

Environmental Justice Index Cook County, Illinois

The **Environmental Justice Index (EJI)** measures the cumulative impacts of environmental injustice in communities across the United States. The EJI ranks are based on percentile rankings of all tracts in the contiguous United States¹.

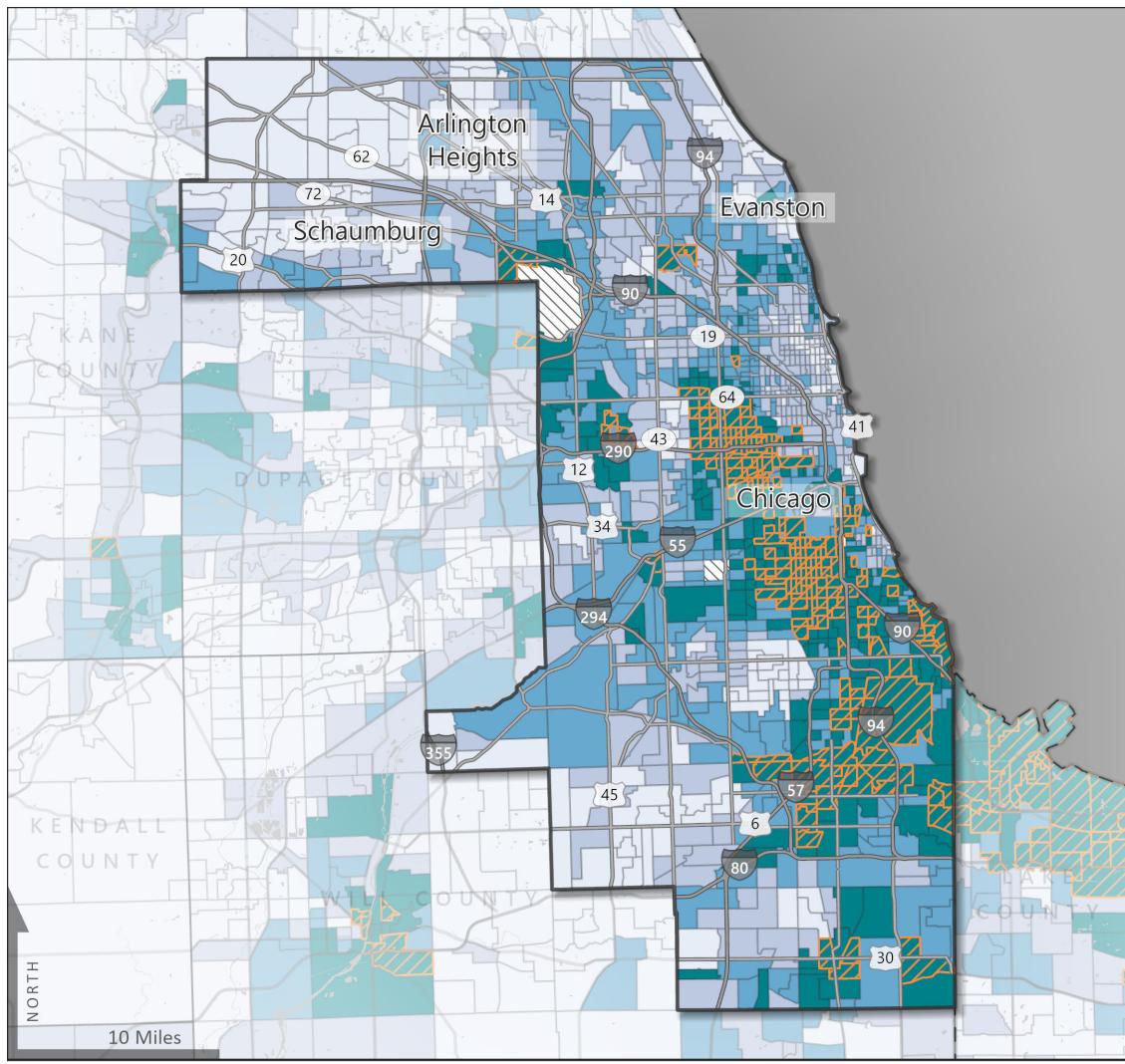
The EJI ranks communities on 36 indicators and 3 modules, which are then combined to create 1 overall EJI rank.

36 Environmental, Social, and Health Indicators

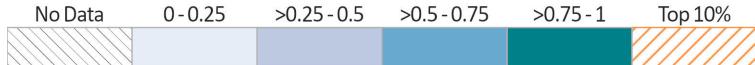
3 Overarching Modules

1 EJI Rank

1,451,788 | Number of Cook County Residents Living In **Highly Burdened Areas**



EJI Rank (by U.S. Census Tract)



Increasing Burden →

¹Alaska, Hawaii, and territories were not included due to data limitations.

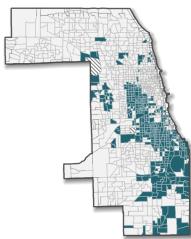


Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index Cook County, Illinois

Indicator View



436 of 1,328 tracts are Highly Burdened

Highly burdened tracts for **Cook County** are tracts with **EJI ranks of > 0.75**. These are tracts that might need special attention or additional action when addressing environmental injustice and health inequities.

Indicator Rank Distribution

Among these 436 tracts, which **environmental burden** and **social vulnerability** indicators are contributing the most to burden? The figures below display the number of tracts by categories of burden or vulnerability. Higher numbers to the right indicate more tracts experiencing high burden.

Environmental Burden

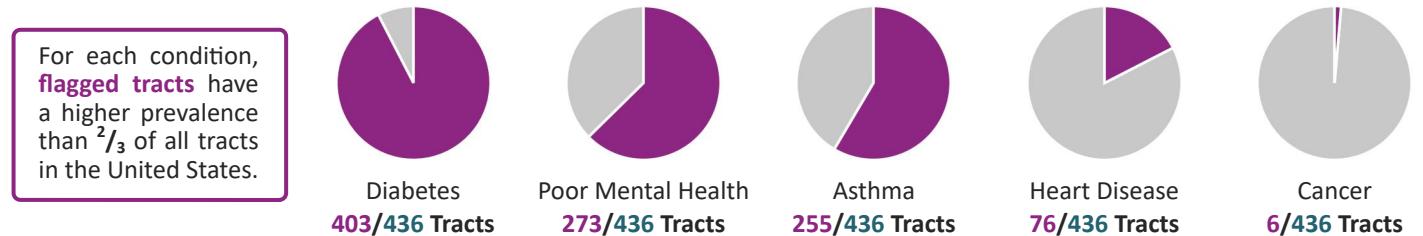
Burden			
		2	434
		9	427
4	2	14	416
12	8	37	379
8	16	76	336
	35	66	335
81	8	103	244
227		23	186
413			23
425			11
124	303		9
314	119	1	2
		436	
10	23	403	
436			
436			
436			

Social Vulnerability

Vulnerability			
1	4	10	421
		9	347
11	34	55	336
1	15	94	326
9	37	119	271
5	38	123	270
7	56	118	255
22	65	133	216
103	66	64	203
74	82	104	176
61	85	123	167
192	73	97	74
155	121	91	69
339	17	67	13

Health Vulnerability

Among these 436 tracts, how many are **flagged for high prevalence** in the following pre-existing chronic health conditions?



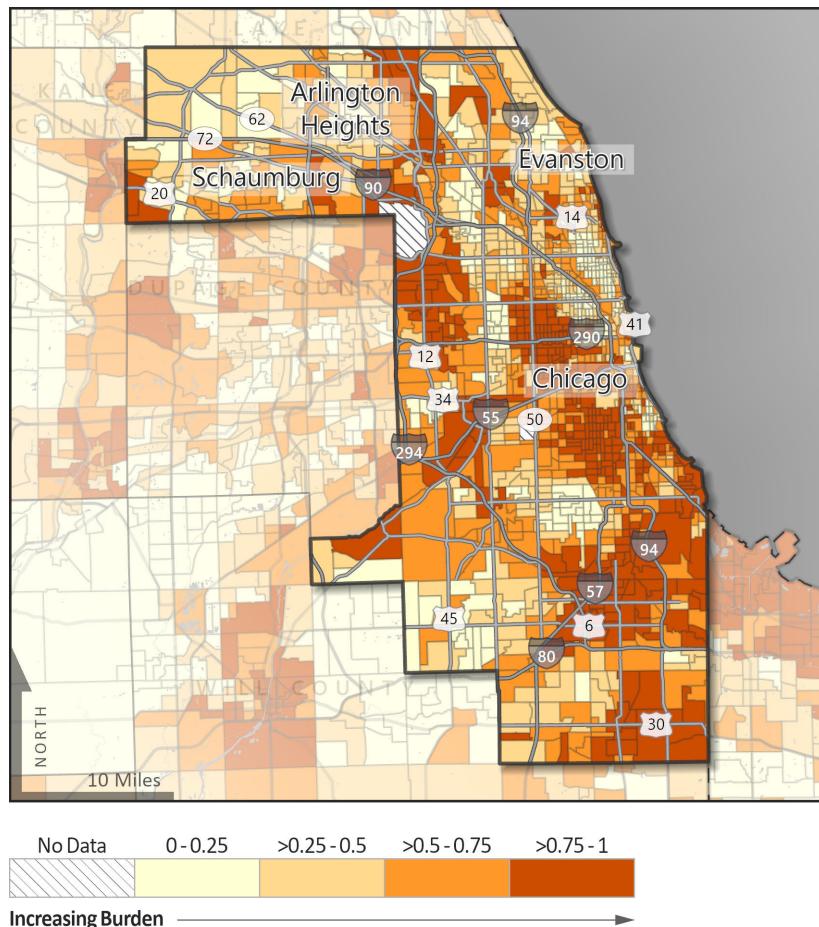
Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index Cook County, Illinois

EJI + Climate Burden

The **EJI + Climate Burden** Rank is a supplement to the base EJI Rank. The supplement measures cumulative impacts, including climate-related burdens, on the health of U.S. communities. **EJI + Climate Burden** is based on the ranks for all 3 base EJI Modules and the **EJI Climate Burden Module** Rank.



Highly burdened tracts for **Cook County** are tracts with **EJI + Climate ranks of > 0.75**. Climate burdens can add to existing burdens and stressors.

Among these **373** tracts, indicators are listed in order of contribution to burden. For each indicator, the figure displays the number of tracts that fall into progressively higher categories of burden or vulnerability.

Climate Burden

Burden →		373	
↑ Contribution to Burden	373		Wildfire Smoke
	373	147	Strong Winds
226			Riverine Flooding
	332	41	Extreme Heat Days
369			Tornado
	30		Drought
343			Hurricane
357	16		Wildfire Proximity
373			Coastal Flooding
373			

Questions? Email eji_coordinator@cdc.gov or visit <https://eji.cdc.gov>

Notes: For more information on data selection, data sources, and on the methodology used to calculate indicators and EJI ranks, please see the EJI Technical Documentation located at: https://www.atsdr.cdc.gov/placeandhealth/eji/technical_documentation.html

Data Sources: U.S. Census Bureau American Community Survey; U.S. Environmental Protection Agency: AirToxScreen, AQS, FRS, NWI, WSIO; U.S. Mine Safety and Health Administration Mine Data Retrieval System; U.S. Geological Survey PAD-US 4.0; U.S. Department of Transportation National Transportation Atlas Database; U.S. Department of Transportation National Highway System; OpenStreetMap; U.S. Centers for Disease Control and Prevention PLACES data; Agency for Toxic Substances and Disease Registry



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention

