CUMULATIVE IMPACT ASSESSMENT
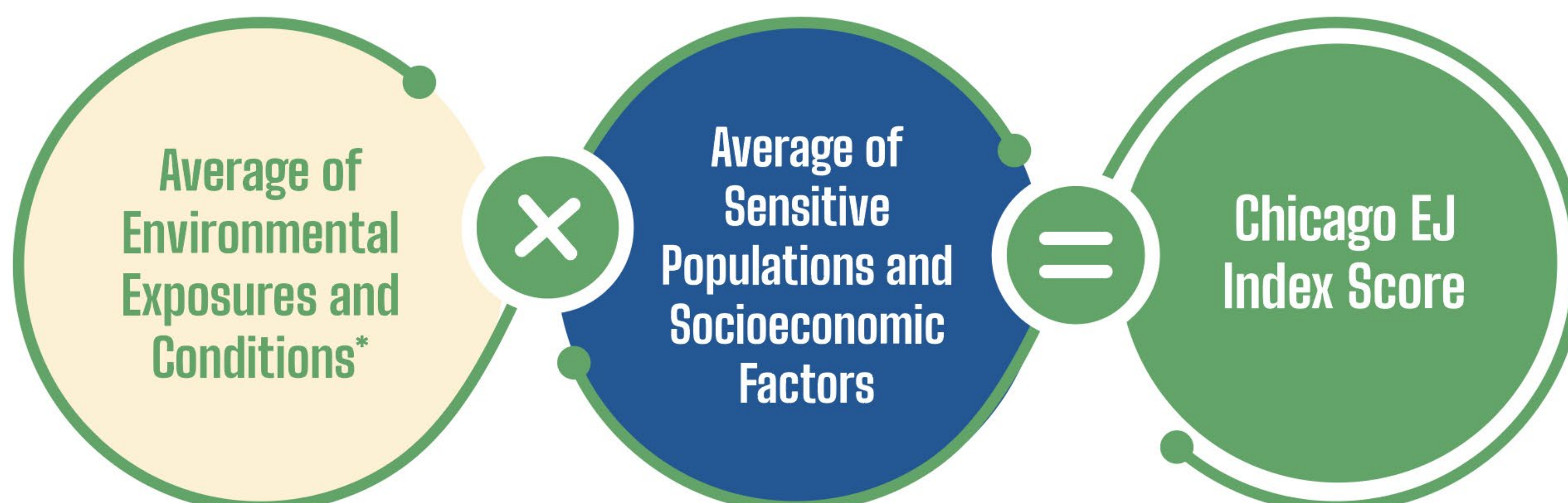## CHICAGO INDEX METHODOLOGY

Chicago EJ Index Indicators

Component	Indicator
Environmental Exposures	Air Toxics All-Organ Hazard Index
	Air Toxics Cancer Risk
	Childhood Lead Poisoning
	Diesel Particulate Matter (PM)
	Ozone
	Particulate Matter 2.5 (PM2.5)
	Toxic Releases
	Traffic Proximity and Volume
Environmental Conditions	Proximity to Consequential Facilities
	Proximity to Freight Rail Lines
	Proximity to Hazardous Waste Facilities
	Proximity to Polluted Sites
	Proximity to Risk Management (RMP) Sites
	Proximity to TRI Facilities
	Proximity to Wastewater Discharge
Sensitive Populations	Asthma
	Coronary Heart Disease
	Disability
	Low Birthweight
	Old Age
	Young Age
Socioeconomic Factors	Housing Burdened, Low Income Households
	Less than High School Education
	Linguistic Isolation
	Low Income
	No Health Insurance
	People of Color
	Unemployment

The Chicago EJ Index is built upon Chicago's 2020 Air Quality & Health Index, which itself is based on the CalEnviroScreen model for cumulative impacts. The model is place-based and provides information for the entire City of Chicago at the geographic level of census tract, to allow comparisons between individual communities. The model includes Pollution Burden (including components for Environmental Exposures and Environmental Conditions), as well as Population Characteristics (including components for Sensitive Populations and Socioeconomic Factors).

Figure 2. Chicago EJ Index Equation

Average of Environmental Exposures and Conditions* **×** Average of Sensitive Populations and Socioeconomic Factors **=** Chicago EJ Index Score

*Environmental Conditions is weighted half as much as the Environmental Exposures because the Condition indicators represent **risk** of exposure, whereas Exposure indicator represent **actual measured** exposures.

CHICAGO