



2024 MIAMI-DADE COUNTY VISION ZERO ACTION PLAN



March 2024

MESSAGE FROM MIAMI-DADE COUNTY MAYOR

DANIELLA LEVINE CAVA



Dear Miami-Dade County Residents, Businesses, Visitors, and Workers,

Public safety is a fundamental human right. That includes the right to travel safely, regardless of mode. That is why we are investing in safe transportation options, whether driving, cycling, walking, or using public transportation.

Regrettably, too many in our community have suffered the pain of losing a loved one to a traffic crash on our roads. From 2018 to 2022, 1,593 of our friends, family, and colleagues in Miami-Dade tragically lost their lives. We must eliminate these fatalities and life-changing injuries, which are caused by distracted or impaired driving, speeding, or roadway designs that prioritize vehicular traffic over the safety of our pedestrians and cyclists.

Our Vision Zero initiative is a bold declaration of our intent to eliminate fatal and severe traffic injuries in Miami-Dade by 2040. The Department of Transportation and Public Works (DTPW) continues to prioritize safety for all road users in projects that make our streets safer. Significant advancements have been made since the adoption of the Vision Zero Framework in 2021, and we must continue on our path toward zero fatalities and serious injuries.

Our progress is highlighted in this 2024 Vision Zero Action Plan, which identifies roads with the highest safety risks, and outlines a plan to achieve our goals. My administration remains committed to working closely with federal, state, and local partners to implement the recommendations outlined in this Action Plan.

While your county government puts resources into building safer roadways, we all share the responsibility of promoting road safety by wearing our seat belts, driving sober and undistracted, and respecting speed limits.

Together, we can improve health and protect each other across Miami-Dade.

Sincerely,

A handwritten signature in black ink that reads "Daniella Levine Cava". The signature is written in a cursive, flowing style.

Daniella Levine Cava
Mayor, Miami-Dade County

MESSAGE FROM EULOIS CLECKLEY, DIRECTOR AND CEO, DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Dear Miami-Dade Residents,

In 2022, there were more than 3,536 fatalities due to motor vehicle traffic crashes in Florida, of which 9% occurred in Miami-Dade County. These tragic deaths happened during routine activities such as going to work, school, or running errands. It is crucial to recognize that these fatalities can be prevented and are unacceptable. The Vision Zero Action Plan aims to create a County where everyone can travel to their homes, schools, or places of worship without the risk of serious injury or death.



While progress has been made since the 2021 Vision Zero Framework Plan, there is still much to be done. The Department of Transportation and Public Works (DTPW) has taken measures such as evaluating new mid-block pedestrian crossings, increasing the attentiveness and awareness of vulnerable road users through bicycle lane treatments, signalization, improved roadway geometry, and adding traffic calming measures in neighborhoods to make streets safer. Additionally, DTPW's ongoing Vision Zero education and outreach efforts are reaching residents of all ages across the County. Despite these efforts, the number of severe and fatal injury crashes remains too high.

In this 2024 Action Plan, we share the steps our Vision Zero Program will take over the next five years to implement the necessary policies and infrastructure improvements on the corridors that will generate the greatest impact toward reducing fatal and serious injury crashes. This Action Plan focuses on creating streets for everyone, ensuring safe sidewalks and bicycle corridors, improving safety around bus stops and stations, and fixing dangerous intersections. DTPW will continue to work with our local, state, and federal partners to ensure that funds are committed to prioritizing safety.

Miami-Dade County is an excellent place for living, working, and playing. DTPW is dedicated to enhancing street safety for all individuals and ensuring that our transportation system provides a secure and sustainable future for our community.

Sincerely,

A handwritten signature in blue ink, appearing to read 'E. Cleckley'.

Eulois Cleckley, Director and CEO, Department of Transportation and Public Works

EXECUTIVE SUMMARY



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Vision Zero Program Background

Miami-Dade County's Vision Zero initiative began in 2018 as the Miami-Dade Transportation Planning Organization (TPO) launched the County's first [Vision Zero Plan](#). In 2021, Miami-Dade County Mayor Daniella Levine Cava, and the County Commission, prioritized the [Vision Zero Program](#) (the Program) and set the goal to end traffic fatalities and serious injuries in Miami-Dade County. With this commitment came the development of the [2021 Vision Zero Framework Plan](#), in collaboration with multiple stakeholders. This plan identified the roadway safety problems in the County, noted contributing factors, calculated crash types by road users and high-risk road features, performed an equity assessment, and outlined priorities and proven safety countermeasures to improve safety at higher risk locations.

County Demographics & Equity Areas

Planning a safe and connected transportation network that serves the access needs of the diverse residents and visitors of Miami-Dade County is paramount. Based on 2021 Census data, Miami-Dade County ranks as the seventh most populous county in the United States, with a population of approximately 2.71 million people. Miami-Dade is also the only Florida county represented within the nation's top 15 largest counties (U.S. Census, 2023). Nearly 70% of Miami-Dade County residents identify as Hispanic or Latino and 20% of the population is under 18 years of age (United States Census Bureau, 2022).

The United States Department of Transportation (USDOT) Justice40 Initiative's Equitable Transportation Community (ETC) Explorer, which defines transportation disadvantaged communities based on five factors (Transportation Insecurity, Climate and Disaster Risk Burden, Environmental Burden, Health Vulnerability, and Social Vulnerability), illustrates that 62% (1,554) of the 2018-2022 Killed or Seriously Injured (KSI) crashes on county and municipal roads occurred within equity areas (see the Vision Zero Data Update section for more information).

Disproportionate Traffic Safety Impacts

Numerous studies have demonstrated that the most crash-vulnerable roadway users and census tracts show a strong correlation with those considered most disadvantaged through socio-economic and demographic analyses. The Miami-Dade County Vision Zero 2021 Framework Plan identified that geographic locations disproportionately impacted by high-injury road crashes (also called Equity Priority Areas), also were correlated with the highest crash rates, and included areas with higher concentrations of low-income households, zero-vehicle households, and minority (non-white) populations. Furthermore, non-vehicular roadway users (bicyclists, pedestrians, transit riders, scooter riders, etc.) are disproportionately and adversely impacted by traffic safety issues compared with drivers.

Action Plan Development

This Action Plan was developed in close coordination with a Technical Committee comprised of representatives from DTPW's Construction, Highway Design, Traffic Operations, Transit Infrastructure, Service Planning, and Multimodal Planning, as well as the County's Parks, Recreation and Open Spaces (PROS) Department. The Technical Committee provided valuable feedback on crash scaling factors for developing the High-Injury Network (HIN), Key Performance Indicators (KPIs), and Key Action Commitments (KACs) during plan development.

In addition, recognizing the breadth of this plan's geographic scope, the project team hosted two Vision Zero Municipal Workshops and one-on-one meetings with municipalities to better understand their place-specific safety priorities and to collaborate on the Vision Zero messaging. Municipalities were encouraged to share their top three safety priorities based

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on their own previous or ongoing safety analyses. This feedback is listed in the Municipal Safety Priorities section.

An Urgent Call to Action

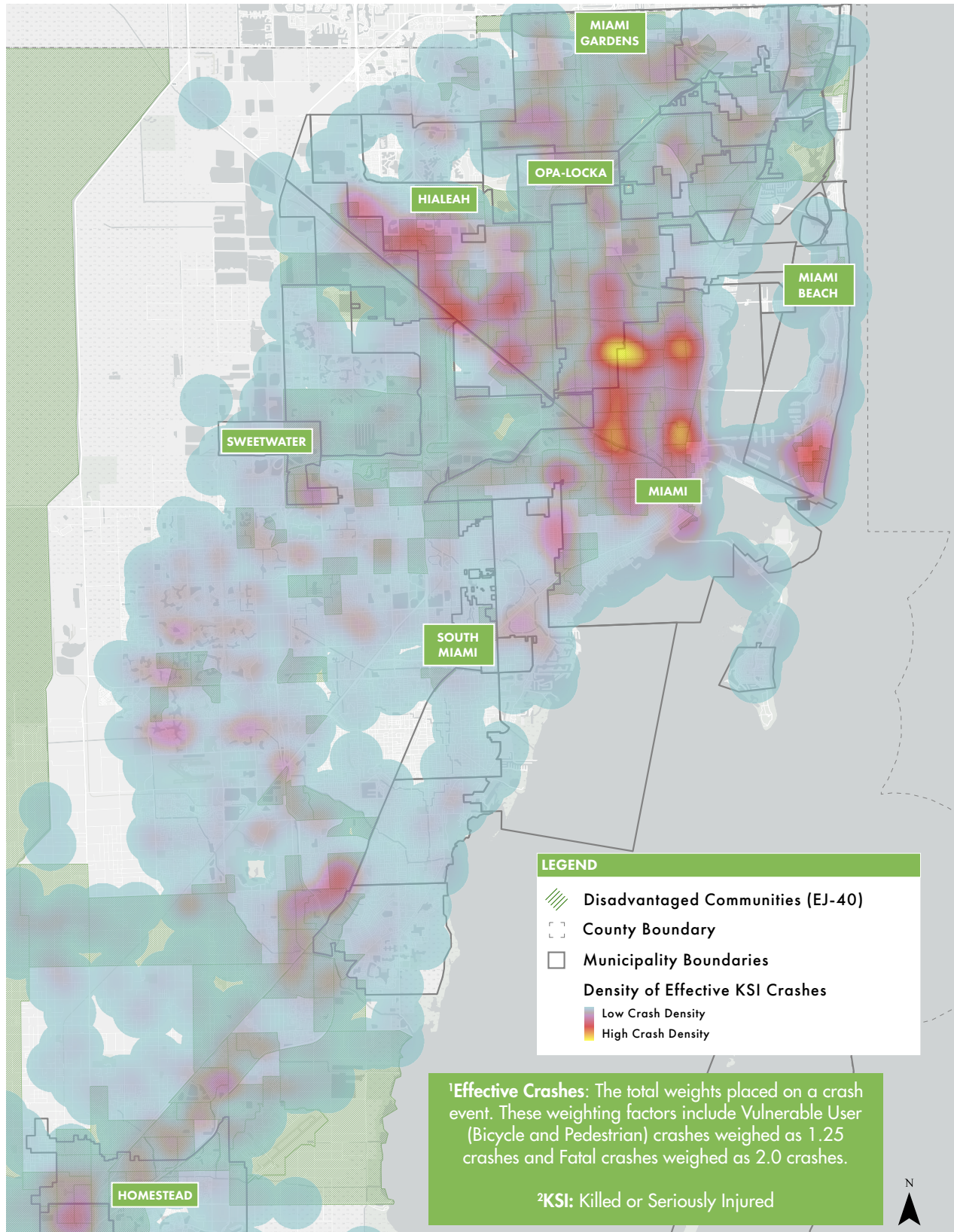
This Action Plan is driven by a profound understanding of the primary goal at hand: improving road safety for all individuals, regardless of their background or mode of transportation. To underscore the importance of this mission, the Plan places a significant emphasis on personal narratives. Heartbreaking stories of Miami residents who have tragically lost their lives on the county's transportation network are shared to commemorate their lives and communicate the impact of fatal crashes on our families, friends, and communities. These narratives serve as poignant reminders of the lives affected by road accidents and reinforce the urgency and significance of our efforts.

VISION ZERO DATA UPDATE



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Figure 1: Heat Map Showing Density of Effective¹ KSI² Crashes

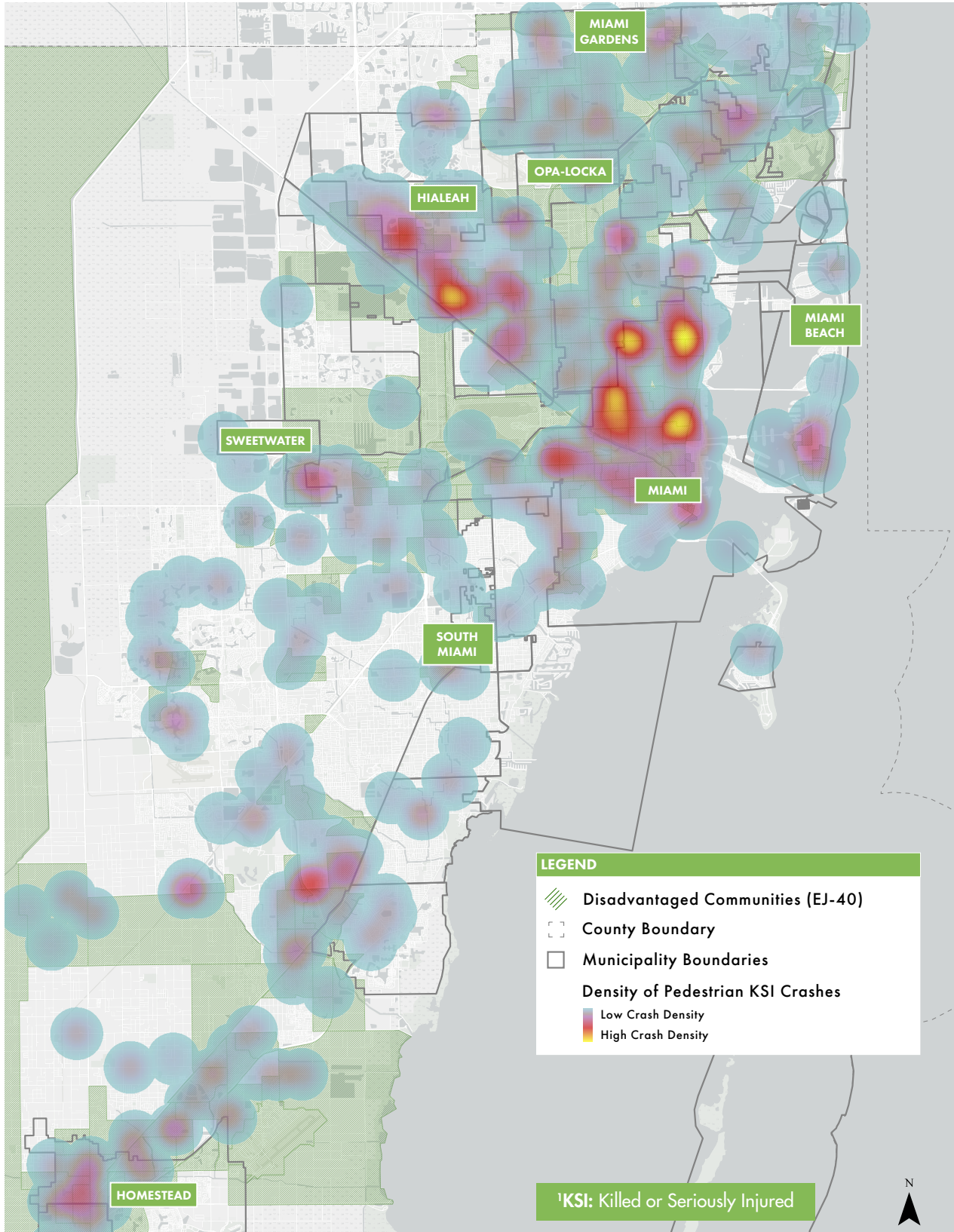


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Figure 2: Heat Map Showing Density of Pedestrian KSI¹ Crashes

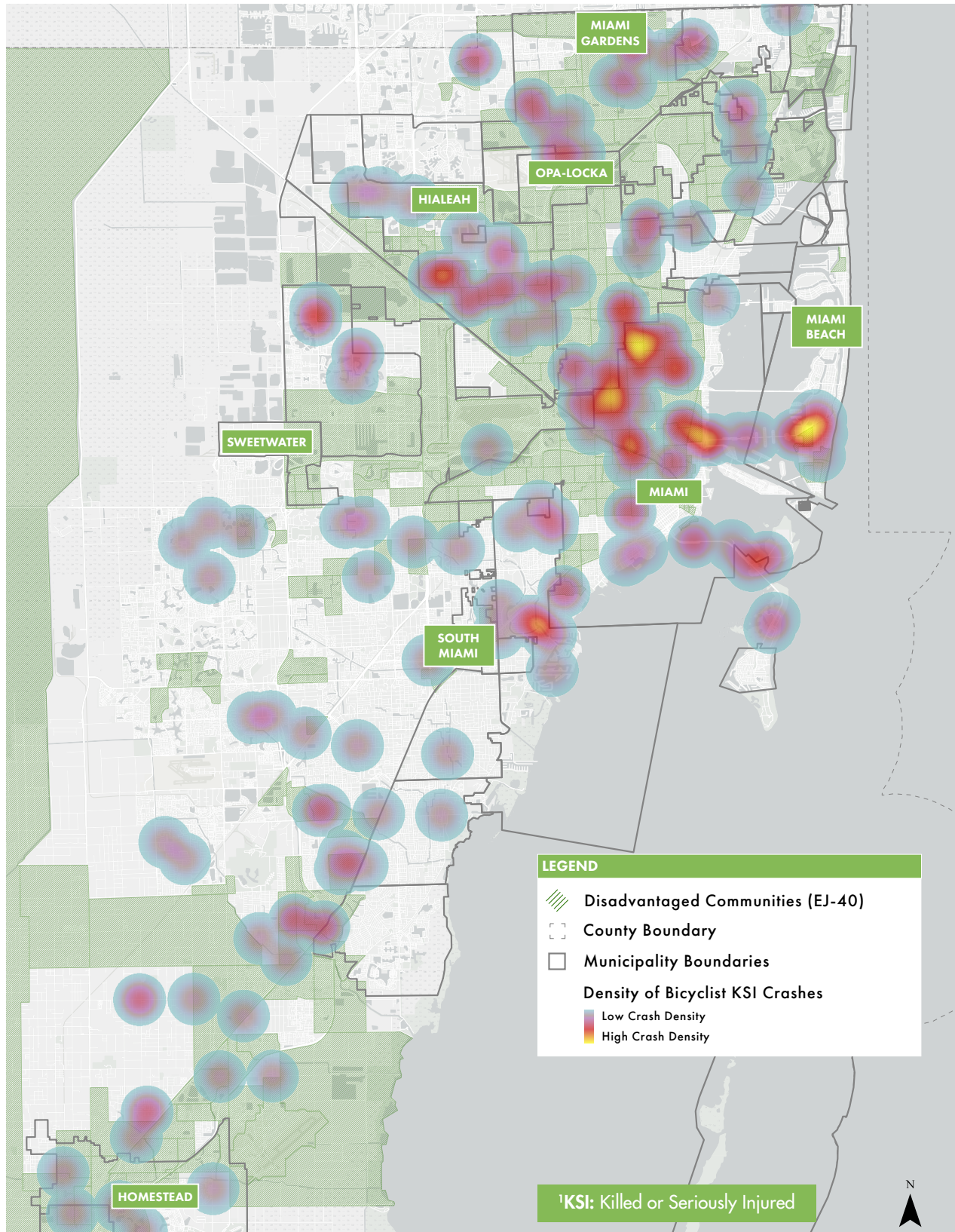


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Figure 3: Heat Map Showing Density of Bicyclist KSI¹ Crashes



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Figure 4: Miami-Dade County High-Injury Network Map

