



Green & Healthy Homes Initiative

Baltimore Data Day 2012

Shared Visions, Shared Indicators

Green & Healthy Homes Initiative™ Baltimore

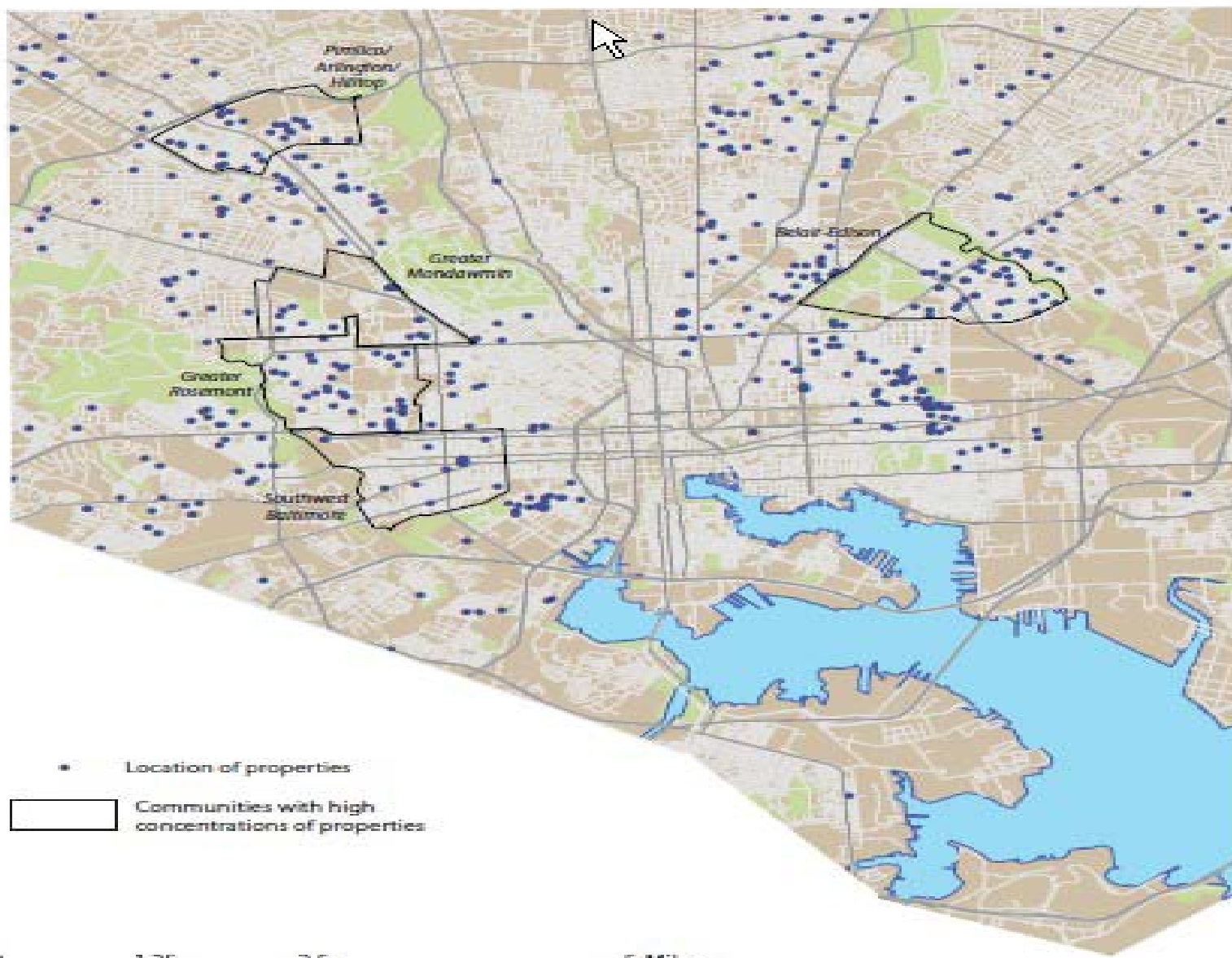
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Department

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The Coalition to End Childhood Lead Poisoning

Green and Healthy Homes Initiative Baltimore City Properties Receiving Interventions, 2009-2011





Green & Healthy Homes Initiative

GHHI® - A Program of the Coalition to End Childhood Lead Poisoning

The Green & Healthy Homes Initiative™ is designed as a comprehensive approach to offer integrated health, safety, lead hazard reduction, energy efficiency, and weatherization interventions in low to moderate income homes.

- GHHI maximizes public and philanthropic investments for **6 major benefits:**
 - ✓ Government innovation in service delivery
 - ✓ Development of sustainable community-based “green collar” jobs and social enterprise
 - ✓ Creation of stable and sustainable green and healthy homes in low-income neighborhoods
 - ✓ Measurable improvements in health outcomes for children and families
 - ✓ Wealth retention and foreclosure prevention
 - ✓ New tool development to ensure sustainable system changes



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The GHHI Model

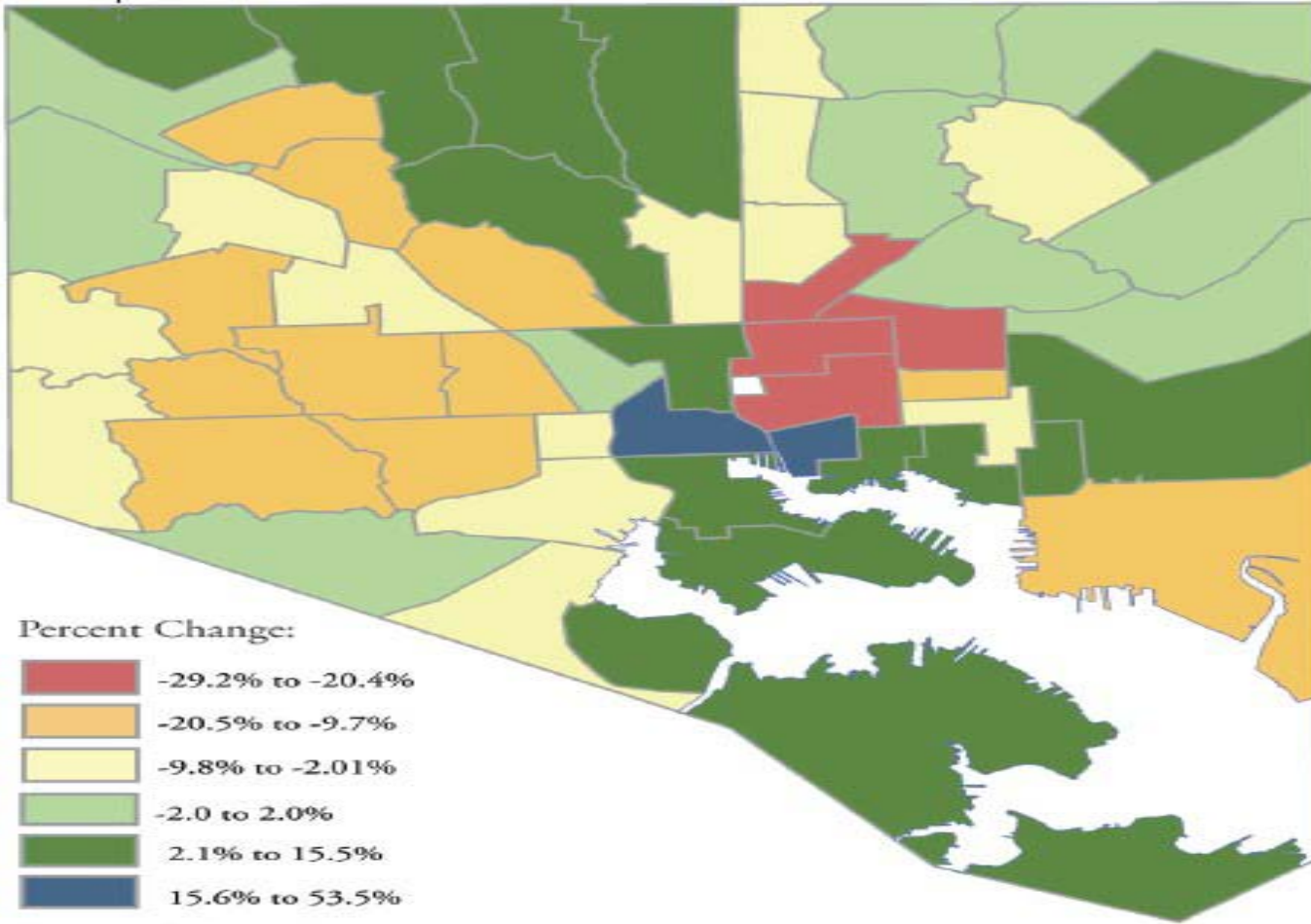
- GHHI is a systems change platform that:
 - Replaces stand-alone programs with a single intake portal to reduce inefficiencies;
 - Establishes a comprehensive assessment and intervention process through aligned housing and health programs
 - Reduces unsafe work practices and deferrals in weatherization and energy efficiency interventions through adoption of improved health and safety standards and referral systems



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US Census Data

Total Population Change, 2000-2010

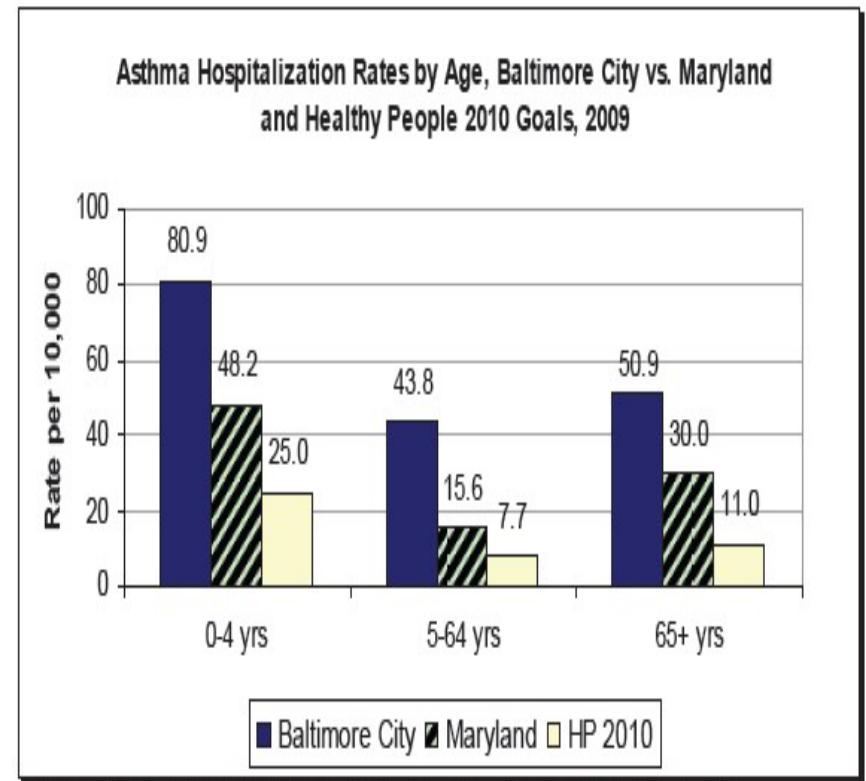
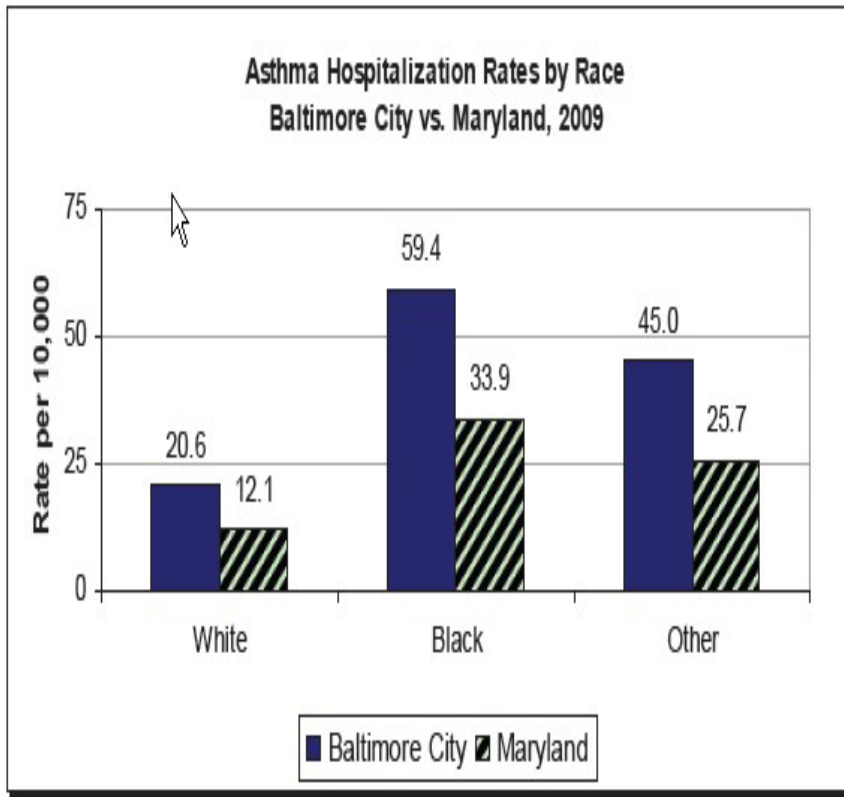


Source: U.S. Census Bureau

Aggregated
or
Population
Level
Statistics
are Useful
but do not
tell the
whole
story...

Source: BNIA Citywide Vital Signs US Census

Asthma as an example of Health Disparities in Baltimore



Maryland HSCRC, 2009; Pennsylvania Health Care Cost Containment Council, 2009.

^a Rates are age-adjusted to the 2000 U.S. standard population.

^b Includes Maryland residents hospitalized in Pennsylvania and Washington D.C.

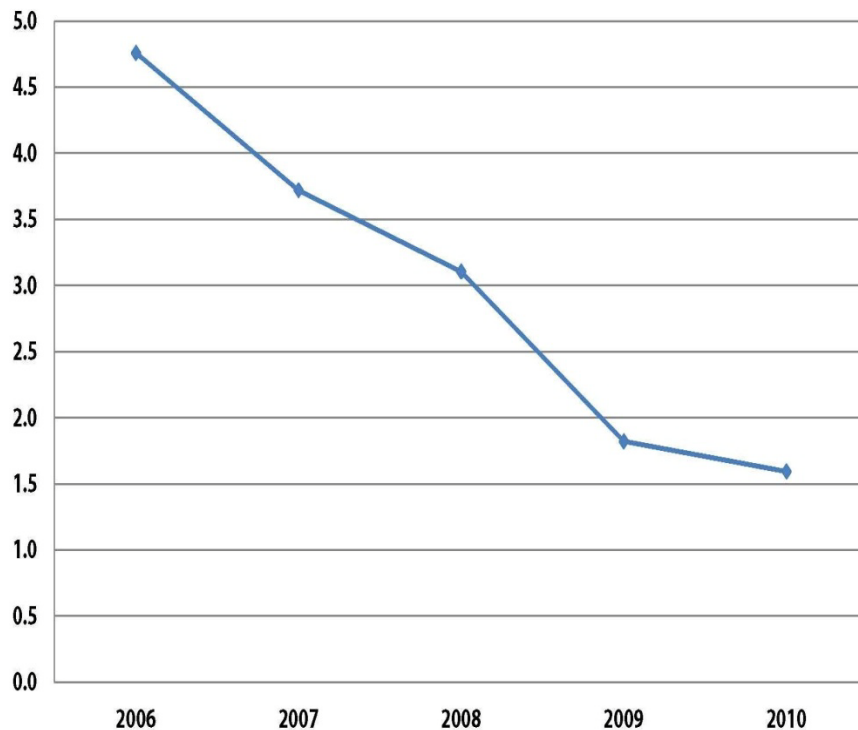
MD HSCRC, DE Dept of Health, PA Health Care Cost Containment Council, WV Health Care Authority, 2009.

^a Rates are age-adjusted to the 2000 U.S. standard population.

^b Includes Maryland residents hospitalized in Delaware, Pennsylvania, Washington D.C., and West Virginia (MD county data not available for Delaware hospitalizations; MD state data only includes Delaware for total, 0-4, and 65+ due to age groupings).

Lead Poisoning

Percent of Children with Elevated Blood Lead Levels in Baltimore City



Source: State Department of the Environment, Lead Poisoning Prevention Program

Source: BNIA Citywide Vital Signs Child & Maternal Health Indicators

Baltimore City
Criteria: The highest venous or highest capillary in the absence of venous test

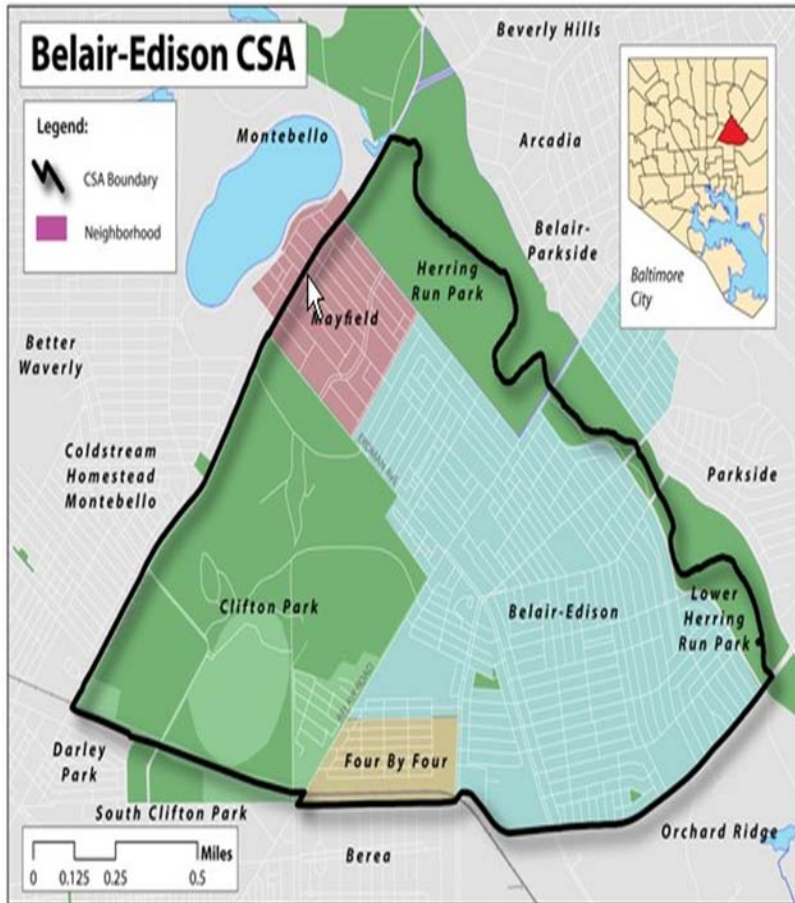
Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	1,507	54	5		1	2	1,569
One Year	6,169	531	66	23	15	6	6,810
Two Years	5,150	589	62	13	12	8	5,834
Three Years	2,076	299	41	6	4	1	2,427
Four Years	1,672	190	16	9	2	1	1,890
Five Years	1,050	101	14	3	3	1	1,172
Total	17,624	1,764	204	54	37	19	19,702
6-17 Years	3,139	176	14	6		2	3,337

Criteria: The highest venous test
Blood Lead Level (µg/dL)

Age Group	Blood Lead Level (µg/dL)						Total
	≤4	5-9	10-14	15-19	20-24	≥25	
Under One	916	32	4		1	2	955
One Year	4,299	378	62	21	15	6	4,781
Two Years	3,552	431	59	13	11	8	4,074
Three Years	1,576	229	38	5	4	1	1,853
Four Years	1,270	151	15	8	2		1,446
Five Years	797	81	13	3	3	1	898
Total	12,410	1,302	191	50	36	18	14,007
6-17 Years	2,443	139	14	6		2	2,604

Source: MDE Childhood Blood Lead Surveillance in Maryland 2010 Annual Report

Community Statistical Areas



BELAIR-EDISON

Percent of children with elevated blood lead levels

Percent of children age 0-6 with elevated blood lead levels in each zipcode that year.

Source: State Department of the Environment, Lead Poisoning Prevention Program

	Belair-Edison	Baltimore City
2006:	6.60	4.76
2007:	0.00	3.72
2008:	0.00	3.10
2009:	0.00	1.82
2010:	7.50	1.59
Change:	0.90	-3.17



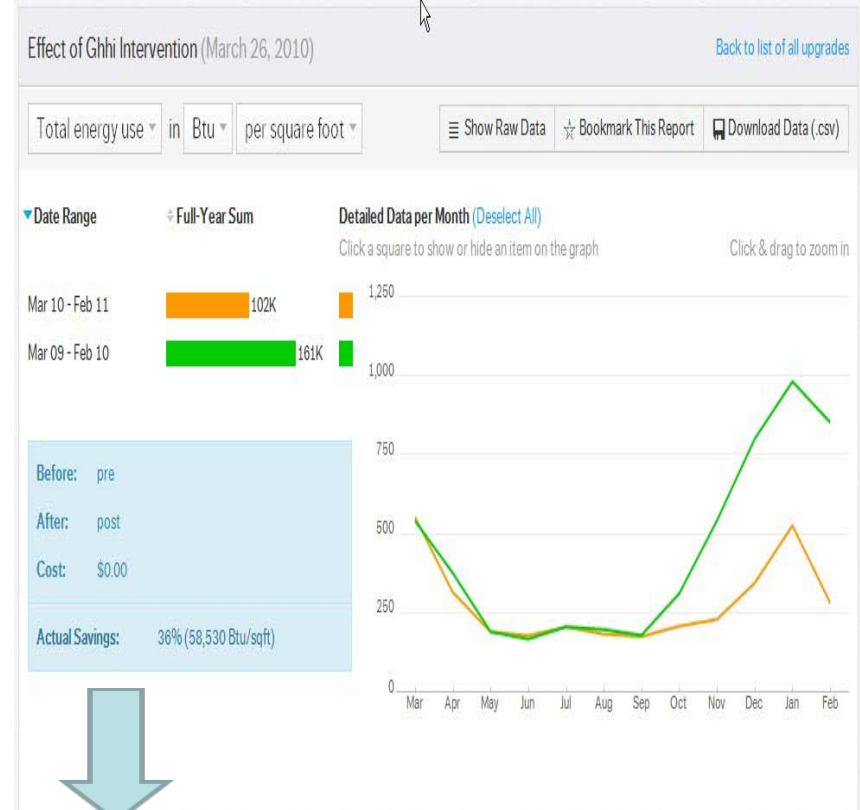
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Household Level Data is useful for...

Utility Bill Analysis & Tracking Energy Savings



Actual Cost Savings of 31% \$788 per 1000 square feet



Actual Energy Conserved 36% 17Kwh per square foot decrease

***“Breaking the link between unhealthy housing
and unhealthy children”***

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