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## Performance Measure-PDI Field Map

This document details all the data elements used by HAB Performance Measures in CAREWare and lists the corresponding data elements in the Provider Data Import (PDI) Template. Every Performance Measure contains a numerator and a denominator, which in turn contain criteria to filter data in CAREWare. The Calculated Object column lists the name of each element in the performance measure.

The PDI Template Fields column refers to the CAREWare PDI Template, which is an MS Access database available for free download from the CAREWare Help Desk. The User Data column generally describes which data belong in the PDI fields listed in the previous column, and it mentions important business rules in cases where they exist. The last column explains how CAREWare uses the data imported through the PDI to populate the Performance Measure.

In the PDI schema, there are many field pairs in which one field name ends with “\_code” and the other with “\_label” but the rest of the field names are the same. Field pairs that follow this pattern are meant to hold values that can be mapped; the data source can supply its own native code in the code field and a description of the code (repeated each time with the code) in the label field. For example, CAREWare stores a “1” for male and “2” for female in the client record, but when importing through the PDI, users do not need to know the CAREWare gender codes; they can use “M” and “F” if that’s what’s in the source database, and they will be prompted to map those codes to the CAREWare gender options after the first import.

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Performance Measure CORE01 - HIV viral Load Suppression				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected)	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HIV Status by Date	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as not HIV-indeterminate will be included
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: • Alive • Deceased • Unknown	Client is not deceased
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Numerator				

Last Qualitative Lab Value	tst_qlt_ts_fk, tst_tst_df_fk, tst_date	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients who receive a viral load count lab with a value <= 199
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Performance Measure CORE02 - Prescription of HIV antiretroviral therapy				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HIV Status by Date	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected)	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as not HIV-indeterminate will be included
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: • Alive • Deceased	Client is not deceased
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Numerator				

ARV Count	avl_md_arv_count, mdc_ind_rfk, mdc_start_date, mdc_end_date	mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication, Avl_md_arv_count (TableName: mtd_available_medication)	possible values of mdc_indication • ART • OI Prophylaxis • OI Treatment • Other	mdc_indication should be ART, mdc_arv_count >= 1
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Performance Measure CORE03 - Medical visit frequency				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HIV Status by Date	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as not HIV-indeterminate will be included
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: <ul style="list-style-type: none"> <li>• Alive</li> <li>• Deceased</li> <li>• Unknown</li> </ul>	Client is not deceased

HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
<b>Numerator</b>				
Date Diff	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Uses Date of first and Date of last srv cat in span as subfilters. Value= 60 days (minimum days between first and last visit in period) Diff type: Days Note these "Date Diff" fields are repeated exactly except that they cover 0 to 6 and 6 to 12 months ago.
Subfilter of Date Diff: Date of first srv Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted. Srv category=Outpatient/amb care Date Span: 24 to 18 months ago
Subfilter of Date Diff: Date of last srv Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted. Srv category=Outpatient/amb care Date Span: 18 to 12 months ago



Performance Measure CORE04 - Gap in medical visits				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	How does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HIV Status by Date	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as not HIV-indeterminate will be included
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: • Alive • Deceased • Unknown	Client is not deceased
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within the first 6 months

Numerator				
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with zero visits of "Outpatient Ambulatory Medical Care" category within the last six months.

Performance Measure HAB01 - Primary care visits > = 3 months apart				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age	map_cl_dob	cln_dob (TableName: exp_client)		Age >= 13
Numerator				
Srv Cat Interval Count	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)	srv_category should be Outpatient Ambulatory Medical Care	Clients with service visits of two or more times at least 3 months apart during

Performance Measure HAB02 - Percentage with >= 2 CD4 Counts				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_date, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active within the span
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13

Numerator				
Lab Interval Count	tst_date (TableName: cw_test), tst_ts_df_fk (TableName: cw_test_definition)	tst_date, tst_test_definition_code (TableName: exp_test)	tst_test_definition_code should be CD4 Count	Clients who had at least two CD4 counts at least three months apart.

Performance Measure HAB03 - CD4 < 200 with PCP prophylaxis				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_date, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active within the span
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13

Has Quantitative Lab Value Maintaining Threshold	tst_pk (TableName : cw_test), tst_ts_df_fk (TableName: cw_test_definition)	tst_date, tst_test_definition_code (TableName: exp_test)	tst_test_definition_code should be CD4 Count	Clients having a CD4 count below 200 cells
<b>Numerator</b>				
Has OI Proph in Period	mdc_start_date, mdc_end_date, mdc_prp_rfk	mdc_start_date, mdc_end_date, mdc_prophylaxis (TableName: exp_medication)	Possible values for mdc_prophylaxis are <ul style="list-style-type: none"> <li>• Pneumocystis carinii pneumonia (PCP)</li> <li>• M. avium complex (Mac)</li> <li>• M. tuberculosis (Mtb)</li> <li>• Candida</li> <li>• Cytomegalovirus (CMV)</li> <li>• Toxoplasma gondii</li> <li>• Varicella zoster virus (VZV)</li> <li>• Other</li> </ul>	No. of clients who were prescribed PCP prophylaxis within span

Performance Measure HAB04 - AIDS Clients on HAART				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Status by Date	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients need to be with HIV Status of "CDC defined AIDS"
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active within the span
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13



Numerator				
Max ARV Count In Span	cln_rgm_ingredient_count , cln_rgm_start_date, cln_rgm_stop_date (TableName: cw_client_art_regimens)	mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication, Avl_md_arv_count (TableName: td_available_medication)		Clients on HAART. Calculates a total of all ARV medications in the date span

Performance Measure HAB05 - Percentage of pregnant women prescribed				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active within the span
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13

Pregnant In Period	prg_hs_delivery_date, prg_hs_est_conception_date	prg_est_conception_date, prg_delivery_date (TableName: exp_pregnancy)		Clients who are pregnant in period are selected.
Last Preg Outcome In Span	prg_hs_delivery_date, prg_hs_est_conception_date, prg_hs_prg_ot_rfk	prg_est_conception_date, prg_delivery_date, prg_outcome (TableName: exp_pregnancy)	prg_outcome possible values are • Live Birth • Therapeutic (induced) abortion • Spontaneous abortion (miscarriage) • Stillbirth • Unknown	CAREWare uses the "Delivery date", "Pregnancy Outcome" and "Estimated conception date" to determine Last Pregnancy Outcome in Span. Needs the outcome to be neither of "Therapeutic induced abortion", "Spontaneous abortion (miscarriage)" or "Stillbirth" or no value at all.
Gender	map_cl_gender	cln_gender (TableName: exp_client)		Female clients are selected
<b>Numerator</b>				
ART taken for Preg In Span	prg_hs_pn_take_art_yes_un_rfk, prg_hs_delivery_date, prg_hs_est_conception_date	prg_est_conception_date, prg_delivery_date, prg_pn_art_taken (TableName: exp_pregnancy)	possible values of prg_pn_art_taken: • No • Yes • Unknown	Clients who prescribed ART during second and third trimester of their pregnancy
Max ARV Count In Span	cln_rgm_ingredient_count, cln_rgm_start_date, cln_rgm_stop_date (TableName: cw_client_art_regimens)	mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication, Avl_md_arv_count (TableName: mtd_available_medication)		Clients on HAART. Calculates a total of all ARV medications in the date span

Performance Measure HAB06 - Adherence Assessment				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active within the span
Age	map_cl_dob	cln_dob (TableName: exp_client)		Age >= 13

ARV Count on Date	avl_md_arv_count, mdc_ind_rfk, mdc_start_date, mdc_end_date	mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication,) Avl_md_arv_count (TableName: mtd_available_medication)	possible values of mdc_indication • ART • OI Prophylaxis • OI Treatment • Other	mdc_indication should be ART
<b>Numerator</b>				
Srv Cat Interval Count	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)	srv_category should be "Treatment Adherence Counseling"	Clients with two or more adherence assessments visits at least three months apart in the year

Performance Measure HAB07 - Cervical Cancer Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		
Gender	map_cl_gender	cln_gender (TableName: exp_client)		Female clients are selected
Has Qualitative Test Result	tst_date, tst_tst_df_fk, tst_qlt_ts_fk	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients with a test "History of sexual activity" of with value (Yes (Yes/No)) and those without Hysterectomy (non-dysplasia/non-malignant indic.) with value "Yes (Yes/No)" and a test Pap Smear with result "Not medically indicated (Pap Test)"
Numerator				

Has Qualitative Test Result	tst_date, tst_tst_df_fk, tst_qlt_ts_fk	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		<p>Clients with a "Pap Smear" with these results :</p> <ul style="list-style-type: none"> <li>• AGCUS (Pap Test)</li> <li>• ASCUS (Pap Test)</li> <li>• HSIL/CIN-2 (Pap Test)</li> <li>• HSIL/CIN-3 (Pap Test)</li> <li>• HSIL/CIS (Pap Test)</li> <li>• Invasive (Pap Test)</li> <li>• LSIL/CIN-1 (Pap Test)</li> <li>• Normal (Pap Test)</li> <li>• Other, abnormal (Pap Test)</li> </ul>
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Performance Measure HAB08 - Hepatitis B Vaccination				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active within the span



Has Qualitative Test Result	tst_date, tst_tst_df_fk, tst_qlt_ts_fk	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients who do not have a Positive (Screening Lab) result for the following tests: <ul style="list-style-type: none"> <li>• Hepatitis B surface-antigen (HBsAg)</li> <li>• Hepatitis B surface-antibody (HBsAb)</li> <li>• HBeAb</li> <li>• HBV(DNA)</li> </ul>
<b>Numerator</b>				
Had Vaccination	imm_date, imm_imm_df_fk, imm_upd_rfk	imm_definition_code, imm_date, imm_received_code (TableName: exp_immunization)		Clients who have an updated value of "Yes" for either of these two immunizations in span: Hep A/Hep B (Twinrix) (3), Hepatitis B (3)

Performance Measure HAB09 - Hepatitis C Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age >= 13
Numerator				
Last Qualitative Lab Date	tst_date, tst_tst_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients with documented HCV status. tst_test_definition_code should be either HCV(RNA) or Hepatitis C antibody

Performance Measure HAB10 - HIV Risk Counseling				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age >= 13
Numerator				
Last Qualitative Lab Date	tst_date, tst_tst_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients with a Yes (Yes/No) value for HIV Risk Reduction Counseling. tst_test_definition_code should be "HIV Risk Reduction Counseling"
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Health ed./risk reduction/prevention" category within a date span are counted.

Performance Measure HAB11 - Lipid Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age >= 13
ARV count(number)	avl_md_arv_count, mdc_ind_rfk, mdc_start_date, mdc_end_date	mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication,) Avl_md_arv_count (TableName: mtd_available_medication)	possible values of mdc_indication • ART • OI Prophylaxis • OI Treatment • Other	Mdc_indication should be "ART". ARV count (number) >= 3. Client should be on HAART
Numerator				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients should receive all of the following tests: • Total Cholesterol • HDL • LDL • Triglycerides

Performance Measure HAB12 - Oral Exam				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age >= 13
Numerator				
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Oral Health Care" category within a date span are counted
Has Referral Category w/ Status	rfr_date_referred, rfr_srv_ct_rfk, rfr_rfr_st_rfk	rfr_date_referred, rfr_service_category, rfr_status (TableName: exp_referral)	Possible values for rfr_status are • Pending • Completed • Lost to follow up • Rejected	Clients who were referred for an oral health care exam. rfr_status should be "Completed"

Performance Measure HAB13 - Syphilis Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		
Has Qualitative Test Result	tst_date, tst_tst_df_fk, tst_qlt_ts_fk	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients with a test "History of sexual activity" of with value (Yes (Yes/No))
Numerator				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients who had syphilis test done

Performance Measure HAB14 - TB Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		

TST Indicated For Period	tst_pk, tst_tst_df_fk, tst_qlt_ts_fk, dgn_pk, dgn_dgn_df_fk, dgn_df_icd9, mdc_pk, mdc_ind_rfk, mdc_prp_rfk, mdc_start_date	tst_pk, tst_test_definition_code, tst_result, mdc_pk, mdc_indication, mdc_prophylaxis, mdc_start_date, dgn_pk, dgn_definition_code (TableNames: exp_test, exp_medication, exp_diagnosis)		Count of each condition should equal to zero 1) cw_diagnosis_definition.dgn_df_icd9 BETWEEN '010.0' AND '012.8' OR cw_diagnosis_definition.dgn_df_icd9 BETWEEN '013' AND '018.9' 2) Indication = 'OI Prophylaxis' OR 'OI Treatment' AND Prophylaxis = 'M. tuberculosis (Mtb)' 3) A Test = 'TST' with a result = 'Positive (>=5 mm)' OR Test = 'IGRA' AND Result = 'Positive'
<b>Numerator</b>				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients who have either TST or IGRA tests



Performance Measure HAB15 - Chlamydia Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		
Has Qualitative Test Result	tst_date, tst_tst_df_fk, tst_qlt_ts_fk	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Positive Screening value for any of the following tests : Syphilis, Human Papillomavirus, Chlamydia, Genital Herpes, Non-Specific Urethritis, Gonorrhea, History of sexual activity (adolescent)
Numerator				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients who have the Chlamydia

Performance Measure HAB16 - Gonorrhea Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		
Has Qualitative Test Result	tst_date, tst_tst_df_fk, tst_qlt_ts_fk	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Positive Screening value for any of the following tests : Syphilis, Human Papillomavirus, Chlamydia, Genital Herpes, Non-Specific Urethritis, Gonorrhea, History of sexual activity (adolescent)
Numerator				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients who have the Gonorrhea within span

Performance Measure HAB17 - Hepatitis B Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob (TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age >= 13
Had Vaccination	imm_date, imm_imm_df_fk, imm_upd_rfk	imm_definition_code, imm_date, imm_received_code (TableName: exp_immunization)		Clients who have an updated value of "No" for either of these two immunizations in span: Hep A/Hep B (Twinrix) (3), Hepatitis B (3)
Numerator				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients who have the any of the following tests within span: Hepatitis B surface-antigen (HBsAg), HBeAg, HBeAb, HBV(DNA)

Performance Measure HAB19 - Influenza Vaccination				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Numerator				
Had Vaccination	imm_date, imm_imm_df_fk, imm_upd_rfk	imm_definition_code, imm_date, imm_received_code (TableName: exp_immunization)		Clients who have an immunization value of "Yes" for "Influenza"

Performance Measure HAB20 - MAC Prophylaxis				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HiV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age >= 13
Lowest Quantitative Lab Value	tst_quantitative_result, tst_tst_df_fk, tst_date	tst_result, tst_test_definition_code, tst_date (TableName: exp_test)		Clients who had a CD4 count below 50 cells
Date of latest Diagnosis ICD9	dgn_date, dgn_df_icd9	dgn_date, dgn_definition_code (TableName: exp_diagnosis)		Clients who have not received a diagnosis with icd9 code of "031.2" during the past year
Numerator				

Has OI Proph in Period	mdc_start_date, mdc_end_date, mdc_prp_rfk	mdc_start_date, mdc_end_date, mdc_prophylaxis (TableName: exp_medication)	Possible values for mdc_prophylaxis are <ul style="list-style-type: none"> <li>• Pneumocystis carinii pneumonia (PCP)</li> <li>• M. avium complex (Mac)</li> <li>• M. tuberculosis (Mtb)</li> <li>• Candida</li> <li>• Cytomegalovirus (CMV)</li> <li>• Toxoplasma gondii</li> <li>• Varicella zoster virus (VZV)</li> <li>• Other</li> </ul>	No. of clients who prescribed MAC prophylaxis within span
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Performance Measure HAB21 - Mental Health Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Enrl Date	map_cl_std_enrollment_date	cln_enrollment_date (TableName: exp_client)		Enrollment date should be within the last year
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13
Numerator				
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Mental Health Sciences" category within a date span are counted
Last Qualitative Lab Value	tst_qlt_ts_fk, tst_tst_df_fk, tst_date	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients who received mental health screening

Performance Measure HAB22 - Pneumococcal Vaccination				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13
Lowest Quantitative Lab Value	tst_quantitative_result, tst_tst_df_fk, tst_date	tst_result, tst_test_definition_code, tst_date (TableName: exp_test)		Clients who had a CD4 count more than 200 cells
Numerator				
Had Vaccination	imm_date, imm_imm_df_fk, imm_upd_rfk	imm_definition_code, imm_date, imm_received_code (TableName: exp_immunization)		Clients who have an updated value of "Yes" for "Pneumovax (Pneumococcal pneumonia)"



Performance Measure HAB23 - Substance Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Enrl Date	map_cl_std_enrollment_date	cln_enrollment_date (TableName: exp_client)		Enrollment date should be within the last year
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13
Numerator				
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Substance Abuse: Outpatient" category within a date span are counted
Last Qualitative Lab Value	tst_qlt_ts_fk, tst_tst_df_fk, tst_date	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients who received Substance Abuse screening

Performance Measure HAB25 - Toxoplasma Screening				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Positive	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
Age At Date	map_cl_dob(TableName: cw_map_client_provider)	cln_dob (TableName: exp_client)		Age at a specified date >= 13
Received Diagnosis	dgn_date, dgn_dgn_df_fk	dgn_date, dgn_definition_code (TableName: exp_diagnosis)		dgn_definition_code should be "(130.0) (Toxoplasmosis) Meningoencephalitis due to toxoplasmosis"
Numerator				
Received Lab or Screening	tst_date, tst_ts_df_fk	tst_date, tst_test_definition_code (TableName: exp_test)		Clients who were screened for Toxoplasma IgG antibody

Performance Measure InCare 1 - Visit Gap				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Status	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • HIV-indeterminate	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported if their HIV status is CSC defined AIDS, HIV positive (AIDS status unknown), or HIV-positive (not AIDS)
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: • Alive • Deceased • Unknown	Client is not deceased
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: • Active • Inactive/Case Closed • Referred or Discharged • Removed • Incarcerated • Relocated	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active, inactive/CaseClosed, or unknown
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted

Numerator				
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at zero services for the "Outpatient Ambulatory Medical Care" category within a date span are counted

Performance Measure InCare 2 - Medical visit frequency				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Status	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported if their HIV status is CSC defined AIDS, HIV positive (AIDS status unknown), or HIV-positive (not AIDS)
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: <ul style="list-style-type: none"> <li>• Alive</li> <li>• Deceased</li> <li>• Unknown</li> </ul>	Client is not deceased
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active, inactive/CaseClosed, or unknown
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted

Numerator			
Date Diff	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)	<p>Uses Date of first and Date of last srv cat in span as subfilters. Value= 60 days (minimum days between first and last visit in period)</p> <p>Diff type: Days</p> <p>Note these "Date Diff" fields are repeated exactly except that they cover 0 to 6 and 12 to 7 months ago.</p>
Subfilter of Date Diff: Date of first srv Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)	<p>Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted. Srv category=Outpatient/amb care</p> <p>Date Span: 24 to 19 months ago</p>
Subfilter of Date Diff: Date of last srv Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)	<p>Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted. Srv category=Outpatient/amb care</p> <p>Date Span: 18 to 13 months ago</p>

Performance Measure InCare 3 - Patients Newly enrolled in				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Status	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported if their HIV status is CSC defined AIDS, HIV positive (AIDS status unknown), or HIV-positive (not AIDS)
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: <ul style="list-style-type: none"> <li>• Alive</li> <li>• Deceased</li> <li>• Unknown</li> </ul>	Client is not deceased
Enrl Date	map_cl_std_enrollment_d ate	cln_enrollment_date (TableName: exp_client)		Enrollment date should be within the last year
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active, inactive/CaseClosed, or unknown

HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
<b>Numerator</b>				
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at zero services for the "Outpatient Ambulatory Medical Care" category within a date span $\geq 8$ months and $\leq 5$ months
HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at zero services for the "Outpatient Ambulatory Medical Care" category within a date span $\geq 4$ months and $\leq 0$ months



Performance Measure InCare 4 - Viral load suppression				
Denominator				
Calculated Object	CAREWare Fields	PDI Template Fields	User Data	What CAREWare does with the data
HIV Status	map_cl_hiv_st_rfk, map_cl_hiv_date, map_cl_aids_date (TableName: cw_map_client_provider)	cln_hiv_status, cln_hiv_date, cln_aids_date (TableName: exp_client)	Holds HIV status, HIV date, and AIDS date. cln_hiv_status values: <ul style="list-style-type: none"> <li>• HIV-positive (not AIDS)</li> <li>• HIV-positive (AIDS status unknown)</li> <li>• CDC defined AIDS</li> <li>• HIV-negative (affected)</li> <li>• HIV-indeterminate</li> </ul>	CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported if their HIV status is CSC defined AIDS, HIV positive (AIDS status unknown), or HIV-positive (not AIDS)
Vital Status by Key Date	Map_cl_vtl_st_rfk (TableName: cw_map_client_provider)	Cln_vital_status	Holds vital status Cln_vital_status values: <ul style="list-style-type: none"> <li>• Alive</li> <li>• Deceased</li> <li>• Unknown</li> </ul>	Client is not deceased
Enrl. Status By Date	map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_closed (TableName: cw_map_client_provider)	cln_enrollment_status, cln_enrollment_date, cln_date_case_closed (TableName: exp_client)	cln_enrollment_status values: <ul style="list-style-type: none"> <li>• Active</li> <li>• Inactive/Case Closed</li> <li>• Referred or Discharged</li> <li>• Removed</li> <li>• Incarcerated</li> <li>• Relocated</li> </ul>	CAREWare uses the Enrollment date and Case Closed date to determine the Enrollment status. Client's enrollment status should be active, inactive/CaseClosed, or unknown

HRSA visits by Category In Span	srv_date (TableName: cw_service), sbs_srv_ct_rfk (TableName: cw_subservice)	srv_date, srv_category (TableName: exp_service)		Clients with at least one service for the "Outpatient Ambulatory Medical Care" category within a date span are counted
<b>Numerator</b>				
Last Qualitative Lab Value	tst_qlt_ts_fk, tst_tst_df_fk, tst_date	tst_date, tst_test_definition_code, tst_result (TableName: exp_test)		Clients who receive a viral load count lab with a value <= 199