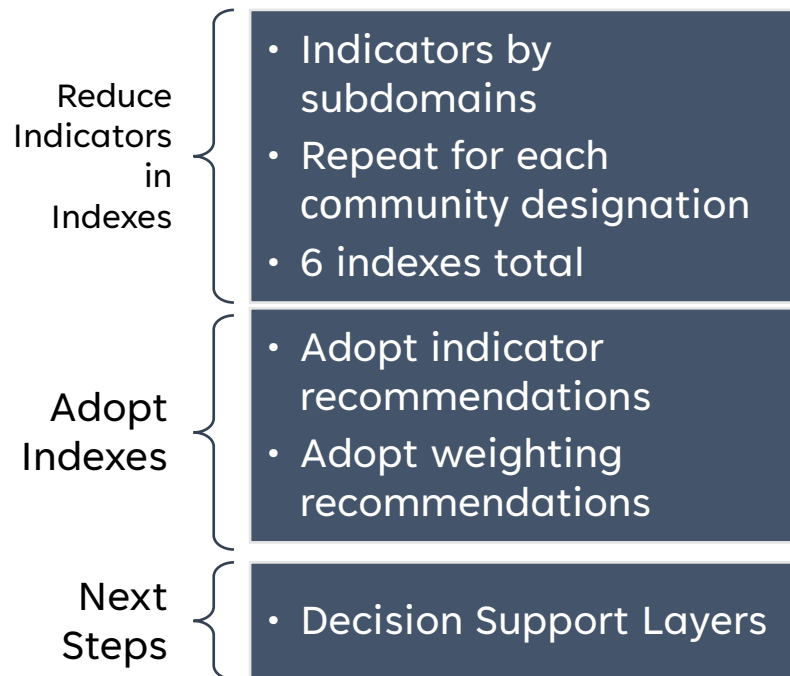




OREGON EJ MAPPING TOOL UPDATES

ENVIRONMENTAL JUSTICE MAPPING TOOL INDEXES OVERVIEW



Indicator Considerations

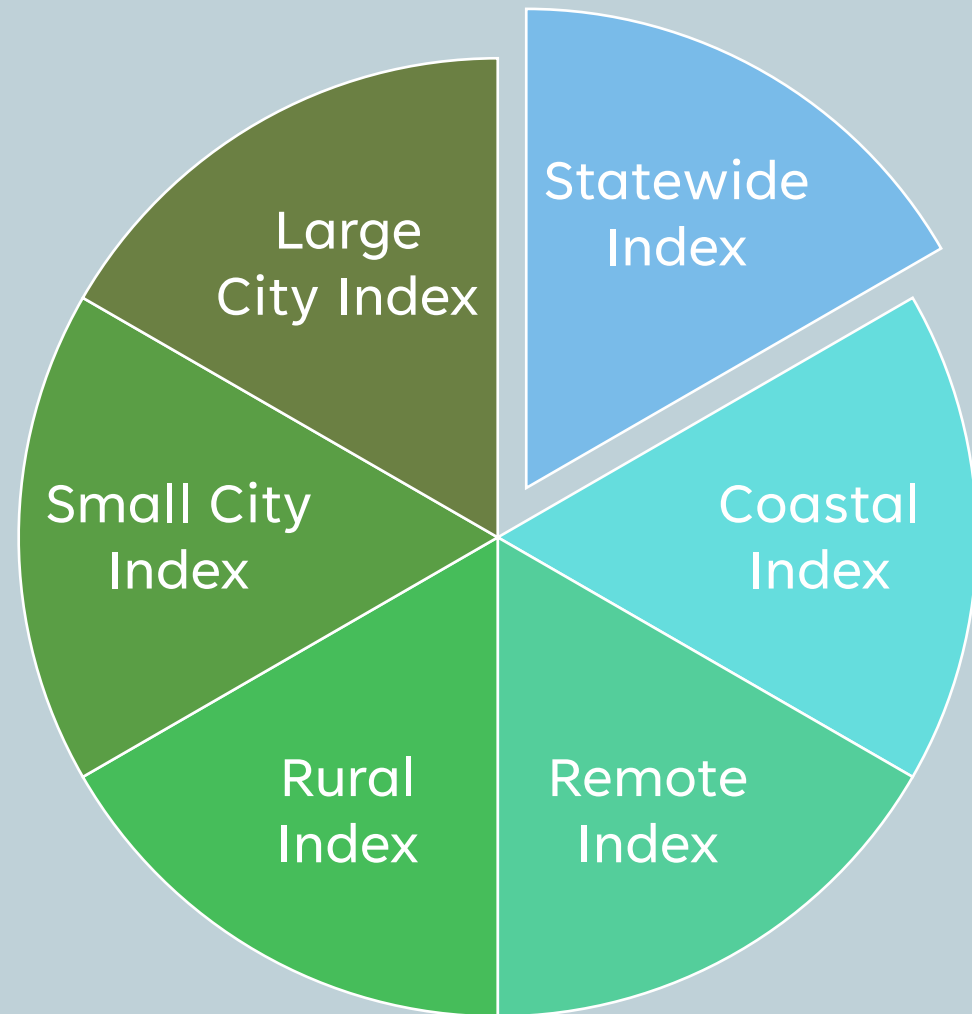
- EJC adopted [indicator criteria](#)
- Indicator references in [HB 4077](#)
- [Statistical relationship with life expectancy](#)
- Correlation with other indicators
- Variation in indicator scores
- Community input
- Subject matter expert input
- Opportunities to improve conditions

Community Designations Considerations

- Subdomain indicator recommendations will vary by designation type
- Community designation indicator determinations are evaluated independently

ENVIRONMENTAL JUSTICE MAPPING TOOL INDEX TYPES

There will be six separate indexes for Oregon's Environmental Justice Mapping Tool. Each community will have a score based on the Statewide Index and the community designation they fall under.



SUBDOMAINS

Each community designation will include subdomains with indicators that are reflective of that community designation.

Community designation indicator determinations are evaluated independently.

Environmental Exposures

Environmental Hazards

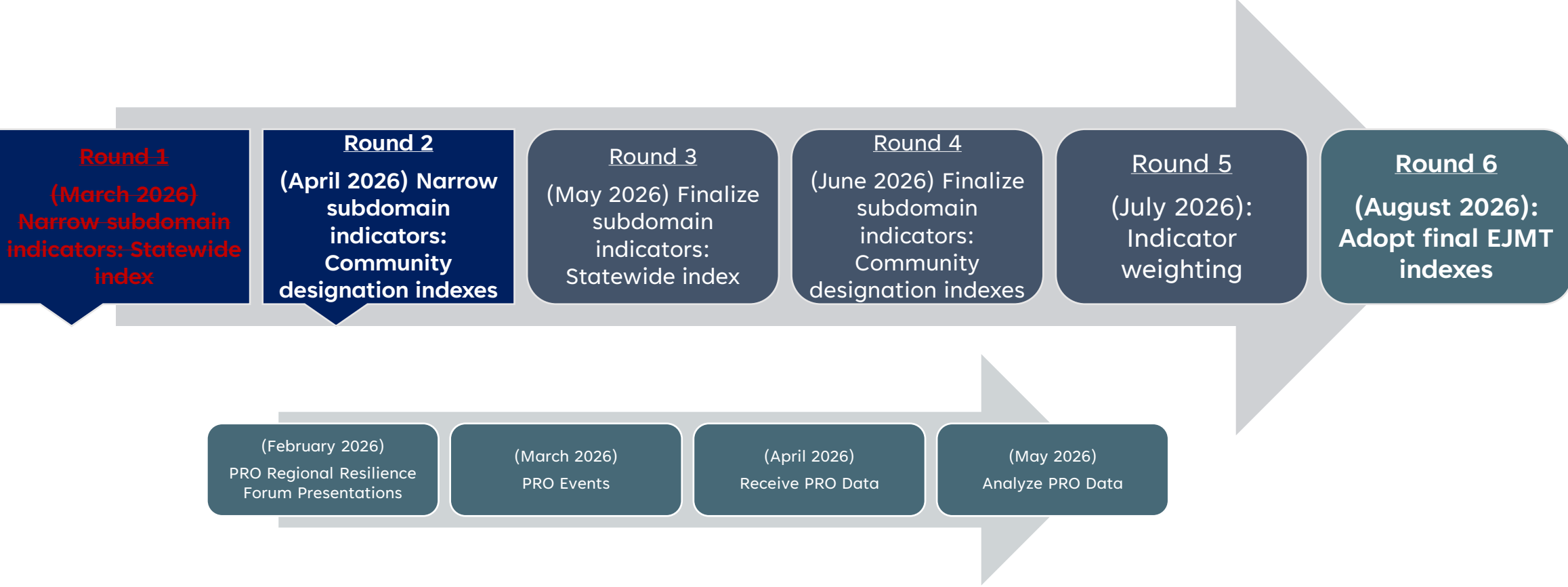
Climate Change Risk

Built Environment

Human Health

Demographic & Social Factors

EJMT NEXT STEPS



ENVIRONMENTAL EXPOSURES SUBDOMAIN BY INDEXES

Dropped Indicators

None

Indicator	Statewide	Coastal	Remote	Rural	Small City	Large City
Air Quality Index (AQI) Unhealthy Days	✓	✓	✓	✓	✓	✓
Cancer Risk for Diesel Particulate Matter (PM)	✓	✓	✓	✓	✓	✓
Drinking Water Contaminants Index	✓	✓	✓	✓	✓	✓
Transportation Noise Pollution	✓	✓	✓	✓	✓	✓
Lead Exposure Index	✓	✓	✓	✓	✓	✓
Cancer Risk minus Diesel PM	✓	✓	✓	✓	✓	✓
Permitted Air Pollution Sites	✓	✓	✓	✓	✓	✓
TOTALS BY SUBDOMAIN	7	7	7	7	7	7

ENVIRONMENTAL HAZARDS SUBDOMAIN BY INDEXES

Dropped Indicator –
Small City

Residential Buildings in
Wildfire Burn Areas

Indicator	Statewide	Coastal	Remote	Rural	Small City	Large City
Cleanup Sites	✓	✓	✓	✓	✓	✓
Earthquake Risk	✓	✓	✓	✓	✓	✓
Groundwater Threats	✓	✓	✓	✓	✓	✓
Hazardous Material Storage	✓	✓	✓	✓	✓	✓
Hazardous Waste Facilities	✓	✓	✓	✓	✓	✓
Impaired Water Bodies	✓	✓	✓	✓	✓	✓
Landslide Risk	✓	✓	✓	✓	✓	✓
Residential Buildings in Wildfire Burn Areas	✓	✓	✓	✓	—	✓
Tsunami Risk	—	✓	—	—	—	—
Wastewater Discharge	✓	✓	✓	✓	✓	✓
TOTALS BY SUBDOMAIN	9	10	9	9	8	9

DROPPED INDICATOR RATIONALE – ENVIRONMENTAL HAZARDS

Residential
Buildings in
Wildfire Burn
Areas

- Impacted Communities: Small City
- Census tracts with Wildfire Burn Areas in the Small City Index do not have residential buildings

Tsunami Risk

- Impacted Communities: Coastal
- Tsunami Risk is only recommended for the Coastal Index because it is the only index impacted.

CLIMATE CHANGE RISKS SUBDOMAIN BY INDEXES

Dropped Indicators

Days Above 90F

Heat Vulnerability Index

Extreme Precipitation
Events (Coastal Only)

Extreme Snow Events
(Coastal Only)

Indicator	Statewide	Coastal	Remote	Rural	Small City	Large City
Coastal Flooding	—	✓	—	—	—	—
Crab & Shellfish Harvest Closures	—	✓	—	—	—	—
Days Below 32°F	✓	✓	✓	✓	✓	✓
Days with Max Temp $\geq$ 90th Percentile	✓	✓	✓	✓	✓	✓
Drought	✓	✓	✓	✓	✓	✓
Extreme Snow Events	✓	—	✓	✓	✓	✓
Extreme Wind Events	—	✓	—	—	—	—
Fire Weather Index Events	✓	✓	✓	✓	✓	✓
Flood Risk	✓	✓	✓	✓	✓	✓
Heat Index Days > 90°F	✓	✓	✓	✓	✓	✓
Wildfire Risk	✓	✓	✓	✓	✓	✓
TOTALS BY SUBDOMAIN	8	10	8	8	8	8

DROPPED INDICATOR RATIONALE – CLIMATE CHANGE RISKS

Days Above 90F

- Impacted Communities: All
- Days Above 90F is not advancing because it is too similar to Heat Index Days Above 90F which is the preferred indicator

Extreme Precipitation Events

- Impacted Communities: Coastal
- Extreme Precipitation Events is not advancing in the Coastal Index because extreme precipitation is being captured in Coastal and Riverine flooding indicators

Extreme Snow Events

- Impacted Communities: Coastal
- Extreme Snow Events is not advancing in the Coastal Index because Days Below 32F is more relevant for Coastal communities, and one indicator must be dropped

Heat Vulnerability Index

- Impacted Communities: All
- Heat Vulnerability Index is not advancing because several of the indicators in the index have already been submitted to Subdomain Climate Change Risks

BUILT ENVIRONMENT SUBDOMAIN BY INDEXES

Dropped Indicators

Fire Station Operations
Reach

Housing +

Transportation Index

Transit Service

Frequency

Vehicle Miles Traveled

Indicator	Statewide	Coastal	Remote	Rural	Small City	Large City
Access to Healthcare (Distance to Healthcare)	✓	✓	✓	✓	✓	✓
Community Design Index	✓	✓	✓	✓	✓	✓
Digital Equity / No Internet Access	✓	✓	✓	✓	✓	✓
Food Insecurity	✓	✓	✓	✓	✓	✓
Park Access	✓	✓	✓	✓	✓	✓
Preservation of Affordable Housing	✓	✓	✓	✓	✓	✓
Traffic Injuries & Fatalities	✓	✓	✓	✓	✓	✓
Urban Tree Canopy	✓	✓	✓	✓	✓	✓
TOTALS BY SUBDOMAIN	8	8	8	8	8	8

Community Design Index combines walkability index, impervious surfaces, and population density.

DROPPED INDICATOR RATIONALE: BUILT ENVIRONMENT

Fire Stations Operations Reach

- Impacted Communities: All
- Fire Station Operations Reach is highly correlated with Access to Healthcare which is cited in HB4077

Housing + Transportation Index

- Impacted Communities: All
- This information in the Housing + Transportation Index is duplicative with indicators that are already in the Built Environment subdomain for all indexes

Transit Services Frequency

- Impacted Communities: All
- The information in the Transit Services Frequency indicator is included in the Community Design Index
- The Transit Services Frequency indicator could be improved since it **mostly** includes information from urban areas.

Vehicle Miles Traveled

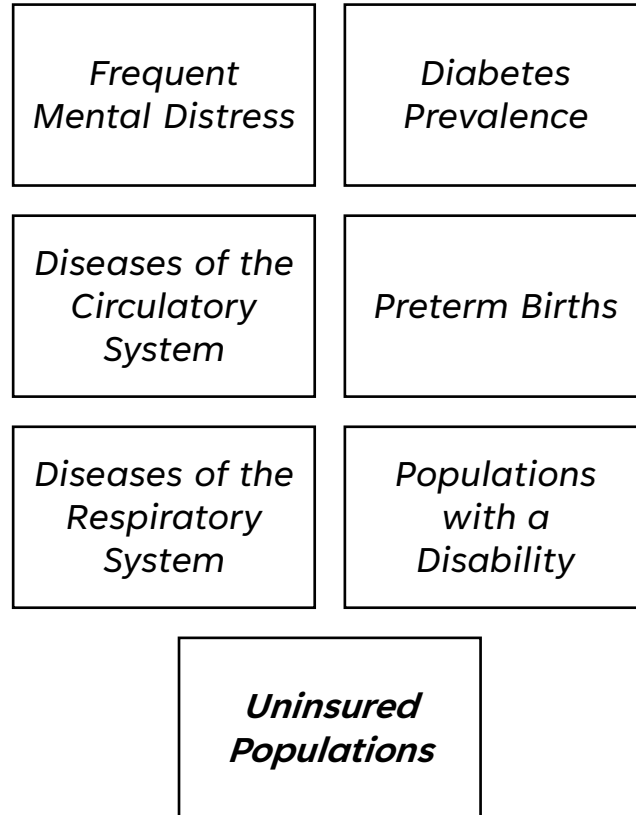
- Impacted Communities: All
- Vehicle Miles Traveled is highly correlated with indicators already submitted for the Built Environment subdomain

Impervious Surfaces

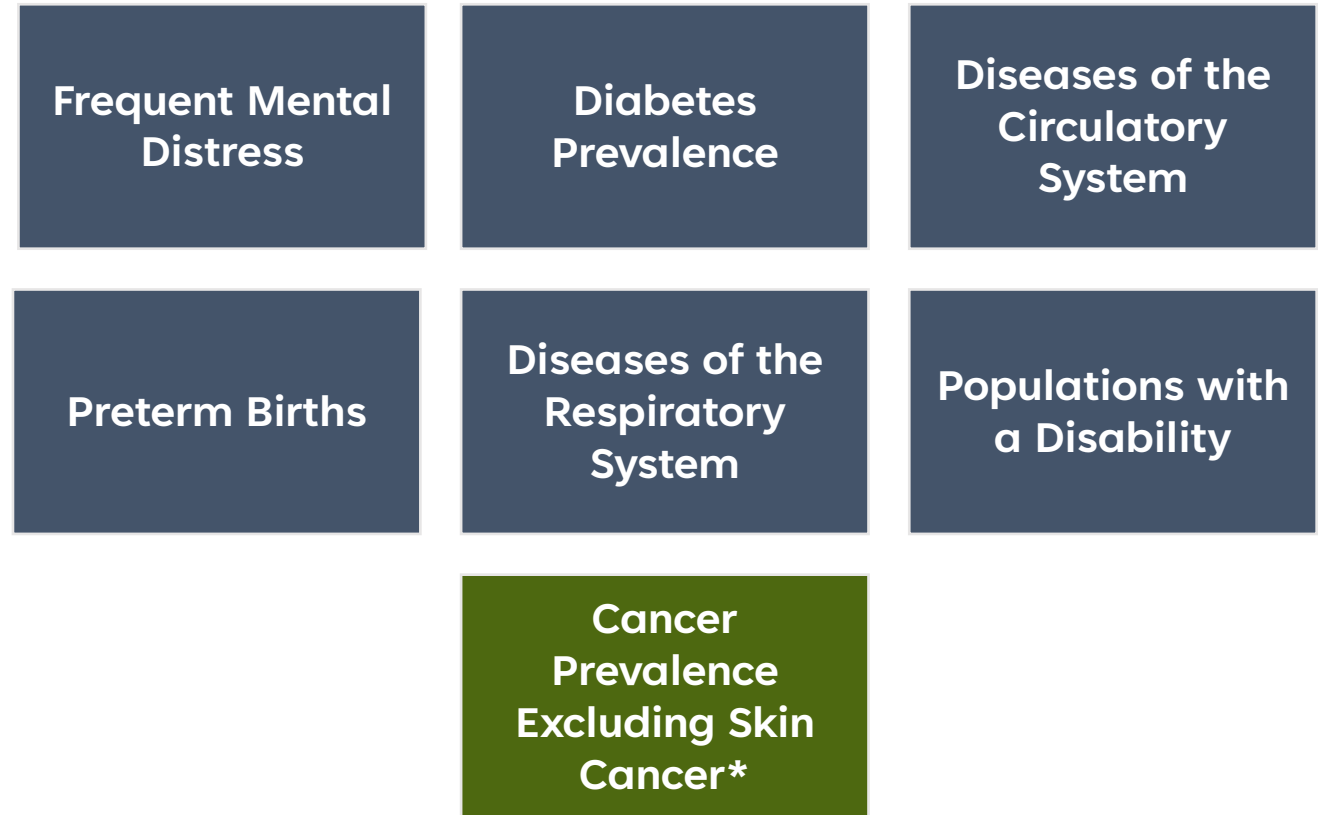
- Impacted Communities: All
- The Community Design Index combines the Impervious Surfaces indicator with Walkability Index and Population Density

HUMAN HEALTH INDICATORS – All Designations

PREVIOUS STATEWIDE INDEX



NEW STATEWIDE & ALL DESIGNATIONS



THE CANCER PREVALENCE EXCLUDING SKIN CANCER INDICATOR WAS PREVIOUSLY EXCLUDED FROM THE STATEWIDE INDEX. CANCER IS THE LEADING CAUSE OF DEATH IN OREGON.

UPDATED RATIONALE – HUMAN HEALTH

Human
Health
Indicators
(All)

- Indexes: All
- All human health indicators are recommended to advance for all community designations.
- Uninsured populations will transition to demographic and social factors for the final round of indicator reductions.

DEMOGRAPHIC & SOCIAL FACTORS SUBDOMAIN BY INDEXES

Dropped Indicators For All

Avg Commute Time to Work

Civic and Religious Orgs

Cultural Nonprofits

Occupants per Room

Dropped Indicators For Some

Disconnected Youth

Employment Hardships

Inheritance Proxy

Indicator	Statewide	Coastal	Remote	Rural	Small City	Large City
65+ Living Alone (Social Isolation)	✓	✓	✓	✓	✓	✓
Adults Without a College Degree	✓	✓	✓	✓	✓	✓
Below 150% of the Federal Poverty Level	✓	✓	✓	✓	✓	✓
Civic Disengagement	✓	✓	✓	✓	✓	✓
Disconnected Youth	✓	—	—	—	—	✓
Employment Hardships	—	✓	✓	✓	✓	—
Households in Rental Units	—	✓	✓	✓	✓	✓
Inheritance Proxy (Generational Wealth)	✓	—	✓	✓	✓	✓
Limited English Proficiency	✓	✓	✓	✓	✓	✓
No Vehicle Households	✓	✓	✓	✓	✓	✓
Population Under 5 Years Old	✓	✓	✓	✓	✓	✓
Vulnerable Employment	✓	✓	✓	✓	✓	✓
TOTALS BY SUBDOMAIN	10	10	11	11	11	11

DROPPED INDICATOR RATIONALE – DEMOGRAPHIC & SOCIAL FACTORS

Avg Commute Time

- Impacted Communities: All
- Average Commute Time is not advancing because it does not align with HB4077 or the other indicators recommended

Civic & Religious Orgs

- Impacted Communities: All
- Civic & Religious Organizations is not advancing because it does not measure how well these organizations are serving their communities.

Cultural Nonprofits

- Impacted Communities: All
- Cultural Nonprofits is not advancing because it does not measure how well organizations are serving communities

Occupants per Room

- Impacted Communities: All
- Occupants per Room is not advancing because the statistical contribution is included in other indicators.

DROPPED INDICATOR RATIONALE – DEMOGRAPHIC & SOCIAL FACTORS

Disconnected Youth

- Impacted Communities: Coastal, Remote, Rural, and Small City
- Disconnected Youth is not advancing because it has a weaker correlation with life expectancy at birth

Employment Hardships

- Impacted Communities: Large City
- Employment Hardships is not advancing in Large City because the lead indicator in the subdomain - Populations Earning Below 150% of Poverty Level

Inheritance Proxy

- Impacted Communities: Coastal
- Inheritance Proxy is not advancing because it has a weaker correlation with life expectancy at birth

LIFE EXPECTANCY AT BIRTH RESOURCES

The following resources provide additional context about why life expectancy at birth correlation is being used for indicator recommendations.

Life Expectancy at Birth Mapping

[Life Expectancy: Could where you live influence how long you live?](#)

Life Expectancy at Birth Quote: Robert Wood Johnson

When we talk about the opportunity to live a long life, there are a lot of factors at play: we call these **social determinants of health**. In short, these are conditions relating to where people live and work, such as economic status; access to education, employment, and housing; quality healthcare; and food insecurity, among many others. Health starts at home, at school, and at work—sometimes long before any illness appears.

One in five Americans live in neighborhoods with high rates of crime, pollution, inadequate housing, lack of jobs, and limited access to nutritious food. Here are a few ways in which social determinants of health affect these communities:

RESOURCES

[EJ Mapping Tool project page](#)

[Adopted Decision Points](#)

[Indicator Selection Criteria](#)

[EJMT Indicator Subdomain Comparisons as of 4/8/2026](#)

[Hot Spot Analysis DRAFT as of 3/31/2026 – Statewide](#)

[Hot Spot Analysis DRAFT as of 3/31/2026 – Coastal](#)

[Hot Spot Analysis DRAFT as of 3/31/2026 – Remote](#)

[Hot Spot Analysis DRAFT as of 3/31/2026 – Rural](#)

[Hot Spot Analysis DRAFT as of 3/31/2026 – Small City](#)

[Hot Spot Analysis DRAFT as of 3/31/2026 – Large City](#)



THANK YOU

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