Spatial Roots of Health Disparities in Flint LEGEND 48505 Socioeconomic Disavidange 83% Black Residents Median Income: \$27,312 Socioeconomic Disadvantage Level High: Represents areas with the 48504 highest concentration of socioecoronomic and environmental burdens 67% Black Residents Moderate: Represents areas with Median Income: \$34,578 a medium concentration of burdens Low: Represents areas with the lowest concentration of burdens 48503 Policy & Environmental hdicators 50% Black Residents Median Income: \$38,572 Lead Exposure Industrial Zoning: Hotspots: Areas Areas zoned for with known high industriál use levels of lead exposure. 48506 48506 Industrial zoning 35% Black Residents Median Income: \$34,572 Median Income: \$44,932 48507 48519 20% Black Residents 20% Black Residents Median Income: \$56,952 Median Income: \$59,982 48439 48439 5% Black Residents 5% Black Residents Median Income: \$55,302 ZIP codes with high Black populations face compounded burdens:

Table 1: Zip Code Snapshot

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Zip Code	% Black Residents	Median Income	Disadvantage Level	Environmental Risk
48505	83%	\$27,312	High	Lead Exposure
48506	51%	\$30,212	High	Industrial Zoning
48439	8%	\$85,551	Lowest	None

What This Map Reveals?

This heat map visualizes Flint's ZIP-coded disparities in race, income, and environmental risk.

- Red zones (e.g., 48505): High % Black residents, low income, lead exposure, industrial zoning
- Green zones (e.g., 48439): Low % Black residents, high income, minimal environmental burden

populations face
compounded burdens:
poverty, pollution, and
poor health outcomes
- Statistical analysis
confirms significant racial
disparities in income,
home value,
unemployment, and
access to healthcare