

Sanitation is an important determinant of general public health and, therefore, is an important component of quality of life. BNIA-JFI currently tracks three indicators that measure the cleanliness of Baltimore City: the rate of dirty streets and alleys, the rate of clogged storm drains, and the rate of reported rat incidents. 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 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. The three sanitation indicators tracked by BNIA-JFI are described below.

### Rate of Dirty Streets and Alleys

BNIA-JFI examines the rate of dirty streets and alleys as a measure of the general cleanliness of the neighborhood. The data is normalized by the population of each CSA so that the indicator can be compared across areas of different population and neighborhood sizes. 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 59.5 reported incidents per 1,000 persons. This increase may be due to either a greater number of residents reporting incidents of dirty streets and alleys or to residents making repeated calls reporting dirty streets and alleys.

- The reported rate of dirty streets and alleys in Baltimore City decreased by 26.3 incidents per 1,000 persons from 85.8 in 2008 to 59.4 in 2009.
- A majority of Baltimore community statistical areas experienced decreased reports of dirty streets and alleys in 2009, with 49 of 55 (89%) CSAs having a lower number of reported incidents per 1,000 persons than in 2008. The largest decreases in reported incidents from 2008 to 2009 occurred in Southwest Baltimore, Belair-Edison, and Highlandtown.
- While from 2008 to 2009, the rate of dirty streets and alleys has declined, since 2002, the rate of dirty streets and alleys has increased by 53.4 incidents per 1,000 persons. Reports of dirty streets and alleys have increased in all 55 CSAs from 2002 to 2009 with the greatest increases occurring in Greenmount East, Washington Village/Pigtown, and Midway/Coldstream.

## Rate of Clogged Storm Drains

BNIA-JFI also tracks the reported rate of clogged storm drains as a measure of the general cleanliness of a neighborhood. This indicator is also normalized by the total population in the neighborhood to allow for comparison between neighborhoods. 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 4.3 reported incidents per 1,000 persons in 2009.

- The reported rate of clogged storm drains in Baltimore City has decreased by less than 1 reported incident (0.9) per 1,000 persons from 5.2 in 2008 to 4.3 in 2009.
- The number of reported clogged storm drains per 1,000 persons has decreased in 38 of the 55 (69%) CSAs in 2009. CSAs that experienced the decreases include Downtown/Seton Hill, Jonestown/Oldtown, and Madison/East End.
- In 2009, the CSAs with the highest rates of reported clogged storm drains were Downtown/Seton Hill and Madison/East End.

## Rate of Reported Rat Incidents

The rate of reported rat incidents helps describe the overall sanitation conditions in the neighborhood. Calls to report rat incidents are normalized by the total population in the neighborhood to allow for comparison between neighborhoods. The rate of reported rat incidents in Baltimore City has increased from 7.7 in 2002 to 59.7 in 2009. This increase may be due to either a greater number of residents reporting incidents of rats or to residents making repeated calls reporting rats.

- The number of reported rat incidents in Baltimore City has decreased from 66.2 in 2008 to 59.7 in 2009. The Orangeville/East Highlandtown CSA experienced the greatest decrease from 2008 to 2009 with 110.5 fewer reported rat incidents per 1,000 persons.
- Since 2002, the number of reported rat incidents in Baltimore City has increased by 52.0 incidents per 1,000 persons.
- All of Baltimore City's CSAs have experienced increased rates of reported rat incidents with the Madison/East End CSA having the greatest increase of nearly 203 incidents per 1,000 persons.

Community Statistical Area	Rate of Dirty Streets and Alleys Reports per 1,000 Residents				Rate of Clogged Storm Drain Reports per 1,000 Residents			
	2008*	2009	Change	Change from Base Year*	2008*	2009	Change	Change from Base Year*
1 Allendale/Irvington/South Hilton	41.5	36.5	-4.9	32.6	4.7	4.5	-0.1	1.6
2 Beechfield/Ten Hills/West Hills	15.4	13.8	-1.6	12.3	3.4	2.4	-0.9	0.4
3 Belair-Edison	192.3	107.7	-84.5	101.5	6.3	3.6	-2.7	2.0
4 Brooklyn/Curtis Bay/Hawkins Point	97.3	85.5	-11.8	73.6	4.6	3.7	-1.0	-0.1
5 Canton	44.9	47.6	2.7	40.1	6.6	7.7	1.1	0.3
6 Cedonia/Frankford	52.1	30.5	-21.6	28.5	3.0	3.1	0.0	1.2
7 Cherry Hill	13.6	10.2	-3.4	9.3	2.9	2.9	0.0	1.3
8 Chinquapin Park/Belvedere	51.1	27.9	-23.2	24.3	3.7	2.6	-1.1	0.0
9 Claremont/Armistead	21.9	14.2	-7.6	13.9	3.2	3.0	-0.2	1.7
10 Clifton-Berea	188.8	119.7	-69.1	109.0	9.3	5.5	-3.8	1.4
11 Cross-Country/Cheswolde	6.2	7.3	1.1	6.1	2.1	2.3	0.2	0.3
12 Dickeyville/Frankintown	3.7	3.9	0.2	3.7	2.1	2.1	0.0	1.4
13 Dorchester/Ashburton	52.2	32.0	-20.2	28.1	2.6	2.2	-0.3	-0.3
14 Downtown/Seton Hill	47.6	36.9	-10.7	32.9	18.7	11.5	-7.1	4.2
15 Edmondson Village	29.4	33.5	4.0	29.7	2.4	2.1	-0.2	0.9
16 Fells Point	59.8	60.9	1.2	55.9	9.2	6.3	-2.9	0.9
17 Forest Park/Walbrook	70.3	38.2	-32.1	32.7	5.3	5.9	0.6	2.3
18 Glen-Falstaff	28.9	25.3	-3.7	20.0	2.7	2.3	-0.4	-0.3
19 Greater Charles Village/Barclay	85.6	63.0	-22.6	58.3	2.2	1.4	-0.8	-0.8
20 Greater Govans	68.9	45.0	-23.8	40.1	8.5	4.1	-4.3	1.6
21 Greater Mondawmin	127.1	115.8	-11.4	104.2	6.9	7.2	0.3	0.8
22 Greater Roland Park/Poplar Hill	19.0	19.4	0.4	18.2	8.2	7.8	-0.4	2.5
23 Greater Rosemont	102.1	77.0	-25.1	69.4	7.1	4.1	-3.0	-0.6
24 Greenmount East	182.4	158.9	-23.5	144.2	7.8	6.7	-1.1	1.6
25 Hamilton	55.4	24.9	-30.5	23.2	3.3	4.1	0.8	2.0
26 Harford/Echodale	36.0	16.0	-20.0	14.5	2.1	2.7	0.6	1.6
27 Highlandtown	177.2	98.6	-78.5	88.1	5.5	2.7	-2.8	-2.4
28 Howard Park/West Arlington	45.3	31.4	-13.9	27.8	4.4	3.9	-0.5	0.5
29 Inner Harbor/Federal Hill	51.2	43.5	-7.7	38.7	6.0	4.4	-1.6	0.4
30 Jonestown/Oldtown	50.3	41.8	-8.4	38.9	10.9	5.7	-5.2	2.4
31 Lauraville	56.8	27.4	-29.4	25.4	3.2	2.7	-0.5	0.9
32 Loch Raven	72.5	46.4	-26.0	44.0	2.1	2.0	-0.1	-0.1
33 Madison/East End	202.2	147.8	-54.3	126.4	15.7	11.0	-4.7	6.3
34 Medfield/Hampden/Woodberry/Remington	63.3	41.3	-22.0	36.6	5.7	3.8	-1.9	0.3
35 Midtown	62.2	53.3	-8.9	49.2	3.6	5.2	1.6	0.7
36 Midway/Coldstream	196.1	138.1	-58.0	128.8	6.0	4.3	-1.7	-0.7
37 Morrell Park/Violetville	29.4	28.5	-0.9	24.8	3.9	5.1	1.2	3.6
38 Mount Washington/Coldspring	14.7	11.1	-3.6	10.3	5.6	5.4	-0.2	0.2
39 North Baltimore/Guilford/Homeland	32.3	17.9	-14.5	16.9	5.1	3.1	-2.0	1.3
40 Northwood	49.4	26.7	-22.7	24.4	4.1	2.7	-1.4	0.8
41 Orangeville/East Highlandtown	140.2	93.9	-46.3	88.3	6.7	4.1	-2.5	-0.2
42 Patterson Park North & East	192.1	139.5	-52.6	119.1	7.9	4.5	-3.4	0.1
43 Penn North/Reservoir Hill	109.1	83.2	-25.9	72.0	4.2	2.9	-1.3	-1.6
44 Perkins/Middle East	63.3	58.9	-4.5	50.4	5.2	6.2	1.1	1.8
45 Pimlico/Arlington/Hilltop	86.8	56.4	-30.4	49.6	3.2	3.5	0.3	-1.2
46 Poppleton/The Terraces/Hollins Market	115.8	65.4	-50.3	61.0	4.3	4.3	0.0	2.1
47 Sandtown-Winchester/Harlem Park	138.2	100.4	-37.7	90.6	7.9	6.6	-1.3	2.5
48 South Baltimore	44.4	35.5	-8.8	28.7	7.3	7.0	-0.3	2.4
49 Southeastern	36.3	33.0	-3.3	30.3	5.3	6.8	1.4	3.9
50 Southern Park Heights	119.0	64.1	-54.9	56.3	3.2	4.5	1.3	0.9
51 Southwest Baltimore	212.9	119.3	-93.6	110.2	5.9	5.9	0.0	-0.8
52 The Waverlies	113.0	71.3	-41.7	66.7	8.0	6.0	-2.0	0.4
53 Upton/Druid Heights	126.1	77.7	-48.4	71.4	3.5	3.0	-0.5	-1.3
54 Washington Village/ Pigtown	175.4	153.1	-22.3	139.8	7.4	8.8	1.4	0.0
55 Westport/Mount Winans/Lakeland	50.3	41.9	-8.4	35.9	4.3	4.2	-0.1	1.2
<b>Baltimore City</b>	<b>85.8</b>	<b>59.5</b>	<b>-26.3</b>	<b>53.4</b>	<b>5.2</b>	<b>4.3</b>	<b>-0.9</b>	<b>0.6</b>

**Notes:**

\* The year 2002 is used as the Base Year.

Community Statistical Area	Rate of Rat Incidents Reports per 1,000 Residents			
	2008	2009	Change	Change from Base Year*
1 Allendale/Irvington/South Hilton	54.7	38.9	-15.8	30.6
2 Beechfield/Ten Hills/West Hills	48.7	21.2	-27.5	20.3
3 Belair-Edison	134.8	146.5	11.7	133.6
4 Brooklyn/Curtis Bay/Hawkins Point	99.7	114.4	14.7	110.9
5 Canton	13.6	17.0	3.4	8.1
6 Cedonia/Frankford	48.9	49.7	0.7	43.6
7 Cherry Hill	0.5	2.2	1.7	1.8
8 Chinquapin Park/Belvedere	48.7	74.4	25.7	72.1
9 Claremont/Armistead	13.7	13.6	-0.1	12.9
10 Clifton-Berea	88.3	118.4	30.1	105.0
11 Cross-Country/Cheswolde	5.1	4.7	-0.3	3.7
12 Dickeyville/Franklintown	0.5	0.2	-0.2	0.0
13 Dorchester/Ashburton	31.9	45.5	13.6	40.6
14 Downtown/Seton Hill	20.1	19.7	-0.4	13.4
15 Edmondson Village	49.4	109.3	59.9	96.1
16 Fells Point	13.4	16.5	3.0	10.7
17 Forest Park/Walbrook	14.5	18.6	4.1	15.7
18 Glen-Falstaff	23.7	19.0	-4.7	16.8
19 Greater Charles Village/Barclay	62.8	38.1	-24.7	31.9
20 Greater Govans	60.7	59.1	-1.6	48.4
21 Greater Mondawmin	160.7	197.9	37.2	186.8
22 Greater Roland Park/Poplar Hill	2.5	2.9	0.4	2.4
23 Greater Rosemont	141.8	115.2	-26.6	99.7
24 Greenmount East	81.3	114.8	33.5	103.1
25 Hamilton	25.5	17.0	-8.5	9.3
26 Harford/Echodale	18.7	20.5	1.8	18.1
27 Highlandtown	32.7	63.2	30.5	47.6
28 Howard Park/West Arlington	8.3	10.0	1.6	7.0
29 Inner Harbor/Federal Hill	56.6	12.5	-44.1	5.5
30 Jonestown/Oldtown	78.3	12.9	-65.5	10.4
31 Lauraville	24.8	18.8	-6.0	14.7
32 Loch Raven	29.3	62.9	33.6	56.8
33 Madison/East End	200.0	215.7	15.7	202.9
34 Medfield/Hampden/Woodberry/Remington	51.7	49.6	-2.2	37.3
35 Midtown	45.6	12.7	-32.8	8.6
36 Midway/Coldstream	89.5	133.6	44.1	119.7
37 Morrell Park/Violetville	79.4	111.7	32.4	105.0
38 Mount Washington/Coldspring	0.8	3.4	2.6	2.4
39 North Baltimore/Guilford/Homeland	16.1	13.1	-3.0	11.1
40 Northwood	25.2	56.0	30.8	52.6
41 Orangeville/East Highlandtown	237.9	127.4	-110.5	112.5
42 Patterson Park North & East	182.5	112.8	-69.7	97.0
43 Penn North/Reservoir Hill	100.9	58.7	-42.2	50.5
44 Perkins/Middle East	16.5	84.2	67.7	80.6
45 Pimlico/Arlington/Hilltop	85.1	81.6	-3.5	70.5
46 Poppleton/The Terraces/Hollins Market	122.7	39.3	-83.3	31.9
47 Sandtown-Winchester/Harlem Park	113.6	68.7	-44.9	59.6
48 South Baltimore	41.3	40.3	-1.0	29.4
49 Southeastern	65.3	55.2	-10.1	49.2
50 Southern Park Heights	60.1	43.3	-16.8	32.9
51 Southwest Baltimore	107.8	81.6	-26.2	71.5
52 The Waverlies	97.2	81.5	-15.7	69.3
53 Upton/Druid Heights	120.1	34.3	-85.8	28.6
54 Washington Village/ Pigtown	55.4	49.6	-5.8	37.2
55 Westport/Mount Winans/Lakeland	79.9	57.8	-22.1	50.7
<b>Baltimore City</b>	<b>66.2</b>	<b>59.7</b>	<b>-6.5</b>	<b>52.0</b>

**Notes:**

\* The year 2002 is used as the Base Year.