
Data Spotlight: The Link Between Housing Assistance and Environmental Justice (EJ)

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Veronica Helms Garrison & Alexander Din
*U.S. Department of Housing & Urban Development
Office of Policy Development and Research*



Background: What is EJ?

ENVIRONMENTAL JUSTICE (EJ) | Ensuring equal protection from environmental and health hazards and providing equal and meaningful opportunity to participate in the decision-making process to achieve a healthy environment.

JUSTICE40 INITIATIVE | The Federal Government has made it a goal that 40 percent of the overall benefits of certain Federal investments flow to disadvantaged communities that are marginalized, underserved, and overburdened by pollution (EO 14008)

LINK TO HUD'S MISSION | Addressing EJ is at the core of HUD's mission to create strong, sustainable, inclusive communities. (HUD)



Quantifying EJ

EJSCREEN | EJ Mapping and Screening Tool developed by the Environmental Protection Agency (EPA); Small levels of geography

NATIONALLY CONSISTENT DATA | Approach combines environmental and demographic indicators

ASSISTED HOUSING | Public and assisted housing developments

EJScreen: Environmental Justice Screening and Mapping Tool



In order to better meet the Agency's responsibilities related to the protection of public health and the environment, EPA has developed a new environmental justice (EJ) mapping and screening tool called EJScreen. It is based on nationally consistent data and an approach that combines environmental and demographic indicators in maps and reports. [Learn more about Environmental Justice at EPA.](#)

What is EJScreen?



Learn to Use EJScreen



Launch the Tool



Source: [*EJScreen: Environmental Justice Screening and Mapping Tool*](#)



EJSCREEN: 12 EJ Indices

1. Particulate Matter 2.5
2. Ozone
3. Diesel Particulate Matter
4. Air Toxics Cancer Risk
5. Air Toxics Respiratory Hazard Index
6. Traffic Proximity
7. **Lead Paint**
8. Risk Management Plan (RMP) Facility Proximity
9. Hazardous Waste Proximity
10. Superfund Proximity
11. Underground Storage Tanks (UST) and Leaking UST (LUST)
12. Wastewater Discharge



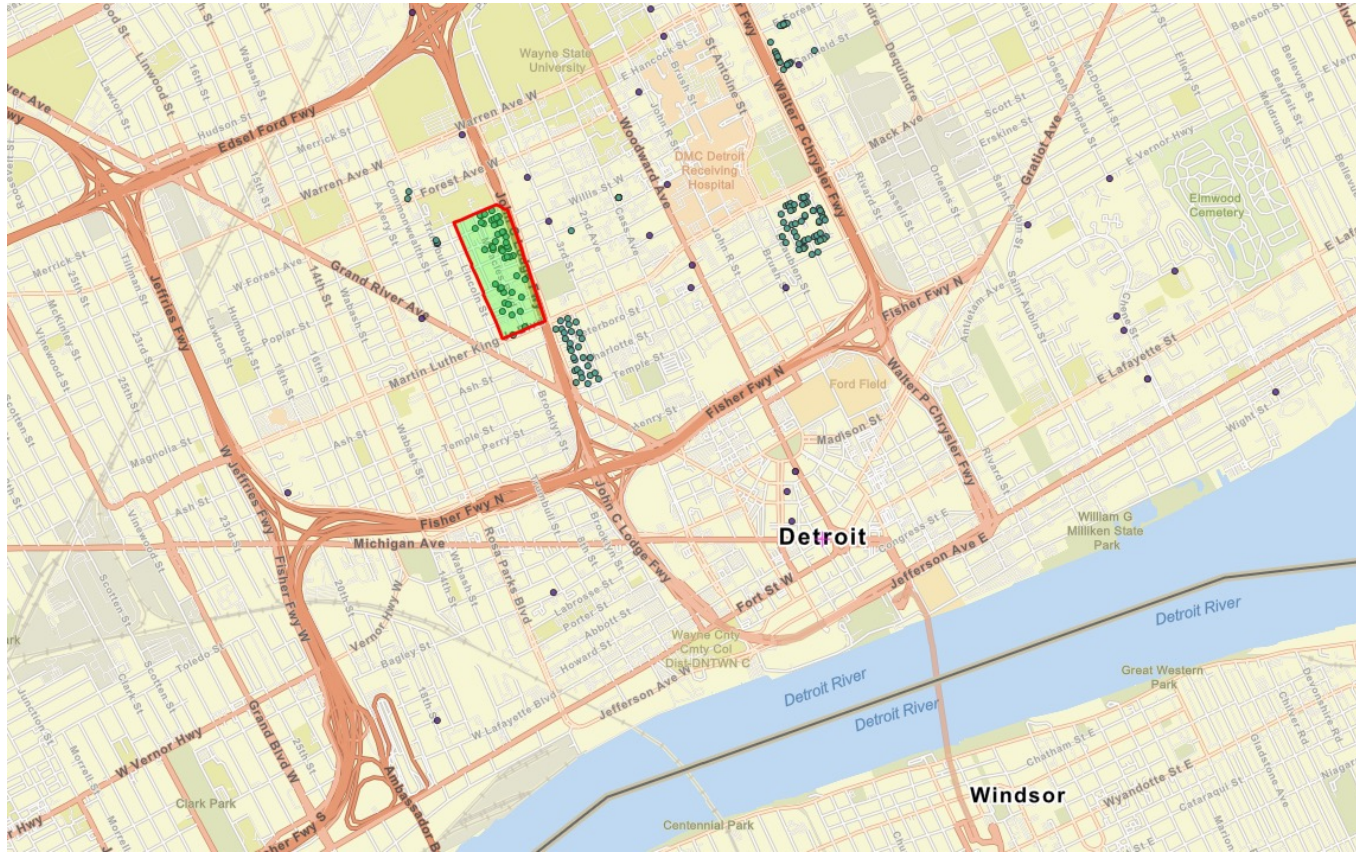
HUD-Assisted Households with Children



US Census Tracts with the Most HUD-Assisted Households with Children

Tract FIPS	State	County	City	HUD HHs (count)	HUD HHs w/ Children (count)	HHs (count)	Owner HHs (count)	Renter HHs (count)
36047091200	New York	Kings	New York City	2,186	938	2,345	19	2,326
39061008000	Ohio	Hamilton	Cincinnati	1,463	848	2,646	192	2,454
26163584800	Michigan	Wayne	Detroit	849	666	1,223	301	922
17031540101	Illinois	Cook	Chicago	1,058	649	1,568	52	1,516
24510250204	Maryland	Baltimore City	Baltimore	1,256	646	1,590	118	1,472

Screenshot of EJSCREEN Mapping Tool Highlighting a Tract in Detroit, Michigan



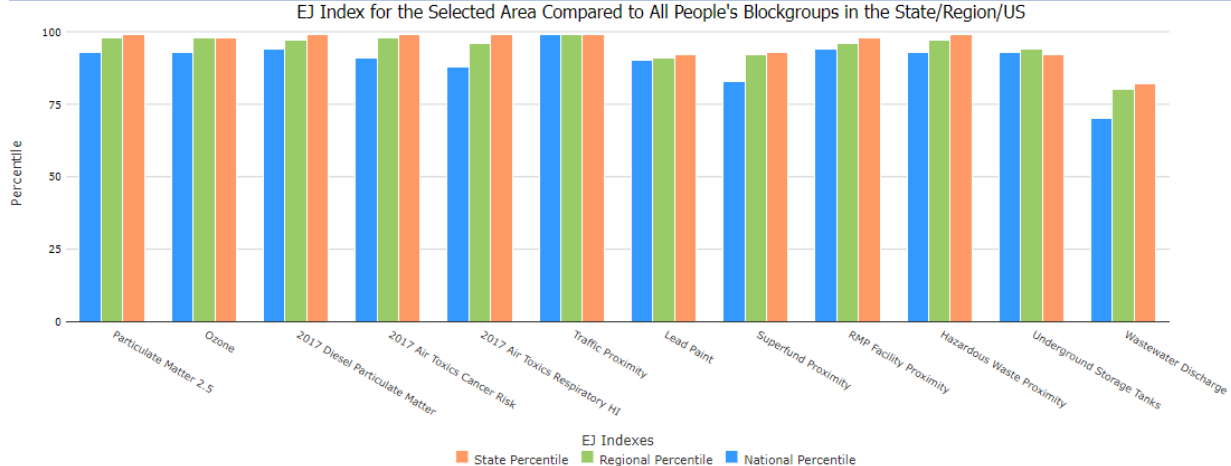
Screenshot of EJSCREEN Report



EJScreen Report (Version 2.0)

Tract: 26163521800
 MICHIGAN, EPA Region 5
 Approximate Population: 1,625
 Input Area (sq. miles): 0.09

Selected Variables	Percentile in State	Percentile in EPA Region	Percentile in USA
Environmental Justice Indexes			
EJ Index for Particulate Matter 2.5	99	98	93
EJ Index for Ozone	98	98	93
EJ Index for 2017 Diesel Particulate Matter*	99	97	94
EJ Index for 2017 Air Toxics Cancer Risk*	99	98	91
EJ Index for 2017 Air Toxics Respiratory HI*	99	96	88
EJ Index for Traffic Proximity	99	99	99
EJ Index for Lead Paint	92	91	90
EJ Index for Superfund Proximity	93	92	83
EJ Index for RMP Facility Proximity	98	96	94
EJ Index for Hazardous Waste Proximity	99	97	93
EJ Index for Underground Storage Tanks	92	94	93
EJ Index for Wastewater Discharge	82	80	70



Screenshot of EJSCREEN Report—2

EJScreen Report (Version 2.0)

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Approximate Population: 1,625

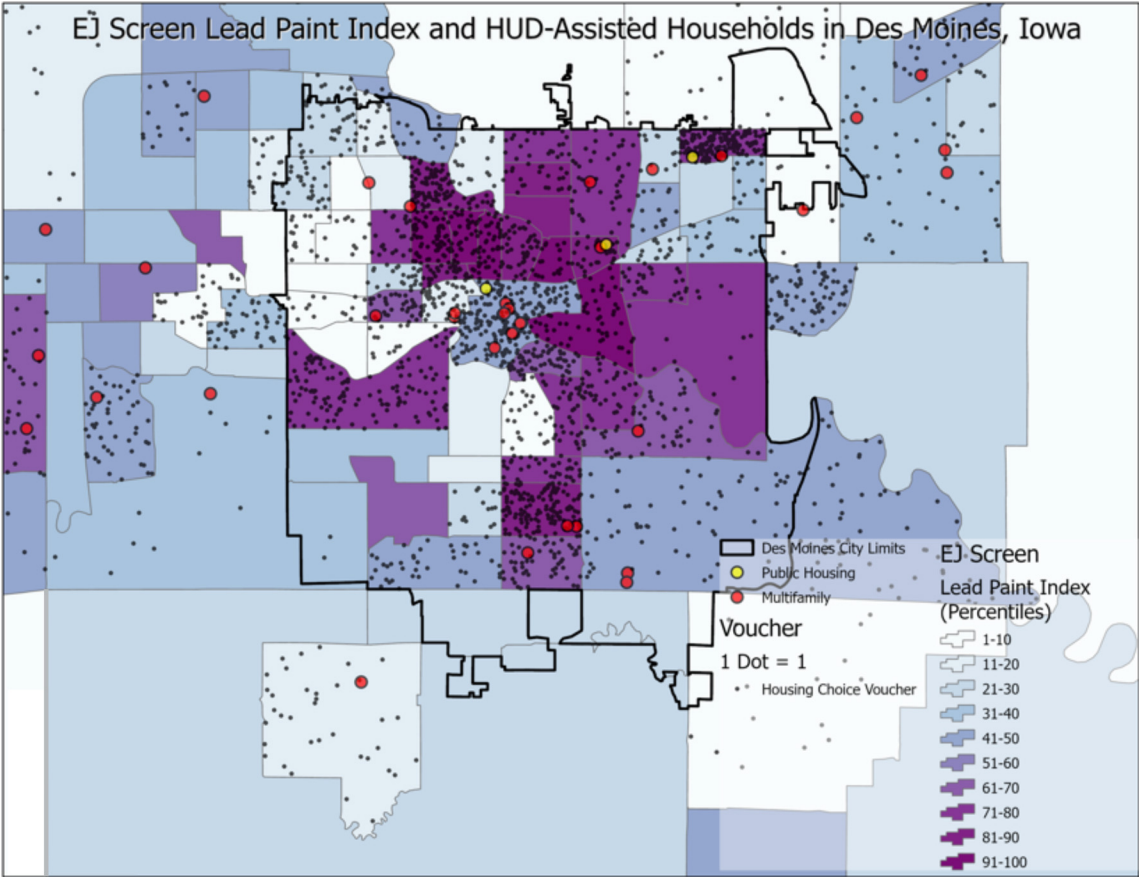
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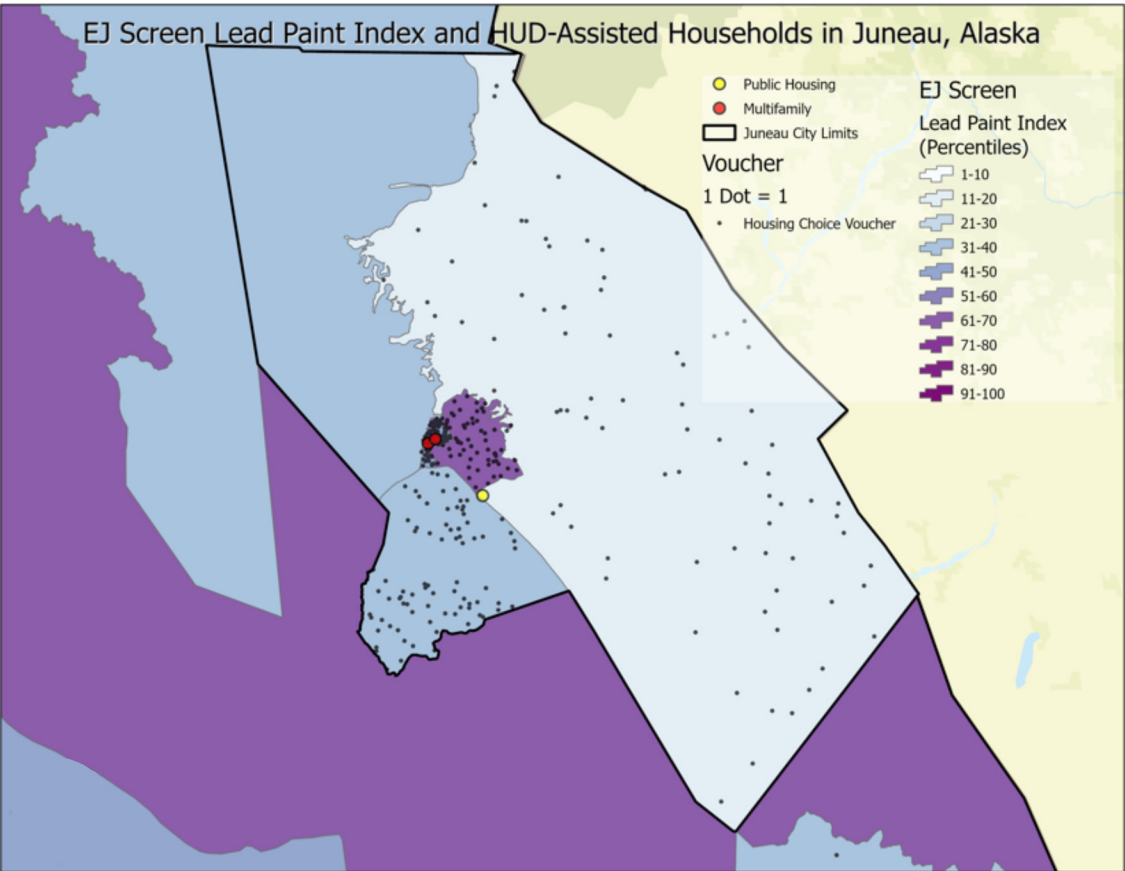
Mapping Examples: EJSREEN + HUD Housing Assistance Data



EJ Screen Lead Paint Index and HUD-Assisted Households in Des Moines, Iowa



EJ Screen Lead Paint Index and HUD-Assisted Households in Juneau, Alaska





Thank You!

