



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Clinical Reporting System

(BGP)

National GPRA/GPRAMA Report Performance Measure List and Definitions

Version 17.0
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1.0 CRS 2017 National GPRA/GPRAMA Report

1.1 Performance Measures

The following performance measures will be reported in the Clinical Reporting System (CRS) 2017 National Government Performance and Results Act of 1993 (GPRA)/GPRA Modernization Act (GPRAMA) Report.

Note: Beginning FY 2010, GPRA Developmental will no longer be included in this document and will instead have its own Performance Measure Topics and Definitions document.

Notations used in this document are described in the following table.

Table 1-1: Document Notations

Notation	Location	Meaning
GPRA:	Preceding a measure	An official GPRA measure reported in the National GPRA Report submitted to Office of Management and Budget (OMB) and Congress in the annual IHS budget process.
GPRAMA:	Preceding a measure	An official GPRAMA measure reported in the National GPRA Report submitted to the Office of Management and Budget (OMB) and Congress, and included in the annual HHS Online Performance Appendix.
Plus Sign (+)	Preceding a measure	The measure is <i>not</i> an official GPRA measure but <i>is included</i> in the National GPRA Report provided to OMB and Congress to provide context to a GPRA measure(s).
Section Symbol (§)	Preceding a measure	The measure is <i>not</i> an official GPRA measure and <i>is not included</i> in the National GPRA Report provided to OMB and Congress. Included in this document to provide context to a GPRA measure(s).
Asterisk (*)	Anywhere in a code (CPT, POV, Edu.,etc.)	A 'wildcard' character indicating that the code given has one or more additional characters at this location.

DIABETES GROUP

- DIABETES PREVALENCE
 - +Diabetes Diagnosis Ever
 - §Diabetes Diagnosis during GPRA Year

- **GLYCEMIC CONTROL**
 - +Documented Alc
 - Poor Glycemic Control
 - §A1c greater than or equal to (\geq) 7 and less than ($<$) 8
 - GPRAMA: Good Glycemic Control
 - Alc less than ($<$) 7
- **BLOOD PRESSURE CONTROL**
 - §Blood Pressure (BP) Assessed
 - GPRA: Controlled BP (less than ($<$) 140/90)
- **STATIN THERAPY TO REDUCE CARDIOVASCULAR DISEASE RISK IN PATIENTS WITH DIABETES**
 - GPRA: Statin Therapy
 - §With Denominator Exclusions
- **NEPHROPATHY ASSESSMENT**
 - GPRA: Estimated Glomerular Filtration Rate (GFR) & Urine Albumin-to-Creatinine Ratio (UACR) or History of End Stage Renal Disease (ESRD)
- **RETINOPATHY ASSESSMENT**
 - GPRA: Retinopathy Evaluation (No Refusals)

DENTAL GROUP

- **ACCESS TO DENTAL**
 - GPRA: Annual Dental Visit (No Refusals)
- **DENTAL SEALANTS**
 - GPRA: Dental Sealants (rate)
 - §Dental Sealants (No Refusals; count; not rate)
- **TOPICAL FLUORIDE**
 - GPRA: Topical Fluoride (rate)
 - §Topical Fluoride Application (No Refusals; count; not rate)

IMMUNIZATIONS

- **INFLUENZA**
 - GPRA: Influenza Immunization 6 months – 17 years
 - GPRA: Influenza Immunization 18 years and older
- **ADULT IMMUNIZATIONS**
 - GPRA: Pneumococcal

- **CHILDHOOD IMMUNIZATIONS (19 THROUGH 35 MONTHS)**
 - §Active Clinical Patients with 4:3:1:3*:3:1:4 (No Refusals)
 - GPRAMA: Active IMM Patients with 4:3:1:3*:3:1:4 (No Refusals)
 - §4 DTaP
 - §3 Polio
 - §1 MMR
 - §3 or 4 HiB
 - §3 Hepatitis B
 - §1 Varicella
 - §4 Pneumococcal

CANCER SCREENING

- **PAP SMEAR RATES**
 - GPRA: Pap smear in past 3 years or for age 30+, Pap & HPV in past 5 years (No Refusals)
- **MAMMOGRAM RATES**
 - GPRA: Mammogram (No Refusals)
- **COLORECTAL CANCER SCREENING**
 - GPRA: Fecal Occult Blood Test (FOBT) or Fecal Immunochemical Test (FIT) during Report Period, Flexible Sigmoidoscopy in past 5 years, or Colonoscopy in past 10 years (No Refusals)
 - §FOBT or FIT
- **TOBACCO USE AND EXPOSURE ASSESSMENT**
 - §Tobacco Assessment
 - §Tobacco Users
 - §Smokers
 - §Smokeless Users
 - §Exposed to Environmental Tobacco Smoke (ETS)
- **TOBACCO CESSATION**
 - §Tobacco Cessation Counseling or Smoking Cessation Aid (No Refusals)
 - §Quit Tobacco Use
 - GPRA: Tobacco Cessation Counseling, Smoking Cessation Aid, or Quit Tobacco Use

BEHAVIORAL HEALTH

- ALCOHOL SCREENING
 - GPRA: Alcohol Screening (No Refusals)
 - §Alcohol-Related Education
 - §Positive Alcohol Screen
- SCREENING, BRIEF INTERVENTION, AND REFERRAL TO TREATMENT
 - §Screening for Alcohol Use
 - §Positive Screen
 - GPRA: BNI/BI
 - §Referral to Treatment
- INTIMATE PARTNER VIOLENCE/DOMESTIC VIOLENCE (IPV/DV) SCREENING
 - GPRA: IPV/DV Screening (No Refusals)
- DEPRESSION SCREENING
 - GPRA: Depression Screening or Mood Disorder Diagnosis age 12-75 (No Refusals)
 - GPRAMA: Depression Screening or Mood Disorder Diagnosis age 18+ (No Refusals)
 - §Depression Screening
 - §Mood Disorder Diagnosis
- ANTIDEPRESSANT MEDICATION MANAGEMENT
 - GPRA: Acute Treatment
 - GPRA: Continuous Treatment

CARDIOVASCULAR DISEASE-RELATED

- CHILDHOOD WEIGHT CONTROL
 - GPRA: BMI 95% and Up
- CONTROLLING HIGH BLOOD PRESSURE – MILLION HEARTS
 - GPRA: BP less than (<) 140/90
- STATIN THERAPY FOR THE PREVENTION AND TREATMENT OF CARDIOVASCULAR DISEASE
 - GPRA: Statin Therapy
 - §With Denominator Exclusions

STD GROUP

- HIV SCREENING
 - §Prenatal HIV Screening (No Refusals)
 - GPRA: HIV Screen Ever (No Refusals)

OTHER CLINICAL

- BREASTFEEDING RATES
 - Patients 30 through 394 days of age screened for infant feeding choice (IFC) at least once
 - Patients 30 through 394 days of age screened for IFC at the age of 2 months
 - Patients 30 through 394 days of age screened for IFC at the age of 6 months
 - Patients 30 through 394 days of age screened for IFC at the age of 9 months
 - Patients 30 through 394 days of age screened for IFC at the age of 1 year
 - GPRA: Patients 30 through 394 days of age who were exclusively or mostly breastfed at 2 months of age
 - Patients 30 through 394 days of age who were exclusively or mostly breastfed at 6 months of age
 - Patients 30 through 394 days of age who were exclusively or mostly breastfed at 9 months of age
 - Patients 30 through 394 days of age who were exclusively or mostly breastfed at the age of 1 year

Note: Definitions for all performance measure topics included in CRS begin on Section 2.0. Definitions for numerators and denominators that are preceded by “GPRA” represent measures that are reported to OMB and Congress.

1.2 CRS Denominator Definitions

1.2.1 For All Denominators

- All patients with name “DEMO,PATIENT” or who are included in the RPMS Demo/Test Patient Search Template (DPST option located in the Patient Care Component [PCC] Management Reports, Other section) will be excluded automatically for all denominators.
- For all measures, except as noted, patient age is calculated as of the beginning of the Report Period.

1.2.2 Active Clinical Population

1.2.2.1 National GPRA/GPRAMA Reporting

- Must have two visits to medical clinics in the past three years prior to the end of the Report Period. Chart reviews and telephone calls from these clinics do not count; the visits must be face-to-face. At least one visit must be to a core medical clinic. Refer to the *Clinical Reporting System (CRS) for FY2017 Clinical Measures User Manual* for listing of these clinics.
- Must be alive on the last day of the Report Period.
- Must be American Indian/Alaska Native (AI/AN); defined as Beneficiary 01.
- Must reside in a community specified in the site’s GPRA community taxonomy, defined as all communities of residence in the defined Purchased and Referred Care (PRC) catchment area.

1.2.2.2 Local Reports

- Must have two visits to medical clinics in the past three years prior to the end of the Report Period. Chart reviews and telephone calls from these clinics do not count; the visits must be face-to-face. At least one visit must be to a core medical clinic. Refer to the *Clinical Reporting System for FY2017 Clinical Measures User Manual* for listing of these clinics.
- Must be alive on the last day of the Report Period.
- User defines population type: AI/AN patients only, non AI/AN, or both.
- User defines general population: single community, group of multiple communities (community taxonomy), user-defined list of patients (patient panel), or all patients regardless of community of residence.

1.2.3 User Population

1.2.3.1 National GPRA/GPRAMA Reporting

- Must have been seen at least once in the 3 years prior to the end of the Report Period, regardless of the clinic type, and the visit must be either ambulatory (including day surgery or observation) or a hospitalization; the rest of the service categories are excluded.
- Must be alive on the last day of the Report Period.
- Must be AI/AN; defined as Beneficiary 01.
- Must reside in a community specified in the site's GPRA community taxonomy, defined as all communities of residence in the defined PRC catchment area.

1.2.3.2 Local Reports

- Must have been seen at least once in the 3 years prior to the end of the Report Period, regardless of the clinic type, and the visit must be either ambulatory (including day surgery or observation) or a hospitalization; the rest of the service categories are excluded.
- Must be alive on the last day of the Report Period.
- User defines population type: AI/AN patients only, non AI/AN, or both.
- User defines general population: single community, group of multiple communities (community taxonomy), user-defined list of patients (patient panel), or all patients regardless of community of residence.

1.2.4 Active Clinical Plus BH Population

1.2.4.1 National GPRA/GPRAMA Reporting

- Must have two visits to medical or behavioral health clinics in the past three years prior to the end of the Report Period. Chart reviews and telephone calls from these clinics do not count; the visits must be face-to-face. At least one visit must be to a core medical clinic. Refer to the *Clinical Reporting System (CRS) for FY2017 Clinical Measures User Manual* for a listing of these clinics.
- Must be alive on the last day of the Report Period.
- Must be AI/AN; defined as Beneficiary 01.
- Must reside in a community specified in the site's GPRA community taxonomy, defined as all communities of residence in the defined PRC catchment area.

1.2.4.2 Local Reports

- Must have two visits to medical or behavioral health clinics in the past three years prior to the end of the Report Period. Chart reviews and telephone calls from these clinics do not count; the visits must be face-to-face. At least one visit must be to a core medical clinic. Refer to the *Clinical Reporting System (CRS) for FY2017 Clinical Measures User Manual* for a listing of these clinics.
- Must be alive on the last day of the Report Period.
- User defines population type: AI/AN patients only, non AI/AN, or both.
- User defines general population: single community, group of multiple communities (community taxonomy), user-defined list of patients (patient panel), or all patients regardless of community of residence.

2.0 Performance Measure Topics and Definitions

The following sections define the performance measure topics and their definitions that are included in the *CRS 2017 version 17.0 National GPRA/GPRAMA Report*.

2.1 Diabetes Group

2.1.1 Diabetes Prevalence

2.1.1.1 Owner and Contact

Diabetes Program: Dr. Ann Bullock

2.1.1.2 National Reporting

NATIONAL (included in IHS Performance Report; *not* reported to OMB and Congress)

2.1.1.3 Denominators

1. User Population patients.

2.1.1.4 Numerators

1. Patients diagnosed with Diabetes at any time before the end of the Report Period.
2. Patients diagnosed with diabetes during the Report Period.

2.1.1.5 Definitions

Diabetes Diagnosis

At least one Purpose of Visit [POV] diagnosis ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.*.

2.1.1.6 Patient Lists

Diabetic patients with most recent diagnosis.

2.1.2 Diabetes: Glycemic Control

2.1.2.1 Owner and Contact

Diabetes Program: Dr. Ann Bullock

2.1.2.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.1.2.3 Denominators

1. GPRAMA: Active Diabetic patients; defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, *and* at least two visits in the past year, *and* two diabetes mellitus (DM)-related visits ever. The key denominator for this and all diabetes-related topics follows.
2. User Population patients diagnosed with diabetes prior to the Report Period.

2.1.2.4 Numerators

1. Hemoglobin A1c documented during the Report Period.
2. Poor control: A1c greater (>) than 9.5.
3. A1c is greater than or equal (>=) to 7 and less than (<) 8
4. GPRAMA: Good control: A1c less than (<) 8.

2.1.2.5 Definition

Diabetes

First DM POV ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.* recorded in the V POV file prior to the Report Period.

A1c

Searches for most recent A1c test with a result during the Report Period. If more than one A1c test is found on the same day or the same visit and one test has a result and the other does not, the test with the result will be used. If both tests have a result, the last test done on the visit will be used.

If an A1c test with a result is not found, CRS searches for the most recent A1c test without a result.

- A1c defined as any of the following:
 - Current Procedural Terminology (CPT) 83036, 83037, 3044F to 3046F, 3047F (old code)
 - Logical Observations Identifiers, Names, Codes (LOINC) taxonomy
 - Site-populated taxonomy DM AUDIT HGB A1C TAX
- CPT 3044F represents A1c less than (<) 7 and will be included in the A1c less than (<) 8 numerator.

2.1.2.6 GPRA 2017 Target

Good Glycemic Control: During GPRA Year 2017, achieve the target rate of 48.4% for the proportion of patients with diagnosed diabetes who have good glycemic control (defined as A1c less than (<) 8).

2.1.2.7 Patient Lists

- List of diabetic patients with a documented Alc.
- List of diabetic patients without a documented Alc.
- List of diabetic patients with poor glycemic control (Alc greater than (>) 9.5).
- List of diabetic patients with A1c greater than or equal to (>=) 7 and less than (<) 8.
- List of diabetic patients with good glycemic control (Alc less than (<) 8).
- List of diabetic patients without good Glycemic control (A1c greater than or equal to (>=) 8).

2.1.3 Diabetes: Blood Pressure Control

2.1.3.1 Owner and Contact

Diabetes Program: Dr. Ann Bullock

2.1.3.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.1.3.3 Denominators

1. GPRA: Active Diabetic patients; defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, *and* at least two visits in the past year, *and* two DM-related visits ever. The key denominator for this and all diabetes-related topics follows.
2. User Population patients diagnosed with diabetes prior to the Report Period.

2.1.3.4 Numerators

1. Patients with blood pressure documented during the Report Period.
2. GPRA: Patients with blood pressure less than (<) 140/90, i.e., the mean systolic value is less than (<) 140 and the mean diastolic value is less than (<) 90.

2.1.3.5 Definitions

Diabetes

First DM POV ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.* recorded in the V POV file prior to the Report Period.

Exclusions

When calculating all BPs (using vital measurements or CPT codes), the following visits will be excluded:

- Service Category H (Hospitalization), I (In Hospital), S (Day Surgery), or O (Observation)
- Clinic code 23 (Surgical), 30 (ER), 44 (Day Surgery), C1 (Neurosurgery), or D4 (Anesthesiology)

BP Documented

CRS uses mean of last three BPs documented during the Report Period. If 3 BPs are not available, uses mean of last 2 BPs, or one BP if there is only one documented. If a visit contains more than one BP, the lowest BP will be used, defined as having the lowest systolic value. The mean Systolic value is calculated by adding the last 3 (or 2) systolic values and dividing by 3 (or 2). The mean Diastolic value is calculated by adding the diastolic values from the last 3 (or 2) BPs and dividing by 3 (or 2). If the systolic and diastolic values do not *both* meet the criteria for controlled, then the value is considered not controlled.

If CRS is not able to calculate a mean BP, it will search for CPT 0001F, 2000F, 3074F through 3080F, G9273, G9274 or POV ICD-9: V81.1 documented during the Report Period.

Controlled BP

CRS uses a mean, as described above where BP is less than (<) 140/90. If the mean systolic and diastolic values do not *both* meet the criteria for controlled, then the value is considered not controlled.

BP documented and Controlled BP

If CRS is not able to calculate a mean BP from BP measurements, it will search for the most recent of any of the following codes documented during the Report Period:

- BP Documented: CPT 0001F, 2000F, G9273, G9274 or POV ICD-9: V81.1; OR

- Systolic: CPT 3074F, 3075F, or 3077F WITH Diastolic: CPT 3078F, 3079F, or 3080F. The systolic and diastolic values do not have to be recorded on the same day. If there are multiple values on the same day, the CPT indicating the lowest value will be used.
- The following combinations represent BP less than (<) 140/90 and will be included in the Controlled BP numerator: CPT 3074F or 3075F *and* 3078F or 3079F, OR G9273. All other combinations will not be included in the Controlled BP numerator.

2.1.3.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 63.8% for the proportion of patients with diagnosed diabetes who have achieved blood pressure control (defined as less than (<) 140/90).

2.1.3.7 Patient Lists

- List of diabetic patients who had their BP assessed.
- List of diabetic patients who did not have their BP assessed.
- List of diabetic patients with controlled BP, defined as below 140/90.
- List of diabetic patients with uncontrolled BP, defined as above 140/90.

2.1.4 Statin Therapy to Reduce Cardiovascular Disease Risk in Patients with Diabetes

2.1.4.1 Owner and Contact

Diabetes Program: Dr. Ann Bullock

2.1.4.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.1.4.3 Denominators

1. GPRA: Active Diabetic patients; defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, *and* at least two visits in the past year, *and* two DM-related visits ever, ages 40 through 75 or age 21 and older with documented CVD or an LDL greater than or equal to (\geq) 190. Broken down by age groups. The key denominator for this and all diabetes-related topics is below.

2. Active Diabetic patients, defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, AND at least 2 visits during the Report Period, AND 2 DM-related visits ever, ages 40 through 75.
3. Active Diabetic patients, defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, AND at least 2 visits during the Report Period, AND 2 DM-related visits ever, ages 40 through 75 or age 21 and older with documented CVD or an LDL greater than or equal to (\geq) 190, including denominator exclusions.
4. User Population patients diagnosed with diabetes prior to the Report Period, ages 40 through 75 or age 21 and older with documented CVD or an LDL greater than or equal to (\geq) 190.

2.1.4.4 Numerators

1. GPRA: Patients who are statin therapy users during the Report Period or who receive an order (prescription) to receive statin therapy at any point during the Report Period.
2. Patients with any of the listed denominator exclusions.
 - A. Patients with documented allergy, intolerance, or other adverse effect to statin medication.

2.1.4.5 Definitions

Diabetes

First DM POV ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.* recorded in the V POV file prior to the Report Period.

Cardiovascular Disease (CVD)

Cardiovascular Disease (CVD) diagnosis defined as any of the following:

- Coronary Heart Disease (CHD) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 410.0-413.*, 414.0-414.9, 429.2; ICD-10: I20.0-I22.8, I24.0-I25.83, I25.89, I25.9, Z95.5
 - SNOMED data set PXRMI SCHEMIC HEART DISEASE (Problem List only)
- Acute Myocardial Infarction (AMI) defined as any of the following:

- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 410.0*-410.9*, 412; ICD-10: I21.*, I22.*, I23.*, I25.2
 - SNOMED data set PXRMI BGP AMI (Problem List only)
- Ischemic Vascular Disease (IVD) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 411.*, 413.*, 414.0*, 414.2, 414.8, 414.9, 429.2, 433.*-434.*, 440.1, 440.2*, 440.4, 444.*, 445.*; ICD-10: I20.*, I24.*, I25.1*, I25.5-I25.812, I65.*, I66.*, I70.1, I70.201-I70.299, I70.92, I74.*, I75.*
 - SNOMED data set PXRMI BGP IVD (Problem List only)
- Ischemic Stroke or Transient Ischemic Attack (TIA) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 435.0, 435.1, 435.2, 435.3, 435.8, 435.9; ICD-10: G45.0-G45.2, G45.8, G45.9, G46.0-G46.2, I63.*
 - SNOMED data set PXRMI BGP ISCHEMIC STROKE TIA (Problem List only)
- Coronary Artery Bypass Graft (CABG) Procedure defined as any of the following:
 - POV ICD-9: V45.81; ICD-10: Z95.1
 - CPT 33510-33514, 33516-33519, 33521-33523, 33530, 33533-33536, 33572, 35500, 35600, S2205-S2209
 - Procedure ICD-9: 36.1*, 36.2*; ICD-10: 02100**, 021049*, 02104A*, 02104J*, 02104K*, 02104Z*, 02110**, 021149*, 02114A*, 02114J*, 02114K*, 02114Z*, 02120**, 021249*, 02124A*, 02124J*, 02124K*, 02124Z*, 02130**, 021349*, 02134A*, 02134J*, 02134K*, 02134Z*
- Percutaneous Coronary Interventions (PCI) Procedure defined as any of the following:
 - POV ICD-9: V45.82; ICD-10: Z95.5, Z98.61
 - CPT 92920, 92924, 92928, 92933, 92937, 92941, 92943, 92980 (old code), 92982 (old code), 92995 (old code), G0290, C9600, C9602, C9604, C9606, C9607

- Procedure ICD-9: 00.66, 36.01 (old code), 36.02 (old code), 36.05 (old code), 36.06-36.07; ICD-10: 02703**, 02704**, 02713**, 02714**, 02723**, 02724**, 02733**, 02734**
- Other Revascularization:
 - CPT 37220, 37221, 37224-37231

LDL

For LDL greater than or equal to (\geq) 190, CRS will look for any test at any time with result greater than or equal to (\geq) 190. LDL defined as any of the following:

- LOINC taxonomy
- Site-populated taxonomy DM AUDIT LDL CHOLESTEROL TAX

Denominator Exclusions

Patients meeting any of the following conditions will be excluded from the denominator.

- Patients with documented allergy, intolerance, or other adverse effect to statin medication.
- Patients who have an active diagnosis of pregnancy or who are breastfeeding.
- Patients with a diagnosis of cirrhosis of the liver during the Report Period or the year prior to the Report Period.
- Patients who are receiving palliative care.
- Patients with end-stage renal disease (ESRD).
- Patients with diabetes whose most recent LDL result is less than ($<$) 70 and who have never had an LDL result greater than or equal to (\geq) 190 and who are not taking statin therapy.

Contraindications to Statins

Contraindications to Statins defined as any of the following:

- Pregnancy: See the definition that follows
- Breastfeeding: See the definition that follows
- Acute Alcoholic Hepatitis: defined as POV or Problem List entry where the status is not Inactive or Deleted during the Report Period:
 - ICD-9: 571.1; ICD-10: K70.10, K70.11
 - SNOMED data set PXRMBGP ACUTE ETOH HEPATITIS (Problem List only)
- NMI refusal for any statin at least once during the Report Period.

Adverse drug reaction or documented statin allergy

Defined as any of the following:

- ALT or AST greater than three times the Upper Limit of Normal (ULN) (i.e., Reference High) on two or more consecutive visits during the Report Period
- Creatine Kinase (CK) levels greater than 10 times ULN or CK greater than 10,000 IU/L during the Report Period
- Myopathy or Myalgia, defined as any of the following during the Report Period:
 - POV or Problem List entry where the status is not Inactive or Deleted ICD-9: 359.0 through 359.9, 729.1, 710.5, 074.1; ICD-10: G71.14, G71.19, G72.0, G72.2, G72.89, G72.9, M35.8, M60.80 through M60.9, M79.1; SNOMED data set PXRMBGP MYOPATHY MYALGIA (Problem List only)
- Any of the following occurring ever:
 - POV ICD-9: 995.0 through 995.3 and E942.9
 - Statin or Statins entry in ART (Patient Allergies File)
 - Statin or Statins contained within Problem List (where status is not Deleted) or in Provider Narrative field for any POV ICD-9: 995.0 through 995.3, V14.8; ICD-10: Z88.8
 - Problem List entry where the status is not Deleted of SNOMED data set PXRMBGP ADR STATIN

Pregnancy Definition

Any of the following:

- The Currently Pregnant field in Reproductive Factors file set to "Yes" during the Report Period
- At least two visits during the Report Period, where the primary provider is not a CHR (Provider code 53) with any of the following:

- POV or Problem diagnosis ICD-9: 640.*3, 641.*3, 642.*3, 643.*3, 644.*3, 645.*3, 646.*3, 647.*3, 648.*3, 649.*3, 651.*3, 652.*3, 653.*3, 654.*3, 655.*3, 656.*3, 657.*3, 658.*3, 659.*3, 660.*3, 661.*3, 662.*3, 663.*3, 665.*3, 668.*3, 669.*3, 671.*3, 673.*3, 678.*3, 679.*3, V22.0 through V23.9, V24.*, V27.*, V28.81, V28.82, V28.89, V72.42, V89.01 through V89.09; ICD-10: O09.00 through O10.02, O10.111 through O10.12, O10.211 through O10.22, O10.311 through O10.32, O10.411 through O10.42, O10.911 through O10.92, O11.1 through O15.1, O15.9 through O24.02, O24.111 through O24.12, O24.311 through O24.32, O24.41*, O24.811 through O24.82, O24.911 through O24.92, O25.10 through O25.2, O26.00 through O26.62, O26.711 through O26.72, O26.811 through O26.93, O29.011 through O30.93, O31.* through O48.*, O60.0*, O61.* through O66.*, O68, O69.*, O71.00 through O71.1, O71.89, O71.9, O74.0 through O75.81, O75.89, O75.9, O76 through O77.*, O88.011 through O88.02, O88.111 through O88.12, O88.211 through O88.22, O88.311 through O88.32, O88.811 through O88.82, O90.3, O91.011 through O91.019, O91.111 through O91.119, O91.211 through O91.219, O92.011 through O92.019, O92.20, O92.29, O98.011 through O98.02, O98.111 through O98.12, O98.211 through O98.22, O98.311 through O98.32, O98.411 through O98.42, O98.511 through O98.52, O98.611 through O98.62, O98.711 through O98.72, O98.811 through O98.82, O98.911 through O98.92, O99.011 through O99.02, O99.111 through O99.12, O99.210 through O99.214, O99.280 through O99.284, O99.310 through O99.314, O99.320 through O99.324, O99.330 through O99.334, O99.340 through O99.344, O99.350 through O99.354, O99.411 through O99.42, O99.511 through O99.52, O99.611 through O99.62, O99.711 through O99.72, O99.810, O99.814, O99.820, O99.824, O99.830, O99.834, O99.840 through O99.844, O99.89, O9A.111 through O9A.12, O9A.211 through O9A.22, O9A.311 through O9A.32, O9A.411 through O9A.42, O9A.511 through O9A.52, Z03.7*, Z32.01, Z33.1, Z34.*, Z36.
- Procedure ICD-9: 72.*, 73.*, 74.*
- CPT 59000-59076, 59300, 59320, 59400-59426, 59510, 59514, 59610, 59612, 59618, 59620, 76801-76828

Pharmacy-only visits (clinic code 39) will not count toward these two visits. If the patient has more than two pregnancy-related visits during the Report Period, CRS will use the first two visits in the Report Period.

The patient must not have a documented miscarriage or abortion occurring after the second pregnancy-related visit or the date the Currently Pregnant field was set to "Yes".

- **Miscarriage definition:**

- POV ICD-9: 630, 631, 632, 633*, 634*; ICD-10: O03.9
- CPT 59812, 59820, 59821, 59830
- **Abortion definition:**
 - POV ICD-9: 635*, 636* 637*; ICD-10: O00.* through O03.89, O04.*, Z33.2
 - CPT 59100, 59120, 59130, 59136, 59150, 59151, 59840, 59841, 59850, 59851, 59852, 59855, 59856, 59857, S2260 through S2267,
 - Procedure ICD-9: 69.01, 69.51, 74.91, 96.49; ICD-10: 0WHR73Z, 0WHR7YZ, 10A0***, 3E1K78Z, 3E1K88Z

Breastfeeding Definition

Any of the following documented during the Report Period:

- POV ICD-9: V24.1; ICD-10: Z39.1
- Breastfeeding Patient Education codes BF-BC, BF-BP, BF-CS, BF-EQ, BF-FU, BF-HC, BF-ON, BF-M, BF-MK, BF-N or containing SNOMED 169745008, 200430001, 405029003, 406213009, 413711008, 413712001

Palliative Care

- POV ICD-9: V66.7; ICD-10: Z51.5

Cirrhosis of the liver

- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 571.2, 571.5, 571.6; ICD-10: K70.30, K70.31, K71.7, K74.3-K74.5, K74.60, K74.69, P78.81
 - SNOMED data set PXRMBGP CIRRHOISIS (Problem List only)

ESRD

End Stage Renal Disease diagnosis or treatment defined as any of the following ever:

- CPT 36145 (old code), 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831 through 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90951 through 90970 or old codes 90918 through 90925, 90935, 90937, 90939 (old code), 90940, 90945, 90947, 90989, 90993, 90997, 90999, 99512, 3066F, G0257, G0308 through G0327 (old codes), G0392 (old code), G0393 (old code), G9231, S2065, S9339
- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 585.6, V42.0, V45.1 (old code), V45.11, V45.12, V56.*; ICD-10: N18.6, Z48.22, Z49.*, Z91.15, Z94.0, Z99.2

- SNOMED data set PXRME END STAGE RENAL DISEASE (Problem List only)
- Procedure ICD-9: 38.95, 39.27, 39.42, 39.43, 39.53, 39.93 through 39.95, 54.98, 55.6*

Statins Numerator Logic

- **Statin Therapy Users**
 - CPT 4013F
- **Statin medication codes**
 - Defined with medication taxonomy BGP PQA STATIN MEDS.
 - **Statin medications are:** Atorvastatin (Lipitor), Fluvastatin (Lescol), Lovastatin (Altacor, Altoprev, Mevacor), Pravastatin (Pravachol), Pitavastatin (Livalo), Simvastatin (Zocor), Rosuvastatin (Crestor).
- **Statin Combination Products**
 - Niacin-lovastatin, Niacin-simvastatin, Ezetimibe-simvastatin, Amlodipine-Atorvastatin, Sitagliptin-simvastatin, Ezetimibe-atorvastatin.

2.1.4.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 61.9% for the proportion of patients with diagnosed diabetes and cardiovascular disease who are on statin therapy.

2.1.4.7 Patient Lists

- List of diabetic patients 40-75 or 21+ with CVD or LDL greater than or equal to (\geq) 190 with statin therapy.
- List of diabetic patients 40-75 or 21+ with CVD or LDL greater than or equal to (\geq) 190 without statin therapy.
- List of patients with denominator exclusions.

2.1.5 Diabetes: Nephropathy Assessment

2.1.5.1 Owner and Contact

Diabetes Program: Dr. Ann Bullock

2.1.5.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.1.5.3 Denominators

1. GPRA: Active Diabetic patients; defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, *and* at least two visits in the past year, *and* two DM-related visits ever. The key denominator for this and all diabetes-related topics is below.
2. User Population patients diagnosed with diabetes prior to the Report Period.

2.1.5.4 Numerators

1. GPRA: Patients with nephropathy assessment, defined as an estimated Glomerular Filtration Rate (GFR) with result *and* a Urine Albumin-to-Creatinine Ratio (UACR) during the Report Period *or* with evidence of diagnosis or treatment of end-stage renal disease (ESRD) at any time before the end of the Report Period.

2.1.5.5 Definitions

Diabetes

First DM POV ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.* recorded in the V POV file prior to the Report Period.

Estimated GFR

- Site-populated taxonomy BGP GPRA ESTIMATED GFR TAX
- LOINC taxonomy

Urine Albumin-to-Creatinine Ratio

- CPT 82043 WITH 82570
- LOINC taxonomy
- Site-populated taxonomy BGP QUANT UACR TESTS

Note: Check with your laboratory supervisor to confirm that the names you add to your taxonomy reflect quantitative test values.

ESRD

- ESRD diagnosis or treatment defined as any of the following ever:

- CPT 36145 (old code), 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831 through 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90951 through 90970 or old codes 90918 through 90925, 90935, 90937, 90939 (old code), 90940, 90945, 90947, 90989, 90993, 90997, 90999, 99512, 3066F, G0257, G0308 through G0327 (old codes), G0392 (old code), G0393 (old code), G9231, S2065, S9339
- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 585.6, V42.0, V45.1 (old code), V45.11, V45.12, V56.*; ICD-10: N18.6, Z48.22, Z49.*, Z91.15, Z94.0, Z99.2
 - SNOMED data set PXRМ END STAGE RENAL DISEASE (Problem List only)
- Procedure ICD-9: 38.95, 39.27, 39.42, 39.43, 39.53, 39.93 through 39.95, 54.98, 55.6*

2.1.5.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 63.3% for the proportion of patients with diagnosed diabetes who are assessed for nephropathy.

2.1.5.7 Patient Lists

- List of diabetic patients with nephropathy assessment.
- List of diabetic patients without nephropathy assessment.

2.1.6 Diabetic Retinopathy

2.1.6.1 Owner and Contact

Diabetes Program: Dr. Mark Horton

2.1.6.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.1.6.3 Denominators

1. GPRA: Active Diabetic patients; defined as Active Clinical patients diagnosed with diabetes prior to the Report Period, *and* at least two visits in the past year, *and* two DM-related visits ever, without a documented history of bilateral blindness. The key denominator for this and all diabetes-related topics is below.

2. User Population patients diagnosed with diabetes prior to the Report Period, without a documented history of bilateral blindness.

2.1.6.4 Numerators

1. GPRA: Patients receiving a qualified retinal evaluation during the Report Period.

Note: This numerator does *not* include refusals.

- A. Patients with a validated teleretinal visit¹ during the Report Period.
- B. Patients with an Ophthalmology visit during the Report Period.
- C. Patients with an Optometry visit during the Report Period.

2.1.6.5 Definitions

Diabetes

First DM POV ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.* recorded in the V POV file prior to the Report Period.

Qualified Retinal Evaluation

- Diabetic retinal exam
- Other eye exam

The following methods are qualifying for this measure:

- Dilated retinal evaluation by an optometrist or ophthalmologist.
- Seven standard fields stereoscopic photos (Early Treatment Diabetic Retinopathy Study [ETDRS]) evaluated by an optometrist or Ophthalmologist.
- Any photographic method formally validated² to seven standard fields (ETDRS).

Diabetic Retinal Exam

Any of the following during the Report Period:

- Exam code 03 Diabetic Eye Exam (dilated retinal examination or formally validated³ ETDRS photographic equivalent)

¹ Validation study properly powered and controlled against the ETDRS gold standard (American Telemedicine Association validation category 3).

² Ibid.

³ Validation study properly powered and controlled against the ETDRS gold standard (American Telemedicine Association validation category 3).

- CPT 2022F Dilated retinal eye exam, 2024F Seven standard field stereoscopic photos with interpretation by an ophthalmologist or optometrist, 2026F Eye imaging formally validated⁴ to match the diagnosis from seven standard field stereoscopic photos, S0620 Routine ophthalmological examination including refraction; new patient, S0621 Routine ophthalmological examination including refraction; established patient, S3000 Diabetic indicator; retinal eye exam, dilated, bilateral.

Other Eye Exam

- Non-DNKA (did not keep appointment) visits to ophthalmology or optometry clinics with an optometrist or ophthalmologist, or visits to formally validated⁵ teleophthalmology retinal evaluation clinics. Searches for any of the following codes in the following order:
 - CPT 67028, 67038 (old code), 67039, 67040, 92002, 92004, 92012, 92014
 - Clinic code A2 (Diabetic Retinopathy)⁶
 - Clinic codes 17⁷ or 18⁸ with Provider code 08, 24, or 79 or where the Service Category is not C (Chart Review) or T (Telecommunications).

JVN Visit

- Clinic code A2

Ophthalmology Visit

- Clinic code 17 with Provider code 79 where the Service Category is not C (Chart Review) or T (Telecommunications)

Optometry Visit

- Clinic code 18 with Provider codes 08 or 24 where the Service Category is not C (Chart Review) or T (Telecommunications)

Bilateral Blindness

- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 369.01, 369.03, 369.04; ICD-10: H54.0
 - SNOMED data set PXRMBGPBILATBLINDNESS (Problem List only)

⁴ Ibid.

⁵ Validation study properly powered and controlled against the ETDRS gold standard (American Telemedicine Association validation category 3).

⁶ Validated photographic (telerecinal) retinal surveillance (American Telemedicine Association validation category 3).

⁷ Ophthalmology or Optometry clinic codes (17, 18) cannot be used for non-qualifying photographic DR examination methods⁵ unless a dilated retinal examination by an ophthalmologist or optometrist is also accomplished during the same encounter.

⁸ Ibid.

- SNOMED data set PXRMBGPBLINDNESSUNSPECIFIED with Laterality equal to Bilateral (Problem List only)
- One code from (SNOMED data set PXRMBGPLEFT EYE BLIND (Problem List only) OR SNOMED data set PXRMBGPBLINDNESSUNSPECIFIED with Laterality equal to Left (Problem List only)) AND one code from (SNOMED data set PXRMBGPRIGHT EYE BLIND (Problem List only) OR SNOMED data set PXRMBGPBLINDNESSUNSPECIFIED with Laterality equal to Right (Problem List only))

2.1.6.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 63.1% for the proportion of patients with diagnosed diabetes who receive an annual retinal examination.

2.1.6.7 Patient Lists

- List of diabetic patients who received any retinal screening.
- List of diabetic patients who did not receive any retinal screening.

2.2 Dental Group

2.2.1 Access to Dental Services

2.2.1.1 Owner and Contact

Dental Program: Timothy L. Lozon, D.D.S., Tim Ricks, DMD, Carol Bassim, DMD, MHS

2.2.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.2.1.3 Denominators

1. GPRA: User Population patients. Broken down by age groups: 0 through 5, 6 through 21, 22 through 34, 35 through 44, 45 through 54, 55 through 74, 75 and older.

2.2.1.4 Numerators

1. GPRA: Patients with documented dental visit during the Report Period.

Note: This numerator does *not* include refusals.

2.2.1.5 Definitions

Documented Dental Visit

For non-PRC visits, searches for any of the following:

- Dental ADA code 0000, 0190, 0191
- CPT code D0190, D0191
- Exam code 30
- POV ICD-9: V72.2; ICD-10: Z01.20, Z01.21

For PRC visits, searches for any visit with an ADA code. PRC visit defined as Type code of C in Visit file.

2.2.1.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 29.7% for the proportion of patients who receive dental services.

2.2.1.7 Patient Lists

- List of patients with documented dental visit.
- List of patients without documented dental visit.

2.2.2 Dental Sealants

2.2.2.1 Owner and Contact

Dental Program: Timothy L. Lozon, D.D.S., Tim Ricks, DMD, Carol Bassim, DMD, MHS

2.2.2.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.2.2.3 Denominators

1. GPRA: User Population patients ages 2 through 15. Broken down by age groups 3 through 5, 6 through 9, 10 through 12, 13 through 15, and 5 through 19.

2.2.2.4 Numerators

1. GPRA: Patients with at least one or more intact dental sealants.

2. Count only (no percentage comparison to denominator). For patients meeting the User Population definition, the total number of dental sealants during the Report Period. Broken down by age group 2 through 15.

Note: This numerator does *not* include refusals.

2.2.2.5 Definitions

Intact Dental Sealant

- Any of the following documented during the Report Period:
 - Dental ADA codes 1351, 1352, 1353
 - CPT D1351, D1352, D1353
- OR any of the following documented during the past 3 years from the end of the Report Period, as long as it is not documented on the same visit as any of the above codes:
 - Dental ADA code 0007

If both ADA and CPT codes are found on the same visit, only the ADA will be counted.

For the count measure, only two sealants per tooth and only one repair (ADA code 1353 or CPT D1353) per tooth will be counted during the Report Period. Each tooth is identified by the data element Operative Site in RPMS.

2.2.2.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 16.6% for the proportion of patients with at least one or more intact dental sealants.

2.2.2.7 Patient Lists

- List of User Pop patients ages 2 through 15 with intact dental sealant.
- List of User Pop patients ages 2 through 15 without intact dental sealant.
- Patients who received dental sealants during Report Period.

2.2.3 Topical Fluoride

2.2.3.1 Owner and Contact

Dental Program: Timothy L. Lozon, D.D.S., Tim Ricks, DMD, Carol Bassim, DMD, MHS

2.2.3.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.2.3.3 Denominators

1. GPRA: User Population patients ages 1 through 15.

2.2.3.4 Numerators

1. GPRA: Patients who received one or more topical fluoride applications during the Report Period.
2. Count only (no percentage comparison to denominator). For patients meeting the User Population definition, the total number of patients with at least one topical fluoride treatment during the Report Period. Broken down by age group 1 through 15.

Note: This numerator does *not* include refusals.

2.2.3.5 Definitions

Topical Fluoride Application

Defined as any of the following:

- Dental ADA codes 1201 (old code), 1203 (old code), 1204 (old code), 1205 (old code), 1206, 1208, 5986
- CPT D1201 (old code), D1203 (old code), D1204 (old code), D1206, D1208, D5986, 99188
- POV ICD-9: V07.31

For the count measure, a maximum of one application per patient per visit is allowed. A maximum of four topical fluoride applications are allowed per patient per year for the applications measure.

2.2.3.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 29.9% for the proportion of patients who receive at least one topical fluoride application.

2.2.3.7 Patient Lists

- List of User Pop patients ages 1 through 15 with topical fluoride application.
- List of User Pop patients ages 1 through 15 without topical fluoride application.

- Patients who received at least one topical fluoride application during Report Period.

2.3 Immunization Group

2.3.1 Influenza

2.3.1.1 Owner and Contact

Epidemiology Program: Amy Groom, MPH

2.3.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.3.1.3 Denominators

1. GPRA: Active Clinical patients ages 6 months to 17 years.
2. GPRA: Active Clinical patients ages 18 and older.
3. Active Clinical patients ages 65 and older.
4. User Population patients ages 6 months to 17 years.
5. User Population patients ages 18 and older.

2.3.1.4 Numerators

1. GPRA: Patients with influenza vaccine documented during the Report Period or with a contraindication documented at any time before the end of the Report Period.

Note: The only refusals included in this numerator are documented not medically indicated (NMI) refusals.

A. Patients with a contraindication or a documented NMI refusal.

2.3.1.5 Definitions

Influenza Vaccine

Any of the following documented during the Report Period:

- Immunization (CVX) codes 15, 16, 88, 111, 135, 140, 141, 144, 149, 150, 151, 153, 155, 158, 161, 166

- POV ICD-9: V04.8 (old code), V04.81 *not* documented with 90663, 90664, 90666 through 90668, 90470, G9141 or G9142, or V06.6 *not* documented with 90663, 90664, 90666 through 90668, 90470, G9141 or G9142
- CPT 90630, 90654 through 90662, 90672, 90673, 90685 through 90688, 90724 (old code), G0008, G8108 (old code)

Contraindication to Influenza Vaccine

Any of the following documented at any time before the end of the Report Period:

- Contraindication in the Immunization Package of “Egg Allergy” or “Anaphylaxis”
- PCC NMI Refusal

2.3.1.6 GPRA 2017 Target

Children: During GPRA Year 2017, achieve the target rate of 37.1% for the proportion of patients age 6 months through 17 years who receive an influenza immunization.

Adults: During GPRA Year 2017, achieve the target rate of 38.7% for the proportion of patients age 18 years and older who receive an influenza immunization.

2.3.1.7 Patient Lists

- List of patients 6 months to 17 years with influenza vaccination, contraindication, or NMI refusal.
- List of patients 6 months to 17 years without influenza vaccination, contraindication, or NMI refusal.
- List of patients 18 years and older with influenza vaccination, contraindication, or NMI refusal.
- List of patients 18 years and older without influenza vaccination, contraindication, or NMI refusal.

2.3.2 Adult Immunizations

2.3.2.1 Owner and Contact

Epidemiology Program: Amy Groom, MPH

2.3.2.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.3.2.3 Denominators

1. GPRA: Active Clinical patients ages 65 and older.
2. User Population patients ages 65 and older.

2.3.2.4 Numerators

1. GPRA: Patients with Pneumococcal vaccine or contraindication documented ever and, if patient is older than 65 years, either a dose of pneumococcal vaccine after the age of 65 or a dose of pneumococcal vaccine in the past 5 years.

Note: The only refusals included in this numerator are documented NMI refusals.

- A. Patients with a contraindication or a documented NMI refusal.
2. Patients with Pneumococcal vaccine or contraindication documented at any time before the end of the Report Period.

2.3.2.5 Definitions

Pneumococcal Vaccine

Any of the following documented any time before the end of the Report Period:

- Immunization (CVX) codes 33, 100, 109, 133, 152
- POV ICD-9: V06.6, V03.82
- CPT 90732, 90669, 90670, G0009, G8115 (old code), G9279

Contraindication to Pneumococcal Vaccine

Any of the following documented any time before the end of the Report Period:

- Contraindication in the Immunization Package of “Anaphylaxis”
- PCC NMI Refusal

2.3.2.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 86.7% for the proportion of adult patients age 65 years and older who receive a pneumococcal immunization.

2.3.2.7 Patient Lists

- List of patients 65 years and older with pneumococcal immunization or contraindication.

- List of patients 65 years and older without pneumococcal immunization or contraindication.

2.3.3 Childhood Immunizations

2.3.3.1 Owner and Contact

Epidemiology Program: Amy Groom, MPH

2.3.3.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.3.3.3 Denominators

1. Active Clinical patients ages 19 through 35 months at end of Report Period.
2. GPRAMA: User Population patients active in the Immunization Package who are 19 through 35 months at end of Report Period.

Note: Sites must be running the RPMS Immunization package for this denominator. Sites not running the package will have a value of zero for this denominator.

3. User Population patients ages 19 through 35 months at end of Report Period.

2.3.3.4 Numerators

1. GPRAMA: Patients who have received the 4:3:1:3*:3:1:4 combination (i.e., 4 DTaP, 3 Polio, 1 MMR, 3 or 4 HiB, 3 Hepatitis B, 1 Varicella, 4 Pneumococcal), including contraindications and evidence of disease.

Note: The only refusals included in this numerator are documented NMI refusals.

2. Patients who have received 4 doses of DTaP ever, including contraindications.

Note: The only refusals included in this numerator are documented NMI refusals.

3. Patients who have received 3 doses of Polio ever, including contraindications and evidence of disease.

Note: The only refusals included in this numerator are documented NMI refusals.

4. Patients who have received 1 dose of MMR ever, including contraindications, and evidence of disease.

Note: The only refusals included in this numerator are documented NMI refusals.

5. Patients who have received 3 or 4 doses of HiB ever, including contraindications.

Note: The only refusals included in this numerator are documented NMI refusals.

6. Patients who have received 3 doses of Hepatitis B vaccine ever, including contraindications and evidence of disease.

Note: The only refusals included in this numerator are documented NMI refusals.

7. Patients who have received 1 dose of Varicella ever, including contraindications and evidence of disease.

Note: The only refusals included in this numerator are documented NMI refusals.

8. Patients who have received 4 doses of Pneumococcal conjugate vaccine ever, including contraindications.

Note: The only refusals included in this numerator are documented NMI refusals.

2.3.3.5 Definitions

Patient Age

Since the age of the patient is calculated at the beginning of the Report Period, the age range will be adjusted to 7 through 23 months at the beginning of the Report Period, which makes the patient between the ages of 19 through 35 months at the end of the Report Period.

Timing of Doses

Because IZ data comes from multiple sources, any IZ codes documented on dates within 10 days of each other will be considered as the same immunization.

Active Immunization Package Patients Denominator

Same as User Population definition *except* includes only patients flagged as active in the Immunization Package.

Note: Only values for the Report Period will be reported for this denominator since currently there is not a way to determine if a patient was active in the Immunization Package during the previous year or baseline periods.

Dosage and Types of Immunizations

- 4 Doses of DTaP
 - 4 DTaP or DTP or Tdap
 - 1 DTaP or DTP or Tdap and 3 DT or Td
 - 1 DTaP or DTP or Tdap and 3 each of Diphtheria and Tetanus
 - 4 DT and 4 Acellular Pertussis
 - 4 Td and 4 Acellular Pertussis, or
 - 4 each of Diphtheria, Tetanus, and Acellular Pertussis
- 3 Doses of Polio
 - 3 OPV
 - 3 IPV, or
 - Combination of OPV & IPV totaling 3 doses
- One Dose of MMR
 - MMR
 - 1 M/R and 1 Mumps
 - 1 R/M and one Measles, or
 - 1 each of Measles, Mumps, and Rubella
- 3 or 4 doses of HIB, depending on the vaccine administered
- 3 doses of Hep B
- 1 dose of Varicella
- 4 doses of Pneumococcal

NMI refusals, Contraindication, and Evidence of Disease Information

NMI refusals, evidence of disease, and contraindications for individual immunizations will also count toward meeting the definition, as defined below.

Note: NMI refusals are *not* counted as refusals; rather, they are counted as contraindications.

- For immunizations that allow a different number of doses (e.g., 3 or 4 HIB): To count toward the numerator with the smaller number of doses, all of the patient's vaccinations must be part of the smaller dose series. For example, for a patient to count toward the HIB numerator with only 3 doses, all 3 doses must be included in the 3-dose series codes listed in the HIB definition. A patient with a mix of 3-dose and 4-dose series codes will need 4 doses to count toward the numerator. An exception to this is for the HIB vaccine: if the first 2 doses are part of the 3-dose series, then the patient only needs 3 doses (even if the third dose is included in the 4-dose series).
- Each immunization must be refused and documented separately. For example, if a patient has an NMI refusal for Rubella only, then there must be an immunization, contraindication, or separate NMI refusal for the Measles and Mumps immunizations.
- For immunizations where required number of doses is greater than one, only one NMI refusal is necessary to be counted in the numerator. For example, if there is a single NMI refusal for Hepatitis B, the patient will be included in the numerator.
- To be counted as evidence of disease or contraindication or NMI refusal, a patient must have evidence of disease, a contraindication, or an NMI refusal for any of the immunizations in the numerator. For example, if a patient was Rubella immune but had a Measles and Mumps immunization, the patient would be counted as having evidence of disease for MMR.
- For immunizations where required number of doses is greater than one, only one contraindication is necessary to be counted in the numerator. For example, if there is a single contraindication for HiB, the patient will be included in the numerator
- Evidence of disease will be checked for at any time in the child's life (prior to the end of the Report Period.).

NMI Refusal Definitions

PCC Refusal type NMI for any of the following codes:

- DTaP
 - Immunization (CVX) codes 20, 50, 102, 106, 107, 110, 120, 130, 132, 146
 - CPT 90696, 90698, 90700, 90721, 90723
- DTP
 - Immunization (CVX) codes 1, 22, 102
 - CPT 90701, 90711 (old code), 90720
- Tdap

- Immunization (CVX) code 115
 - CPT 90715
- DT
 - Immunization (CVX) code 28
 - CPT 90702
- Td
 - Immunization (CVX) codes 9, 113, 138, 139
 - CPT 90714, 90718
- Diphtheria
 - CPT 90719
- Tetanus
 - Immunization (CVX) codes 35, 112
 - CPT 90703
- Acellular Pertussis
 - Immunization (CVX) code 11
- OPV
 - Immunization (CVX) codes 2, 89
 - CPT 90712
- IPV
 - Immunization (CVX) codes 10, 89, 110, 120, 130, 132, 146
 - CPT 90696, 90698, 90711 (old code), 90713, 90723
- MMR
 - Immunization (CVX) codes 3, 94
 - CPT 90707, 90710
- M/R
 - Immunization (CVX) code 4
 - CPT 90708
- R/M
 - Immunization (CVX) code 38
 - CPT 90709 (old code)
- Measles
 - Immunization (CVX) code 5
 - CPT 90705

- Mumps
 - Immunization (CVX) code 7
 - CPT 90704
- Rubella
 - Immunization (CVX) code 6
 - CPT 90706
- HiB
 - Immunization (CVX) codes 17, 22, 46 through 49, 50, 51, 102, 120, 132, 146
 - CPT 90645 through 90648, 90698, 90720 through 90721, 90737 (old code), 90748
- Hepatitis B
 - Immunization (CVX) codes 8, 42 through 45, 51, 102, 104, 110, 132, 146
 - CPT 90636, 90723, 90731 (old code), 90740, 90743 through 90748, G0010, Q3021 (old code), Q3023 (old code)
- Varicella
 - Immunization (CVX) codes 21, 94
 - CPT 90710, 90716
- Pneumococcal
 - Immunization (CVX) codes 33, 100, 109, 152
 - CPT 90669, 90670, 90732, G0009, G8115 (old code), G9279

Immunization Definitions

- DTaP
 - Immunization (CVX) codes 20, 50, 102, 106, 107, 110, 120, 130, 132, 146
 - POV ICD-9: V06.1
 - CPT 90696, 90698, 90700, 90721, 90723
- DTaP Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- DTP
 - Immunization (CVX) codes 1, 22, 102
 - POV ICD-9: V06.1, V06.2, V06.3
 - CPT 90701, 90711 (old code), 90720
- DTP Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”

- Tdap
 - Immunization (CVX) code 115
 - CPT 90715
- Tdap Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- DT
 - Immunization (CVX) code 28
 - POV ICD-9: V06.5
 - CPT 90702
- DT Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Td
 - Immunization (CVX) codes 9, 113, 138, 139
 - POV ICD-9: V06.5
 - CPT 90714, 90718
- Td Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Diphtheria
 - POV ICD-9: V03.5
 - CPT 90719
- Diphtheria Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Tetanus
 - Immunization (CVX) codes 35, 112
 - POV ICD-9: V03.7
 - CPT 90703
- Tetanus Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Acellular Pertussis
 - Immunization (CVX) code 11
 - POV ICD-9: V03.6
- Acellular Pertussis Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”

- OPV
 - Immunization (CVX) codes 2, 89
 - CPT 90712
- OPV Contraindication Definition
 - Immunization Package contraindication of “Immune Deficiency”
- IPV
 - Immunization (CVX) codes 10, 89, 110, 120, 130, 132, 146
 - POV ICD-9: V04.0, V06.3
 - CPT 90696, 90698, 90711 (old code), 90713, 90723
- IPV Evidence of Disease Definitions
 - POV or PCC Problem List (active or inactive) ICD-9: 730.70 through 730.79; ICD-10: M89.6*
 - SNOMED data set PXRMBGP POLIO (Problem List only)
- IPV Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis” or “Neomycin Allergy”
- MMR
 - Immunization (CVX) codes 3, 94
 - POV ICD-9: V06.4
 - CPT 90707, 90710
- MMR Contraindication Definitions
 - Immunization Package contraindication of “Anaphylaxis”, “Immune Deficiency”, or “Neomycin Allergy”
- M/R
 - Immunization (CVX) code 4
 - CPT 90708
- M/R Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- R/M
 - Immunization (CVX) code 38
 - CPT 90709 (old code)
- R/M Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Measles

- Immunization (CVX) code 5
- POV ICD-9: V04.2
- CPT 90705
- Measles Evidence of Disease Definition
 - POV or PCC Problem List (active or inactive) ICD-9: 055*; ICD-10: B05.*
 - SNOMED data set PXRMBGPMEASLES (Problem List only)
- Measles Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Mumps
 - Immunization (CVX) code 7
 - POV ICD-9: V04.6
 - CPT 90704
- Mumps Evidence of Disease Definition
 - POV or PCC Problem List (active or inactive) ICD-9: 072*; ICD-10: B26.*
- Mumps Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Rubella
 - Immunization (CVX) code 6
 - POV ICD-9: V04.3
 - CPT 90706
- Rubella Evidence of Disease Definitions
 - POV or PCC Problem List (active or inactive) ICD-9: 056*, 771.0; ICD-10: B06.*
 - SNOMED data set PXRMBGPRUBELLA (Problem List only)
- Rubella Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- HiB
 - 3-dose series:
 - Immunization (CVX) codes 49, 51
 - CPT 90647, 90748
 - 4-dose series:

- Immunization (CVX) codes 17, 22, 46 through 48, 50, 102, 120, 132, 146
- POV ICD-9: V03.81
- CPT 90645, 90646, 90648, 90698, 90720, 90721, 90737 (old code)
- HiB Contraindication Definition
 - Immunization Package contraindication of “Anaphylaxis”
- Hepatitis B
 - Immunization (CVX) codes 8, 42 through 45, 51, 102, 104, 110, 132, 146
 - CPT 90636, 90723, 90731 (old code), 90740, 90743 through 90748, G0010, Q3021 (old code), Q3023 (old code)
- Hepatitis B evidence of disease definition
 - POV or PCC Problem List (active or inactive) ICD-9: V02.61, 070.2*, 070.3*; ICD-10: B16.*, B19.1*, Z22.51
 - SNOMED data set PXRMBGPHEPATITIS B (Problem List only)
- Hepatitis B contraindication definition
 - Immunization Package contraindication of “Anaphylaxis”
- Varicella
 - Immunization (CVX) codes 21, 94
 - POV ICD-9: V05.4
 - CPT 90710, 90716
- Varicella Evidence of Disease Definition
 - POV or PCC Problem List (active or inactive) ICD-9: 052*, 053*; ICD-10: B01.* through B02.*
 - SNOMED data set PXRMBGPVARICELLA (Problem List only)
 - Immunization Package contraindication of “Hx of Chicken Pox” or “Immune”
- Varicella Contraindication Definitions
 - Immunization Package contraindication of “Anaphylaxis”, “Immune Deficiency”, or “Neomycin Allergy”
- Pneumococcal
 - Immunization (CVX) codes 33, 100, 109, 133, 152
 - POV ICD-9: V06.6, V03.82
 - CPT 90669, 90670, 90732, G0009, G8115 (old code), G9279
- Pneumococcal Contraindication Definition

- Immunization Package contraindication of “Anaphylaxis”

2.3.3.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 74.8% for the proportion of AI/AN children ages 19 through 35 months who have received the recommended immunizations.

Notes: In FY 2013, the GPRA measure changed to the 4:3:1:3*:3:1:4 combination, which includes 3 or 4 HiB.

In FY 2011, the GPRA measure changed to the 4:3:1:3:3:1:4 combination, which includes pneumococcal.

2.3.3.7 Patient Lists

Note: Because age is calculated at the beginning of the Report Period, the patient’s age on the list will be between 7 and 23 months.

- List of Active Clinical patients ages 19 through 35 months who received the 4:3:1:3*:3:1:4 combination (4 DTaP, 3 Polio, 1 MMR, 3 or 4 HiB, 3 Hep B, 1 Varicella, 4 Pneumococcal).
- List of Active Clinical patients ages 19 through 35 months who have not received the 4:3:1:3*:3:1:4 combination (4 DTaP, 3 Polio, 1 MMR, 3 or 4 HiB, 3 Hep B, 1 Varicella, 4 Pneumococcal). If a patient did not have all doses in a multiple dose vaccine, the IZ will not be listed. For example, if a patient only had two DTaP, no IZ will be listed for DTaP.
- List of Active Immunization Package patients ages 19 through 35 months who received the 4:3:1:3*:3:1:4 combination (4 DTaP, 3 Polio, 1 MMR, 3 or 4 HiB, 3 Hep B, 1 Varicella, and 4 Pneumococcal).
- List of Active Immunization Package patients ages 19 through 35 months who have not received the 4:3:1:3*:3:1:4 combination (4 DTaP, 3 Polio, 1 MMR, 3 or 4 HiB, 3 Hep B, 1 Varicella, and 4 Pneumococcal). If a patient did not have all doses in a multiple dose vaccine, the IZ will not be listed. For example, if a patient only had 2 DTaP, no IZ will be listed for DTaP.

2.4 Cancer Screening Group

2.4.1 Cancer Screening: Pap Smear Rates

2.4.1.1 Owner and Contact

Carolyn Aoyama, CNM, MPH

2.4.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.4.1.3 Denominators

1. GPRA: Female Active Clinical patients ages 24 through 64 without a documented history of hysterectomy.

Note: Patients must be at least 24 years of age at the beginning of the Report Period and less than 65 years of age as of the end of the Report Period.

2. Female Active Clinical patients ages 24 through 29 without documented history of hysterectomy.
3. Female Active Clinical patients ages 30 through 64 without documented history of hysterectomy.
4. Female User Population patients ages 24 through 64 without a documented history of hysterectomy.

Note: Patients must be at least 24 years of age at the beginning of the Report Period and less than 65 years of age as of the end of the Report Period.

2.4.1.4 Numerators

1. GPRA: Patients with a Pap smear documented in the past 3 years, or if patient is 30 to 64 years of age, either a Pap Smear documented in the past 3 years or a Pap Smear and an HPV DNA documented in the past 5 years.

Note: This numerator does *not* include refusals.

2. Patients with a Pap Smear documented in the past 3 years.

Note: This numerator does *not* include refusals.

3. Patients with a Pap Smear documented 3-5 years ago and an HPV DNA documented in the past 5 years.

Note: This numerator does *not* include refusals.

2.4.1.5 Definitions

Age

Age of the patient is calculated at the beginning of the Report Period. Patients must be at least 24 years of age at the beginning of the Report Period and less than 65 years of age as of the end of the Report Period.

Hysterectomy

Defined as any of the following ever:

- Procedure ICD-9: 68.4 through 68.9; ICD-10: 0UT9*ZZ
- CPT 51925, 56308 (old code), 58150, 57540, 57545, 57550, 57555, 57556, 58152, 58200 through 58294, 58548, 58550 through 58554, 58570 through 58573, 58951, 58953 through 58954, 58956, 59135
- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 618.5, 752.43, V88.01, V88.03; ICD-10: N99.3, Z12.72, Z90.710, Z90.712, Q51.5
 - SNOMED data set PXRMBGP HYSTERECTOMY DX (Problem List only)
- Women's Health procedure called Hysterectomy

Pap Smear

- Lab PAP SMEAR
- POV ICD-9: V76.2 Screen Mal Neop-Cervix, V72.32 Encounter for Pap Cervical Smear to Confirm Findings of Recent Normal Smear Following Initial Abnormal Smear, 795.0*; ICD-10: R87.61*, R87.810, R87.820, Z01.42, Z12.4
- CPT 88141 through 88154, 88160 through 88167, 88174 through 88175, G0123, G0124, G0141, G0143 through G0145, G0147, G0148, P3000, P3001, Q0091 Screening Pap Smear
- Women's Health procedure called Pap Smear and where the result does not have "ERROR/DISREGARD"
- LOINC taxonomy

- Site-populated taxonomy BGP GPRA PAP SMEAR TAX

HPV DNA

Note: CRS will only search for a documented HPV DNA if the patient had a Pap Smear 3 to 5 years ago.

- Lab HPV
- POV ICD-9: V73.81, 079.4, 796.75, 795.05, 795.15, 796.79, 795.09, 795.19; ICD-10: B97.7, R85.618, R85.81, R85.82, R87.628, R87.810, R87.811, R87.820, R87.821, Z11.51
- CPT 87620 through 87622 (old codes), 87623 through 87625
- Women's Health procedure called HPV Screen and where the result does NOT have "ERROR/DISREGARD"
- Women's Health procedure called Pap Smear and where the HPV field equals Yes
- LOINC taxonomy
- Site-populated taxonomy BGP HPV TAX

2.4.1.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 56.1% for the proportion of female patients ages 24 through 64 years without a documented history of hysterectomy who have had a Pap screen within the previous 3 years, or if the patient is over 30, had a Pap screen in the past 3 years or a Pap screen and HPV DNA within the previous 5 years.

2.4.1.7 Patient Lists

- List of female patients with a Pap smear documented in the past 3 years or Pap plus HPV in past 5 years.
- List of female patients without a Pap smear documented in the past 3 years or Pap plus HPV in past 5 years.

2.4.2 Cancer Screening: Mammogram Rates

2.4.2.1 Owner and Contact

Carolyn Aoyama, CNM, MPH

2.4.2.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.4.2.3 Denominators

1. GPRA: Female Active Clinical patients ages 52 through 64 years, without a documented bilateral mastectomy or two separate unilateral mastectomies.

Note: The patients must be at least 52 years of age as of the beginning of the Report Period and less than 65 years of age as of the end of the Report Period.

2. Female User Population patients ages 52 through 64 years, without a documented bilateral mastectomy or two separate unilateral mastectomies.

Note: The patients must be at least 52 years of age as of the beginning of the Report Period and less than 65 years of age as of the end of the Report Period.

2.4.2.4 Numerators

1. GPRA: All patients who had a Mammogram documented in the past 2 years.

Note: This numerator does *not* include refusals.

2.4.2.5 Definitions

Age

Age of the patient is calculated at the beginning of the Report Period. For all denominators, patients must be at least the minimum age as of the beginning of the Report Period. For the 52 through 64 denominator, the patients must be less than 65 years of age as of the end of the Report Period.

Bilateral Mastectomy

- CPT 19300.50 through 19307.50 OR 19300 through 19307 with modifier 09950 (50 and 09950 modifiers indicate bilateral), or old codes 19180, 19200, 19220, or 19240, with modifier of 50 or 09950, or
- Procedure ICD-9: 85.42, 85.44, 85.46, 85.48; ICD-10: 0HBV0ZZ, 0HCV0ZZ, 0HTV0ZZ
- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-10: Z90.13

- SNOMED data set PXRMBGPBILATMASTECTOMY (Problem List only)

Two Separate Unilateral Mastectomies

Requires either of the following:

- Must have one code that indicates a right mastectomy and one code that indicates a left mastectomy
- Must have 2 separate occurrences on 2 different dates of service for one code that indicates a mastectomy on unknown side and one code that indicates either a right or left mastectomy, or two codes that indicate a mastectomy on unknown side

Right Mastectomy

- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-10: Z90.11
 - SNOMED data set PXRMBGPRIGHTMASTECTOMY (Problem List only)
- Procedure ICD-10: 07T50ZZ, 07T80ZZ, 0HBT0ZZ, 0HCT0ZZ, 0HTT0ZZ

Left Mastectomy

- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-10: Z90.12
 - SNOMED data set PXRMBGPLEFTMASTECTOMY (Problem List only)
- Procedure ICD-10: 07T60ZZ, 07T90ZZ, 0HBU0ZZ, 0HCU0ZZ, 0HTU0ZZ

Mastectomy on Unknown Side

- CPT 19300 through 19307, or old codes 19180, 19200, 19220, 19240
- Procedure ICD-9: 85.41, 85.43, 85.45, 85.47

Mammogram

- Radiology or CPT 77052 through 77059, 76090 (old code), 76091 (old code), 76092 (old code), G0206, G0204, G0202
- POV ICD-9: V76.11, V76.12, 793.80 Abnormal mammogram, unspecified, 793.81 Mammographic microcalcification, 793.89, Other abnormal findings on radiological exam of breast; ICD-10: R92.0, R92.1, R92.8, Z12.31
- Procedure ICD-9: 87.36, 87.37; ICD-10: BH00ZZZ, BH01ZZZ, BH02ZZZ
- Women's Health procedure called Mammogram Screening, Mammogram Dx Bilat, Mammogram Dx Unilat and where the mammogram result does *not* have "ERROR/DISREGARD"

2.4.2.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 56.7% for the proportion of female patients ages 52 through 64 who have had mammography screening within the last 2 years.

2.4.2.7 Patient Lists

- List of female patients with a Mammogram documented in the past 2 years.
- List of female patients without a Mammogram documented in the past 2 years.

2.4.3 Colorectal Cancer Screening

Notes: Based on the HEDIS definition which has lowered the upper age from 80 to 75.

Numerator does not include Double Contrast Barium Enema (DCBE).

2.4.3.1 Owner: Contact

Epidemiology Program: Don Haverkamp

2.4.3.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.4.3.3 Denominators

1. GPRA: Active Clinical patients ages 50 through 75 without a documented history of colorectal cancer or total colectomy.

Note: Since HEDIS calculates age at the end of the Report Period, the patient's at the beginning of the Report Period must be at least 50 years of age and 51 years of age at the end of the Report Period.

2. User Population patients ages 50 through 75 without a documented history of colorectal cancer or total colectomy.

Note: Since HEDIS calculates age at the end of the Report Period, the patient's at the beginning of the Report Period must be at least 50 years of age and 51 years of age at the end of the Report Period.

2.4.3.4 Numerators

1. GPRA: Patients who have had any Colorectal Cancer (CRC) screening, defined as any of the following:
 - A. Fecal Occult Blood Test (FOBT) or FIT during the Report Period
 - B. Flexible sigmoidoscopy in the past 5 years
 - C. Colonoscopy in the past 10 years
2. Patients with Fecal Occult Blood test (FOBT) or Fecal Immunochemical Test (FIT) during the Report Period.

2.4.3.5 Definitions

Denominator Exclusions

Any diagnosis ever of one of the following:

- Colorectal Cancer
 - Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 153.*, 154.0, 154.1, 197.5, V10.05; ICD-10: C18.*, C19, C20, C78.5, Z85.030, Z85.038
 - SNOMED data set PXRMCOLORECTALCANCER (Problem List only)
 - CPT G0213 through G0215 (old codes), G0231 (old code)
- Total Colectomy
 - CPT 44150 through 44151, 44152 (old code), 44153 (old code), 44155 through 44158, 44210 through 44212
 - Procedure ICD-9: 45.8*; ICD-10: 0DTE*ZZ

Colorectal Cancer Screening

The most recent of any of the following during applicable timeframes:

- FOBT or FIT
 - CPT 82270, 82274, 89205 (old code), G0107 (old code), G0328, G0394 (old code)
 - LOINC taxonomy
 - Site-populated taxonomy BGP GPRA FOB TESTS
- Flexible Sigmoidoscopy
 - Procedure ICD-9: 45.24; ICD-10: 0DJD8ZZ
 - CPT 45330 through 45345, G0104
- Colonoscopy

- Procedure ICD-9: 45.22, 45.23, 45.25, 45.42, 45.43; ICD-10: 0D5E4ZZ, 0D5E8ZZ, 0D5F4ZZ, 0D5F8ZZ, 0D5G4ZZ, 0D5G8ZZ, 0D5H4ZZ, 0D5H8ZZ, 0D5K4ZZ, 0D5K8ZZ, 0D5L4ZZ, 0D5L8ZZ, 0D5M4ZZ, 0D5M8ZZ, 0D5N4ZZ, 0D5N8ZZ, 0D9E3ZX, 0D9E4ZX, 0D9E7ZX, 0D9E8ZX, 0D9F3ZX, 0D9F4ZX, 0D9F7ZX, 0D9F8ZX, 0D9G3ZX, 0D9G4ZX, 0D9G7ZX, 0D9G8ZX, 0D9H3ZX, 0D9H4ZX, 0D9H7ZX, 0D9H8ZX, 0D9K3ZX, 0D9K4ZX, 0D9K7ZX, 0D9K8ZX, 0D9L3ZX, 0D9L4ZX, 0D9L7ZX, 0D9L8ZX, 0D9M3ZX, 0D9M4ZX, 0D9M7ZX, 0D9M8ZX, 0D9N3ZX, 0D9N4ZX, 0D9N7ZX, 0D9N8ZX, 0DBE3ZX, 0DBE4ZX, 0DBE7ZX, 0DBE8ZX, 0DBE8ZZ, 0DBF3ZX, 0DBF4ZX, 0DBF7ZX, 0DBF8ZX, 0DBF8ZZ, 0DBG3ZX, 0DBG4ZX, 0DBG7ZX, 0DBG8ZX, 0DBG8ZZ, 0DBH3ZX, 0DBH4ZX, 0DBH7ZX, 0DBH8ZX, 0DBH8ZZ, 0DBK3ZX, 0DBK4ZX, 0DBK7ZX, 0DBK8ZX, 0DBK8ZZ, 0DBL3ZX, 0DBL4ZX, 0DBL7ZX, 0DBL8ZX, 0DBL8ZZ, 0DBM3ZX, 0DBM4ZX, 0DBM7ZX, 0DBM8ZX, 0DBM8ZZ, 0DBN3ZX, 0DBN4ZX, 0DBN7ZX, 0DBN8ZX, 0DBN8ZZ, 0DJD8ZZ
- CPT 44388 through 44394, 44397, 45355, 45378 through 45387, 45391, 45392, G0105, G0121, G9252, G9253

2.4.3.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 40.2% for the proportion of clinically appropriate patients ages 50 through 75 years who have received colorectal screening.

2.4.3.7 Patient Lists

- List of patients ages 50 through 75 years with CRC screening (HEDIS definition).
- List of patients ages 50 through 75 years without CRC screening (HEDIS definition).

2.4.4 Tobacco Use and Exposure Assessment

2.4.4.1 Owner and Contact

Chris Lamer, PharmD, Epidemiology Program: Dayle Knutson

2.4.4.2 National Reporting

NATIONAL (included in IHS Performance Report; *not* reported to OMB and Congress)

2.4.4.3 Denominators

1. Active Clinical patients ages 5 and older.

2.4.4.4 Numerators

1. Patients screened for tobacco use during the Report Period.
2. Patients identified during the Report Period as current tobacco users.
 - A. Current smokers
 - B. Current smokeless tobacco users
3. Patients exposed to ETS during the Report Period.

2.4.4.5 Definitions**Tobacco Screening**

At least one of the following:

- Any Health Factor for category Tobacco, TOBACCO (SMOKING), TOBACCO (SMOKELESS – CHEWING/DIP), TOBACCO (EXPOSURE)
- POV or Problem List entry where the status is not Inactive or Deleted:
 - ICD-9: 305.1, 305.1* (old codes), 649.00 through 649.04, V15.82 (tobacco-related diagnosis); ICD-10: F17.2*, O99.33*, Z72.0, Z87.891
 - SNOMED data set PXRMBGP TOBACCO SCREENED (Problem List only)
- Dental code 1320
- Patient Education codes containing “TO-”, “-TO”, “-SHS,” 305.1, 305.1* (old codes), 649.00 through 649.04, V15.82, D1320, 99406, 99407, G0375 (old code), G0376 (old code), 1034F, 1035F, 1036F, 1000F, G8455 through G8457 (old codes), G8402 (old code), G8453 (old code), G9275, G9276, or SNOMED codes 160603005, 160604004, 160605003, 160606002, 160619003, 191887008, 191888003, 191889006, 228494002, 228504007, 228514003, 228515002, 228516001, 228517005, 228518000, 230059006, 230060001, 230062009, 230063004, 230064005, 230065006, 266920004, 428041000124106, 428061000124105, 428071000124103, 449868002, 59978006, 65568007, 77176002, 81703003, 82302008, 89765005
- CPT D1320, 99406, 99407, G0375 (old code), G0376 (old code), G8455 through G8457 (old codes), G8402 (old code), G8453 (old code), G9275, G9276, 1034F (Current Tobacco Smoker), 1035F (Current Smokeless Tobacco User), 1036F (Current Tobacco Non-User), 1000F (Tobacco Use Assessed)

Tobacco Users

- Health Factors: Current Smoker, Current Smokeless, Current Smoker and Smokeless, Cessation-Smoker, Cessation-Smokeless, Current Smoker, status unknown, Current smoker, every day, Current smoker, some day, Heavy Tobacco Smoker, Light Tobacco Smoker
- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 305.1, 305.10 through 305.12 (old codes), 649.00 through 649.04; ICD-10: F17.2*0, F17.2*3, F17.2*8, F17.2*9, O99.33*, Z72.0
 - SNOMED data set PXRMBGP CURRENT TOBACCO (Problem List only)
- CPT 99406, 99407, G0375 (old code), G0376 (old code), 1034F, 1035F, G8455 (old code), G8456 (old code), G8402 (old code), G8453 (old code), G9276

Current Smokers

- Health Factors: Current Smoker, Current Smoker and Smokeless, Cessation-Smoker, Current Smoker, status unknown, Current smoker, every day, Current smoker, some day, Heavy Tobacco Smoker, Light Tobacco Smoker
- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 305.1, 305.10 through 305.12 (old codes), 649.00 through 649.04; ICD-10: F17.200, F17.203 through F17.210, F17.213 through F17.290, F17.293 through F17.299, O99.33*
 - SNOMED data set PXRMBGP TOBACCO SMOKER (Problem List only)
- CPT 99406, 99407, G0375 (old code), G0376 (old code), 1034F, G8455 (old code), G8402 (old code), G8453 (old code)

Current Smokeless

- Health Factors: Current Smokeless, Current Smoker and Smokeless, Cessation-Smokeless
- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-10: F17.220, F17.223 through F17.229
 - SNOMED data set PXRMBGP TOBACCO SMOKELESS (Problem List only)
- CPT 1035F, G8456 (old code)

ETS

Health Factors: Smoker in Home, Exposure to Environmental Tobacco Smoke

2.4.4.6 Patient Lists

- List of patients with documented tobacco screening.
- List of patients without documented tobacco screening.
- List of patients identified as current tobacco users, both smokers and smokeless users.

2.4.5 Tobacco Cessation**2.4.5.1 Owner: Contact**

Chris Lamer, PharmD, Epidemiology Program: Dayle Knutson

2.4.5.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.4.5.3 Denominators

1. GPRA: Active clinical patients identified as current tobacco users or tobacco users in cessation. Broken down by gender and age groups: younger than 12, 12 through 17, 18 and older.
2. User Population patients identified as current tobacco users or tobacco users in cessation.

2.4.5.4 Numerators

1. Patients who have received tobacco cessation counseling or received a prescription for a smoking cessation aid anytime during the Report Period.
2. Patients identified as having quit their tobacco use anytime during the Report Period.
3. GPRA: Patients who received tobacco cessation counseling, received a prescription for a tobacco cessation aid, or quit their tobacco use anytime during the Report Period.

2.4.5.5 Definitions

Denominator

Current Tobacco Users or Tobacco Users in Cessation:

CRS will search first for all health factors documented in the Tobacco, TOBACCO (SMOKING) and TOBACCO (SMOKELESS – CHEWING/DIP) categories during the Report Period.

If health factor(s) are found and at least one of them is one of the health factors listed below, the patient is counted as a current tobacco user or tobacco user in cessation. The patient is not counted as receiving cessation counseling.

Tobacco User Health Factors (TUHF):

- Cessation-Smoker
- Cessation-Smokeless
- Current Smoker
- Current Smokeless
- Current Smoker and Smokeless
- Current Smoker, status unknown
- Current Smoker, every day
- Current Smoker, some day
- Heavy Tobacco Smoker
- Light Tobacco Smoker

If a health factor is found and it is *not* a TUHF, CRS will then search for CPT 1034F or 1035F documented after the health factor. If one of these codes is found, the patient will be considered a tobacco user.

If no health factor was found, CRS will then search for any of the following codes documented during the Report Period:

- Tobacco-related diagnoses (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 305.1, 305.10 through 305.12 (old codes), 649.00 through 649.04;
ICD-10: F17.2*0, F17.2*3, F17.2*8, F17.2*9, O99.33*, Z72.0
 - SNOMED data set PXRMBGP CURRENT TOBACCO (Problem List only)

- CPT 99406, 99407, G0375 (old code), G0376 (old code), 1034F, 1035F, G8455 (old code), G8456 (old code), G8402 (old code), G8453 (old code), G9276

If any of these codes are found, the patient will be considered a tobacco user.

If no health factor or other tobacco user-defining code listed above was found during the specified timeframe, CRS will then search for the most recent health factor in both the TOBACCO (SMOKING) and TOBACCO (SMOKELESS – CHEWING/DIP) categories documented during an *expanded* timeframe of any time prior to the Report Period. For example, a patient with the most recent health factor being documented 5 years prior to the Report Period.

Note: If multiple health factors were documented on the same date and if any of them are TUHF(s), all of the health factors will be considered as TUHF(s).

If a health factor is found during the expanded timeframe, and is a TUHF, the patient will be considered a potential tobacco user.

If a health factor is found during the expanded timeframe and it is not one of the TUHFs, CRS will then search for CPT 1034F or 1035F documented after the health factor. If one of these codes is found, the patient will be considered a potential tobacco user.

If no health factor was found, CRS will then search for any of the following codes documented through the beginning of the Report Period:

- Tobacco-related diagnoses (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 305.1, 305.10 through 305.12 (old codes), 649.00 through 649.04; ICD-10: F17.2*0, F17.2*3, F17.2*8, F17.2*9, O99.33*, Z72.0
 - SNOMED data set PXRMBGP CURRENT TOBACCO (Problem List only)
- CPT 99406, 99407, G0375 (old code), G0376 (old code), 1034F, 1035F, G8455 (old code), G8456 (old code), G8402 (old code), G8453 (old code), G9276

If any of these codes are found, the patient will be considered a potential tobacco user. If one of these codes is not found, the patient is considered a non-tobacco user and will not be included in the denominator.

If the patient is considered a potential tobacco user, CRS will then search for diagnosis (POV or Problem List entry where the status is not Inactive or Deleted) ICD-9: 305.13 Tobacco use in remission (old code) or V15.82; ICD-10: F17.2*1, Z87.891; SNOMED data set PXRMBGPQUITTOBACCO (Problem List only) with a date occurring after the health factor date and through the beginning of the Report Period. If one of these diagnoses is found, the patient will be considered as having quit their tobacco use and will not be included in the denominator. If a diagnosis is not found, the patient is included as a current tobacco user and will be included in the denominator.

Tobacco Cessation Counseling

Any of the following documented anytime during the Report Period:

- Patient education codes containing "TO-", "-TO", "-SHS", 305.1, 305.1* (old codes), 649.00 through 649.04, D1320, 99406, 99407, G0375 (old code), G0376 (old code), 4000F, G8402, G8453, or SNOMED codes 160603005, 160604004, 160605003, 160606002, 160619003, 191887008, 191888003, 191889006, 228494002, 228504007, 228514003, 228515002, 228516001, 228517005, 228518000, 230059006, 230060001, 230062009, 230063004, 230064005, 230065006, 266920004, 428041000124106, 428061000124105, 428071000124103, 449868002, 59978006, 65568007, 77176002, 81703003, 82302008, 89765005.
- Clinic code 94 (tobacco cessation clinic)
- Dental code 1320
- CPT D1320, 99406, 99407, G0375 (old code), G0376 (old code), 4000F, G8402, G8453

Prescription for Tobacco Cessation Aid

Any of the following documented anytime during the Report Period:

- Prescription for medication in the site-populated BGP CMS SMOKING CESSATION MEDS taxonomy that does not have a comment of RETURNED TO STOCK
- Prescription for any medication with name containing "NICOTINE PATCH", "NICOTINE POLACRILEX", "NICOTINE INHALER", "NICOTINE NASAL SPRAY" that does not have a comment of RETURNED TO STOCK
- CPT 4001F

Quit Tobacco Use

Any of the following documented anytime during the Report Period *and* after the date of the code found indicating the patient was a current tobacco user:

- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 305.13 Tobacco use in remission (old code) or V15.82; ICD-10: F17.2*1, Z87.891
 - SNOMED data set PXRMBGPQUITTOBACCO (Problem List only)
- Health Factor (looks at the last documented health factor): Previous Smoker, Previous Smokeless, Previous (former) smoker, Previous (former) smokeless

2.4.5.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 53.2% for the proportion of tobacco-using patients who receive tobacco cessation intervention.

2.4.5.7 Patient Lists

- List of tobacco users with documented tobacco cessation intervention.
- List of tobacco users without documented tobacco cessation intervention.
- List of tobacco users who quit tobacco use.
- List of tobacco users who did not quit tobacco use.
- List of tobacco users with documented tobacco cessation intervention or who quit their tobacco use.
- List of tobacco users without documented tobacco cessation intervention and did not quit their tobacco use.

2.5 Behavioral Health Group

2.5.1 Alcohol Screening

2.5.1.1 Owner and Contact

Walter Castle, LCSW, MCAP, IHS Division of Behavioral Health (DBH)

2.5.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.5.1.3 Denominators

1. GPRA: Active Clinical Plus BH patients ages 12 through 75 years.
2. Active Clinical Plus BH patients ages 12 through 75 screened for alcohol use during the Report Period, not including refusals or patient education.

Note: This denominator does NOT include patients with a screening refusal or an alcohol-related diagnosis, procedure, or patient education.

3. Female Active Clinical patients ages 14 through 46 (child-bearing age).
4. Female Active Clinical patients ages 14 to 46 screened for alcohol use during the Report Period, not including refusals.

Note: This denominator does NOT include patients with a screening refusal or an alcohol-related diagnosis, procedure, or patient education.

5. User Population patients ages 12 through 75.

2.5.1.4 Numerators

1. GPRA: Patients screened for alcohol use or had an alcohol-related diagnosis or procedure during the Report Period.

Note: This numerator does *not* include refusals or alcohol-related patient education.

2. Patients with alcohol-related patient education during the Report Period.
3. Patients who were screened positive for alcohol use.
4. Patients screened for alcohol use, had an alcohol-related diagnosis or procedure, or received alcohol-related patient education during the Report Period.

Note: This numerator does *not* include refusals.

2.5.1.5 Definitions

Alcohol Screening

Any of the following during the Report Period:

- PCC Exam code 35
- Any CAGE Health Factor

- POV ICD-9: V11.3, V79.1, or Behavioral Health System (BHS) problem code 29.1
- CPT 99408, 99409, G0396, G0397, H0049, H0050, 3016F
- Measurement in PCC or Behavioral Health (BH) of AUDT, AUDC, or CRFT

Alcohol-Related Diagnosis or Procedure

Any of the following during the Report Period:

- Alcohol-related Diagnosis
 - POV, Current PCC or BHS Problem List ICD-9: 303.*, 305.0*, 291.*, 357.5*; ICD-10: F10.1*, F10.20, F10.220 through F10.29, F10.920 through F10.982, F10.99, G62.1
 - SNOMED data set PXRMBGP ETOH RELATED DX (Problem List only)
 - BHS POV or Problem Codes 10, 12.1, 14.2, 17.1, 18.1, 20.1, 22.1, 27, 29
- Alcohol-related Procedure
 - Procedure ICD-9: 94.46, 94.53, 94.61 through 94.63, 94.67 through 94.69

Alcohol-Related Patient Education

Any of the following during the Report Period:

- All Patient Education codes containing “AOD-” or “-AOD”, “CD-” or “-CD” (old codes), or V11.3, V79.1, 303.*, 305.0*, 291.* 357.5*, 99408, 99409, G0396, G0397, H0049, H0050, 3016F, or SNOMED codes 15167005, 18653004, 191471000, 191475009, 191476005, 191477001, 191478006, 191480000, 191802004, 191804003, 191805002, 191811004, 191812006, 191813001, 19303008, 281004, 284591009, 288281000119100, 29212009, 30491001, 34938008, 41083005, 42344001, 53936005, 61144001, 66590003, 7052005, 7200002, 73097000, 78524005, 79578000, 8635005.

Positive Screen for Alcohol Use

Any of the following for patients with alcohol screening:

- Exam code 35 Alcohol Screening result of “Positive”
- Health factor of CAGE result of 1/4, 2/4, 3/4 or 4/4
- CPT G0396, G0397, 99408, 99409
- AUDT result of greater than or equal (\geq) to 8, AUDC result of greater than or equal to (\geq) 4 for men and greater than or equal to (\geq) 3 for women, CRFT result of 2 to 6

2.5.1.6 GPRA 2017 Target

During GPRA Year 2017, establish a baseline for the proportion of patients ages 12 through 75 years who receive screening for alcohol use.

2.5.1.7 Patient Lists

- List of female Active Clinical patients ages 14 through 46 years with documented screening.
- List of female Active Clinical patients ages 14 through 46 years without documented screening.

2.5.2 Screening, Brief Intervention, and Referral to Treatment (SBIRT)**2.5.2.1 Owner: Contact**

Walter Castle, LCSW, MCAP, IHS Division of Behavioral Health (DBH)

2.5.2.2 National Reporting

NATIONAL (included in IHS Performance Report; *not* reported to OMB and Congress)

2.5.2.3 Denominators

1. Active Clinical Plus BH patients age 9 through 75 years.
2. GPRA: Active Clinical Plus BH patients age 9 through 75 years screened positive for risky or harmful alcohol use during the Report Period.
3. User Population patients age 9 through 75 years who screened positive for risky or harmful alcohol use during the Report Period.

2.5.2.4 Numerators

1. Patients screened in Ambulatory Care for risky or harmful alcohol use.
 - A. Patients screened positive for risky or harmful alcohol use.
 - B. Patients provided a brief negotiated interview (BNI) or Brief Intervention (BI) in Ambulatory care within 7 days of screen.
2. GPRA: Patients provided a brief negotiated interview (BNI) or Brief Intervention (BI) in Ambulatory Care within 7 days of screen.
 - A. Patients who received a BNI/BI on same day as screen.

- B. Patients who received a BNI/BI 1-3 days after screen.
- C. Patients who received a BNI/BI 4-7 days after screen.
- D. Patients who were referred treatment within 7 days of screen.

2.5.2.5 Definitions

Ambulatory Care

- Service Category A (Ambulatory)

Screening for Risky or Harmful Alcohol Use

Any of the following:

- Exam code 35
- Any Alcohol Health Factor (i.e., CAGE)
- POV ICD-9: V79.1 Screening for Alcoholism
- CPT G0396, G0397, H0049, H0050, 99408 (old code), 99409 (old code), 3016F
- Measurement in PCC of AUDT, AUDC, CRFT

Positive Screen for Risky or Harmful Alcohol Use

Any of the following for the screening performed:

- Exam code 35 Alcohol Screening result of Positive
- Health factor of CAGE result of 1/4, 2/4, 3/4 or 4/4
- Any of the following:
 - AUDT result ≥ 8
 - AUDC result ≥ 4 (men)
 - AUDC result ≥ 3 (women)
 - CRFT result ≥ 2 and CRFT result ≤ 6

BNI/BI

Any of the following documented at the Ambulatory Care visit or within seven days of the Ambulatory Care visit at a face-to-face visit, which excludes chart reviews and telecommunication visits:

- CPT G0396, G0397, H0050, 99408 (old code), 99409 (old code), 96150 through 96155
- Patient education code containing AOD-BNI, G0396, G0397, H0050, 99408, 99409, 96150 through 96155

Referral to Treatment

- Patient education code AOD-TX

2.5.2.6 GPRA 2017 Target

During GPRA Year 2017, establish a baseline for the proportion of patients ages 9 through 75 who screened positive for risky or harmful alcohol use and who received a Brief Negotiated Interview (BNI) or Brief Intervention (BI) within 7 days of screen.

2.5.2.7 Patient Lists

- List of AC+BH patients age 9-75 who were screened for risky or harmful alcohol use.
- List of AC+BH patients age 9-75 who were not screened for risky or harmful alcohol use.
- List of AC+BH patients age 9-75 who screened positive for risky or harmful alcohol use.
- List of AC+BH patients age 9-75 who received a BNI/BI within 7 days of screen.
- List of AC+BH patients age 9-75 who did not receive a BNI/BI within 7 days of screen.
- List of AC+BH patients age 9-75 who screened positive for risky or harmful alcohol use and who received a BNI/BI within 7 days of screen.
- List of AC+BH patients age 9-75 who screened positive for risky or harmful alcohol use and who did not receive a BNI/BI within 7 days of screen.
- List of AC+BH patients age 9-75 who screened positive for risky or harmful alcohol use and who were referred treatment within 7 days of screen.
- List of AC+BH patients age 9-75 who screened positive for risky or harmful alcohol use and who were not referred treatment within 7 days of screen.

2.5.3 Intimate Partner (Domestic) Violence Screening**2.5.3.1 Owner and Contact**

Terry Friend, IHS Division of Behavioral Health (DBH)

2.5.3.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.5.3.3 Denominators

1. GPRA: Female Active Clinical patients ages 14 through 46 years.
2. Female User Population patients ages 14 through 46 years.

2.5.3.4 Numerators

1. GPRA: Patients screened for intimate partner (domestic) violence at any time during the Report Period.

Note: This numerator does *not* include refusals.

- A. Patients with documented IPV/DV exam.
- B. Patients with IPV/DV related diagnosis.
- C. Patients provided with education or counseling about IPV/DV.

2.5.3.5 Definitions

Intimate Partner Violence/Domestic Violence (IPV/DV) Screening

Defined as one of the following:

- IPV/DV Exam
 - Exam code 34
 - BHS IPV/DV exam
- IPV/DV Related Diagnosis
 - POV, Current PCC or BHS Problem List ICD-9: 995.80 through 83, 995.85, V15.41, V15.42, V15.49; ICD-10: T74.11XA, T74.21XA, T74.31XA, T74.91XA, T76.11XA, T76.21XA, T76.31XA, T76.91XA, Z91.410
 - SNOMED data set PXRMBGP IPV DV DX (Problem List only)
 - BHS POV 43.*, 44.*
- IPV/DV Patient Education
 - Patient Education codes containing “DV-” or “-DV”, 995.80 through 83, 995.85, V15.41, V15.42, V15.49, or SNOMED 3027571011, 3027627017, 371772001, 406138006, 412732008, 429746005, 431027007, 432527004
- IPV/DV Counseling
 - POV ICD-9: V61.11; ICD-10: Z69.11

2.5.3.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 65.3% for the proportion of female patients ages 14 through 46 years who receive screening for domestic violence.

2.5.3.7 Patient Lists

- List of female patients 14 through 46 years with documented IPV/DV screening.
- List of female patients 14 through 46 years without documented IPV/DV screening.

2.5.4 Depression Screening

2.5.4.1 Owner and Contact

Beverly Cotton, DNP, RN, CPNP-PC, IHS Division of Behavioral Health (DBH)

2.5.4.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.5.4.3 Denominators

1. GPRA: Active Clinical patients ages 12 through 17. Broken down by gender
2. GPRAMA: Active Clinical patients ages 18 and older. Broken down by gender.
3. User Population patients ages 12 through 17.
4. User Population patients ages 18 and older.

2.5.4.4 Numerators

1. GPRAMA: Patients screened for depression or diagnosed with a mood disorder at any time during the Report Period.

Note: This numerator does *not* include refusals.

- A. Patients screened for depression during the Report Period.
- B. Patients with a diagnosis of a mood disorder during the Report Period.
- C. Patients who were screened in a Behavioral Health clinic.

2.5.4.5 Definitions

Depression Screening

Any of the following:

- Exam code 36
- POV ICD-9: V79.0
- CPT 1220F, 3725F, G0444
- BHS problem code 14.1 (screening for depression)
- Measurement in PCC or BH of PHQ2, PHQ9 or PHQT

Mood Disorders

At least two visits in PCC or BHS during the Report Period with POV for: Major Depressive Disorder, Dysthymic Disorder, Depressive Disorder NOS, Bipolar I or II Disorder, Cyclothymic Disorder, Bipolar Disorder NOS, Mood Disorder Due to a General Medical Condition, Substance-induced Mood Disorder, or Mood Disorder NOS. These POV codes are:

- ICD-9: 296.*, 291.89, 292.84, 293.83, 300.4, 301.13, 311; ICD-10: F06.31 through F06.34, F1*.*4, F10.159, F10.180, F10.181, F10.188, F10.259, F10.280, F10.281, F10.288, F10.959, F10.980, F10.981, F10.988, F30.*, F31.0 through F31.71, F31.73, F31.75, F31.77, F31.81 through F31.9, F32.* through F39
- BHS POV 14, 15

Behavioral Health Clinic

- Clinic codes C4, C9, 14, 43, 48

2.5.4.6 GPRA 2017 Target

Age 12-17: During GPRA Year 2017, establish a baseline for the proportion of patients ages 12 through 17 who receive annual screening for depression.

Age 18 and older: During GPRA Year 2017, achieve the target rate of 70.0% for the proportion of adults ages 18 and older who receive annual screening for depression.

2.5.4.7 Patient Lists

- List of Active Clinical patients 18 and older screened for depression or diagnosed with mood disorder.
- List of Active Clinical patients 18 and older not screened for depression or diagnosed with mood disorder.

2.5.5 Antidepressant Medication Management

2.5.5.1 Owner and Contact

Kevin Brooks, RPh MHA, IHS Division of Behavioral Health (DBH)

2.5.5.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.5.5.3 Denominators

1. As of the 120th day of the Report Period, User Population patients 18 years and older who were diagnosed with a new episode of depression and treated with antidepressant medication in the past year.

2.5.5.4 Numerators

1. Effective Acute Phase Treatment: Patients who filled a sufficient number of separate prescriptions or refills of antidepressant medication for continuous treatment of at least 84 days (12 weeks).
2. Effective Continuation Phase Treatment: Patients who filled a sufficient number of separate prescriptions or refills of antidepressant medication treatment to provide continuous treatment for at least 180 days (6 months).

2.5.5.5 Definitions

Major Depression

POV ICD-9: 296.20 through 296.25, 296.30 through 296.35, 298.0, 311; ICD-10: F32.0 through F32.4, F32.8 through F33.3, F33.41, F33.9.

Index Prescription (Rx) Start Date

The date of the earliest prescription for antidepressant medication filled during this period.

Antidepressant Medications

Medication taxonomy BGP HEDIS ANTIDEPRESSANT MEDS.

- Medications are: Tricyclic antidepressants (TCA) and other cyclic antidepressants, Selective serotonin reuptake inhibitors (SSRI), Monoamine oxidase inhibitors (MAOI), Serotonin-norepinephrine reuptake inhibitors (SNRI), and other antidepressants. Medications must not have a comment of RETURNED TO STOCK.

Denominator Inclusions

To be included in the denominator, patient must meet the following condition:

- Filled a prescription for an antidepressant medication (see the list of medications above) within the 121st day of the year prior to the Report Period to the 120th day of the Report Period. For example, if Report Period is July 1, 2016 through June 30, 2017, patient must have filled a prescription during November 01, 2015 through October 29, 2016. In V Medication, Date Discontinued must not be equal to the prescription, (i.e., visit date).

Denominator Exclusions

Patients with any of the following will be excluded from the denominator:

- Patients who did not have a diagnosis of major depression in an inpatient, outpatient, ED, intensive outpatient or partial hospitalization setting during the 60 days prior to the IPSD (inclusive) through 60 days after the IPSD (inclusive).
- Patients who had a new or refill prescription for antidepressant medication (see the list of medications that follows) within 105 days prior to the Index Rx Start Date are excluded as they do not represent new treatment episodes.

Effective Acute Phase Treatment Numerator

For all antidepressant medication prescriptions filled (see the list of medications that follows) within 114 days of the Index Rx Date, from V Medication CRS counts the days prescribed (i.e., treatment days) from the Index Rx Date until a total of 84 treatment days has been established. If the patient had a total gap exceeding 30 days or if the patient does not have 84 treatment days within the 114 day timeframe, the patient is not included in the numerator.

Note: If a medication was started and then discontinued, CRS will recalculate the number of Days Prescribed by subtracting the prescription date (i.e., visit date) from the V Medication Discontinued Date. For example:
- Rx Date: November 15, 2017
- Discontinued Date: November 19, 2017
Recalculated number of Days Prescribed:
 $November\ 19,\ 2017 - November\ 15,\ 2017 = 4$

Example of Patient Included in Numerator:

- First prescription:
 - Index Rx Date: November 1, 2016
 - Number of Days Prescribed: 30

November 1, 2016 + 30 days = December 1, 2016

Prescription covers the patient through December 1, 2016

- Second prescription:
 - Rx Date: December 15, 2016
 - Number of Days Prescribed: 30:
 - Gap #1 equals 14 days:
 - December 15, 2016 – December 1, 2016 = 14 days*

Prescription covers the patient through January 14, 2017.
- Third prescription:
 - Rx Date: January 10, 2017
 - Number of Days Prescribed: 30
 - No gap days
 - November 1, 2016 + 114 days = February 23, 2017*

Prescription covers the patient through February 13, 2017.
- Patient's 84th treatment day occurs on February 7, 2017:
 - February 7, 2017 ≤ February 23, 2017*
 - Number of gap days = 14, which is < 30*

Patient is included in the Numerator.

Example of Patient Not Included in Numerator:

- First prescription:
 - Index Rx Date: November 1, 2016
 - Number of Days Prescribed: 30
 - November 1, 2016 + 30 days = December 1, 2016*

Prescription covers the patient through December 1, 2016.
- Second prescription:
 - Rx Date: December 15, 2016
 - Number of Days Prescribed: 30:
 - Gap #1 equals 14 days:
 - December 15, 2016 – December 1, 2016 = 14 days*

Prescription covers the patient through January 14, 2017.

- Third prescription:
 - Rx Date: February 1, 2017
 - Number of Days Prescribed: 30
 - Gap #2 equals 18 days:
February 1, 2017 – January 14, 2017 = 18
 - Total number of gap days = 32:
 $14 + 18 = 32$

Patient is not included in the numerator.

Effective Continuation Phase Treatment Numerator

For all antidepressant medication prescriptions (see the previous list of medications) filled within 231 days of the Index Rx Date, CRS counts the days prescribed (i.e., treatment days) (from V Medication) from the Index Rx Date until a total of 180 treatment days has been established. If the patient had a total gap exceeding 51 days or if the patient does not have 180 treatment days within the 231 day timeframe, the patient is not included in the numerator.

Note: If a medication was started and then discontinued, CRS will recalculate the number of Days Prescribed by subtracting the prescription date (i.e., visit date) from the V Medication Discontinued Date. For example:

- Rx Date: November 15, 2017
- Discontinued Date: November 19, 2017

Recalculated number of Days Prescribed:
November 19, 2017 – November 15, 2017 = 4

2.5.5.6 GPRA 2017 Target

Acute Treatment: During GPRA Year 2017, establish a baseline for the proportion of patients ages 18 and older with acute treatment for depression.

Continuous Treatment: During GPRA Year 2017, establish a baseline for the proportion of patients ages 18 and older with continuous treatment for depression.

2.5.5.7 Patient Lists

- List of User Population patients with new depression Dx and acute phase treatment (APT).
- List of User Population patients with new depression Dx and no acute phase treatment (APT).

- List of User Population patients with new depression Dx and continuation phase treatment (CONPT).
- List of User Population patients with new depression Dx and no continuation phase treatment (CONPT).

2.6 Cardiovascular Disease Related Group

2.6.1 Childhood Weight Control

2.6.1.1 Owner and Contact

Dr. Ann Bullock

2.6.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.6.1.3 Denominators

1. GPRA: Active Clinical patients 2 through 5 for whom a BMI could be calculated.
2. User Population patients 2 through 5 for whom a BMI could be calculated.

2.6.1.4 Numerators

1. GPRA: Patients with a BMI at or above the 95th percentile.

2.6.1.5 Definitions

Age

All patients who are between the ages of 2 and 5 at the beginning of the Report Period and who do not turn age 6 during the Report Period are included in this measure. Age in the age groups is calculated based on the date of the most current BMI found. For example, a patient may be 2 at the beginning of the time period but is 3 at the time of the most current BMI found. That patient will fall into the Age 3 group.

BMI

CRS looks for the most recent BMI in the Report Period. CRS calculates BMI at the time the report is run, using NHANES II. A height and weight must be taken on the same day any time during the Report Period. The BMI values for this measure are reported differently than in Obesity Assessment since this age group is children ages 2 through 6, whose BMI values are age-dependent. The BMI values are categorized as Overweight for patients with a BMI in the 85th through 94th percentile and Obese for patients with a BMI at or above the 95th percentile.

Patients whose BMI either is greater or less than the Data Check Limit range, as shown in the following table, will not be included in the report counts for Overweight or Obese.

Low-High Ages	Sex	BMI (Overweight)	BMI (Obese)	Data Check Limits BMI >	Data Check Limits BMI <
2-2	Male	17.7	18.7	36.8	7.2
2-2	Female	17.5	18.6	37.0	7.1
3-3	Male	17.1	18.0	35.6	7.1
3-3	Female	17.0	18.1	35.4	6.8
4-4	Male	16.8	17.8	36.2	7.0
4-4	Female	16.7	18.1	36.0	6.9
5-5	Male	16.9	18.1	36.0	6.9
5-5	Female	16.9	18.5	39.2	6.8

2.6.1.6 GPRA 2017 Target

During GPRA Year 2017, achieve the long-term target rate of 22.8% for the proportion of children with a BMI of 95% or higher.

2.6.1.7 Patient Lists

List of patients ages 2-5 with BMI at or above the 95th percentile.

2.6.2 Controlling High Blood Pressure – Million Hearts

2.6.2.1 Owner and Contact

Dr. Dena Wilson, Chris Lamer, PharmD, and Mark Veazie

2.6.2.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.6.2.3 Denominators

1. GPRA: Million Hearts (NQF 0018): User Population patients ages 18 through 85 years diagnosed with hypertension and no documented history of ESRD or current diagnosis of pregnancy.
2. User Population patients ages 18 through 59 years diagnosed with hypertension and no documented history of ESRD or current diagnosis of pregnancy.
3. User Population patients ages 60 through 85 years diagnosed with hypertension and no documented history of ESRD or current diagnosis of pregnancy.

2.6.2.4 Numerators

1. GPRA: Million Hearts (NQF 0018): Patients with blood pressure less than (<) 140/90, i.e., the systolic value is less than (<) 140 AND the diastolic value is less than (<) 90.
2. Patients with blood pressure less than (<) 140/90 (i.e., the systolic value is less than 140 AND the diastolic value is less than 90).
3. Patients with blood pressure less than (<) 150/90 (i.e., the systolic value is less than 150 AND the diastolic value is less than 90).

2.6.2.5 Definitions

Age

Age of the patient is calculated at end of the Report Period.

Hypertension

Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):

- ICD-9: 401.*; ICD-10: I10 ever through the first 6 months of the Report Period, and at least one hypertension POV during the Report Period.
- SNOMED data set PXRMESSENTIAL HYPERTENSION (Problem List only)

ESRD

Any of the following ever:

- CPT 36145 (old code), 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831 through 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90918 through 90925 (old codes), 90935, 90937, 90939 (old code), 90940, 90945, 90947, 90951 through 90970, 90989, 90993, 90997, 90999, 99512, 3066F, G0257, G0308 through G0327 (old codes), G0392 (old code), G0393 (old code), G9231, S2065, S9339
- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 585.6, V42.0, V45.1 (old code), V45.11 V45.12, V56.*; ICD-10: N18.6, Z48.22, Z49.*, Z91.15, Z94.0, Z99.2
 - SNOMED data set PXRME END STAGE RENAL DISEASE (Problem List only)
- Procedure ICD-9: 38.95, 39.27, 39.42, 39.43, 39.53, 39.93 through 39.95, 54.98, 55.6*

Pregnancy Definition

Any of the following:

- The Currently Pregnant field in Reproductive Factors file set to "Yes" during the Report Period.
- At least two visits during the Report Period, where the primary provider is not a CHR (Provider code 53) with any of the following:

- POV or Problem diagnosis ICD-9: 640.*3, 641.*3, 642.*3, 643.*3, 644.*3, 645.*3, 646.*3, 647.*3, 648.*3, 649.*3, 651.*3, 652.*3, 653.*3, 654.*3, 655.*3, 656.*3, 657.*3, 658.*3, 659.*3, 660.*3, 661.*3, 662.*3, 663.*3, 665.*3, 668.*3, 669.*3, 671.*3, 673.*3, 678.*3, 679.*3, V22.0 through V23.9, V28.81, V28.82, V28.89, V72.42, V89.01 through V89.09; ICD-10: O09.00 through O10.02, O10.111 through O10.12, O10.211 through O10.22, O10.311 through O10.32, O10.411 through O10.42, O10.911 through O10.92, O11.1 through O15.1, O15.9 through O24.02, O24.111 through O24.12, O24.311 through O24.32, O24.41*, O24.811 through O24.82, O24.911 through O24.92, O25.10 through O25.2, O26.00 through O26.62, O26.711 through O26.72, O26.811 through O26.93, O29.011 through O30.93, O31.* through O48.*, O60.0*, O61.* through O66.*, O68, O69.*, O71.00 through O71.1, O71.89, O71.9, O74.0 through O75.81, O75.89, O75.9, O76 through O77.*, O88.011 through O88.02, O88.111 through O88.12, O88.211 through O88.22, O88.311 through O88.32, O88.811 through O88.82, O90.3, O91.011 through O91.019, O91.111 through O91.119, O91.211 through O91.219, O92.011 through O92.019, O92.20, O92.29, O98.011 through O98.02, O98.111 through O98.12, O98.211 through O98.22, O98.311 through O98.32, O98.411 through O98.42, O98.511 through O98.52, O98.611 through O98.62, O98.711 through O98.72, O98.811 through O98.82, O98.911 through O98.92, O99.011 through O99.02, O99.111 through O99.12, O99.210 through O99.214, O99.280 through O99.284, O99.310 through O99.314, O99.320 through O99.324, O99.330 through O99.334, O99.340 through O99.344, O99.350 through O99.354, O99.411 through O99.42, O99.511 through O99.52, O99.611 through O99.62, O99.711 through O99.72, O99.810, O99.814, O99.820, O99.824, O99.830, O99.834, O99.840 through O99.844, O99.89, O9A.111 through O9A.12, O9A.211 through O9A.22, O9A.311 through O9A.32, O9A.411 through O9A.42, O9A.511 through O9A.52, Z03.7*, Z32.01, Z33.1, Z34.*, Z36.
- Procedure ICD-9: 72.*, 73.*, 74.*
- CPT 59000-59076, 59300, 59320, 59400-59426, 59510, 59514, 59610, 59612, 59618, 59620, 76801-76828

Pharmacy-only visits (clinic code 39) will not count toward these two visits. If the patient has more than two pregnancy-related visits during the Report Period, CRS will use the first two visits in the Report Period.

The patient must not have a documented miscarriage or abortion occurring after the second pregnancy-related visit or the date the Currently Pregnant field was set to "Yes".

- **Miscarriage definition:**

- POV ICD-9: 630, 631, 632, 633*, 634*; ICD-10: O03.9

- CPT 59812, 59820, 59821, 59830
- **Abortion definition:**
 - POV ICD-9: 635*, 636* 637*; ICD-10: O00.* through O03.89, O04.*, Z33.2
 - CPT 59100, 59120, 59130, 59136, 59150, 59151, 59840, 59841, 59850, 59851, 59852, 59855, 59856, 59857, S2260 through S2267,
 - Procedure ICD-9: 69.01, 69.51, 74.91, 96.49; ICD-10: 0WHR73Z, 0WHR7YZ, 10A0***, 3E1K78Z, 3E1K88Z

BP Values

Exclusions: When calculating all BPs, the following visits will be excluded:

- Service Category H (Hospitalization), I (In Hospital), S (Day Surgery), or O (Observation)
- Clinic code 23 (Surgical), 30 (ER), 44 (Day Surgery), C1 (Neurosurgery), or D4 (Anesthesiology)

CRS uses the last blood pressure documented during the Report Period. If a patient has more than one blood pressure documented on the same day, CRS will first look for a blood pressure less than (<) 140/90 on that day, and if not found, will look for a blood pressure less than (<) 150/90.

2.6.2.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 59.7% for the proportion of patients with blood pressure less than (<) 140/90.

2.6.2.7 Patient Lists

- List of hypertensive patients with BP less than (<) 140/90.
- List of hypertensive patients with BP greater than or equal to (>=) 140/90.

2.6.3 Statin Therapy for the Prevention and Treatment of Cardiovascular Disease

2.6.3.1 Owner: Contact

Dr. Dena Wilson, Chris Lamer, PharmD

2.6.3.2 National Reporting

NATIONAL (included in National GPRA/GPRAMA Report; reported to OMB and Congress)

2.6.3.3 Denominators

1. GPRAMA: User Population patients ages 40 through 75 with diabetes or age 21 and older with documented CVD or an LDL greater than or equal to (\geq) 190.
2. User Population patients ages 21 through 39 with documented CVD or an LDL greater than or equal to (\geq) 190.
3. User Population patients ages 40 through 75 with documented CVD or an LDL greater than or equal to (\geq) 190.
4. User Population patients age 76 and older with documented CVD or an LDL greater than or equal to (\geq) 190.
5. User Population patients ages 40 through 75 with diabetes.
6. User Population patients ages 40 through 75 with diabetes or age 21 and older with documented CVD or an LDL \geq 190, including denominator exclusions.

2.6.3.4 Numerators

1. GPRAMA: Patients who are statin therapy users during the Report Period or who receive an order (prescription) to receive statin therapy at any point during the Report Period.
2. Patients with any of the listed denominator exclusions.
 - A. Patients with documented allergy, intolerance, or other adverse effect to statin medication.

2.6.3.5 Definitions

Diabetes

First DM POV ICD-9: 250.00 through 250.93 or ICD-10: E10.* through E13.* recorded in the V POV file prior to the Report Period.

Cardiovascular Disease (CVD)

Cardiovascular Disease (CVD) diagnosis defined as any of the following:

- Coronary Heart Disease (CHD) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 410.0-413.*, 414.0-414.9, 429.2; ICD-10: I20.0-I22.8, I24.0-I25.83, I25.89, I25.9, Z95.5
 - SNOMED data set PXRMI SCHEMIC HEART DISEASE (Problem List only)

- Acute Myocardial Infarction (AMI) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 410.0*-410.9*, 412; ICD-10: I21.*, I22.*, I23.*, I25.2
 - SNOMED data set PXRMBGPAMI (Problem List only)
- Ischemic Vascular Disease (IVD) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 411.*, 413.*, 414.0*, 414.2, 414.8, 414.9, 429.2, 433.*-434.*, 440.1, 440.2*, 440.4, 444.*, 445.*; ICD-10: I20.*, I24.*, I25.1*, I25.5-I25.812, I65.*, I66.*, I70.1, I70.201-I70.299, I70.92, I74.*, I75.*
 - SNOMED data set PXRMBGP IVD (Problem List only)
- Ischemic Stroke or Transient Ischemic Attack (TIA) defined as any of the following:
 - Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 433.01, 433.11, 433.21, 433.31, 433.81, 433.91, 434.01, 434.11, 434.91, 435.0, 435.1, 435.2, 435.3, 435.8, 435.9; ICD-10: G45.0-G45.2, G45.8, G45.9, G46.0-G46.2, I63.*
 - SNOMED data set PXRMBGPISCHEMICSTROKE TIA (Problem List only)
- Coronary Artery Bypass Graft (CABG) Procedure defined as any of the following:
 - POV ICD-9: V45.81; ICD-10: Z95.1
 - CPT 33510-33514, 33516-33519, 33521-33523, 33530, 33533-33536, 33572, 35500, 35600, S2205-S2209
 - Procedure ICD-9: 36.1*, 36.2*; ICD-10: 02100**, 021049*, 02104A*, 02104J*, 02104K*, 02104Z*, 02110**, 021149*, 02114A*, 02114J*, 02114K*, 02114Z*, 02120**, 021249*, 02124A*, 02124J*, 02124K*, 02124Z*, 02130**, 021349*, 02134A*, 02134J*, 02134K*, 02134Z*
- Percutaneous Coronary Interventions (PCI) Procedure defined as any of the following:
 - POV ICD-9: V45.82; ICD-10: Z95.5, Z98.61
 - CPT 92920, 92924, 92928, 92933, 92937, 92941, 92943, 92980 (old code), 92982 (old code), 92995 (old code), G0290, C9600, C9602, C9604, C9606, C9607

- Procedure ICD-9: 00.66, 36.01 (old code), 36.02 (old code), 36.05 (old code), 36.06-36.07; ICD-10: 02703**, 02704**, 02713**, 02714**, 02723**, 02724**, 02733**, 02734**
- Other Revascularization:
 - CPT 37220, 37221, 37224-37231

LDL

For LDL greater than or equal to (\geq) 190, CRS will look for any test at any time with result greater than or equal to (\geq) 190. LDL defined as any of the following:

- LOINC taxonomy
- Site-populated taxonomy DM AUDIT LDL CHOLESTEROL TAX

Denominator Exclusions

Patients meeting any of the following conditions will be excluded from the denominator.

- Patients with documented allergy, intolerance, or other adverse effect to statin medication.
- Patients who have an active diagnosis of pregnancy or who are breastfeeding.
- Patients with a diagnosis of cirrhosis of the liver during the Report Period or the year prior to the Report Period.
- Patients who are receiving palliative care.
- Patients with end-stage renal disease (ESRD).
- Patients with diabetes whose most recent LDL result is less than ($<$) 70 and who have never had an LDL result greater than or equal to (\geq) 190 and who are not taking statin therapy.

Contraindications to Statins

Contraindications to Statins defined as any of the following:

- Pregnancy: See the definition that follows
- Breastfeeding: See the definition that follows
- Acute Alcoholic Hepatitis: defined as POV or Problem List entry where the status is not Inactive or Deleted during the Report Period:
 - ICD-9: 571.1; ICD-10: K70.10, K70.11
 - SNOMED data set PXRMBGP ACUTE ETOH HEPATITIS (Problem List only)
- NMI refusal for any statin at least once during the Report Period.

Adverse drug reaction or documented statin allergy

Defined as any of the following:

- ALT or AST greater than three times the Upper Limit of Normal (ULN) (i.e., Reference High) on two or more consecutive visits during the Report Period
- Creatine Kinase (CK) levels greater than 10 times ULN or CK greater than 10,000 IU/L during the Report Period
- Myopathy or Myalgia, defined as any of the following during the Report Period:
 - POV or Problem List entry where the status is not Inactive or Deleted ICD-9: 359.0 through 359.9, 729.1, 710.5, 074.1; ICD-10: G71.14, G71.19, G72.0, G72.2, G72.89, G72.9, M35.8, M60.80 through M60.9, M79.1; SNOMED data set PXRMBGP MYOPATHY MYALGIA (Problem List only)
- Any of the following occurring ever:
 - POV ICD-9: 995.0 through 995.3 and E942.9
 - Statin or Statins entry in ART (Patient Allergies File)
 - Statin or Statins contained within Problem List (where status is not Deleted) or in Provider Narrative field for any POV ICD-9: 995.0 through 995.3, V14.8; ICD-10: Z88.8
 - Problem List entry where the status is not Deleted of SNOMED data set PXRMBGP ADR STATIN

Pregnancy Definition

Any of the following:

- The Currently Pregnant field in Reproductive Factors file set to "Yes" during the Report Period.
- At least two visits during the Report Period, where the primary provider is not a CHR (Provider code 53) with any of the following:

- POV or Problem diagnosis ICD-9: 640.*3, 641.*3, 642.*3, 643.*3, 644.*3, 645.*3, 646.*3, 647.*3, 648.*3, 649.*3, 651.*3, 652.*3, 653.*3, 654.*3, 655.*3, 656.*3, 657.*3, 658.*3, 659.*3, 660.*3, 661.*3, 662.*3, 663.*3, 665.*3, 668.*3, 669.*3, 671.*3, 673.*3, 678.*3, 679.*3, V22.0 through V23.9, V24.*, V27.*, V28.81, V28.82, V28.89, V72.42, V89.01 through V89.09; ICD-10: O09.00 through O10.02, O10.111 through O10.12, O10.211 through O10.22, O10.311 through O10.32, O10.411 through O10.42, O10.911 through O10.92, O11.1 through O15.1, O15.9 through O24.02, O24.111 through O24.12, O24.311 through O24.32, O24.41*, O24.811 through O24.82, O24.911 through O24.92, O25.10 through O25.2, O26.00 through O26.62, O26.711 through O26.72, O26.811 through O26.93, O29.011 through O30.93, O31.* through O48.*, O60.0*, O61.* through O66.*, O68, O69.*, O71.00 through O71.1, O71.89, O71.9, O74.0 through O75.81, O75.89, O75.9, O76 through O77.*, O88.011 through O88.02, O88.111 through O88.12, O88.211 through O88.22, O88.311 through O88.32, O88.811 through O88.82, O90.3, O91.011 through O91.019, O91.111 through O91.119, O91.211 through O91.219, O92.011 through O92.019, O92.20, O92.29, O98.011 through O98.02, O98.111 through O98.12, O98.211 through O98.22, O98.311 through O98.32, O98.411 through O98.42, O98.511 through O98.52, O98.611 through O98.62, O98.711 through O98.72, O98.811 through O98.82, O98.911 through O98.92, O99.011 through O99.02, O99.111 through O99.12, O99.210 through O99.214, O99.280 through O99.284, O99.310 through O99.314, O99.320 through O99.324, O99.330 through O99.334, O99.340 through O99.344, O99.350 through O99.354, O99.411 through O99.42, O99.511 through O99.52, O99.611 through O99.62, O99.711 through O99.72, O99.810, O99.814, O99.820, O99.824, O99.830, O99.834, O99.840 through O99.844, O99.89, O9A.111 through O9A.12, O9A.211 through O9A.22, O9A.311 through O9A.32, O9A.411 through O9A.42, O9A.511 through O9A.52, Z03.7*, Z32.01, Z33.1, Z34.*, Z36.
- Procedure ICD-9: 72.*, 73.*, 74.*
- CPT 59000-59076, 59300, 59320, 59400-59426, 59510, 59514, 59610, 59612, 59618, 59620, 76801-76828

Pharmacy-only visits (clinic code 39) will not count toward these two visits. If the patient has more than two pregnancy-related visits during the Report Period, CRS will use the first two visits in the Report Period.

The patient must not have a documented miscarriage or abortion occurring after the second pregnancy-related visit or the date the Currently Pregnant field was set to "Yes".

- **Miscarriage definition:**

- POV ICD-9: 630, 631, 632, 633*, 634*; ICD-10: O03.9
- CPT 59812, 59820, 59821, 59830
- **Abortion definition:**
 - POV ICD-9: 635*, 636* 637*; ICD-10: O00.* through O03.89, O04.*, Z33.2
 - CPT 59100, 59120, 59130, 59136, 59150, 59151, 59840, 59841, 59850, 59851, 59852, 59855, 59856, 59857, S2260 through S2267,
 - Procedure ICD-9: 69.01, 69.51, 74.91, 96.49; ICD-10: 0WHR73Z, 0WHR7YZ, 10A0***, 3E1K78Z, 3E1K88Z

Breastfeeding Definition

Any of the following documented during the Report Period:

- POV ICD-9: V24.1; ICD-10: Z39.1
- Breastfeeding Patient Education codes BF-BC, BF-BP, BF-CS, BF-EQ, BF-FU, BF-HC, BF-ON, BF-M, BF-MK, BF-N or containing SNOMED 169745008, 200430001, 405029003, 406213009, 413711008, 413712001

Palliative Care

- POV ICD-9: V66.7; ICD-10: Z51.5

Cirrhosis of the Liver

- Diagnosis (POV or Problem List entry where the status is not Deleted):
 - ICD-9: 571.2, 571.5, 571.6; ICD-10: K70.30, K70.31, K71.7, K74.3-K74.5, K74.60, K74.69, P78.81
 - SNOMED data set PXRMBGP CIRRHOISIS (Problem List only)

ESRD

End Stage Renal Disease diagnosis or treatment defined as any of the following ever:

- CPT 36145 (old code), 36147, 36800, 36810, 36815, 36818, 36819, 36820, 36821, 36831 through 36833, 50300, 50320, 50340, 50360, 50365, 50370, 50380, 90951 through 90970 or old codes 90918 through 90925, 90935, 90937, 90939 (old code), 90940, 90945, 90947, 90989, 90993, 90997, 90999, 99512, 3066F, G0257, G0308 through G0327 (old codes), G0392 (old code), G0393 (old code), G9231, S2065, S9339
- Diagnosis (POV or Problem List entry where the status is not Inactive or Deleted):
 - ICD-9: 585.6, V42.0, V45.1 (old code), V45.11, V45.12, V56.*; ICD-10: N18.6, Z48.22, Z49.*, Z91.15, Z94.0, Z99.2

- SNOMED data set PXRME END STAGE RENAL DISEASE (Problem List only)
- Procedure ICD-9: 38.95, 39.27, 39.42, 39.43, 39.53, 39.93 through 39.95, 54.98, 55.6*

Statins Numerator Logic

- **Statin Therapy Users**
 - CPT 4013F
- **Statin medication codes**
 - Defined with medication taxonomy BGP PQA STATIN MEDS.
 - **Statin medications are:** Atorvastatin (Lipitor), Fluvastatin (Lescol), Lovastatin (Altacor, Altoprev, Mevacor), Pravastatin (Pravachol), Pitavastatin (Livalo), Simvastatin (Zocor), Rosuvastatin (Crestor).
- **Statin Combination Products**
- Niacin-lovastatin, Niacin-simvastatin, Ezetimibe-simvastatin, Amlodipine-Atorvastatin, Sitagliptin-simvastatin, Ezetimibe-atorvastatin.

2.6.3.6 GPRA 2017 Target

During GPRA Year 2017, establish a baseline for the proportion of at-risk patients who receive statin therapy.

2.6.3.7 Patient Lists

- List of patients 40-75 with diabetes or 21 and older with CVD or LDL greater than or equal to (\geq) 190 with statin therapy.
- List of patients 40-75 with diabetes or 21 and older with CVD or LDL greater than or equal to (\geq) 190 without statin therapy.
- List of patients with denominator exclusions.

2.7 STD-Related Group

2.7.1 HIV Screening

2.7.1.1 Owner and Contact

Lisa Neel, MPH and Dr. Marie Russell

2.7.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.7.1.3 Denominators

1. Pregnant Active Clinical patients with no documented miscarriage or abortion during the past 20 months and *no* recorded HIV diagnosis ever.
2. GPRA: User Population patients ages 13-64 with no recorded HIV diagnosis prior to the Report Period.

2.7.1.4 Numerators

1. Patients who were screened for HIV during the past 20 months.

Note: This numerator does *not* include refusals.

2. GPRA: Patients who were screened for HIV at any time before the end of the Report Period.

Note: This numerator does *not* include refusals.

2.7.1.5 Definitions

HIV

Any of the following documented any time prior to the end of the Report Period:

- POV or Problem List entry where the status is not Deleted:
 - ICD-9: 042, 042.0 through 044.9 (old codes), 079.53, V08, 795.71; ICD-10: B20, B97.35, R75, Z21, O98.711 through O98.73
 - SNOMED data set PXRMI HIV (Problem List only)

Pregnancy

Any of the following:

- The Currently Pregnant field in Reproductive Factors file set to "Yes" during the Report Period.
- At least two visits during the past 20 months from the end of the Report Period, where the primary provider is not a Community Health Representative (CHR) (Provider code 53) with any of the following:

- POV or Problem diagnosis ICD-9: 640.*3, 641.*3, 642.*3, 643.*3, 644.*3, 645.*3, 646.*3, 647.*3, 648.*3, 649.*3, 651.*3, 652.*3, 653.*3, 654.*3, 655.*3, 656.*3, 657.*3, 658.*3, 659.*3, 660.*3, 661.*3, 662.*3, 663.*3, 665.*3, 668.*3, 669.*3, 671.*3, 673.*3, 678.*3, 679.*3, V22.0 through V23.9, V24.*, V27.*, V28.81, V28.82, V28.89, V72.42, V89.01 through V89.09; ICD-10: O09.00 through O10.02, O10.111 through O10.12, O10.211 through O10.22, O10.311 through O10.32, O10.411 through O10.42, O10.911 through O10.92, O11.1 through O15.1, O15.9 through O24.02, O24.111 through O24.12, O24.311 through O24.32, O24.41*, O24.811 through O24.82, O24.911 through O24.92, O25.10 through O25.2, O26.00 through O26.62, O26.711 through O26.72, O26.811 through O26.93, O29.011 through O30.93, O31.* through O48.*, O60.0*, O61.* through O66.*, O68, O69.*, O71.00 through O71.1, O71.89, O71.9, O74.0 through O75.81, O75.89, O75.9, O76 through O77.*, O88.011 through O88.02, O88.111 through O88.12, O88.211 through O88.22, O88.311 through O88.32, O88.811 through O88.82, O90.3, O91.011 through O91.019, O91.111 through O91.119, O91.211 through O91.219, O92.011 through O92.019, O92.20, O92.29, O98.011 through O98.02, O98.111 through O98.12, O98.211 through O98.22, O98.311 through O98.32, O98.411 through O98.42, O98.511 through O98.52, O98.611 through O98.62, O98.711 through O98.72, O98.811 through O98.82, O98.911 through O98.92, O99.011 through O99.02, O99.111 through O99.12, O99.210 through O99.214, O99.280 through O99.284, O99.310 through O99.314, O99.320 through O99.324, O99.330 through O99.334, O99.340 through O99.344, O99.350 through O99.354, O99.411 through O99.42, O99.511 through O99.52, O99.611 through O99.62, O99.711 through O99.72, O99.810, O99.814, O99.820, O99.824, O99.830, O99.834, O99.840 through O99.844, O99.89, O9A.111 through O9A.12, O9A.211 through O9A.22, O9A.311 through O9A.32, O9A.411 through O9A.42, O9A.511 through O9A.52, Z03.7*, Z32.01, Z33.1, Z34.*, Z36.
- Procedure ICD-9: 72.*, 73.*, 74.*
- CPT 59000-59076, 59300, 59320, 59400-59426, 59510, 59514, 59610, 59612, 59618, 59620, 76801-76828

Pharmacy-only visits (clinic code 39) will not count toward these two visits. If the patient has more than two pregnancy-related visits during the past 20 months, CRS will use the first two visits in the 20-month period. In addition, the patient must have at least one pregnancy-related visit occurring during the reporting period.

The patient must not have a documented miscarriage or abortion occurring after the second pregnancy-related visit or the date the Currently Pregnant field was set to "Yes". The time period is extended to include patients who were pregnant during the Report Period, but whose initial diagnosis (and HIV test) were documented prior to Report Period.

- **Miscarriage definition**

- POV ICD-9: 630, 631, 632, 633*, 634*; ICD-10: O03.9
- CPT 59812, 59820, 59821, 59830

- **Abortion definition**

- POV ICD-9: 635*, 636* 637*; ICD-10: O00.* through O03.89, O04.*, Z33.2
- CPT 59100, 59120, 59130, 59136, 59150, 59151, 59840, 59841, 59850, 59851, 59852, 59855, 59856, 59857, S2260 through S2267
- Procedure ICD-9: 69.01, 69.51, 74.91, 96.49; ICD-10: 0WHR73Z, 0WHR7YZ, 10A0***, 3E1K78Z, 3E1K88Z

HIV Screening

- CPT 86689, 86701 through 86703, 87390, 87391, 87534 through 87539
- LOINC taxonomy
- Site-populated taxonomy BGP HIV TESTS

Note: The timeframe for screening for the pregnant patient's denominator is anytime during the past 20 months.

2.7.1.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 41.9% for the proportion of patients who have ever been screened for HIV.

2.7.1.7 Patient Lists

- List of pregnant patients with documented HIV test in past 20 months.
- List of pregnant patients without documented HIV test in past 20 months.
- List of User Population patients 13-64 with documented HIV test ever.
- List of User Population patients 13-64 without documented HIV test ever.

2.8 Other Clinical Group

2.8.1 Breastfeeding Rates

Note: This measure is used in conjunction with the Childhood Weight Control GPRA long-term measure to support the reduction of the incidence of childhood obesity.

2.8.1.1 Owner and Contact

Tina Tah, RN, BSN, MBA

2.8.1.2 National Reporting

NATIONAL (included in IHS Performance Report; reported to OMB and Congress)

2.8.1.3 Denominators

1. Active Clinical patients who are 30 through 394 days old.
2. GPRA: Active Clinical patients who are 30 through 394 days old who were screened for infant feeding choice at the age of 2 months (45 through 89 days).
3. Active Clinical patients who are 30 through 394 days old who were screened for infant feeding choice at the age of 6 months (165 through 209 days).
4. Active Clinical patients who are 30 through 394 days old who were screened for infant feeding choice at the age of 9 months (255 through 299 days).
5. Active Clinical patients who are 30 through 394 days old who were screened for infant feeding choice at the age of 1 year (350 through 394 days)
6. User Population patients who are 30 through 394 days old who were screened for infant feeding choice at the age of 2 months (45 through 89 days).

2.8.1.4 Numerators

1. Patients who were screened for infant feeding choice at least once.
2. Patients who were screened for infant feeding choice at the age of 2 months (45 through 89 days).
3. Patients were screened for infant feeding choice at the age of 6 months (165 through 209 days).

4. Patients who were screened for infant feeding choice at the age of 9 months (255 through 299 days).
5. Patients who were screened for infant feeding choice at the age of 1 year (350 through 394 days).
6. GPRA: Patients who, at the age of 2 months (45 through 89 days), were either exclusively or mostly breastfed.
7. Patients who, at the age of 6 months (165 through 209 days), were either exclusively or mostly breastfed.
8. Patients who, at the age of 9 months (255 through 299 days), were either exclusively or mostly breastfed.
9. Patients who, at the age of 1 year (350 through 394 days), were either exclusively or mostly breastfed.

2.8.1.5 Definitions

Patient Age

Since the age of the patient is calculated at the beginning of the Report Period, this measure may include patients up to 25 months old if they were within the eligible age range on the first day of the Report Period, and will not include any patients that were born after the first day of the Report Period. Patients born after the first day of the Report Period will be included in the following Report Period.

Infant Feeding Choice

The documented feeding choice from the file V Infant Feeding Choice that is closest to the exact age that is being assessed will be used. For example, if a patient was assessed at 45 days old as half breastfed and half formula and assessed again at 65 days old as mostly breastfed, the mostly breastfed value will be used since it is closer to the exact age of 2 months (i.e., 60 days). Another example is a patient who was assessed at 67 days as mostly breastfed and again at 80 days as mostly formula. In this case, the 67 days value of mostly breastfed will be used. The other exact ages are 180 days for 6 months, 270 days for 9 months, and 365 days for one year.

In order to be included in the age-specific screening numerators, the patient must have been screened at the specific age range. For example, if a patient was screened at 6 months and was exclusively breastfeeding but was not screened at 2 months, then the patient will only be counted in the 6 months numerator.

2.8.1.6 GPRA 2017 Target

During GPRA Year 2017, achieve the target rate of 36.4% for the proportion of two-month olds who are mostly or exclusively breastfeeding.

2.8.1.7 Patient Lists

- List of Active Clinical patients ages 30 through 394 days who were screened for Infant Feeding Choice at least once.
- List of Active Clinical patients ages 30 through 394 days who were not screened for Infant Feeding Choice at least once.
- List of Active Clinical patients screened at the age of 2 months (ages 45 through 89 days) and were either exclusively or mostly breastfed.
- List of Active Clinical patients screened at the age of 2 months (ages 45 through 89 days) and were not exclusively or mostly breastfed.

List of Acronyms

Acronym	Term Meaning
AI/AN	American Indian/Alaska Native
AMI	Acute Myocardial Infarction
BH	Behavioral Health
BHS	Behavioral Health System
BMI	Body Mass Index
BP	Blood Pressure
CABG	Coronary Artery Bypass Graft
CHD	Coronary Heart Disease
CHR	Community Health Representative
CPT	Current Procedural Terminology
CRC	Colorectal Cancer
CRS	Clinical Reporting System
CVD	Cardiovascular Disease
CVX	Vaccine Code
DM	Diabetes Mellitus
DNKA	Did Not Keep Appointment
DPST	Demo/Test Patient Search Template
ER	Emergency Room
ESRD	End Stage Renal Disease
ETDRS	Early Treatment Diabetic Retinopathy Study
ETS	Environmental Tobacco Smoke
FAS	Fetal Alcohol Syndrome
FIT	Fecal Immunochemical Test
FOBT	Fecal Occult Blood Test
FY	Fiscal Year
GFR	Glomerular Filtration Rate
GPRA	Government Performance and Results Act of 1993
HIV	Human Immunodeficiency Virus
ICD	International Classification of Diseases
IFC	Infant Feeding Choice
IHS	Indian Health Service
IMM	Immunization
IPV/DV	Intimate Partner Violence/Domestic Violence
IVD	Ischemic Vascular Disease
LDL	Low-Density Lipoprotein

Acronym	Term Meaning
LOINC	Logical Observations Identifiers, Names, Codes
NMI	Not Medically Indicated
OMB	Office of Management and Budget
PCC	Patient Care Component
PCI	Percutaneous Coronary Interventions
POV	Purpose of Visit
PRC	Purchased and Referred Care
RPMS	Resource and Patient Management System
TIA	Transient Ischemic Attack

Contact Information

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