

# Resource: GIS/Data Resources for Justice (SRLN 2017)



[Geographic Information System \(GIS\)](#) technology and data can provide useful information to drive decision making in the justice community. Here are some resources that can help.

## **Data**

[Geospatial datasets at data.gov](#)

[ArcGIS Online](#)

[Census Bureau's American Community Survey](#)

[List of 50+ Federal GIS Servers by Joseph Elfelt](#)

[Legal Services Corporation data and maps by Kris Reinertson](#)

[National Equity Atlas](#)

[National Coalition for a Civil Right to Counsel - Interactive Map](#)

[Justice Index](#)

An index that scores and ranks the 50 states, District of Columbia, and Puerto Rico on their adoption of selected best practices for ensuring access to justice. It relies on findings, indicators, indexing and other data-analytics tools to gauge a person's access regardless of whether a lawyer is used, English is spoken and understood, or that person has a physical or mental disability.

[Wikipedia Listing of GIS data sources](#)

## **Examples of GIS and Geographic Analysis**

[SRLN's Map Gallery](#)

This gallery shows mapping applications created by SRLN using the Esri ArcGIS product suite including ArcMap and ArcGIS Online.

[What's In It For Me? How to Use Geospatial Data Visualization to Inform and Engage Decision Makers](#)

Map series created by SRLN in partnership with The Florida Bar Foundation using ArcGIS product suite.

[Illinois Supreme Court Commission on Access to Justice Uses SRLN Maps for Statewide Strategic Planning](#)

Map series created by SRLN using ArcGIS product suite.

## **[America's Civil Courts: Whom Do We Serve?](#)**

This story map application was created by SRLN using the Esri ArcGIS product suite including ArcMap and ArcGIS Online.

## **[Living Wage Calculator](#)**

From MIT professor Amy Glasmeier. Shows the differences between the minimum wage and a living wage for a family of four, a single parent with one child, and a single adult.

## **[The Equality of Opportunity Project](#)**

How can we improve economic opportunities for our children? They use mapping and big data to identify new pathways to upward mobility.

## **[Social Vulnerability Index](#)**

By the Center for Disease Control. Social vulnerability refers to the resilience of communities when confronted by external stresses on human health, stresses such as natural or human-caused disasters, or disease outbreaks.

## **[Kirwan Institute](#)**

[Child Opportunity Index](#) - collaborated with colleagues at Brandeis University to create this index of indicators for access to early childhood education centers thru web-based maps for the 100 largest metros.

[H.E.A.T. Report](#) for Wyandotte County, KS. We authored the report, which features analysis of patient-level data from two KC health care systems, as well as an array of other maps and analyses including the KC redlining map from the 30's overlaid with

present-day race distribution. I created a web-based map gallery featuring most of the maps.

[Toledo Lead Ordinance Report](#) with Advocates for Basic Legal Equality (ABLE) and the Toledo Lead Poisoning Prevention Coalition to pass an ordinance requiring rental property owners to have their properties inspected and certified lead safe before renting to families with children. As part of that work, Bob Cole, ABLE's lead attorney, and David Norris co-authored a report that included a GIS-based disparate impact analysis.

<http://kirwaninstitute.osu.edu/my-product/utilizing-gis-to-support-advocacy-and-social-justice/>

<http://kirwaninstitute.osu.edu/my-product/opportunity-mapping-issue-brief/>

### **Economic Health Index**

From Penn State's Poverty in America program

### **Data Analysis Framework**

This framework provides examples and instructions on how to use data to perform analyses that help legal services organizations identify efficient ways to offer high quality and effective services.

### **Bridging the Map: The Geography of Legal Need and Aid in Arkansas**

2016 Report by Nigel Halliday of Henrix College in collaboration with Amy Dunn Johnson of Arkansas Access to Justice. Examines the geographic imbalances in the distribution of legal aid and need in Arkansas. Assesses the shortage of rural attorneys in Arkansas, the state with the lowest per capita number of attorneys in the country. There is less than one attorney per thousand residents.

### **Access to Justice in Rural Arkansas**

March 2015 report by Lisa R. Pruitt, J. Cliff McKinney II, Juliana Fehrenbacher, and Amy Dunn Johnson. Presents gaps in numbers of attorneys in rural areas and proposes several methods for improving access for rural Arkansas.

### **[Anti-Eviction Mapping Project](#)**

This mapping collective provides insight on what is happening with housing, tenancy, evictions, and the affordable housing stock in the Bay Area.

### **[Track Predatory Lenders](#)**

This web map application shows concentrations of certain predatory lenders along with demographic information about the communities they prey on. Generally, payday and auto-title lenders locate closer to vulnerable low-income and minority neighborhoods. The application was created in association with a report advocating for a local zoning ordinance to restrict the proliferation of these lenders. The application was created by George Thomas at Advocates for Basic Legal Equality (ABLE) in Toledo, Ohio, using all free tools. He geocoded addresses using Bing Maps and Mapquest, imported the data as Google Fusion tables, used Google Maps API, and QGIS to bring in other polygon data about poverty and race.

### **[Quickly Identify HOME-funded projects](#)**

This web application helps legal aid attorneys locate housing projects that received HOME funding. The receipt of HOME funds triggers certain basic protections for tenants, but without mapped data, it can be difficult to quickly identify HOME funded projects in a legal aid organization's service area. The application was created by George Thomas at Advocates for Basic Legal Equality (ABLE) in Toledo, Ohio, using all free tools.

### **[Child Asthma in Lucas County at Mercy Children's Pulmonary Center](#)**

This web application was created by George Thomas at Advocates for Basic Legal Equality (ABLE) in Toledo, Ohio, using all free tools.

### **[Segregation Continues to Be NJ's State of the State](#)**

This map uses American Community Survey data to show the racial composition of neighborhoods. The author discusses how historic housing practices are still showing in modern-day communities and discusses affordable housing efforts.

### **[Access to Justice for Children](#)**

This map provides a national summary of access to justice for children across the world.

## **Tools**

**[ArcGIS Online](#)** - Create a [free public ArcGIS Online account](#).

**[Make a Map!: GIS Lite & Quick Map Tools: Free Map Tools](#)** - a list of free software and online tools.

**[Best Free Tools for Making Maps](#)** - a list created by January Advisors of open-source tools

**[Map Customizer](#)** - Plot addresses on Google Maps.

**[NatGeo Mapmaker Interactive](#)** - free online service for making maps

## **Perspective and Press on GIS for Justice**

**[Location Technology Helps the Legally Vulnerable After Disasters](#)** by David Gadsden at Esri, February 7, 2018

[More on ATJ Mapping](#) in Richard Zorza's Access to Justice Blog

[Geography and the Law -- Data Mapping to Improve Access to Justice](#) by Ex Libris Juris at Harris County Law Library

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