

Reference Guide for UDS Data Reports Available to Health Centers CY 2016

Introduction:

This Reference Guide is a companion document to the CY 2016 BPHC UDS data reports that are available to health centers through the EHB. The reports available provide analysis of the UDS data at the individual health center level, as well as at the State and National levels. All reports described in this document are available to Health Center Program health centers. A limited number of reports, including the Rollup Report, the Summary Report (at the Health Center and National levels), and the Health Center Performance Comparison Report are available to Look-Alikes and Bureau of Health Workforce health centers.

Because the reports contain an extensive amount of information, presented in a variety of formats, the Reference Guide is meant to provide the user with information about the structure and content of each report and information about how the statistics are calculated, and how the information might be used.

Below is a summary of each of the reports available followed by a brief explanation of the calculation formulae. Additionally, the formula guides for each of the reports (with the exception of the UDS Rollup Report) have been included. The UDS data reports are intended to provide each health center with an analysis of their-own organization's UDS data, as well as comparable statistics in some cases for the state and nation, against which the health center's statistics can be examined. By providing statistics specific to comparable groups of federally funded providers in traditionally underserved communities, it is hoped that this report can serve as a more relevant basis for examining and monitoring performance. The report is non-judgmental in that no goals, thresholds, or expectations are set forth, and high or low numbers for any given parameter are not equated with good or bad performance.

It is the hope that members of the health center's management and governance structure will take the time to review these reports and find them to be a valuable resource. In addition to monitoring performance internally, the report provides a range of statistics that can be useful for initiatives such as organization planning, grant development, and community relations.

Available Reports:

UDS Health Center Trend Report – This report compares the health center's performance for key performance measures with national and state averages over a 3 year period. The measures describe health center performance in three categories: Access, Quality of Care Indicators/Health Outcomes, and Financial Cost/Viability and provide an overall picture of the health center's performance in each of these areas. A preliminary version of this report is available prior to end of reporting cycle each year. PCAs can access this report for National, any State or all Health Centers within their states after the end of the reporting cycle. Health Centers can access this report for National, their State, and their own health center report after the end of the reporting cycle.

UDS Health Center, State and National Summary Report – This report is a dashboard report intended to describe each health center in a statistical manner. Calculations of key measures are derived from their own organization's current reporting on the UDS. The measures are broken out into two main categories: 1) Demographic and Clinical Data (Patients, Visits, Staffing and Clinical Information) and 2) Fiscal Information (Costs and Revenues) and provide an overall picture of the health center's performance in each of these areas. PCAs can access this report for National, any State or all Health Centers within their states after the end of the reporting cycle. Health Centers can access their preliminary UDS Summary Report as soon as they begin data entry for UDS during the reporting cycle.

UDS Health Center Performance Comparison Report – This report provides calculations of Quality of Care Indicators/Health Outcomes and Costs measures at different levels like Health Center, State, National, Urban/ Rural, Size, Sites, Special Populations, National Percentiles (25th, 50th and 75th), and Health Center Percentile. PCAs can access this report for all Health Centers within their states after the end of the reporting cycle. Health Centers can access their UDS Health Center Performance Comparison report after



the end of the reporting cycle.

UDS Rollup Report – This report compiles annual data reported by Health Center Program (HCP) health centers. Summary Health Center Program data are provided for patient demographics, socioeconomic characteristics, staffing, patient diagnoses and services rendered, quality of care, health outcomes and disparities, financial costs, and revenues. A preliminary version of this report is available prior to end of reporting cycle each year. PCAs and health centers can access this report for National or any State after the end of the reporting cycle. (No formula guide provided.)

Calculation Formulae:

The remaining pages of this guide list the formula used to calculate the statistics for each line of the report. The formulae references specific cells of the UDS report by table, line and column. In some instances, the reference has been abbreviated with T=Table, L=Line, and C=Column. For example, a formula containing T3B_L8_CA is referring to Table 3B, Line 8, Column A. The standard mathematical notations are used as follows:

- * Multiply
- / Divide
- + Add
- Subtract
- () Perform calculation in parenthesis first

'Grantee' Used to denote Health Center program grantees authorized by section 330 of the Public Health Services Act and Health Center Program look-alikes



Health Center Trend Report

Measures	2014	2015	2016
Access			
Total Number of Patients Served	T4_L6_CA	T4_L6_CA	T4_L6_CA
Medical Patients Served	T5_L15_CC	T5_L15_CC	T5_L15_CC
Dental Patients Served	T5_L19_CC	T5_L19_CC	T5_L19_CC
Total Visits	T5_L34_CB	T5_L34_CB	T5_L34_CB
Agricultural Worker Patients Served	T4_L16_CA	T4_L16_CA	T4_L16_CA
Homeless Patients Served	T4_L23_CA	T4_L23_CA	T4_L23_CA
Public Housing Patients Served	T4_L26_CA	T4_L26_CA	T4_L26_CA
Quality of Care Indicators/ Health Outcomes			
Early Entry into Prenatal care			
Access to Prenatal Care (first prenatal visit in 1st trimester)	$(T6B_L7_CA+T6B_L7_CB)/T6B_L6_CA$	$(T6B_L7_CA+T6B_L7_CB)/T6B_L6_CA$	$(T6B_L7_CA+T6B_L7_CB)/T6B_L6_CA$
Low Birth Weight	$(T7_Li_C1b + T7_Li_C1c) / (T7_Li_C1b+T7_Li_C1c+T7_Li_C1d)$	$(T7_Li_C1b + T7_Li_C1c) / (T7_Li_C1b+T7_Li_C1c+T7_Li_C1d)$	$(T7_Li_C1b + T7_Li_C1c) / (T7_Li_C1b+T7_Li_C1c+T7_Li_C1d)$
Preventive Health Screenings and Services			
Weight Assessment and Counseling for Nutrition and physical Activity for Children and Adolescents	National, State: [Sum at each Grantee level {T6B_L12_CA * (T6B_L12_CC / T6B_L12_CB)}] / [Sum at National or State level or Grantee level (T6B_L12_CA)] Grantee: T6B_L12_CC / T6B_L12_CB	National, State: [Sum at each Grantee level {T6B_L12_CA * (T6B_L12_CC / T6B_L12_CB)}] / [Sum at National or State level or Grantee level (T6B_L12_CA)] Grantee: T6B_L12_CC / T6B_L12_CB	National, State: [Sum at each Grantee level {T6B_L12_CA * (T6B_L12_CC / T6B_L12_CB)}] / [Sum at National or State level or Grantee level (T6B_L12_CA)] Grantee: T6B_L12_CC / T6B_L12_CB
Body Mass Index (BMI) Screening and Follow-Up	National, State: [Sum at each Grantee level {T6B_L13_CA * (T6B_L13_CC / T6B_L13_CB)}] / [Sum at National or State level (T6B_L13_CA)] Grantee: T6B_L13_CC / T6B_L13_CB	National, State: [Sum at each Grantee level {T6B_L13_CA * (T6B_L13_CC / T6B_L13_CB)}] / [Sum at National or State level (T6B_L13_CA)] Grantee: T6B_L13_CC / T6B_L13_CB	National, State: [Sum at each Grantee level {T6B_L13_CA * (T6B_L13_CC / T6B_L13_CB)}] / [Sum at National or State level (T6B_L13_CA)] Grantee: T6B_L13_CC / T6B_L13_CB
Tobacco use screening and cessation intervention	National, State: [Sum at each Grantee level {T6B_L14a_CA * (T6B_L14a_CC / T6B_L14a_CB)}] / [Sum at National or State level (T6B_L14a_CA)] Grantee: T6B_L14a_CC / T6B_L14a_CB	National, State: [Sum at each Grantee level {T6B_L14a_CA * (T6B_L14a_CC / T6B_L14a_CB)}] / [Sum at National or State level (T6B_L14a_CA)] Grantee: T6B_L14a_CC / T6B_L14a_CB	National, State: [Sum at each Grantee level {T6B_L14a_CA * (T6B_L14a_CC / T6B_L14a_CB)}] / [Sum at National or State level (T6B_L14a_CA)] Grantee: T6B_L14a_CC / T6B_L14a_CB

Measures	2014	2015	2016
Quality of Care Indicators/ Health Outcomes			
Preventive Health Screenings and Services			
Colorectal Cancer Screening	National, State: [Sum at each Grantee level {T6B_L19_CA * (T6B_L19_CC / T6B_L19_CB)}] / [Sum at National or State level (T6B_L19_CA)] Grantee: T6B_L19_CC / T6B_L19_CB	National, State: [Sum at each Grantee level {T6B_L19_CA * (T6B_L19_CC / T6B_L19_CB)}] / [Sum at National or State level (T6B_L19_CA)] Grantee: T6B_L19_CC / T6B_L19_CB	National, State: [Sum at each Grantee level {T6B_L19_CA * (T6B_L19_CC / T6B_L19_CB)}] / [Sum at National or State level (T6B_L19_CA)] Grantee: T6B_L19_CC / T6B_L19_CB
Screening for Clinical Depression and Follow-Up Plan	National, State: [Sum at each Grantee level {T6B_L21_CA * (T6B_L21_CC / T6B_L21_CB)}] / [Sum at National or State level (T6B_L21_CA)] Grantee: T6B_L21_CC / T6B_L21_CB	National, State: [Sum at each Grantee level {T6B_L21_CA * (T6B_L21_CC / T6B_L21_CB)}] / [Sum at National or State level (T6B_L21_CA)] Grantee: T6B_L21_CC / T6B_L21_CB	National, State: [Sum at each Grantee level {T6B_L21_CA * (T6B_L21_CC / T6B_L21_CB)}] / [Sum at National or State level (T6B_L21_CA)] Grantee: T6B_L21_CC / T6B_L21_CB
Cervical Cancer Screening	National, State: [Sum at each Grantee level {T6B_L11_CA * (T6B_L11_CC / T6B_L11_CB)}] / [Sum at National or State level (T6B_L11_CA)] Grantee: T6B_L11_CC / T6B_L11_CB	National, State: [Sum at each Grantee level {T6B_L11_CA * (T6B_L11_CC / T6B_L11_CB)}] / [Sum at National or State level (T6B_L11_CA)] Grantee: T6B_L11_CC / T6B_L11_CB	National, State: [Sum at each Grantee level {T6B_L11_CA * (T6B_L11_CC / T6B_L11_CB)}] / [Sum at National or State level (T6B_L11_CA)] Grantee: T6B_L11_CC / T6B_L11_CB
Childhood Immunization Status	National, State: [Sum at each Grantee level {T6B_L10_CA * (T6B_L10_CC / T6B_L10_CB)}] / [Sum at National or State level (T6B_L10_CA)] Grantee: T6B_L10_CC / T6B_L10_CB	National, State: [Sum at each Grantee level {T6B_L10_CA * (T6B_L10_CC / T6B_L10_CB)}] / [Sum at National or State level (T6B_L10_CA)] Grantee: T6B_L10_CC / T6B_L10_CB	National, State: [Sum at each Grantee level {T6B_L10_CA * (T6B_L10_CC / T6B_L10_CB)}] / [Sum at National or State level (T6B_L10_CA)] Grantee: T6B_L10_CC / T6B_L10_CB
Dental Sealants for Children between 6-9 Years	Data not collected until 2015	National, State: [Sum at each Grantee level {T6B_L22_CA * (T6B_L22_CC / T6B_L22_CB)}] / [Sum at National or State level (T6B_L22_CA)] Grantee: T6B_L22_CC / T6B_L22_CB	National, State: [Sum at each Grantee level {T6B_L22_CA * (T6B_L22_CC / T6B_L22_CB)}] / [Sum at National or State level (T6B_L22_CA)] Grantee: T6B_L22_CC / T6B_L22_CB
Chronic Disease Management			
Use of Appropriate Medications for Asthma	National, State: [Sum at each Grantee level {T6B_L16_CA * (T6B_L16_CC / T6B_L16_CB)}] / [Sum at National or State level (T6B_L16_CA)] Grantee: T6B_L16_CC / T6B_L16_CB	National, State: [Sum at each Grantee level {T6B_L16_CA * (T6B_L16_CC / T6B_L16_CB)}] / [Sum at National or State level (T6B_L16_CA)] Grantee: T6B_L16_CC / T6B_L16_CB	National, State: [Sum at each Grantee level {T6B_L16_CA * (T6B_L16_CC / T6B_L16_CB)}] / [Sum at National or State level (T6B_L16_CA)] Grantee: T6B_L16_CC / T6B_L16_CB
Coronary Artery Disease (CAD): Lipid Therapy	National, State: [Sum at each Grantee level {T6B_L17_CA * (T6B_L17_CC / T6B_L17_CB)}] / [Sum at National or State level (T6B_L17_CA)] Grantee: T6B_L17_CC / T6B_L17_CB	National, State: [Sum at each Grantee level {T6B_L17_CA * (T6B_L17_CC / T6B_L17_CB)}] / [Sum at National or State level (T6B_L17_CA)] Grantee: T6B_L17_CC / T6B_L17_CB	National, State: [Sum at each Grantee level {T6B_L17_CA * (T6B_L17_CC / T6B_L17_CB)}] / [Sum at National or State level (T6B_L17_CA)] Grantee: T6B_L17_CC / T6B_L17_CB

Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic	National, State: [Sum at each Grantee level {T6B_L18_CA * (T6B_L18_CC / T6B_L18_CB)}] / [Sum at National or State level (T6B_L18_CA)] Grantee: T6B_L18_CC / T6B_L18_CB	National, State: [Sum at each Grantee level {T6B_L18_CA * (T6B_L18_CC / T6B_L18_CB)}] / [Sum at National or State level (T6B_L18_CA)] Grantee: T6B_L18_CC / T6B_L18_CB	National, State: [Sum at each Grantee level {T6B_L18_CA * (T6B_L18_CC / T6B_L18_CB)}] / [Sum at National or State level (T6B_L18_CA)] Grantee: T6B_L18_CC / T6B_L18_CB
HIV Linkage to Care	National, State: [Sum at each Grantee level {T6B_L20_CA * (T6B_L20_CC / T6B_L20_CB)}] / [Sum at National or State level (T6B_L20_CA)] Grantee: T6B_L20_CC / T6B_L20_CB	National, State: [Sum at each Grantee level {T6B_L20_CA * (T6B_L20_CC / T6B_L20_CB)}] / [Sum at National or State level (T6B_L20_CA)] Grantee: T6B_L20_CC / T6B_L20_CB	National, State: [Sum at each Grantee level {T6B_L20_CA * (T6B_L20_CC / T6B_L20_CB)}] / [Sum at National or State level (T6B_L20_CA)] Grantee: T6B_L20_CC / T6B_L20_CB
Controlling High Blood Pressure (Hypertensive Patients with Blood Pressure < 140/90)	National, State: [Sum at each Grantee level {T7_Li_C2a * (T7_Li_C2c / T7_Li_C2b)}] / [Sum at National or State level (T7_Li_C2a)] Grantee: T7_Li_C2c / T7_Li_C2b	National, State: [Sum at each Grantee level {T7_Li_C2a * (T7_Li_C2c / T7_Li_C2b)}] / [Sum at National or State level (T7_Li_C2a)] Grantee: T7_Li_C2c / T7_Li_C2b	National, State: [Sum at each Grantee level {T7_Li_C2a * (T7_Li_C2c / T7_Li_C2b)}] / [Sum at National or State level (T7_Li_C2a)] Grantee: T7_Li_C2c / T7_Li_C2b
Diabetes: Hemoglobin A1c Poor Control (Diabetic Patients with HbA1c > 9%) or No Test During Year	National, State: [Sum at each Grantee level {T7_Li_C3a * ((T7_Li_C3f) / T7_Li_C3b)}] / [Sum at National or State level (T7_Li_C3a)] Grantee: (T7_Li_C3f) / T7_Li_C3b	National, State: [Sum at each Grantee level {T7_Li_C3a * ((T7_Li_C3f) / T7_Li_C3b)}] / [Sum at National or State level (T7_Li_C3a)] Grantee: (T7_Li_C3f) / T7_Li_C3b	National, State: [Sum at each Grantee level {T7_Li_C3a * ((T7_Li_C3f) / T7_Li_C3b)}] / [Sum at National or State level (T7_Li_C3a)] Grantee: (T7_Li_C3f) / T7_Li_C3b
Measures	2014	2015	2016
Financial Cost/Viability			
Total Cost per Total Patient	T8A_L17_CC/(T3A_L39_CA+T3A_L39_CB)	T8A_L17_CC/(T3A_L39_CA+T3A_L39_CB)	T8A_L17_CC/(T3A_L39_CA+T3A_L39_CB)
Medical Cost per Medical Visit	(T8A_L4_CC-T8A_L2_CC)/(T5_L15_CB-T5_L11_CB)	(T8A_L4_CC-T8A_L2_CC)/(T5_L15_CB-T5_L11_CB)	(T8A_L4_CC-T8A_L2_CC)/(T5_L15_CB-T5_L11_CB)
330 Grant Funds per Patient	T9E_L1g_Ca/(T3A_L39_CA+T3A_L39_CB)	T9E_L1g_Ca/(T3A_L39_CA+T3A_L39_CB)	T9E_L1g_Ca/(T3A_L39_CA+T3A_L39_CB)

UDS Summary Report

Measures	Formula
PATIENTS	
Total Patients	T3A_L39_CA + T3A_L39_CB
Number/Percent of Patients by Services	
Medical	#, % : T5_L15_CC , T5_L15_CC / (T3A_L39_CA + T3A_L39_CB)
Dental	#, % : T5_L19_CC , T5_L19_CC / (T3A_L39_CA + T3A_L39_CB)
Mental Health	#, % : T5_L20_CC , T5_L20_CC / (T3A_L39_CA + T3A_L39_CB)
Substance Abuse	#, % : T5_L21_CC , T5_L21_CC / (T3A_L39_CA + T3A_L39_CB)
Other Professional	#, % : T5_L22_CC , T5_L22_CC / (T3A_L39_CA + T3A_L39_CB)
Vision	#, % : T5_L22d_CC , T5_L22d_CC / (T3A_L39_CA + T3A_L39_CB)
Enabling Services	#, % : T5_L29_CC , T5_L29_CC / (T3A_L39_CA + T3A_L39_CB)
Number/Percent of Patients by Special Populations	
Agricultural Worker	#, % : T4_L16_CA , T4_L16_CA / T4_L6_CA
Homeless	#, % : T4_L23_CA , T4_L23_CA / T4_L6_CA
School Based Health	#, % : T4_L24_CA , T4_L24_CA / T4_L6_CA
Public Housing	#, % : T4_L26_CA , T4_L26_CA / T4_L6_CA
Veteran	#, % : T4_L25_CA , T4_L25_CA / T4_L6_CA
Number/Percent of Patients by Age	
Children (<18 years)	#, % : T3A_L1 to L18 CA+CB , (T3A_L1 to L18 CA+CB) / (T3A_L39_CA + T3A_L39_CB)
Adult (18 – 64 years)	#, % : T3A_L19 to L33 CA+CB , (T3A_L19 to L33 CA+CB) / (T3A_L39_CA + T3A_L39_CB)
Older Adult (age 65 and over)	#, % : T3A_L34 to L38 CA+CB , (T3A_L34 to L38 CA+CB) / (T3A_L39_CA + T3A_L39_CB)
Number/Percent of Patients by Insurance Status	
Uninsured	#, % : T4_L7_CA + T4_L7_CB , (T4_L7_CA + T4_L7_CB) / (T4_L12_CA + T4_L12_CB)
Uninsured Children (< 18 years)	#, % : T4_L7_CA , T4_L7_CA / T4_L12_CA
Medicaid/CHIP	#, % : (T4_L8_CA + T4_L8_CB + T4_L10B_CA + T4_L10B_CB) , (T4_L8_CA + T4_L8_CB + T4_L10B_CA + T4_L10B_CB) / (T4_L12_CA + T4_L12_CB)
Medicare	#, % : T4_L9_CA + CB , T4_L9_CA + CB / (T4_L12_CA + T4_L12_CB)
Dual eligibility (Medicare and Medicaid)	#, % : T4_L9a_CA + CB , T4_L9a_CA + CB / (T4_L12_CA + T4_L12_CB)
Other Third-Party	#, % : (T4_L10A_CA + T4_L10A_CB + T4_L11_CB + T4_L11_CA) , (T4_L10A_CA + T4_L10A_CB + T4_L11_CB + T4_L11_CA) / (T4_L12_CA + T4_L12_CB)
Number/Percent of Patients by Income Status (% Known)	
Patients at or below 200% of Federal Poverty Level	#, % : (T4_L1 + L2 + L3, CA) , (T4_L1 + L2 + L3, CA) / (T4_L6_CA - T4_L5_CA)
Patients at or below 100% of Federal Poverty Level (included in above)	#, % : (T4_L1_CA) , (T4_L1_CA) / (T4_L6_CA - T4_L5_CA)
Patients by Race & Ethnicity (% Known)	
% Racial and/or Ethnic Minority	% : (T3B_L8_CA + T3B_L8_CB - T3B_L7_CB - T3B_L5_CB) / (T3B_L8_CD - T3B_L7_CB - T3B_L7_CC)
% Hispanic/Latino	% : T3B_L8_CA / (T3B_L8_CD - T3B_L8_CC)
% African American	% : T3B_L3_CD / (T3B_L8_CD - T3B_L7_CD)
% Asian	% : T3B_L1_CD / (T3B_L8_CD - T3B_L7_CD)
% American Indian / Alaska Native	% : T3B_L4_CD / (T3B_L8_CD - T3B_L7_CD)
% Native Hawaiian / Other Pacific Islander	% : (T3B_L2A_CD + T3B_L2B_CD) / (T3B_L8_CD - T3B_L7_CD)
% Non-Hispanic White	% : T3B_L5_CB / (T3B_L8_CD - T3B_L7_CD)
% More than one race	% : T3B_L6_CD / (T3B_L8_CD - T3B_L7_CD)
% Best Served in another language	% : T3B_L12_CA / T3B_L8_CD

Number/Percent of Patients by Sexual Orientation	
Lesbian or Gay (of known)	#,% : T3B_L13_CA, T3B_L13_CA/(T3B_L19_CA - T3B_L17_CA - T3B_L18_CA)
Straight (not lesbian or gay) (of known)	#,%: T3B_L14_CA, T3B_L14_CA/(T3B_L19_CA - T3B_L17_CA - T3B_L18_CA)
Bisexual (of known)	#,% : T3B_L15_CA, T3B_L15_CA/(T3B_L19_CA - T3B_L17_CA - T3B_L18_CA)
Something else (of known)	#,% : T3B_L16_CA, T3B_L16_CA/(T3B_L19_CA - T3B_L17_CA - T3B_L18_CA)
Don't know (of total)	#,% : T3B_L17_CA, T3B_L17_CA/T3B_L19_CA
Chose not to disclose (of total)	#,% : T3B_L18_CA, T3B_L18_CA/T3B_L19_CA
Number/Percent of Patients by Gender Identity	
Male (of known)	#,% : T3B_L20_CA, T3B_L20_CA / (T3B_L26_CA - T3B_L25_CA - T3B_L24_CA)
Female (of known)	#,% : T3B_L21_CA, T3B_L21_CA / (T3B_L26_CA - T3B_L25_CA - T3B_L24_CA)
Transgender Male/ Female-to-Male (of known)	#,% : T3B_L22_CA, T3B_L22_CA / (T3B_L26_CA - T3B_L25_CA- T3B_L24_CA)
Transgender Female/ Male-to-Female (of known)	#,% : T3B_L23_CA, T3B_L23_CA / (T3B_L26_CA - T3B_L25_CA- T3B_L24_CA)
Other (of total)	#,% : T3B_L24_CA, T3B_L24_CA / T3B_L26_CA
Chose not to disclose (of total)	#,% : T3B_L25_CA, T3B_L25_CA/T3B_L26_CA

Measure	Formula
Medical Conditions	
Hypertension	% : T7_Li_C2a/(T5_L15_CC*((T3A_L19-37_CA+T3A_L19-37CB)/(T3AL39CA+T3AL39CB)))
Diabetes	%: T7_Li_C3a/(T5_L15_CC*((T3A_L19-35_CA+T3A_L19-35CB)/(T3AL39CA+T3AL39CB)))
Asthma	% : T6A_L5_CB/T5_L15_CC
HIV	% : T6A_L1-2_CB/T5_L15_CC
Prenatal	
Number of Prenatal Patients	#:T6B_L6_CA
Number of Prenatal Patients who Delivered	#:T7_Li_C1a
Visits	
Number/Percent Visits	
Total Visits	# : T5_L34_CB
Medical	#,% : T5_L15_CB , T5_L15_CB/T5_L34_CB
Dental	#,% : T5_L19_CB , T5_L19_CB/T5_L34_CB
Mental Health	#,% : T5_L20_CB, T5_L20_CB/ T5_L34_CB
Substance Abuse	#,% : T5_L21_CB , T5_L21_CB/ T5_L34_CB
Other Professional	#,% : T5_L22_CB , T5_L22_CB/T5_L34_CB
Vision	#,% : T5_L22d_CB , T5_L22d_CB/T5_L34_CB
Enabling Services	#,% : T5_L29_CB , T5_L29_CB/T5_L34_CB
Medical Visits per Medical Patient (excludes nursing visits)	# : (T5_L15_CB-T5_L11_CB)/T5_L15_CC
Dental Visits per Dental Patient	# : T5_L19_CB/T5_L19_CC
Mental Health Visits per Mental Health Patient	# : T5_L20_CB/T5_L20_CC
Substance Abuse Visits per Substance Abuse Patient	# : T5_L21_CB/T5_L21_CC

Vision Visits per Vision Patient	#: T5_L22d_CB/T5_L22d_CC
Enabling Visits per Enabling Patient	#: T5_L29_CB/T5_L29_CC

Measure	Formula
Staffing	
Total Staff	# : T5_L34_CA
Medical	#: T5_L15_Ca
Primary Care Physicians	# : T5_L1_CA+T5_L2_CA+T5_L3_CA+T5_L4_CA+T5_L5_CA
Family/General Physicians	# : T5_L1_CA+T5_L2_CA
Internists	# : T5_L3_CA
Obstetrician/Gynecologists	# : T5_L4_CA
Pediatricians	# : T5L5CA
Other Specialty Physicians	# : T5_L7_CA
Nurse Practitioners	# : T5_L9a_CA
Physician Assistants	# : T5_L9b_CA
Certified Nurse Midwives	# : T5_L10_CA
Nurses	# : T5_L11_CA
Other Medical Staff	# : T5_L12_CA
Lab and X-Ray	# : T5_L13_CA+T5_L14_CA
Dental	# : T5_L19_CA
Dentists	# : T5_L16_CA
Dental Hygienists	# : T5_L17_CA
Dental Therapists	# : T5_L17a_CA
Other Dental Personnel	# : T5_L18_CA
Mental Health	# : T5_L20_CA
Psychiatrists	# : T5_L20a_CA
Licensed Clinical Psychologists	# : T5_L20a1_CA
Licensed Clinical Social Workers	# : T5_L20a2_CA
Other Licensed Mental Health Providers	# : T5_L20b_CA
Other Mental Health Staff	# : T5_L20c_CA
Substance Abuse	# : T5_L21_CA
Pharmacy	# : T5_L23_CA
Other Professional	# : T5_L22_CA
Vision	# : T5_L22d_CA
Enabling Services	# : T5_L29_CA
Other Programs/ Services Staff	# : T5_L29a_CA
Quality Improvement Staff	# : T5_L29b_CA
Patient Support Staff	# : T5_L32_CA
Management and Other Support Staff	# : T5_L30a_Ca
Facility Staff	# : T5_L31_CA
IT Staff	# : T5_L30c_CA
Fiscal and Billing Staff	# : T5_L30b_Ca

Measure	Formula
Staff Tenure	
Primary Care Physicians	$\# : ((T5A_L1Cb + T5A_L2Cb + T5AL3Cb + T5AL4Cb + T5AL5Cb + T5A_L1Cd + T5A_L2Cd + T5AL3Cd + T5AL4Cd + T5AL5Cd) / (T5A_L1Ca + T5A_L2Ca + T5L3Ca + T5AL4Ca + T5AL5Ca + T5A_L1Cc + T5A_L2Cc + T5L3Cc + T5 AL4Cc + T5AL5Cc)) / 12$
Family/General Physicians	$\# : ((T5A_L1Cb + T5AL2Cb + T5AL1Cd + T5AL2Cd) / ((T5A_L1Ca + T5AL2Ca + T5AL1C c + T5AL2Cc)) / 12$
Internists	$\# : ((T5A_L3Cb + Cd) / (T5A_L3Ca + Cc)) / 12$
Obstetrician/Gynecologists	$\# : ((T5A_L4Cb + Cd) / (T5A_L4Ca + Cc)) / 12$
Pediatricians	$\# : ((T5A_L5Cb + Cd) / (T5A_L5Ca + Cc)) / 12$
Other Specialty Physicians	$\# : ((T5A_L7Cb + Cd) / (T5A_L7Ca + Cc)) / 12$
Nurse Practitioners	$\# : ((T5A_L9aCb + Cd) / (T5A_L9aCa + Cc)) / 12$
Physician Assistants	$\# : ((T5A_L9bCb + Cd) / (T5A_L9bCa + Cc)) / 12$
Certified Nurse Midwives	$\# : ((T5A_L10Cb + Cd) / (T5A_L10Ca + Cc)) / 12$
Nurses	$\# : ((T5A_L11Cb + Cd) / (T5A_L11Ca + Cc)) / 12$
Dentists	$\# : ((T5A_L16Cb + Cd) / (T5A_L16Ca + Cc)) / 12$
Dental Hygienists	$\# : ((T5A_L17Cb + Cd) / (T5A_L17Ca + Cc)) / 12$
Dental Therapists	$\# : ((T5A_L17aCb + Cd) / (T5A_L17aCa + Cc)) / 12$
Psychiatrists	$\# : ((T5A_L20aCb + Cd) / (T5A_L20aCa + Cc)) / 12$
Licensed Clinical Psychologists	$\# : ((T5A_L20a1Cb + Cd) / (T5A_L20a1Ca + Cc)) / 12$
Licensed Clinical Social Workers	$\# : ((T5A_L20a2Cb + Cd) / (T5A_L20a2Ca + Cc)) / 12$
Other Licensed Mental Health Providers	$\# : ((T5A_L20bCb + Cd) / (T5A_L20bCa + Cc)) / 12$
Ophthalmologist	$\# : ((T5A_L22aCb + Cd) / (T5A_L22aCa + Cc)) / 12$
Optometrist	$\# : ((T5A_L22bCb + Cd) / (T5A_L22bCa + Cc)) / 12$
Chief Executive Officer	$\# : ((T5A_L30a1Cb + Cd) / (T5A_L30a1Ca + Cc)) / 12$
Chief Medical Officer	$\# : ((T5A_L30a2Cb + Cd) / (T5A_L30a2Ca + Cc)) / 12$
Chief Financial Officer	$\# : ((T5A_L30a3Cb + Cd) / (T5A_L30a3Ca + Cc)) / 12$
Chief Information Officer	$\# : ((T5A_L30a4Cb + Cd) / (T5A_L30a4Ca + Cc)) / 12$

Measure	Formula
Quality of Care Indicators/ Health Outcomes	
Early Entry into Prenatal Care	
Access to Prenatal Care (first prenatal visit in 1st	$\% : (T6B_L7_CA + T6B_L7_CB) / T6B_L6_CA$
Low Birth Weight	$\% : (T7_Li_C1b + T7_Li_C1c) / (T7_Li_C1b + T7_Li_C1c + T7_Li_C1d)$
Preventive Health Screenings and Services	
Weight Assessment and Counseling for Nutrition and Physical Activity Children and Adolescents	$\% : [\text{Sum of ALL Grantees } \{T6B_L12_CA * (T6B_L12_CC / T6B_L12_CB)\}] / [\text{Sum of ALL Grantees } (T6B_L12_CA)]$
Body Mass Index (BMI) Screening and Follow-Up	$\% : [\text{Sum of ALL Grantees } \{T6B_L13_CA * (T6B_L13_CC / T6B_L13_CB)\}] / [\text{Sum of ALL Grantees } (T6B_L13_CA)]$
Tobacco Use Screening and Cessation Intervention	$\% : [\text{Sum of ALL Grantees } \{T6B_L14a_CA * (T6B_L14a_CC / T6B_L14a_CB)\}]$
Colorectal Cancer Screening	$\% : [\text{Sum of ALL Grantees } \{T6B_L19_CA * (T6B_L19_CC / T6B_L19_CB)\}] / [\text{Sum of ALL Grantees } (T6B_L19_CA)]$
Screening for Clinical Depression and Follow-Up Plan	$\% : [\text{Sum of ALL Grantees } \{T6B_L21_CA * (T6B_L21_CC / T6B_L21_CB)\}] / [\text{Sum of ALL Grantees } (T6B_L21_CA)]$
Cervical Cancer Screening	$\% : [\text{Sum of ALL Grantees } \{T6B_L11_CA * (T6B_L11_CC / T6B_L11_CB)\}] / [\text{Sum of ALL Grantees } (T6B_L11_CA)]$
Childhood Immunization Status	$\% : [\text{Sum of ALL Grantees } \{T6B_L10_CA * (T6B_L10_CC / T6B_L10_CB)\}] / [\text{Sum of ALL Grantees } (T6B_L10_CA)]$

Dental Sealants for Children between 6-9 Years	% : [Sum of ALL Grantees {T6B_L22_CA * (T6B_L22_CC / T6B_L22_CB) }] / [Sum of ALL Grantees (T6B_L22_CA)]
Chronic Disease Management	
Use of Appropriate Medications for Asthma	% : [Sum of ALL Grantees {T6B_L16_CA * (T6B_L16_CC / T6B_L16_CB) }] / [Sum of ALL Grantees (T6B_L16_CA)]
Coronary Artery Disease (CAD): Lipid Therapy	% : [Sum of ALL Grantees {T6B_L17_CA * (T6B_L17_CC / T6B_L17_CB) }] / [Sum of ALL Grantees (T6B_L17_CA)]
Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic	% : [Sum of ALL Grantees {T6B_L18_CA * (T6B_L18_CC / T6B_L18_CB) }] / [Sum of ALL Grantees (T6B_L18_CA)]
HIV Linkage to Care	% : [Sum of ALL Grantees {T6B_L20_CA * (T6B_L20_CC / T6B_L20_CB) }] / [Sum of ALL Grantees (T6B_L20_CA)]
Controlling High Blood Pressure (hypertensive patients with blood pressure < 140/90)	% : [Sum of ALL Grantees {T7_Li_C2a * (T7_Li_C2c)/T7_Li_C2b) }] / [Sum of ALL Grantees (T7_Li_C2a)]
Diabetes: Hemoglobin A1c Poor Control (diabetic patients with HbA1c > 9%) or No Test During Year	% : [Sum at each grantee level T7_Li_C3a * (T7_Li_C3f / T7_Li_C3b)] / [Sum at National or State level (T7_Li_C3a)]

Measure	Formula
Costs	
Total Cost (excluding donations)	\$: T8A_L17_CC
Medical	\$: T8A_L1_CC+T8A_L3_CC
Dental	\$: T8A_L5_CC
Mental Health	\$: T8A_L6_CC
Substance Abuse	\$: T8A_L7_CC
Pharmacy	\$: T8A_L8a_CC+T8A_L8b_CC
Lab and X-Ray	\$: T8A_L2_CC
Vision	\$: T8A_L9a_CC
Enabling Services	\$: T8A_L11_CC
Other Related Services	\$: T8A_L12_CC
Quality Improvement	\$: T8A_L12a_CC
Non-Clinical Support Services	\$: T8A_L15_CA
Facility	\$: T8A_L14_CA
Cost per Patient	
Total Cost per Total Patient	\$: T8A_L17_CC/(T3A_L39_CA+T3A_L39_CB)
Medical Cost per Medical Patient	\$: (T8A_L1_CC+T8A_L3_CC)/T5_L15_CC
Dental Cost per Dental Patient	\$: T8A_L5_CC/T5_L19_CC
Mental Health Cost per Mental Health Patient	\$: T8A_L6_CC/T5_L20_CC
Substance Abuse Cost per Substance Abuse Patient	\$: T8A_L7_CC/T5_L21_CC
Vision Cost per Vision Patient	\$: T8A_L9a_CC/T5_L22d_CC
Enabling Cost per Enabling Patient	\$: T8A_L11_CC / T5_L29_CC
Cost per Visit	
Total Cost per Total Visit	\$: T8A_L17_CC/(T5_L34_CB)
Medical Cost per Medical Visit	\$: (T8A_L1_CC+T8A_L3_CC)/ (T5_L15_CB-T5_L11_CB)
Dental Cost per Dental Visit	\$: T8A_L5_CC/T5_L19_CB
Mental Health Cost per Mental Health Visit	\$: T8A_L6_CC/T5_L20_CB
Substance Abuse Cost per Substance Abuse Visit	\$: T8A_L7_CC/T5_L21_CB
Vision Cost per Vision Visit	\$: T8A_L9a_CC/T5_L22d_CB
Enabling Cost per Enabling Visit	\$: T8A_L11_CC / T5_L29_CB

Measure	Formula
Revenue and Adjustments	
Total Revenue	\$(T9D_L14_CB + T9E_L11_CA)
Grant Revenue	\$(T9E_L1_CA + T9E_L5_CA + T9E_L6_CA + T9E_L7_CA + T9E_L8_CA)
Federal	\$(T9E_L1_Ca + T9E_L5_Ca)
Health Center Service Grants	\$(T9E_L1g_Ca)
Capital Improvement Program Grants	\$(T9E_L1j_Ca + T9E_L1k_Ca)
Other Federal Grants	\$(T9E_L2_Ca + T9E_L3_Ca)
Medicare and Medicaid EHR Incentive Payments for Eligible Providers	\$(T9E_L3a_Ca)
Non-Federal Grants	\$(T9E_L6_CA + T9E_L7_CA + T9E_L8_CA)
State and Local Grants/Contracts	\$(T9E_L6_CA + T9E_L7_CA)
Foundation/Private Grants/Contracts	\$(T9E_L8_CA)
Revenue from Service to Patients	\$(T9D_L14_CB)
Self-Pay Patients	\$(T9D_L13_CB)
Third-Party Payers	\$(T9D_L3_CB + T9D_L6_CB + T9D_L9_CB + T9D_L12_CB)
Medicaid	\$(T9D_L3_CB)
Medicare	\$(T9D_L6_CB)
Other Public	\$(T9D_L9_CB)
Other (Private) Third-Party	\$(T9D_L12_CB)
Revenue from Indigent Care Programs	\$(T9E_L6A_CA)
Other Revenue	\$(T9E_L10_CA)
Total Revenue minus Total Cost	\$(T9D_L14_CB+T9E_L11_CA)-T8A_L17_CC)
Sliding Fee Discounts	\$(T9D_L14_CE)
Bad Debt	\$(T9D_L14_CF)

Health Center Performance Comparison Report

	Health Center	Healthy People 2020 Goals	Averages						Health Center Adjusted Quartile
			State	National	Urban/ Rural	Size	Sites	Special population Agricultural Workers	
Quality of Care Indicators/Health Outcomes									
Perinatal Health									
Access to Prenatal Care (first prenatal visit in 1st trimester)	(T6B_L7_CA+T6B_L7_CB)/T6B_L6_CA		(T6B_L7_CA+T6B_L7_CB)/T6B_L6_CA						
Low Birth Weight (Live births < 2500 grams)	(T7_Li_C1b + T7_Li_C1c) / (T7_Li_C1b+T7_Li_C1c+T7_Li_C1d)		(T7_Li_C1b + T7_Li_C1c)/(T7_Li_C1b+T7_Li_C1c+T7_Li_C1d)						
Preventive Health Screenings and Services									
Weight Assessment and Counseling for Nutrition & Physical Activity for Children and Adolescents	T6B_L12_CC / T6B_L12_CB		[Sum at each Health Center level {T6B_L12_CA * (T6B_L12_CC / T6B_L12_CB)}] / [Sum at National or State level (T6B_L12_CA)]						
Body Mass Index (BMI) Screening and Follow-Up	T6B_L13_CC / T6B_L13_CB		[Sum at each Health Center level {T6B_L13_CA * (T6B_L13_CC / T6B_L13_CB)}] / [Sum at National or State level (T6B_L13_CA)]						
Tobacco Use Screening and Cessation Intervention	T6B_L14a_CC / T6B_L14a_CB		[Sum at each Health Center level {T6B_L14a_CA * (T6B_L14a_CC / T6B_L14a_CB) }] / [Sum at National or State level (T6B_L14a_CA)]						
Colorectal Cancer Screening	T6B_L19_CC / T6B_L19_CB		[Sum at each Health Center level {T6B_L19_CA * (T6B_L19_CC / T6B_L19_CB)}] / [Sum at National or State level (T6B_L19_CA)]						
Screening for Clinical Depression and Follow-Up Plan	T6B_L21_CC / T6B_L21_CB		[Sum at each Health Center level {T6B_L21_CA * (T6B_L21_CC / T6B_L21_CB) }] / [Sum at National or State level (T6B_L21_CA)]						
Cervical Cancer Screening	T6B_L11_CC / T6B_L11_CB		[Sum at each Health Center level {T6B_L11_CA * (T6B_L11_CC / T6B_L11_CB)}] / [Sum at National or State level (T6B_L11_CA)]						
Childhood Immunization Status	T6B_L10_CC / T6B_L10_CB		[Sum at each Health Center level {T6B_L10_CA * (T6B_L10_CC / T6B_L10_CB)}] / [Sum at National or State level (T6B_L10_CA)]						
Dental Sealants for Children between 6-9 Years	T6B_L22_CC / T6B_L22_CB		[Sum at each Health Center level {T6B_L22_CA * (T6B_L22_CC / T6B_L22_CB)}] / [Sum at National or State level (T6B_L22_CA)]						
Chronic Disease Management									
Use of Appropriate Medications for Asthma	T6B_L16_CC / T6B_L16_CB		[Sum at each Health Center level {T6B_L16_CA * (T6B_L16_CC / T6B_L16_CB)}] / [Sum at National or State level (T6B_L16_CA)]						

Coronary Artery Disease (CAD): Lipid Therapy	T6B_L17_CC / T6B_L17_CB		[Sum at each Health Center level {T6B_L17_CA * (T6B_L17_CC / T6B_L17_CB)}] / [Sum at National or State level (T6B_L17_CA)]	
Ischemic Vascular Disease (IVD): Use of Aspirin or Another Antithrombotic	T6B_L18_CC / T6B_L18_CB		[Sum at each Health Center level {T6B_L18_CA * (T6B_L18_CC / T6B_L18_CB)}] / [Sum at National or State level (T6B_L18_CA)]	
HIV Linkage to Care	T6B_L20_CC / T6B_L20_CB		[Sum at each Health Center level {T6B_L20_CA * (T6B_L20_CC / T6B_L20_CB) }] / [Sum at National or State level (T6B_L20_CA)]	
Controlling High Blood Pressure (Hypertensive Patients with Blood Pressure < 140/90)	T7_Li_C2c / T7_Li_C2b		[Sum at each Health Center level {T7_Li_C2a * (T7_Li_C2c / T7_Li_C2b)}] / [Sum at National or State level (T7_Li_C2a)]	
Diabetes: Hemoglobin A1c Poor Control (Diabetic Patients with HbA1c > 9%) or No Test During Year	T7_Li_C3f / T7_Li_C3b		[Sum at each Health Center level {T7_Li_C3a * (T7_Li_C3f / T7_Li_C3b)}] / [Sum at National or State level (T7_Li_C3a)]	1-([Sum at each Health Center level {T7_Li_C3a * (T7_Li_C3f / T7_Li_C3b)}] / [Sum at National or State level (T7_Li_C3a)])

	Averages							National Percentiles		
	State	National	Urban	Size	Sites ¹	Special population Agricultural Worker ²	Special population Homeless ³	25th	Median	75th
				< 5,000	2-5	25% or more patients	Below 25% patients			
COSTS										
Cost per Patient										
Total Cost per Total Patient	T8A_L17_CC/(T3A_L39_CA+T3A_L39_CB)							Excel Percentile(Formula,X)		
Medical Cost per Medical Patient	(T8A_L1+L3_CC)/T5_L15_CC							Excel Percentile(Formula,X)		
Dental Cost per Dental Patient	T8A_L5_CC/T5_L19_CC							Excel Percentile(Formula,X)		
Mental Health Cost per Mental Health Patient	T8A_L6_CC/T5_L20_CC							Excel Percentile(Formula,X)		
Substance Abuse Cost per Substance Abuse Patient	T8A_L7_CC/T5_L21_CC							Excel Percentile(Formula,X)		
Vision Cost per Vision Patient	T8A_L9a_CC/T5_L22d_CC							Excel Percentile(Formula,X)		
Enabling Services Cost per Enabling Patient	T8A_L11_CC/T5_L29_CC							Excel Percentile(Formula,X)		

Cost per Visit		
Total Cost per Total Visit	$T8A_L17_CC/(T5_L34_CB)$	Excel Percentile(Formula,X)
Medical Cost per Medical Visit	$(T8A_L4_CC-T8A_L2_CC)/(T5_L15_CB-T5_L11_CB)$	Excel Percentile(Formula,X)
Dental Cost per Dental Visit	$T8A_L5_CC/T5_L19_CB$	Excel Percentile(Formula,X)
Mental Health Cost per Mental Health Visit	$T8A_L6_CC/T5_L20_CB$	Excel Percentile(Formula,X)
Substance Abuse Cost per Substance Abuse Visit	$T8A_L7_CC/T5_L21_CB$	Excel Percentile(Formula,X)
Vision Cost per Vision Visit	$T8A_L9a_CC/T5_L22d_CB$	Excel Percentile(Formula,X)
Enabling Services Cost per Enabling Visit	$T8A_L11_CC / T5_L29_CB$	Excel Percentile(Formula,X)

New Classifications		Logic
¹ Sites:		Count of Permanent sites that are ACTIVE as of the last day of that calendar year (12/31/2015). This count excludes Admin only and To-be Verified types of sites.
1		
2-5		
6-10		
11-15		
16-20		
>20		
Special Population:		
²Agricultural Workers		Special Population Agricultural Workers category is based on whether or not Agricultural Workers/Seasonal Agricultural Worker patients account for $\geq 25\%$ or $< 25\%$ of total Health Center patient population. Determination based on the formula: $T4_L16_CA/(T3A_L39_CA + T3A_L39_CB)$
25% or more patients		
Below 25% patients		
³Homeless		Special Population Homeless category is based on whether or not Homeless patients account for $\geq 25\%$ or $< 25\%$ of total Health Center patient population. Determination based on the formula: $T4_L23_CA/(T3A_L39_CA + T3A_L39_CB)$
25% or more patients		
Below 25% patients		
⁴ Refer to http://www.healthypeople.gov/2020/default.aspx for more information. A dash indicates that the clinical measure does not exactly align with any existing Healthy People 2020 goal.		
⁵ Health Center adjusted quartile results from a statistical model adjusting for special populations, uninsured and minority patients, and EHR use. Clinical performance for each measure is ranked from Quartile 1, highest 25% of reporting health centers, to Quartile 4, lowest 25% or reporting health centers.		
Size:		Determination based on formula: $T3A_L39_CA + T3A_L39_CB$
<5,000		
5,000-9,999		
10,000-19,999		
20,000-49,999		
50,000+		