











## Data Resources for Individual Indicators

### Section I: Core Barriers

Applicants must respond to three of the four core barrier indicators. Applicants should report on the three indicators which best characterize the needs of the service area or target population.

#### Core Barrier 1. Population to One FTE Primary Care Physician

Table 1: Population to One FTE Primary Care Physician	
<b>Primary Data Source</b>	<p style="text-align: center;"><u>FOR TARGET POPULATION LEVEL DATA (if available):</u>            Health Professional Shortage Area data (HPSA)            Find Shortage Areas: HPSA            Basic Search by State &amp; County:  <a href="http://hpsafind.hrsa.gov/HPSASearch.aspx">http://hpsafind.hrsa.gov/HPSASearch.aspx</a>            Map Search: <a href="http://datawarehouse.hrsa.gov/tools/MapTool.aspx?layerid=A070103">http://datawarehouse.hrsa.gov/tools/MapTool.aspx?layerid=A070103</a>            (Note – these links identify the presence of a HPSA but do not provide the data needed to complete the NFA worksheet - Detailed Search is needed.)</p> <p style="text-align: center;">Detailed Search including ratio:            Detailed Health Professional Shortage Area (HPSA) Data Portal  <a href="http://datawarehouse.hrsa.gov/tools/dataportal.aspx">http://datawarehouse.hrsa.gov/tools/dataportal.aspx</a>            Choose: Health Professional Shortage Areas (HPSAs)            See instructions below.</p> <p style="text-align: center;"><u>FOR SERVICE AREA LEVEL DATA (full population):</u>            HRSA Data Warehouse            Primary Care Service Area (PCSA) and Census Tract level data  <a href="http://datawarehouse.hrsa.gov/tools/dataportal.aspx">http://datawarehouse.hrsa.gov/tools/dataportal.aspx</a>            Choose: Primary Care Service Areas (PCSAs)            See instructions below.</p>
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4
<b>Format</b>	Number of persons
<b>Notes</b>	<p>Applicants should report the number of persons per 1 FTE Primary Care provider.  <b>This measure cannot be extrapolated.</b>            It is <b>NOT</b> permissible to use UDS or other practice-based sources of information.            Patient data is not equivalent to community-level data.</p>

The data reported should reflect the providers available to the target population to the degree possible. Each target population exists within an area that is unique with respect to providers' ability or willingness to make their services available to the target population. Therefore, applicants whose target population is a subset of the total service area population (such as the

low income residents of the community) must directly assess physician accessibility for the target population; extrapolation is not possible.

The data source used will vary based on the target population and availability of data:

- 1) If the target population is comprised of the entire population of the service area, use the **service area level data** source as indicated in Table 1 and explained below for the Primary Care Service Area (PCSA) level data.
- 2) If the target population is a subset of the service area population **AND population-specific HPSA data are available for that target population**, HPSA data can be used to calculate the ratio. This is only possible if the area covered by the HPSA reasonably approximates the service area, and if the population covered by the HPSA is generally equivalent to the target population (i.e., a low income HPSA could be used for a project targeting low income residents, but a linguistic isolation HPSA could not be used for that group). See below for HPSA data instructions.
- 3) If the target population is a subset of the service area population **AND population-specific HPSA data are not available for the target population**, applicants may conduct a process equivalent to that used for a HPSA designation to obtain the data (see <http://bhpr.hrsa.gov/shortage/hpsas/designationcriteria/primarycarehpsacriteria.html>). It is not necessary that the data meet the HPSA designation threshold or that the population group comprises 30% of the community.
- 4) If the target population is a subset of the service area population, **AND population-specific HPSA data are not available for the target population, AND following the HPSA process is not possible**, applicants should use the service area level data as the basis for the ratio as indicated in Table 1 for the Primary Care Service Area (PCSA) level data.

Applicants should check with their state Primary Care Office to see if HPSA designations have been tested for the service area/target population (this may be the case even if a HPSA application was not submitted), or if the necessary provider data is available to support this process. See <http://bhpr.hrsa.gov/shortage/hpsas/primarycareoffices.html> for PCO contact information.

The following sections provide information on how to obtain data using either a) HPSA data if available or b) PCSA data for any area.

#### **a) Health Professional Shortage Area (HPSA) Data Instructions**

Primary Care HPSAs are areas designated by HRSA, in collaboration with each state's Primary Care Office, as having shortages of primary care physicians, and may be geographic (covering the entire population of an area), population-group specific (typically the low income population), or facility based (comprehensive health center, federally qualified health center, or other public facility serving a designated area).

- HPSA data may be used if the area designated fully encompasses the service area or has substantial overlap with the service area. HPSAs must be in "designated" status

under the Primary Care discipline. Facility HPSAs cannot be used, nor can areas designated only in the Mental Health and/or Dental disciplines.

- HPSAs that are designated for low-income or other population group-specific designations may only be used to identify population-to-provider ratio if the target population for the application is the same as that for which the HPSA is designated.
- To see if a HPSA exists covering the area/population you are seeking to serve, you can do a search using the [HPSA Find tool](#) or the HPSA layer of the [Map Tool](#) as noted in Table 1 above.
  - For the HPSA Find tool, Select the appropriate state and county(ies) and then select the “**Primary Care**” discipline. Then click the “Search” button. Any HPSAs in the specified area will be displayed as a table and will have a specific ID number. Only HPSAs listed as “Geographical Area”, “Whole County”, or “Population Group” may be used for the purposes of calculating a Population to Provider ratio. Facility HPSAs will also be listed but cannot be used. The table will show the specific geographic areas covered below each designation. Check that the area designated includes or substantially covers the proposed service area.
  - Alternately, to see the specific boundaries of the HPSAs in the area, click on the [Map Tool](#) link. Expand the Shortage Areas options, and then the Health Professional Shortage Area (HPSA) options. Activate the HPSA – Primary Care option and use the Search box or zoom tools to find the service area of interest. Any HPSAs in the area will be shown in green. The “Identify” tool can be used to show the HPSA IDs. These tools do not show the Population to Provider ratio needed for the data response, however, so an additional step is needed if a suitable HPSA exists. Be sure to record the HPSA ID of the HPSA you plan to use.
- To get the Population to Provider ratio for the HPSA covering your service area, click on the [Detailed Search link](#) in Table 1 above.
  - Select the “Health Professional Shortage Areas (HPSAs)” option under Primary Data Set and then click “Choose Indicators”.
  - Under “Additional Data” choose the following 3 indicators: HPSA FTE, HPSA Designation Population, and HPSA Formal Ratio. Click “View Data”.
  - Under Data Portal Results, enter the **HPSA ID** of interest in the filter box at the top of that column and then click the filter icon to the right of the box and select “Equal To”. The designation of interest will be shown.
  - The ratio for the designation, along with the FTE and HSPA population, will be displayed. If no NHSC/J-1 providers are present, the formal ratio can be used directly.
  - In order to provide the most accurate scoring, National Health Service Corps (NHSC) and J-1 visa waiver providers should be counted (they are not counted in HPSA designation process or the HPSA Report for Primary Medical Care). Applicants should contact their Primary Care Office (PCO) or Primary Care Association (PCA) for assistance in determining if NHSC and/or J-1 visa waiver providers were present at the time of the most recent HPSA designation renewal.



Lists of PCOs and PCAs can be accessed at <http://bphc.hrsa.gov/qualityimprovement/supportnetworks/>.

- If NHSC/J-1 provider FTEs need to be added, the PCO should be able to provide the FTEs (either total or the portion dedicated to serving the population group for the designation).
- In the Data Portal Results, find the **HPSA FTE** and the **HPSA Designation Population** columns for the HPSA.
- Use the following formula to calculate the Population to Provider ratio:  
**Ratio = HPSA Designation Population / (HPSA FTE + NHSC Provider FTE+ J-1 FTE)** Note that if multiple HPSAs are included, sum the population and the FTEs separately before dividing – do not average the individual ratios. The “Export Selected Dataset” option may be used to download the data to Excel.

#### b) Primary Care Service Area (PCSA) Level Data Instructions

- To identify the PCSA(s) that best approximate your service area, visit the [Map Tool](#) in the HRSA Data Warehouse. Expand the Primary Care Service Areas (PCSAs) options under HRSA Data and check the box to activate the Primary Care Service Areas layer. Use the Search box or zoom tools to find the service area of interest. Use the Base Map and Boundaries options to add administrative boundaries and map images to help orient yourself. The “Identify” tool can be used to show the PCSA IDs. Note that this tool will show a “Ratio of Non-Institutionalized Population to Total Number of Primary Care Providers,” however, this is not the Population to Provider ratio needed for the data response. Therefore, an additional step is needed. Be sure to record the PCSA ID of the PCSA you plan to use.
- To get the correct Population to Provider ratio for the PCSA(s) covering your service area, click on the [Detailed Search](#) link in Table 1 above. Select the “Primary Care Service Areas (PCSAs)” option under Primary Data Set and then click “Choose Indicators”. The “**Non-Institutionalized Population**” option will already be checked, but you must also select the “**Primary Care FTE Physicians for MUA or HPSA Purposes**” option under “Additional Data.” Click “View Data.” Under Data Portal Results, enter the PCSA ID of interest in the filter box at the top of that column and then click the filter icon to the right of the box and select “Equal To”. The data for the PCSA of interest will be shown. Again, the ratio shown is not the correct ratio for this purpose. Use the following formula to determine the Population to Provider Ratio:

**Ratio = Non-Institutionalized Population / Primary Care FTE Physicians for MUA or HPSA Purposes.** Note that, if multiple PCSAs are included, sum the population and the FTEs separately before dividing – do not average the individual ratios. The “Export Selected Dataset” option may be used to download the data to Excel.

## Core Barriers 2 & 3: Percent of Population Below 200% FPL and Percent of Population Uninsured

Table 2: Percent of Population Below 200% FPL and Percent of Population Uninsured	
<b>Primary Data Source</b>	Custom 2014 ZCTA-level Map/Data utility Click <a href="#">HERE</a> to access the utility. See instructions below.
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4. Special populations applicants <b>ONLY</b> may report for the target population. All other applicants must provide the response for the entire service area.
<b>Format</b>	Percent
<b>Notes</b>	Due to the degree of change in the rate of uninsurance brought about by the Affordable Care Act implementation in 2014, the direct use of 5-year local American Community Survey data is not reflective of current status. Instead, a small area (ZCTA-level) allocation of 1-year 2014 ACS uninsurance data was prepared using poverty level and age breaks for the resident community. The map utility includes both the necessary uninsurance and low income details to complete these two sections of the worksheet, as well as information on how the data was prepared. 5-year ACS data should not be used as a substitute as the scales have been recalibrated to the 1-year 2014 values.

Use the following process to gather data and calculate this measure:

1. Open the [2014 Estimated Uninsured and Low Income map and data utility](#). Use the Search box or zoom tools to find the service area of interest. ZCTAs will display once the map is zoomed to a sub-state level. Click any ZCTA to see the Uninsured and Low Income details. To select multiple ZCTAs, click the “Attribute Table” button in the controls at the bottom of the map (table area may be expanded) and re-zoom the map so that the full service area is visible above the table. Make sure “Filter by Map Extent” is highlighted. You may then select the ZCTAs of interest from the list below, using the <CTRL> key to select multiple areas. Selected ZCTAs will be highlighted on the map. To download the data for selected ZCTAs, click on the Options button and choose “Export Selected to CSV.”
2. If multiple ZCTAs are included in the service area you must sum the numerators and denominators separately before dividing to get the percent. Note that the Uninsured and the Low Income measures have different population denominators. Be sure to divide the correct numerator and denominators for each measure and then divide to get the values for these measures as follows:
  - **% Uninsured = Uninsured Pop / Uninsured Denominator Pop**
  - **% Low Income = Low Income Pop / Low Income Denominator Pop**

## Core Barrier 4: Distance (miles) or Travel Time (minutes) to the Nearest Primary Care Provider Accepting New Medicaid Patients and Uninsured Patients

Table 3: Distance (miles) or Travel Time (minutes) to the Nearest Primary Care Provider Accepting New Medicaid Patients and Uninsured Patients	
Primary Data Source	<p>Google maps for drive times and public transportation times.</p> <p>UDS Mapper is the best map tool for identifying the nearest federally funded primary care providers.</p> <p>UDS Mapper: <a href="http://www.udsmapper.org">http://www.udsmapper.org</a> (you will need to register for access)</p> <p>Under the “Explore Service Area” tool, scroll to the bottom and check the following:</p> <ul style="list-style-type: none"> <li>▪ Health Center Service Access Points</li> <li>▪ NHSC Sites</li> <li>▪ Rural Health Clinics</li> </ul> <p>Hover the mouse over each point shown to see the site address.</p> <p>You will need to use Google maps to determine the time/distance to each site.</p> <p>Do not simply report the distance to the closest site found. You may need to call each site to determine if they are accepting new Medicaid and uninsured patients on a sliding fee basis.</p>
Other Recommended Data Source(s)	See <a href="#">alternate data source conditions</a> on page 4
Format	Number (miles or minutes)
Notes	See below

### Distance should be measured from the address of the proposed service site to the nearest provider meeting the following criteria:

- Health Center Program (HCP) grantee and look-alike service sites (including other sites operated by the applicant), NHSC sites, and Rural Health Clinics.
- Other providers that:
  - Currently accept new Medicaid **and** uninsured patients; and
  - Provide services to uninsured patients on a sliding fee scale, or at no cost; and
  - Provide comprehensive primary care services (whether provided by a physician or other provider within the scope of their license, such as a nurse practitioner).

If multiple sites are proposed, applicant should average the distance from each individual proposed site to the provider nearest each proposed site.

Distance by public transportation may be used when 1) at least 20% of the target population lives below poverty, **and** 2) at least 30% of the target population uses public transportation as the main source of transportation to work. To determine if the target population meets these criteria:

1. Access the American FactFinder at:  
<http://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t#none>.
2. Under box 1 of the search request for tables and files, enter **S0802** and click “Go.”
3. Under the Geographies tab on the left, select the geographic units used to define your service area (e.g., County, Census Tracts), click “Add to your Selections,” and then click “Close” in the upper right of the Geographies box.
4. In the center table of the search results, check the box in the “Means of Transportation to Work by Selected Characteristics” row with the **2014 ACS 5-year estimates**. Click View to access the data.
5. Calculate the percentage of the target population using public transportation by dividing the estimate for Workers 16 years and over using Public Transportation by the Total Workers 16 years and over.

## Section II: Core Health Indicators

Applicants must report on one indicator for each of the six core health categories (diabetes, cardiovascular disease, cancer, prenatal and perinatal health, child health, and behavioral health). Applicants may choose any of the listed indicators for each category, or they may provide an alternative related to the category in the “other” column.

“Other” indicators must be reported from a reliable and independent source such as a state or local government agency, professional body, foundation, or other well-known organization using recognized, scientifically-accepted data collection and/or analysis methods. Data generated by providers (including UDS data) and unscientific surveys are **not** allowable.

If an “other” indicator is used, applicants must provide the following information in the NFA worksheet:

- The parameters (definition) for the indicator as defined by the data source
- The proposed benchmark to be used, including the data unit and whether the data response is greater than or less than the benchmark
- The data response and year to which the data apply (if the data apply to a period of more than one year, provide the most recent year)
- Full citation for the data source (including an internet address where available) and the rationale for using the alternative indicator
- Under methodology utilized, the source of the benchmark and explanation of extrapolation, if applicable
- The geographic service area or target population for the data

## 1. Diabetes

Table 4: Diabetes Prevalence	
<b>Primary Data Source</b>	<p style="text-align: center;"><u>FOR COUNTY LEVEL DATA</u></p> <p>Centers for Disease Control (CDC) Diabetes Interactive Atlas  <a href="http://www.cdc.gov/diabetes/atlas/countydata/atlas.html">http://www.cdc.gov/diabetes/atlas/countydata/atlas.html</a>            → Under Diagnosed Diabetes Percentage/2012 click on “Indicator”.            → Select Diagnosed Diabetes → Select Age Adjusted Percentage → Select 2012.            → Click on “Select State” and “State_Name” to select your state.            → Click on the map or the table at the bottom of the page to select your county.            → Report the number in the Indicator column as the percent.</p> <p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>            → Under Tools, select Community Health View.            → Under “Limit my search to” select only Counties.            → Under “Select a Theme or Topic” check CDC, National Diabetes Surveillance System, Diabetes Prevalence, 2012.            → Under “Select a group/category” select Age-Adjusted Percentage.            → Roll over the county to show the diabetes prevalence percentage.            → Indicator will appear in data table.</p> <p style="text-align: center;"><u>FOR STATE DATA</u></p> <p>Behavioral Risk Factor Surveillance System (BRFSS)  <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a>            → Select State → Click Go.            → Select Class: Chronic Health Indicators → Select Topic: Diabetes.            → Select most recent year → Click Go.            → Scroll over the bar chart indicating Yes for the question, “Have you ever been told by a doctor that you have diabetes?”</p>
<b>Other Recommended Data Source(s)</b>	<p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a>            → Select State → Select County → Under Quality of Life, select Additional Health Outcomes → See Diabetes prevalence.</p>
<b>Format</b>	Percent
<b>Notes</b>	<p style="text-align: center;">Must be age-adjusted.            State level data is available by gender, age, race, income, and education.</p>

Table 5: Adult Obesity Prevalence	
Primary Data Source	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <ul style="list-style-type: none"> <li>→ In the Explore Service Area tool, make sure the Map tab is selected for the view (not the Data tab).</li> <li>→ Under the Explore Service Area tool on the right menu, search/add selected service area zip code(s) in the “Search To Go or Select” field.               <ul style="list-style-type: none"> <li>→ Once all ZCTAs are selected, go to the Data tab.</li> </ul> </li> <li>→ Select the “Additional Population Data and Indicators” tab at the bottom of the screen.               <ul style="list-style-type: none"> <li>→ Scroll to the right and click on % Adults Who Are Obese, est. 07-12.</li> <li>→ Indicator will appear in the data table.</li> </ul> </li> </ul>
Other Recommended Data Source(s)	<p>Community Health Status Indicators (CHSI) <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a></p> <ul style="list-style-type: none"> <li>→ Select State → Select County → Under Morbidity, select Adult Obesity.</li> </ul> <p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a></p> <ul style="list-style-type: none"> <li>→ Below the map, select Measure: Adult Obesity → Select State.</li> <li>→ Click “Go.”</li> </ul>
Format	Percent
Notes	<p>State level data is available by gender, age, race, income, and education. Obesity is defined as a body mass index (BMI) equal to or greater than 30, based on weight and height.</p>

Table 6: Diabetes Mortality Rate	
Primary Data Source	<p>CDC WONDER <a href="http://wonderd.cdc.gov">http://wonderd.cdc.gov</a></p> <ul style="list-style-type: none"> <li>→ Select “Detailed Mortality”.</li> <li>→ Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”.</li> <li>→ Under “2. Select location” choose “States” and then select your state.</li> <li>→ Under “3. Select demographics” choose ten-year age groups. Select “all ages”. Select any other desired demographics.               <ul style="list-style-type: none"> <li>→ Use default values under sections 4 &amp; 5.</li> </ul> </li> <li>→ Under “6. Select cause of death” choose “ICD-10 113 cause list” and in list select “Diabetes mellitus (E10-E14)”.</li> <li>→ Click Send → Report data in “Age Adjusted Rate per 100,000” column.</li> </ul>
Other Recommended Data Source(s)	State and Local Health Departments
Format	Rate per 100,000
Notes	<p>Must be age-adjusted.</p> <p>Diabetes mortality rate is number of deaths per 100,000 population reported due to diabetes as the underlying cause or as one of multiple causes of death (ICD-10 codes E10-E14).</p> <p>Data is available at some geographies by race, ethnicity, age, and gender.</p>

Table 7: Diabetic Medicare Enrollees Not Receiving a Hemoglobin A1c (HbA1c) Test	
Primary Data Source	Health Indicators Warehouse <a href="http://www.healthindicators.gov/Indicators/HbA1c-test-diabetic-Medicare-beneficiaries-percent_29/Profile/ClassicData">http://www.healthindicators.gov/Indicators/HbA1c-test-diabetic-Medicare-beneficiaries-percent_29/Profile/ClassicData</a> → Under “Table” tab, Select State → Select County → Subtract rate for most recent year from 100 to calculate data response.
Other Recommended Data Source(s)	County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a> → Below the map, Select Measure: Diabetic Monitoring → Select State. → Click “Go” → Subtract rate from 100 to calculate data response.
Format	Percent

Table 8: Adults with No Physical Activity in Past 30 Days	
Primary Data Source	CDC Diabetes Interactive Atlas <a href="http://www.cdc.gov/diabetes/atlas/countydata/atlas.html">http://www.cdc.gov/diabetes/atlas/countydata/atlas.html</a> → Under <b>Diagnosed Diabetes Percentage/2012</b> click on “Indicator”. → Select Leisure-Time Physical Inactivity → Select Percentage. → Click on “Select State” and “State_Name” to select your state. → Click on the map or the table at the bottom of the page to select your county. → Report the number in the Indicator column as the percent.
Other Recommended Data Source(s)	CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a> → Select State → Select County. → Under Health Behaviors, select Adult Physical Inactivity.  County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a> → Below the map, select Measure: Physical Inactivity → Select State. → Click “Go.”
Format	Percent

## 2. Cardiovascular Disease

<b>Table 9: Hypertension Hospital Admission</b>	
<b>Primary Data Source</b>	<p>State Data Sources for State and County Data</p> <p>Healthcare Cost and Utilization Project (HCUP) for national rates  <a href="http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E&amp;MAINSEL=AHRQ%20Quality%20Indicators">http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E&amp;MAINSEL=AHRQ%20Quality%20Indicators</a>            → Scroll down and select AHRQ Quality Indicators → QI Summary Tables.            → Indicator Selection: Prevention Quality Indicators – PQIs.            → Detailed statistics (select most recent year) → Hypertension.</p>
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4.
<b>Format</b>	Rate per 100,000
<b>Notes</b>	<p>Indicator should be calculated using the Agency for Healthcare Research and Quality PQI Methodology for patients 18 and older. The measure should be adjusted for patient and hospital factors (per the AHRQ methodology). Crude hypertension admission rates should not be used.</p> <p>National rate available by age and gender.</p>

<b>Table 10: Congestive Heart Failure Hospital Admission</b>	
<b>Primary Data Source</b>	<p>State Data Sources for State and County Data</p> <p>HCUP for national rates  <a href="http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E&amp;MAINSEL=AHRQ%20Quality%20Indicators">http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E&amp;MAINSEL=AHRQ%20Quality%20Indicators</a>            → Scroll down and select AHRQ Quality Indicators → QI Summary Tables.            → Indicator Selection: Prevention Quality Indicators – PQIs.            → Detailed statistics (select most recent year) → Congestive heart failure.</p>
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4.
<b>Format</b>	Rate per 100,000
<b>Notes</b>	<p>Indicator should be calculated using the Agency for Healthcare Research and Quality PQI Methodology for patients 18 and older. The measure should be adjusted for patient and hospital factors (per the AHRQ methodology). Crude congestive heart failure admission rates should not be used.</p> <p>National rate available by age and gender.</p>



Table 11: Mortality from Diseases of the Heart	
Primary Data Source	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a></p> <p>→ Select “Detailed Mortality”.</p> <p>→ Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”.</p> <p>→ Under “2. Select location” choose “States” and then select your state.</p> <p>→ Under “3. Select demographics“ choose “ten-year age groups” and any other desired demographics.</p> <p>→ Use default values under sections 4 &amp; 5.</p> <p>→ Under “6. Select cause of death” choose “ICD-10 113 cause list” and in list select “Diseases of heart (I00-I09, I11,I13,I20-I51)”.</p> <p>→ Click Send → Report data in “Age Adjusted Rate per 100,000” column.</p>
Other Recommended Data Source(s)	<p>Health Indicators Warehouse (HIW)</p> <p><a href="http://www.healthindicators.gov/Indicators/Heart-disease-deaths-per-100000_83/Profile/ClassicData">http://www.healthindicators.gov/Indicators/Heart-disease-deaths-per-100000_83/Profile/ClassicData</a></p> <p>→ Under “Table” tab, select State → Select County.</p> <p>→ Report age-adjusted rate for most recent year.</p>
Format	Rate per 100,000
Notes	<p>Must be age-adjusted.</p> <p>Total number of deaths per 100,000 reported as due to heart disease (includes ICD-10 codes for selected causes of death I00-109, I11, I13, and I20-I51).</p>

Table 12: Adults Reporting Diagnosis of High Blood Pressure	
Primary Data Source	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <p>→ In the Explore Service Area tool, make sure the Map tab is selected for the view (not the Data tab).</p> <p>→ Under the Explore Service Area tool on the right menu, search/add selected service area zip code(s) in the “Search To Go or Select” field.</p> <p>→ Once all ZCTAs are selected, go to the Data tab.</p> <p>→ Select the “Additional Population Data and Indicators” tab at the bottom of the screen.</p> <p>→ Scroll to the right and click on Percent of Adults Ever Told They Have High Blood Pressure, est. 07-12 → Indicator will appear in data table.</p>
Other Recommended Data Source(s)	<p>FOR STATE DATA</p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <p>→ Select State → Click Go.</p> <p>→ Select Class: Hypertension Awareness → Select Topic: High Blood Pressure.</p> <p>→ Select most recent year → Click Go.</p> <p>→ Scroll over the bar chart indicating Yes for “Adults who have been told they have high blood pressure.”</p>
Format	Percent
Notes	Data at national and state geographies is available by race/ethnicity, gender, age, current insurance status, income, and education.

**Table 13: No Cholesterol Screening**

<p><b>Primary Data Source</b></p>	<p style="text-align: center;"><u>FOR COUNTY LEVEL DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) County Prevalence Data (2011 to 2012)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by county.</li> <li>→ In the Class column, click on the left menu icon to filter by Cholesterol Awareness.</li> <li>→ In the Topic column, click on the left menu icon to filter by Cholesterol Checked.</li> <li>→ In the Question column, click on the left menu icon to filter by “Adults who have had their blood cholesterol checked within the last five years”.</li> <li>→ In the Response column, click on the left menu icon to filter by “Checked in past 5 years”.</li> <li>→ Subtract the number in the Data_value column from 100 to calculate data response.</li> </ul> <p style="text-align: center;"><u>FOR SELECT METROPOLITAN AREA DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) MMSA Prevalence Data (2011 to present)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by metropolitan area → Follow the steps above.</li> </ul> <p style="text-align: center;"><u>FOR STATE DATA</u></p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Click Go.</li> <li>→ Select Class: Cholesterol Awareness → Select Topic: Cholesterol Checked.</li> <li>→ Select most recent year → Click Go.</li> <li>→ Scroll over the bar chart indicating Yes for “Adults who have had their blood cholesterol checked within the last five years”.</li> <li>→ Subtract the percentage from 100 to calculate data response.</li> </ul>
<p><b>Other Recommended Data Source(s)</b></p>	<p style="text-align: center;">Health Indicators Warehouse (HIW)</p> <p style="text-align: center;"><a href="http://www.healthindicators.gov/Indicators/Cholesterol-screening-adults-percent_886/Profile/ClassicData">http://www.healthindicators.gov/Indicators/Cholesterol-screening-adults-percent_886/Profile/ClassicData</a></p> <ul style="list-style-type: none"> <li>→ Use national age-adjusted rates for most recent year to extrapolate.</li> </ul>
<p><b>Format</b></p>	<p style="text-align: center;">Percent</p>
<p><b>Notes</b></p>	<p style="text-align: center;">No screening in past 5 years.</p> <p>Data at national and state geographies is available by race/ethnicity, gender, age, current insurance status, income, and education.</p> <p>Data for this indicator is not readily available at county or sub-county geographies. Applicants may extrapolate state rates to the service area or target population based on demographic characteristics, to the extent feasible.</p>

**Table 14: Cerebrovascular Disease Mortality**

<p><b>Primary Data Source</b></p>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>          → Select “Detailed Mortality”.          → Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”.          → Under “2. Select location” choose “States” and then select your state.          → Under “3. Select demographics” choose “ten-year age groups” and any other desired demographics.          → Use default values under sections 4 &amp; 5.          → Under “6. Select cause of death” choose “ICD-10 113 cause list” and select from the list “Cerebrovascular diseases (I60-I69)”.          → Click Send → Report data in “Age Adjusted Rate per 100,000” column.</p>
<p><b>Other Recommended Data Source(s)</b></p>	<p>CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a>          → Select State → Select County → Under Mortality, select Stroke Deaths.</p> <p>Health Indicators Warehouse (HIW)  <a href="http://www.healthindicators.gov/Indicators/Stroke-deaths-per-100000_881/Profile/ClassicData">http://www.healthindicators.gov/Indicators/Stroke-deaths-per-100000_881/Profile/ClassicData</a>          → Under “Table” tab, select State → Select County.          → Use age-adjusted rate for most recent year.</p>
<p><b>Format</b></p>	<p>Rate per 100,000</p>
<p><b>Notes</b></p>	<p>Must be age-adjusted.          Total number of deaths per 100,000 reported as due to cerebrovascular disease (includes ICD-10 codes I60-I69).</p>

### 3. Cancer

Table 15: Women with No Pap Test in the Past 3 years	
<b>Primary Data Source</b>	<p style="text-align: center;"><u>FOR COUNTY LEVEL DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) County Prevalence Data (2011 to 2012).”</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by county.</li> <li>→ In the Class column, click on the left menu icon to filter by Women’s Health.</li> <li>→ In the Topic column, click on the left menu icon to filter by Pap Test.</li> <li>→ In the Question column, click on the left menu icon to filter by “Women aged 18+ who have had a pap test within the past three years”.</li> <li>→ In the Response column, click on the left menu icon to filter by “No”.</li> <li>→ Report the number in the Data_value column.</li> </ul> <p style="text-align: center;"><u>FOR SELECT METROPOLITAN AREA DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) MMSA Prevalence Data (2011 to present)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by metropolitan area → Follow the steps above.</li> </ul> <p style="text-align: center;"><u>FOR STATE DATA</u></p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Click Go.</li> <li>→ Select Class: Women’s Health → Select Topic: Pap Test.</li> <li>→ Select most recent year → Click Go.</li> <li>→ Scroll over the bar chart indicating No for “Women aged 18+ who have had a pap test within the past three years”.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p style="text-align: center;">CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a></p> <ul style="list-style-type: none"> <li>→ Select State → Select County.</li> <li>→ Under Health Behaviors, select “Adult female routine pap tests”.</li> <li>→ Subtract rate from 100 to calculate data response.</li> </ul> <p style="text-align: center;">Kaiser State Health Facts <a href="http://www.statehealthfacts.org/index.jsp">http://www.statehealthfacts.org/index.jsp</a></p> <ul style="list-style-type: none"> <li>→ Select State → Select Category: Women’s Health → Select “Percent of Women Ages 18-64 who Report Having Had a Pap Smear within the Past Three Years”.</li> <li>→ Subtract rate from 100 to calculate data response.</li> </ul>
<b>Format</b>	Percent
<b>Notes</b>	Women 18+. Data at national and state geographies is available by race/ethnicity, gender, age, current insurance status, income, and education.

**Table 16: Women with No Mammogram in the Past 2 Years**

<p><b>Primary Data Source</b></p>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>          → Under Tools, select Community Health View.          → Under “Limit my search to” select only Counties.          → Under “Select a Theme or Topic” check Behavioral Risk Factor Surveillance System (BFRSS), Mammogram, Women 50 and older, 2006-2010.          → Under “Select a group/category” select Percentage 50+ with mammogram in past 2 years.          → Roll over the county to show the diabetes prevalence percentage.          → Indicator will appear in data table.          → Subtract rate from 100 to calculate data response.</p>
<p><b>Other Recommended Data Source(s)</b></p>	<p><u>FOR STATE DATA</u>          BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a>          → Select State → Click Go.          → Select Class: Women’s Health → Select Topic: Mammogram.          → Select most recent year → Click Go.          → Scroll over the bar chart indicating No for “Women aged 50+ who have had a mammogram within the past two years”.</p>
<p><b>Format</b></p>	<p>Percent</p>
<p><b>Notes</b></p>	<p>Women 50+.          Data at national and state geographies is available by race/ethnicity, gender, age, current insurance status, income, and education.</p>

**Table 17: Adults with No Fecal Occult Blood Test (FOBT) within the Past 2 Years**

<p><b>Primary Data Source</b></p>	<p style="text-align: center;"><u>FOR COUNTY LEVEL DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) County Prevalence Data (2011 to 2012)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by county.</li> <li>→ In the Class column, click on the left menu icon to filter by Colorectal Cancer Screening.</li> <li>→ In the Topic column, click on the left menu icon to filter by Blood Stool Test.</li> <li>→ In the Question column, click on the left menu icon to filter by “Adults aged 50+ who have had a blood stool test within the past two years”.</li> <li>→ In the Response column, click on the left menu icon to filter by “No”.</li> <li>→ Report the number in the Data_value column.</li> </ul> <p style="text-align: center;"><u>FOR SELECT METROPOLITAN AREA DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) MMSA Prevalence Data (2011 to present)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by metropolitan area → Follow the steps above.</li> </ul> <p style="text-align: center;"><u>FOR STATE DATA</u></p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Click Go.</li> <li>→ Select Class: Colorectal Cancer Screening → Select Topic: Blood Stool Test.</li> <li>→ Select most recent year → Click Go.</li> <li>→ Scroll over the bar chart indicating No for “Adults aged 50+ who have had a blood stool test within the past two years”.</li> </ul>
<p><b>Other Recommended Data Source(s)</b></p>	<p>See <a href="#">alternate data source conditions</a> on page 4.</p>
<p><b>Format</b></p>	<p>Percent</p>
<p><b>Notes</b></p>	<p>Adults 50+.</p> <p>Data at national and state geographies is available by race/ethnicity, gender, age, current insurance status, income, and education.</p> <p>Data for this indicator is not readily available at county or sub-county geographies. Applicants may extrapolate state rates to the service area or target population based on demographic characteristics, to the extent feasible.</p>

<b>Table 18: Adults who Currently Smoke Cigarettes</b>	
<b>Primary Data Source</b>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <ul style="list-style-type: none"> <li>→ Under Tools, select Community Health View.</li> <li>→ Under “Limit my search to” select only Counties.</li> <li>→ Under “Select a Theme or Topic” check Behavioral Risk Factor Surveillance System (BFRSS), Smoking, Adults 18 and older, 2006-2010.</li> <li>→ Under “Select a group/category” select Percentage 18+ with currently smoking cigarettes.</li> <li>→ Roll over the county to show the percentage.</li> <li>→ Indicator will appear in data table.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p>CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a></p> <ul style="list-style-type: none"> <li>→ Select State → Select County → Under Health Behaviors, select Adult Smoking.</li> </ul> <p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a></p> <ul style="list-style-type: none"> <li>→ Below the map, Select Measure: Adult Smoking → Select State.</li> <li>→ Click “Go”.</li> </ul>
<b>Format</b>	Percent
<b>Notes</b>	Data at national and state geographies is available by race/ethnicity, gender, age, current insurance status, income, and education.

<b>Table 19: Breast Cancer Mortality among Females</b>	
<b>Primary Data Source</b>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a></p> <ul style="list-style-type: none"> <li>→ Select “Detailed Mortality”.</li> <li>→ Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”.</li> <li>→ Under “2. Select location” choose “States” and then select your state.</li> <li>→ Under “3. Select Demographics” choose ten-year age groups.</li> <li>→ Select “all ages” and select any other desired demographics.</li> <li>→ Use default values under sections 4 &amp; 5.</li> <li>→ Under “6. Select cause of death” choose “ICD-10 113 cause list” and in list, select “Malignant neoplasm of breast (C50)”.</li> <li>→ Click Send.</li> <li>→ Report data in “Age Adjusted Rate per 100,000” column.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p>Kaiser State Health Facts <a href="http://www.statehealthfacts.org/index.jsp">http://www.statehealthfacts.org/index.jsp</a></p> <ul style="list-style-type: none"> <li>→ Select State → Select Category: Women’s Health → Select “Breast Cancer Deaths per 100,000 Women”.</li> </ul>
<b>Format</b>	Rate per 100,000
<b>Notes</b>	<p>Must be age-adjusted.</p> <p>Data is available at some geographies by race, ethnicity, and age.</p>

**Table 20: Colorectal Cancer Mortality**

<p><b>Primary Data Source</b></p>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>          → Select “Detailed Mortality.”          → Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”.          → Under “2. Select location” choose “States” and then select your state.          → Under “3. Select Demographics” choose ten-year age groups.          → Select “all ages” and select any other desired demographics.          → Use default values under sections 4 &amp; 5.          → Under “6. Select cause of death” choose “ICD-10 113 cause list” and in list select “Malignant neoplasms of colon, rectum and anus (C18-21)”.          → Click Send → Report data in “Age Adjusted Rate per 100,000” column.</p>
<p><b>Other Recommended Data Source(s)</b></p>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>          → Under Tools, select Community Health View.          → Under “Limit my search to” select only Counties.          → Under “Select a Theme or Topic” check Death Rate, Colorectal Cancer, 2007-2011 → Under “Select a group/category” select Rate per 100,000.          → Roll over the county to show the percentage.          → Indicator will appear in data table.</p>
<p><b>Format</b></p>	<p>Rate per 100,000</p>
<p><b>Notes</b></p>	<p>Must be age-adjusted.          Data is available at some geographies by race, ethnicity, age, gender, and other demographic factors.</p>

**4. Prenatal and Perinatal Health**

**Table 21: Low Birth Weight**

<p><b>Primary Data Source</b></p>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>          → In the Explore Service Area tool, make sure the Map tab is selected for the view (not the Data tab).          → Under the Explore Service Area tool on the right menu, search/add selected service area zip code(s) in the “Search To Go or Select” field.          → Once all ZCTAs are selected, go to the Data tab.          → Select the “Additional Population Data and Indicators” tab at the bottom of the screen.          → Scroll to the right and click on Low Birth Weight Rate, est. 10-12.          → Indicator will appear in data table.</p> <p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a>          → Select State → Select County.          → Under Health Outcomes and Quality of Life → See Low birthweight.</p>
-----------------------------------	--



<b>Table 21: Low Birth Weight</b>	
<b>Other Recommended Data Source(s)</b>	<p>CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a>            → Select State → Select County.            → Under the “Indicators” tab, select Low Birth Weight.</p> <p>CDC National Vital Statistics System (NVSS) <a href="http://www.cdc.gov/nchs/nvss.htm">http://www.cdc.gov/nchs/nvss.htm</a></p> <p>CDC Wonder <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a></p> <p>State Health Departments</p>
<b>Format</b>	Percent
<b>Notes</b>	Low birth weight = less than 2500 grams, 5 year average. Data available for ranges greater than five years is acceptable.

<b>Table 22: Infant Mortality Rate</b>	
<b>Primary Data Source</b>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>            → Select “Infant Deaths (Linked Birth/Infant Death Records)”.            → Select “Linked Birth/Infant Death Records for 2007-2013 with ICD 10 codes”.            → Under “1. Organize table layout” choose group results by county (and any other demographics required).            → Under “2. Select “maternal residence” and choose “States,” and then select your state.            → Use default values under sections 3, 4, &amp; 5.            → Under “6. Select infant characteristics” choose “All Ages” and “All Years”.            → Under “7. Other options” select “Calculate Rates Per 1,000”.            → Select “Send” and report the number in the “Death Rate Per 1,000” column.</p>
<b>Other Recommended Data Source(s)</b>	<p>CDC National Vital Statistics System (NVSS) <a href="http://www.cdc.gov/nchs/nvss.htm">http://www.cdc.gov/nchs/nvss.htm</a></p> <p>State Health Departments</p>
<b>Format</b>	Rate per 1,000
<b>Notes</b>	Data available for a 4-year rate or more is acceptable.

**Table 23: Births to Teenage Mothers**

<p><b>Primary Data Source</b></p>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>          → Select “Births”.          → Select “Natality for 2007-2013”.          → Under “1. Organize table layout” choose group results by county (and any other demographics required).          → Under “2. Select “maternal residence” and choose “States”, and then select your state.          → Under “3. Select other maternal characteristics” select “15-19 years” under “Age of Mother” and select any other desired demographics.          → Under “4. Select birth characteristics” select “All Years” under “Year”.          → Use default values under sections 5 &amp; 6.          → Select “Send” and note the number of births for 15-19 year olds for the desired county.          → Go to “Request Form” tab and repeat, choosing “All Ages” under “Age of Mother” in “3. Select other maternal characteristics”.          → Select “Send” and note the number of births for all ages for the desired county.          → Divide the number of births for 15-19 year olds by the number of all births to obtain the percentage.</p>
<p><b>Other Recommended Data Source(s)</b></p>	<p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a>          → Below the map, select Measure: Teen Births → Select State → Click “Go”.          CDC National Vital Statistics System (NVSS) <a href="http://www.cdc.gov/nchs/nvss.htm">http://www.cdc.gov/nchs/nvss.htm</a>          State Health Departments</p>
<p><b>Format</b></p>	<p>Percent</p>
<p><b>Notes</b></p>	<p>Ages 15-19, percent of all births.          Data is available at some geographies by race, ethnicity, age, gender, and other demographic factors.</p>

**Table 24: Late Entry into Prenatal Care**

<p><b>Primary Data Source</b></p>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>          → Select “Births”.          → Select “Natality for 2007-2013”.          → Under “1. Organize table layout” choose “group results by county” (and any other demographics required).          → Under “2. Select maternal residence” choose “States” and then select your state.          → Under “3. Select other maternal characteristics” use default values.          → Under “4. Select birth characteristics” select “No Prenatal Care” and “4th month” through “10th month” under “Month Prenatal Care Began”.          → Use default values under sections 5 &amp; 6.          → Select “Send” and note the number of births for the desired county.          → Go to “Request Form” tab and repeat, choosing “All Months” under “Month Prenatal Care Began” in “4. Select birth characteristics”.          → Select “Send” and note the number of births for the desired county.          → Divide the number of late entry into prenatal care by the number of all births to obtain the percentage.</p>
<p><b>Other Recommended Data Source(s)</b></p>	<p>CDC National Vital Statistics System (NVSS) <a href="http://www.cdc.gov/nchs/nvss.htm">http://www.cdc.gov/nchs/nvss.htm</a>          State Health Departments</p>
<p><b>Format</b></p>	<p>Percent</p>
<p><b>Notes</b></p>	<p>Entry after first trimester, percent of all births.          Data is available at some geographies by race, ethnicity, age, gender, and other demographic factors.          For less populated geographies, it may be necessary to choose 10-year data groups for data to be available.</p>

**Table 25: Cigarette Use During Pregnancy**

<p><b>Primary Data Source</b></p>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>          → Select “Births”.          → Select “Natality for 2007-2013”.          → Under “1. Organize table layout” choose group results by county (and any other demographics required).          → Under “2. Select maternal residence” choose “States” and then select your state          → Use default values under sections 3 &amp; 4.          → Under “5. Select maternal risk factors” select “Yes” under “Tobacco Use”.          → Use default values under section 6.          → Select “Send” and note the number of births for tobacco users for the desired county.          → Go to “Request Form” tab and repeat, choosing “All Values” under “Tobacco Use” in “5. Select maternal risk factors”.          → Select “Send” and note the number of births for the desired county.          → Divide the number of births for tobacco users by the number of all births to obtain the percentage.</p>
<p><b>Other Recommended Data Source(s)</b></p>	<p>CDC National Vital Statistics System (NVSS) <a href="http://www.cdc.gov/nchs/nvss.htm">http://www.cdc.gov/nchs/nvss.htm</a>          State Health Departments</p>
<p><b>Format</b></p>	<p>Percent</p>
<p><b>Notes</b></p>	<p>Percent of all pregnancies.          Data is available at some geographies by race, ethnicity, age, gender, and other demographic factors.          For less populated geographies, it may be necessary to choose 10-year data groups for data to be available.</p>

**Table 26: Preterm Births**

<p><b>Primary Data Source</b></p>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>          → Select “Births”.          → Select “Natality for 2007-2013”.          → Under “1. Organize table layout” choose “group results by county” (and any other demographics required).          → Under “2. Select maternal residence” choose “States” and then select your state.          → Under “3. Select other maternal characteristics” use default values.          → Under “4. Select birth characteristics” select “Under 20 weeks,” “20-27 weeks,” “28-31 weeks,” “32-33 weeks,” and “34-36 weeks” under “Gestational Age Group 2”.          → Use default values under sections 5 &amp; 6.          → Select “Send” and note the number of births for the desired county.          → Go to “Request Form” tab and repeat, choosing “All Weeks” under “Gestational Age Group 2” in “4. Select birth characteristics”.          → Select “Send” and note the number of births for the desired county.          → Divide the number of preterm births by the number of all births to obtain percentage.</p>
-----------------------------------	---

<b>Table 26: Preterm Births</b>	
<b>Other Recommended Data Source(s)</b>	<p>CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a>  → Select State → Select County → Under Morbidity, Select Preterm Births.</p> <p>CDC National Vital Statistics System (NVSS) <a href="http://www.cdc.gov/nchs/nvss.htm">http://www.cdc.gov/nchs/nvss.htm</a></p>
<b>Format</b>	Percent
<b>Notes</b>	<p>Less than 37 weeks gestational age.</p> <p>Data is available at some geographies by race, ethnicity, age, gender, and other demographic factors.</p> <p>For less populated geographies, it may be necessary to choose 10-year data groups for data to be available.</p>

## 5. Child Health

<b>Table 27: Children not Receiving Recommended Immunizations (4-3-1-3-3-1-4)</b>	
<b>Primary Data Source</b>	<p>CDC NIS <a href="http://www.cdc.gov/nchs/nis.htm">http://www.cdc.gov/nchs/nis.htm</a>  → In the left menu, click “Immunization Coverage in the United States”.  → Under “Surveys of U.S. Vaccination Coverage” choose “National Immunization Survey (NIS) Children 19-35 months”.  → Under (Children) NIS Data (timeframe) choose January – December 2014.  → Under NIS Data Tables choose “Overall”.  → Under “Overall” open file “Coverage with Individual Vaccines and Vaccination Series”.  → Find the row for your state/local area and the number in that row under the “Combined 7-vaccine series” column (record only the number before the ± sign).  → This is the % of children vaccinated; subtract this number from 100 to calculate the % of children NOT vaccinated.</p>
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4.
<b>Format</b>	Percent
<b>Notes</b>	19-35 months old.

<b>Table 28: Children not Tested for Elevated Blood Lead Levels</b>	
<b>Primary Data Source</b>	<p>CDC Lead Poisoning Branch <a href="http://www.cdc.gov/nceh/lead/data/index.htm">http://www.cdc.gov/nceh/lead/data/index.htm</a>            → Choose “CDC’s State Surveillance Data”.            → Choose your state and open the data sheet for the most current year available.            → Find the row for your county and the percent in the “Percent of Children Tested” column → Subtract the number from 100 to calculate the % of children NOT tested.</p>
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4.
<b>Format</b>	Percent
<b>Notes</b>	<p>By 72 months of age.            Data not available for all states – where state data is available, data may not be available for all counties.</p>

<b>Table 29: Pediatric Asthma Hospital Admission</b>	
<b>Primary Data Source</b>	<p>AHRQ NHQR/NHDR <a href="http://statesnapshots.ahrq.gov/snaps11/">http://statesnapshots.ahrq.gov/snaps11/</a>            → Click on Data Query.            → Under Choose Data, select State.            → Select Subject Area: Diseases &amp; Conditions.            → Select Topic: Respiratory Diseases.            → Select Measure: Hospital admissions for asthma per 100,000 population, ages 2-17 → Click “Get Data” and report the rate for the most recent year.</p>
<b>Other Recommended Data Source(s)</b>	State Data Sources using AHRQ Pediatric Quality Indicator definition and exclusions found at <a href="http://www.qualitymeasures.ahrq.gov/content.aspx?id=38549">http://www.qualitymeasures.ahrq.gov/content.aspx?id=38549</a>
<b>Format</b>	Rate per 100,000
<b>Notes</b>	<p>2-17 year olds.            Data not readily available at county level.            Additional pediatric asthma information found at <a href="http://www.ahrq.gov/research/findings/factsheets/children/chasthma/index.html">http://www.ahrq.gov/research/findings/factsheets/children/chasthma/index.html</a>.</p>

<b>Table 30: Children who are Obese</b>	
<b>Primary Data Source</b>	<p>Child Health Data <a href="http://childhealthdata.org/browse/survey?s=2">http://childhealthdata.org/browse/survey?s=2</a>            → In Section 1, select the National Survey of Children’s Health, the most current year, and the desired geography.            → In Section 2, choose “Physical and Dental Health”.            → In Section 3, select Indicator 1.4: Childhood weight status in 4 categories, age 10-17 → Report the % In the “Obese” column.            → Use “Edit Search Criteria” box on this page to obtain data by income, race/ethnicity, gender, and other characteristics.</p>

Table 30: Children who are Obese	
Other Recommended Data Source(s)	State Health Department Data
Format	Percent
Notes	10-17 year olds. Data, available at national and state levels, are stratified by age, gender, race, language, and income to allow for extrapolation.

## 6. Behavioral Health

Table 31: Adults with at least One Major Depressive Episode in the Past Year	
Primary Data Source	<p align="center"><u>STATE RATES</u></p> <p align="center">SAMHSA National Survey on Drug Use and Health  <a href="http://www.samhsa.gov/data/sites/default/files/NSDUHsaePercents2014.pdf">http://www.samhsa.gov/data/sites/default/files/NSDUHsaePercents2014.pdf</a>            → Table 26 → Report rate in 18+ (Estimate) column.</p>
Other Recommended Data Source(s)	<p align="center"><u>SUBSTATE/METRO RATES</u></p> <p align="center">SAMHSA National Survey on Drug Use and Health  <a href="http://www.samhsa.gov/data/population-data-nsduh/reports?tab=34">http://www.samhsa.gov/data/population-data-nsduh/reports?tab=34</a>  <a href="http://www.samhsa.gov/data/us_map?map=3">http://www.samhsa.gov/data/us_map?map=3</a></p>
Format	Percent
Notes	Data not available for all metro areas.

Table 32: Suicide Rate	
Primary Data Source	<p align="center">CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>            → Select “Detailed Mortality”.</p> <p>→ Under “1. Organize table layout” choose “group results by county” (and any other demographics required).            → Under “2. Select location” choose “States” and then select your state.            → Under sections 3, 4, &amp; 5, use default values.</p> <p>→ Under “6. Select cause of death” choose ICD-10 codes, and choose codes *U03, X60-X84, Y87.0.            → Click “Send” and report the rate for the desired county.</p> <p align="center">UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>            → Under Tools, select Community Health View.            → Under “Limit my search to” select only Counties.</p> <p>→ Under “Select a Theme or Topic” check Death Rate, Suicides, 2005-2009.            → Under “Select a group/category” select Rate per 100K.            → Roll over the county to show the rate.            → Indicator will appear in data table.</p>

Table 32: Suicide Rate	
Other Recommended Data Source(s)	AHRQ NHQR/NHDR <a href="http://statesnapshots.ahrq.gov/snaps11/">http://statesnapshots.ahrq.gov/snaps11/</a> → Click on Data Query → Select State. → Select Subject Area: Diseases & Conditions. → Select Topic: Mental Health and Substance Abuse. → Select Measure: Suicide deaths per 100,000 population. → Click “Get Data” and report the rate for the most recent year.
Format	Rate per 100,000
Notes	For less populated geographies, it may be necessary to choose 10-year data groups for data to be available.

Table 33: Binge Alcohol Use in the Past Month	
Primary Data Source	<u>STATE RATES</u> SAMHSA National Survey on Drug Use and Health <a href="http://www.samhsa.gov/data/sites/default/files/NSDUHsaePercents2014.pdf">http://www.samhsa.gov/data/sites/default/files/NSDUHsaePercents2014.pdf</a> → Table 10 → Report rate in 12+ (Estimate) column.
Other Recommended Data Source(s)	<u>SUBSTATE/METRO RATES</u> SAMHSA National Survey on Drug Use and Health <a href="http://www.samhsa.gov/data/population-data-nsduh/reports?tab=34">http://www.samhsa.gov/data/population-data-nsduh/reports?tab=34</a> <a href="http://www.samhsa.gov/data/us_map?map=3">http://www.samhsa.gov/data/us_map?map=3</a>
Format	Percent
Notes	Data not available for all metro areas.

Table 34: Drug Poisoning Mortality (i.e., drug overdose)	
Primary Data Source	CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a> → Select “Detailed Mortality”. → Under “1. Organize table layout” choose “group results by county” (and any other demographics required). Check “Age Adjusted Rate”. → Under “2. Select location” choose “States” and then select your state. → Under sections 3, 4, & 5, use default values. → Under “6. Select cause of death” choose ICD-10 codes, and use the control key to choose codes X40-X44, X60-X64, X85, Y10-Y14 (choose “open” to expand code groupings). → Click Send → Report data in “Age Adjusted Rate per 100,000” column.



Table 34: Drug Poisoning Mortality (i.e., drug overdose)	
<b>Other Recommended Data Source(s)</b>	UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a> → Under Tools, select Community Health View. → Under “Limit my search to” select only Counties. → Under “Select a Theme or Topic” check Death Rate, Drug Poisoning, 2007-2011. → Under “Select a group/category” select Rate per 100,000. → Roll over the county to show the rate. → Indicator will appear in data table.
<b>Format</b>	Rate per 100,000
<b>Notes</b>	Must be age-adjusted. For less populated geographies, it may be necessary to choose 10-year data groups for data to be available.

### Section III: Other Health and Access Indicators

Applicants must respond to two of the thirteen other health and access indicators. Applicants should choose indicators that best characterize the needs of the service area or target population.

Some of the indicators in the Other Health and Access Indicators section are only available at the county or state level. However, a number of them are reported by demographic factors, such as race/ethnicity, income, age, or gender. These can be used in combination with service area demographic data to extrapolate to the proposed service area and/or target population. Extrapolation techniques and guidelines are provided in the [Extrapolating Data to Describe Need](#) section.

#### 1. Age-adjusted Death Rate (per 100,000)

Table 35: Age-adjusted Death Rate (per 100,000)	
<b>Primary Data Source</b>	CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a> → Select “Compressed Mortality”. → Select “Mortality for 1999 – 2014 with ICD 10 codes”. → Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”. → Under “2. Select location” choose “States” and then select your state. → Under “3. Select years and demographics” use the shift key to choose the most recent 3 years under “Year”. → Under section 4 & 5, use default values. → Click Send → Report the rate in the “Age Adjusted Rate per 100,000” column.

Table 35: Age-adjusted Death Rate (per 100,000)	
<b>Other Recommended Data Source(s)</b>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <ul style="list-style-type: none"> <li>→ In the Explore Service Area tool, make sure the Map tab is selected for the view (not the Data tab).</li> <li>→ Under the Explore Service Area tool on the right menu, search/add selected service area zip code(s) in the “Search To Go or Select” field.               <ul style="list-style-type: none"> <li>→ Once all ZCTAs are selected, go to the Data tab.</li> </ul> </li> <li>→ Select the “Additional Population Data and Indicators” tab at the bottom of the screen.</li> <li>→ Scroll to the right and click on Age-Adjusted Mortality Rate (per 100,000).               <ul style="list-style-type: none"> <li>→ Indicator will appear in data table.</li> </ul> </li> </ul>
<b>Format</b>	Rate per 100,000
<b>Notes</b>	<p>Must be age-adjusted.</p> <p>For less populated geographies, it may be necessary to expand the selected range of years up to 10-year data groups for data to be available.</p>

## 2. HIV Infection Prevalence

Table 36: HIV Infection Prevalence	
<b>Primary Data Source</b>	<p>CDC HIV Surveillance Reports <a href="http://www.cdc.gov/hiv/library/reports/surveillance/index.html">http://www.cdc.gov/hiv/library/reports/surveillance/index.html</a></p> <ul style="list-style-type: none"> <li>→ Click on HIV Surveillance Reports → Select Current Issue: Diagnoses of HIV Infection in the United States and Dependent Areas, 2014.</li> <li>→ Go to Table 22 → Divide rate in Total column by 100,000 and then multiply by 100 to calculate percent.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Select County.</li> <li>→ Under Quality of Life, select Additional Health Outcomes → See HIV prevalence.               <ul style="list-style-type: none"> <li>→ Divide rate by 100,000 and then multiply by 100 to calculate percent.</li> </ul> </li> </ul> <p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <ul style="list-style-type: none"> <li>→ Under Tools, select Community Health View.</li> <li>→ Under “Limit my search to” select only Counties.</li> <li>→ Under “Select a Theme or Topic” check HIV Prevalence, Rate per 100,000, 2009.               <ul style="list-style-type: none"> <li>→ Under “Select a group/category” select Rate per 100,000 population.                   <ul style="list-style-type: none"> <li>→ Roll over the county to show the rate.</li> <li>→ Indicator will appear in data table.</li> </ul> </li> <li>→ Divide rate by 100,000 and then multiply by 100 to calculate percent.</li> </ul> </li> </ul>
<b>Format</b>	Percent
<b>Notes</b>	<p>CDC state and national data is available by race/ethnicity for most states.</p> <p>Rate per 100,000 must be converted to percentage to respond to the indicator.</p>

### 3. Percent Elderly

Table 37: Elderly	
<b>Primary Data Source</b>	American Community Survey on Fact Finder 2 <a href="http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml">http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml</a> → Click on Guided Search → Choose People → Under Topics, choose Age & Sex and then Age → Choose your desired Geographies → Under Search Results, choose Age & Sex → Scroll down in Table Viewer to 65 years and over.
<b>Other Recommended Data Source(s)</b>	CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a> → Select State → Select County → Select County Demographics.  County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a> → Select State → Select County → Select County Demographics. → See % 65 and older.
<b>Format</b>	Percent
<b>Notes</b>	65 and older.

### 4. Adult Asthma Hospital Admission Rate

Table 38: Adult Asthma Hospital Admission Rate	
<b>Primary Data Source</b>	State Data Sources  For National Data: HCUP <a href="http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E&amp;MAINSEL=AHRQ%20Quality%20Indicators">http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E&amp;MAINSEL=AHRQ%20Quality%20Indicators</a> Scroll down and select AHRQ Quality Indicators → QI Summary Tables → Indicator Selection: Detailed statistics (select most recent year) → Adult Asthma.
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4.
<b>Format</b>	Rate per 100,000
<b>Notes</b>	18 years and older. HCUP provides national rates available by age and gender to support extrapolation.

## 5. Chronic Obstructive Pulmonary Disease Hospital Admission Rate

Table 39: Chronic Obstructive Pulmonary Disease Hospital Admission Rate	
<b>Primary Data Source</b>	<p>State Data Sources</p> <p>For National Data: HCUP  <a href="http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E_&amp;MAINSEL=AHRQ%20Quality%20Indicators">http://hcupnet.ahrq.gov/HCUPnet.jsp?Id=EFF272FAADE64853&amp;Form=MAINSEL&amp;JS=Y&amp;Action=%3E%3ENext%3E%3E_&amp;MAINSEL=AHRQ%20Quality%20Indicators</a>            Scroll down and select AHRQ Quality Indicators → QI Summary Table.            → Indicator Selection: Detailed statistics (select most recent year).            → Chronic obstructive pulmonary disease (COPD).</p>
<b>Other Recommended Data Source(s)</b>	See <a href="#">alternate data source conditions</a> on page 4.
<b>Format</b>	Rate per 100,000
<b>Notes</b>	18 years and older. HCUP provides national rates available by age and gender to support extrapolation.

## 6. Influenza and Pneumonia Death Rate (3 year average)

Table 40: Influenza and Pneumonia Death Rate	
<b>Primary Data Source</b>	<p>CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a>            → Select “Compressed Mortality”.            → Select “Mortality for 1999 – 2014 with ICD 10 codes”.            → Under “1. Organize table layout” choose “group results by county” (and any other demographics required).            → Under “2. Select location” choose “States” and then select your state.            → Under “3. Select years and demographics” use the shift key to choose the most recent 3 years under “year”.            → Under “4. Select cause of death” choose ICD-10 codes J09-J18 (Influenza and pneumonia) (choose “open” to expand code groupings).            → Click Send and report the rate per 100,000.</p>
<b>Other Recommended Data Source(s)</b>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>            → Under Tools, select Community Health View.            → Under “Limit my search to” select only Counties.            → Under “Select a Theme or Topic” check Death Rate, Influenza and Pneumonia, 2007-2011 → Under “Select a group/category” select Rate per 100,000.            → Roll over the county to show the rate.            → Indicator will appear in data table.</p>
<b>Format</b>	Rate per 100,000
<b>Notes</b>	3 year average. For less populated geographies, it may be necessary to choose 10-year data groups for data to be available.

## 7. Adult Current Asthma Prevalence

Table 41: Adult Current Asthma Prevalence	
<b>Primary Data Source</b>	<p style="text-align: center;"><u>FOR COUNTY LEVEL DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) County Prevalence Data (2011 to 2012)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by county.</li> <li>→ In the Class column, click on the left menu icon to filter by Chronic Health Indicators.</li> <li>→ In the Topic column, click on the left menu icon to filter by Asthma.</li> <li>→ In the Question column, click on the left menu icon to filter by “Adults who have been told they currently have asthma”.</li> <li>→ In the Response column, click on the left menu icon to filter by “Yes”.</li> <li>→ Report the number in the Data_value column.</li> </ul> <p style="text-align: center;"><u>FOR SELECT METROPOLITAN AREA DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) MMSA Prevalence Data (2011 to present)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by metropolitan area → Follow the steps above.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p style="text-align: center;"><u>FOR STATE DATA</u></p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Click Go.</li> <li>→ Select Class: Chronic Health Indicators → Select Topic: Asthma.</li> <li>→ Select most recent year → Click Go.</li> <li>→ Scroll over the bar chart indicating Yes for “Adults who have been told they currently have asthma”.</li> </ul>
<b>Format</b>	Percent

## 8. Age Adjusted Unintentional Injury Deaths (per 100,000)

Table 42: Age Adjusted Unintentional Injury Deaths	
<b>Primary Data Source</b>	<p style="text-align: center;">CDC WONDER <a href="http://wonder.cdc.gov">http://wonder.cdc.gov</a></p> <ul style="list-style-type: none"> <li>→ Select “Detailed Mortality”.</li> <li>→ Under “1. Organize table layout” choose group results by county (and any other demographics required). Check “Age Adjusted Rate”.</li> <li>→ Under “2. Select location” choose “States” and then select your state.</li> <li>→ Under sections 3 &amp; 5, use default values.</li> <li>→ Under “4. Select year and month” use the shift key to choose the most recent 3 years.</li> <li>→ Under “6. Select cause of death” choose “Injury Intent and Mechanism” and under “Injury Intent” select “Unintentional”.</li> <li>→ Click Send and report the rate in the “Age Adjusted Rate per 100,000” column.</li> </ul>

Table 42: Age Adjusted Unintentional Injury Deaths	
Other Recommended Data Source(s)	CDC Web Based Injury and Statistics Query and Reporting System (WISQARS™) <a href="http://www.cdc.gov/injury/wisqars/index.html">http://www.cdc.gov/injury/wisqars/index.html</a>  CHSI <a href="http://wwwn.cdc.gov/CommunityHealth">http://wwwn.cdc.gov/CommunityHealth</a> → Select State → Select County → Under Mortality, select Unintentional injury.
Format	Rate per 100,000
Notes	Must be age-adjusted. For less populated geographies it may be necessary to choose 10-year data groups for data to be available.

## 9. Percent Population Linguistically Isolated

Table 43: Percent Population Linguistically Isolated	
Primary Data Source	American Community Survey on Fact Finder 2 <a href="http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml">http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml</a> → Click on Guided Search, then Get Me Started → Choose “I’m looking for information about people” → Under Topics, choose Language and then Language Spoken at Home → Choose your desired Geographies. → Click Next, then select “Skip This Step” on the next screen. → Under Search Results, choose Language Spoken at Home. → Report the percent of the Population 5 years and over in the “Speak English less than very well” column.
Other Recommended Data Source(s)	UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a> → Under Tools, select Community Health View. → Under “Limit my search to” select only Counties. → Under “Select a Theme or Topic” check American Community Survey (ACS) Five-Year Estimates, Language, 2010-2014. → Under “Select a group/category” select Percent Linguistically Isolated Households. → Roll over the county to show the rate. → Indicator will appear in data table.
Format	Percent
Notes	People 5 years and older who speak English less than very well.

## 10. Adults that Could Not See a Doctor in the Past Year Due to Cost

Table 44: Adults that Could Not See a Doctor in the Past Year Due to Cost	
<b>Primary Data Source</b>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <ul style="list-style-type: none"> <li>→ In the Explore Service Area tool, make sure the Map tab is selected for the view (not the Data tab).</li> <li>→ Under the Explore Service Area tool on the right menu, search/add selected service area zip code(s) in the “Search To Go or Select” field.</li> <li>→ Once all ZCTAs are selected, go to the Data tab.</li> <li>→ Select the “Additional Population Data and Indicators” tab at the bottom of the screen.</li> <li>→ Scroll to the right and click on Percent of adults who have delayed or not sought care due to high cost, est. 07-12.</li> <li>→ Indicator will appear in data table.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p><u>FOR STATE DATA</u></p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Click Go.</li> <li>→ Select Class: Health Care Access/Coverage → Select Topic: Health Care Cost.</li> <li>→ Select most recent year → Click Go.</li> <li>→ Scroll over the bar chart indicating Yes for the question “Was there a time in the past 12 months when you needed to see a doctor but could not because of cost?”</li> </ul>
<b>Format</b>	Percent
<b>Notes</b>	18 years and older.

## 11. Adults 65 and Older Who Have Not Had a Flu Shot in the Past Year

Table 45: Adults 65 and Older Who Have Not Had a Flu Shot in the Past Year	
<b>Primary Data Source</b>	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a></p> <ul style="list-style-type: none"> <li>→ Under Tools, select Community Health View.</li> <li>→ Under “Limit my search to” select only Counties.</li> <li>→ Under “Select a Theme or Topic” check Behavioral Risk Factor Surveillance System (BFRSS), Adults 65 and older with Flu Vaccine, 2006-2010.</li> <li>→ Under “Select a group/category” select Percentage 65+ with flu vaccine in past year → Roll over the county to show the percentage.               <ul style="list-style-type: none"> <li>→ Indicator will appear in data table.</li> <li>→ Subtract rate from 100 to calculate data response.</li> </ul> </li> </ul> <p style="text-align: center;"><u>FOR COUNTY LEVEL DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) County Prevalence Data (2011 to 2012)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by county.</li> <li>→ In the Class column, click on the left menu icon to filter by Immunization.               <ul style="list-style-type: none"> <li>→ In the Topic column, click on the left menu icon to filter by Flu Shot.</li> </ul> </li> <li>→ In the Question column, click on the left menu icon to filter by “Adults aged 65+ who have had a flu shot within the past year”.               <ul style="list-style-type: none"> <li>→ In the Response column, click on the left menu icon to filter by “No”.                   <ul style="list-style-type: none"> <li>→ Report the number in the Data_value column.</li> </ul> </li> </ul> </li> </ul> <p style="text-align: center;"><u>FOR SELECT METROPOLITAN AREA DATA</u></p> <p>BRFSS <a href="https://chronicdata.cdc.gov/health-area/behavioral-risk-factors">https://chronicdata.cdc.gov/health-area/behavioral-risk-factors</a></p> <ul style="list-style-type: none"> <li>→ Click on Dataset “Behavioral Risk Factors: Selected Metropolitan Area Risk Trends (SMART) MMSA Prevalence Data (2011 to present)”.</li> <li>→ In the Locationdesc column, click on the left menu icon to filter by metropolitan area → Follow the steps above.</li> </ul>
<b>Other Recommended Data Source(s)</b>	<p style="text-align: center;"><u>FOR STATE DATA</u></p> <p>BRFSS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a></p> <ul style="list-style-type: none"> <li>→ Select State → Click Go.</li> <li>→ Select Class: Immunization → Select Topic: Flu Shot.               <ul style="list-style-type: none"> <li>→ Select most recent year → Click Go.</li> </ul> </li> <li>→ Scroll over the bar chart indicating No for “Adults aged 65+ who have had a flu shot within the past year.”</li> </ul>
<b>Format</b>	Percent



## 12. Chlamydia (Sexually Transmitted Infection)

Table 46: Chlamydia (Sexually Transmitted Infection) Rate	
Primary Data Source	<p>CDC National Center for Hepatitis, HIV, STD, and TB Prevention  <a href="http://www.cdc.gov/nchhstp/">http://www.cdc.gov/nchhstp/</a>            → Under “Related Topics” select Sexually Transmitted Diseases.            → Under “Diseases &amp; Related Conditions” select Chlamydia.            → In the left menu under Chlamydia, select Statistics.            → Select STD Surveillance 2014 – Chlamydia.            → Select “Chlamydia by State” Table 2, “Chlamydia by Metropolitan Statistical Area” Table 6, or “Chlamydia by County” Table 9.</p>
Other Recommended Data Source(s)	<p>County Health Rankings <a href="http://www.countyhealthrankings.org/">http://www.countyhealthrankings.org/</a>            → Below the map, select Measure: Sexually Transmitted Infections → Select State.            → Click “Go” → Report number in “Chlamydia Rate” column.</p> <p>Health Indicators Warehouse (HIW)  <a href="http://www.healthindicators.gov/Indicators/Chlamydia-per-100000_20/Profile/ClassicData">http://www.healthindicators.gov/Indicators/Chlamydia-per-100000_20/Profile/ClassicData</a>            → Under “Table” tab, select State → Select County.            → Report rate for most recent year.</p>
Format	Rate per 100,000.

## 13. Percent of Adults Without a Visit to a Dentist or Dental Clinic in the Past Year for Any Reason

Table 47: Percent of Adults Without a Visit to a Dentist or Dental Clinic in the Past Year for Any Reason	
Primary Data Source	<p>UDS Mapper <a href="http://www.udsmapper.org">http://www.udsmapper.org</a>            → In the Explore Service Area tool, make sure the Map tab is selected for the view (not the Data tab) → Under the Explore Service Area tool on the right menu, search/add selected service area zip code(s) in the “Search To Go or Select” field.            → Once all ZCTAs are selected, go to the Data tab.            → Select the “Additional Population Data and Indicators” tab at the bottom of the screen.            → Scroll to the right and click on Percent of adults with no dental visit in the past year → Indicator will appear in data table.</p>
Other Recommended Data Source(s)	<p><u>FOR STATE DATA</u>            BRFS <a href="http://www.cdc.gov/brfss/brfssprevalence/">http://www.cdc.gov/brfss/brfssprevalence/</a>            → Select State → Click Go.            → Select Class: Oral Health → Select Topic: Dental Visit.            → Select most recent year → Click Go.            → Scroll over the bar chart indicating No for “Visited the dentist or dental clinic within the past year for any reason”.</p>
Format	Percent

## Extrapolating Data to Describe Need

The NFA instructions specify the level of data (service area or target population) to be reported for each measure based on application type (section 330 (e, g, h, or i)). When the data available through the recommended/available sources do not match the geographic units for the proposed service area or the characteristics of the proposed target population, the available data may be extrapolated to develop estimates that describe the area and/or population to be served.

For the purposes of the NFA, extrapolation is the process of using data that describes one population to estimate data for a comparable population, based on one or more common differentiating demographic characteristics. This process requires careful consideration of the nature of the measure and the available factors upon which it will be differentiated, as there is potential to introduce bias due to correlated factors that cannot be included in the extrapolation.

The requirements for extrapolation include:

- The measure is reported separately for different demographic groups.
- There are differences in the relative rates/percentages for the demographic groups (or the extrapolation will not alter the measure).
- The service area or target population can be quantified according to the same differentiating demographic characteristics.
- The demographic groups that the measure is reported on are conceptually similar to those groups in the service area or target population. For example, one would not want to extrapolate a diabetes rate using race if the black population in the service area was considerably younger than the overall black population for which the measure is reported.

Note that if portions of the service area fall into separate areas for which the measure is reported (e.g., different zip codes), the extrapolation must be done separately for each area for which the measure is reported, and then combined to show the overall rate for the area.

The following table provides examples of circumstances when the use of extrapolation is appropriate.







Because the service area/target Census tracts have a higher portion of people at the lower end of the income scale, and the uninsurance rate is higher among the lower income groups, the rate for percent uninsured in the targeted service area is estimated to be 14.6% compared to 9.8% for the county overall.

*Note: The calculations for an extrapolation to a specific target population (or for an extrapolation that includes both service area and target population estimates) involves changing only the values for the population to which the extrapolation is applied (columns d & e in the example above).*

Table 52 below combines the three steps taken above.

**Table 52: Steps 1, 2, and 3 Combined**

Demographic Differentiating Factor	Differentiated Measure at LARGER Geography (County)			TOTAL Population Within Service Area (Several Tracts within County)		Service Area Estimates of Measure	
	a	b	c (= a / b)	d	e (= d / sum of d)	c * d	c * e
<b>Poverty Ratio</b>	<i>Uninsured by Poverty Ratio in County</i>	<i>Total Population by Poverty Ratio in County</i>	<i>Percent Population Uninsured by Poverty Ratio in County</i>	<i>Population Count by Poverty Ratio in Service Area Census Tracts</i>	<i>Percent of Population by Poverty Ratio in Service Area Census Tracts</i>	<i>Estimates of Uninsured Population</i>	<i>Estimate of Uninsured by Percent of Total Pop</i>
Under 1.00 of poverty threshold	4,419	14,777	29.9%	4,293	14.4%	1,284	4.3%
1.00 to 1.99 of poverty threshold	7,004	28,173	24.9%	5,519	18.5%	1,372	4.6%
2.00 to 2.99 of poverty threshold	6,644	37,296	17.8%	5,042	16.9%	898	3.0%
3.00 to 3.99 of poverty threshold	4,756	46,751	10.2%	4,133	13.8%	420	1.4%
4.00 to 4.99 of poverty threshold	5,841	166,688	3.5%	10,906	36.5%	382	1.3%
<i>Totals</i>	28,664	293,685	<b>9.8%</b>	29,893		4,357	<b>14.6%</b>

The example above shows the general approach to extrapolation. By considering the sources of information available and the nature of the population you are trying to develop estimates for, one can adapt this approach to a variety of situations. A sample extrapolation worksheet to assist applicants in calculating extrapolated data is available at <http://bphc.hrsa.gov/programopportunities/fundingopportunities/nap>.

## Additional Data Resources

This section provides a listing of data sources that may be useful in completing the NFA worksheet. In addition, the Bureau of Primary Health Care's National Training and Technical Assistance Cooperative Agreement partners (NCAs) provide technical assistance and resources focused on migratory and seasonal agricultural workers, people experiencing homelessness, residents of public housing, and other vulnerable populations. For a complete listing of NCAs, refer to <http://bphc.hrsa.gov/qualityimprovement/strategicpartnerships/ncapca/natlagreement.html>.

### **National Center for Farmworker Health**

- The National Center for Farmworker Health's mission is to improve the health status of farm worker families through the provision of innovative training, technical assistance, and information services to migrant and community health centers. Their resource center and digital library collection include fact sheets, studies, survey data, and listings of various data resources specific to the migratory and seasonal agricultural worker populations.
- Source: <http://www.ncfh.org/>

### **National Coalition for the Homeless**

- The National Coalition for the Homeless' mission is to prevent and end homelessness while ensuring the immediate needs of those experiencing homelessness are met and their civil rights protected. The information clearinghouse includes fact sheets and publications addressing homeless-population specific data.
- Source: <http://www.nationalhomeless.org/publications/>

### **The Urban Institute**

- The Urban Institute's mission is to promote sound social policy and public debate on national priorities such as homelessness, and the link below connects to the collection of Urban Institute publications on homeless issues.
- Source: <http://www.urban.org/research-area/homelessness>

### **The U.S. Conference of Mayors Hunger and Homelessness Survey**

- This report contains data collected from 22 cities whose mayors serve on the Conference of Mayors Hunger and Homelessness Task Force. The report describes characteristics of the homeless population and contains city profiles.
- Source: <http://usmayors.org/pressreleases/uploads/2015/1221-report-hhreport.pdf>

### **U.S. Department of Health and Human Services Office of Minority Health (OMH) Resource Center**

- The OMH Resource Center offers a variety of information resources and publications related to the health status of racial and ethnic minority populations.
- Source: <http://www.minorityhealth.hhs.gov/omh/browse.aspx?lvl=1&lvlid=3>

### **U.S. Department of Housing and Urban Development (HUD) Annual Homeless Assessment Report to Congress**

- This report outlines the key findings of homelessness counts in the United States. The link provides access to the data and additional tools.
- Source: <https://www.hudexchange.info/hdx/guides/ahar/>