
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-0.57	-0.05	MEPS	2015
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	-1.11	-0.40	HCUP_DR	2015
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	-1.77	-0.22	NHIS	2015
Effective Treatment	People age 12 and over treated for substance abuse who completed treatment course	-2.11	-9.23	TEDSD	2014
Person-Centered Care	Hospice patients whose hospice care team always communicated well with their family caregivers about taking care of them	-2.48	-1.58	HOSPICE_CAHPS	2016
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-3.82	-0.72	MEPS	2015
Healthy Living	Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	-4.78	-0.59	NHANES	2014
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-4.92	-0.95	HCUP_DR	2015
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-5.97	-1.32	NHIS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-6.10	-0.46	NIS	2015
Healthy Living	Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-6.42	-1.21	NIS_TEEN	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	-6.78	-1.90	HCUP_DR	2015
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-8.15	-0.60	NIS_TEEN	2015
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-8.46	-2.60	HCUP_DR	2015
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-8.72	-2.25	MEPS	2015
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-9.15	-6.91	NPCR_USCS	2014
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-9.43	-1.12	HCUP_DR	2015
Effective Treatment	Adults with hypertension with blood pressure less than 140/90 mm/Hg	-10.59	-1.45	NHANES	2014
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-11.02	-1.40	HCUP_DR	2015
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	-12.06	-1.54	HCUP_DR	2015
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-13.14	-1.59	NIS_TEEN	2015

Priority Area	Measures for Hispanics Same as Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-14.51	-0.89	HCUP_DR	2015
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-15.00	-1.20	NIS	2015
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-17.05	-1.39	NIS	2015
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-19.06	-1.14	HCUP_DR	2015
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-20.29	-1.63	NIS	2015
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-21.58	-1.91	NIS_TEEN	2015
Priority Area	Measures for Hispanics Worse Than Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Effective Treatment	New HIV cases per 100,000 population age 13 and over	272.58	75.58	HIV_AIDSSS	2014
Healthy Living	Children ages 2-5 with obesity	200.00	5.20	NHANES	2014
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	159.08	58.46	USRDS	2015
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	130.00	5.51	MEPS	2015
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	109.57	6.22	MEPS	2015
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	108.22	5.79	HCUP_DR	2015
Effective Treatment	HIV infection deaths per 100,000 population	100.00	8.83	NVSS_M	2015
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	98.76	4.63	HCUP_DR	2015
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	97.01	9.69	NHIS	2014
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	86.82	6.29	HCUP_DR	2015
Person-Centered Care	Family caregivers who received the right amount of emotional and spiritual supports from the hospice care team	85.15	28.60	HOSPICE_CAHPS	2016
Healthy Living	Children ages 6-11 with obesity	83.82	4.67	NHANES	2014
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	82.93	4.46	MEPS	2015
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	82.76	10.69	NHIS	2015
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	74.38	3.18	HCUP_DR	2015
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	69.62	4.72	HCUP_DR	2015
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	45.86	5.00	MEPS	2015
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	45.02	2.55	MEPS	2015
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	45.00	3.74	MEPS	2015

Priority Area	Measures for Hispanics Worse Than Non-Hispanic Whites	Relative Difference	Z Score	Data Source	Data Year
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	44.18	3.28	NHIS	2015
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	39.22	3.00	HCUP_DR	2015
Healthy Living	Adults who had a preventive dental service in the calendar year	38.67	14.28	MEPS	2015
Effective Treatment	People age 13 and over living with HIV who know their serostatus	37.40	2.23	HIV_AIDSSS	2014
Effective Treatment	Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	35.71	3.16	NSDUH	2015
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	33.78	4.62	NHIS	2015
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	32.71	4.37	NHIS	2014
Healthy Living	Adults with a dental visit in the calendar year	31.35	14.12	MEPS	2015
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	29.70	9.49	NPCR_USCS	2014
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	29.31	3.67	NHIS	2015
Healthy Living	Adults ages 18 and over who received influenza vaccination	28.76	11.43	NHIS	2015
Affordable Care	People unable to get or delayed in getting needed medical care due to financial or insurance reasons	28.51	2.91	MEPS	2015
Healthy Living	Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	26.92	3.26	NHANES	2014
Affordable Care	People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	24.28	3.10	MEPS	2015
Healthy Living	Infants who received exclusive breastfeeding through 3 months	23.18	5.65	NIS	2014
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	22.60	4.03	MEPS	2015
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	22.00	2.33	MEPS	2015
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	20.67	2.95	MEPS	2015
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	19.44	4.43	HCUP_DR	2015
Effective Treatment	People age 13 and over living with diagnosed HIV whose most recent viral load in the last 12 months was under 200 copies/mL	19.43	48.08	HIV_AIDSSS	2014
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	18.75	4.27	HCUP_DR	2015
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	18.45	26.33	USRDS	2015
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	17.42	3.63	MEPS	2015
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	17.36	2.91	NHIS	2014
Person-Centered Care	Hospice patients whose hospice care team always treated them with dignity and respect and really cared about them	16.00	5.06	HOSPICE_CAHPS	2016
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	11.26	4.64	HCUP_DR	2015
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	11.10	5.42	HCUP_DR	2015

Measures Included in Figure 20: Number and Percentage of Quality Measures With Disparity at Baseline for Which Disparities Related to Race and Ethnicity Were Improving, Not Changing, or Worsening, 2000 Through 2014-2016

Blacks vs. Whites

Disparities Between Blacks and Whites Improving	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for congestive heart failure per 100,000 population	-12.65	-32.90	HCUP	2001-2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-13.34	-21.03	HCUP	2001-2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-7.60	-12.99	HCUP	2001-2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-3.81	-11.40	HCUP_PDI	2001-2015
Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	0.03	-10.25	USRDS	2001-2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	-3.87	-6.69	HCUP	2001-2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-0.85	-5.82	HCUP	2001-2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-1.68	-5.31	HCUP	2001-2015
Hospital patients with heart attack given fibrinolytic medication within 30 minutes of arrival	-1.79	-3.59	QIO	2005-2013
New HIV cases per 100,000 population age 13 and over	-0.23	-3.57	HIV_AIDSSS	2008-2014
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	1.11	-3.26	HCUP	2001-2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-0.45	-3.14	HCUP	2001-2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-0.24	-2.17	HCUP	2001-2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.19	-1.90	NSDUH	2008-2015
HIV infection deaths per 100,000 population	-0.13	-1.17	NVSS_M	2000-2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	4.29	-0.49	HCUP	2001-2015
Disparities Between Blacks and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-9.28	-7.26	HCUP	2005-2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.86	-3.65	HCUP	2005-2015
Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-2.83	-3.09	NPCR_USCS	2000-2014
Hospital patients who received influenza vaccination	-1.99	-2.76	QIO	2012-2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	-0.99	-1.82	NHIS	2005-2015
Adults ages 18 and over who received influenza vaccination	-1.57	-1.52	NHIS	2010-2015
Lung cancer deaths per 100,000 population per year	-0.99	-1.42	NVSS_M	2000-2015
Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-0.91	-1.41	NCDB	2005-2013
Adults age 65 and over who ever received pneumococcal vaccination	-0.55	-1.17	NHIS	2000-2015
Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-0.54	-1.10	NHANES	2002-2014
Adult hospital patients who did not receive good communication about discharge information	-0.77	-0.97	HCAHPS	2009-2016

Disparities Between Blacks and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-0.77	-0.96	HCUP	2001-2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.14	-0.84	NSDUH	2008-2015
Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	-0.53	-0.78	MPSMS	2009-2015
Children ages 2-17 who had a dental visit in the calendar year	-0.19	-0.68	MEPS	2002-2015
Colorectal cancer deaths per 100,000 population per year	-0.42	-0.65	NVSS_M	2000-2015
People age 13 and over living with HIV who know their serostatus	-0.44	-0.65	HIV_AIDSSS	2010-2014
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-0.18	-0.61	HCUP_PDI	2001-2015
Children ages 2-17 who had a preventive dental service in the calendar year	-0.27	-0.61	MEPS	2002-2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.45	-0.59	MEPS	2002-2015
Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-0.48	-0.58	USRDS	2012-2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.41	-0.53	MEPS	2002-2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-0.30	-0.52	HCUP	2005-2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	-0.29	-0.51	HCUP	2008-2015
Breast cancer deaths per 100,000 female population per year	-0.43	-0.47	NVSS_M	2000-2015
Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-0.15	-0.43	NPCR_USCS	2000-2014
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-0.19	-0.39	HCUP	2001-2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	-0.19	-0.36	NIS	2001-2015
Mechanical adverse events in adult patients receiving central venous catheter placement	-0.12	-0.34	MPSMS	2009-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-0.28	-0.32	MEPS	2002-2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.27	-0.28	MEPS	2002-2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-0.20	-0.26	HCUP	2008-2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	0.05	-0.23	NIS	2001-2015
Adults with a dental visit in the calendar year	0.16	-0.20	MEPS	2002-2015
Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	-0.11	-0.13	NHANES	2002-2014
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-0.10	-0.10	HCUP	2001-2015
Live-born infants with low birth weight (less than 2,500 g)	-0.02	-0.09	NVSS_N	2007-2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	0.03	-0.09	NIS	2001-2015
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-0.03	-0.06	NVSS_L	2001-2014
Deaths per 1,000 hospital admissions with expected low mortality	-0.03	-0.05	HCUP	2001-2015

Disparities Between Blacks and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-0.02	-0.05	HCUP	2001-2015
Adults who had a preventive dental service in the calendar year	0.29	-0.04	MEPS	2002-2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.08	-0.01	NIS	2001-2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-0.01	-0.01	HCUP_PDI	2001-2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.02	0.00	HCUP	2001-2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	0.00	0.03	HCUP	2001-2015
Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-0.05	0.05	HHCAHPS	2012-2016
People age 12 and over treated for substance abuse who completed treatment course	0.44	0.08	TEDS	2005-2014
Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	-0.03	0.12	HHCAHPS	2012-2016
Adolescents ages 12-19 with obesity	0.44	0.14	NHANES	2002-2014
Children ages 6-11 with obesity	0.04	0.20	NHANES	2002-2014
Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.73	0.22	USRDS	2000-2012
Hospital patients who received pneumococcal immunization	0.76	1.75	QIO	2012-2015
Hemodialysis patients whose hemoglobin level is less than 10 g/dL	1.69	2.01	UMKECC	2006-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	2.41	3.17	HCUP	2001-2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	8.98	6.27	HCUP_PDI	2001-2015
Disparities Between Blacks and Whites Worsening	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Children ages 2-19 who visited emergency department for asthma	0.06	6.85	NHAMCS	2008-2014
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	0.26	2.84	HCUP	2001-2015
Infants who received exclusive breastfeeding through 3 months	-2.66	-1.38	NIS	2009-2014

Asians vs. Whites

Disparities Between Asians and Whites Improving	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.86	-4.30	HCUP	2005-2015
Hospital patients who received pneumococcal immunization	0.76	-2.83	QIO	2012-2015
People age 13 and over living with HIV who know their serostatus	-0.44	-2.04	HIV_AIDSSS	2010-2014

Disparities Between Asians and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital patients who received influenza vaccination	-1.99	-3.81	QIO	2012-2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-2.33	-2.88	HCUP	2001-2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-1.36	-1.27	HCUP	2001-2015
Adults age 65 and over who ever received pneumococcal vaccination	-0.55	-1.01	NHIS	2000-2015
Children ages 2-17 who had a preventive dental service in the calendar year	-0.27	-0.84	MEPS	2002-2015
Adult hospital patients who did not receive good communication about discharge information	-0.77	-0.78	HCAHPS	2009-2016
Children ages 2-17 who had a dental visit in the calendar year	-0.19	-0.76	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-0.43	-0.75	MEPS	2002-2015
Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.33	-0.66	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-0.15	-0.60	HHCAHPS	2012-2016
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-0.31	-0.58	MEPS	2002-2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.27	-0.57	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-0.28	-0.50	MEPS	2002-2015
Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-0.25	-0.47	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-0.14	-0.44	HHCAHPS	2012-2016
Women ages 50-74 who received a mammogram in the last 2 years	0.36	-0.43	NHIS	2000-2015
Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	-0.03	-0.40	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-0.05	-0.36	HHCAHPS	2012-2016
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	-0.44	-0.36	MEPS	2002-2015
Adults who reported that in the last 2 months of care, home health providers talked about pain	-0.41	-0.31	HHCAHPS	2012-2016
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.09	-0.31	NHIS	1998-2014
Adults who reported being told what care and services they would get when they first started getting home health care	-0.12	-0.22	HHCAHPS	2012-2016
Women ages 21-65 who received a Pap test in the last 3 years	0.48	-0.13	NHIS	2000-2015
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-0.03	-0.13	NVSS_L	2002-2014
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	0.00	-0.03	HCUP	2001-2015
Deaths per 1,000 hospital admissions with expected low mortality	-0.03	-0.03	HCUP	2001-2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.02	-0.02	HCUP	2001-2015

Disparities Between Asians and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Live-born infants with low birth weight (less than 2,500 g)	-0.02	0.01	NVSS_N	2007-2015
Adults with a dental visit in the calendar year	0.16	0.18	MEPS	2002-2015
Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.73	0.27	USRDS	2000-2012
Adults who had a preventive dental service in the calendar year	0.29	0.31	MEPS	2002-2015
Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	0.03	0.98	USRDS	2001-2015
Disparities Between Asians and Whites Worsening				
None				

American Indians and Alaska Natives vs. Whites

Disparities Between American Indians and Alaska Natives and Whites Improving	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	0.03	-17.24	USRDS	2001-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-1.14	-2.53	MEPS	2002-2015
Disparities Between American Indians and Alaska Natives and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital patients who received influenza vaccination	-1.99	-2.75	QIO	2012-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-1.29	-2.37	MEPS	2002-2015
Infants who received exclusive breastfeeding through 3 months	-2.66	-1.27	NIS	2009-2014
Adults who received a blood cholesterol measurement in the last 5 years	-1.06	-1.03	NHIS	1998-2014
Adult hospital patients who did not receive good communication about discharge information	-0.77	-0.87	HCAHPS	2009-2016
Adults with a dental visit in the calendar year	0.16	-0.40	MEPS	2002-2015
Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-0.25	-0.37	HHCAHPS	2012-2016
Adults who had a preventive dental service in the calendar year	0.29	-0.36	MEPS	2002-2015
Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-0.14	-0.31	HHCAHPS	2012-2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-0.43	-0.30	MEPS	2002-2013
Adults who reported being told what care and services they would get when they first started getting home health care	-0.12	-0.28	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-0.05	-0.10	HHCAHPS	2012-2016
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-0.03	-0.07	NVSS_L	2001-2014

Disparities Between American Indians and Alaska Natives and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-0.15	-0.07	HHCAHPS	2012-2016
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-0.23	-0.06	MEPS	2002-2013
Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	-0.03	0.03	HHCAHPS	2012-2016
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.27	0.16	MEPS	2002-2015
Hospital patients who received pneumococcal immunization	0.76	0.19	QIO	2012-2015
Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.73	0.47	USRDS	2000-2012
Disparities Between American Indians and Alaska Natives and Whites Worsening				
None				

Native Hawaiians/Pacific Islanders vs. Whites

Disparities Between Native Hawaiians/Pacific Islanders and Whites Improving	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-3.48	-25.89	NIS_TEEN	2008-2011
Disparities Between Native Hawaiians/Pacific Islanders and Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
New HIV cases per 100,000 population age 13 and over	-0.23	-0.94	HIV_AIDSSS	2008-2014
Adult hospital patients who did not receive good communication about discharge information	-0.77	-0.84	HCAHPS	2009-2016
Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.33	-0.02	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-0.05	0.00	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-0.25	0.11	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-0.15	0.22	HHCAHPS	2012-2016
Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	-0.03	0.38	HHCAHPS	2012-2016
Disparities Between Native Hawaiians/Pacific Islanders and Whites Worsening				
None				

Hispanics vs. Whites

Disparities Between Hispanics and Non-Hispanic Whites Improving	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	-0.33	-8.38	USRDS	2001-2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-0.85	-7.03	HCUP	2001-2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	1.11	-3.05	HCUP	2001-2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-0.45	-2.48	HCUP	2001-2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	-0.94	-2.01	NHIS	2005-2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-0.24	-1.56	HCUP	2001-2015
Children ages 2-17 who had a preventive dental service in the calendar year	-0.10	-1.25	MEPS	2002-2015
Children ages 2-17 who had a dental visit in the calendar year	-0.01	-1.13	MEPS	2002-2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-0.07	-1.09	MEPS	2002-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	2.41	0.60	HCUP	2001-2015
Disparities Between Hispanics and Non-Hispanic Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for asthma per 100,000 population, children ages 2-17	-3.81	-4.52	HCUP_PDI	2001-2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.86	-3.82	HCUP	2005-2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-2.33	-2.73	HCUP	2001-2015
Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-0.91	-1.82	NCDB	2005-2013
Adults who received a blood cholesterol measurement in the last 5 years	-1.02	-1.43	NHIS	1998-2014
Adults ages 18 and over who received influenza vaccination	-1.68	-1.38	NHIS	2010-2015
Adults with obesity who ever received advice from a health professional to exercise more	-0.35	-1.21	MEPS	2002-2015
Children ages 0-17 with a wellness checkup in the past 12 months	-1.00	-1.20	NHIS	2000-2015
New HIV cases per 100,000 population age 13 and over	-0.23	-1.08	HIV_AIDSSS	2008-2014
Adults age 65 and over who ever received pneumococcal vaccination	-0.59	-1.05	NHIS	2000-2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-0.44	-0.95	NHIS	2010-2015
Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	-1.16	-0.82	USRDS	2005-2015
Children who had their height and weight measured by a health provider within the past 2 years	-0.46	-0.77	MEPS	2002-2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-0.35	-0.76	MEPS	2002-2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-0.77	-0.74	HCUP	2001-2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.09	-0.73	NSDUH	2008-2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	0.03	-0.64	MEPS	2002-2015

Disparities Between Hispanics and Non-Hispanic Whites Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-0.15	-0.63	NPCR_USCS	2000-2014
People age 13 and over living with HIV who know their serostatus	-0.44	-0.62	HIV_AIDSSS	2010-2014
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	0.26	-0.59	HCUP	2001-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-0.42	-0.55	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-0.27	-0.48	MEPS	2002-2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.26	-0.45	MEPS	2002-2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.31	-0.40	NSDUH	2008-2015
HIV infection deaths per 100,000 population	-0.10	-0.35	NVSS_M	2000-2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.46	-0.33	MEPS	2002-2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.46	-0.33	MEPS	2002-2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-0.19	-0.28	HCUP	2001-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-0.24	-0.28	MEPS	2002-2015
Adult surgery patients with catheter-associated urinary tract infection	-0.11	-0.22	MPSMS	2010-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-0.23	-0.21	MEPS	2002-2015
Adults with a dental visit in the calendar year	0.13	-0.20	MEPS	2002-2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.13	-0.14	NHIS	1998-2014
Women ages 50-74 who received a mammogram in the last 2 years	0.39	-0.11	NHIS	2000-2015
Adults who had a preventive dental service in the calendar year	0.26	-0.10	MEPS	2002-2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	-0.29	0.02	HCUP	2008-2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-0.65	0.09	NHIS	2009-2014
Women ages 21-65 who received a Pap test in the last 3 years	0.47	0.25	NHIS	2000-2015
Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.76	0.37	USRDS	2000-2012
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	0.08	0.48	MEPS	2002-2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	0.19	0.75	MEPS	2002-2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	8.98	4.22	HCUP_PDI	2001-2015
Disparities Between Hispanics and Non-Hispanic Whites Worsening				
None				

Measures Included in Figure 21: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total for Blacks and by Priority Area, From 2000 Through 2016

Priority Area	Measures for Blacks Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	-12.33	0.004	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-10.88	0.011	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	-6.51	0.005	0.000	HCAHPS	7 (2009-2016)
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-5.80	0.004	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-5.30	0.003	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-5.13	0.007	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-5.13	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-3.62	0.005	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	-3.59	0.004	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	-3.42	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-1.86	0.003	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	-1.79	0.008	0.048	MEPS	13 (2002-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-1.36	0.004	0.003	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-1.36	0.006	0.036	HCUP_DR	14 (2001-2015)
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-13.76	0.013	0.000	NCDB	9 (2005-2014)
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	-9.57	0.001	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-9.06	0.004	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-9.05	0.011	0.000	NCDB	8 (2005-2013)
Effective Treatment	HIV infection deaths per 100,000 population	-7.78	0.004	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-7.08	0.007	0.000	HCUP_DR	14 (2001-2015)

Priority Area	Measures for Blacks Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-6.64	0.010	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-6.46	0.005	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Hospital patients with heart attack given fibrinolytic medication within 30 minutes of arrival	-6.28	0.013	0.001	QIO	8 (2005-2013)
Effective Treatment	New HIV cases per 100,000 population age 13 and over	-5.52	0.004	0.000	HIV_AIDSSS	6 (2008-2014)
Effective Treatment	Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment	-5.36	0.004	0.000	NTBSS	13 (2000-2013)
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-4.89	0.006	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-4.60	0.016	0.018	NCDB	9 (2005-2014)
Effective Treatment	People age 13 and over living with HIV who know their serostatus	-3.76	0.001	0.000	HIV_AIDSSS	4 (2010-2014)
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	-3.70	0.003	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Adults with hypertension with blood pressure less than 140/90 mm/Hg	-3.38	0.005	0.025	NHANES	12 (2002-2014)
Effective Treatment	Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-2.87	0.013	0.059	NSDUH	7 (2008-2015)
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-2.78	0.001	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Lung cancer deaths per 100,000 population per year	-2.64	0.001	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	-2.23	0.002	0.000	USRDS	14 (2001-2015)
Effective Treatment	Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-1.95	0.010	0.083	NSDUH	7 (2008-2015)
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-1.50	0.001	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-1.38	0.005	0.095	USRDS	3 (2012-2015)
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	-1.37	0.001	0.000	USRDS	10 (2005-2015)
Healthy Living	Hospital patients who received influenza vaccination	-24.00	0.056	0.039	QIO	3 (2012-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-22.14	0.038	0.001	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-20.11	0.025	0.000	NIS_TEEN	7 (2008-2015)

Priority Area	Measures for Blacks Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-15.93	0.021	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-15.03	0.013	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-8.79	0.012	0.016	NIS_TEEN	3 (2012-2015)
Healthy Living	Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-6.81	0.004	0.003	NIS_TEEN	3 (2012-2015)
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-6.13	0.008	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-5.61	0.011	0.000	NIS	14 (2001-2015)
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-5.41	0.012	0.042	NHIS	16 (1998-2014)
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-4.05	0.006	0.001	NIS_TEEN	7 (2008-2015)
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-3.91	0.010	0.014	NHIS	5 (2010-2015)
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	-3.88	0.006	0.000	NHIS	10 (2005-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-3.67	0.008	0.000	NIS	14 (2001-2015)
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-3.22	0.001	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-2.86	0.002	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Children ages 3-5 who ever had their vision checked by a health provider	-2.72	0.006	0.000	MEPS	13 (2002-2015)
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	-2.62	0.010	0.018	MEPS	13 (2002-2015)
Healthy Living	Adults ages 18 and over who received influenza vaccination	-2.27	0.003	0.002	NHIS	5 (2010-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-2.10	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-2.06	0.012	0.098	NIS	14 (2001-2015)
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	-2.00	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	-1.99	0.002	0.000	NHIS	15 (2000-2015)
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-1.78	0.002	0.000	NVSS_L	13 (2001-2014)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-1.73	0.002	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	-1.16	0.002	0.000	MEPS	13 (2002-2015)
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-14.63	0.016	0.000	HCUP_DR	7 (2008-2015)

Priority Area	Measures for Blacks Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin (LMWH) and factor Xa	-10.05	0.027	0.011	MPSMS	6 (2009-2015)
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	-7.30	0.006	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	-6.36	0.013	0.003	MPSMS	6 (2009-2015)
Patient Safety	Adverse drug event with IV heparin in adult hospital patients who received an anticoagulant	-6.27	0.022	0.030	MPSMS	6 (2009-2015)
Patient Safety	Adult surgery patients with catheter-associated urinary tract infection	-5.45	0.021	0.043	MPSMS	6 (2009-2015)
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-5.26	0.006	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-4.57	0.008	0.000	MEPS	13 (2002-2015)
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-4.42	0.009	0.001	HCUP_DR	10 (2005-2015)
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-4.42	0.003	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-4.26	0.003	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-4.11	0.003	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	-2.85	0.009	0.011	HCUP_DR	11 (2004-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	-2.76	0.006	0.001	HCUP_DR	14 (2001-2015)
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	-2.75	0.010	0.032	HCUP_DR	7 (2008-2015)
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	-2.75	0.004	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.63	0.003	0.000	HCUP_DR	10 (2005-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-2.14	0.010	0.045	HCUP_DR	14 (2001-2015)
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-4.18	0.006	0.000	HCAHPS	7 (2009-2016)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-3.40	0.006	0.000	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-2.94	0.008	0.003	MEPS	13 (2002-2015)
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-2.52	0.008	0.008	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-2.37	0.006	0.002	MEPS	13 (2002-2015)

Priority Area	Measures for Blacks Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	-2.10	0.005	0.030	HHCAHPS	4 (2012-2016)
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-1.76	0.005	0.002	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-1.75	0.006	0.009	MEPS	13 (2002-2015)
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	-1.09	0.003	0.024	HHCAHPS	4 (2012-2016)
Priority Area	Measures for Blacks Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People unable to get or delayed in getting needed medical care due to financial or insurance reasons	0.82	0.006	0.206	MEPS	13 (2002-2015)
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	0.73	0.004	0.125	MEPS	13 (2002-2015)
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-0.69	0.004	0.131	MEPS	9 (2006-2015)
Affordable Care	People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.76	0.003	0.033	MEPS	13 (2002-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-0.16	0.004	0.723	HCUP_DR	14 (2001-2015)
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.95	0.002	0.020	HHCAHPS	4 (2012-2016)
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-0.97	0.007	0.189	HCUP_DR	10 (2005-2015)
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	2.34	0.020	0.304	NHIS	5 (2009-2014)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	1.47	0.010	0.155	MEPS	13 (2002-2015)
Effective Treatment	People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	0.88	0.003	0.011	MEPS	12 (2003-2015)
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.24	0.000	0.000	USRDS	12 (2000-2012)
Effective Treatment	People age 12 and over treated for substance abuse who completed treatment course	0.15	0.003	0.637	TEDSD	9 (2005-2014)
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	-0.32	0.000	0.000	USRDS	15 (2000-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.64	0.007	0.361	MEPS	13 (2002-2015)
Effective Treatment	Adults age 40 and over with diabetes whose condition was diagnosed	-1.11	0.018	0.603	NHANES	12 (2002-2014)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-1.55	0.008	0.106	MEPS	7 (2008-2015)

Priority Area	Measures for Blacks Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-1.69	0.009	0.195	NHANES	12 (2002-2014)
Effective Treatment	Doctor's office, emergency department, and outpatient department visits where antibiotics were prescribed for a diagnosis of common cold per 10,000 population	-3.88	0.024	0.130	NAMCS_NHAMCS	13 (2001-2014)
Healthy Living	Hospital patients who received pneumococcal immunization	12.71	0.114	0.404	QIO	3 (2012-2015)
Healthy Living	Children ages 2-5 with obesity	1.29	0.035	0.749	NHANES	12 (2002-2014)
Healthy Living	Children ages 6-11 with obesity	0.95	0.009	0.399	NHANES	12 (2002-2014)
Healthy Living	Adolescents ages 12-19 with obesity	0.64	0.006	0.394	NHANES	12 (2002-2014)
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	0.48	0.002	0.029	NPCR_USCS	14 (2000-2014)
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	0.25	0.007	0.732	NHIS	15 (2000-2015)
Healthy Living	Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	0.08	0.004	0.850	MEPS	13 (2002-2015)
Healthy Living	Adults who had a preventive dental service in the calendar year	-0.06	0.001	0.452	MEPS	13 (2002-2015)
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.10	0.008	0.908	NHIS	16 (1998-2014)
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-0.11	0.007	0.879	NIS	14 (2001-2015)
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-0.17	0.003	0.584	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.19	0.003	0.488	MEPS	13 (2002-2015)
Healthy Living	Adults with a dental visit in the calendar year	-0.25	0.001	0.001	MEPS	13 (2002-2015)
Healthy Living	Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	-0.33	0.005	0.564	NHANES	12 (2002-2014)
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.41	0.007	0.551	NIS	14 (2001-2015)
Healthy Living	Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	-0.43	0.009	0.662	NHANES	12 (2002-2014)
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-0.60	0.003	0.036	MEPS	13 (2002-2015)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-0.66	0.014	0.663	NHIS	5 (2010-2015)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.67	0.002	0.001	NHIS	15 (2000-2015)
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	-0.71	0.001	0.002	NVSS_N	8 (2007-2015)
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-0.82	0.003	0.015	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	-0.92	0.002	0.001	MEPS	13 (2002-2015)

Priority Area	Measures for Blacks Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-0.94	0.002	0.001	MEPS	13 (2002-2015)
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-0.98	0.007	0.164	MEPS	13 (2002-2015)
Healthy Living	Infants who received exclusive breastfeeding through 3 months	-1.91	0.010	0.120	NIS	5 (2009-2014)
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-3.07	0.019	0.165	NHIS	6 (2009-2015)
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to warfarin	5.75	0.070	0.481	MPSMS	5 (2010-2015)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	1.00	0.001	0.005	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	0.98	0.002	0.012	HHCAHPS	4 (2012-2016)
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	0.91	0.001	0.005	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	0.07	0.006	0.911	HHCAHPS	4 (2012-2016)
Patient Safety	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-0.11	0.008	0.901	HCUP_DR	14 (2001-2015)
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.17	0.005	0.710	HCUP_DR	14 (2001-2015)
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	-0.96	0.003	0.041	HHCAHPS	4 (2012-2016)
Patient Safety	Mechanical adverse events in adult patients receiving central venous catheter placement	-5.08	0.075	0.521	MPSMS	6 (2009-2015)
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults	-8.41	0.090	0.430	MEPS	6 (2006-2012)
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	0.79	0.000	0.000	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	0.71	0.001	0.015	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	0.42	0.003	0.317	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-0.16	0.000	0.002	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-0.31	0.004	0.479	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-0.42	0.002	0.183	HHCAHPS	4 (2012-2016)

Priority Area	Measures for Blacks Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	3.41	0.010	0.006	MEPS	13 (2002-2015)
Care Coordination	Children ages 2-19 who visited emergency department for asthma	2.88	0.009	0.022	NHAMCS	6 (2008-2014)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	1.85	0.003	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	1.58	0.007	0.044	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	1.56	0.004	0.003	HCUP_DR	14 (2001-2015)
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	32.43	0.022	0.000	UMKECC	9 (2006-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	2.44	0.010	0.038	MEPS	13 (2002-2015)
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	1.24	0.003	0.006	NVSS_M	7 (2008-2015)
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	13.06	0.040	0.009	HCUP_DR	14 (2001-2015)
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	3.21	0.011	0.041	NHIS	15 (2000-2015)
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	3.89	0.007	0.010	HHCAHPS	4 (2012-2016)
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	1.59	0.005	0.004	HCUP_DR	14 (2001-2015)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	1.15	0.002	0.013	HHCAHPS	4 (2012-2016)

Measures Included in Figure 22: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total for Asians and by Priority Area, From 2000 Through 2016

Priority Area	Measures for Asians Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	-12.06	0.010	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-10.83	0.013	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-7.98	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-6.56	0.008	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	-6.38	0.007	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-6.37	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	-5.43	0.003	0.000	HCAHPS	7 (2009-2016)
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-5.10	0.012	0.001	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-4.64	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-3.98	0.009	0.001	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-2.89	0.010	0.016	HCUP_DR	10 (2005-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-2.35	0.006	0.001	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	-1.97	0.008	0.034	HCUP_DR	14 (2001-2015)
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	-1.34	0.007	0.062	MEPS	13 (2002-2015)
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-1.29	0.002	0.005	HHCAHPS	4 (2012-2016)
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-16.28	0.009	0.000	NCDB	9 (2005-2014)
Effective Treatment	Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment	-14.82	0.057	0.048	NTBSS	5 (2008-2013)
Effective Treatment	Hospital patients with heart attack given fibrinolytic medication within 30 minutes of arrival	-10.53	0.021	0.003	QIO	6 (2005-2011)
Effective Treatment	Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-10.43	0.016	0.000	NCDB	8 (2005-2013)

Priority Area	Measures for Asians Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-9.35	0.005	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	-9.05	0.002	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	People age 13 and over living with HIV who know their serostatus	-8.28	0.007	0.001	HIV_AIDSSS	4 (2010-2014)
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-8.17	0.008	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-6.34	0.019	0.004	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-5.75	0.003	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	HIV infection deaths per 100,000 population	-5.26	0.007	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-4.13	0.007	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-4.07	0.019	0.056	NCDB	9 (2005-2014)
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	-3.90	0.007	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-1.80	0.002	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	-1.71	0.001	0.000	USRDS	10 (2005-2015)
Effective Treatment	Lung cancer deaths per 100,000 population per year	-1.37	0.001	0.000	NVSS_M	15 (2000-2015)
Healthy Living	Hospital patients who received influenza vaccination	-33.14	0.051	0.016	QIO	3 (2012-2015)
Healthy Living	Hospital patients who received pneumococcal immunization	-27.16	0.061	0.035	QIO	3 (2012-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-22.99	0.054	0.005	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-16.76	0.054	0.015	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-16.73	0.056	0.047	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-16.28	0.038	0.004	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-14.58	0.033	0.040	NIS_TEEN	3 (2008-2011)
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-8.72	0.024	0.013	NHIS	6 (2009-2015)
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	-6.66	0.014	0.000	MEPS	13 (2002-2015)

Priority Area	Measures for Asians Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-6.26	0.014	0.000	NIS	14 (2001-2015)
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-6.04	0.013	0.010	NHIS	5 (2010-2015)
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-5.77	0.020	0.015	NVSS_L	12 (2002-2014)
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	-5.34	0.014	0.003	NHIS	10 (2005-2015)
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-4.97	0.003	0.003	NHIS	16 (1998-2014)
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-4.64	0.014	0.005	NIS	14 (2001-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-3.75	0.004	0.000	MEPS	13 (2002-2015)
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-3.41	0.001	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Adults ages 18 and over who received influenza vaccination	-3.21	0.010	0.035	NHIS	5 (2010-2015)
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-3.08	0.002	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-2.88	0.004	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-1.81	0.007	0.026	NIS	14 (2001-2015)
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-1.75	0.007	0.028	MEPS	12 (2003-2015)
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	-1.68	0.004	0.001	NHIS	15 (2000-2015)
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	-1.48	0.005	0.016	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	-1.36	0.004	0.007	MEPS	13 (2002-2015)
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-1.19	0.005	0.036	MEPS	13 (2002-2015)
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-19.99	0.012	0.000	HCUP_DR	7 (2008-2015)
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-6.30	0.032	0.073	MEPS	10 (2005-2015)
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	-5.58	0.014	0.001	HCUP_DR	14 (2001-2015)
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-4.36	0.016	0.017	HCUP_DR	13 (2001-2014)
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-3.44	0.010	0.006	HCUP_DR	10 (2005-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-3.29	0.014	0.036	HCUP_DR	14 (2001-2015)

Priority Area	Measures for Asians Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-3.11	0.005	0.000	HCUP_DR	10 (2005-2015)
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-2.84	0.002	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-2.67	0.006	0.001	HCUP_DR	14 (2001-2015)
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	-2.40	0.012	0.065	HCUP_DR	11 (2004-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	-2.10	0.007	0.012	HCUP_DR	14 (2001-2015)
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	-1.78	0.003	0.000	HCUP_DR	14 (2001-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-4.81	0.006	0.000	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-4.63	0.006	0.000	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-4.40	0.010	0.001	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-4.33	0.007	0.000	MEPS	13 (2002-2015)
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-3.69	0.004	0.000	HCAHPS	7 (2009-2016)
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-3.37	0.005	0.000	MEPS	13 (2002-2015)
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-3.27	0.011	0.013	MEPS	13 (2002-2015)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-2.38	0.003	0.003	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-2.21	0.007	0.044	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	-2.20	0.008	0.071	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	-1.90	0.003	0.009	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-1.65	0.004	0.026	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-1.49	0.002	0.002	HHCAHPS	4 (2012-2016)

Priority Area	Measures for Asians Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	0.42	0.020	0.836	MEPS	13 (2002-2015)
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-0.07	0.012	0.956	MEPS	9 (2006-2015)
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-1.10	0.019	0.615	MEPS	5 (2010-2015)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	0.71	0.020	0.727	HCUP_DR	13 (2002-2015)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	0.54	0.009	0.536	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-0.46	0.007	0.507	HCUP_DR	14 (2001-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	4.15	0.040	0.355	MEPS	6 (2009-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	3.26	0.038	0.435	MEPS	6 (2009-2015)
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	0.48	0.002	0.072	USRDS	14 (2001-2015)
Effective Treatment	New HIV cases per 100,000 population age 13 and over	0.40	0.012	0.749	HIV_AIDSSS	6 (2008-2014)
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.33	0.001	0.004	USRDS	12 (2000-2012)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	0.09	0.044	0.985	MEPS	6 (2009-2015)
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	-0.22	0.001	0.041	USRDS	15 (2000-2015)
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-0.85	0.002	0.001	NVSS_M	15 (2000-2015)
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-2.09	0.008	0.109	USRDS	3 (2012-2015)
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-3.30	0.025	0.254	NHIS	5 (2009-2014)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	6.50	0.064	0.395	NHIS	4 (2011-2015)
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	2.32	0.016	0.206	MEPS	7 (2008-2015)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	0.78	0.008	0.336	NHIS	11 (2004-2015)
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	0.68	0.012	0.573	MEPS	12 (2003-2015)
Healthy Living	Adults who had a preventive dental service in the calendar year	0.50	0.003	0.083	MEPS	13 (2002-2015)
Healthy Living	Adults with a dental visit in the calendar year	0.26	0.002	0.254	MEPS	13 (2002-2015)

Priority Area	Measures for Asians Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	0.20	0.002	0.288	NPCR_USCS	14 (2000-2014)
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	0.12	0.002	0.611	NVSS_N	8 (2007-2015)
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	-0.48	0.007	0.555	NHIS	15 (2000-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-0.54	0.020	0.787	NIS	14 (2001-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.82	0.005	0.132	MEPS	13 (2002-2015)
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-0.84	0.004	0.065	MEPS	13 (2002-2015)
Healthy Living	Infants who received exclusive breastfeeding through 3 months	-0.97	0.026	0.726	NIS	5 (2009-2014)
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	-1.24	0.016	0.467	NHIS	15 (2000-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-2.67	0.018	0.164	NIS	14 (2001-2015)
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-2.68	0.020	0.315	NIS_TEEN	5 (2009-2014)
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-2.77	0.024	0.332	NHIS	16 (1998-2014)
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	0.97	0.021	0.661	HCUP_DR	7 (2008-2015)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	0.60	0.002	0.094	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	0.52	0.003	0.183	HHCAHPS	4 (2012-2016)
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	0.50	0.003	0.241	HHCAHPS	4 (2012-2016)
Patient Safety	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	0.18	0.018	0.926	HCUP_DR	12 (2001-2013)
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.68	0.007	0.317	HCUP_DR	14 (2001-2015)
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	-0.75	0.003	0.092	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	-0.98	0.003	0.044	HHCAHPS	4 (2012-2016)
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-1.47	0.009	0.114	HCUP_DR	14 (2001-2015)
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	-1.71	0.013	0.215	HCUP_DR	14 (2001-2015)

Priority Area	Measures for Asians Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	-2.01	0.063	0.767	MPSMS	4 (2010-2014)
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	0.37	0.004	0.413	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-0.09	0.001	0.302	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	-1.54	0.009	0.170	HHCAHPS	4 (2012-2016)
Priority Area	Measures for Asians Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	1.87	0.005	0.003	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	1.65	0.006	0.020	HCUP_DR	14 (2001-2015)
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	36.83	0.029	0.000	UMKECC	9 (2006-2015)
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	1.26	0.006	0.095	NVSS_M	7 (2008-2015)
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	13.87	0.037	0.004	HCUP_DR	14 (2001-2015)
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	3.78	0.014	0.040	MEPS	7 (2008-2015)
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	1.86	0.003	0.009	HHCAHPS	4 (2012-2016)

Measures Included in Figure 23: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total for American Indians and Alaska Natives and by Priority Area, From 2000 Through 2016

Priority Area	Measures for American Indians and Alaska Natives Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	-6.07	0.005	0.000	HCAHPS	7 (2009-2016)
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-16.72	0.028	0.000	NCDB	9 (2005-2014)
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-8.38	0.038	0.080	NHIS	5 (2009-2014)
Effective Treatment	Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-7.14	0.028	0.034	NCDB	8 (2005-2013)
Effective Treatment	HIV infection deaths per 100,000 population	-5.73	0.009	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	People age 13 and over living with HIV who know their serostatus	-5.25	0.004	0.001	HIV_AIDSSS	4 (2010-2014)
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-4.99	0.013	0.060	USRDS	3 (2012-2015)
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	-4.39	0.003	0.000	USRDS	14 (2001-2015)
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-1.75	0.005	0.005	NVSS_M	15 (2000-2015)
Effective Treatment	Lung cancer deaths per 100,000 population per year	-1.47	0.004	0.002	NVSS_M	15 (2000-2015)
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	-1.02	0.003	0.005	USRDS	10 (2005-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-28.72	0.062	0.003	NIS_TEEN	6 (2008-2014)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-24.34	0.123	0.073	NIS_TEEN	6 (2008-2014)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-20.89	0.042	0.003	NIS_TEEN	7 (2008-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-7.64	0.022	0.003	NIS	14 (2001-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-4.60	0.009	0.015	MEPS	13 (2002-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-4.53	0.026	0.100	NIS	14 (2001-2015)
Healthy Living	Adults ages 18 and over who received influenza vaccination	-3.82	0.013	0.042	NHIS	5 (2010-2015)

Priority Area	Measures for American Indians and Alaska Natives Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-3.34	0.010	0.047	MEPS	13 (2002-2015)
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-3.25	0.010	0.080	NHIS	16 (1998-2014)
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-2.56	0.004	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-2.43	0.007	0.017	MEPS	13 (2002-2015)
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-1.66	0.004	0.001	NVSS_L	13 (2001-2014)
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-1.49	0.006	0.033	NPCR_USCS	14 (2000-2014)
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	-1.13	0.003	0.046	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-4.81	0.013	0.010	HCAHPS	7 (2009-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	-2.12	0.009	0.097	HHCAHPS	4 (2012-2016)
Priority Area	Measures for American Indians and Alaska Natives Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-0.92	0.029	0.753	MEPS	9 (2006-2015)
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	1.36	0.015	0.398	MEPS	13 (2002-2015)
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.53	0.002	0.117	HHCAHPS	4 (2012-2016)
Effective Treatment	New HIV cases per 100,000 population age 13 and over	1.49	0.015	0.383	HIV_AIDSSS	6 (2008-2014)
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.53	0.001	0.003	USRDS	12 (2000-2012)
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	-0.01	0.001	0.919	USRDS	15 (2000-2015)
Effective Treatment	Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment	-0.39	0.091	0.967	NTBSS	5 (2008-2013)
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-0.89	0.004	0.046	NVSS_M	15 (2000-2015)
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-2.53	0.034	0.474	NCDB	9 (2005-2014)
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	2.76	0.068	0.710	NHIS	5 (2010-2015)
Healthy Living	Hospital patients who received pneumococcal immunization	1.43	0.084	0.880	QIO	3 (2012-2015)
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	0.39	0.018	0.841	NHIS	15 (2000-2015)

Priority Area	Measures for American Indians and Alaska Natives Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	0.22	0.002	0.217	NVSS_N	8 (2007-2015)
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	0.13	0.018	0.946	NHIS	16 (1998-2014)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.23	0.004	0.587	MEPS	7 (2008-2015)
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	-0.31	0.004	0.479	NPCR_USCS	14 (2000-2014)
Healthy Living	Adults with a dental visit in the calendar year	-0.50	0.002	0.049	MEPS	13 (2002-2015)
Healthy Living	Adults who had a preventive dental service in the calendar year	-0.51	0.004	0.214	MEPS	13 (2002-2015)
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.58	0.014	0.688	NIS	14 (2001-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-0.67	0.022	0.771	NIS	14 (2001-2015)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.68	0.010	0.546	NHIS	11 (2004-2015)
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	-1.10	0.022	0.646	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	-1.79	0.022	0.474	MEPS	13 (2002-2015)
Healthy Living	Infants who received exclusive breastfeeding through 3 months	-2.11	0.042	0.640	NIS	5 (2009-2014)
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	-2.49	0.018	0.237	NHIS	11 (2004-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-3.73	0.025	0.146	NIS	14 (2001-2015)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-4.95	0.050	0.366	NHIS	5 (2010-2015)
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-5.74	0.033	0.132	NHIS	6 (2009-2015)
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	-7.73	0.097	0.469	NHIS	4 (2011-2015)
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	-9.34	0.053	0.114	MEPS	13 (2002-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-10.50	0.053	0.170	NIS_TEEN	3 (2008-2011)
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-12.58	0.089	0.269	NIS_TEEN	3 (2008-2011)
Healthy Living	Hospital patients who received influenza vaccination	-13.60	0.051	0.104	QIO	3 (2012-2015)
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	0.93	0.002	0.013	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	0.75	0.003	0.097	HHCAHPS	4 (2012-2016)

Priority Area	Measures for American Indians and Alaska Natives Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	0.02	0.012	0.990	HHCAHPS	4 (2012-2016)
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	0.64	0.011	0.585	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	0.49	0.052	0.934	MEPS	11 (2002-2013)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	0.23	0.035	0.952	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	0.02	0.002	0.892	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	-0.38	0.023	0.877	HHCAHPS	4 (2012-2016)
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.99	0.016	0.545	MEPS	13 (2002-2015)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-1.07	0.047	0.833	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-1.31	0.018	0.518	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-1.72	0.030	0.599	MEPS	11 (2002-2013)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-1.86	0.022	0.452	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	-2.03	0.009	0.103	HHCAHPS	4 (2012-2016)
Priority Area	Measures for American Indians and Alaska Natives Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	36.41	0.030	0.000	UMKECC	9 (2006-2015)
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	2.73	0.006	0.006	NVSS_M	7 (2008-2015)
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	3.93	0.008	0.017	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	1.01	0.003	0.043	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	1.82	0.004	0.018	HHCAHPS	4 (2012-2016)

Measures Included in Figure 24: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total for Native Hawaiians/Pacific Islanders and by Priority Area, From 2001 Through 2016

Priority Area	Measures for Native Hawaiians/Pacific Islanders Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	-6.01	0.008	0.000	HCAHPS	7 (2009-2016)
Effective Treatment	People age 13 and over living with HIV who know their serostatus	-9.22	0.007	0.001	HIV_AIDSSS	4 (2010-2014)
Effective Treatment	New HIV cases per 100,000 population age 13 and over	-7.03	0.011	0.001	HIV_AIDSSS	6 (2008-2014)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-52.00	0.126	0.028	NIS_TEEN	3 (2008-2011)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-31.15	0.104	0.037	NIS_TEEN	5 (2008-2013)
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-4.72	0.008	0.001	HCAHPS	7 (2009-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	-3.94	0.009	0.023	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	-2.60	0.008	0.040	HHCAHPS	4 (2012-2016)
Priority Area	Measures for Native Hawaiians/Pacific Islanders Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	0.94	0.047	0.856	MEPS	8 (2004-2012)
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.05	0.009	0.959	HHCAHPS	4 (2012-2016)
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	1.67	0.063	0.802	NIS	10 (2005-2015)
Healthy Living	Adults who had a preventive dental service in the calendar year	-1.06	0.032	0.772	MEPS	3 (2010-2013)
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	-2.55	0.044	0.573	NIS	14 (2001-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-4.13	0.045	0.366	NIS	14 (2001-2015)
Healthy Living	Infants who received exclusive breastfeeding through 3 months	-4.45	0.045	0.364	NIS	5 (2009-2014)
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-4.59	0.043	0.309	NIS	14 (2001-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-4.80	0.087	0.592	NIS	10 (2005-2015)
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-72.67	1.852	0.556	NIS_TEEN	3 (2008-2011)

Priority Area	Measures for Native Hawaiians/Pacific Islanders Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	3.70	0.017	0.128	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	0.06	0.006	0.918	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	-1.57	0.008	0.159	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	2.60	0.021	0.313	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	1.73	0.018	0.413	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	1.18	0.021	0.615	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	0.54	0.003	0.154	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	0.52	0.021	0.816	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	-0.06	0.031	0.987	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-0.07	0.003	0.840	HHCAHPS	4 (2012-2016)
Priority Area	Measures for Native Hawaiians/Pacific Islanders Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	1.25	0.004	0.063	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	1.22	0.003	0.033	HHCAHPS	4 (2012-2016)
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	1.14	0.002	0.010	HHCAHPS	4 (2012-2016)

Measures Included in Figure 25: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total for Hispanics and by Priority Area, From 2000 Through 2016

Priority Area	Measures for Hispanics Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	-12.78	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-11.96	0.010	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-7.18	0.008	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-6.37	0.008	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Adult hospital patients who did not receive good communication about discharge information	-5.95	0.004	0.000	HCAHPS	7 (2009-2016)
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-5.61	0.007	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	-5.22	0.004	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-5.18	0.009	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-4.22	0.009	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	-3.64	0.008	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-3.41	0.008	0.002	HCUP_DR	10 (2005-2015)
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-3.28	0.006	0.000	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-1.32	0.005	0.025	HCUP_DR	14 (2001-2015)
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-13.73	0.015	0.000	NCDB	9 (2005-2014)
Effective Treatment	Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-10.09	0.015	0.000	NCDB	8 (2005-2013)
Effective Treatment	HIV infection deaths per 100,000 population	-8.85	0.003	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	-8.65	0.002	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-8.45	0.004	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-8.18	0.006	0.000	HCUP_DR	14 (2001-2015)

Priority Area	Measures for Hispanics Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-5.89	0.003	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-5.74	0.011	0.001	NCDB	9 (2005-2014)
Effective Treatment	Patients with tuberculosis who completed a curative course of treatment within 1 year of initiation of treatment	-5.71	0.009	0.000	NTBSS	13 (2000-2013)
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	-5.33	0.007	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	New HIV cases per 100,000 population age 13 and over	-4.14	0.008	0.003	HIV_AIDSSS	6 (2008-2014)
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-4.07	0.011	0.003	HCUP_DR	14 (2001-2015)
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-3.39	0.005	0.000	HCUP_DR	14 (2001-2015)
Effective Treatment	People age 13 and over living with HIV who know their serostatus	-3.36	0.000	0.000	HIV_AIDSSS	4 (2010-2014)
Effective Treatment	Adjusted incident rates of end stage renal disease (ESRD) due to diabetes per million population	-2.32	0.001	0.000	USRDS	14 (2001-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-2.26	0.007	0.020	MEPS	7 (2008-2015)
Effective Treatment	Lung cancer deaths per 100,000 population per year	-2.15	0.001	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Colorectal cancer deaths per 100,000 population per year	-1.55	0.001	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Breast cancer deaths per 100,000 female population per year	-1.11	0.001	0.000	NVSS_M	15 (2000-2015)
Effective Treatment	Adult end stage renal disease (ESRD) patients who saw a nephrologist at least 12 months prior to initiation of renal replacement therapy	-1.08	0.001	0.000	USRDS	10 (2005-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-20.59	0.054	0.005	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-19.53	0.029	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-17.69	0.020	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-16.65	0.018	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-9.64	0.001	0.000	NIS_TEEN	3 (2012-2015)
Healthy Living	Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-8.66	0.006	0.004	NIS_TEEN	3 (2012-2015)

Priority Area	Measures for Hispanics Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-7.98	0.013	0.001	NIS_TEEN	7 (2008-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-5.91	0.009	0.000	NIS	14 (2001-2015)
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	-5.75	0.006	0.000	MEPS	13 (2002-2015)
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-5.72	0.010	0.001	NIS_TEEN	7 (2008-2015)
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-5.13	0.009	0.027	NHIS	16 (1998-2014)
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	-4.45	0.005	0.000	NHIS	10 (2005-2015)
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-4.24	0.004	0.000	NHIS	15 (2000-2015)
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-3.82	0.011	0.023	NHIS	5 (2010-2015)
Healthy Living	Cervical cancer diagnosed at advanced stage (all invasive tumors) per 100,000 women age 20 and over	-3.70	0.002	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-2.98	0.008	0.003	NIS	14 (2001-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-2.94	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Colorectal cancer diagnosed at advanced stage (tumors diagnosed at regional or distant stage) per 100,000 population age 50 and over	-2.86	0.001	0.000	NPCR_USCS	14 (2000-2014)
Healthy Living	Infants who received exclusive breastfeeding through 3 months	-2.70	0.011	0.062	NIS	5 (2009-2014)
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	-2.62	0.004	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 3-5 who ever had their vision checked by a health provider	-2.52	0.004	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-2.18	0.002	0.000	MEPS	13 (2002-2015)
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-2.05	0.005	0.001	MEPS	13 (2002-2015)
Healthy Living	Adults ages 18 and over who received influenza vaccination	-1.95	0.003	0.003	NHIS	5 (2010-2015)
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	-1.94	0.001	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	-1.88	0.001	0.000	MEPS	13 (2002-2015)
Healthy Living	Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-1.85	0.006	0.014	MEPS	13 (2002-2015)
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	-1.65	0.002	0.000	NHIS	15 (2000-2015)
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-1.57	0.002	0.000	MEPS	13 (2002-2015)
Healthy Living	Infant mortality per 1,000 live births, birth weight 2,500 grams or more	-1.54	0.002	0.000	NVSS_L	13 (2001-2014)
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-1.36	0.003	0.001	MEPS	13 (2002-2015)

Priority Area	Measures for Hispanics Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-1.24	0.002	0.000	MEPS	13 (2002-2015)
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-1.18	0.002	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-1.08	0.002	0.000	MEPS	13 (2002-2015)
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-16.78	0.014	0.000	HCUP_DR	7 (2008-2015)
Patient Safety	Hospital patients with an anticoagulant-related adverse drug event to low-molecular-weight heparin (LMWH) and factor Xa	-11.17	0.037	0.034	MPSMS	5 (2010-2015)
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	-6.40	0.008	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-5.72	0.002	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-5.66	0.008	0.000	MEPS	13 (2002-2015)
Patient Safety	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-4.39	0.012	0.002	HCUP_DR	14 (2001-2015)
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-4.38	0.011	0.001	HCUP_DR	14 (2001-2015)
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-3.56	0.007	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	-3.45	0.003	0.000	HCUP_DR	14 (2001-2015)
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.82	0.004	0.000	HCUP_DR	10 (2005-2015)
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-2.36	0.006	0.003	HCUP_DR	10 (2005-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-2.13	0.006	0.002	HCUP_DR	14 (2001-2015)
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	-1.98	0.004	0.001	HCUP_DR	11 (2004-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	-1.82	0.006	0.009	HCUP_DR	14 (2001-2015)
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-1.40	0.007	0.072	HCUP_DR	14 (2001-2015)
Patient Safety	Adults who reported a home health provider talking with them about how to set up their home so they can move around safely when they first started getting home health care	-1.31	0.005	0.065	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adult hospital patients who sometimes or never had good communication about medications they received in the hospital	-4.85	0.006	0.000	HCAHPS	7 (2009-2016)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-4.46	0.006	0.000	MEPS	13 (2002-2015)

Priority Area	Measures for Hispanics Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-3.54	0.007	0.000	MEPS	13 (2002-2015)
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-2.87	0.004	0.000	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-2.41	0.007	0.005	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-2.41	0.007	0.006	MEPS	13 (2002-2015)
Person-Centered Care	Adults who reported being told what care and services they would get when they first started getting home health care	-1.71	0.006	0.053	HHCAHPS	4 (2012-2016)
Priority Area	Measures for Hispanics Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-0.09	0.003	0.737	MEPS	13 (2002-2015)
Affordable Care	People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.41	0.004	0.312	MEPS	13 (2002-2015)
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-0.50	0.005	0.351	MEPS	9 (2006-2015)
Affordable Care	People unable to get or delayed in getting needed medical care due to financial or insurance reasons	-0.98	0.004	0.043	MEPS	13 (2002-2015)
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	0.32	0.006	0.609	MEPS	13 (2002-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-0.26	0.004	0.560	HCUP_DR	14 (2001-2015)
Care Coordination	Adults who reported that in the last 2 months of care, home health providers always seemed informed and up to date about all the care or treatments they got at home	-0.40	0.006	0.549	HHCAHPS	4 (2012-2016)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-0.47	0.009	0.607	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-0.83	0.007	0.229	HCUP_DR	14 (2001-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	1.55	0.013	0.274	MEPS	13 (2002-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	1.36	0.008	0.131	MEPS	13 (2002-2015)
Effective Treatment	People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	0.80	0.003	0.028	MEPS	12 (2003-2015)
Effective Treatment	Patients with treated chronic kidney failure who received a transplant within 3 years of date of renal failure	0.43	0.001	0.000	USRDS	12 (2000-2012)
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	0.27	0.008	0.752	NHIS	5 (2009-2014)

Priority Area	Measures for Hispanics Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	People age 12 and over treated for substance abuse who completed treatment course	0.07	0.002	0.781	TEDSD	9 (2005-2014)
Effective Treatment	Dialysis patients who were registered on a waiting list for transplantation	-0.37	0.001	0.002	USRDS	15 (2000-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.49	0.005	0.350	MEPS	13 (2002-2015)
Effective Treatment	Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.58	0.008	0.485	NSDUH	7 (2008-2015)
Effective Treatment	Adult hemodialysis patients who use arteriovenous fistulas as the primary mode of vascular access	-1.23	0.005	0.112	USRDS	3 (2012-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-1.51	0.015	0.426	NHANES	12 (2002-2014)
Effective Treatment	Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-1.59	0.017	0.383	NSDUH	7 (2008-2015)
Effective Treatment	Hospital patients with heart attack given fibrinolytic medication within 30 minutes of arrival	-2.38	0.014	0.119	QIO	10 (2005-2015)
Healthy Living	Live-born infants with low birth weight (less than 2,500 g)	0.45	0.001	0.001	NVSS_N	8 (2007-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.07	0.008	0.931	NIS	14 (2001-2015)
Healthy Living	Adults who had a preventive dental service in the calendar year	-0.13	0.001	0.243	MEPS	13 (2002-2015)
Healthy Living	Adults with a dental visit in the calendar year	-0.24	0.001	0.009	MEPS	13 (2002-2015)
Healthy Living	Hospital patients who received pneumococcal immunization	-0.31	0.080	0.973	QIO	3 (2012-2015)
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	-0.35	0.006	0.596	NHIS	15 (2000-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-0.57	0.011	0.624	NIS	14 (2001-2015)
Healthy Living	Breast cancer diagnosed at advanced stage (regional, distant stage, or local stage with tumor greater than 2 cm) per 100,000 women age 40 and over	-0.63	0.002	0.002	NPCR_USCS	14 (2000-2014)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.76	0.002	0.001	NHIS	15 (2000-2015)
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.83	0.006	0.159	NIS	14 (2001-2015)
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.96	0.017	0.601	NHIS	16 (1998-2014)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-1.60	0.020	0.465	NHIS	5 (2010-2015)
Healthy Living	Hospital patients who received influenza vaccination	-16.62	0.141	0.326	QIO	3 (2012-2015)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about the purpose for taking their new or changed prescription medicines	0.98	0.001	0.004	HHCAHPS	4 (2012-2016)
Patient Safety	Adults who reported that in the last 2 months of care, home health providers talked with them about when to take medicines	0.98	0.001	0.007	HHCAHPS	4 (2012-2016)

Priority Area	Measures for Hispanics Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Adults who reported a home health provider talking with them about all the prescription and over-the-counter medicines they were taking when they first started getting home health care	0.65	0.007	0.444	HHCAHPS	4 (2012-2016)
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	-0.04	0.019	0.986	HCUP_DR	7 (2008-2015)
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.30	0.006	0.612	HCUP_DR	14 (2001-2015)
Patient Safety	Adult surgery patients with catheter-associated urinary tract infection	-5.19	0.054	0.381	MPSMS	5 (2010-2015)
Patient Safety	Adverse drug event with IV heparin in adult hospital patients who received an anticoagulant	-5.98	0.036	0.183	MPSMS	5 (2010-2015)
Patient Safety	Hospital patients who received a hypoglycemic agent who had an adverse drug event with hypoglycemic agents	-6.08	0.033	0.132	MPSMS	5 (2010-2015)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them with courtesy and respect	0.66	0.006	0.367	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported getting the help or advice they needed when they contacted their home health providers in the last 2 months of care	0.65	0.001	0.012	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always listened carefully to them	0.56	0.006	0.422	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always treated them as gently as possible	0.17	0.005	0.751	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported having any problems with the care they received from their home health providers in the last 2 months of care	-0.14	0.000	0.037	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always explained things in a way that was easy to understand	-0.60	0.005	0.326	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers always kept them informed about when they would arrive at their home	-0.66	0.005	0.243	HHCAHPS	4 (2012-2016)
Person-Centered Care	Adults who reported that in the last 2 months of care, home health providers talked about pain	-1.21	0.010	0.295	HHCAHPS	4 (2012-2016)
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-1.54	0.009	0.118	MEPS	13 (2002-2015)
Priority Area	Measures for Hispanics Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	2.87	0.008	0.004	MEPS	13 (2002-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	1.08	0.005	0.058	HCUP_DR	14 (2001-2015)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	1.02	0.004	0.017	HCUP_DR	14 (2001-2015)
Effective Treatment	Hemodialysis patients whose hemoglobin level is less than 10 g/dL	44.22	0.060	0.004	UMKECC	5 (2010-2015)
Effective Treatment	Suicide deaths among people age 12 and over per 100,000 population	1.37	0.005	0.033	NVSS_M	7 (2008-2015)

Priority Area	Measures for Hispanics Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	15.19	0.034	0.001	HCUP_DR	14 (2001-2015)
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	1.20	0.005	0.067	NHIS	15 (2000-2015)
Patient Safety	Adults who reported a home health provider asking to see all the prescription and over-the-counter medicines they were taking when they first started getting home health care	2.94	0.005	0.009	HHCAHPS	4 (2012-2016)
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	2.13	0.010	0.047	HCUP_DR	14 (2001-2015)
Patient Safety	Adult home health patients age 18 and over who reported that in the last 2 months of care, home health providers talked with them about the side effects of medicines	1.01	0.001	0.003	HHCAHPS	4 (2012-2016)

Measures Included in Figure 26: Number and Percentage of All Quality Measures That Were Improving, Not Changing, or Worsening, Total for Poor People and by Priority Area, From 2000 Through 2015

Priority Area	Measures for Poor People Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-3.56	0.005	0.000	MEPS	9 (2006-2015)
Affordable Care	People unable to get or delayed in getting needed medical care due to financial or insurance reasons	-1.34	0.005	0.023	MEPS	13 (2002-2015)
Care Coordination	Hospital admissions for angina per 100,000 population, adults age 18 and over	-13.13	0.004	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-11.02	0.010	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-4.78	0.005	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-4.51	0.004	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-4.41	0.004	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-3.74	0.003	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, adults ages 18-39	-3.51	0.005	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for asthma per 100,000 population, children ages 2-17	-3.04	0.006	0.000	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-1.36	0.007	0.076	HCUP	10 (2005-2015)
Care Coordination	Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-1.10	0.005	0.064	HCUP	15 (2000-2015)
Effective Treatment	Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-13.24	0.025	0.001	NCDB	9 (2005-2014)
Effective Treatment	Deaths per 1,000 adult hospital admissions with congestive heart failure	-9.13	0.003	0.000	HCUP	15 (2000-2015)
Effective Treatment	Deaths per 1,000 adult hospital admissions with pneumonia	-9.09	0.003	0.000	HCUP	15 (2000-2015)
Effective Treatment	Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-7.27	0.005	0.000	HCUP	15 (2000-2015)
Effective Treatment	Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-7.16	0.018	0.004	NCDB	8 (2005-2013)
Effective Treatment	Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-6.54	0.002	0.000	HCUP	15 (2000-2015)
Effective Treatment	Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-6.04	0.025	0.036	NCDB	9 (2005-2014)

Priority Area	Measures for Poor People Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-4.75	0.004	0.000	HCUP	15 (2000-2015)
Effective Treatment	Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-3.87	0.003	0.000	HCUP	15 (2000-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-3.28	0.011	0.022	MEPS	7 (2008-2015)
Effective Treatment	Hospital admissions for congestive heart failure per 100,000 population	-3.16	0.003	0.000	HCUP	15 (2000-2015)
Effective Treatment	Adults with hypertension with blood pressure less than 140/90 mm/Hg	-2.57	0.008	0.077	NHANES	12 (2002-2014)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-20.39	0.034	0.001	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-19.88	0.026	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-16.45	0.012	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-15.60	0.010	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-8.54	0.007	0.006	NIS_TEEN	3 (2012-2015)
Healthy Living	Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-8.21	0.018	0.040	NIS_TEEN	3 (2012-2015)
Healthy Living	Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-7.17	0.014	0.002	NIS_TEEN	7 (2008-2015)
Healthy Living	Children ages 19-35 months who received 1 or more doses of varicella vaccine	-5.61	0.011	0.000	NIS	14 (2001-2015)
Healthy Living	Children who had their height and weight measured by a health provider within the past 2 years	-4.99	0.007	0.000	MEPS	13 (2002-2015)
Healthy Living	Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-4.91	0.007	0.000	NIS_TEEN	7 (2008-2015)
Healthy Living	Children ages 0-17 with a wellness checkup in the past 12 months	-4.47	0.004	0.000	NHIS	15 (2000-2015)
Healthy Living	Adults who received a blood cholesterol measurement in the last 5 years	-4.45	0.013	0.076	NHIS	16 (1998-2014)
Healthy Living	Children ages 19-35 months who received 3 or more doses of polio vaccine	-2.85	0.009	0.008	NIS	14 (2001-2015)
Healthy Living	Adults ages 18 and over who received influenza vaccination	-2.73	0.003	0.000	NHIS	5 (2010-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-2.42	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Infants who received exclusive breastfeeding through 3 months	-2.42	0.002	0.001	NIS	5 (2009-2014)
Healthy Living	Adults age 65 and over who received an influenza vaccination in the last 12 months	-2.42	0.009	0.023	NHIS	10 (2005-2015)
Healthy Living	Children ages 3-5 who ever had their vision checked by a health provider	-2.38	0.003	0.000	MEPS	13 (2002-2015)

Priority Area	Measures for Poor People Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Healthy Living	Adults with obesity who ever received advice from a health professional to exercise more	-2.07	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-1.94	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-1.69	0.006	0.019	MEPS	13 (2002-2015)
Healthy Living	Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-1.60	0.003	0.000	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a dental visit in the calendar year	-1.38	0.002	0.000	MEPS	13 (2002-2015)
Healthy Living	Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-1.37	0.006	0.054	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 who had a preventive dental service in the calendar year	-1.26	0.001	0.000	MEPS	13 (2002-2015)
Patient Safety	Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-14.52	0.015	0.000	HCUP	7 (2008-2015)
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults	-5.38	0.012	0.009	MEPS	12 (2002-2014)
Patient Safety	Deaths per 1,000 hospital admissions with expected low mortality	-5.37	0.005	0.000	HCUP	15 (2000-2015)
Patient Safety	Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-4.94	0.003	0.000	HCUP	15 (2000-2015)
Patient Safety	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-4.25	0.005	0.000	HCUP	15 (2000-2015)
Patient Safety	Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-3.99	0.006	0.000	MEPS	13 (2002-2015)
Patient Safety	Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-3.47	0.006	0.000	HCUP	10 (2005-2015)
Patient Safety	Obstetric trauma per 1,000 instrument-assisted deliveries	-3.09	0.002	0.000	HCUP	15 (2000-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	-2.53	0.006	0.001	HCUP	15 (2000-2015)
Patient Safety	Birth trauma - injury to neonate per 1,000 selected live births	-2.28	0.006	0.004	HCUP	11 (2004-2015)
Patient Safety	Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-2.16	0.007	0.006	HCUP	15 (2000-2015)
Patient Safety	Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-2.01	0.003	0.000	HCUP	10 (2005-2015)
Patient Safety	Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-1.96	0.007	0.013	HCUP	15 (2000-2015)
Patient Safety	Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-1.82	0.008	0.041	HCUP	15 (2000-2015)
Patient Safety	Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-1.24	0.006	0.065	HCUP	15 (2000-2015)

Priority Area	Measures for Poor People Improving	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-3.21	0.008	0.002	MEPS	13 (2002-2015)
Person-Centered Care	People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-2.45	0.008	0.006	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-2.44	0.006	0.001	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-2.36	0.007	0.006	MEPS	13 (2002-2015)
Person-Centered Care	Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-1.88	0.006	0.007	MEPS	13 (2002-2015)
Person-Centered Care	Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-1.27	0.005	0.019	MEPS	13 (2002-2015)
Priority Area	Measures for Poor People Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-0.39	0.004	0.303	MEPS	13 (2002-2015)
Affordable Care	People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.86	0.004	0.041	MEPS	13 (2002-2015)
Care Coordination	Emergency department encounters for asthma, adults	0.53	0.011	0.654	HCUP	7 (2008-2015)
Care Coordination	Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	0.46	0.004	0.220	HCUP	15 (2000-2015)
Care Coordination	Hospitalizations and emergency department encounters for congestive heart failure	0.25	0.009	0.790	HCUP	7 (2008-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	0.14	0.004	0.717	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-0.04	0.003	0.916	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-0.34	0.005	0.541	HCUP	15 (2000-2015)
Care Coordination	People with a usual source of care who usually asks about prescription medications and treatments from other doctors	-0.98	0.005	0.084	MEPS	13 (2002-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	0.82	0.009	0.378	MEPS	13 (2002-2015)
Effective Treatment	People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	0.79	0.003	0.037	MEPS	12 (2003-2015)
Effective Treatment	Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-0.18	0.006	0.772	NHIS	5 (2009-2014)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.59	0.004	0.166	MEPS	13 (2002-2015)

Priority Area	Measures for Poor People Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Effective Treatment	Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.61	0.008	0.455	NSDUH	7 (2008-2015)
Effective Treatment	Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-1.14	0.010	0.294	NSDUH	7 (2008-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-2.23	0.019	0.364	NHANES	12 (2002-2014)
Effective Treatment	Adults age 40 and over with diabetes whose condition was diagnosed	-2.94	0.047	0.590	NHANES	12 (2002-2014)
Healthy Living	Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	6.77	0.042	0.137	HCUP	15 (2000-2015)
Healthy Living	Adolescents ages 12-19 with obesity	1.51	0.010	0.281	NHANES	12 (2002-2014)
Healthy Living	Children ages 6-11 with obesity	0.95	0.007	0.321	NHANES	12 (2002-2014)
Healthy Living	Women ages 50-74 who received a mammogram in the last 2 years	0.45	0.005	0.432	NHIS	15 (2000-2015)
Healthy Living	Children ages 2-5 with obesity	0.27	0.017	0.888	NHANES	12 (2002-2014)
Healthy Living	Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	0.24	0.009	0.811	NHANES	12 (2002-2014)
Healthy Living	Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.18	0.007	0.790	NIS	14 (2001-2015)
Healthy Living	Adults who had a preventive dental service in the calendar year	0.16	0.000	0.006	MEPS	13 (2002-2015)
Healthy Living	Adults with a dental visit in the calendar year	0.03	0.000	0.532	MEPS	13 (2002-2015)
Healthy Living	Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.44	0.013	0.761	NHIS	16 (1998-2014)
Healthy Living	Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.48	0.005	0.356	NIS	14 (2001-2015)
Healthy Living	Adults age 65 and over who ever received pneumococcal vaccination	-0.64	0.003	0.049	NHIS	15 (2000-2015)
Healthy Living	Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	-0.65	0.003	0.161	NHANES	12 (2002-2014)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.65	0.001	0.000	NHIS	15 (2000-2015)
Healthy Living	Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-0.81	0.003	0.017	MEPS	13 (2002-2015)
Healthy Living	Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-0.84	0.002	0.001	MEPS	13 (2002-2015)
Healthy Living	Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.85	0.002	0.004	MEPS	13 (2002-2015)
Healthy Living	Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-0.89	0.004	0.055	MEPS	13 (2002-2015)
Healthy Living	Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-1.45	0.011	0.211	NIS	14 (2001-2015)
Healthy Living	Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-2.09	0.012	0.149	NHIS	5 (2010-2015)
Healthy Living	Children ages 6 months to 17 years who received influenza vaccination	-2.57	0.017	0.190	NHIS	5 (2010-2015)

Priority Area	Measures for Poor People Not Changing	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Patient Safety	Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	0.77	0.011	0.509	HCUP	7 (2008-2015)
Patient Safety	Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-0.38	0.003	0.176	HCUP	15 (2000-2015)
Priority Area	Measures for Poor People Worsening	Average Annual Percent Change	Standard Error	P Value	Data Source	Number of Years
Affordable Care	People without a usual source of care who indicated a financial or insurance reason for not having a source of care	1.75	0.008	0.046	MEPS	13 (2002-2015)
Care Coordination	Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	6.79	0.006	0.000	HCUP	8 (2007-2015)
Care Coordination	Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	6.30	0.006	0.000	HCUP	8 (2007-2015)
Care Coordination	Hospital admissions for short-term complications of diabetes per 100,000 population, adults	4.25	0.004	0.000	HCUP	15 (2000-2015)
Care Coordination	Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	3.78	0.006	0.001	HCUP	8 (2007-2015)
Care Coordination	Emergency department encounters for asthma, children ages 2-17	2.63	0.012	0.068	HCUP	7 (2008-2015)
Care Coordination	Hospital admissions for hypertension per 100,000 population, adults age 18 and over	1.64	0.005	0.010	HCUP	15 (2000-2015)
Care Coordination	Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	1.60	0.005	0.009	HCUP	15 (2000-2015)
Effective Treatment	Emergency department visits involving opioid-related diagnoses per 100,000 population	10.13	0.008	0.000	HCUP	10 (2005-2015)
Effective Treatment	Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	5.47	0.005	0.000	HCUP	10 (2005-2015)
Effective Treatment	Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	3.20	0.010	0.010	MEPS	13 (2002-2015)
Healthy Living	Women ages 21-65 who received a Pap test in the last 3 years	2.49	0.010	0.074	NHIS	15 (2000-2015)
Patient Safety	Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	2.18	0.005	0.000	HCUP	15 (2000-2015)

Measures Included in Figure 27: Number and Percentage of Quality Measures for Which Income Groups Experienced Better, Same, or Worse Quality of Care Compared With Reference Group (High Income), 2014-2015

Poor Households vs. High-Income Households

Measures for Poor People Better Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-39.64	-13.10	HCUP_QR	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-35.71	-8.71	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-29.68	-7.11	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	-13.53	-6.38	HCUP_QR	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-11.86	-3.67	NSDUH	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-10.44	-4.51	NSDUH	2015
Measures for Poor People Same as High-Income People				
Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults	29.41	0.69	MEPS	2014
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	29.00	1.41	MEPS	2015
Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	24.63	1.29	NIS_TEEN	2015
Adults with limited English proficiency who had a usual source of care	22.66	1.26	MEPS	2015
Children ages 3-5 who ever had their vision checked by a health provider	22.59	1.46	MEPS	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	18.93	1.74	NSDUH	2015
Deaths per 1,000 hospital admissions with expected low mortality	16.00	1.41	HCUP_QR	2015
Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	15.99	0.72	NHANES	2014
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	14.29	0.89	NCDB	2014
Adults with obesity who ever received advice from a health professional to exercise more	11.47	1.66	MEPS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	11.23	1.04	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	10.23	0.90	MEPS	2015
Adults with hypertension with blood pressure less than 140/90 mm/Hg	10.22	0.86	NHANES	2014
Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	10.15	1.77	NIS_TEEN	2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	9.26	0.66	NIS_TEEN	2015
Deaths per 1,000 adult hospital admissions with pneumonia	8.93	3.00	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	7.30	0.66	NHANES	2014
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	7.04	3.54	HCUP_QR	2015

Measures for Poor People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	6.97	2.19	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	6.78	1.99	HCUP_QR	2015
Adults age 40 and over with diabetes whose condition was diagnosed	6.70	0.21	NHANES	2014
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	6.10	1.14	MEPS	2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	2.98	0.26	NIS_TEEN	2015
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	2.94	0.32	NIS_TEEN	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	0.87	0.76	HCUP_QR	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	0.51	0.07	NSDUH	2015
Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.26	-0.11	NHIS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-1.09	-0.63	HCUP_QR	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-1.47	-0.12	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	-1.84	-0.45	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-2.30	-0.44	MEPS	2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-2.56	-0.12	NIS	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-3.33	-1.63	HCUP_QR	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-3.73	-0.55	HCUP_QR	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-4.71	-1.79	HCUP_QR	2015
Birth trauma - injury to neonate per 1,000 selected live births	-5.00	-0.71	HCUP_QR	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-6.14	-0.79	NHIS	2014
Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-7.83	-1.90	NIS_TEEN	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-8.00	-0.80	HCUP_QR	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-8.31	-1.10	MEPS	2015
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-8.94	-1.83	NIS_TEEN	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-9.80	-1.78	MEPS	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-10.50	-0.91	MEPS	2015

Measures for Poor People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	-62.71	-1.71	MEPS	2015
Measures for Poor People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	326.32	7.53	MEPS	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	298.28	13.68	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	256.67	7.38	MEPS	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	229.29	15.27	HCUP_QR	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	223.04	18.48	HCUP_QR	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	181.91	14.90	HCUP_QR	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	181.63	13.27	NHIS	2014
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	177.29	15.90	HCUP_QR	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	177.27	17.30	HCUP_QR	2015
Emergency department encounters for asthma, adults	177.23	10.50	HCUP_NEDS	2015
Emergency department encounters for asthma, children ages 2-17	171.68	6.57	HCUP_NEDS	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	161.93	5.22	HCUP_QR	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	157.79	11.48	HCUP_QR	2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	147.50	8.30	NIS	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	145.65	9.08	MEPS	2015
Children ages 2-5 with obesity	141.67	2.81	NHANES	2014
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	141.33	7.40	MEPS	2015
Women ages 21-65 who received a Pap test in the last 3 years	127.50	9.49	NHIS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	125.49	5.30	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	119.51	5.48	MEPS	2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	118.92	4.77	NIS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	117.42	4.06	HCUP_QR	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	114.46	8.78	HCUP_QR	2015
Children who had their height and weight measured by a health provider within the past 2 years	108.11	3.76	MEPS	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	102.82	4.89	HCUP_QR	2015
Hospitalizations and emergency department encounters for congestive heart failure	101.80	9.58	HCUP_NEDS	2015

Measures for Poor People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adults who received a blood cholesterol measurement in the last 5 years	99.02	10.10	NHIS	2014
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	95.83	7.64	HCUP_NEDS	2015
Hospital admissions for congestive heart failure per 100,000 population	95.08	12.78	HCUP_QR	2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	94.97	13.52	HCUP_QR	2015
Women ages 50-74 who received a mammogram in the last 2 years	94.31	8.09	NHIS	2015
Children ages 19-35 months who received 1 or more doses of varicella vaccine	89.80	4.14	NIS	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	88.64	5.43	HCUP_NEDS	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	87.63	13.23	HCUP_QR	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	82.03	11.71	HCUP_QR	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	81.82	6.36	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	78.95	4.97	MEPS	2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	78.18	3.80	NIS	2015
Children ages 6-11 with obesity	76.23	3.13	NHANES	2014
Adults who had a preventive dental service in the calendar year	70.64	21.53	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	70.59	2.90	MEPS	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	69.77	4.91	HCUP_NEDS	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	65.42	9.28	HCUP_QR	2015
Adults with a dental visit in the calendar year	65.08	23.99	MEPS	2015
Adolescents ages 12-19 with obesity	63.50	2.63	NHANES	2014
Children ages 0-17 with a wellness checkup in the past 12 months	60.36	5.49	NHIS	2015
Children ages 2-17 who had a dental visit in the calendar year	60.28	8.41	MEPS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	58.02	3.90	HCUP_QR	2015
Adults age 65 and over who ever received pneumococcal vaccination	55.93	6.53	NHIS	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	55.28	4.31	HCUP_NEDS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	51.94	3.19	MEPS	2015
Infants who received exclusive breastfeeding through 3 months	50.66	9.12	NIS	2014
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	50.60	2.33	NCDB	2014
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	48.71	2.56	HCUP_QR	2015
Children ages 2-17 who had a preventive dental service in the calendar year	42.70	7.35	MEPS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	38.69	3.94	MEPS	2015

Measures for Poor People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	38.21	2.52	MEPS	2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	34.47	2.32	NHIS	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	33.86	7.60	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	33.59	2.25	MEPS	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	33.54	5.86	HCUP_QR	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	32.66	3.23	MEPS	2015
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	31.13	1.98	NIS_TEEN	2015
Adults ages 18 and over who received influenza vaccination	30.82	8.63	NHIS	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	27.91	3.68	MEPS	2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	27.66	3.51	NHIS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	25.19	6.80	HCUP_QR	2015
Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	21.25	2.15	NHANES	2014
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	20.77	2.42	MEPS	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	19.32	2.82	MEPS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	19.09	7.18	HCUP_QR	2015
Children ages 6 months to 17 years who received influenza vaccination	18.18	2.60	NHIS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	14.06	4.02	HCUP_QR	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	11.94	3.77	HCUP_QR	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	11.85	2.36	MEPS	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	11.54	7.22	HCUP_QR	2015

Low-Income Households vs. High-Income Households

Measures for Low-Income People Better Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-26.13	-8.65	HCUP_QR	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-20.96	-4.55	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-20.36	-4.75	HCUP_QR	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-11.67	-2.19	MEPS	2015
Measures for Low-Income People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adults age 40 and over with diabetes whose condition was diagnosed	40.19	1.16	NHANES	2014
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	28.88	1.44	MEPS	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	25.78	1.63	MEPS	2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	21.60	1.54	NIS_TEEN	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	19.88	1.69	MEPS	2015
Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	19.86	1.67	NHANES	2014
Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	15.99	0.71	NHANES	2014
Adults with limited English proficiency who had a usual source of care	15.41	0.93	MEPS	2015
Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	12.69	0.75	NIS_TEEN	2015
Adults with hypertension with blood pressure less than 140/90 mm/Hg	12.42	1.57	NHANES	2014
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	12.05	0.98	NCDB	2014
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	11.01	0.68	HCUP_QR	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	10.57	1.84	MEPS	2015
Children ages 6 months to 17 years who received influenza vaccination	10.29	1.55	NHIS	2015
Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	8.92	1.63	NIS_TEEN	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	8.92	4.48	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with pneumonia	7.74	2.60	HCUP_QR	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	7.46	2.34	HCUP_QR	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	5.97	1.89	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	5.80	0.55	HCUP_QR	2015

Measures for Low-Income People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	5.36	0.73	NCDB	2014
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	4.69	0.34	MEPS	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	4.03	2.43	HCUP_QR	2015
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	3.99	0.44	NIS_TEEN	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	3.94	0.79	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	3.56	0.95	MEPS	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	3.54	0.56	NSDUH	2015
Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	3.37	0.87	NIS_TEEN	2015
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	3.24	0.63	NIS_TEEN	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	2.35	0.71	HCUP_QR	2015
Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	1.69	0.73	NHIS	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	1.50	0.19	MEPS	2015
Children ages 3-5 who ever had their vision checked by a health provider	1.00	0.06	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	0.76	0.42	HCUP_QR	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	0.00	0.00	HCUP_QR	2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-1.28	-0.06	NIS	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-2.73	-0.38	NHIS	2014
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-2.86	-1.30	HCUP_QR	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-3.20	-0.47	HCUP_QR	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-3.80	-2.28	NSDUH	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-4.00	-0.35	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	-4.12	-1.65	HCUP_QR	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-5.37	-4.66	HCUP_QR	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-8.59	-2.73	NSDUH	2015

Measures for Low-Income People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Birth trauma - injury to neonate per 1,000 selected live births	-10.00	-1.41	HCUP_QR	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-10.50	-0.88	MEPS	2015
Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-15.98	-1.27	NHANES	2014
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	-49.15	-1.33	MEPS	2015
Measures for Low-Income People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	261.40	8.12	MEPS	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	145.65	8.56	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	128.57	9.39	NHIS	2014
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	126.67	4.99	MEPS	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	125.86	8.16	HCUP_QR	2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	118.67	6.63	MEPS	2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	116.25	6.20	NIS	2015
Children ages 2-5 with obesity	112.50	2.12	NHANES	2014
Women ages 21-65 who received a Pap test in the last 3 years	112.50	8.84	NHIS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	108.29	13.13	HCUP_QR	2015
Children who had their height and weight measured by a health provider within the past 2 years	105.41	3.42	MEPS	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	98.99	11.39	HCUP_QR	2015
Children ages 19-35 months who received 1 or more doses of varicella vaccine	97.96	4.21	NIS	2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	89.19	3.58	NIS	2015
Adults who received a blood cholesterol measurement in the last 5 years	88.24	9.00	NHIS	2014
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	87.80	4.02	MEPS	2015
Adolescents ages 12-19 with obesity	87.59	3.28	NHANES	2014
Emergency department encounters for asthma, adults	85.32	8.18	HCUP_NEDS	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	84.45	11.33	HCUP_QR	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	79.70	4.77	MEPS	2015
Women ages 50-74 who received a mammogram in the last 2 years	79.15	7.32	NHIS	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	73.03	7.55	HCUP_QR	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	72.57	9.49	HCUP_QR	2015

Measures for Low-Income People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Children ages 0-17 with a wellness checkup in the past 12 months	71.17	6.47	NHIS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	68.63	3.71	MEPS	2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	67.27	2.89	NIS	2015
Children ages 6-11 with obesity	67.21	2.56	NHANES	2014
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	66.67	4.48	HCUP_QR	2015
Emergency department encounters for asthma, children ages 2-17	66.36	3.95	HCUP_NEDS	2015
Deaths per 1,000 hospital admissions with expected low mortality	64.00	5.66	HCUP_QR	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	63.64	4.95	HCUP_QR	2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	61.58	9.86	HCUP_QR	2015
Adults who had a preventive dental service in the calendar year	60.04	19.23	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	57.89	4.27	MEPS	2015
Adults with a dental visit in the calendar year	54.20	19.98	MEPS	2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	53.57	3.72	NIS_TEEN	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	53.37	2.68	HCUP_QR	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	53.28	5.73	HCUP_QR	2015
Infants who received exclusive breastfeeding through 3 months	47.98	8.49	NIS	2014
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	45.85	3.55	MEPS	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	45.45	5.04	HCUP_NEDS	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	44.63	3.02	HCUP_QR	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	42.86	3.52	HCUP_NEDS	2015
Children ages 2-17 who had a dental visit in the calendar year	42.54	5.61	MEPS	2015
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	40.57	2.58	NIS_TEEN	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	40.26	8.33	HCUP_QR	2015
Hospital admissions for congestive heart failure per 100,000 population	39.14	6.56	HCUP_QR	2015
Hospitalizations and emergency department encounters for congestive heart failure	38.94	4.68	HCUP_NEDS	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	38.65	6.41	HCUP_QR	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	37.96	3.87	MEPS	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	37.35	3.97	HCUP_QR	2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	36.00	2.12	MEPS	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	34.79	2.06	HCUP_QR	2015

Measures for Low-Income People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	31.64	2.94	MEPS	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	31.43	2.83	NSDUH	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	31.00	4.84	HCUP_QR	2015
Children ages 2-17 who had a preventive dental service in the calendar year	27.21	4.46	MEPS	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	26.95	3.88	MEPS	2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	25.11	2.23	NHIS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	24.60	2.72	MEPS	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	24.02	2.34	HCUP_NEDS	2015
Adults ages 18 and over who received influenza vaccination	22.24	7.67	NHIS	2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	21.70	2.54	NHIS	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	20.56	2.00	HCUP_NEDS	2015
Adults with obesity who ever received advice from a health professional to exercise more	20.29	3.04	MEPS	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	19.88	3.47	HCUP_QR	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	18.11	4.07	HCUP_QR	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	18.02	2.38	MEPS	2015
Adults age 65 and over who ever received pneumococcal vaccination	16.41	2.52	NHIS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	15.56	5.57	HCUP_QR	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	13.36	2.58	MEPS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	13.33	3.60	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	10.13	2.86	HCUP_QR	2015

Middle-Income Households vs. High-Income Households

Measures for Middle-Income People Better Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-12.61	-3.88	HCUP_QR	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-12.27	-2.86	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-10.53	-2.44	HCUP_QR	2015

Measures for Middle-Income People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Children ages 2-5 with obesity	60.42	1.14	NHANES	2014
Adolescents ages 12-19 with obesity	43.80	1.46	NHANES	2014
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	38.20	1.92	HCUP_QR	2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	36.36	1.77	NIS	2015
Children ages 6-11 with obesity	28.69	0.99	NHANES	2014
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	28.13	1.85	MEPS	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	27.87	1.61	HCUP_QR	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	24.29	1.69	HCUP_QR	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	23.46	1.58	HCUP_QR	2015
Children with obesity 2-19 years of age who had been told by a doctor or health professional that they were overweight	22.97	0.97	NHANES	2014
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	22.26	1.66	MEPS	2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	20.37	1.36	NIS_TEEN	2015
Deaths per 1,000 hospital admissions with expected low mortality	20.00	1.77	HCUP_QR	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	18.24	1.80	HCUP_NEDS	2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	17.00	1.18	MEPS	2015
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	14.15	1.00	NIS_TEEN	2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	13.62	1.46	NHIS	2015
Adults with limited English proficiency who had a usual source of care	13.60	0.77	MEPS	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	12.90	1.36	HCUP_NEDS	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	12.02	0.94	MEPS	2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	11.94	0.73	HCUP_QR	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	11.18	1.82	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	8.92	4.48	HCUP_QR	2015
Adults with obesity who ever received advice from a health professional to exercise more	8.82	1.46	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	8.74	1.52	MEPS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	8.00	0.71	HCUP_QR	2015
Adults age 65 and over who ever received pneumococcal vaccination	6.99	1.25	NHIS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	6.52	0.61	HCUP_QR	2015

Measures for Middle-Income People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	5.97	0.33	NIS_TEEN	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	5.40	0.87	NSDUH	2015
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	5.36	0.73	NCDB	2014
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	5.32	0.70	MEPS	2015
Adults with hypertension with blood pressure less than 140/90 mm/Hg	4.61	0.47	NHANES	2014
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	3.69	1.06	MEPS	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	3.66	0.79	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	3.12	0.61	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	2.89	0.83	HCUP_QR	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	2.49	0.78	HCUP_QR	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	1.93	0.17	MEPS	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	1.41	0.85	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	1.37	0.79	HCUP_QR	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	0.00	0.00	HCUP_QR	2015
Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-0.26	-0.11	NHIS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.73	-0.08	MEPS	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-0.95	-0.43	HCUP_QR	2015
Adolescent males ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-1.21	-0.32	NIS_TEEN	2015
Adults with obesity age 20 and over who had been told by a doctor or health professional that they were overweight	-1.39	-0.13	NHANES	2014
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-1.51	-0.22	HCUP_QR	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-1.56	-0.35	HCUP_QR	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-2.32	-1.55	NSDUH	2015
Deaths per 1,000 adult hospital admissions with pneumonia	-2.38	-0.80	HCUP_QR	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-2.39	-0.34	NHIS	2014
Children ages 3-5 who ever had their vision checked by a health provider	-3.32	-0.22	MEPS	2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	-3.85	-0.18	NIS	2015

Measures for Middle-Income People Same as High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-4.31	-0.89	NIS_TEEN	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-4.49	-3.90	HCUP_QR	2015
Birth trauma - injury to neonate per 1,000 selected live births	-5.00	-0.71	HCUP_QR	2015
Adults age 40 and over with diabetes whose condition was diagnosed	-6.22	-0.20	NHANES	2014
Deaths per 1,000 adult hospital admissions with congestive heart failure	-6.47	-2.59	HCUP_QR	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-7.35	-1.35	MEPS	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-9.04	-2.88	NSDUH	2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-10.84	-0.86	NCDB	2014
Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-11.24	-0.89	NHANES	2014
Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults	-23.53	-0.71	MEPS	2014
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	-28.25	-0.75	MEPS	2015
Measures for Middle-Income People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	178.95	6.80	MEPS	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	121.74	9.82	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	90.00	4.63	MEPS	2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	80.00	4.05	NIS	2015
Children ages 19-35 months who received 1 or more doses of varicella vaccine	79.59	3.67	NIS	2015
Children who had their height and weight measured by a health provider within the past 2 years	78.38	2.93	MEPS	2015
Women ages 21-65 who received a Pap test in the last 3 years	72.50	6.79	NHIS	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	63.79	5.78	HCUP_QR	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	62.21	8.47	HCUP_QR	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	61.22	6.00	NHIS	2014
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	60.61	7.68	HCUP_QR	2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	59.46	2.39	NIS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	58.51	3.80	MEPS	2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	56.00	4.20	MEPS	2015
Children ages 0-17 with a wellness checkup in the past 12 months	52.25	5.09	NHIS	2015
Emergency department encounters for asthma, adults	50.63	5.41	HCUP_NEDS	2015

Measures for Middle-Income People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	44.39	2.13	MEPS	2015
Women ages 50-74 who received a mammogram in the last 2 years	43.60	4.74	NHIS	2015
Emergency department encounters for asthma, children ages 2-17	43.15	3.19	HCUP_NEDS	2015
Adults who received a blood cholesterol measurement in the last 5 years	43.14	4.77	NHIS	2014
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	43.11	6.50	HCUP_QR	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	42.18	6.22	HCUP_QR	2015
Adults who had a preventive dental service in the calendar year	42.16	14.20	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	41.46	2.65	MEPS	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	39.55	3.72	MEPS	2015
Adults with a dental visit in the calendar year	38.36	14.14	MEPS	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	36.36	2.83	HCUP_QR	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	35.86	4.67	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	35.53	3.14	MEPS	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	33.61	3.87	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	33.33	2.40	MEPS	2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	29.47	5.07	HCUP_QR	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	28.18	3.29	HCUP_NEDS	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	26.62	2.36	HCUP_NEDS	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	24.10	2.36	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	23.98	1.97	MEPS	2015
Children ages 2-17 who had a dental visit in the calendar year	23.66	3.21	MEPS	2015
Hospital admissions for congestive heart failure per 100,000 population	23.31	3.96	HCUP_QR	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	22.43	3.78	HCUP_QR	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	22.08	4.82	HCUP_QR	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	22.05	4.95	HCUP_QR	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	21.92	3.33	MEPS	2015
Hospitalizations and emergency department encounters for congestive heart failure	21.49	2.76	HCUP_NEDS	2015
Children ages 6 months to 17 years who received influenza vaccination	20.81	3.42	NHIS	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	20.36	2.01	NSDUH	2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	20.24	2.00	NIS_TEEN	2015

Measures for Middle-Income People Worse Than High-Income People	Relative Difference	Z Score	Data Source	Data Year
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	19.36	2.68	NHIS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	18.85	2.25	MEPS	2015
Adults ages 18 and over who received influenza vaccination	16.94	6.17	NHIS	2015
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	16.60	2.00	NIS_TEEN	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	15.89	2.60	HCUP_QR	2015
Adolescent males ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	14.62	2.98	NIS_TEEN	2015
Children ages 2-17 who had a preventive dental service in the calendar year	14.16	2.26	MEPS	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	13.95	1.97	MEPS	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	13.43	4.24	HCUP_QR	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	13.28	4.76	HCUP_QR	2015
Infants who received exclusive breastfeeding through 3 months	11.09	1.98	NIS	2014
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	10.37	2.80	HCUP_QR	2015

Measures Included in Figure 28: Number and Percentage of Quality Measures With Disparity at Baseline for Which Disparities Related to Income Were Improving, Not Changing, or Worsening, 2000 Through 2015

Poor Households vs. High-Income Households

Disparities Between Poor and High-Income People Improving	Average Annual Change – Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for congestive heart failure per 100,000 population	-12.53	-18.56	HCUP	2000-2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-13.10	-17.94	HCUP	2000-2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-8.43	-16.24	HCUP_PDI	2000-2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	-2.98	-7.27	HCUP	2000-2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-2.53	-6.26	HCUP_PDI	2000-2015
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-1.50	-3.57	NIS_TEEN	2008-2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-1.61	-3.33	HCUP	2000-2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-1.23	-2.50	HCUP_PDI	2000-2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-0.39	-1.83	HCUP	2000-2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	0.20	-1.00	MEPS	2006-2015
Children ages 2-17 who had a preventive dental service in the calendar year	0.13	-0.87	MEPS	2002-2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	0.68	-0.85	MEPS	2002-2015
Children ages 2-17 who had a dental visit in the calendar year	0.25	-0.84	MEPS	2002-2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	1.22	-0.29	MEPS	2002-2015
Disparities Between Poor and High-Income People Not Changing	Average Annual Change – Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-11.64	-10.25	HCUP	2005-2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-7.02	-8.47	HCUP	2000-2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-5.11	-6.27	NIS_TEEN	2008-2015
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-4.89	-6.09	NIS_TEEN	2008-2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-4.34	-5.42	NIS_TEEN	2008-2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-3.74	-4.60	HCUP	2000-2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-2.74	-3.00	NCDB	2005-2014
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-2.33	-2.52	HCUP	2000-2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-1.64	-2.03	HCUP	2000-2015
Adults ages 18 and over who received influenza vaccination	-1.65	-1.91	NHIS	2010-2015

Disparities Between Poor and High-Income People Not Changing	Average Annual Change – Reference	Average Annual Change - Comparison	Data Source	Data Years
Infants who received exclusive breastfeeding through 3 months	-2.62	-1.68	NIS	2009-2014
Adults who received a blood cholesterol measurement in the last 5 years	-0.96	-1.40	NHIS	1998-2014
Adults age 40 and over with diagnosed diabetes with blood pressure less than 130/80 mm Hg	-0.02	-1.32	NHANES	2002-2014
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-0.74	-1.32	NHIS	2010-2015
Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-0.95	-1.25	NCDB	2005-2013
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-1.14	-1.24	MEPS	2002-2015
Children ages 0-17 with a wellness checkup in the past 12 months	-0.94	-1.16	NHIS	2000-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-1.00	-1.15	MEPS	2002-2015
Children ages 3-5 who ever had their vision checked by a health provider	-0.73	-1.01	MEPS	2002-2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	-0.99	-0.96	NHIS	2005-2015
Adults with obesity who ever received advice from a health professional to exercise more	-0.33	-0.92	MEPS	2002-2015
Children ages 19-35 months who received 1 or more doses of varicella vaccine	-0.65	-0.85	NIS	2001-2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-0.66	-0.80	HCUP	2000-2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-0.51	-0.67	MEPS	2002-2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.03	-0.65	MEPS	2002-2015
Children who had their height and weight measured by a health provider within the past 2 years	-0.31	-0.60	MEPS	2002-2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-0.13	-0.60	MEPS	2002-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.07	-0.57	MEPS	2002-2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-0.48	-0.56	MEPS	2002-2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.38	-0.54	MEPS	2002-2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-0.14	-0.43	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-0.44	-0.42	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-0.26	-0.38	MEPS	2002-2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.07	-0.37	NSDUH	2008-2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-0.44	-0.37	HCUP	2000-2015

Disparities Between Poor and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adults age 65 and over who ever received pneumococcal vaccination	-0.54	-0.35	NHIS	2000-2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.13	-0.28	MEPS	2002-2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	-0.20	-0.28	NIS	2001-2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.33	-0.27	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-0.23	-0.26	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-0.24	-0.25	MEPS	2002-2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-0.10	-0.17	HCUP	2000-2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	0.11	-0.15	NIS	2001-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-0.17	-0.13	HCUP_PDI	2000-2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.06	-0.11	NIS	2001-2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	-0.08	-0.08	HCUP	2000-2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.10	-0.06	NHIS	1998-2014
Deaths per 1,000 hospital admissions with expected low mortality	-0.03	-0.03	HCUP	2000-2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	0.00	-0.01	HCUP_PDI	2000-2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	0.00	0.00	HCUP	2000-2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.07	0.01	NIS	2001-2015
Adults with a dental visit in the calendar year	0.10	0.03	MEPS	2002-2015
Adults who had a preventive dental service in the calendar year	0.22	0.12	MEPS	2002-2015
Women ages 50-74 who received a mammogram in the last 2 years	0.33	0.18	NHIS	2000-2015
Adolescents ages 12-19 with obesity	0.02	0.32	NHANES	2002-2014
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	0.10	0.51	MEPS	2002-2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	1.18	0.58	MEPS	2003-2015
Women ages 21-65 who received a Pap test in the last 3 years	0.34	0.63	NHIS	2000-2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	0.55	1.02	HCUP	2000-2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	0.42	1.41	HCUP	2000-2015
Emergency department encounters for asthma, adults	-6.80	4.75	HCUP_NEDS	2008-2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	8.23	6.79	HCUP	2000-2015

Disparities Between Poor and High-Income People Worsening	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Emergency department encounters for asthma, children ages 2-17	-6.72	35.50	HCUP_NEDS	2008-2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	9.54	15.48	HCUP_NEDS	2005-2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	6.83	13.14	HCUP	2005-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	0.88	4.26	HCUP	2000-2015
Hospitalizations and emergency department encounters for congestive heart failure	-10.44	1.39	HCUP_NEDS	2008-2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-1.39	-0.12	HCUP	2000-2015

Low-Income Households vs. High-Income Households

Disparities Between Low-Income and High-Income People Improving	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for congestive heart failure per 100,000 population	-12.53	-16.51	HCUP	2000-2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-8.43	-12.42	HCUP_PDI	2000-2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-2.53	-5.55	HCUP_PDI	2000-2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	-2.98	-5.14	HCUP	2000-2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-1.61	-2.85	HCUP	2000-2015
Children ages 2-17 who had a preventive dental service in the calendar year	0.13	-1.06	MEPS	2002-2015
Children ages 2-17 who had a dental visit in the calendar year	0.25	-0.95	MEPS	2002-2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	1.22	0.01	MEPS	2002-2015
Disparities Between Low-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-13.10	-14.36	HCUP	2000-2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-11.64	-12.17	HCUP	2005-2015
Emergency department encounters for asthma, children ages 2-17	-6.72	-10.27	HCUP_NEDS	2008-2015
Emergency department encounters for asthma, adults	-6.80	-8.89	HCUP_NEDS	2008-2015
Adolescents ages 16-17 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-7.48	-8.78	NIS_TEEN	2008-2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-7.02	-7.27	HCUP	2000-2015
Hospitalizations and emergency department encounters for congestive heart failure	-10.44	-6.89	HCUP_NEDS	2008-2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-5.11	-6.65	NIS_TEEN	2008-2015
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-4.89	-5.91	NIS_TEEN	2008-2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-4.34	-5.19	NIS_TEEN	2008-2015
Adolescent females ages 16-17 who received 3 or more doses of human papillomavirus (HPV) vaccine	-3.25	-4.15	NIS_TEEN	2008-2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-2.74	-3.09	NCDB	2005-2014
Children ages 6 months to 17 years who received influenza vaccination	-2.19	-2.75	NHIS	2010-2015

Disparities Between Low-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adolescent females ages 13-15 who received 3 or more doses of human papillomavirus (HPV) vaccine	-1.50	-2.56	NIS_TEEN	2008-2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-2.33	-2.43	HCUP	2000-2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-1.23	-1.87	HCUP_PDI	2000-2015
Adults ages 18 and over who received influenza vaccination	-1.65	-1.52	NHIS	2010-2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-1.39	-1.44	HCUP	2000-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-1.14	-1.40	MEPS	2002-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-1.00	-1.39	MEPS	2002-2015
Infants who received exclusive breastfeeding through 3 months	-2.62	-1.29	NIS	2009-2014
Adults who received a blood cholesterol measurement in the last 5 years	-0.96	-1.25	NHIS	1998-2014
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-0.39	-1.11	HCUP	2000-2015
Adults age 65 and over who received an influenza vaccination in the last 12 months	-0.99	-1.11	NHIS	2005-2015
Children ages 3-5 who ever had their vision checked by a health provider	-0.73	-1.09	MEPS	2002-2015
Children ages 0-17 with a wellness checkup in the past 12 months	-0.94	-1.07	NHIS	2000-2015
Women under age 70 treated for breast cancer with breast-conserving surgery who received radiation therapy to the breast within 1 year of diagnosis	-0.95	-0.94	NCDB	2005-2013
Children ages 19-35 months who received 1 or more doses of varicella vaccine	-0.65	-0.94	NIS	2001-2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-0.66	-0.83	HCUP	2000-2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.03	-0.80	MEPS	2002-2015
Adults with obesity who ever received advice from a health professional to exercise more	-0.33	-0.63	MEPS	2002-2015
Adults age 65 and over who ever received pneumococcal vaccination	-0.54	-0.62	NHIS	2000-2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	-0.51	-0.60	MEPS	2002-2015
Children who had their height and weight measured by a health provider within the past 2 years	-0.31	-0.58	MEPS	2002-2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-0.44	-0.57	HCUP	2000-2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.13	-0.54	MEPS	2002-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-0.17	-0.54	HCUP_PDI	2000-2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-0.14	-0.44	MEPS	2002-2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.38	-0.40	MEPS	2002-2015

Disparities Between Low-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.07	-0.39	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-0.44	-0.35	MEPS	2002-2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	-0.20	-0.34	NIS	2001-2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	0.20	-0.32	MEPS	2006-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-0.26	-0.27	MEPS	2002-2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-0.74	-0.23	NHIS	2010-2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	0.68	-0.22	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-0.23	-0.17	MEPS	2002-2015
Adults age 65 and over who received in the calendar year at least 1 of 11 prescription medications that should be avoided in older adults	-0.10	-0.16	MEPS	2002-2013
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.33	-0.16	MEPS	2002-2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-0.10	-0.15	HCUP	2000-2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.06	-0.15	NIS	2001-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-0.24	-0.14	MEPS	2002-2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	0.11	-0.13	NIS	2001-2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.10	-0.08	NHIS	1998-2014
Adults with a dental visit in the calendar year	0.10	-0.05	MEPS	2002-2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.07	-0.05	NIS	2001-2015
Deaths per 1,000 hospital admissions with expected low mortality	-0.03	-0.03	HCUP	2000-2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	0.00	-0.01	HCUP_PDI	2000-2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	0.00	0.00	HCUP	2000-2015
Adults who had a preventive dental service in the calendar year	0.22	0.14	MEPS	2002-2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	0.10	0.43	MEPS	2002-2015
Women ages 50-74 who received a mammogram in the last 2 years	0.33	0.43	NHIS	2000-2015
Women ages 21-65 who received a Pap test in the last 3 years	0.34	0.49	NHIS	2000-2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	0.42	0.55	HCUP	2000-2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	1.18	0.58	MEPS	2003-2015

Disparities Between Low-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	0.55	1.08	HCUP	2000-2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	8.23	7.07	HCUP	2000-2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	6.71	7.30	HCUP_PDI	2000-2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	9.54	11.35	HCUP_NEDS	2005-2015
Disparities Between Low-Income and High-Income People Worsening	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	6.83	10.92	HCUP	2005-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	0.88	2.35	HCUP	2000-2015

Middle-Income Households vs. High-Income Households

Disparities Between Middle-Income and High-Income People Improving				
None				
Disparities Between Middle-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital admissions for congestive heart failure per 100,000 population	-12.53	-13.22	HCUP	2000-2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-13.10	-12.41	HCUP	2000-2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-11.64	-11.85	HCUP	2005-2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-8.43	-10.08	HCUP_PDI	2000-2015
Adolescents ages 16-17 who received 1 or more doses of meningococcal conjugate vaccine	-5.11	-6.32	NIS_TEEN	2008-2015
Adolescents ages 13-15 who received 1 or more doses of tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis (Tdap) since the age of 10 years	-4.89	-5.54	NIS_TEEN	2008-2015
Adolescents ages 13-15 who received 1 or more doses of meningococcal conjugate vaccine	-4.34	-5.36	NIS_TEEN	2008-2015
Emergency department encounters for asthma, adults	-6.80	-5.08	HCUP_NEDS	2008-2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-2.53	-3.91	HCUP_PDI	2000-2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	-2.74	-2.91	NCDB	2005-2014
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-2.33	-2.48	HCUP	2000-2015
Infants who received exclusive breastfeeding through 3 months	-2.62	-2.46	NIS	2009-2014
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-1.61	-2.24	HCUP	2000-2015
Children ages 6 months to 17 years who received influenza vaccination	-2.19	-2.05	NHIS	2010-2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-1.23	-1.59	HCUP_PDI	2000-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	-1.14	-1.44	MEPS	2002-2015
Children ages 3-5 who ever had their vision checked by a health provider	-0.73	-1.34	MEPS	2002-2015

Disparities Between Middle-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adults ages 18 and over who received influenza vaccination	-1.65	-1.31	NHIS	2010-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	-1.00	-1.13	MEPS	2002-2015
Adults who received a blood cholesterol measurement in the last 5 years	-0.96	-1.12	NHIS	1998-2014
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-1.39	-1.03	HCUP	2000-2015
Children ages 0-17 with a wellness checkup in the past 12 months	-0.94	-0.89	NHIS	2000-2015
Children ages 19-35 months who received 1 or more doses of varicella vaccine	-0.65	-0.79	NIS	2001-2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-0.66	-0.74	HCUP	2000-2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-0.39	-0.62	HCUP	2000-2015
Children who had their height and weight measured by a health provider within the past 2 years	-0.31	-0.57	MEPS	2002-2015
Adults with obesity who ever received advice from a health professional to exercise more	-0.33	-0.57	MEPS	2002-2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	-0.48	-0.54	MEPS	2002-2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-0.38	-0.52	MEPS	2002-2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.07	-0.47	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-0.44	-0.47	MEPS	2002-2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	-0.44	-0.44	HCUP	2000-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	-0.17	-0.33	HCUP_PDI	2000-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-0.26	-0.33	MEPS	2002-2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-0.33	-0.32	MEPS	2002-2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-0.03	-0.29	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-0.24	-0.28	MEPS	2002-2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	-0.23	-0.27	MEPS	2002-2015
Children ages 2-17 who had a preventive dental service in the calendar year	0.13	-0.26	MEPS	2002-2015
Children ages 2-17 who had a dental visit in the calendar year	0.25	-0.25	MEPS	2002-2015
Children ages 19-35 months who received 3 or more doses of polio vaccine	-0.20	-0.23	NIS	2001-2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.07	-0.20	NSDUH	2008-2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-0.10	-0.15	HCUP	2000-2015

Disparities Between Middle-Income and High-Income People Not Changing	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	-0.10	-0.12	NHIS	1998-2014
Deaths per 1,000 hospital admissions with expected low mortality	-0.03	-0.03	HCUP	2000-2015
Children ages 19-35 months who received 4 or more doses of diphtheria-tetanus-pertussis vaccine	-0.06	-0.02	NIS	2001-2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	0.00	-0.01	HCUP_PDI	2000-2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-0.74	0.00	NHIS	2010-2015
Children ages 19-35 months who received 3 or more doses of hepatitis B vaccine	0.11	0.04	NIS	2001-2015
Emergency department encounters for asthma, children ages 2-17	-6.72	0.04	HCUP_NEDS	2008-2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-0.13	0.08	MEPS	2002-2015
Children ages 19-35 months who received 1 or more doses of measles-mumps-rubella vaccine	0.07	0.12	NIS	2001-2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	0.20	0.14	MEPS	2006-2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	0.68	0.19	MEPS	2002-2015
Adults with a dental visit in the calendar year	0.10	0.20	MEPS	2002-2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	0.44	0.20	MEPS	2002-2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	1.22	0.27	MEPS	2002-2015
Adults who had a preventive dental service in the calendar year	0.22	0.31	MEPS	2002-2015
Women ages 50-74 who received a mammogram in the last 2 years	0.33	0.40	NHIS	2000-2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	0.10	0.44	MEPS	2002-2015
Women ages 21-65 who received a Pap test in the last 3 years	0.34	0.47	NHIS	2000-2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	0.42	0.61	HCUP	2000-2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	0.55	0.97	HCUP	2000-2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	0.88	1.70	HCUP	2000-2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	9.54	10.60	HCUP_NEDS	2005-2015
Disparities Between Middle-Income and High-Income People Worsening	Average Annual Change - Reference	Average Annual Change - Comparison	Data Source	Data Years
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	6.83	8.87	HCUP	2005-2015

Measures Included in Figure 29: Number and Percentage of Quality Measures for Which Insurance Groups Experienced Better, Same, or Worse Quality of Care Compared With Reference Group (Privately Insured), 2014-2015

Publicly Insured vs. Privately Insured

Measures for Publicly Insured People Better Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-53.68	-27.70	HCUP_QR	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-37.68	-13.50	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	-36.62	-9.99	HCUP_QR	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-34.77	-5.19	NHIS	2014
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-27.30	-8.36	MEPS	2015
Deaths per 1,000 adult hospital admissions with pneumonia	-23.11	-5.19	HCUP_QR	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-22.75	-4.12	MEPS	2015
Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	-10.59	-5.37	NHIS	2015
Measures for Publicly Insured People Same as Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	37.93	1.26	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	19.46	1.53	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	16.35	0.85	MEPS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	16.29	1.61	MEPS	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	12.85	1.74	MEPS	2015
Adults who received a blood cholesterol measurement in the last 5 years	11.94	1.79	NHIS	2014
Children ages 0-17 with a wellness checkup in the past 12 months	10.07	1.63	NHIS	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	9.50	6.86	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	5.76	2.20	HCUP_QR	2015
Adults ages 18 and over who received influenza vaccination	5.50	2.04	NHIS	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	4.44	0.41	MEPS	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	2.67	0.55	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	1.75	0.89	HCUP_QR	2015
Children ages 6 months to 17 years who received influenza vaccination	1.75	0.39	NHIS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	1.42	0.27	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	1.17	0.33	MEPS	2015

Measures for Publicly Insured People Same as Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	0.00	0.00	HCUP_QR	2015
Children ages 3-5 who ever had their vision checked by a health provider	-0.97	-0.08	MEPS	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-1.16	-0.24	MEPS	2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	-1.18	-0.20	NHIS	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-1.30	-0.35	HCUP_QR	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-1.46	-0.40	MEPS	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-3.35	-0.38	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	-4.02	-1.28	MEPS	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	-4.97	-1.13	MEPS	2015
Birth trauma - injury to neonate per 1,000 selected live births	-5.26	-0.71	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-6.00	-2.89	HCUP_QR	2015
Adults with obesity who ever received advice from a health professional to exercise more	-7.10	-1.21	MEPS	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-7.55	-1.72	MEPS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-8.00	-0.94	HCUP_QR	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-8.23	-0.81	HCUP_QR	2015
Adults with limited English proficiency who had a usual source of care	-8.98	-0.77	MEPS	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-11.35	-1.13	MEPS	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	-17.16	-1.51	MEPS	2015
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	-17.54	-0.76	MEPS	2015
Measures for Publicly Insured People Worse Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	166.67	7.07	HCUP_QR	2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	142.65	6.20	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	127.27	5.36	MEPS	2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	98.04	7.18	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	83.33	4.70	MEPS	2015
Deaths per 1,000 hospital admissions with expected low mortality	80.00	7.07	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	77.36	4.32	MEPS	2015

Measures for Publicly Insured People Worse Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	74.26	5.08	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	62.64	4.72	MEPS	2015
Women ages 50-74 who received a mammogram in the last 2 years	61.21	5.88	NHIS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	58.40	10.88	HCUP_QR	2015
Children who had their height and weight measured by a health provider within the past 2 years	56.25	3.46	MEPS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	46.23	11.80	HCUP_QR	2015
Women ages 21-65 who received a Pap test in the last 3 years	46.21	4.99	NHIS	2015
Infants who received exclusive breastfeeding through 3 months	45.83	10.84	NIS	2014
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	41.72	7.04	HCUP_QR	2015
Adults with a dental visit in the calendar year	38.82	17.54	MEPS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	38.81	9.19	HCUP_QR	2015
Adults who had a preventive dental service in the calendar year	37.50	14.78	MEPS	2015
Children ages 2-17 who had a dental visit in the calendar year	32.99	6.34	MEPS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	29.50	3.60	MEPS	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	23.76	6.66	HCUP_QR	2015
Children ages 2-17 who had a preventive dental service in the calendar year	21.90	5.00	MEPS	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	19.89	3.24	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	19.67	2.06	NHIS	2014
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	15.28	6.47	HCUP_QR	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	11.89	2.33	MEPS	2015

Uninsured vs. Privately Insured

Measures for Uninsured People Better Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-38.92	-6.50	MEPS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-28.36	-4.25	HCUP_QR	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	-27.27	-4.70	HCUP_QR	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-25.58	-3.80	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	-24.88	-4.39	HCUP_QR	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-22.28	-3.84	HCUP_QR	2015

Measures for Uninsured People Better Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	-21.05	-6.59	HCUP_QR	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-13.42	-2.45	HCUP_QR	2015
Measures for Uninsured People Same as Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	50.00	1.34	HCUP_QR	2015
Deaths per 1,000 hospital admissions with expected low mortality	48.00	1.90	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	23.70	1.86	MEPS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	17.60	1.65	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	10.95	0.66	MEPS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	9.90	0.42	HCUP_QR	2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	8.00	0.89	NCDB	2014
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	6.74	0.98	MEPS	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	6.25	0.64	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	6.08	1.19	MEPS	2014
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	5.94	2.64	HCUP_QR	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	4.64	0.36	HCUP_QR	2015
Birth trauma - injury to neonate per 1,000 selected live births	0.00	0.00	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-6.25	-2.56	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with pneumonia	-7.55	-0.95	HCUP_QR	2015
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	-22.81	-0.89	MEPS	2015
Measures for Uninsured People Worse Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	472.06	15.15	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	280.33	18.02	NHIS	2014
Children who had their height and weight measured by a health provider within the past 2 years	241.67	3.94	MEPS	2015
Children ages 0-17 with a wellness checkup in the past 12 months	240.29	11.74	NHIS	2015
Women ages 50-74 who received a mammogram in the last 2 years	178.45	11.68	NHIS	2015
Women ages 21-65 who received a Pap test in the last 3 years	171.72	12.50	NHIS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	154.55	4.45	MEPS	2015
Adults who received a blood cholesterol measurement in the last 5 years	150.00	18.66	NHIS	2014

Measures for Uninsured People Worse Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	121.98	3.04	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	117.50	3.96	MEPS	2014
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	105.88	4.79	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	104.40	4.40	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	92.45	3.20	MEPS	2015
Adults with limited English proficiency who had a usual source of care	90.09	8.54	MEPS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	84.62	8.66	MEPS	2015
Children ages 2-17 who had a dental visit in the calendar year	84.52	7.52	MEPS	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	76.67	11.68	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	70.00	3.07	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	65.15	2.61	MEPS	2015
Children ages 2-17 who had a preventive dental service in the calendar year	64.88	7.35	MEPS	2015
Adults ages 18-64 at high risk (e.g., COPD) who received an influenza vaccination in the last 12 months	64.69	11.37	NHIS	2015
Adults who had a preventive dental service in the calendar year	61.01	27.16	MEPS	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	58.23	3.78	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	55.91	11.52	HCUP_QR	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	52.32	6.20	NHIS	2014
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	52.24	3.35	MEPS	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	51.23	6.24	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	50.81	3.01	MEPS	2015
Adults with a dental visit in the calendar year	50.66	25.58	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	48.01	3.76	MEPS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	47.48	2.86	MEPS	2015
Adults ages 18 and over who received influenza vaccination	46.05	20.55	NHIS	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	42.84	11.20	HCUP_QR	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	38.79	4.53	MEPS	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	38.72	8.97	MEPS	2015
Infants who received exclusive breastfeeding through 3 months	33.18	3.65	NIS	2014

Measures for Uninsured People Worse Than Privately Insured People	Relative Difference	Z Score	Data Source	Data Year
Adults with obesity who ever received advice from a health professional to exercise more	33.06	4.29	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	26.18	3.63	MEPS	2015
Children ages 6 months to 17 years who received influenza vaccination	25.00	3.39	NHIS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	20.98	2.70	HCUP_QR	2015
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	20.00	3.13	NCDB	2014
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	17.89	3.52	MEPS	2015
Adults ages 18-64 at high risk (e.g., COPD) who ever received pneumococcal vaccination	15.25	8.18	NHIS	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	14.35	1.97	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	12.08	2.04	HCUP_QR	2015

Measures Included in Figure 30: Number and Percentage of Quality and Access Measures for Which Members of Selected Groups Experienced Better, Same, or Worse Quality of Care Compared With Reference Group (Large Fringe Metro) in 2014-2016, by Geographic Location

Large Central Metropolitan vs. Large Fringe Metropolitan

Measures for Large Central Metro Better Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-17.52	-2.52	HCUP_QR	2015
Suicide deaths among people age 12 and over per 100,000 population	-10.49	-10.60	NVSS_M	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-10.23	-3.89	HCUP_QR	2015
Measures for Large Central Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Emergency department encounters for asthma, children ages 2-17	37.07	1.54	HCUP_NEDS	2015
People in fair or poor health with a specific source of ongoing care	30.95	1.27	NHIS	2016
Children who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	28.89	0.97	MEPS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	22.92	1.94	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	20.00	1.39	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	20.00	1.41	MEPS	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	19.15	1.59	MEPS	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	19.14	1.82	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	19.00	0.93	MEPS	2015
Emergency department encounters for asthma, adults	18.22	1.58	HCUP_NEDS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	17.99	0.70	HCUP_QR	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	17.89	1.50	HCUP_NEDS	2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	17.88	1.35	MEPS	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	17.07	1.28	HCUP_QR	2015
Hospitalizations and emergency department encounters for congestive heart failure	16.34	1.64	HCUP_NEDS	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	15.50	1.88	MEPS	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	14.25	1.00	HCUP_NEDS	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	14.16	1.19	HCUP_QR	2015

Measures for Large Central Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	13.31	1.22	MEPS	2015
Children ages 2-17 who had a dental visit in the calendar year	12.87	1.87	MEPS	2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	11.88	1.11	MEPS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	11.80	1.40	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	10.51	1.49	MEPS	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	10.14	1.28	NHIS	2014
Women ages 50-74 who received a mammogram in the last 2 years	8.40	0.95	NHIS	2015
Live-born infants with low birth weight (less than 2,500 g)	7.79	21.21	NVSS_N	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	7.69	0.51	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	7.55	0.71	MEPS	2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	7.37	0.45	MEPS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	6.98	0.72	HCUP_QR	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	6.49	6.13	HCUP_QR	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	6.25	0.71	HCUP_QR	2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	6.24	0.32	HCUP_QR	2015
Colorectal cancer deaths per 100,000 population per year	6.02	5.66	NVSS_M	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	5.92	0.68	HCUP_QR	2015
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	5.88	3.54	NVSS_L	2014
Breast cancer deaths per 100,000 female population per year	5.05	3.54	NVSS_M	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	5.00	0.47	MEPS	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	4.98	0.27	HCUP_QR	2015
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	4.90	1.05	MEPS	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	4.87	0.49	HCUP_QR	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	4.36	0.39	MEPS	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	3.58	2.40	HCUP_QR	2015
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	3.23	0.24	MEPS	2015

Measures for Large Central Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	3.06	0.32	MEPS	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	2.99	0.56	MEPS	2015
Adults with obesity who ever received advice from a health professional to exercise more	2.92	0.44	MEPS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	2.88	1.41	HCUP_QR	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	2.81	0.22	HCUP_NEDS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	2.75	0.73	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with pneumonia	2.58	0.94	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	2.58	0.19	MEPS	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	2.56	0.53	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	2.35	0.65	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	1.41	0.28	MEPS	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	1.27	0.15	HCUP_QR	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	0.83	0.09	MEPS	2015
Hospital admissions for congestive heart failure per 100,000 population	0.81	0.10	HCUP_QR	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	0.68	0.09	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	0.67	0.13	MEPS	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	0.54	0.29	NSDUH	2015
Children ages 3-5 who ever had their vision checked by a health provider	0.34	0.02	MEPS	2015
Birth trauma - injury to neonate per 1,000 selected live births	0.00	0.00	HCUP_QR	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	0.00	0.00	HCUP_QR	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-0.71	-0.21	NSDUH	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	-1.57	-0.10	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-1.78	-0.39	HCUP_QR	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-1.81	-0.39	MEPS	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-1.86	-0.24	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	-2.03	-0.71	HCUP_QR	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-2.76	-0.88	HCUP_QR	2015

Measures for Large Central Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who received a blood cholesterol measurement in the last 5 years	-3.10	-0.46	NHIS	2014
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	-3.17	-1.53	HCUP_QR	2015
Adults with limited English proficiency who had a usual source of care	-3.62	-0.31	MEPS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-4.05	-1.34	HCUP_QR	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	-4.43	-1.24	HCUP_QR	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-4.52	-0.81	MEPS	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-4.76	-1.65	HCUP_QR	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-5.25	-0.58	NSDUH	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	-5.61	-3.40	HCUP_QR	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	-5.62	-1.08	HCUP_QR	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-6.06	-0.74	MEPS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	-6.42	-0.65	MEPS	2015
Emergency department visits with a principal diagnosis related to dental conditions	-6.68	-0.71	HCUP_NEDS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	-7.32	-0.60	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-7.80	-0.80	MEPS	2015
Lung cancer deaths per 100,000 population per year	-7.81	-10.60	NVSS_M	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-7.83	-0.99	HCUP_QR	2015
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	-8.42	-0.44	MEPS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-8.56	-3.77	HCUP_QR	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-13.35	-1.29	MEPS	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-13.45	-1.51	HCUP_QR	2015
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	-50.35	-1.76	MEPS	2015
Measures for Large Central Metro Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
HIV infection deaths per 100,000 population	138.46	17.65	NVSS_M	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	72.47	2.60	HCUP_QR	2015

Measures for Large Central Metro Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	57.14	3.47	MEPS	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	47.59	3.14	HCUP_NEDS	2015
Children who had their height and weight measured by a health provider within the past 2 years	43.48	2.17	MEPS	2015
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	40.38	2.10	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	38.24	4.60	NHIS	2014
People with a specific source of ongoing care	35.29	5.09	NHIS	2016
Women ages 21-65 who received a Pap test in the last 3 years	33.33	3.79	NHIS	2015
Deaths per 1,000 hospital admissions with expected low mortality	32.00	2.83	HCUP_QR	2015
Adults age 65 and over with any private health insurance	31.93	8.27	NHIS	2016
People under age 65 with any private health insurance	29.89	7.62	NHIS	2016
People under age 65 who were uninsured all year	28.24	2.83	MEPS	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	27.95	2.62	HCUP_QR	2015
People with a usual primary care provider	25.33	5.36	MEPS	2015
People under age 65 with any period of uninsurance during the year	23.12	3.36	MEPS	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	23.04	2.42	HCUP_QR	2015
Children ages 0-17 with a wellness checkup in the past 12 months	19.42	2.24	NHIS	2015
People under age 65 with health insurance	18.60	2.83	NHIS	2016
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	16.54	1.98	MEPS	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	15.92	2.57	HCUP_QR	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	14.45	2.08	MEPS	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	14.18	2.07	NSDUH	2015
Adults who had a preventive dental service in the calendar year	13.19	4.30	MEPS	2015
Children ages 2-17 who had a preventive dental service in the calendar year	11.95	2.12	MEPS	2015
Adults with a dental visit in the calendar year	10.75	4.01	MEPS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	10.20	3.54	HCUP_QR	2015

Medium Metropolitan vs. Large Fringe Metropolitan

Measures for Medium Metro Better Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-27.15	-2.90	HCUP_QR	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-21.83	-2.79	HCUP_QR	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	-13.92	-3.44	HCUP_QR	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-10.30	-2.66	NSDUH	2015
Measures for Medium Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	32.63	1.57	MEPS	2015
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	29.03	1.80	MEPS	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	25.95	1.54	HCUP_NEDS	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	24.89	1.12	MEPS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	19.67	0.79	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	19.64	1.03	MEPS	2015
Children who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	17.78	0.49	MEPS	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	17.73	1.52	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	17.65	1.87	NHIS	2014
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	16.76	1.83	MEPS	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	15.18	1.18	HCUP_NEDS	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	15.05	1.26	HCUP_NEDS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	14.58	1.16	HCUP_QR	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	14.01	1.64	MEPS	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	13.66	1.17	HCUP_QR	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	12.50	1.00	MEPS	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	12.03	1.82	NSDUH	2015
Emergency department encounters for asthma, adults	10.64	0.94	HCUP_NEDS	2015

Measures for Medium Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	10.00	0.58	MEPS	2015
Women ages 50-74 who received a mammogram in the last 2 years	10.00	1.04	NHIS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	10.00	0.65	MEPS	2015
People in fair or poor health with a specific source of ongoing care	9.52	0.43	NHIS	2016
Emergency department encounters for asthma, children ages 2-17	9.47	0.42	HCUP_NEDS	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	8.53	0.81	MEPS	2015
Adults with limited English proficiency who had a usual source of care	8.01	0.49	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	7.99	0.59	MEPS	2015
People with a specific source of ongoing care	7.84	1.13	NHIS	2016
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	7.81	0.90	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	7.56	1.90	HCUP_QR	2015
Adults age 65 and over with any private health insurance	7.14	1.71	NHIS	2016
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	6.61	3.90	HCUP_QR	2015
Lung cancer deaths per 100,000 population per year	6.51	8.84	NVSS_M	2015
Live-born infants with low birth weight (less than 2,500 g)	6.49	17.68	NVSS_N	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	5.66	0.47	MEPS	2015
People under age 65 with any period of uninsurance during the year	5.38	0.58	MEPS	2015
Adults with obesity who ever received advice from a health professional to exercise more	5.26	0.74	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	5.02	2.53	HCUP_QR	2015
Hospitalizations and emergency department encounters for congestive heart failure	4.45	0.41	HCUP_NEDS	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	4.08	1.20	HCUP_QR	2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	3.96	0.31	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	3.64	0.65	MEPS	2015
People with a usual primary care provider	2.67	0.42	MEPS	2015
People under age 65 who were uninsured all year	2.35	0.18	MEPS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	2.32	0.91	HCUP_QR	2015
Colorectal cancer deaths per 100,000 population per year	2.26	2.12	NVSS_M	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	2.23	0.35	HCUP_QR	2015
Adults with limited English proficiency and usual source of care (USC) whose USC had language assistance	2.10	0.05	MEPS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	1.36	0.40	HCUP_QR	2015
Adults who had a preventive dental service in the calendar year	1.25	0.34	MEPS	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	1.10	0.31	HCUP_QR	2015

Measures for Medium Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	1.07	0.21	MEPS	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	1.05	0.08	HCUP_NEDS	2015
Breast cancer deaths per 100,000 female population per year	1.01	0.71	NVSS_M	2015
Children ages 0-17 with a wellness checkup in the past 12 months	0.72	0.08	NHIS	2015
Adults with a dental visit in the calendar year	0.62	0.19	MEPS	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	0.49	0.22	HCUP_QR	2015
Birth trauma - injury to neonate per 1,000 selected live births	0.00	0.00	HCUP_QR	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-0.29	-0.03	NSDUH	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.67	-0.10	MEPS	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-0.71	-0.11	MEPS	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-1.19	-0.60	NSDUH	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	-1.20	-0.14	MEPS	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-1.27	-0.20	MEPS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	-1.51	-0.15	HCUP_QR	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-1.74	-0.14	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	-1.83	-0.37	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-1.94	-0.42	HCUP_QR	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	-2.36	-0.14	MEPS	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	-3.26	-1.09	HCUP_QR	2015
Children ages 2-17 who had a dental visit in the calendar year	-3.39	-0.45	MEPS	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-4.12	-3.58	HCUP_QR	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-4.45	-0.35	MEPS	2015
Children ages 2-17 who had a preventive dental service in the calendar year	-4.55	-0.67	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-5.77	-0.35	MEPS	2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	-5.96	-0.31	MEPS	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	-6.67	-0.78	MEPS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-6.76	-1.77	HCUP_QR	2015

Measures for Medium Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-7.14	-0.66	MEPS	2015
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	-7.37	-0.29	MEPS	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-7.40	-0.38	HCUP_QR	2015
Children ages 3-5 who ever had their vision checked by a health provider	-8.47	-0.62	MEPS	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-8.74	-1.07	NHIS	2014
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	-8.83	-1.10	HCUP_QR	2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	-9.05	-0.47	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-9.27	-0.75	MEPS	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-9.34	-1.39	MEPS	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	-10.52	-1.24	HCUP_QR	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	-10.72	-1.29	HCUP_QR	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	-10.79	-0.63	HCUP_QR	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-10.89	-1.25	HCUP_QR	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-12.11	-1.22	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	-12.26	-0.80	MEPS	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-12.50	-1.41	HCUP_QR	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	-13.42	-1.26	MEPS	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	-14.16	-1.26	HCUP_QR	2015
Hospital admissions for congestive heart failure per 100,000 population	-14.94	-1.81	HCUP_QR	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-15.03	-1.52	HCUP_QR	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-17.07	-1.64	HCUP_QR	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-17.39	-1.80	MEPS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-17.94	-1.82	HCUP_QR	2015
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	-21.15	-1.19	MEPS	2015
Measures for Medium Metro Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Children who had their height and weight measured by a health provider within the past 2 years	56.52	1.99	MEPS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	56.10	4.07	HCUP_QR	2015
HIV infection deaths per 100,000 population	30.77	3.92	NVSS_M	2015
People under age 65 with any private health insurance	28.41	6.01	NHIS	2016

Measures for Medium Metro Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who received a blood cholesterol measurement in the last 5 years	25.58	2.70	NHIS	2014
Suicide deaths among people age 12 and over per 100,000 population	25.17	16.10	NVSS_M	2015
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	24.41	2.15	MEPS	2015
Deaths per 1,000 hospital admissions with expected low mortality	24.00	2.12	HCUP_QR	2015
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	23.53	3.92	NVSS_L	2014
Women ages 21-65 who received a Pap test in the last 3 years	22.22	2.18	NHIS	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	19.48	5.30	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	17.31	8.49	HCUP_QR	2015
People under age 65 with health insurance	16.28	2.19	NHIS	2016
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	14.61	2.82	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with pneumonia	12.90	4.00	HCUP_QR	2015
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	10.73	2.06	MEPS	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	10.14	3.54	HCUP_QR	2015

Small Metropolitan vs. Large Fringe Metropolitan

Measures for Small Metro Better Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	-37.01	-2.06	MEPS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	-31.52	-2.08	MEPS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-26.09	-2.47	MEPS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-22.97	-4.71	HCUP_QR	2015
Children ages 2-17 who had a preventive dental service in the calendar year	-17.46	-2.82	MEPS	2015
Children ages 2-17 who had a dental visit in the calendar year	-16.03	-2.17	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-10.77	-2.09	HCUP_QR	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-10.11	-6.95	HCUP_QR	2015
Measures for Small Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	30.54	1.18	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	29.27	1.66	HCUP_QR	2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	27.37	1.12	MEPS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	22.92	1.91	HCUP_QR	2015

Measures for Small Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	22.82	1.33	HCUP_QR	2015
Children ages 3-5 who ever had their vision checked by a health provider	22.71	0.82	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	21.02	1.60	MEPS	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	20.10	1.09	HCUP_NEDS	2015
Hospitalizations and emergency department encounters for congestive heart failure	19.45	1.39	HCUP_NEDS	2015
Children who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	17.89	0.51	MEPS	2015
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	16.84	1.51	HCUP_QR	2015
Women ages 21-65 who received a Pap test in the last 3 years	14.38	1.28	NHIS	2015
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	14.17	1.06	MEPS	2015
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	14.12	1.96	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	13.94	1.81	MEPS	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	13.51	0.89	HCUP_NEDS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	13.33	0.81	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	13.24	1.12	NHIS	2014
People in fair or poor health with a specific source of ongoing care	13.10	0.52	NHIS	2016
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	12.90	0.60	MEPS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	12.50	0.79	HCUP_QR	2015
Emergency department encounters for asthma, adults	11.97	0.83	HCUP_NEDS	2015
Women ages 50-74 who received a mammogram in the last 2 years	11.20	0.83	NHIS	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	11.05	0.69	MEPS	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	10.93	1.00	HCUP_QR	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	10.91	0.80	MEPS	2015
Adults with obesity who ever received advice from a health professional to exercise more	9.94	0.85	MEPS	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	9.42	0.65	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	9.08	2.14	HCUP_QR	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	9.08	0.84	MEPS	2015
Children who had their height and weight measured by a health provider within the past 2 years	8.70	0.29	MEPS	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	8.22	0.43	HCUP_QR	2015

Measures for Small Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	7.80	0.46	MEPS	2015
HIV infection deaths per 100,000 population	7.69	0.98	NVSS_M	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	7.44	1.98	HCUP_QR	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	7.36	0.84	NSDUH	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	7.18	0.48	HCUP_NEDS	2015
People under age 65 with any period of uninsurance during the year	6.99	0.61	MEPS	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	6.94	0.62	MEPS	2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	6.64	0.37	HCUP_QR	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	6.12	1.54	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	5.36	0.28	MEPS	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	4.24	0.40	HCUP_QR	2015
Live-born infants with low birth weight (less than 2,500 g)	3.90	10.61	NVSS_N	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	3.65	0.38	MEPS	2015
People under age 65 who were uninsured all year	3.53	0.22	MEPS	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	3.21	1.56	HCUP_QR	2015
Breast cancer deaths per 100,000 female population per year	2.02	1.11	NVSS_M	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	1.77	0.12	HCUP_QR	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	0.68	0.17	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	0.49	0.18	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	0.00	0.00	MEPS	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	-0.13	-0.03	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	-0.50	-0.07	MEPS	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-0.65	-0.25	NSDUH	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-1.62	-0.16	HCUP_QR	2015
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-1.67	-0.71	NCDB	2014
Hospital admissions for congestive heart failure per 100,000 population	-2.47	-0.25	HCUP_QR	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	-2.50	-0.17	MEPS	2015

Measures for Small Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	-2.56	-0.35	MEPS	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-2.67	-0.90	HCUP_QR	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-2.93	-0.25	HCUP_QR	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	-3.10	-0.28	MEPS	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	-3.13	-0.27	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	-3.55	-0.21	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	-3.77	-0.20	MEPS	2015
Adults who had a preventive dental service in the calendar year	-3.92	-0.96	MEPS	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-4.14	-0.89	NSDUH	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	-4.16	-0.59	HCUP_QR	2015
Adults with a dental visit in the calendar year	-4.36	-1.19	MEPS	2015
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	-4.95	-0.37	MEPS	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-5.06	-0.62	MEPS	2015
Birth trauma - injury to neonate per 1,000 selected live births	-5.26	-0.45	HCUP_QR	2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	-5.30	-0.24	MEPS	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	-5.69	-0.45	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	-5.81	-0.34	MEPS	2015
Adults age 65 and over with any private health insurance	-6.93	-1.29	NHIS	2016
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	-6.96	-1.53	HCUP_QR	2015
Emergency department encounters for asthma, children ages 2-17	-7.15	-0.34	HCUP_NEDS	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-7.58	-0.72	NSDUH	2015
People with a usual primary care provider	-8.00	-1.01	MEPS	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-9.39	-2.36	HCUP_QR	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	-11.46	-1.24	HCUP_QR	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	-12.07	-0.83	HCUP_NEDS	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	-12.50	-0.89	HCUP_QR	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	-15.36	-1.81	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-15.61	-1.10	MEPS	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	-17.13	-1.81	NHIS	2014
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-18.33	-1.69	HCUP_QR	2015

Measures for Small Metro Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-18.37	-1.49	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	-20.36	-0.87	MEPS	2015
Adults with limited English proficiency who had a usual source of care	-21.19	-1.38	MEPS	2015
Children who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	-24.49	-0.94	MEPS	2014
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-28.85	-1.63	MEPS	2015
Measures for Small Metro Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Deaths per 1,000 hospital admissions with expected low mortality	80.00	5.55	HCUP_QR	2015
People under age 65 with any private health insurance	43.17	6.54	NHIS	2016
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	41.18	6.86	NVSS_L	2014
People under age 65 with health insurance	34.88	3.35	NHIS	2016
Suicide deaths among people age 12 and over per 100,000 population	33.57	15.18	NVSS_M	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	31.68	2.19	HCUP_QR	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	29.22	2.31	HCUP_QR	2015
Children ages 0-17 with a wellness checkup in the past 12 months	27.34	2.28	NHIS	2015
People with a specific source of ongoing care	24.51	2.43	NHIS	2016
Adults who received a blood cholesterol measurement in the last 5 years	24.03	2.23	NHIS	2014
Deaths per 1,000 adult hospital admissions with pneumonia	18.06	4.80	HCUP_QR	2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	17.28	3.88	NCDB	2014
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	16.03	2.50	MEPS	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	14.29	3.89	HCUP_QR	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	14.04	2.14	HCUP_QR	2015
Lung cancer deaths per 100,000 population per year	13.28	14.14	NVSS_M	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	12.16	3.60	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	12.09	4.75	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	11.06	4.60	HCUP_QR	2015
Colorectal cancer deaths per 100,000 population per year	10.53	6.26	NVSS_M	2015

Micropolitan vs. Large Fringe Metropolitan

Measures for Micropolitan Better Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	-46.36	-3.09	MEPS	2015
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-22.97	-6.01	HCUP_QR	2015
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-15.00	-4.02	NCDB	2014
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-14.36	-4.06	HCUP_QR	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-13.93	-2.70	HCUP_QR	2015
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-11.74	-8.69	HCUP_QR	2015
Measures for Micropolitan Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	66.07	1.92	MEPS	2015
Children who had their height and weight measured by a health provider within the past 2 years	60.87	1.38	MEPS	2015
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	42.11	1.86	MEPS	2015
Adults who received a blood pressure measurement in the last 2 years and can state whether their blood pressure was normal or high	27.94	1.93	NHIS	2014
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	25.74	1.29	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	25.74	1.38	MEPS	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	25.00	1.79	HCUP_QR	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	23.24	1.58	HCUP_QR	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	21.28	1.00	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	20.00	0.98	MEPS	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	20.00	1.37	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	18.87	1.24	MEPS	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	18.31	1.91	NSDUH	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	17.81	1.76	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	16.00	0.72	MEPS	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	14.31	1.57	MEPS	2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	13.68	0.82	HCUP_QR	2015

Measures for Micropolitan Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Children ages 2-17 who had a dental visit in the calendar year	12.19	1.41	MEPS	2015
Deaths per 1,000 hospital admissions with expected low mortality	12.00	0.83	HCUP_QR	2015
People with a specific source of ongoing care	11.76	1.27	NHIS	2016
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	11.56	0.95	MEPS	2015
People under age 65 who were uninsured all year	10.59	0.72	MEPS	2015
People unable to get or delayed in getting needed dental care due to financial or insurance reasons	10.54	1.43	MEPS	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	10.43	0.74	HCUP_NEDS	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	10.30	0.90	MEPS	2015
Children ages 2-17 who had a preventive dental service in the calendar year	10.06	1.33	MEPS	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	9.10	1.20	HCUP_QR	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	8.94	0.82	HCUP_QR	2015
People in fair or poor health with a specific source of ongoing care	7.14	0.31	NHIS	2016
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	7.11	0.92	HCUP_QR	2015
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	6.77	0.37	MEPS	2015
Adults with chronic joint symptoms who have ever seen a doctor or other health professional for joint symptoms	6.64	0.70	NHIS	2014
Adults who had a preventive dental service in the calendar year	6.60	1.57	MEPS	2015
Live-born infants with low birth weight (less than 2,500 g)	6.49	17.68	NVSS_N	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	6.33	2.58	HCUP_QR	2015
Breast cancer deaths per 100,000 female population per year	6.06	3.33	NVSS_M	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	5.77	0.28	MEPS	2015
Adults with a dental visit in the calendar year	5.61	1.53	MEPS	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	5.57	0.59	HCUP_QR	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	5.56	0.73	MEPS	2015
People under age 65 with any period of uninsurance during the year	5.38	0.53	MEPS	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	4.08	1.03	HCUP_QR	2015
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	3.94	0.15	MEPS	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	3.66	1.50	HCUP_QR	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	3.26	0.87	HCUP_QR	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	1.18	0.30	NSDUH	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	1.00	0.22	HCUP_QR	2015

Measures for Micropolitan Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	0.73	0.37	HCUP_QR	2015
HIV infection deaths per 100,000 population	0.00	0.00	NVSS_M	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	0.00	0.00	HCUP_QR	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	0.00	0.00	MEPS	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	-0.63	-0.14	HCUP_QR	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-1.41	-0.49	NSDUH	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	-2.90	-0.30	HCUP_NEDS	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-3.13	-0.34	HCUP_QR	2015
Adults age 65 and over with any private health insurance	-3.15	-0.57	NHIS	2016
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	-3.98	-0.50	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	-4.39	-0.34	MEPS	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-5.10	-0.55	HCUP_QR	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-5.35	-1.90	HCUP_QR	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	-5.44	-1.60	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	-6.12	-0.42	MEPS	2015
People unable to get or delayed in getting needed prescription medicines due to financial or insurance reasons	-6.81	-0.71	MEPS	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	-7.75	-0.66	MEPS	2015
Birth trauma - injury to neonate per 1,000 selected live births	-10.53	-1.41	HCUP_QR	2015
People with a usual primary care provider	-10.67	-1.41	MEPS	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-11.37	-0.82	HCUP_QR	2015
Emergency department encounters for asthma, children ages 2-17	-14.01	-0.75	HCUP_NEDS	2015
Adults age 40 and over with diagnosed diabetes who received at least two hemoglobin A1c measurements in the calendar year	-14.03	-0.65	MEPS	2015
People unable to get or delayed in getting needed medical care due to financial or insurance reasons	-15.76	-1.17	MEPS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-15.95	-1.36	HCUP_QR	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-16.62	-1.57	NSDUH	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	-16.77	-1.45	MEPS	2015
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	-17.54	-1.08	MEPS	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	-20.06	-1.31	MEPS	2015

Measures for Micropolitan Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Emergency department visits with a principal diagnosis related to dental conditions	108.52	9.49	HCUP_NEDS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	80.49	4.09	HCUP_QR	2015
People under age 65 with health insurance	55.81	3.09	NHIS	2016
People under age 65 with any private health insurance	54.98	7.23	NHIS	2016
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	53.77	6.70	HCUP_QR	2015
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	52.94	8.83	NVSS_L	2014
Children ages 3-5 who ever had their vision checked by a health provider	50.85	2.18	MEPS	2015
Adults who received a blood cholesterol measurement in the last 5 years	48.84	4.27	NHIS	2014
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	47.83	4.27	HCUP_QR	2015
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	44.09	2.49	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	43.63	3.64	MEPS	2015
Suicide deaths among people age 12 and over per 100,000 population	43.36	19.61	NVSS_M	2015
Women ages 50-74 who received a mammogram in the last 2 years	43.20	3.48	NHIS	2015
Hospitalizations and emergency department encounters for congestive heart failure	41.97	4.09	HCUP_NEDS	2015
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	41.94	2.23	MEPS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	38.54	2.57	HCUP_QR	2015
Women ages 21-65 who received a Pap test in the last 3 years	36.60	2.97	NHIS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	36.15	4.09	HCUP_QR	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	35.82	4.24	HCUP_QR	2015
Children ages 0-17 with a wellness checkup in the past 12 months	32.37	2.45	NHIS	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	30.52	3.94	HCUP_QR	2015
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	27.27	7.42	HCUP_QR	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	26.67	3.39	MEPS	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	25.61	2.29	HCUP_NEDS	2015
Lung cancer deaths per 100,000 population per year	25.52	27.18	NVSS_M	2015
Deaths per 1,000 adult hospital admissions with pneumonia	25.16	6.69	HCUP_QR	2015
Hospital admissions for angina per 100,000 population, adults age 18 and over	24.78	2.08	HCUP_QR	2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	24.69	3.16	NCDB	2014
Deaths per 1,000 adult hospital admissions with congestive heart failure	23.65	7.00	HCUP_QR	2015
Emergency department encounters for asthma, adults	23.26	2.16	HCUP_NEDS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	22.12	9.20	HCUP_QR	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	21.35	3.51	HCUP_QR	2015

Measures for Micropolitan Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	21.28	2.95	MEPS	2015
Colorectal cancer deaths per 100,000 population per year	20.30	12.07	NVSS_M	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	19.80	2.60	MEPS	2015
Adults with obesity who ever received advice from a health professional to exercise more	19.30	2.00	MEPS	2015
Hospital admissions for congestive heart failure per 100,000 population	15.28	2.05	HCUP_QR	2015

Noncore vs. Large Fringe Metropolitan

Measures for Noncore Better Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Hospital admissions with central venous catheter-related bloodstream infection per 1,000 medical and surgical discharges of length 2 or more days, adults age 18 and over or obstetric admissions	-27.03	-5.55	HCUP_QR	2015
Hospital admissions for asthma per 100,000 population, children ages 2-17	-26.71	-2.03	HCUP_QR	2015
Emergency department visits with a principal diagnosis related to substance abuse only, per 100,000 population	-22.81	-2.71	HCUP_NEDS	2015
Hospital admissions for asthma per 100,000 population, adults ages 18-39	-17.87	-1.97	HCUP_QR	2015
HIV infection deaths per 100,000 population	-15.38	-1.96	NVSS_M	2015
People age 12 and over who needed treatment for illicit drug use and who received such treatment at a specialty facility in the last 12 months	-13.37	-2.08	NSDUH	2015
Women with clinical Stage I-IIb breast cancer who received axillary node dissection or sentinel lymph node biopsy (SLNB) at the time of surgery (lumpectomy or mastectomy)	-13.33	-2.53	NCDB	2014
Postoperative pulmonary embolism (PE) or deep vein thrombosis (DVT) per 1,000 surgical hospital discharges, adults	-12.98	-7.75	HCUP_QR	2015
Measures for Noncore Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Children who had their height and weight measured by a health provider within the past 2 years	73.91	1.76	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never showed respect for what they had to say	54.00	1.61	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months and needed care, tests, or treatment who sometimes or never found it easy to get the care, tests, or treatment	44.64	1.23	MEPS	2015
People under age 65 who were uninsured all year	41.18	1.94	MEPS	2015
People with a usual source of care who is somewhat to very difficult to contact during regular business hours over the telephone	34.65	1.88	MEPS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never spent enough time with them	24.49	1.07	MEPS	2015
People who were unable to get or delayed in getting needed prescription medicines in the last 12 months	22.58	0.92	MEPS	2015
People who were unable to get or delayed in getting needed medical care in the last 12 months	22.50	0.79	MEPS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, children ages 6-17	20.08	0.87	HCUP_QR	2015

Measures for Noncore Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Children 0-40 lb for whom a health provider gave advice within the past 2 years about using a child safety seat while riding in a car	19.69	0.84	MEPS	2014
Hospital admissions for angina per 100,000 population, adults age 18 and over	17.70	1.49	HCUP_QR	2015
Adult current smokers with a checkup in the last 12 months who received advice to quit smoking	17.15	0.98	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about using a helmet when riding a bicycle or motorcycle	14.81	1.54	MEPS	2015
Children 41-80 lb for whom a health provider gave advice within the past 2 years about using a booster seat when riding in a car	14.38	1.30	MEPS	2015
People with a usual source of care who usually asks about prescription medications and treatments from other doctors	13.87	0.87	MEPS	2015
Adults with obesity who ever received advice from a health professional about eating fewer high-fat or high-cholesterol foods	11.97	1.33	MEPS	2015
Deaths per 1,000 hospital admissions with coronary artery bypass surgery, adults age 40 and over	11.24	1.60	HCUP_QR	2015
Children ages 12-17 with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	10.95	1.07	NSDUH	2015
Adults age 40 and over with diagnosed diabetes who received a dilated eye examination in the calendar year	10.95	0.72	MEPS	2015
Children ages 2-17 who had a dental visit in the calendar year	10.84	0.78	MEPS	2015
Emergency department encounters for asthma, adults	10.18	1.06	HCUP_NEDS	2015
Hospital admissions for pediatric gastroenteritis per 100,000 population, children ages 3 months to 17 years	8.05	0.48	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with acute myocardial infarction (AMI)	7.56	2.66	HCUP_QR	2015
Emergency department visits with a principal diagnosis related to mental health only per 100,000 population	6.97	0.70	HCUP_NEDS	2015
Hospital admissions for congestive heart failure per 100,000 population	6.73	0.98	HCUP_QR	2015
Postoperative hip fracture per 1,000 surgical admissions who were not susceptible to falling, adults	6.25	0.45	HCUP_QR	2015
People with current asthma who are now taking preventive medicine daily or almost daily (either oral or inhaler)	5.62	1.01	MEPS	2015
Birth trauma - injury to neonate per 1,000 selected live births	5.26	0.45	HCUP_QR	2015
Children ages 2-17 who had a preventive dental service in the calendar year	5.12	0.42	MEPS	2015
Adults age 40 and over with diagnosed diabetes who received a flu vaccination in the calendar year	5.12	0.30	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about the amount and kind of exercise, sports, or physically active hobbies they should have	5.05	0.42	MEPS	2015
Deaths per 1,000 hospital admissions with percutaneous transluminal coronary angioplasty (PTCA), adults age 40 and over	4.08	1.03	HCUP_QR	2015
Breast cancer deaths per 100,000 female population per year	4.04	1.79	NVSS_M	2015
Postoperative physiologic and metabolic derangements per 1,000 elective surgical hospital discharges, adults	3.80	0.74	HCUP_QR	2015
Children for whom a health provider gave advice within the past 2 years about how smoking in the house can be bad for a child	3.44	0.29	MEPS	2015
Postoperative hemorrhage or hematoma with surgical drainage or evacuation per 1,000 surgical hospital discharges, adults	3.26	0.78	HCUP_QR	2015

Measures for Noncore Same as Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults age 40 and over with diagnosed diabetes who had their feet checked for sores or irritation in the calendar year	2.58	0.12	MEPS	2015
People with a usual source of care who sometimes or never asked the person to help make decisions when there was a choice between treatments	1.86	0.12	MEPS	2015
Hospital admissions for immunization-preventable influenza per 100,000 population, adults age 65 and over	0.93	0.12	HCUP_QR	2015
Sepsis diagnoses per 1,000 elective-surgery admissions of length 4 or more days, adults	0.00	0.00	HCUP_QR	2015
Deaths per 1,000 elective-surgery admissions having developed specified complications of care during hospitalization, adults ages 18-89 or obstetric admissions	-0.18	-0.08	HCUP_QR	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never explained things in a way they could understand	-1.92	-0.08	MEPS	2015
Hospital admissions for long-term complications of diabetes per 100,000 population, adults	-2.25	-0.31	HCUP_QR	2015
People age 12 and over who needed treatment for alcohol problems who received such treatment at a specialty facility in the last 12 months	-3.47	-0.98	NSDUH	2015
Hospital inpatient stays involving opioid-related diagnoses per 100,000 population	-5.29	-1.03	HCUP_QR	2015
Postoperative respiratory failure per 1,000 elective surgical hospital discharges, adults	-6.42	-2.06	HCUP_QR	2015
Obstetric trauma per 1,000 vaginal deliveries without instrument assistance	-9.39	-2.11	HCUP_QR	2015
Adults with a major depressive episode in the last 12 months who received treatment for depression in the last 12 months	-9.62	-0.76	NSDUH	2015
Adults with limited English proficiency who had a usual source of care	-9.82	-0.38	MEPS	2015
Obstetric trauma per 1,000 instrument-assisted deliveries	-10.28	-1.79	HCUP_QR	2015
Hospital admissions for hypertension per 100,000 population, adults age 18 and over	-11.33	-1.31	HCUP_QR	2015
Emergency department encounters for asthma, children ages 2-17	-12.09	-0.65	HCUP_NEDS	2015
Emergency department visits involving opioid-related diagnoses per 100,000 population	-12.26	-1.15	HCUP_NEDS	2015
Deaths per 1,000 adult hospital admissions with abdominal aortic aneurysm (AAA) repair	-13.29	-0.93	HCUP_QR	2015
Emergency department visits with a principal diagnosis related to co-occurring mental health, alcohol use, and substance use disorders, per 100,000 population	-14.25	-1.25	HCUP_NEDS	2015
Adults who had a doctor's office or clinic visit in the last 12 months whose health providers sometimes or never listened carefully to them	-15.15	-0.82	MEPS	2014
People with a usual primary care provider	-19.11	-1.70	MEPS	2015
People who were unable to get or delayed in getting needed dental care in the last 12 months	-20.75	-1.23	MEPS	2015
People without a usual source of care who indicated a financial or insurance reason for not having a source of care	-27.84	-1.71	MEPS	2014
Adults who needed care right away for an illness, injury, or condition in the last 12 months who sometimes or never got care as soon as needed	-28.35	-1.17	MEPS	2015
Measures for Noncore Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Hospital admissions for bacterial pneumonia per 100,000 population, adults age 18 and over	97.26	11.53	HCUP_QR	2015
Infant mortality per 1,000 live births, birth weight 2,500 grams or more	70.59	11.77	NVSS_L	2014
Rating of healthcare 0-6 on a scale from 0 to 10 (best grade) by adults who had a doctor's office or clinic visit in the last 12 months	69.31	2.54	MEPS	2015

Measures for Noncore Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults age 65 and over who received in the calendar year at least 1 of 33 potentially inappropriate prescription medications for older adults	62.11	2.27	MEPS	2015
Suicide deaths among people age 12 and over per 100,000 population	58.74	20.37	NVSS_M	2015
Adults who needed to see a specialist in the last 12 months who sometimes or never found it easy to see a specialist	56.03	2.01	MEPS	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, children ages 3 months to 17 years	51.04	3.16	HCUP_QR	2015
Deaths per 1,000 adult hospital admissions with pneumonia	50.32	13.38	HCUP_QR	2015
People under age 65 with any period of uninsurance during the year	50.00	3.45	MEPS	2015
Deaths per 1,000 hospital admissions with expected low mortality	48.00	3.33	HCUP_QR	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, children	46.34	2.12	HCUP_QR	2015
Hospital admissions for chronic obstructive pulmonary disease or asthma per 100,000 population, adults age 40 and over	46.19	5.72	HCUP_QR	2015
Adults who had any appointments for routine healthcare in the last 12 months who sometimes or never got an appointment for routine care as soon as needed	44.19	2.54	MEPS	2015
Hospitalizations and emergency department encounters for congestive heart failure	43.75	4.34	HCUP_NEDS	2015
People under age 65 whose family's health insurance premium and out-of-pocket medical expenditures were more than 10% of total family income	42.42	2.35	MEPS	2015
Children ages 2-17 for whom a health provider gave advice within the past 2 years about healthy eating	42.04	2.17	MEPS	2015
Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery admissions of length 2 or more days, adults	37.50	2.12	HCUP_QR	2015
Hospital admissions for uncontrolled diabetes without complications per 100,000 population, adults	34.15	2.83	HCUP_QR	2015
People with a usual source of care, excluding hospital emergency rooms, who has office hours at night or on weekends	34.09	4.01	MEPS	2015
Hospital admissions for dehydration per 100,000 population, adults age 18 and over	32.89	4.56	HCUP_QR	2015
Hospital admissions for lower extremity amputations per 1,000 population, adults age 18 and over with diabetes	29.81	2.66	HCUP_QR	2015
Lung cancer deaths per 100,000 population per year	29.69	25.49	NVSS_M	2015
Colorectal cancer deaths per 100,000 population per year	28.57	12.02	NVSS_M	2015
Deaths per 1,000 adult hospital admissions with congestive heart failure	27.70	7.03	HCUP_QR	2015
Hospital admissions for urinary tract infection (UTI) per 100,000 population, adults age 18 and over	26.56	3.69	HCUP_QR	2015
Adults with obesity who ever received advice from a health professional to exercise more	26.32	2.16	MEPS	2015
Hospital admissions for short-term complications of diabetes per 100,000 population, adults	26.07	3.05	HCUP_QR	2015
Patients with colon cancer who received surgical resection of colon cancer that included at least 12 lymph nodes pathologically examined	24.69	3.16	NCDB	2014
Hospital admissions with iatrogenic pneumothorax per 1,000 medical and surgical admissions, adults	22.08	4.71	HCUP_QR	2015
Children over 80 lb for whom a health provider gave advice within the past 2 years about using lap or shoulder belts when riding in a car	21.30	2.14	MEPS	2014
Adults who had a preventive dental service in the calendar year	19.96	3.21	MEPS	2015
Accidental puncture or laceration during procedure per 1,000 medical and surgical admissions, adults	19.23	6.86	HCUP_QR	2015

Measures for Noncore Worse Than Large Fringe Metro	Relative Difference	Z Score	Data Source	Data Year
Adults with a dental visit in the calendar year	17.76	3.54	MEPS	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, children	13.21	2.52	HCUP_QR	2015
Hospital admissions for perforated appendix per 1,000 admissions with appendicitis, adults	12.86	4.35	HCUP_QR	2015

