

DATA GUIDE



Anne Arundel County Department of Health

Office of Assessment, Planning and Response (OAPR)

July 2014

DATA GUIDE

A public health **Needs Assessment** includes the systematic collection and analysis of data to determine the current health status of the community. This guide includes resource links for health and population data organized by topic. Each major topic section includes a table of suggested resources as well as a list of common indicators with information about the data source and how to locate the data. **There are many more data sources and indicators available. You should also consider indicators from local data sources, special studies, and state and federal agencies, for example.**

Table of Contents	
Quick Reference List	
Chronic Conditions	Health Behaviors
Demographics	Infectious Disease
Economics	Mortality
Education	Natality
Environment	Violence & Injury

What to Consider

When reviewing indicators there are several questions to keep in mind, including:

- How has the indicator changed over time and how does this affect your program? Many public data sources are organized by year; you may need to gather and organize the annual data to determine changes over time.
- How does Anne Arundel County (or your service area) compare to other communities (or the state and nation)?
- Is the population reflective of any observed health trends?
- What indicators are missing? What else should you consider in your Needs Assessment?

Share what you find: Please contact OAPR if you identify a data resource that could be added to this document at X7280 or hdsing00@aacounty.org

QUICK REFERENCE LIST

Data Resource	Includes data available for:			Types of Data Included:											
	AA	MD	US	Chronic Conditions	Demographics	Economics	Education	Environment	Health Behaviors	Health Care Access & Insurance	Infectious Disease	Mortality	Natality	Preventive Care	Violence & Injury
Anne Arundel Crime Statistics http://www.aacounty.org/Police/crimeStats.cfm	●														●
Anne Arundel Adolescent Suicide Report http://www.ahealth.org/pdf/adol-suicide-report-9-10.pdf	●														●
Community Health Status Indicators (CHSA) http://wwwn.cdc.gov/CommunityHealth/HomePage.aspx	●			●				●	●	●	●	●	●	●	●
County Health Rankings http://www.countyhealthrankings.org/	●	●	●	●		●	●	●	●	●		●	●	●	●
DHMH Environmental Public Health Tracking http://eh.dhmd.gov/tracking/sitemap.htm	●	●		●				●							
DHMH Sexually Transmitted Infections (STI) statistics http://pha.dhmd.maryland.gov/OIDPCS/CSTIP/SitePages/sti-data-statistics.aspx	●	●									●				
EPA Data Finder http://www.epa.gov/data/	●	●	●					●							
EPA Superfund Sites http://www.epa.gov/reg3hwmd/super/md.htm	●	●	●					●							
Fatality Analysis Reporting System (FARS)	●	●	●									●			●

Data Resource	Includes data available for:			Types of Data Included:											
	AA	MD	US	Chronic Conditions	Demographics	Economics	Education	Environment	Health Behaviors	Health Care Access & Insurance	Infectious Disease	Mortality	Natality	Preventive Care	Violence & Injury
http://www.nhtsa.gov/FARS															
Health, United States, 2013, State Data http://www.cdc.gov/nchs/hus/state.htm		●	●							●		●	●	●	
Kaiser Foundation, State Health Facts http://www.statehealthfacts.org		●	●	●	●	●			●	●	●	●	●	●	●
Kids Count Data Center http://datacenter.kidscount.org	●	●	●		●	●	●		●	●		●	●	●	●
March of Dimes Peristats http://www.marchofdimes.com/peristats/	●	●	●										●		
Maryland Annual Vital Statistics Report http://dhmh.maryland.gov/vsa/SitePages/report_s.aspx	●	●			●							●	●		
Maryland Assessment Tool for Community Health (MATCH) http://matchstats.org	●	●		●	●					●	●	●	●		●
Maryland Cancer Report http://phpa.dhmh.maryland.gov/cancer/SitePages/surv_data-reports.aspx	●	●		●								●			
Maryland Cancer Survey http://phpa.dhmh.maryland.gov/cancer/SitePages/surv_data-reports.aspx#anch3		●							●	●				●	
Alcohol and Drug Abuse Administration http://adaa.dhmh.maryland.gov/SitePages/Data	●	●							●						

Data Resource	Includes data available for:			Types of Data Included:											
	AA	MD	US	Chronic Conditions	Demographics	Economics	Education	Environment	Health Behaviors	Health Care Access & Insurance	Infectious Disease	Mortality	Natality	Preventive Care	Violence & Injury
%20Reports.aspx															
Maryland Diabetes Surveillance Data http://apps.nccd.cdc.gov/ddtstrs/statePage.aspx?state=Maryland#HSD	●	●	●	●					●						
Maryland Health Enterprise Zones (HEZ) http://dhmh.maryland.gov/healthenterprisezones/SitePages/Home.aspx	●					●				●		●	●		
Maryland Medicaid eHealth Statistics http://chpdm-ehealth.org/index.htm	●	●		●					●	●				●	
Maryland Pregnancy Risk Assessment Monitoring System (PRAMS) http://www.marylandbrfss.org		●											●		
Maryland Report Card http://mdreportcard.org	●	●					●								
Maryland State Data Center http://www.mdp.state.md.us/msdc/S2_Estimate.shtml	●	●			●	●									
Maryland State Department of Education http://www.marylandpublicschools.org/MSDE	●	●					●								
National BFRSS http://www.cdc.gov/BRFSS	●	●	●	●					●	●				●	
National Highway Traffic Safety Administration http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/STSI/USA%20WEB%20REPORT.HTM	●	●										●			●

Data Resource	Includes data available for:			Types of Data Included:											
	AA	MD	US	Chronic Conditions	Demographics	Economics	Education	Environment	Health Behaviors	Health Care Access & Insurance	Infectious Disease	Mortality	Natality	Preventive Care	Violence & Injury
National Immunization Survey http://www.cdc.gov/vaccines/imz-managers/coverage/imz-coverage.html		●	●						●					●	
Pregnancy Risk Assessment Monitoring System (PRAMS) http://apps.nccd.cdc.gov/cPONDER/		●	●										●		
Scorecard http://scorecard.goodguide.com/	●	●	●					●							
U.S. Census Bureau http://www.census.gov	●	●	●		●	●	●			●					
Healthy Anne Arundel Coalition http://aahealth.org/chna	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

CHRONIC CONDITIONS

Suggested Data Sources

Data Source	Description	Data Source
DHMH Environmental Public Health Tracking	Web-based compilation of environmental and health databases	http://eh.dhmh.md.gov/tracking/sitemap.htm
Maryland Annual Vital Statistics Reports	State, region, and county data published by year	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx
DHMH Cancer Report (CRF Program)	State and county data published by year	http://phpa.dhmh.maryland.gov/cancer/SitePages/surv_data-reports.aspx
National BRFSS	Nationwide annual telephone health survey of adults; data is available for some counties (including Anne Arundel), and by state and nation and includes a variety of health-related topics	http://www.cdc.gov/BRFSS/

Common Indicators

Common Indicators	Data Source	Where to look
Deaths by select causes	Maryland Annual Vital Statistics Reports	Table 48
Chronic condition mortality rates	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx	Table 49
Cancer mortality rates	DHMH Cancer Report http://phpa.dhmh.maryland.gov/cancer/SitePages/surv_data-reports.aspx	Listed in many tables throughout the report
Asthma hospital discharges	Environmental Public Health Tracking http://eh.dhmh.md.gov/tracking/sitemap.htm	Use the "Query Tab" and select "Type of data"
Myocardial infarction discharges		
Existing and new diabetes cases	Maryland Diabetes Surveillance Data http://apps.nccd.cdc.gov/ddtstrs/statePage.aspx?state=Maryland%23HSD	For county data, select "Maps" under the "County" heading. Select the state and year of interest; the results will produce a map with the county data in a table below.
Adults with arthritis	National BRFSS	

Common Indicators	Data Source	Where to look
	<p>For State or U.S. Data: http://apps.nccd.cdc.gov/BRFSS/</p> <p>For County Data: http://www.marylandbrfss.org</p>	<p>For State or U.S. Data: Select the state or nationwide; select the year and category of interest; then select the question to view the data. Select the “View Trend Data” button to see results over time.</p> <p>For County Data:</p> <ol style="list-style-type: none"> 1. Select Maryland BRFSS 2. Select BRFSS Result Year 3. Select “your question” in Column Variable 4. Select “Demographics: County” in Row Variable 5. Select “Maryland Statewide” in Choose County 6. Click “Run Tabulate”
Adults with asthma		
Adults with cardiovascular disease		
Adults with high cholesterol		
Adults with diabetes		
Adults with disabilities		
Adults with high blood pressure		

DEMOGRAPHICS

Suggested Data Sources:

Data Source	Description	Data Source
Maryland Annual Vital Statistics Reports	State, region, and county data published by year	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx
Maryland State Data Center	Provides population estimates for the state, county and metropolitan areas; part of the U.S. Census Estimates data	http://www.mdp.state.md.us/msdc/S2_Estimate.shtml
American Community Survey	Ongoing survey to give communities info to plan investments and services. Available in 1-, 3-, and 5-year estimates for state, region, county, and by population groups, for example	http://www.census.gov/acs/www/
US Census Quick Facts	Data collected from multiple Census datasets by state, county, and some cities	http://quickfacts.census.gov/qfd/index.html
U.S. 2010 Census	2010 Census results	http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml

Common Indicators

Common Indicators	Data Source	Where to look
Population by race/ethnicity	U.S. 2010 Census*	In the “Quick Start” menu, enter “DP-1: Profile of General Population and Housing Characteristics”; for “Geography” enter “Anne Arundel County, MD”
Population by age	http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml	
Population by gender and age		
Population by race	Maryland Annual Vital Statistics Reports http://dhmh.maryland.gov/vsa/SitePages/reports.aspx The table numbers stay the same each year	Table 1
Population by age		Table 5a
Population by gender and age		Tables 5b, 5c
Population by race and age		Tables 2b, 2c, 2d; 5d, 5g
Population by gender and race		Table 3
Population by gender, race, and age		Tables 5e, 5f, 5h, 5i
Change in population over time		For entire state: Population Chart By County: Table 1, will need to view each year individually
Life expectancy		Life Expectancy Charts, Tables 6 and 7
Languages spoken at home		American Community Survey http://www.census.gov/acs/www/
Age dependency ratio	American Community Survey http://www.census.gov/acs/www/	Table S0101
Child dependency ratio		
Old-age dependency ratio		

ECONOMICS

Suggested Data Sources

Data Source	Description	Data Source
American Community Survey	Ongoing survey to give communities info to plan investments and services; available in 1-, 3-, and 5-year estimates for state, region, county, and by population groups for example	http://www.census.gov/acs/www/
US Census Fact Finder	Data collected from American Community Survey Datasets by state, county, and some cities	http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
	Data from the 2010 Census	http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
Maryland State Data Center	Mean and Median Household Income Estimates for a range of years	http://www.mdp.state.md.us/msdc/hhinc_median&mean.shtml

Common Indicators

Common Indicators	Data Source	Where to Look
Per capita income	American Community Survey, Fact Finder http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml	Enter "Anne Arundel" for "Get a Fact Sheet"
Median household income		
Household income ranges		Table S1901
Unemployment		Table S1701
Food stamps		Table S2201
Poverty		Table S1701
Ages 0-17 in poverty		
Ages 65+ in poverty		
Families below poverty level		Table 21702

EDUCATION

Suggested Data Sources

Data Source	Description	Data Source
Maryland State Department of Education	Several publications including the annual Fact Book	http://www.marylandpublicschools.org/MSDE
Maryland Report Card	Compiled annually, data available by state, county, and school level	http://mdreportcard.org
Kids Count Data Center	Anne E. Casey initiative with measures of child well-being, some data available by county	http://datacenter.kidscount.org/
American Community Survey	Ongoing survey to give communities info to plan investments and services. Available in 1-, 3-, and 5-year estimates for state, region, county, and by population groups, for example	http://www.census.gov/acs/www/
U.S. Census Quick Facts	Data collected from multiple Census datasets, by state, county, and some cities.	http://quickfacts.census.gov/qfd/index.html

Common Indicators

Common Indicators	Data Source	Where to Look
Public school enrollment by race/gender and special services	Maryland State Department of Education http://www.marylandpublicschools.org/MSDE/divisions/planningresultstest/prim_pubs.htm?WBCMODE=P%25%25%25%25	Select the school year of interest under “Student” Tab, select “Maryland Public School Enrollment by Race/Ethnicity and Gender Report”
	Maryland Report Card http://mdreportcard.org	Select “Demographics”
Non-public school enrollment	Maryland State Department of Education http://www.marylandpublicschools.org/MSDE/divisions/planningresultstest/prim_pubs.htm?WBCMODE=P%25%25%25%25	Select the school year of interest under “Student” tab, select “Nonpublic School Enrollment Report”

Common Indicators	Data Source	Where to Look
Children receiving special services	Maryland State Department of Education http://www.marylandpublicschools.org/MSDE/divisions/planningresultstest/prim_pubs.htm?WBCMODE=P%25%25%25%25	Select the school year of interest under “Student” tab, select “Maryland Special Education/Early Intervention Services Report”
	Maryland Report Card http://mdreportcard.org	Select “Demographics”, then “Other Supporting Facts”
Free and reduced price meals	Maryland State Department of Education http://www.marylandpublicschools.org/MSDE/programs/schoolnutrition/docs/Free+and+Reduced-Price+Meal+Data.html	Select the school year of interest
Suspension	Maryland State Department of Education http://www.marylandpublicschools.org/MSDE/divisions/planningresultstest/prim_pubs.htm?WBCMODE=P%25%25%25%25	Select the school year of interest under “Student” Tab; select the suspension report of interest (there are several)
	Kids Count Data Center http://datacenter.kidscount.org/data/bystate/stateprofile.aspx?state=MD&loc=3301	Select “Education” indicator
Graduation rate	Maryland Report Card http://mdreportcard.org	Select “Graduation”
Post-graduation plans		Select “Graduation”, then “Other Supporting Facts”
Population educational attainment	U.S. Census Quick Facts http://quickfacts.census.gov/qfd/states/24/24003.html	Look for percent of population age 25 and older that are high school graduates and with bachelor’s degrees in the table
Population enrolled in schools	American Community Survey http://www.census.gov/acs/www/	Table S1401

ENVIRONMENT

Suggested Data Sources

Data Source	Description	Data Source
Maryland Department of the Environment	Oversees MD air, water, and land resources; can find data and reports by program.	http://www.mde.state.md.us/Pages/Home.aspx
Scorecard	Uses government & scientific data about environmental quality & toxic chemicals at the county level; features comparison to all other counties.	www.scorecard.org
DHMH Environmental Public Health Tracking	Web-based compilation of environmental and health databases	http://eh.dhmh.md.gov/tracking/sitemap.htm
EPA – Superfund	Provides details for every proposed superfund site in Maryland, with the project status, contact information, and list of the actions taken	http://www.epa.gov/reg3hwmd/super/md.htm

Common Indicators

Common Indicators	Data Source	Where to Look
Air quality	www.scorecard.org	under “Air”
Childhood blood lead surveillance	Maryland Department of the Environment http://www.mde.maryland.gov/programs/land/leadpoisoningprevention/healthcareproviders/pages/programs/landprograms/leadcoordination/healthcare/index.aspx	Annual report for overall information, supplements present information by county
Drinking water quality	Anne Arundel Department of Public Works Annual Drinking Water Quality Report http://www.aacounty.org/DPW/Utilities/waterQuality.cfm	Archived reports are at: http://www.aacounty.org/DPW/Utilities/waterQualityArch.cfm
Superfund sites	http://www.epa.gov/reg3hwmd/super/md.htm	Select the sites of interest for project information
Toxic chemical releases	www.scorecard.org	Under “Toxics”

Tons of waste disposed and recycled	Anne Arundel Department of Public Works Solid Waste Management Plan 2013-2023 http://www.aacounty.org/DPW/WasteManagement/Resources/SWMP.pdf	Ten-year solid waste management plan
Water contaminants – MCL violation	DHMH Environmental Public Health Tracking http://eh.dhmh.md.gov/tracking/Query.aspx	Select “Query Fields”; not available by County, but is available by Water Plant City

HEALTH BEHAVIORS

Suggested Data Sources

Data Source	Description	Data Source
BRFSS	Nationwide annual telephone health survey of adults; data is available for some counties (including Anne Arundel), and by state and nation; includes a variety of health-related topics.	http://www.cdc.gov/BRFSS/
Maryland Cancer Survey	State survey on cancer screening, behavioral risk factors, and health care access (Funded by CRF)	http://phpa.dhmd.maryland.gov/cancer/SitePages/surv_data-reports.aspx#anch3
Alcohol and Drug Abuse Administration	State and county information about drug and alcohol use	http://adaa.dhmd.maryland.gov/SitePages/Data%20Reports.aspx

Common Indicators

Common Indicators	Data Source	Where to look
Alcohol consumption	<p>National BRFSS</p> <p>For State or U.S. Data: http://apps.nccd.cdc.gov/BRFSS/</p> <p>For County Data: http://www.marylandbrfss.org</p>	<p>For State or U.S. Data: Select the state or nationwide; select the year and category of interest; then select the question to view the data. Select the “View Trend Data” button to see results over time.</p> <p>For County Data:</p> <ol style="list-style-type: none"> 1. Select Maryland BRFSS 2. Select BRFSS Result Year 3. Select “your question” in Column Variable 4. Select “Demographics: County” in Row Variable 5. Select “Maryland Statewide” in Choose County 6. Click “Run Tabulate”

Common Indicators	Data Source	Where to look
Cholesterol screening	National BRFSS	<p>For State or U.S. Data: Select the state or nationwide; select the year and category of interest; then select the question to view the data. Select the “View Trend Data” button to see results over time.</p> <p>For County Data:</p> <ol style="list-style-type: none"> 1. Select Maryland BRFSS 2. Select BRFSS Result Year 3. Select “your question” in Column Variable 4. Select “Demographics: County” in Row Variable 5. Select “Maryland Statewide” in Choose County 6. Click “Run Tabulate
Cancer screening	For State or U.S. Data:	
Exercise and physical activity	http://apps.nccd.cdc.gov/BRFSS/	
Fruit and vegetable consumption		
Immunization		
Tobacco use	<p>For County Data: http://www.marylandbrfss.org</p>	
Alcohol and drug use for ages 12 and older	<p>National Survey on Drug Use and Health http://adaa.dhmh.maryland.gov/SitePages/Printed%20Publications.aspx</p>	Scroll through the presentation for county data about alcohol and drug use

INFECTIOUS DISEASE

Suggested Data Sources

Data Source	Description	Data Source
Maryland Annual Vital Statistics Reports	State, Region, and County level data published by year	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx
DHMH Sexually Transmitted Infections (STI) statistics	State and county data and maps for chlamydia, gonorrhea, and syphilis	http://phpa.dhmh.maryland.gov/OIDPCS/CSTIP/SitePages/sti-data-statistics.aspx

Common Indicators

Common Indicators	Data Source	Where to look
Deaths by select causes	Maryland Annual Vital Statistics Reports http://dhmh.maryland.gov/vsa/SitePages/reports.aspx	Table 48
STI cases and rates	DHMH Sexually Transmitted Infections (STI) statistics http://phpa.dhmh.maryland.gov/OIDPCS/CSTIP/SitePages/sti-data-statistics.aspx	Select disease of interest

MORTALITY

Suggested Data Sources

Data Source	Description	Data Source
Maryland Annual Vital Statistics Reports	State, region, and county data published by year	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx
National Highway Traffic Safety Administration (NHTSA)	Traffic fatality data; county-level data presented after summary state data including maps (Actual data is available through FARS)	http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/STSI/USA%20WEB%20REPORT.HTM

Common Indicators

Common Indicators	Data Source	Where to look
Total deaths	Maryland Annual Vital Statistics Reports	Table 39, 39b
Crude death rate	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx	Table 39a
Deaths rates for leading causes		Table 49
Age-adjusted death rates for leading causes		Table 50
Traffic fatalities	NHTSA http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/STSI/USA%20WEB%20REPORT.HTM	Select the state of interest; for Maryland, county data is presented after a summary of state statistics

NATALITY

Suggested Data Sources

Data Source	Description	Data Source
Maryland Annual Vital Statistics Reports	State, region, and county data published by year	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx
March of Dimes Peristats	National, state, and county natality statistics; data has a time lag , but is displayed over time and has graphing features	http://www.marchofdimes.com/peristats/
DHMH Environmental Public Health Tracking	Web-based compilation of environmental and health databases	http://eh.dhmh.md.gov/tracking/sitemap.htm

Common Indicators

Common Indicators	Data Source	Where to look
Total births	Maryland Annual Vital Statistics Reports http://dhmh.maryland.gov/vsa/SitePages/reports.aspx * The table numbers stay the same each year	Table 9a
Births by age and race/ethnicity of mother		Tables 11a
Birth rate (includes teen birth rate)		Table 11g
Birth rate by age/ethnicity of mother		Tale 11h
Fertility rate		Table 11g

Common Indicators	Data Source	Where to look
First trimester prenatal care by race		19a
Late or no prenatal care by race		19b
Low and very low birthweight births by race		21a, 21b
Births by birthweight by plurality and race		22
Births by birthweight and onset of prenatal care		20
Birth defects	DHMH Environmental Public Health Tracking http://eh.dhmh.md.gov/tracking/sitemap.htm	Select "Query Data" and then "Birth Defect Events" for the Type of Data; can select by county, year, race, and age of mother (will not display small numbers so results may be lacking data)
Preterm births and many other birth indicators	March of Dimes Peristats http://www.marchofdimes.com/peristats/	At the top of the menu on the left, choose "Maryland", and then select "Anne Arundel County" to see the data available; note that some of the data is presented as an average over time instead of the actual data for each year

VIOLENCE AND INJURY

Suggested Data Sources

Data Source	Description	Data Source
Maryland Annual Vital Statistics Reports	State, region, and county data published by year	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx
AADOH Adolescent Suicide Report	County data about self-injury, emergency evaluations, and school health room visits for adolescents	http://www.aahealth.org/pdf/adol-suicide-report-9-10.pdf
Anne Arundel Crime Statistics	Crime statistics by year and type of crime	http://www.aacounty.org/Police/crimeStats.cfm
National Highway Traffic Safety Administration (NHTSA)	Traffic fatality data; county-level data presented after summary state data including maps; actual data is available through FARS	http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/STSI/USA%20WEB%20REPORT.HTM

Common Indicators

Common Indicators	Data Source	Where to look
Adolescent deaths	Maryland Annual Vital Statistics Reports	Table 45
Deaths by selected causes	http://dhmh.maryland.gov/vsa/SitePages/reports.aspx	Table 48
Violent crimes	Anne Arundel Crime Statistics http://www.aacounty.org/Police/crimeStats.cfm	Select the link for the current year, or for five or ten year intervals
Adolescent self-injury	AADOH Adolescent Suicide Report http://www.aahealth.org/pdf/adol-suicide-report-9-10.pdf	Scroll through the document for county-level data
Traffic fatalities	NHTSA http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/STSI/USA%20WEB%20REPORT.HTM	Select the state of interest; for Maryland, county data is presented after a summary of state statistics