

Sanitation is an important determinant of general public health and, therefore, is an important component of quality of life. BNIA-JFI currently tracks two indicators that measure the cleanliness of Baltimore City: the rate of dirty streets and alleys and the rate of clogged storm drains. The data analyzed by BNIA-JFI originate as calls for service requests, which occur when residents, employees of businesses, City employees, or anyone calls the City's 311 line, utilizes the new 311 mobile phone application, or files a request for service on the City's website to report a wide variety of incidents or problems ranging from piles of trash to broken street lights to potholes to broken equipment at a public park. While these indicators may be a sign of Baltimore's cleanliness, the data may also indicate greater resident knowledge of the City's public services and resident involvement in neighborhood conditions and issues.

From 2002 to 2010, both the rate of reported dirty streets and alleys and the rate of clogged storm drains increased in Baltimore City. This increase may be due to either a greater number of residents reporting incidents or to residents making repeated calls reporting these incidents.

All sanitation data for Vital Signs indicators are provided by the Baltimore CitiStat. BNIA-JFI normalizes this data by population to establish rates. Normalizing data allows for the rates to reflect the concentration of the issue relative to the population in the area and allows for comparison between areas of different populations. A summary of these crime and safety indicators and their change over the past several years is described below.

In 2010, BNIA-JFI was unable to analyze the rate of reported rat incidents in Baltimore City and its neighborhoods. Unfortunately, one of the inputs into this indicator (provided by the City Health Department) to CitiStat is no longer available. This means that the indicator as currently available is not consistent with previous years of data and we therefore have elected to not provide this indicator for 2010.

### Rate of Dirty Streets and Alleys

- Since 2002, the reported rate of dirty streets and alleys in Baltimore City has increased from 6.1 reported incidents per 1,000 persons to 75.8 reported incidents per 1,000 persons for an increase of nearly 70 incidents per 1,000 persons.
- The reported rate of dirty streets and alleys in Baltimore City increased by 16.3 incidents per 1,000 persons from 59.5 in 2009 to 75.8 in 2010.
- A nearly equal number of Baltimore CSAs experienced increased reports of dirty streets and alleys and decreased reports of dirty streets and alleys in 2010, with 27 CSAs having a higher number of reported incidents per 1,000 persons and 26 CSAs had a lower number of reported incidents per 1,000 persons than in 2009.

- The largest decreases in reported dirty streets and alley incidents from 2009 to 2010 occurred in Upton/Druid Heights, Greater Mondawmin, and South Baltimore.
- The largest increases in reported dirty streets and alley incidents from 2009 to 2010 occurred in Madison/East End, Patterson Park North and East, and Southwest Baltimore.

### Rate of Clogged Storm Drains

- The rate of clogged storm drains in Baltimore City has remained nearly steady at 3.7 reported incidents per 1,000 persons in 2002 to 4.9 reported incidents per 1,000 persons in 2010.
- The reported rate of clogged storm drains in Baltimore City has increased by less than 1 reported incident (0.6) per 1,000 persons from 4.3 in 2009 to 4.9 in 2010.
- Similar to the rate of dirty streets and alleys, the number of reported clogged storm drains per 1,000 persons has increased in 27 CSAs and decreased in 26 of the CSAs from 2009 to 2010.
- CSAs that experienced the greatest decrease in clogged storm drains from 2009 to 2010 include Mt. Washington/Coldstream, Forest Park/Walbrook, and Morrell Park/Violetville.
- From 2009 to 2010, the CSAs with the greatest increases in reported clogged storm drains were Greenmount East, Orangeville/East Highlandtown, and Patterson Park North and East.

Vital Signs 10 Summary				
Indicator	2002 to 2010		2009 to 2010	
	Decreases	Increases	Decreases	Increases
Dirty Streets and Alleys	None	1. Madison/East End 2. Patterson Park North & East 3. Southwest Baltimore	1. Upton/Druid Heights 2. Greater Mondawmin 3. South Baltimore	1. Madison/East End 2. Patterson Park North & East 3. Southwest Baltimore
Clogged Storm Drains	1. Mt. Washington/Coldspring 2. Upton/Druid Heights 3. Highlandtown	1. Greenmount East 2. Madison/East End 3. Southeastern	1. Mt. Washington/Coldspring 2. Forest Park/Walbrook 3. Morrell Park/Violetville	1. Greenmount East 2. Orangeville/East Highlandtown 3. Patterson Park North & East

## Rate of Dirty Streets and Alleys (per 1,000 Residents)

The number of reported incidents of dirty streets and alleys per 1,000 residents (as reported by 2000 and 2010 Census).  
Source: Baltimore CitiStat

Community Statistical Area (CSA)	2002	2003	2004	2005	2006	2007	2008	2009	2010*	09-10 Change	02-10 Change
Allendale/Irvington/S. Hilton	3.9	11.9	18.1	32.6	36.2	52.1	41.5	36.5	41.7	5.1	37.8
Beechfield/Ten Hills/West Hills	1.5	6.1	8.3	9.7	12.6	19.7	15.4	13.8	10.5	-3.3	9.0
Belair-Edison	6.3	20.6	33.5	51.0	55.8	113.5	192.3	107.7	90.2	-17.5	83.9
Brooklyn/Curtis Bay/Hawkins Point	11.9	30.3	36.4	64.8	92.9	84.5	97.3	85.5	91.5	6.0	79.6
Canton	7.6	26.3	34.1	42.9	58.1	54.4	44.9	47.6	32.8	-14.8	25.3
Cedonia/Frankford	2.0	7.6	12.6	16.0	21.2	50.8	52.1	30.5	22.5	-8.0	20.5
Cherry Hill	0.9	4.7	6.0	13.7	12.4	9.0	13.6	10.2	11.7	1.5	10.8
Chinquapin Park/Belvedere	3.5	9.1	10.3	14.2	20.7	25.9	51.1	27.9	26.3	-1.6	22.8
Claremont/Armistead	0.4	2.4	5.3	7.3	7.0	15.8	21.9	14.2	8.1	-6.1	7.8
Clifton-Berea	10.7	21.6	30.3	67.2	95.2	192.9	188.8	119.7	167.2	47.5	156.5
Cross-Country/Cheswolde	1.2	6.0	4.1	5.5	5.8	10.8	6.2	7.3	3.3	-4.0	2.1
Dickeyville/Franklintown	0.2	1.8	3.9	4.1	0.2	1.1	3.7	3.9	3.2	-0.7	2.9
Dorchester/Ashburton	3.8	10.5	13.5	18.0	21.4	39.9	52.2	32.0	33.9	1.9	30.1
Downtown/Seton Hill	4.0	16.2	25.6	43.2	43.2	43.0	47.6	36.9	31.2	-5.7	27.2
Edmonson Village	3.8	12.0	15.4	24.2	26.2	53.9	29.4	33.5	41.4	7.9	37.6
Fells Point	5.0	23.1	30.7	42.4	44.7	60.6	59.8	60.9	49.7	-11.2	44.7
Forest Park/Walbrook	5.5	16.9	18.6	28.9	31.8	60.2	70.3	38.2	40.5	2.3	35.0
Glen-Falstaff	5.3	13.7	11.9	17.6	23.8	38.3	28.9	25.3	26.0	0.8	20.8
Greater Charles Village/Barclay	4.7	17.9	20.6	36.6	57.4	94.3	85.6	63.0	56.7	-6.4	52.0
Greater Govans	4.9	12.6	19.0	24.8	37.6	65.6	68.9	45.0	46.3	1.3	41.4
Greater Mondawmin	11.6	27.3	38.3	69.6	82.1	140.0	127.1	115.8	90.6	-25.1	79.1
Greater Roland Park/Poplar Hill	1.2	4.2	3.5	8.6	10.3	17.0	19.0	19.4	12.7	-6.7	11.5
Greater Rosemont	7.5	23.4	32.1	59.7	62.2	111.2	102.1	77.0	114.4	37.5	106.9
Greenmount East	14.7	26.0	37.1	78.0	85.2	167.6	182.4	158.9	154.6	-4.3	139.9
Hamilton	1.7	8.7	11.4	12.2	9.3	34.8	55.4	24.9	23.2	-1.7	21.5
Harbor East/Little Italy	NA	NA	NA	NA	NA	NA	NA	NA	35.9	NA	NA
Harford/Echodale	1.5	5.3	6.4	7.7	6.2	16.9	36.0	16.0	11.4	-4.6	9.9
Highlandtown	10.6	36.8	45.4	75.0	79.0	137.9	177.2	98.6	126.2	27.6	115.6
Howard Park/West Arlington	3.6	12.3	18.6	20.6	21.0	31.3	45.3	31.4	28.7	-2.7	25.1
Inner Harbor/Federal Hill	4.8	15.7	20.4	32.7	51.5	52.0	51.2	43.5	53.0	9.5	48.2
Jonestown/Oldtown	3.0	9.6	13.1	17.1	21.3	35.5	50.3	41.8	NA	NA	NA
Lauraville	2.0	7.7	8.8	14.3	10.0	21.2	56.8	27.4	27.7	0.3	25.8
Loch Raven	2.4	10.5	14.4	14.9	13.0	29.2	72.5	46.4	38.8	-7.6	36.4
Madison/East End	21.4	42.2	58.7	562.7	765.1	389.0	202.2	147.8	611.9	464.0	590.5
Medfield/Hampden/Woodberry	4.8	18.0	22.5	28.4	31.1	49.9	63.3	41.3	33.8	-7.5	29.1
Midtown*	4.1	12.8	17.0	22.1	28.8	51.7	62.2	53.3	44.0	-9.2	39.9
Midway/Coldstream	9.3	29.8	40.9	70.3	86.8	137.1	196.1	138.1	155.8	17.6	146.4
Morrell Park/Violetville	3.8	8.4	12.8	19.0	20.8	25.0	29.4	28.5	28.6	0.0	24.8
Mt. Washington/Coldspring	0.8	4.8	6.2	6.0	10.9	13.3	14.7	11.1	5.0	-6.0	4.2
North Baltimore/Guilford/Homeland	1.0	3.4	4.2	6.1	6.6	14.8	32.3	17.9	14.8	-3.1	13.8
Northwood	2.2	7.8	10.1	13.1	13.2	23.6	49.4	26.7	34.2	7.6	32.0
Oldtown/Middle East	NA	NA	NA	NA	NA	NA	NA	NA	65.4	NA	NA
Orangeville/East Highlandtown	5.6	20.5	30.9	58.9	99.9	119.5	140.2	93.9	109.1	15.2	103.4
Patterson Park North & East	20.4	46.2	60.8	372.8	462.4	197.6	192.1	139.5	392.3	252.8	371.9
Penn North/Reservoir Hill	11.2	26.4	33.8	54.4	70.2	82.4	109.1	83.2	84.2	1.0	73.0
Perkins/Middle East	8.4	17.1	25.6	87.5	80.8	63.3	63.3	58.9	NA	NA	NA
Pimlico/Arlington/Hilltop	6.8	16.6	23.2	34.5	45.3	87.2	86.8	56.4	79.0	22.7	72.3
Poppleton/The Terraces/Hollins Market	4.5	24.6	29.3	66.2	131.8	234.7	115.8	65.4	57.0	-8.4	52.5
Sandtown-Winchester/Harlem Park	9.8	21.7	32.4	124.1	265.5	300.6	138.2	100.4	157.7	57.3	147.9
South Baltimore	6.8	18.4	22.6	40.3	47.3	45.2	44.4	35.5	15.8	-19.7	9.0
Southeastern	2.7	8.8	13.1	19.3	23.9	20.9	36.3	33.0	28.0	-5.1	25.2
Southern Park Heights	7.8	16.2	24.1	43.9	47.2	91.2	119.0	64.1	77.9	13.8	70.1
Southwest Baltimore	9.1	25.9	36.7	84.4	267.5	198.4	212.9	119.3	253.6	134.3	244.5
The Waverlies	4.6	18.2	21.7	33.1	43.6	80.8	113.0	71.3	84.2	12.9	79.6
Upton/Druid Heights*	6.2	20.0	25.3	63.2	69.3	109.9	126.1	77.7	52.1	-25.6	45.8
Washington Village	13.3	38.6	51.8	108.6	175.9	185.9	175.4	153.1	193.2	40.0	179.8
Westport/Mt. Winans/Lakeland	6.0	16.4	22.7	41.2	40.9	58.3	50.3	41.9	67.3	25.4	61.3
<b>Baltimore City</b>	<b>6.1</b>	<b>17.2</b>	<b>23.1</b>	<b>56.3</b>	<b>75.5</b>	<b>85.1</b>	<b>85.8</b>	<b>59.5</b>	<b>75.8</b>	<b>16.3</b>	<b>69.7</b>

NA = Data not available due to major modifications in Census geographies from 2000 to 2010.

\* 2010 data using new 2010 CSA boundaries. CSA boundaries were modified slightly due to modifications in Census geographies from 2000 to 2010.

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## Rate of Clogged Storm Drains (per 1,000 Residents)

The number of reported incidents of clogged storm drains per 1,000 residents (as reported by 2000 and 2010 Census).

Source: Baltimore CitiStat

Community Statistical Area (CSA)	2002	2003	2004	2005	2006	2007	2008	2009	2010*	09-10 Change	02-10 Change
Allendale/Irvington/S. Hilton	3.0	3.9	2.8	3.4	13.1	5.8	4.7	4.5	4.2	-0.4	1.2
Beechfield/Ten Hills/West Hills	2.0	3.2	2.6	2.6	9.6	3.4	3.4	2.4	3.4	1.0	1.4
Belair-Edison	1.6	2.7	1.7	2.3	10.5	3.7	6.3	3.6	4.1	0.4	2.5
Brooklyn/Curtis Bay/Hawkins Point	3.7	4.0	3.8	5.0	26.3	8.5	4.6	3.7	4.2	0.5	0.5
Canton	7.4	6.1	4.0	5.3	11.7	9.8	6.6	7.7	6.3	-1.4	-1.1
Cedonia/Frankford	1.9	2.3	1.4	1.9	8.8	3.4	3.0	3.1	2.5	-0.6	0.6
Cherry Hill	1.6	1.7	0.7	3.7	6.9	4.2	2.9	2.9	1.2	-1.7	-0.3
Chinquapin Park/Belvedere	2.6	2.9	1.5	4.2	7.6	2.6	3.7	2.6	5.0	2.5	2.5
Claremont/Armistead	1.3	1.4	1.6	1.9	3.2	1.9	3.2	3.0	1.6	-1.4	0.3
Clifton-Berea	4.1	3.9	4.2	4.9	10.6	5.4	9.3	5.5	10.9	5.4	6.9
Cross-Country/Cheswolde	2.0	3.9	2.5	2.5	4.2	2.9	2.1	2.3	1.1	-1.2	-1.0
Dickeyville/Franklinton	0.7	2.7	1.1	0.2	5.3	1.6	2.1	2.1	0.7	-1.3	0.0
Dorchester/Ashburton	2.6	3.5	3.3	3.5	8.0	4.0	2.6	2.2	2.5	0.3	0.0
Downtown/Seton Hill	7.3	11.8	7.3	7.8	15.1	9.0	18.7	11.5	8.9	-2.7	1.5
Edmonson Village	1.2	2.6	13.1	1.7	12.7	2.6	2.4	2.1	1.8	-0.4	0.5
Fells Point	5.4	6.3	5.5	5.5	11.1	5.5	9.2	6.3	9.5	3.2	4.1
Forest Park/Walbrook	3.5	7.5	4.7	4.2	15.4	5.6	5.3	5.9	2.7	-3.1	-0.8
Glen-Falstaff	2.5	3.4	2.9	5.9	8.8	4.3	2.7	2.3	1.4	-0.9	-1.1
Greater Charles Village/Barclay	2.2	1.6	2.9	3.9	6.6	4.7	2.2	1.4	3.5	2.1	1.3
Greater Govans	2.5	5.4	3.3	3.1	11.3	4.4	8.5	4.1	6.2	2.0	3.7
Greater Mondawmin	6.3	5.9	4.6	6.1	18.2	11.0	6.9	7.2	5.9	-1.3	-0.4
Greater Roland Park/Poplar Hill	5.3	8.6	5.1	7.2	20.8	5.4	8.2	7.8	5.2	-2.6	-0.1
Greater Rosemont	4.8	5.4	5.6	4.9	14.2	8.0	7.1	4.1	6.0	1.9	1.3
Greenmount East	5.1	6.5	5.3	4.5	15.0	8.0	7.8	6.7	14.8	8.1	9.7
Hamilton	2.1	7.4	2.9	3.1	9.3	4.5	3.3	4.1	3.8	-0.3	1.7
Harbor East/Little Italy	NA	NA	NA	NA	NA	NA	NA	NA	9.6	NA	NA
Harford/Echodale	1.1	5.2	3.0	2.2	6.6	3.0	2.1	2.7	4.6	1.9	3.5
Highlandtown	5.1	4.3	5.5	3.1	11.0	7.0	5.5	2.7	2.8	0.1	-2.3
Howard Park/West Arlington	3.4	5.0	3.4	3.4	11.6	3.6	4.4	3.9	3.8	-0.1	0.3
Inner Harbor/Federal Hill	4.0	6.0	4.5	6.3	14.2	5.5	6.0	4.4	4.7	0.3	0.7
Jonestown/Oldtown	3.3	4.9	4.5	4.3	9.4	6.9	10.9	5.7	NA	NA	NA
Lauraville	1.8	5.3	3.8	3.4	8.6	2.3	3.2	2.7	2.8	0.1	1.0
Loch Raven	2.1	2.7	1.8	2.2	7.5	2.4	2.1	2.0	4.0	2.0	1.9
Madison/East End	4.7	5.7	5.8	7.1	11.9	13.0	15.7	11.0	14.3	3.3	9.6
Medfield/Hampden/Woodberry	3.5	4.9	4.9	3.5	9.5	5.8	5.7	3.8	2.1	-1.7	-1.5
Midtown*	4.5	4.6	3.3	2.7	6.7	3.9	3.6	5.2	5.9	0.6	1.4
Midway/Coldstream	5.0	4.8	5.0	5.5	14.5	6.3	6.0	4.3	8.0	3.7	3.0
Morrell Park/Violetville	1.4	6.1	4.0	4.5	10.6	4.1	3.9	5.1	2.0	-3.1	0.6
Mt. Washington/Coldspring	5.2	8.2	6.4	4.2	17.7	5.6	5.6	5.4	1.0	-4.5	-4.3
North Baltimore/Guilford/Homeland	1.8	6.8	3.9	2.8	6.2	2.7	5.1	3.1	4.2	1.1	2.4
Northwood	1.9	3.9	2.2	2.3	8.3	1.6	4.1	2.7	4.1	1.5	2.2
Oldtown/Middle East	NA	NA	NA	NA	NA	NA	NA	NA	11.8	NA	NA
Orangeville/East Highlandtown	4.4	8.5	4.7	4.8	20.9	5.4	6.7	4.1	11.4	7.2	7.0
Patterson Park North & East	4.4	3.7	4.7	5.1	9.5	10.7	7.9	4.5	10.7	6.2	6.3
Penn North/Reservoir Hill	4.5	6.2	4.0	3.2	8.1	8.1	4.2	2.9	4.4	1.6	0.0
Perkins/Middle East	4.5	6.0	4.6	5.4	14.9	8.4	5.2	6.2	NA	NA	NA
Pimlico/Arlington/Hilltop	4.8	6.0	3.5	4.9	12.7	8.5	3.2	3.5	4.1	0.5	-0.7
Poppleton/The Terraces/Hollins Market	2.2	3.9	5.0	3.4	7.6	4.5	4.3	4.3	3.1	-1.1	0.9
Sandtown-Winchester/Harlem Park	4.1	5.7	5.1	5.7	11.7	8.4	7.9	6.6	5.2	-1.3	1.2
South Baltimore	4.6	6.8	4.8	5.3	15.6	7.3	7.3	7.0	5.4	-1.6	0.8
Southeastern	2.9	4.5	4.6	3.9	7.6	4.0	5.3	6.8	10.2	3.4	7.3
Southern Park Heights	3.6	4.2	4.5	7.6	11.1	6.0	3.2	4.5	2.6	-1.9	-1.1
Southwest Baltimore	6.6	5.4	6.2	6.4	19.3	9.6	5.9	5.9	5.4	-0.4	-1.2
The Waverlies	5.6	10.5	3.5	5.9	14.7	6.7	8.0	6.0	8.1	2.1	2.5
Upton/Druid Heights*	4.3	3.0	2.7	3.9	9.1	6.9	3.5	3.0	2.0	-1.0	-2.3
Washington Village	8.8	11.1	4.7	8.1	22.5	12.1	7.4	8.8	6.7	-2.0	-2.0
Westport/Mt. Winans/Lakeland	3.0	7.9	3.4	5.0	8.1	6.8	4.3	4.2	1.5	-2.6	-1.5
<b>Baltimore City</b>	<b>3.7</b>	<b>5.2</b>	<b>4.1</b>	<b>4.6</b>	<b>11.3</b>	<b>5.7</b>	<b>5.2</b>	<b>4.3</b>	<b>4.9</b>	<b>0.6</b>	<b>1.2</b>

NA = Data not available due to major modifications in Census geographies from 2000 to 2010.

\* 2010 data using new 2010 CSA boundaries. CSA boundaries were modified slightly due to modifications in Census geographies from 2000 to 2010.

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