



Jeff Murray's Programming Shop, Inc.

Performance Measure-PDI Field Map

March 22, 2013

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.

| Calculated Object | CAREWare Fields | PDI Template Fields | User Data | What CAREWare does with the data |
|--|---|---|---|--|
| Performance Measure HAB01 - Primary care visits > = 3 months apart | | | | |
| Denominator | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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. Status By Date | map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_cl osed (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"> • Active • Inactive/Case Closed • Unknown • 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 within the span |
| Age | map_cl_dob | cln_dob (TableName: exp_client) | | Age > 13 |
| Numerator | | | | |

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| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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. Status By Date | map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_cl osed (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"> • Active • Inactive/Case Closed • Unknown • 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 within the span |

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| 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 2 CD4 counts at least 3 months apart. |
| Performance Measure HAB03 - CD4 < 200 with PCP prophylaxis | | | | |
| Denominator | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 |

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| 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"> • Active • Inactive/Case Closed • Unknown • 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 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 |
| 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 |
| 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"> • Pneumocystis carinii pneumonia (PCP) • M. avium complex (Mac) • M. tuberculosis (Mtb) • Candida • Cytomegalovirus (CMV) • Toxoplasma gondii • Varicella zoster virus (VZV) • Other | No. of clients who were prescribed PCP prophylaxis within span |
| Performance Measure HAB04 - AIDS Clients on HAART | | | | |
| Denominator | | | | |

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| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • HIV-indeterminate | 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_cl osed (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"> • Active • Inactive/Case Closed • Unknown • 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 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 | | | | |

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|--|--|--|---|--|
| Max ARV Count In Span | cln_rgm_ingredient_count, cln_rgm_start_date, cln_rgm_stop_date (TableName: cw_client_art_regimens) | entry in exp_medication (TableName: exp_medication) | | Clients on HAART. |
| Performance Measure HAB05 - Percentage of pregnant women prescribed | | | | |
| Denominator | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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. 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"> • Active • Inactive/Case Closed • Unknown • 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 within the span |

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|---|---|---|---|---|
| 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 <ul style="list-style-type: none"> • 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 |
| Numerator | | | | |
| 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: <ul style="list-style-type: none"> • 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) | entry in exp_medication | | Clients on HAART. |
| Performance Measure HAB06 - Adherence Assessment | | | | |

| Denominator | | | | |
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| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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. Status By Date | map_cl_std_enr_st_rfk, map_cl_std_enrollment_d ate, map_cl_std_date_case_cl osed (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"> • Active • Inactive/Case Closed • Unknown • 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 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_arv_count, mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication) | possible values of mdc_indication <ul style="list-style-type: none"> • ART • OI Prophylaxis • OI Treatment • Other | mdc_indication should be ART |

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|--|---|--|---|--|
| | | | | |
| 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 "Treatment Adherence Counseling" | Clients with two or more adherence assessments visits at least 3 months apart in the year |
| Performance Measure HAB07 - Cervical Cancer Screening | | | | |
| Denominator | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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) | | |
| Gender | map_cl_gender | cln_gender (TableName: exp_client) | | Female clients are selected |

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|--|--|--|---|--|
| 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 "Histort 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) | | Clients with a "Pap Smear" with these results : <ul style="list-style-type: none"> • AGCUS (Pap Test) • ASCUS (Pap Test) • HSIL/CIN-2 (Pap Test) • HSIL/CIN-3 (Pap Test) • HSIL/CIS (Pap Test) • Invasive (Pap Test) • LSIL/CIN-1 (Pap Test) • Normal (Pap Test) • Other, abnormal (Pap Test) |
| Performance Measure HAB08 - Hepatitis B Vaccination | | | | |
| Denominator | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • HIV-indeterminate | CAREWare uses the HIV date and AIDS date to determine the HIV status. Clients only reported as HIV Positive will be included |

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|--|--|--|--|---|
| 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) | | |
| 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"> • Active • Inactive/Case Closed • Unknown • 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 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 Postive (Screening Lab) result for the following tests: <ul style="list-style-type: none"> • Hepatitis B surface-antigen (HBsAg) • Hepatitis B surface-antibody (HBsAb) • HBeAb • HBV(DNA) |
| 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 either of these two immunizations in span: Hep A/Hep B (Twinrix) (3), Hepatitis B (3) |
| Performance Measure HAB09 - Hepatitis C Screening | | | | |

| Denominator | | | | |
|---|--|---|---|--|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 | | | | |
| 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 | | | | |

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|--|--|---|---|---|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 | | | | |

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|--|--|---|---|--|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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_arv_count, mdc_indication, mdc_start_date, mdc_end_date (TableName: exp_medication) | possible values of mdc_indication <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Total Cholesterol • HDL • LDL • Triglycerides |
| Performance Measure HAB12 - Oral Exam | | | | |

| Denominator | | | | |
|--|--|---|---|--|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 Cat 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 <ul style="list-style-type: none"> • 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 | | | | |

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|---|--|--|---|--|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 "Histort 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 | | | | |

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|---------------------------------|--|---|---|--|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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) | | |
| 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' |
| Numerator | | | | |

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|--|--|--|---|--|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 | | | | |

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|--|--|--|---|--|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 | | | | |

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|--|--|--|---|---|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 | | | | |

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|--|--|--|---|--|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 |
| 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 | | | | |

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|---------------------------------|--|--|---|--|
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 |
| 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 | | | | |

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|--|--|---|--|--|
| 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"> • Pneumocystis carinii pneumonia (PCP) • M. avium complex (Mac) • M. tuberculosis (Mtb) • Candida • Cytomegalovirus (CMV) • Toxoplasma gondii • Varicella zoster virus (VZV) • Other | No. of clients who prescribed MAC prophylaxis within span |
| Performance Measure HAB21 - Mental Health Screening | | | | |
| Denominator | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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_d ate | cln_enrollment_date (TableName: exp_client) | | Enrollment date should be within the last year |

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|---|--|--|---|--|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 |

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|--|--|--|---|--|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 |

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|---|--|--|---|--|
| 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 | | | | |
| 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"> • HIV-positive (not AIDS) • HIV-positive (AIDS status unknown) • CDC defined AIDS • HIV-negative (affected) • Unknown • 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 |

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|---------------------------|---|--|--|---|
| 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 |

