

MARYLAND FOOD SYSTEM MAP PROJECT: DATA AND SOURCES, 2016

This table shows the sources for the data used by the [Maryland Food System Map Project](#) database. This list is intended to help you find sources of information about the food system in your city, county, state or region. This data can be used for a food assessment of your community or to inform other planning projects or advocacy efforts of your food policy council.

The data used by the Maryland Food System Map Project comes from national and state sources while some of the datasets are created in house by Johns Hopkins Center for a Livable Future staff. The Maryland state sources provide an example of datasets that may be available from similar agencies or organizations in your state. More data than is listed below may be available from each agency and/or program/department. This table only shows the data used by the Maryland Food System Map Project database.

READILY AVAILABLE DATA

(*) next to indicates additional descriptive data available for each point location when downloading dataset.

NATIONAL

Topic	Data available (on map project website).	Main Source - Agency	Secondary - Program or Department	Agency Level	Geography
Demographics, Population	<ul style="list-style-type: none"> • % Population change • Population density 	The U.S. Census Bureau	Decennial Census	Federal	<ul style="list-style-type: none"> • State • County • Census tract
Demographics, Population, Housing, Economic	<ul style="list-style-type: none"> • Population estimates • % no vehicle available • Population living below FPL • Median household income 	The U.S. Census Bureau	American Community Survey (1yr, 3yr, 5yr estimates)	Federal	<ul style="list-style-type: none"> • State • County • Census tract
Health	<ul style="list-style-type: none"> • Community Health Centers 	U.S. Department of Health and Human Resources Services	Health Resources and Services Administration	Federal	<ul style="list-style-type: none"> • Point data
Economic, Agriculture, Nutrition	<ul style="list-style-type: none"> • Dollars spent by school districts on food • % of dollars spent by school districts on local foods 	USDA Food and Nutrition Service	Farm to School Census	Federal	<ul style="list-style-type: none"> • School district/county
Economic, Food access	<ul style="list-style-type: none"> • SNAP retailers 	USDA Food and Nutrition Service	SNAP Retail Locator	Federal	<ul style="list-style-type: none"> • Point data
Agriculture	<ul style="list-style-type: none"> • Crop and Livestock production • Economics (Market value, production expenses, Gov payouts, etc.) • Operator characteristics • Land use characteristics 	USDA National Agriculture Statistics Service	Census of Agriculture	Federal	<ul style="list-style-type: none"> • State • County • Congressional District

Agriculture	<ul style="list-style-type: none"> • Prime farmland 	USDA Natural Resources Conservation Service		Federal	<ul style="list-style-type: none"> • Polygon
Agriculture	<ul style="list-style-type: none"> • Plant hardiness zones 	USDA Agricultural Research Service		Federal	<ul style="list-style-type: none"> • Polygon
Environment	<ul style="list-style-type: none"> • Nutrient/Sediment yields from agriculture 	United States Geological Survey, Chesapeake Bay Program - SPARROW		Federal	<ul style="list-style-type: none"> • Polygon
Environment, Water	<ul style="list-style-type: none"> • % population on private well 	United States Geological Survey	Water Use in the U.S.	Federal	<ul style="list-style-type: none"> • County
Environment, Air	<ul style="list-style-type: none"> • Air quality <ul style="list-style-type: none"> ○ Ammonia from livestock ○ Ammonia from fertilizer ○ Particulate matter <2.5 	United States Environmental Protection Agency	National Emissions Inventory	Federal	<ul style="list-style-type: none"> • State • County
Environment	<ul style="list-style-type: none"> • Environmental Clean-up areas <ul style="list-style-type: none"> ○ Landfill methane outreach program ○ Brownfields ○ Hazardous waste corrective actions ○ Superfund NPL • 	United States Environmental Protection Agency	Clean Ups in your Community	Federal	<ul style="list-style-type: none"> • Point data
Infrastructure	<ul style="list-style-type: none"> • USDA certified slaughterhouses • USDA certified processing plants 	USDA Food Safety and Inspection Service	Meat, Poultry and Egg Inspection Directory	Federal	<ul style="list-style-type: none"> • Point*
Food Access	<ul style="list-style-type: none"> • Low Income and Low Access (Food Desert) 	USDA Economic Research Service	Food Access Research Atlas	Federal	<ul style="list-style-type: none"> • Census tracts
Food Access	<ul style="list-style-type: none"> • Food insecurity • Average price per meal • Percent of food insecure people eligible for SNAP 	Feeding America	Map the Meal Gap	Non Profit - National	<ul style="list-style-type: none"> • State • County • Congressional District
Food Access, Food Retail	<ul style="list-style-type: none"> • Limited Supermarket Access Areas 	The Reinvestment Fund	Policy Map	Non Profit – National	<ul style="list-style-type: none"> • Polygon

Food Access	<ul style="list-style-type: none"> • Summer meals sites • Number of children eligible for free and reduced price meals • Census area eligible for Summer Meals programs and Child and Adult Care Feeding Programs 	USDA Food and Nutrition Service	Capacity Builder	Federal	<ul style="list-style-type: none"> • Census block groups • Census tracts
Demographics, Income	<ul style="list-style-type: none"> • Cost of living measurement 	Center for Women's Welfare	Self Sufficiency Standard	University – National	<ul style="list-style-type: none"> • County (not all states have this measure available)
Schools	<ul style="list-style-type: none"> • K12 Schools <ul style="list-style-type: none"> ○ School locations ○ Total enrollment ○ Free and reduced price eligibility 	National Center for Education Statistics	Elementary / Secondary Information System	Federal	<ul style="list-style-type: none"> • State • County • District • School

STATE

Topic	Data available (on map project website).	Main Source - Agency	Secondary - Program or Department	Agency Level	Geography
Land and Environment	<ul style="list-style-type: none"> • Protected lands <ul style="list-style-type: none"> ○ Conservation easements ○ Environmental trust easements ○ Ag Land preservation easements ○ Rural legacy ○ Biodiversity Conservation Areas 	Maryland Department of Natural Resources	Land Acquisition and Planning	State	<ul style="list-style-type: none"> • Polygon
Aquaculture	<ul style="list-style-type: none"> • Public Shellfish Areas • Commercial/Oyster Landings 	Maryland Department of Natural Resources	Fisheries	State	<ul style="list-style-type: none"> • Polygon

Schools	<ul style="list-style-type: none"> • K12 Schools <ul style="list-style-type: none"> ○ CEP ○ % FARMS ○ Breakfast/lunch counts ○ Maryland Meals for Achievement ○ At-risk after school programs ○ Summer food service sites 	Maryland State Department of Education		State	<ul style="list-style-type: none"> • Point data
Agriculture, Land	<ul style="list-style-type: none"> • Best Management Practices (acres) <ul style="list-style-type: none"> ○ Conservation Tillage ○ Cover crops ○ Decision Agriculture ○ Nutrient Management on Pasture ○ Soil Conservation and Water Quality 	Maryland Department of Agriculture	Resource Conservation	State	<ul style="list-style-type: none"> • County
Agriculture, Land	<ul style="list-style-type: none"> • Maryland Agriculture Land Preservation Foundation 	Maryland Department of Agriculture	Agricultural Land Preservation Foundation	State	<ul style="list-style-type: none"> • Polygon
Agriculture, Infrastructure	<ul style="list-style-type: none"> • Certified on farm processors – chicken/ rabbit 	Maryland Department of Agriculture	Food and Feed Quality: Poultry and Rabbit Program	State	<ul style="list-style-type: none"> • Point data
Health	<ul style="list-style-type: none"> • Mortality rates 	Maryland Department of Health and Mental Hygiene	Vital Statistics Administration	State	<ul style="list-style-type: none"> • State • County
Food Access, Nutrition	<ul style="list-style-type: none"> • WIC program offices • WIC vendors • Average Monthly # SNAP Participants 	Maryland Department of Health and Mental Hygiene	(Need to contact for data)	State	<ul style="list-style-type: none"> • Point data
Health	<ul style="list-style-type: none"> • Obesity and Diabetes rates 	Maryland Department of Health and Mental Hygiene	Maryland Behavioral Risk Factor Surveillance System	State	<ul style="list-style-type: none"> • State • County
Community Resources	<ul style="list-style-type: none"> • Senior Centers 	Maryland Department of Aging		State	<ul style="list-style-type: none"> • Point data
Institutions, Community Resources	<ul style="list-style-type: none"> • Universities (public/private, 2yr/4yr) • University enrollment 	Maryland Higher Education Commission		State	<ul style="list-style-type: none"> • Point data*

Environment, Agriculture, Land	<ul style="list-style-type: none"> • Water quality assessments <ul style="list-style-type: none"> ○ Bacteria ○ Biological ○ Nutrient ○ Sediment • 	Maryland Department of the Environment	Water Programs	State	• Polygon
Environment, Agriculture, Land	<ul style="list-style-type: none"> • Land Restoration Program areas 	Maryland Department of the Environment: Land Programs	Land Programs: Brownfields	State	• Point data
Environment, Agriculture, Land	<ul style="list-style-type: none"> • Animal Feeding Operations 	Maryland Department of the Environment	Land Programs: Recycling and Operations Program	State	• Point data*
Food Access, Nutrition assistance	<ul style="list-style-type: none"> • % SNAP Participation • % SNAP Participation among Low Income 	Maryland Hunger Solutions	(Need to contact for data)	State - Community Org	• County
Food retail	<ul style="list-style-type: none"> • Farmers markets • Farmers markets that accept SNAP/WIC 	Maryland Farmers Market Association		State - Community Org	• County
Food Access, Food retail	<ul style="list-style-type: none"> • Baltimore City Carryouts 	Baltimore City Health Department	(Need to contact for data)	City	• Point data

DATA COMPILED IN HOUSE

Topic	Data available on map project website	Source	Data available by
Agriculture	<ul style="list-style-type: none"> • Farms selling locally 	<ul style="list-style-type: none"> • Maryland's Best • Local Harvest • MDA Buyer/Grower directory • County Ag websites • Staff internet research 	• Point data*

Infrastructure	<ul style="list-style-type: none"> • Distribution warehouses • Processing facilities 	<ul style="list-style-type: none"> • County health departments • Maryland Department of Health and Mental Hygiene <ul style="list-style-type: none"> ◦ Center for Food Processing ◦ Division of Milk Control • Maryland Department of Agriculture <ul style="list-style-type: none"> ◦ Egg distributors/packers ◦ Chicken/rabbit processors • USDA Center for food safety and applied nutrition <ul style="list-style-type: none"> ◦ Interstate Milk Shippers • USDA FSIS <ul style="list-style-type: none"> ◦ Meat, Poultry and Egg Inspection directory • Staff research 	<ul style="list-style-type: none"> • Point data*
Food access, food retail	<ul style="list-style-type: none"> • Supermarkets • Small Grocery/Corner stores • Convenience stores 	<ul style="list-style-type: none"> • The Reinvestment Fund • USDA FNS SNAP retailer locator • Staff internet research 	<ul style="list-style-type: none"> • Point data*
Food access, hunger	<ul style="list-style-type: none"> • Pantry and Free Meal Sites 	<ul style="list-style-type: none"> • Baltimore City Planning Department • Maryland Department of Human Resources Service Action and Information Link • Baltimore Orchard project • Family League of Baltimore City • End Hunger Calvert County • Maryland Food Bank • United Way of Central MD • Staff internet research 	<ul style="list-style-type: none"> • Point data*
Food retail	<ul style="list-style-type: none"> • Fast Food Restaurants 	<ul style="list-style-type: none"> • Internet research - Individual fast food restaurant websites 	<ul style="list-style-type: none"> • Point data
Food access	<ul style="list-style-type: none"> • Baltimore City Food Deserts 	<ul style="list-style-type: none"> • CLF research 	<ul style="list-style-type: none"> • Polygon
Institutions, health	<ul style="list-style-type: none"> • Hospitals 	<ul style="list-style-type: none"> • Maryland Hospitals Association • Department of Health and Mental Hygiene 	<ul style="list-style-type: none"> • Point data*
Community resources	<ul style="list-style-type: none"> • Community Kitchens • Cooking Classes • Nutrition Classes • Public Libraries • Recreation Centers 	<ul style="list-style-type: none"> • Internet research - Individual organization websites 	<ul style="list-style-type: none"> • Point data*