Calculations for HIV/AIDS **Bureau** (HAB) Quality Management (QM) Indicators Report in the AIDS Regional Information & Evaluation System

The HAB QM Indicators are very complex. This document is intended to assist ARIES users in understanding what data elements go into generating each QM Indicator. For information on a specific measure, please refer to the pages listed below.

Group	Performance Measure	Page
Core Measures	Gap in Medical Visits	3
	Medical Visits Frequency	5
	Viral Load Suppression	7
	Prescribed Antiretroviral Therapy	9
All Ages Measures	TB Screening	11
	Viral Load Monitoring	Use Viral Load Suppression (7)
Adolescent/Adult Measures	Cervical Cancer Screening	13
	Chlamydia Screening	15
	Gonorrhea Screening	17
	Hepatitis B Screening	19
	Hepatitis B Vaccination	21
	Hepatitis C Screening	23
	Oral Exam	25
	Syphilis Screening	27

Group	Performance Measure	Page
Medical Case Management Measures	Care Plan	29
	Gap in Medical Visits	Use Gap in Medical Visits (3)
	Medical Visit Frequency	Use Medical Visit Frequency (5)
Systems Level	Housing Status	31
	Linkage to HIV Medical Care	33

Additional Assistance

To open the ARIES User Manual, hit the F1 key while logged into the system or select Help from the black navigation bar at the top of screen.

California providers can call the ARIES Help Desk for assistance. They can be reached at 1-866-411-2743. Please do not leave any client information on their voice message.

Gaps in Medical Visits

Performance Measure	Percentage of clients, regardless of age, with a diagnosis of HIV who had a medical visit in the last 6 months of the measurement year	**Reporting Period** One year
Numerator	Number of clients from the denominator who had a medical visit in the last 6 months of the measurement year	
	Services tab > Outpatient/Ambulatory Medical Care service (see below) = within the last 6 months of the reporting period **OR**	Medical tab > Medical History subtab > CD4 Date = within the last 6 months of the reporting period **OR** Medical tab > Medical History subtab > Viral Load Date = within the last 6 months of the reporting period
Denominator	Number of clients, regardless of age, with a **diagnosis of HIV** with at least one **medical visit** in the first 6 months of the measurement year	
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR**	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR**

Gaps in Medical Visits

	Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period [Note: If the user selects Contract, Program, or Funding Source filter(s) for this indicator, the filter apply to the Outpatient/Ambulatory Medical Care services in the denominator, but not the numerator.]
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period	
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in three ways that diverge from HAB's definition: • Contrary to HAB's original measure which measures clients who did **not** have a medical visit in the last 6 months of the measurement year, ARIES measures clients who **not have gaps** in medical visits. This decision was made so that all percentage "moved in the same way" – the closer to 100%, the more positive the outcome. • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES applies client exclusions where HAB does not.	

Medical Visits Frequency

Performance Measure	Percentage of clients, regardless of age, with a diagnosis of HIV who had at least one medical visit in each 6-month period of the 24-month measurement period with a minimum of 60 days between medical visits	**Reporting Period** Two years
Numerator	Number of clients from the denominator who had at least one medical visit in each 6-month period of the 24-month measurement period with a minimum of 60 days between first medical visit in the prior 6-month period and the last medical visit in the subsequent 6-month period	
	Services tab > Outpatient/Ambulatory Medical Care (see below) > Date **OR** →	Medical tab > Medical History subtab > CD4 Date **OR** Medical tab > Medical History subtab > Viral Load Date
Denominator	Number of clients, regardless of age, with a **diagnosis of HIV** with at least one **medical visit** in the first 6 months of the 24-month measurement period	
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period [Note: If the user selects Contract, Program, or Funding Source filter(s) for this indicator, the filter apply to the Outpatient/Ambulatory Medical Care

	services in the denominator, but not the numerator.]
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES applies client exclusions where HAB does not.

Viral Load Suppression

Performance Measure	Percentage of clients, regardless of age, with a diagnosis of HIV with a HIV viral load less than 200 copies per mL at last HIV viral load test during the measurement year	Reporting Period One year
Numerator	Number of clients from the denominator whose (1) last viral load test within the measurement year is (2) less than 200 copies per mL	
	Medical tab > Medical History subtab > Tests > Viral Load > Date = a value within the measurement year **AND** →	Medical tab > Medical History subtab > Tests > Viral Load > Value is less than 200 copies per mL.
Denominator	Number of clients, regardless of age, with a **diagnosis of HIV** with at least one **medical visit** in the measurement year	
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following:	

- Reported Deceased as of the end of the reporting period
- Confirmed Deceased as of the end of the reporting period
- Disenrolled as of the end of the reporting period
- Discharged as of the end of the reporting period

HAB's Definition

To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition:

- ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care.
- ARIES applies client exclusions where HAB does not.

NOTE: Given changes in treatment guidelines, the Viral Load Monitoring indicator is increasingly difficult to measure as a stand-alone indicator and was not programmed into ARIES. Providers who are interested in assessing Viral Load Monitoring can run the All Client Export for Viral Load Suppression. The resulting file includes the last two viral load test dates and values for all clients in the Viral Load Suppression indicator.

Prescription of HIV Antiretroviral Therapy

Performance Measure	Percentage of clients, regardless of age, with a diagnosis of HIV prescribed antiretroviral therapy for the treatment of HIV infection during the measurement year	**Reporting Period** One year
Numerator	Number of clients from the denominator prescribed HIV antiretroviral therapy during the measurement year	
	Medications tab > ART subtab > ART Type = Highly Active Anti-Retroviral Therapy (HAART) (Triple Therapy) **OR** →	Medications tab > ART subtab > Anti-Retroviral Drugs = any of the following: • Atripla (tenofovir DF/emtricitabine/efavirenz) (d05847) • Complera (emtricitabine/rilpivirine/tenofovir) (d07796) • Stribild (cobicistat/elvitegravir/emtricitabine/tenofo) (d07899) • Triumeq (abacavir/dolutegravir/lamivudine) (d08284) • Trizivir (abacavir/lamivudine/zidovudine) (d04727)
Denominator	Number of clients, regardless of age, with a **diagnosis of HIV** with at least one **medical visit** in the measurement year	
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period

Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES applies client exclusions where HAB does not.

Tuberculosis Screening

Performance Measure	Percentage of clients aged 3 months and older with a diagnosis of HIV, for whom there was documentation that a tuberculosis (TB) screening test was performed and results interpreted (for tuberculin skin tests) at least once since the diagnosis of HIV infection	**Reporting Period** One year
Numerator	Number of clients from the denominator who had (1) Date PPD was read or (2) IGRA Date at least once since HIV Diagnosis	
	Medical tab > Medical History subtab > Date PPD/TST Read = date following the date of HIV Diagnosis NOTE: Results from the tuberculin skin test must be interpreted by a health care professional. **OR** Medical tab > Medical History subtab > IGRA Date = date following the date of HIV diagnosis **AND** →	Date of HIV Diagnosis is determined by using the earliest date among the following data elements on the Basic Medical subtab: • Date First HIV Positive, • If blank, ARIES uses January 1 of Year First HIV+, • If blank, ARIES uses the date of the earliest HIV Test record where result is Positive, • If no HIV Test records exist where result is Positive, ARIES uses AIDS Diagnosis Date, • If blank, ARIES uses the date of the earliest AIDS Defining Condition record, • If no AIDS Defining Condition record exists, ARIES uses the date of the earliest CD4 Test on the Medical History subtab where the T Cell Count is below 200, • If no CD4 Tests exist where below 200, Date of HIV Diagnosis cannot be determined.
Denominator	All clients aged 3 months and older with a **diagnosis of HIV**, who had at least one **medical visit** during the measurement year	
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR**	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty

	Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	• Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period
Exclusions	Clients who meet the following criteria are excluded from the measure: Medical History subtab > Tuberculosis > Date of TB Diagnosis **OR** Treatment Start Date is before the end of the reporting period Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period	
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in three ways that diverge from HAB's definition: • ARIES bases the denominator on client with "at least one medical visit during the measurement year," whereas HAB limits it to clients with "at least two visits during the measurement year, with at least 90 days in between each visit." • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES applies client exclusions for deceased and disenrolled clients where HAB does not.	

Cervical Cancer Screening

Performance Measure	Percentage of female clients with a diagnosis of HIV who have a Pap screening in the measurement year	**Reporting Period** One year
Numerator	Number of female clients in the denominator who had **Pap screen results** documented in the measurement year Pap screen result is determined by: Medical Tab > OB/GYN & Pregnancy > Pap Smear & Pelvic Exam Dates = a date within the reporting period	
Denominator	Number of female clients age 13 and older with a **diagnosis of HIV** who had a **medical visit** with a provider with prescribing privilege at least once in the measurement year	

Denominator — Diagnosis of HIV is determined by:

Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following:

- CDC-Defined AIDS
- Disabling AIDS
- HIV positive, asymptomatic
- HIV positive, disabling
- HIV positive, disease stage unknown
- HIV positive, symptomatic, not AIDS
- Pediatric, confirmed HIV positive **OR**

Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR**

Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR**

Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR**

Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the

Denominator — Medical visit is determined by:

Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND**

Secondary Service = any of the following:

- CD-4 T-Cell Count
- Follow-Up Visit
- Infectious Diseases
- Laboratory Service
- Medication
- Neurology
- New Patient Intake
- Ob/Gyn
- Oncology
- Other Specialty
- Outpatient/Ambulatory Medical Care
- Urgent Care Visit
- Viral Load Test **OR**

Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR**

Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period

Denominator — Female is determined by:

Demographics > Demographic Detail > Identifiers > Current Gender = Female **OR** Transgender FTM

OR

Demographics > Demographic Detail > Demographics > Sex at Birth = Female

Denominator — Age is determined by:

Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

	end of the reporting period		
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period		
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in four ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased or disenrolled clients. HAB does not. • HAB's denominator is defined as female clients over age 18 or younger with a history of sexual activity. Since ARIES does not capture current sexual history, and since this indicator is in the Adolescent and Adult Measures, ARIES defines the denominator as female clients age 13 and older. • In addition to excluding female clients 18 and younger with no history of sexual activity, HAB also excludes clients who have had a hysterectomy for non-dysplasia/non-malignant indications. ARIES does not capture this data and thus cannot exclude these clients.		

Chlamydia Screening

Performance Measure	Percentage of clients with a diagnosis of HIV at risk for sexually transmitted infections (STI) who had a test for chlamydia within the measurement year		**Reporting Period** One year
Numerator	Number of clients in the denominator who had a test for chlamydia in the measurement year		
	Medical tab > Medical History subtab > STI/Hepatitis = Chlamydia **AND** →	Medical tab > Medical History subtab > STI/Hepatitis > Date (Chlamydia) = a value within the measurement year	
Denominator	Number of clients age 13 and older with a **diagnosis of HIV** who had a **medical visit** with a provider with prescribing privilege at least once in the measurement year		
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

	end of the reporting period		
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period **OR** Medical tab > Medical History subtab > STI/Hepatitis > most recent Chlamydia test within the reporting period > Is Not Medically Indicated box is checked		
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in three ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased or disenrolled clients. HAB does not. • HAB's denominator is defined as clients who are: (a) newly enrolled in care; (b) sexually active; or (c) had a STI within the last 12 months. ARIES does not capture current sexual history, and since this indicator is in the Adolescent and Adult Measures, ARIES defines the denominator as clients age 13 and older.		

Gonorrhea Screening

Performance Measure	Percentage of clients with a diagnosis of HIV at risk for sexually transmitted infections (STI) who had a test for gonorrhea within the measurement year		**Reporting Period** One year
Numerator	Number of clients in the denominator who had a test for gonorrhea in the measurement year		
	Medical tab > Medical History subtab > STI/Hepatitis = Gonorrhea **AND** →	Medical tab > Medical History subtab > STI/Hepatitis > Date (Gonorrhea) = a value within the measurement year	
Denominator	Number of clients age 13 and older with a **diagnosis of HIV** who had a **medical visit** with a provider with prescribing privilege at least once in the measurement year		
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** • Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period **OR** Medical tab > Medical History subtab > STI/Hepatitis > most recent Gonorrhea test within the reporting period > Is Not Medically Indicated box is checked
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased and disenrolled clients. HAB does not. • HAB's denominator is defined as clients who are: (a) newly enrolled in care; (b) sexually active; or (c) had a STI within the last 12 months. ARIES does not capture current sexual history, and since this indicator is in the Adolescent and Adult Measures, ARIES defines the denominator as clients age 13 and older.

Hepatitis B Screening

Performance Measure	Percentage of clients for whom Hepatitis B screening was performed at least once since the diagnosis of HIV	**Reporting Period** One year

Numerator

Number of clients in the denominator for whom **Hepatitis B screening** was performed at least once since the diagnosis of HIV

Medical tab > Medical History subtab > STI/Hepatitis = Hepatitis B **AND** Medical Tab > Medical History subtab > STI/Hepatitis = Date (Hepatitis B) = a value after HIV Date of Diagnosis	Date of HIV Diagnosis is determined by using the earliest date among the following data elements on the Basic Medical subtab: • Date First HIV Positive, • If blank, ARIES uses January 1 of Year First HIV+, • If blank, ARIES uses the date of the earliest HIV Test record where result is Positive, • If no HIV Test records exist where result is Positive, ARIES uses AIDS Diagnosis Date, • If blank, ARIES uses the date of the earliest AIDS Defining Condition record, • If no AIDS Defining Condition record exists, ARIES uses the date of the earliest CD4 Test on the Medical History subtab where the T Cell Count is below 200, • If no CD4 Tests exist where below 200, Date of HIV Diagnosis cannot be determined.

Denominator

Number of clients age 13 or older with a **diagnosis of HIV** with at least two **medical visits** in the measurement year, with at least 60 days in between each visit

Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

	reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	• Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period	

Exclusions

Clients who meet the following criteria are excluded from the measure:

Demographics tab > Agency Specifics subtab > Agency Status = any of the following:

- Reported Deceased as of the end of the reporting period
- Confirmed Deceased as of the end of the reporting period
- Disenrolled as of the end of the reporting period
- Discharged as of the end of the reporting period

OR

Medical tab > Medical History subtab> STI/Hepatitis = Hepatitis B test has Diagnosis = Positive diagnostic test **AND** Date is before the end of the reporting period

OR

Medical Tab > Medical History subtab > Immunizations > Immunization Type = Hepatitis B – Dose 3 and Date is before the end of the reporting period **OR**
Medical Tab > Medical History subtab > Immunizations > Immunization Type = Twinrix – Dose 3 and Date is before the end of the reporting period

HAB's Definition

To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in three ways that diverge from HAB's definition:

- ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care.
- HAB has no client exclusions. ARIES excludes deceased or disenrolled clients, as well as clients who have been diagnosed with, or immunized against, Hepatitis B period to the end of the reporting period..
- HAB's denominator includes all clients regardless of age. However, since this indicator is in the Adolescent and Adult Measures, ARIES defines the denominator as clients age 13 and older.

Hepatitis B Vaccination

Performance Measure	Percentage of clients with a diagnosis of HIV who completed the vaccination series for Hepatitis B		**Reporting Period** One year
Numerator	Number of clients in the denominator with documentation of having ever completed the vaccination series for Hepatitis B		
	Medical tab > Medical History subtab > Immunizations > Immunization Type = Hepatitis B – Dose 3 and Date is before the end of the reporting period **OR** →	Medical tab > Medical History subtab > Immunizations > Immunization Type = Twinrix – Dose 3 and Date is before the end of the reporting period	
Denominator	Number of clients age 13 or older with a **diagnosis of HIV** who had a **medical visit** with a provider with prescribing privilege at least once in the measurement year		
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

	end of the reporting period		
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period **OR** Medical tab > Medical History subtab > STI/Hepatitis = Hepatitis B test has Diagnosis = Positive diagnostic test **AND** Date if before the end of the reporting period		
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in four ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased or disenrolled clients. HAB does not. • HAB excludes newly enrolled clients. ARIES does not. • Though HAB's denominator does not explicitly state age requirements, this indicator is in the Adolescent and Adult Measures so ARIES defines the denominator as clients age 13 and older.		

Hepatitis C Screening

Performance Measure	Percentage of clients for whom Hepatitis C (HCV) screening was performed at least once since the diagnosis of HIV		**Reporting Period** One year
Numerator	Number of clients in the denominator for whom Hepatitis C screening was performed at least once since the diagnosis of HIV		
	Medical tab > Medical History subtab > STI/Hepatitis = Hepatitis C **AND** Medical tab > Medical History subtab > STI/Hepatitis = Date (Hepatitis C) = a date after HIV Date of Diagnosis	Date of HIV Diagnosis is determined by using the earliest date among the following data elements on the Basic Medical subtab: • Date First HIV Positive, • If blank, ARIES uses January 1 of Year First HIV+, • If blank, ARIES uses the date of the earliest HIV Test record where result is Positive, • If no HIV Test records exist where result is Positive, ARIES uses AIDS Diagnosis Date, • If blank, ARIES uses the date of the earliest AIDS Defining Condition record, • If no AIDS Defining Condition record exists, ARIES uses the date of the earliest CD4 Test on the Medical History subtab where the T Cell Count is below 200, • If no CD4 Tests exist where below 200, Date of HIV Diagnosis cannot be determined.	
Denominator	Number of clients age 13 or older with a **diagnosis of HIV** with at least one **medical visit** with a provider with prescribing privileges at least once in the measurement year		
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

	reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	• Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period	
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period **OR** Medical tab > Medical History subtab > STI/Hepatitis = Hepatitis C test has Diagnosis = Positive diagnostic test **OR** (b) Hepatitis C test has a Treatment Start Date before the end of the reporting period		
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in three ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased or disenrolled clients. HAB does not. • Though HAB's denominator does not explicitly state age requirements, this indicator is in the Adolescent and Adult Measures so ARIES defines the denominator as clients age 13 and older.		

Oral Exam

Performance Measure	Percentage of clients with a diagnosis of HIV who received an oral exam by a dentist at least once during the measurement year	**Reporting Period** One year

Numerator	Number of clients from the denominator who had an **oral exam** by a dentist during the measurement year, based on client self-report or other documentation	
	Services tab > Primary Service = Oral Health Care **AND** Date of Service = during the reporting period **OR** →	Care Plan tab > Referrals subtab > Primary Service = Oral Health Care **AND** Outcome = Kept Appointment **AND** Outcome Date is during the reporting period NOTE: To record an oral exam based on client self-report, complete a Care Plan Referral as described above

Denominator	Number of clients age 13 and older with a **diagnosis of HIV** with at least one **medical visit** in the measurement year		
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR**	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

Oral Exam			
	Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	not blank **AND** Viral Load Date is within reporting period	
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period		
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased and disenrolled clients. HAB does not. • Though HAB's denominator does not explicitly state age requirements, this indicator is in the Adolescent and Adult Measures so ARIES defines the denominator as clients age 13 and older.		

Syphilis Screening

Performance Measure	Percentage of clients with a diagnosis of HIV who had a test for syphilis within the measurement year		**Reporting Period** One year
Numerator	Number of clients in the denominator who had a **test for syphilis** in the measurement year		
	Medical tab > Medical History subtab > STI/Hepatitis = Syphilis **AND** →	Medical tab > Medical History subtab > STI/Hepatitis > Date (Syphilis) = a value within the measurement year	
Denominator	Number of clients age 13 and older with a **diagnosis of HIV** who had a **medical visit** with a provider with prescribing privilege at least once in the measurement year		
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the	Medical visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period	Age is determined by: Demographics > Demographic Detail > Identifiers > Date of Birth = 13 years or older

	end of the reporting period		
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period **OR** Medical tab > Medical History subtab > STI/Hepatitis > most recent Syphilis test within the reporting period > Is Not Medically Indicated box is checked		
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in three ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased or disenrolled client. HAB does not. • HAB's denominator is defined as clients who are: (a) newly enrolled in care; (b) sexually active; or (c) had a STI within the last 12 months. ARIES does not capture current sexual history, and since this indicator is in the Adolescent and Adult Measures, ARIES defines the denominator as clients age 13 and older.		

Care Plan

Performance Measure	Percentage of medical case management clients, regardless of age, with a diagnosis of HIV who had a medical case management care plan developed and/or updated two or more times in the measurement year	**Reporting Period** One year

Numerator	Number of clients from the denominator who had a **Care Plan** developed and/or updated two or more times which are at least three months apart in the measurement year	
	Care Plan is determined by: Services tab > Primary Service = Medical Case Management (including Treatment Adherence) **AND** Secondary Service = • Initial Assessment and Plan Development • Plan Re-Evaluation • Service Coordination and Medical Follow-Up within the measurement year **OR** →	Care Plan tab > Care Plan subtab > Date Need Identified is within the measurement year **OR** Care Plan tab > Care Plan subtab >Tasks > Date Initiated is within the reporting period **OR** Care Plan tab > Referral subtab > Referral Date is within the reporting period
Denominator	Number of **medical case management clients**, regardless of age, with a **diagnosis of HIV** who had at least one **medical case management visit** in the measurement year	
	Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR**	A Medical Case Management visit is determined by: Services tab > Program = Ryan White **AND** Services tab > Primary Service = Medical Case Management (including Treatment Adherence)

	Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period • Confirmed Deceased as of the end of the reporting period • Disenrolled as of the end of the reporting period • Discharged as of the end of the reporting period **OR** Clients whose first Medical Case Management service was within six months of the end of the reporting period	
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased clients. HAB does not.	

Housing Status

Performance Measure	Percentage of clients with a diagnosis of HIV who were stably housed in the 12-month measurement period	**Reporting Period** One year
Numerator	Number of clients from the denominator who were **stably housed** as of the end of the 12-month measurement period. Stably housed is defined as: Demographics tab > Living Situation subtab > Stability Scale = Stable/Permanent **AND** As Of Date is as of the end of the measurement period	
Denominator	Number of clients with a **diagnosis of HIV,** who were receiving **HIV services** in the last 12 months. Diagnosis of HIV is determined by: Medical tab > Basic Medical subtab > CDC Disease Stage = any of the following: • CDC-Defined AIDS • Disabling AIDS • HIV positive, asymptomatic • HIV positive, disabling • HIV positive, disease stage unknown • HIV positive, symptomatic, not AIDS • Pediatric, confirmed HIV positive **OR** Medical tab > Basic Medical subtab > Date First HIV Positive **OR** Year First HIV+ **OR** AIDS Diagnosis Date has a date that occurs before the end of the reporting period **OR** Medical tab > Basic Medical subtab > HIV Test Result is Positive **AND** test date is before the end of the reporting period **OR** Medical tab > Basic Medical subtab > AIDS Defining Condition is not blank **AND** is not Other Diagnosis **AND** date occurs before end of reporting period **OR** Medical tab > Medical History subtab > T Cell Count is under 200 **AND** CD4 Date is before the end of the reporting period	HIV Service is determined by: Services tab > Primary Service = at least one HIV service of any type during the measurement period
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased as of the end of the reporting period	

- Confirmed Deceased as of the end of the reporting period
- Disenrolled as of the end of the reporting period
- Discharged as of the end of the reporting period

HAB's Definition

To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition:

- Contrary to HAB's original measure which measures clients who "were homeless or unstably housed," ARIES measures clients were stably housed. This decision was made so that all percentages "moved in the same way" – the closer to 100%, the more positive the outcome.
- ARIES excludes deceased or disenrolled clients. HAB does not.
- HAB documentation for this measure is contradictory: in one section, it states the client needs at least one medical visit during the measurement period, but in another section is simply states HIV services. ARIES adopted the broader scope – at least one HIV service of any type.

Linkage to HIV Medical Care

Performance Measure	Percentage of clients who attended a routine HIV medical care visit within 3 months of HIV diagnosis	**Reporting Period** One year
Numerator	Number of clients from the denominator who attended a routine **HIV medical care visit** within 3 months of the **date of HIV diagnosis**	
	HIV Medical care visit is determined by: Services tab > Primary Service = Outpatient/Ambulatory Medical Care **AND** Secondary Service = any of the following: • CD-4 T-Cell Count • Follow-Up Visit • Infectious Diseases • Laboratory Service • Medication • Neurology • New Patient Intake • Ob/Gyn • Oncology • Other Specialty • Outpatient/Ambulatory Medical Care • Urgent Care Visit • Viral Load Test **OR** •	Medical tab > Medical History subtab > T Cell Count is not blank **AND** CD4 Date is within reporting period **OR** Medical tab > Medical History subtab > Value is not blank **AND** Viral Load Date is within reporting period
Denominator	Number of clients with a **diagnosis of HIV** in the 12-month measurement period.	
	Date of HIV Diagnosis is during the reporting period and is determined by using the earliest date among the following data elements on the Basic Medical subtab: • Date First HIV Positive, • If blank, ARIES uses January 1 of Year First HIV+, • If blank, ARIES uses the date of the earliest HIV Test record where result is Positive, • If no HIV Test records exist where result is Positive, ARIES uses AIDS Diagnosis Date, • If blank, ARIES uses the date of the earliest AIDS Defining Condition record,	HIV Service is determined by: Services tab > Primary Service = at least one service of any type during the measurement period

	• If no AIDS Defining Condition record exists, ARIES uses the date of the earliest CD4 Test on the Medical History subtab where the T Cell Count is below 200, • If no CD4 Tests exist where below 200, Date of HIV Diagnosis cannot be determined.	
Exclusions	Clients who meet the following criteria are excluded from the measure: Demographics tab > Agency Specifics subtab > Agency Status = any of the following: • Reported Deceased within 7 days of diagnosis • Confirmed Deceased within 7 days of diagnosis	
HAB's Definition	To read the HAB definition of this measure, go to http://hab.hrsa.gov/deliverhivaidscare/habperformmeasures.html. ARIES operationalizes this measure in two ways that diverge from HAB's definition: • ARIES includes CD4 and Viral Load tests as evidence that a client was in medical care. • ARIES excludes deceased clients. HAB does not.	