Baltimore City, MD

Food Systems Profile

These county profiles present the data compiled by the Maryland Food System Map Project, at the Johns Hopkins Center for a Livable Future. They are intended to be used for education, research, policy development, and community organizing purposes. For more information go to: www.mdfoodsystemmap.org.

Demographics

<table>
<thead>
<tr>
<th>DEMOGRAPHICS</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population, 2011a</td>
<td>619,493</td>
<td>5,828,289</td>
<td>10.63%</td>
<td>4</td>
</tr>
<tr>
<td>Population Change, 2000-2010b</td>
<td>-4.6%</td>
<td>9.0%</td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>Number of Households, 2011a</td>
<td>238,959</td>
<td>2,128,377</td>
<td>11.23%</td>
<td>4</td>
</tr>
<tr>
<td>Population Density (People / Square Mile), 2010b</td>
<td>7,671.87</td>
<td>594.77</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Non-Hispanic, 2007-11 ACS Five-Year Estimatea</td>
<td>96.1%</td>
<td>92.1%</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>• White Alone</td>
<td>28.1%</td>
<td>55.2%</td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>• Black or African American Alone</td>
<td>63.5%</td>
<td>29.0%</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Hispanic (any race), 2007-11 ACS Five-Year Estimate</td>
<td>3.9%</td>
<td>7.9%</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Median Household Income, 2010b</td>
<td>$40,100</td>
<td>72,419</td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>Households Below 185% of Federal Poverty Level, 2011c</td>
<td>52.74%</td>
<td>10.47%</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Unemployment, August 2013c</td>
<td>10.3%</td>
<td>6.7%</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Self-Sufficiency Standard (2 Adults, 2 School-Age Children), 2012c</td>
<td>$51,466</td>
<td>(U)</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Health Statistics

<table>
<thead>
<tr>
<th>HEALTH STATISTICS</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Mortality / 100,000 Population (Age-Adjustedc)</td>
<td>1001.8</td>
<td>732.50</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Heart Disease Mortality / 100,000 Population (Age-Adjusted)</td>
<td>250.9</td>
<td>181.6</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Diabetes Mortality / 100,000 Population (Age-Adjusted)</td>
<td>42.04</td>
<td>20.4</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Rate of Obesitya</td>
<td>30.76%</td>
<td>27.61%</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Rate of Diabetesa</td>
<td>14.00%</td>
<td>10.39%</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>
### Food Availability

#### Food Stores by Type

- Supermarkets: 64 (15.6%)
- Convenience: 85 (26.4%)
- Corner Stores: 505 (16.1%)
  - Behind Glass Corner Stores: 139 (4.7%)
- Other Superettes: 208 (6.8%)
- International Food Stores: 14 (0.5%)
- Other: 85 (2.8%)

#### Total Number of Food Stores

- Baltimore City: 1086
- Maryland: 3604
- % of MD Total: 30.13%
- County Ranking: 1

#### Number of Supermarkets

- Baltimore City: 64
- Maryland: 602
- % of MD Total: 10.63%
- County Ranking: 4

#### Supermarkets / 1,000 population

- Baltimore City: 0.10
- Maryland: 0.10
- County Ranking: 12

#### Supermarkets (# supermarkets / total food stores)

- Baltimore City: 5.81%
- Maryland: 16.65%
- County Ranking: 23

#### Number of small food stores

- Baltimore City: 937
- Maryland: 2516
- % of MD Total: 37.24%
- County Ranking: 1

#### Small food stores / 1,000 population

- Baltimore City: 1.51
- Maryland: 0.43
- County Ranking: 1

#### Number of Convenience stores (Chains, Drug Stores, Gas Stations)

- Baltimore City: 264
- Maryland: 1169
- % of MD Total: 22.58%
- County Ranking: 1

#### Number of Superettes (#Mom and Pop stores, corner stores)

- Baltimore City: 559
- Maryland: 1142
- % of MD Total: 57.71%
- County Ranking: 1

#### Number of Corner Stores

- Baltimore City: 505
- Maryland: 505
- County Ranking: 1

#### Number of Behind Glass Corner Stores

- Baltimore City: 139
- Maryland: 139
- County Ranking: 1

#### Number of International Food Stores

- Baltimore City: 14
- Maryland: 205
- % of MD Total: 6.83%
- County Ranking: 1

#### Number of Other Food Stores

- Baltimore City: 85
- Maryland: 486
- % of MD Total: 17.49%
- County Ranking: 1

#### Number of Fast Food Chain Restaurants

- Baltimore City: 208
- Maryland: 1757
- % of MD Total: 11.84%
- County Ranking: 3

#### Fast Food Chain Restaurants / 1,000 population

- Baltimore City: 0.34
- Maryland: 0.30
- County Ranking: 11

### Food Availability - Food Access

#### Households without Vehicle

- Baltimore City: 31.1%
- Maryland: 9.30%
- % of MD Total: 1

#### Population living in a Baltimore Food Desert

- Baltimore City: 20.00%
- Maryland: (U)
- % of MD Total: (U)

#### Population in Designated Limited Supermarket Access Area

- Baltimore City: 29.58%
- Maryland: 10.42%
- % of MD Total: 1

#### Population that is Food Insecure

- Baltimore City: 22.9%
- Maryland: 13.4%
- % of MD Total: 1

#### Average Cost of a Meal ($)

- Baltimore City: $2.84
- Maryland: (U)
- % of MD Total: 12

### Food Availability - Nutrition Assistance

#### Average Number of Monthly SNAP Participants, 2011

- Baltimore City: 190,657
- Maryland: 645,347
- % of MD Total: 29.54%
- County Ranking: 1

#### Population Participating in SNAP, 2011

- Baltimore City: 30.7%
- Maryland: 11.2%
- % of MD Total: 1

#### SNAP Participation Among Low-Income Residents

- Baltimore City: 84.3%
- Maryland: (U)
- % of MD Total: 3

#### Number of SNAP Authorized Stores

- Baltimore City: 922
- Maryland: 3,559
- % of MD Total: 25.91%
- County Ranking: 1

#### Number of SNAP Authorized Stores / 1,000 population

- Baltimore City: 1.48
- Maryland: 0.62
- % of MD Total: 1

#### Students Free-Lunch Eligible, 2009

- Baltimore City: 76.66%
- Maryland: (U)
- % of MD Total: 1

#### Number of Pantry & Free Meal Sites

- Baltimore City: 208
- Maryland: 974
- % of MD Total: 21.36%
- County Ranking: 1
Urban Agriculture

<table>
<thead>
<tr>
<th>URBAN AGRICULTURE - GENERAL CHARACTERISTICS</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Urban Farms(^1)(^4)(^5)</td>
<td>15</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Number of Baltimore Farm Alliance Members(^6)</td>
<td>11</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Number of Farms with Laying Hens</td>
<td>3</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Number of Farms with Honey Bees</td>
<td>7</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Number of Farms Raising Fish</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Number of Farms Growing Fruit</td>
<td>7</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Number of Farms Growing Vegetables</td>
<td>9</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>URBAN AGRICULTURE - LOCAL FOOD</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Farmers Markets, 2013(^7)</td>
<td>19</td>
<td>163</td>
<td>11.66%</td>
<td>2</td>
</tr>
<tr>
<td>Total Number of Urban Farms Selling Locally, 2012(^8)</td>
<td>15</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Urban Farms that are Certified Organic</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Urban Farms that sell at farmers markets</td>
<td>11</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Urban Farms that Sell at Farm Stands(^9)</td>
<td>8</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Urban Farms that Sell Through Wholesale(^10)</td>
<td>9</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Products on Urban Farms
(by number of farms)

- Vegetables: 9
- Fruit: 7
- Fish: 1
- Honey Bees: 7
- Laying Hens: 3
### Processing and Distribution

<table>
<thead>
<tr>
<th>PROCESSING AND DISTRIBUTION轶</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Food Processing Facilities*</td>
<td>76</td>
<td>1111</td>
<td>6.84%</td>
<td>4</td>
</tr>
<tr>
<td>• Number of Canneries</td>
<td>14</td>
<td>130</td>
<td>10.77%</td>
<td>2</td>
</tr>
<tr>
<td>• Number of Facilities that Process Dairy</td>
<td>14</td>
<td>130</td>
<td>10.77%</td>
<td>2</td>
</tr>
<tr>
<td>• Number of Facilities that Process Eggs</td>
<td>0</td>
<td>358</td>
<td>0.00%</td>
<td>24</td>
</tr>
<tr>
<td>• Number of Facilities that Process Seafood</td>
<td>6</td>
<td>196</td>
<td>3.06%</td>
<td>11</td>
</tr>
<tr>
<td>• Number of Facilities that Process Meat</td>
<td>26</td>
<td>199</td>
<td>13.07%</td>
<td>1</td>
</tr>
<tr>
<td>Animal Slaughter Facilities*</td>
<td>0</td>
<td>51</td>
<td>0.00%</td>
<td>19</td>
</tr>
<tr>
<td>• Number of Facilities that Slaughter Hogs</td>
<td>0</td>
<td>12</td>
<td>0.00%</td>
<td>8</td>
</tr>
<tr>
<td>• Number of Facilities that Slaughter Cattle</td>
<td>0</td>
<td>17</td>
<td>0.00%</td>
<td>9</td>
</tr>
<tr>
<td>• Number of Facilities that Slaughter Poultry</td>
<td>0</td>
<td>34</td>
<td>0.00%</td>
<td>16</td>
</tr>
<tr>
<td>Distribution and Storage Facilities*</td>
<td>59</td>
<td>727</td>
<td>8.12%</td>
<td>4</td>
</tr>
<tr>
<td>• Number of Distributors that Source Locally</td>
<td>0</td>
<td>65</td>
<td>0.00%</td>
<td>19</td>
</tr>
</tbody>
</table>

### Environment

<table>
<thead>
<tr>
<th>ENVIRONMENT - LAND PRESERVATION</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maryland DNR and Conservation Easements, Total Acreage*</td>
<td>0.00</td>
<td>541,876.73</td>
<td>0.00%</td>
<td>24</td>
</tr>
<tr>
<td>MALPF Easements, Total Acreage*</td>
<td>0.00</td>
<td>279,223.00</td>
<td>0.00%</td>
<td>24</td>
</tr>
<tr>
<td>Maryland Environmental Trust Easements, Total Acreage*</td>
<td>35.71</td>
<td>128,238.77</td>
<td>0.03%</td>
<td>24</td>
</tr>
<tr>
<td>Maryland Rural Legacy Properties, Total Acreage*</td>
<td>0.00</td>
<td>77,978.01</td>
<td>0.00%</td>
<td>24</td>
</tr>
<tr>
<td>Maryland Rural Legacy Areas, Total Acreage*</td>
<td>0.00</td>
<td>885,463.97</td>
<td>0.00%</td>
<td>24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENVIRONMENT - AIR AND WATER QUALITY</th>
<th>Baltimore City</th>
<th>Maryland</th>
<th>% of MD Total</th>
<th>County Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia* from Fertilizer Application (Tons)*</td>
<td>63.52</td>
<td>5,890.13</td>
<td>1.08%</td>
<td>19</td>
</tr>
<tr>
<td>Ammonia from Livestock Waste (Tons)*</td>
<td>491.66</td>
<td>25,957.99</td>
<td>1.89%</td>
<td>17</td>
</tr>
<tr>
<td>Airborne PM* from Crop and Livestock Dust (Tons)*</td>
<td>0.00</td>
<td>2,829.98</td>
<td>0.00%</td>
<td>24</td>
</tr>
<tr>
<td>Total Number of Watersheds*</td>
<td>5</td>
<td>123</td>
<td>2.46%</td>
<td>21</td>
</tr>
<tr>
<td>• Number in Good Health*</td>
<td>0</td>
<td>2</td>
<td>0.00%</td>
<td>4</td>
</tr>
<tr>
<td>• Number in Fair Health</td>
<td>1</td>
<td>59</td>
<td>1.01%</td>
<td>21</td>
</tr>
<tr>
<td>• Number in Poor Health</td>
<td>4</td>
<td>62</td>
<td>3.96%</td>
<td>13</td>
</tr>
</tbody>
</table>
Footnotes

1. 185% of the Federal Poverty Level, an eligibility criterion for federal food supplement programs, varies by household size. For an individual in 2013, it is $21,256.56, and for a family of 4, it is $43,567.56.
2. The Self-Sufficiency Standard determines the amount of income required for working families to meet basic needs at a minimally adequate level, taking into account family composition, ages of children, and geographic differences in costs. Study conducted by the Center for Women’s Welfare.
3. The “Small Food Stores” category in this chart includes small-format stores in the following categories: convenience stores (gas station and chain stores), superettes (natural/gourmet, small groceries, corner stores, and behind-glass corner stores), and international food stores.
4. “Superettes,” sometimes called “mom & pop” stores or corner stores, carry a basic, narrow selection of food items. They tend to have few if any service departments, and have annual food sales of less than $2 million.
5. “Corner Stores” are non-chain Superettes in Baltimore City that sell a limited selection of non-perishable food items, typically operated by the owner or the owners’ family members or friends.
6. “Behind Glass Corner Stores” are characterized by having barriers of Plexiglas walls separating the consumer on one side from the retail items and owner/workers on the other side.
7. “Other Food Stores” include Conventional Club stores (i.e. BJ’s), Military Commissaries, and Supercenters (i.e. Wal-Mart).
8. Baltimore Food Deserts are defined by CLF as a city block where the distance to a supermarket is >¼ mile, the median household income is at or below 185% of the Federal Poverty Level, over 40% of households have no vehicle available, and the average Healthy Food Availability Index score for all food stores is low.
9. Limited Supermarket Access (LSA) areas were developed by The Reinvestment Fund (TRF). They are areas where residents travel longer distances to reach a supermarket when compared to the average distance traveled of non-low/moderate income areas.
10. USDA Food Deserts are defined as low-income census tracts where residents are >0.5 miles (urban) or >10 miles (rural) from the nearest supermarket.
11. USDA defines food security as having “consistent, dependable access to enough food for an active, healthy life for all household members.” Households that are food insecure do not have consistent, dependable access due to a lack of money and other resources.
12. The average dollar amount spent on food/week by food secure individuals is divided by 21 (3 meals per day x 7 days per week) weighted by the “cost-of-food index” to derive a localized estimate. Food expenditures for food secure individuals were used to ensure that the result best reflected the cost of an adequate diet.
13. The National School Lunch Program (NSLP) provides per meal cash reimbursements to schools as an entitlement to provide nutritious meals to children. Student eligibility is dependent on household income level.
14. Farms that grow food in Baltimore City. These farms range in size and by type of products produced, and by farming practices. They differ from community gardens, as the food is grown for sale, not personal consumption.
15. A network of farmers in Baltimore City who share resources and abide by a set of common farm practices and standards.
16. Urban Farms in Baltimore City that grow and sell food locally in some manner. The list is derived from online research, last updated in summer 2013.
17. These farms sell their products at the site of production.
18. These farms sell their products to a business, such as a restaurant or grocer, to be retailed by others.
19. Categories of food processing facilities, slaughter facilities, and distribution and storage facilities are neither mutually exclusive nor an exhaustive list or every possible type of facility.
20. A “Deed of Conservation Easement” is a legal agreement between a landowner and a land trust (such as Maryland Environmental Trust, within Maryland Department of Natural Resources (DNR)), which restricts the future uses of the landowner’s property. It applies to all future owners of the property and often limits such things as the amount of subdivision, or the number of houses that may be built.
21. The Maryland Agricultural Land Preservation Foundation (MALPF) purchases agricultural preservation easements that forever restrict development on prime farmland and woodland.
22. The Maryland Environmental Trust is a statewide land trust with a mission to provide landowners with information and tools to permanently protect natural, historic and scenic resources in the state.
23. Maryland’s Rural Legacy Program provides funding to preserve large, contiguous tracts of land and to enhance natural resource, agricultural, forestry and environmental protection while supporting a sustainable land base for natural resource based industries.
24. Ammonia (NH3) is a chemical present in the chemical fertilizers used in agriculture. Ammonia is also produced naturally from decomposition of organic matter, including plants, animals and animal wastes.
25. Data for crop and livestock dust emissions of Particulate Matter <2.5 microns (PM2.5).
26. The number of watersheds comprises all watersheds present in the county, including those that cross county borders.

Symbols

(U) Data unavailable
* Many Maryland counties (and Baltimore City) do not have any data or locations in this category, making the County Ranking for this category deceptively high for counties that have a value of 0. For example, there are only 4 dairy cow CAFOs in Maryland so any county with 0 CAFOs is tied for 5th place.
† Data available for Baltimore City only