Economic Hardship Index

EHI
The EHI score is the average of the following six variables that have been standardized on a scale from 0 to 100:

- Unemployment
- Dependency
- Education
- Income
- Crowded housing
- Poverty

Data represent several aspects of SDOHs and are available from American Community Survey.
Life Expectancy and EHI

Nassau County
Search - Use the options on the left (topics, geographies, ...) to narrow your search results.

Search Results: 1-25 of 248 tables and other products match "Your Selections".

Select Geographies:

Enter a geography name or use the Geography Filter Options below:

- Shelby County, Tennessee

Select geographies to add to Your Selections:

- United States
- Anaheim-Santa Ana, CA AHS Area
- Atlanta-Sandy Springs-Marietta, GA AHS Area
- Austin-Round Rock, TX AHS Area
- Baltimore, MD AHS Area
- Birmingham-Hoover, AL AHS Area
- Boston, MA AHS Area

Geography Type:

- United States
- American Housing Survey Area

About:

Information regarding the geography and its type.

Feedback | FAQs | Glossary | Help
Search - Use the options on the left (topics, geographies, ...) to narrow your search results

Search using...
Program:
American Community Survey

clear all selections and start a new search

Load search | save search

Search using the options below:
Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

EEO Occupation Codes
(executives, analysts, ...)

Your Selections

Select Geographies
List Name Address Map

Enter a geography name or use the Geography Filter Options below:

Your Geography Filters

Select from:
- most requested geographic types
- all geographic types
- individual blocks

Select geographies to add to Your Selections

Geography Filter Options

Geographic Type
- County (1)
- School District (3)
- City or Town (1)
- Township/Census County Division (14)
- Census Tract (125)
- Block Group (1)
- ZIP Code (241)
- Summary Level
- Within County
- Within Congressional District
- Within School District
- Type of County

Include in results:
- All geographies
- Individual geographies
- Groups of geographies
- Show Geographic Components

Geography Name
- Shelby County, Tennessee
- All Places fully within/partially within Shelby County, Tennessee
- All County Subdivisions within Shelby County, Tennessee
- District 1, Shelby County, Tennessee
- District 2, Shelby County, Tennessee
- District 3, Shelby County, Tennessee
- District 4, Shelby County, Tennessee
- District 5, Shelby County, Tennessee
- District 6, Shelby County, Tennessee
- District 7, Shelby County, Tennessee
- District 8, Shelby County, Tennessee
- District 9, Shelby County, Tennessee
- District 10, Shelby County, Tennessee
- County Subdivision

About

Geography Type

1-25 of 70,307 tables and other products match 'Your Selections'
Calculating EHI

- \( X = \frac{(Y - Y_{min})}{(Y_{max} - Y_{min})} \times 100 \)

Where: 
- \( X \) = standardized value of component variable (for example, unemployment rate) for each area to be computed.
- \( Y \) = unstandardized value of component variable for each area
- \( Y_{min} \) = the minimum value for \( Y \) across all area
- \( Y_{max} \) = the maximum value for \( Y \) across all area

- **For example:**
  - Zip Code A has unemployment rate of 35%
  - Minimum unemployment rate across all Zip Codes is 5%
  - Maximum unemployment rate across all Zip Codes is 70%
  - **Hardship Index (HI) for Unemployment (X) = ((35-5)/(70-5))\times100**
\[ X = \frac{(Y - Y_{max})}{(Y_{min} - Y_{max})} \times 100 \]

- For example
  
  Zip Code A has average income of $40,000
  Minimum income across all Zip Codes $15,000
  Maximum income across all Zip Codes $100,000

  \[ \text{EHI for income (X)} = \frac{(40,000 - 100,000)}{(15,000 - 100,000)} \times 100 \]
Calculating in Excel

- function(x) = (x - min(x)) / (max(x) - min(x)) * 100

Example for Range of 398 variables
=(A2-MIN(A$2:A$398))/(MAX(A$2:A$398)-MIN(A$2:A$398))*100

Income: Example for Range of 398 variables
=(A2-MAX(A$2:A$398))/(MIN(A$2:A$398)-MAX(A$2:A$398))*100
Final EHI Score

- Average of the standardized ratios of all six component variables

- Higher value indicating higher hardship