Social Vulnerability
In
Laurel County

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. Reducing social vulnerability can decrease both human suffering and economic loss.

The CDC's SVI uses Census data to determine the social vulnerability of every census tract. The SVI ranks each tract on 16 social factors and groups those factors into four related themes.

SVI data are ranked using percentiles. A percentile rank is the percentage of tracts at or below that particular rank score. All tracts are ranked on a scale from 0 (least vulnerable) to 1 (most vulnerable).

A score is calculated for each theme and for an overall vulnerability ranking.

Learn more about CDC's SVI and its uses here: https://svi.cdc.gov/index.html

For more information regarding specific measures, refer to the 2020 SVI Data Dictionary here:

https://www.atsdr.cdc.gov/placeandhealth/svi/documentation/SVI_documentation_2020.html

The maps on the following pages show Laurel County's census tract rankings for the four overarching themes and each of the 16 social factors within those four themes.

This data and maps were obtained from the Kentucky Environmental Public Health Tracking Platform (https://kyibis.mc.uky.edu/ehl/about/Welcome.html) in April 2024.

Summary of Results

Sub-geographic areas of Laurel County that are the most vulnerable as a result of **socioeconomic factors** are <u>East Bernstadt, Lily and Campground</u>. These areas have high rates of poverty, unemployment, and lower educational attainment.

Other areas with higher rates of socio-economic factors.

- Poverty: North Corbin, Northwestern Laurel County (areas of Symbol and Victory)
- Unemployment: North Corbin
- Housing Burden: London, Sublimity
- Lower Education Attainment: London
- Health care Coverage: Southwestern Keavy, Northwestern Laurel County, and Colony

Sub-geographic areas of Laurel County that are the most vulnerable as a result of **household characteristics** are <u>London and North Corbin</u>. The <u>Colony area</u> is not as vulnerable but also at a significant risk.

Additional areas that could have vulnerability in specific factors are the Keavy and Colony areas have higher rates of children. Cold Hill, Pine Grove and Lily have many single-parent households. The area that makes up Bush and Marydell includes a higher number of individuals with limited English proficiency.

Areas with higher rates of **racial and ethnic minorities** may be more vulnerable. For Laurel County, these areas include <u>Northwestern Laurel County, Bush, Marydell</u>. Slightly less rates are found in East Bernstadt, London, Sublimity, and North Corbin. These minorities include Hispanic, African American, and American Indian or Alaska Native. There are also high rates of two or more races within the Bush and Marydell area.

Housing and transportation limitations also lead to vulnerabilities. <u>Colony, London, and North Corbin</u> are the most vulnerable to these factors. London has a high number of large apartment buildings. Almost all the outlying areas of the county (outside of the city) have a large percentage of mobile homes making up anywhere from 28-39% of housing throughout the county. Crowding is an issue within London (also higher number of group quarters), Sublimity, Lily, Colony and Northwestern Laurel County.
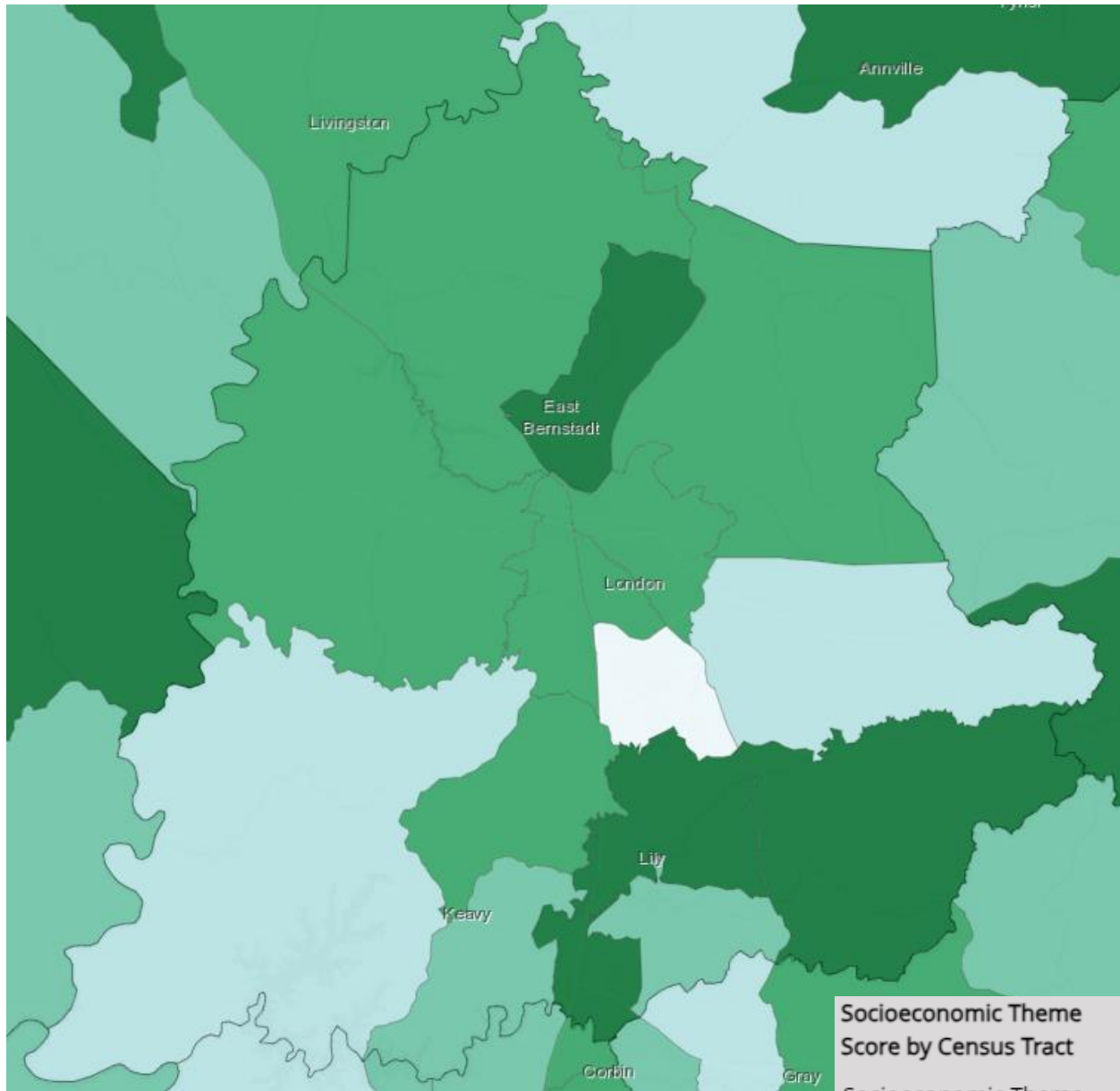
Transportation is a problem mostly within London, and North Corbin, but Coldhill and Campground also have higher rates of households with no vehicle available.

Laurel County Townships and Unincorporated Cities
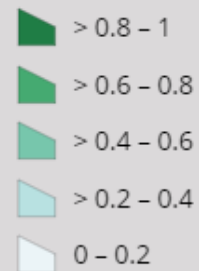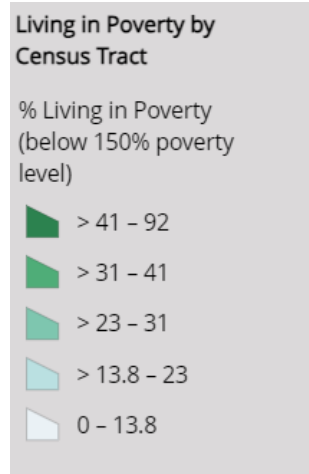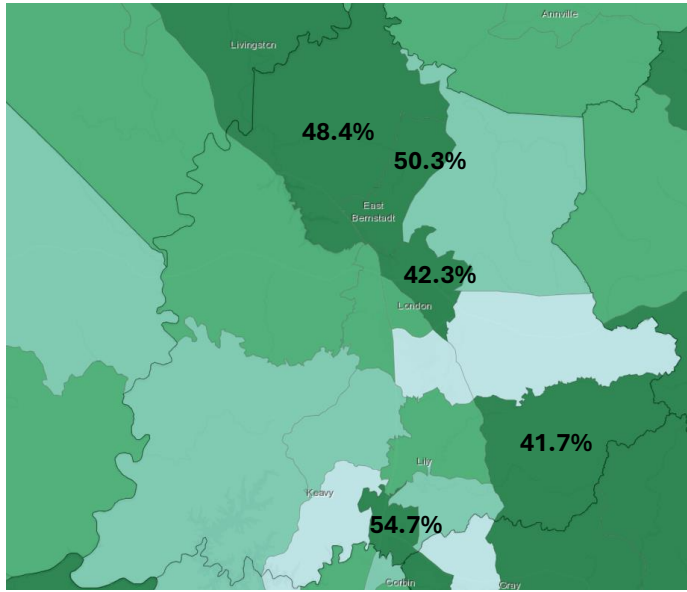
(source: census.gov)
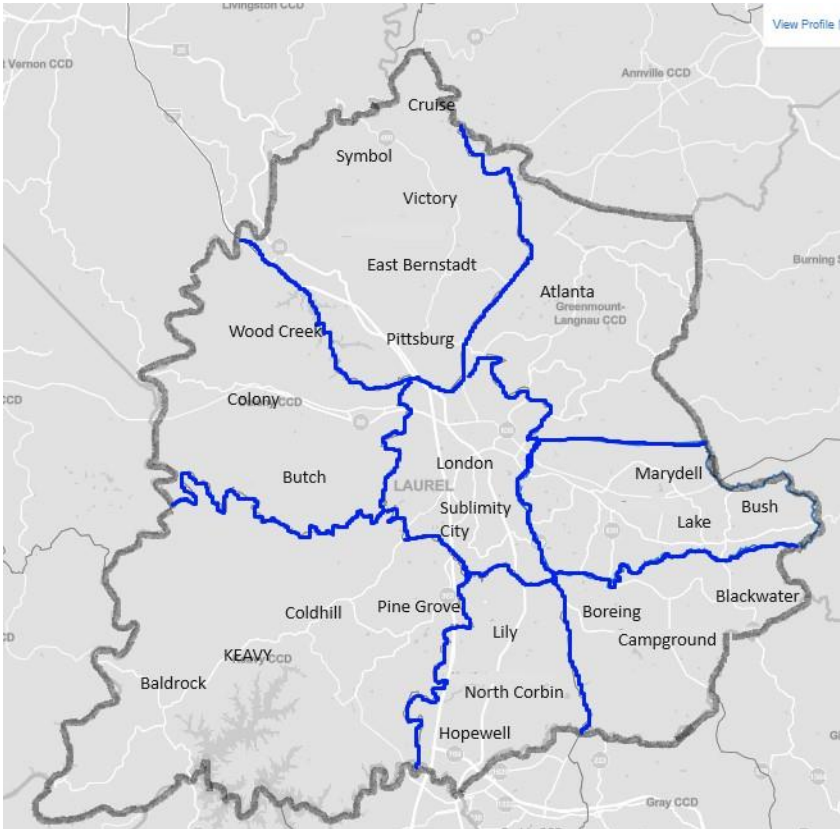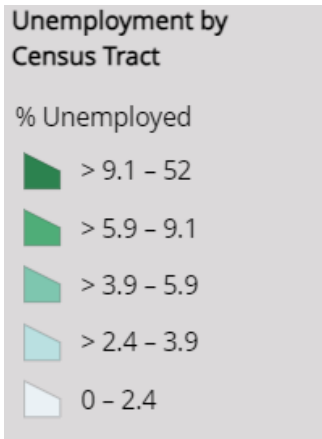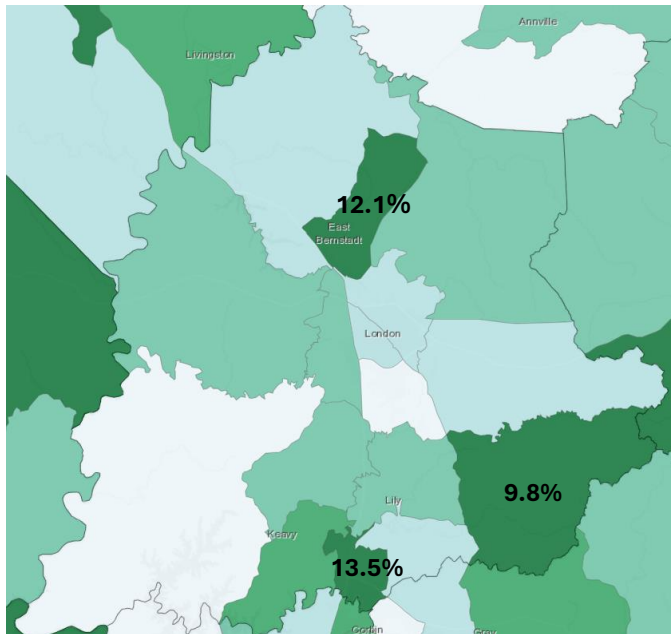
Socioeconomic Theme Score

Made up of the following measures:

- Poverty (below 150% poverty level)
- Unemployment
- Housing Cost Burden
- Education (no high school diploma)
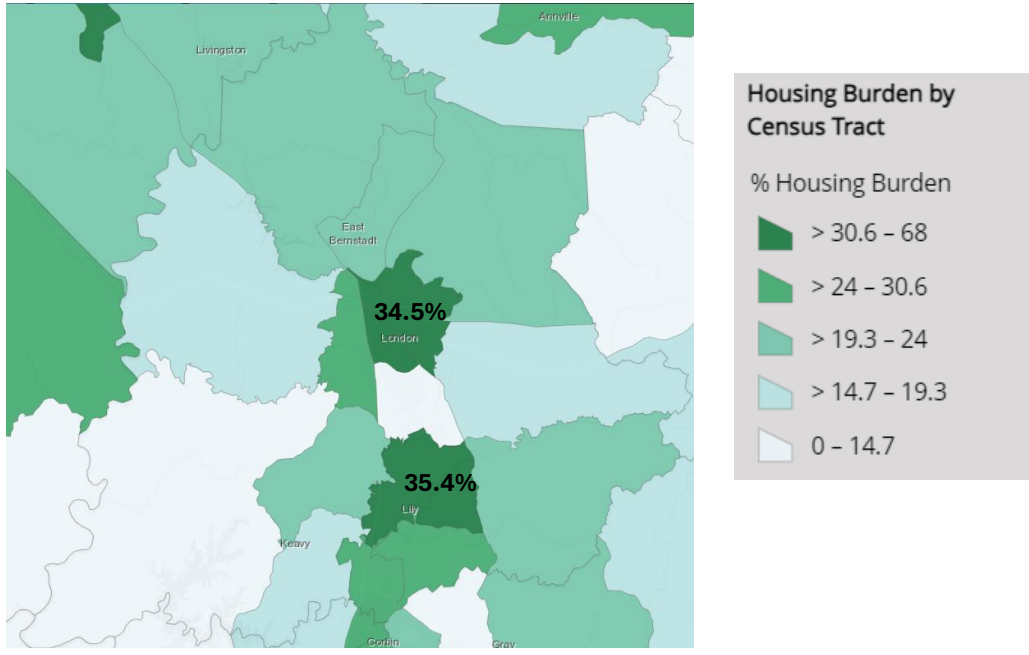- Healthcare Coverage (uninsured)

Percent living in poverty (below 150% poverty level)

Map data labels: 48.4%, 50.3%, 42.3%, 41.7%, 54.7%

Place labels: Annville, Livingston, East Bernstadt, London, Lily, Keavy, Corbin, Gray

Living in Poverty by Census Tract

% Living in Poverty (below 150% poverty level)

- > 41 – 92
- > 31 – 41
- > 23 – 31
- > 13.8 – 23
- 0 – 13.8

Unemployment (Percent unemployment)

Map data labels: 12.1%, 9.8%, 13.5%

Place labels: Annville, Livingston, East Bernstadt, London, Lily, Keavy, Corbin, Gray

Unemployment by Census Tract

% Unemployed

- > 9.1 – 52
- > 5.9 – 9.1
- > 3.9 – 5.9
- > 2.4 – 3.9
- 0 – 2.4

Housing Burden (Percent of housing cost burden units)

Housing Burden by Census Tract

% Housing Burden

- > 30.6 – 68
- > 24 – 30.6
- > 19.3 – 24
- > 14.7 – 19.3
- 0 – 14.7

Education – Percent with no high school diploma

No High School Diploma by Census Tract

% No High School Diploma

- > 21 – 56
- > 15.1 – 21
- > 10.6 – 15.1
- > 6 – 10.6
- 0 – 6
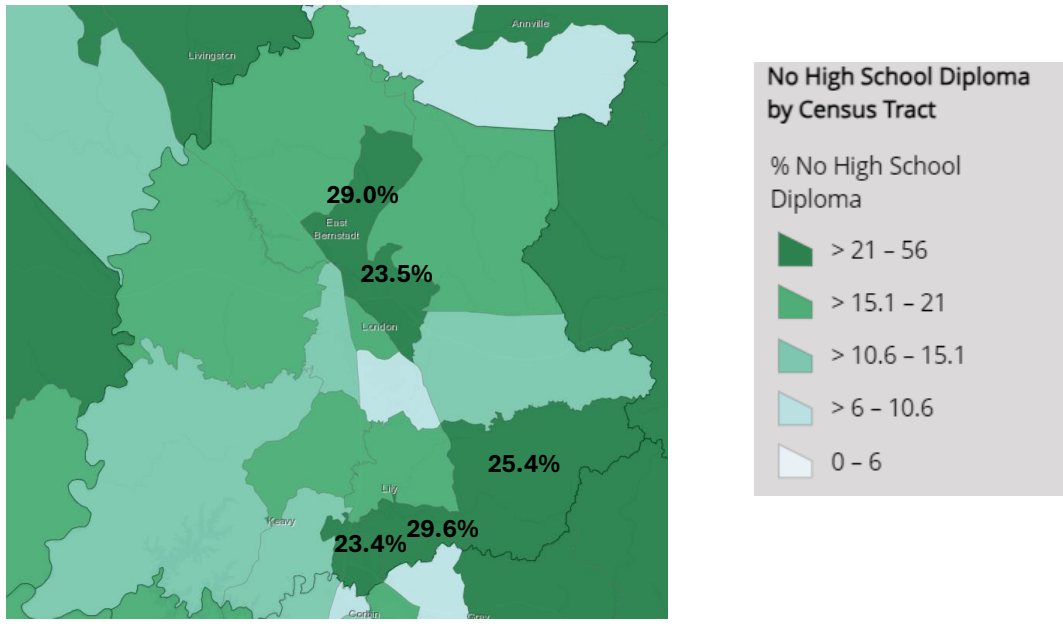
Health Care Coverage – Percent uninsured

Legend:

Uninsured by Census Tract

% Uninsured

- ▮ > 8.4 – 34
- ▮ > 5.9 – 8.4
- ▮ > 4.1 – 5.9
- ▮ > 2.5 – 4.1
- ▯ 0 – 2.5

Map labels: Livingston, Annville, East Bernstadt, London, Keavy, Lily, Corbin, Gray

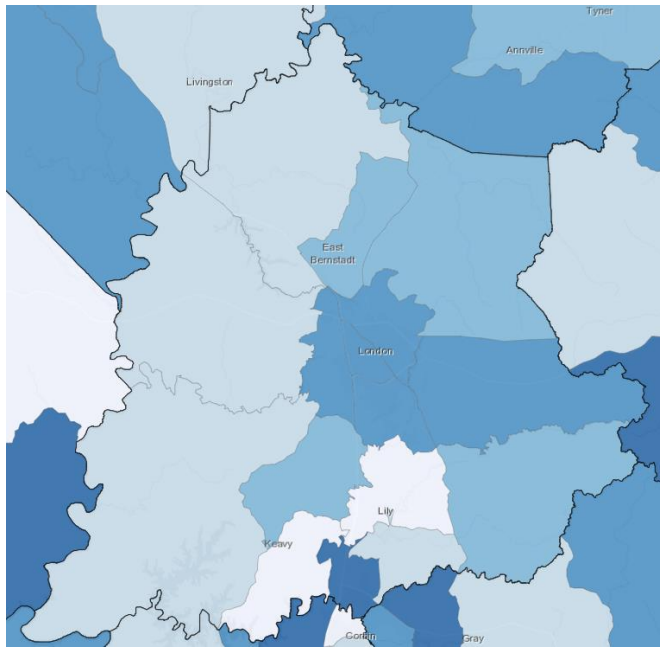Values shown on map: 13.3%, 12.0%, 9.1%
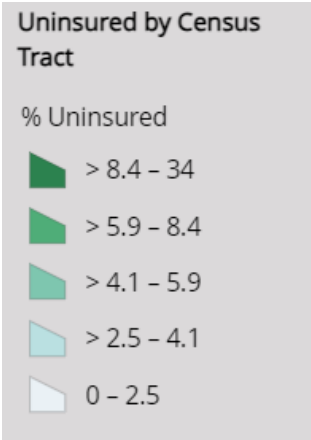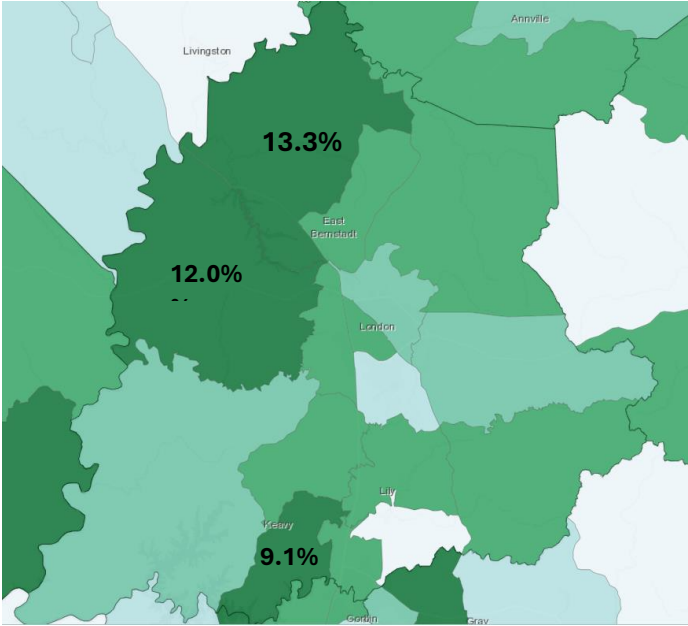
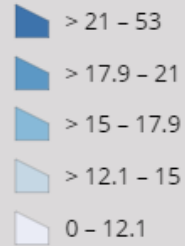# Household Characteristics Score
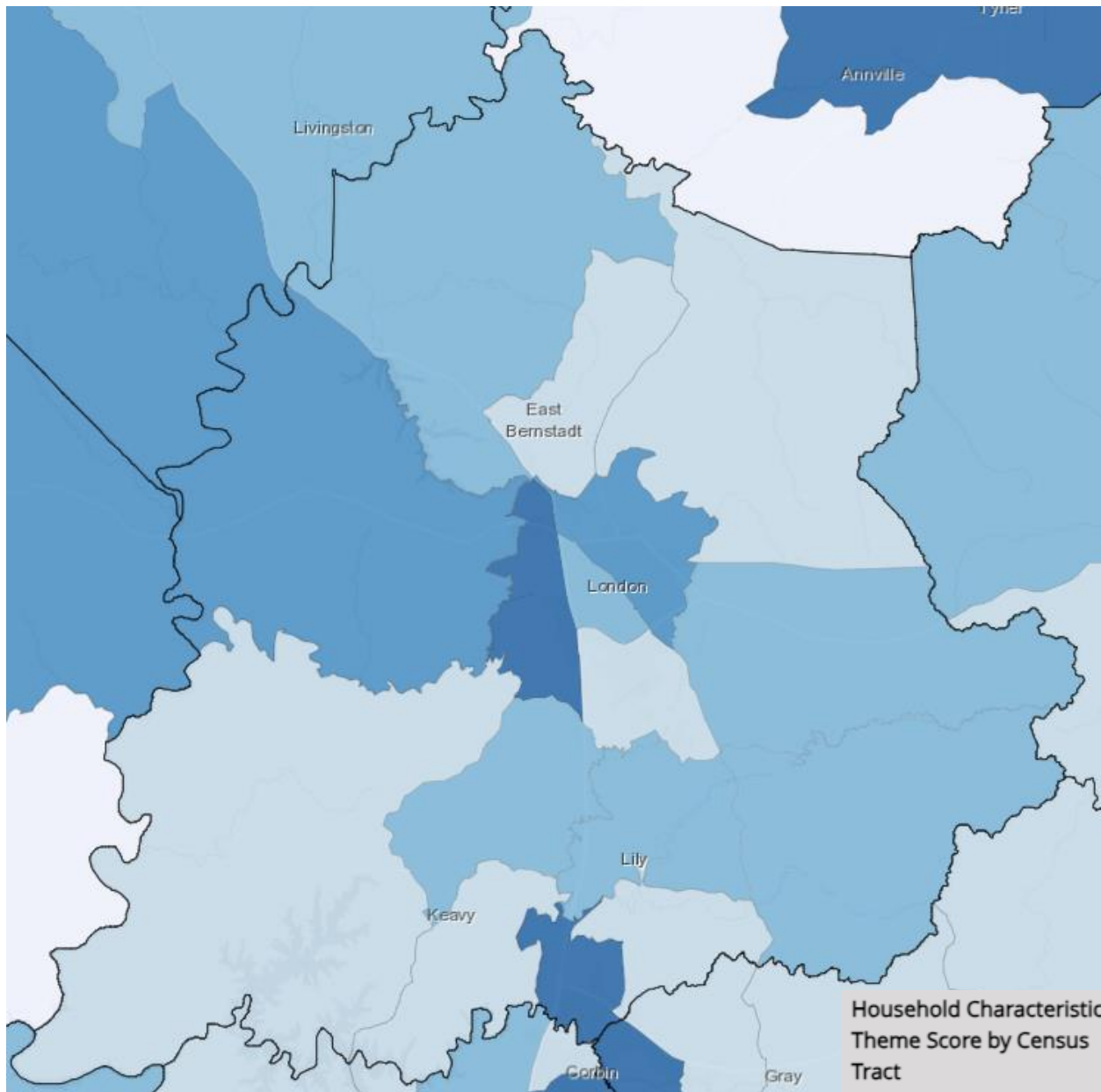
Made up of the following measures:

- Elderly (Age 65 and older)
- Children (Age 17 and under)
- Civilian with a Disability
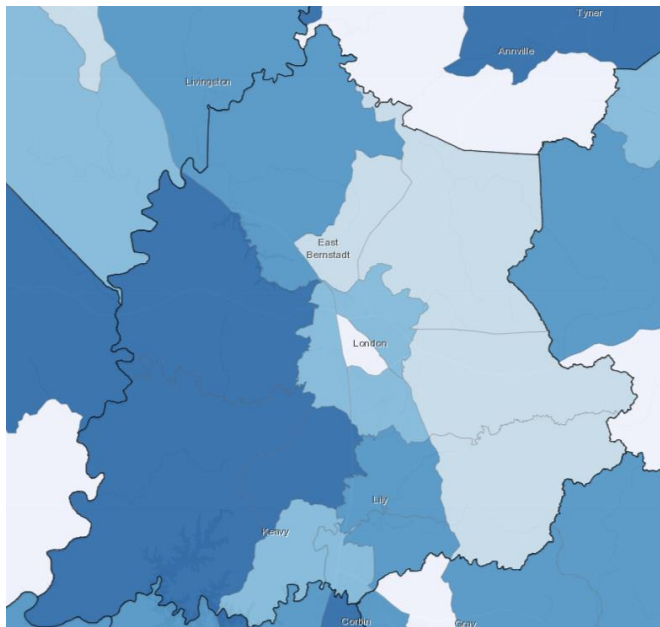- Single Parent Households
- English Language Proficiency

Household Characteristics Theme Score by Census Tract

Household Characteristics Theme Score

- \> 0.8 – 1
- \> 0.6 – 0.8
- \> 0.4 – 0.6
- \> 0.2 – 0.4
- 0 – 0.2

Ages 65 and Older

Age 65 and Older by Census Tract

% Age 65 and Older
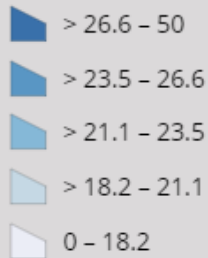- > 21 – 53
- > 17.9 – 21
- > 15 – 17.9
- > 12.1 – 15
- 0 – 12.1

Age 17 and Under

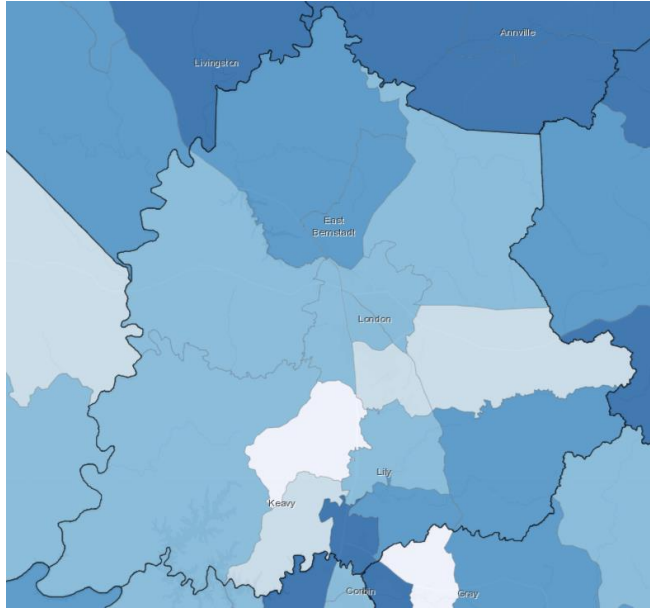**Age 17 and Younger by Census Tract**

% Age 17 and Younger
- > 26.6 – 50
- > 23.5 – 26.6
- > 21.1 – 23.5
- > 18.2 – 21.1
- 0 – 18.2

Civilians with a Disability

Civilians with a Disability by Census Tract

% Civilian with a Disability

- > 24.3 – 49
- > 19.7 – 24.3
- > 16 – 19.7
- > 12 – 16
- 0 – 12

Single Parent Households

Single Parent Households by Census Tract

% Single Parent Households

- > 9.7 – 55
- > 6.7 – 9.7
- > 4.4 – 6.7
- > 2.7 – 4.4
- 0 – 2.7

English Language Proficiency

Limited English Speakers
by Census Tract

% Limited English
Speakers

■ > 2.8 – 19

■ > 1.2 – 2.8

■ > 0.4 – 1.2

□ > 0 – 0.4

□ 0 – 0

Racial and Ethnic Minority Status

% Minority	10.50
Racial & Ethnic Minority Status Theme Score	0.55
% African American	0.30
% Hispanic	8.70
% Asian	0.00
% American Indian or Alaska Native	1.10
% Native Hawaiian or Pacific Islander	0.00
% Two or More Races	0.40
% Other Race	0.00

% Minority	4.30
Racial & Ethnic Minority Status Theme Score	0.27
% African American	3.30
% Hispanic	0.30
% Asian	0.00
% American Indian or Alaska Native	0.00
% Native Hawaiian or Pacific Islander	0.00
% Two or More Races	0.60
% Other Race	0.00

% Minority	6.70
Racial & Ethnic Minority Status Theme Score	0.39
% African American	2.00
% Hispanic	4.20
% Asian	0.00
% American Indian or Alaska Native	0.50
% Native Hawaiian or Pacific Islander	0.00
% Two or More Races	0.00
% Other Race	0.00

% Minority	8.30
Racial & Ethnic Minority Status Theme Score	0.46
% African American	0.40
% Hispanic	2.20
% Asian	0.10
% American Indian or Alaska Native	0.00
% Native Hawaiian or Pacific Islander	0.00
% Two or More Races	5.60
% Other Race	0.00

% Minority	5.20
Racial & Ethnic Minority Status Theme Score	0.32
% African American	0.10
% Hispanic	0.00
% Asian	0.00
% American Indian or Alaska Native	4.70
% Native Hawaiian or Pacific Islander	0.00
% Two or More Races	0.40
% Other Race	0.00

East Bernstadt

London

Lily

Corbin

Gray

Racial and Ethnic Minority Status Theme Score by Census Tract

Racial & Ethnic Minority Status Theme Score

- > 0.8 – 1.0
- > 0.6 – 0.8
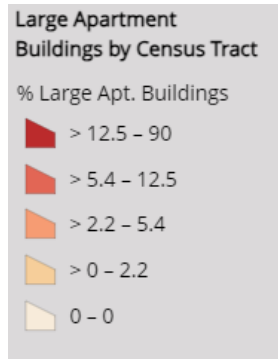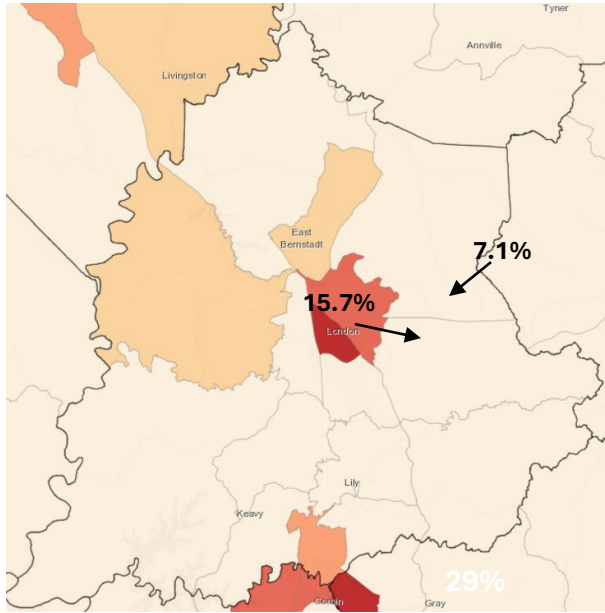- > 0.4 – 0.6
- > 0.2 – 0.4
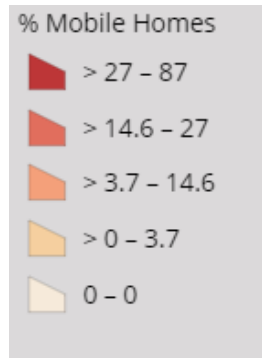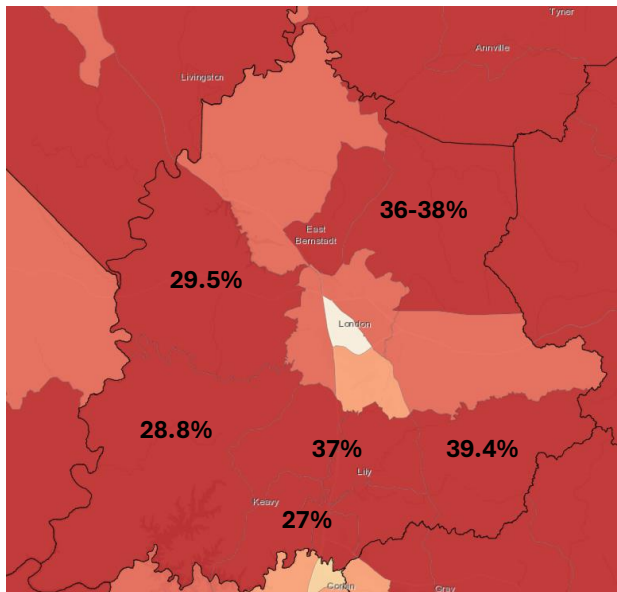- 0 – 0.2

HOUSING AND TRANSPORTATION
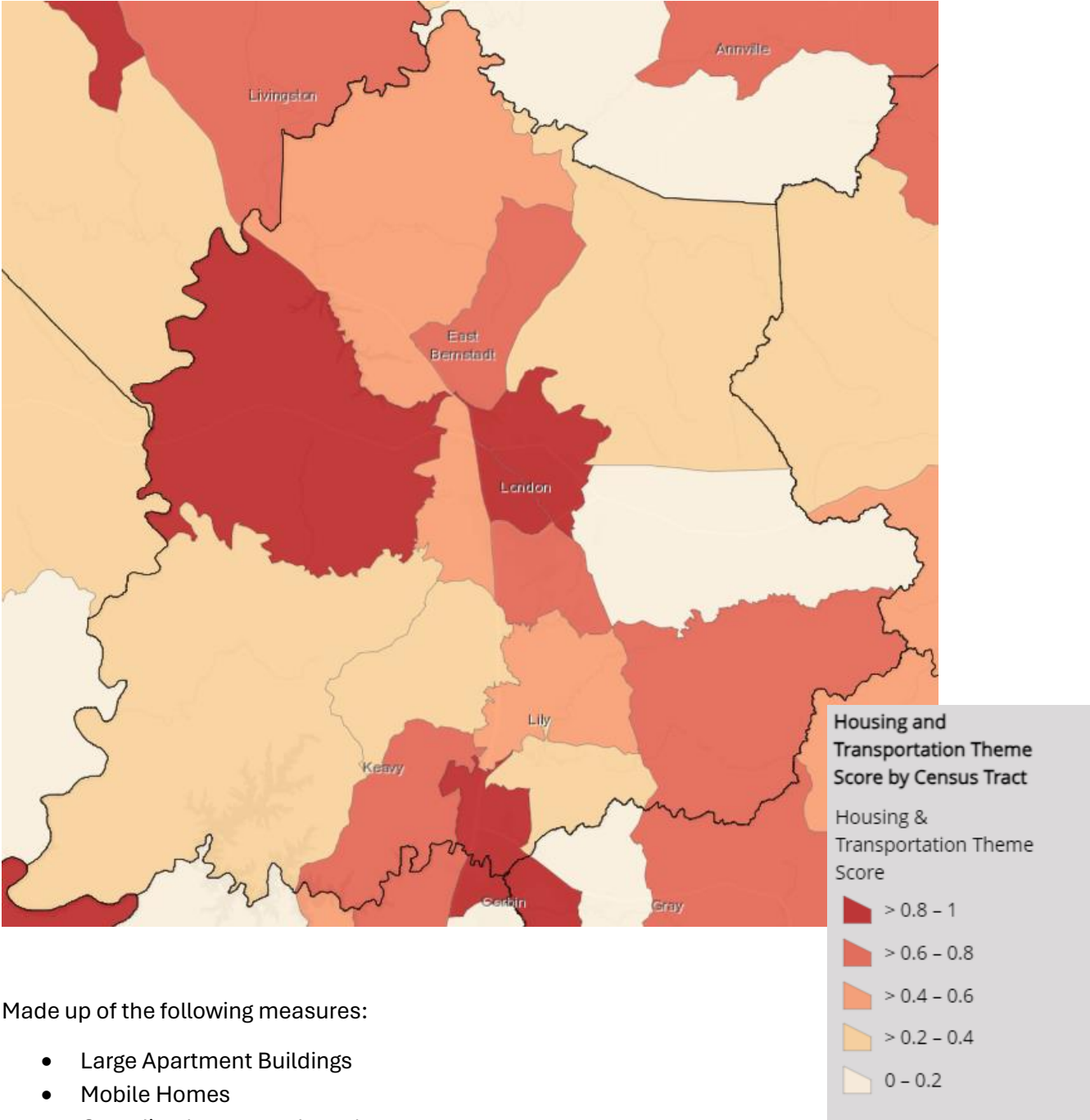
Made up of the following measures:

- Large Apartment Buildings
- Mobile Homes
- Crowding (>1 person/room)
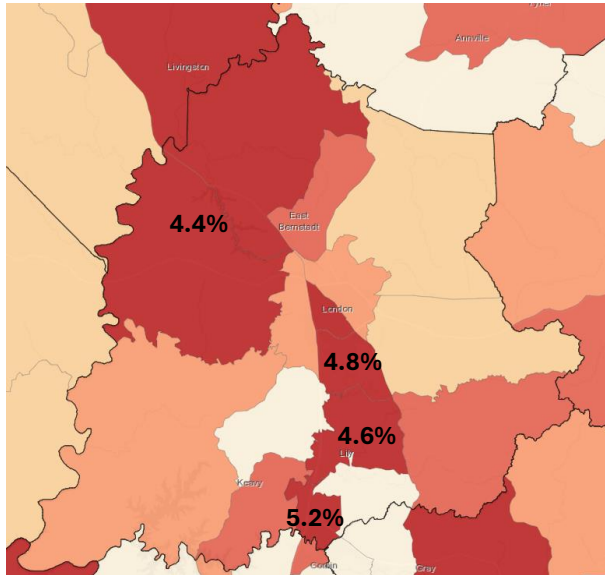- No Vehicle
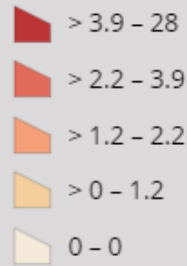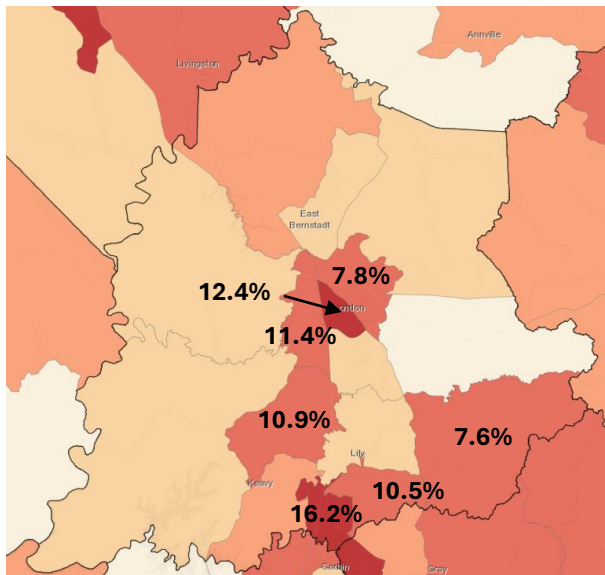- Group Quarters

Large Apartment Buildings

Large Apartment Buildings by Census Tract

% Large Apt. Buildings

- > 12.5 – 90
- > 5.4 – 12.5
- > 2.2 – 5.4
- > 0 – 2.2
- 0 – 0

(map labels: Tyner, Annville, Livingston, East Bernstadt, London, Lily, Keavy, Corbin, Gray)

7.1%
15.7%
29%

Mobile Homes

% Mobile Homes

- > 27 – 87
- > 14.6 – 27
- > 3.7 – 14.6
- > 0 – 3.7
- 0 – 0

(map labels: Tyner, Annville, Livingston, East Bernstadt, London, Lily, Keavy, Corbin, Gray)

36-38%
29.5%
28.8%
37%
39.4%
27%

Crowding

Crowding by Census Tract

% Crowded (>1/room)

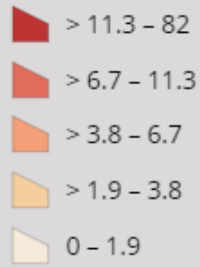- > 3.9 – 28
- > 2.2 – 3.9
- > 1.2 – 2.2
- > 0 – 1.2
- 0 – 0

No Vehicle Available

No Vehicle by Census Tract

% No Vehicle Available

- > 11.3 – 82
- > 6.7 – 11.3
- > 3.8 – 6.7
- > 1.9 – 3.8
- 0 – 1.9

Group Quarters