

Mapping Social Determinants for Child and Adolescent Health Services

HealthLandscape

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- Chronic inequities in access to and utilization of health care
- School-Based Health Centers fill a void
- Where should we put them?

- The Local Area Needs Analysis Tool helps decision makers to make Data-Driven Decisions
 - Use data to drive resource allocation and improve access health services based on need
 - Identify and characterize medically underserved areas

The Data

The World Bank

**Indicators from the World Development Catalog -
compiled from officially-recognized international sources**

OECD

**Produced by the Organization for Economic Co-
operation and Development**

AAFP

John Parks' Global Family Medicine research

The School-Based Health Alliance Local Area Needs Analysis Tool

The School-Based Health Alliance was founded in 1995 and is the national voice for school-based health centers (SBHCs). Built from the grassroots up by individuals from state and federal government agencies, national and regional foundations, child health and education organizations, and SBHCs, we are a true reflection of the field we support. The School-Based Health Alliance advocates for national policies, programs, and funding to expand and strengthen SBHCs, while also supporting the movement with training and technical assistance.



**SCHOOL-BASED
HEALTH ALLIANCE**
Redefining Health for Kids and Teens

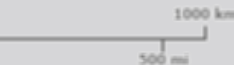
The Local Area Needs Analysis Tool brings together various sources of health, socio-economic and environmental information to help answer questions about and improve health and healthcare. This mapping tool supports the expansion of the school-based health care model by identifying areas that have high rates of adverse child and adolescent health outcomes, thus indicating where it would be appropriate for a school-based health center to be located.

☒ Show welcome window each time

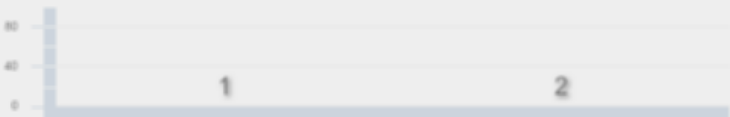
Select a State
Select an area

Click on a checkbox to turn on an indicator. Click and drag on the sliding circle to color in only those areas that have a rate at or above the setting on the slider. When more than one indicator is turned on, colors will blend where they overlap.

To fine-tune the threshold on the slider, click the indicator with your mouse and then use the arrow keys on the keyboard to move the slider. Press the spacebar to move the threshold bar.



Legend



- Public Schools
- Basemaps and Optional Layers
- Layer Controls
- Login And Account Settings



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Select a State

Kentucky

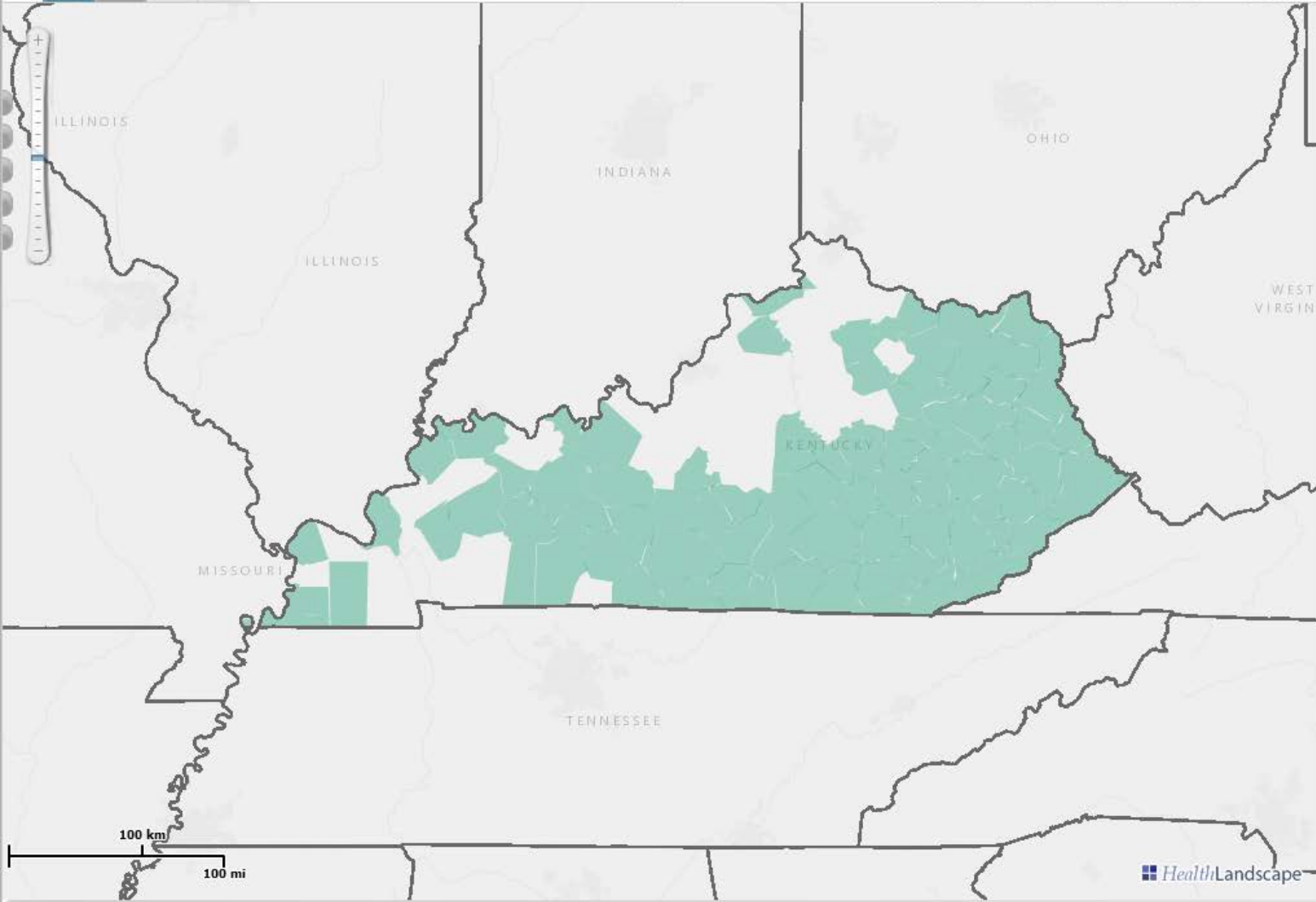
Restore All

- Health Insurance and Coverage [show all](#)
- Health Indicators [show all](#)
- Education Indicators [show all](#)
- Demographics and Poverty [show all](#)

Legend

Select an indicator to view histogram

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Select a State

Kentucky

Restore All

Health Insurance and Coverage [hide all](#)

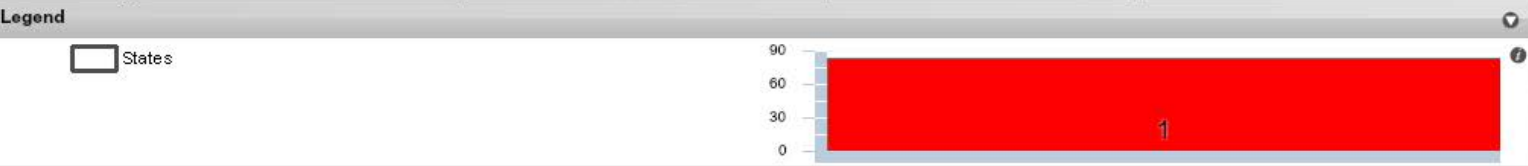
☒ Under 18: Percent on Medicaid or CHIP 37 to 100

☐ Total Population: Percent Uninsured 9 to 100

Health Indicators [show all](#)

Education Indicators [show all](#)

Demographics and Poverty [show all](#)

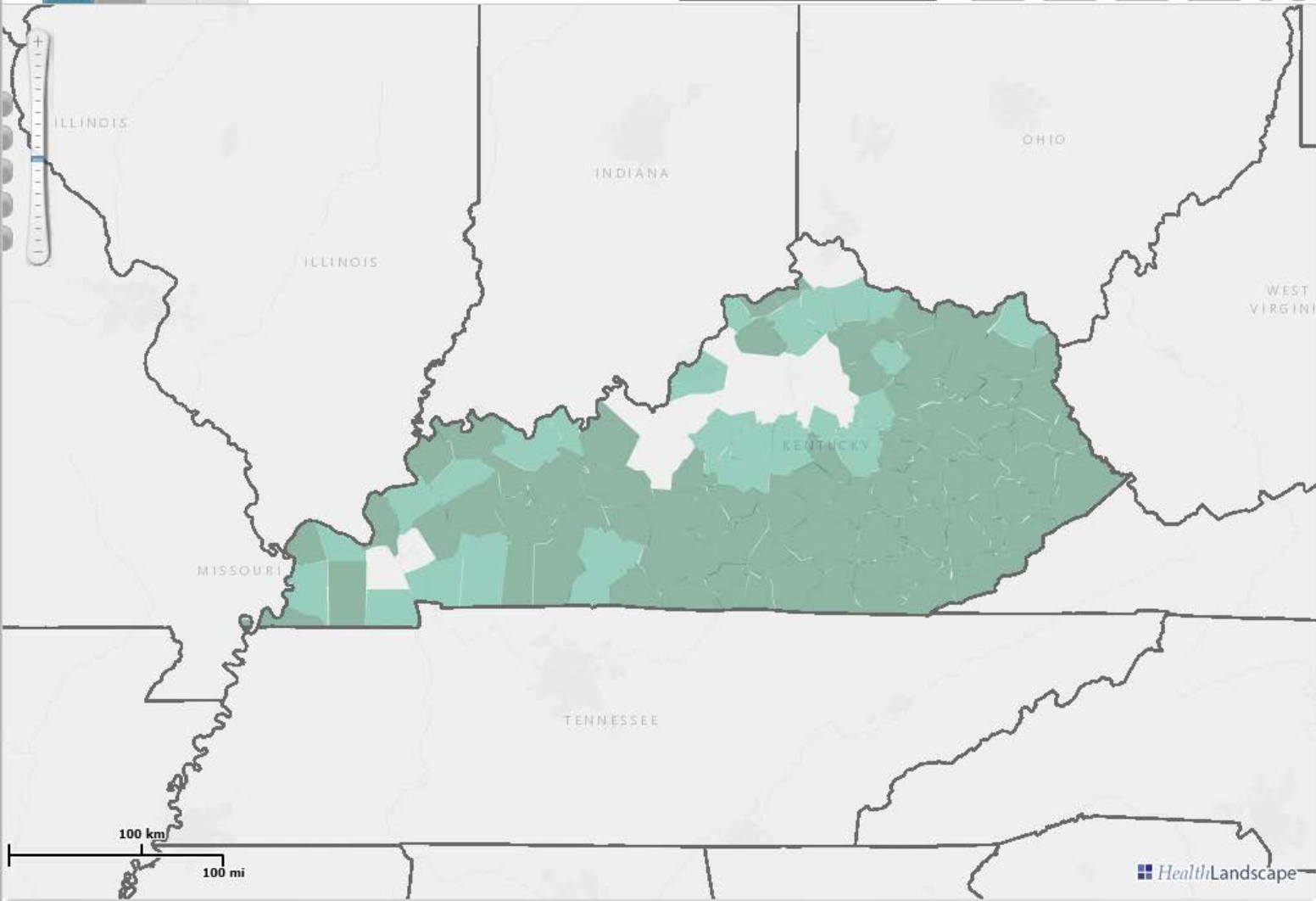


Public Schools

Basemaps and Optional Layers

Layer Controls

Login And Account Settings



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Select a State

Kentucky

Restore All

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Health Indicators [show all](#)

Education Indicators [show all](#)

Demographics and Poverty [hide all](#)

- ☒ Percent Free Lunch [restore](#) 43 to 100
- ☐ Percent Kids in Poverty 30 to 100

Legend

States

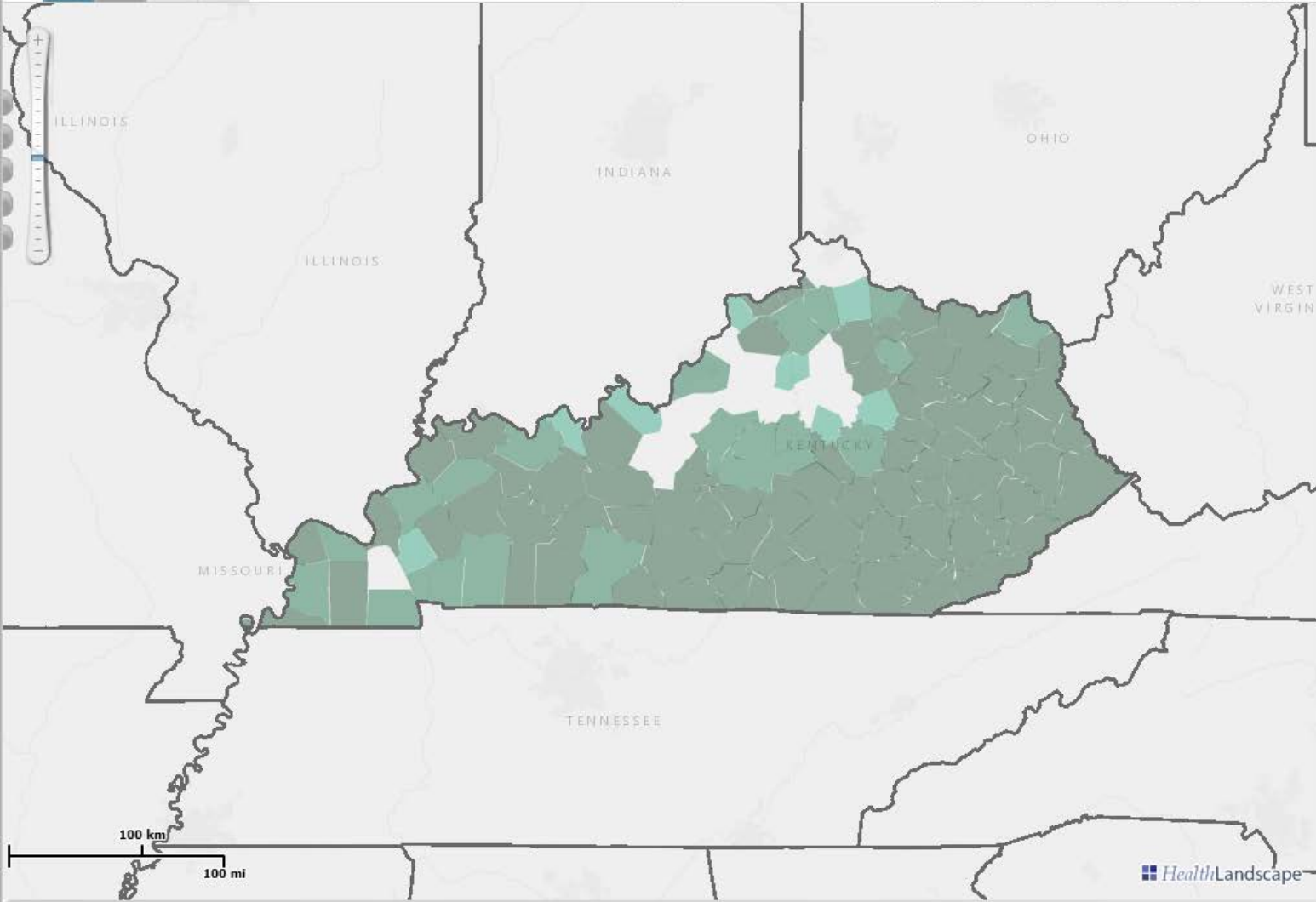


Public Schools [info](#) [close](#)

Basemaps and Optional Layers

Layer Controls

Login And Account Settings [info](#)



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Select a State

Kentucky

[Restore All](#)

Health Insurance and Coverage [hide all](#)

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☐ Total Population: Percent Uninsured 9 to 100

Health Indicators [show all](#)

Education Indicators [show all](#)

Demographics and Poverty [hide all](#)

☒ Percent Free Lunch 43 to 100 [restore](#)

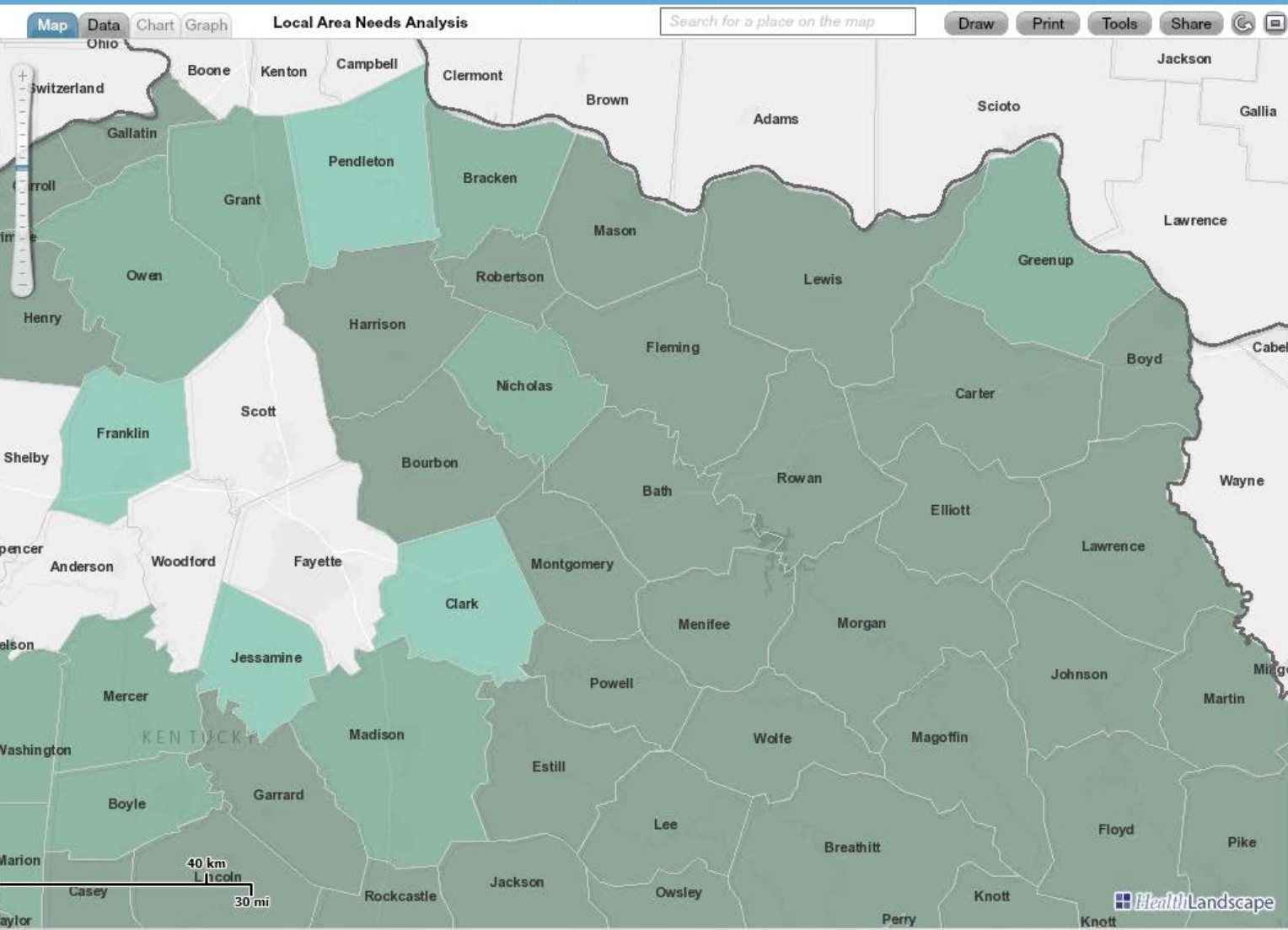
☒ Percent Kids in Poverty 23 to 100 [restore](#)

Legend

States



- Public Schools
- Basemaps and Optional Layers
- Layer Controls
- Login And Account Settings



Local Area Needs Analysis ? i x

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Select a State ?

Kentucky ?

[Restore All](#)

Health Insurance and Coverage [hide all](#)

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Health Indicators [show all](#)

Education Indicators [show all](#)

Demographics and Poverty [hide all](#)

☒ Percent Free Lunch 43 to 100 [restore](#)

☒ Percent Kids in Poverty 23 to 100 [restore](#)

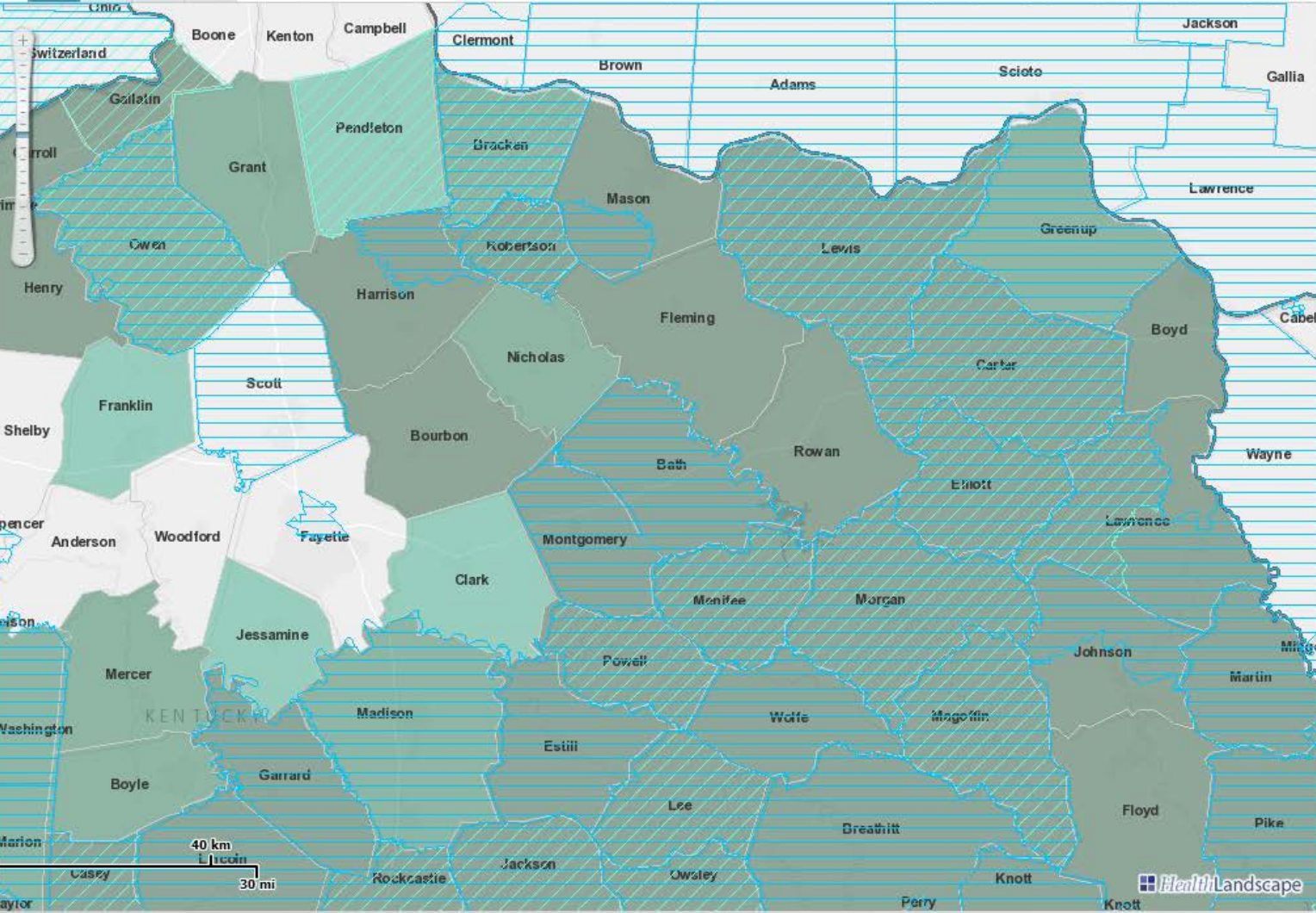
Public Schools ? i x

Basemaps and Optional Layers

Layer Controls

Login And Account Settings i





Public Schools

Basemaps and Optional Layers

Basemaps

Topographic

Street

Terrain

Terrain with Labels

Canvas

Canvas with Labels

US & Census Geography

☒ States

☒ Counties

☐ Metro Areas

☐ Cities

Transportation

☐ Highways

Health Care Facilities

☐ Hospitals

☐ Federally Qualified Health Centers

☐ FQHC Look-Alikes

☐ Rural Health Clinics

☐ School-Based Health Centers

Health Policy

☒ HPSA - Primary Care

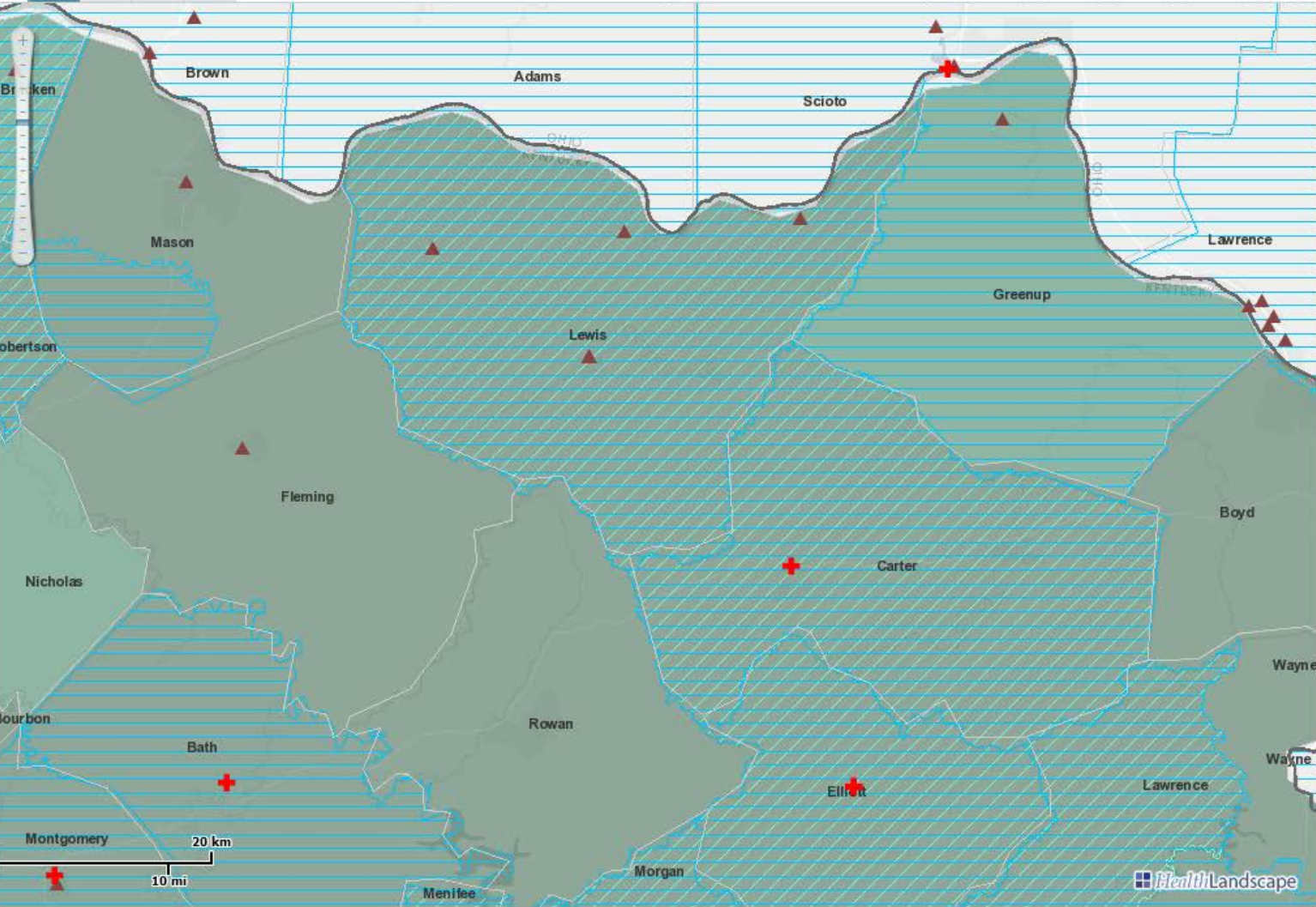
☐ HPSA - Mental Health

☐ HPSA - Dental

☒ MUA/P

Layer Controls

Login And Account Settings



Public Schools

Basemaps and Optional Layers

Basemaps

Topographic

Street

Terrain

Terrain with Labels

Canvas

Canvas with Labels

US & Census Geography

☒ States

☒ Counties

☐ Metro Areas

☐ Cities

Transportation

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Health Care Facilities

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Health Policy

☒ HPSA - Primary Care

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☐ HPSA - Dental

☒ MUA/P

Layer Controls

Login And Account Settings

Map Data Chart Graph

Public Schools

Search for a place on the map

Draw Print Tools Share

Local Area Needs Analysis

Public Schools

The data for public schools was retrieved from the National Center for Education Statistics

Search for a place on the map

To add a layer to your map, select an item from the list below.

☒ Schools

Filter by School Type

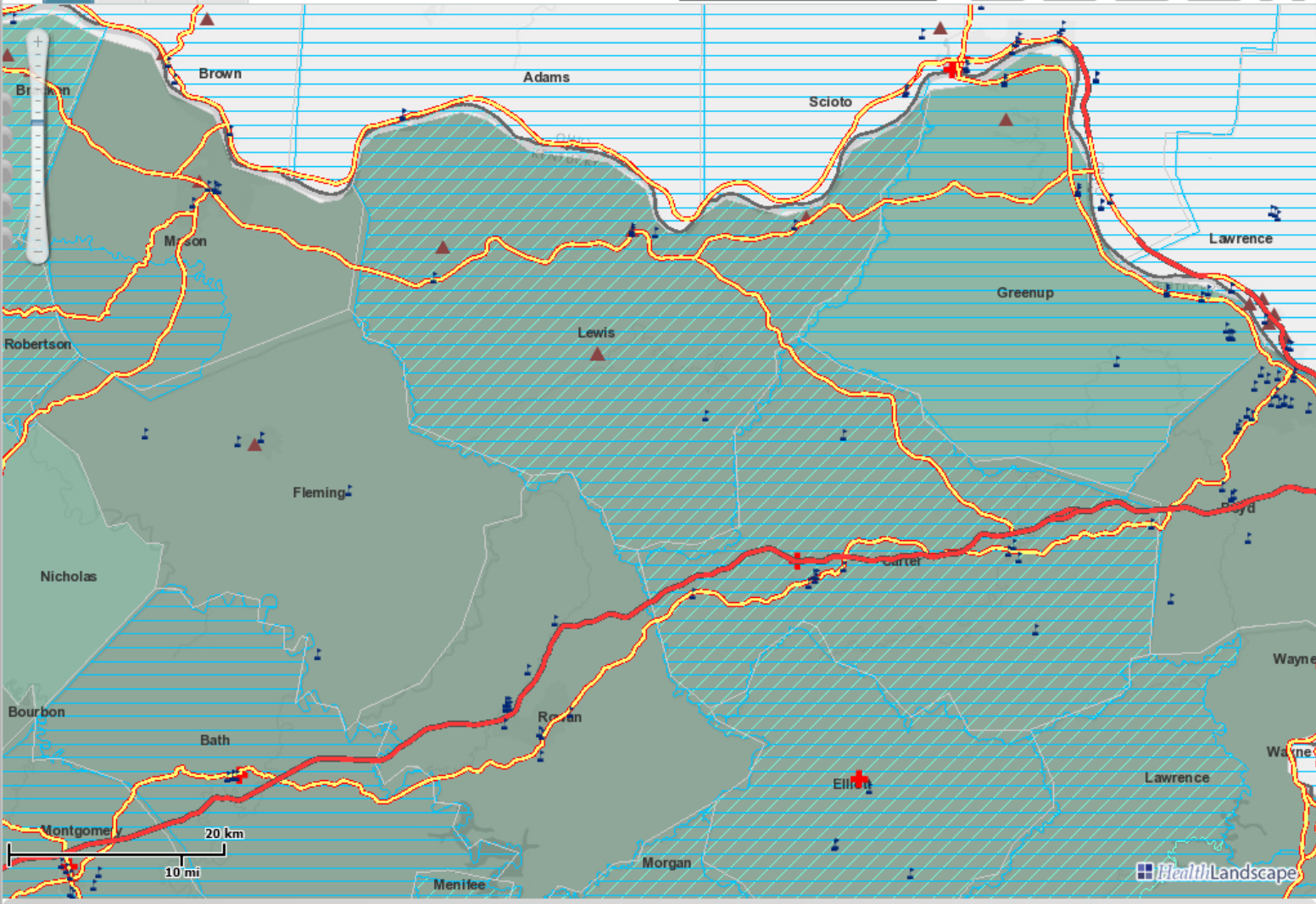
- Show all
- Regular
- Special Education
- Vocational
- Alternative

Filter by Title I Eligibility

- Show all
- Yes
- No

Filter by Operational Status

- Show all
- Currently Operational
- New School
- Operational but Not Reported
- Changed Agency

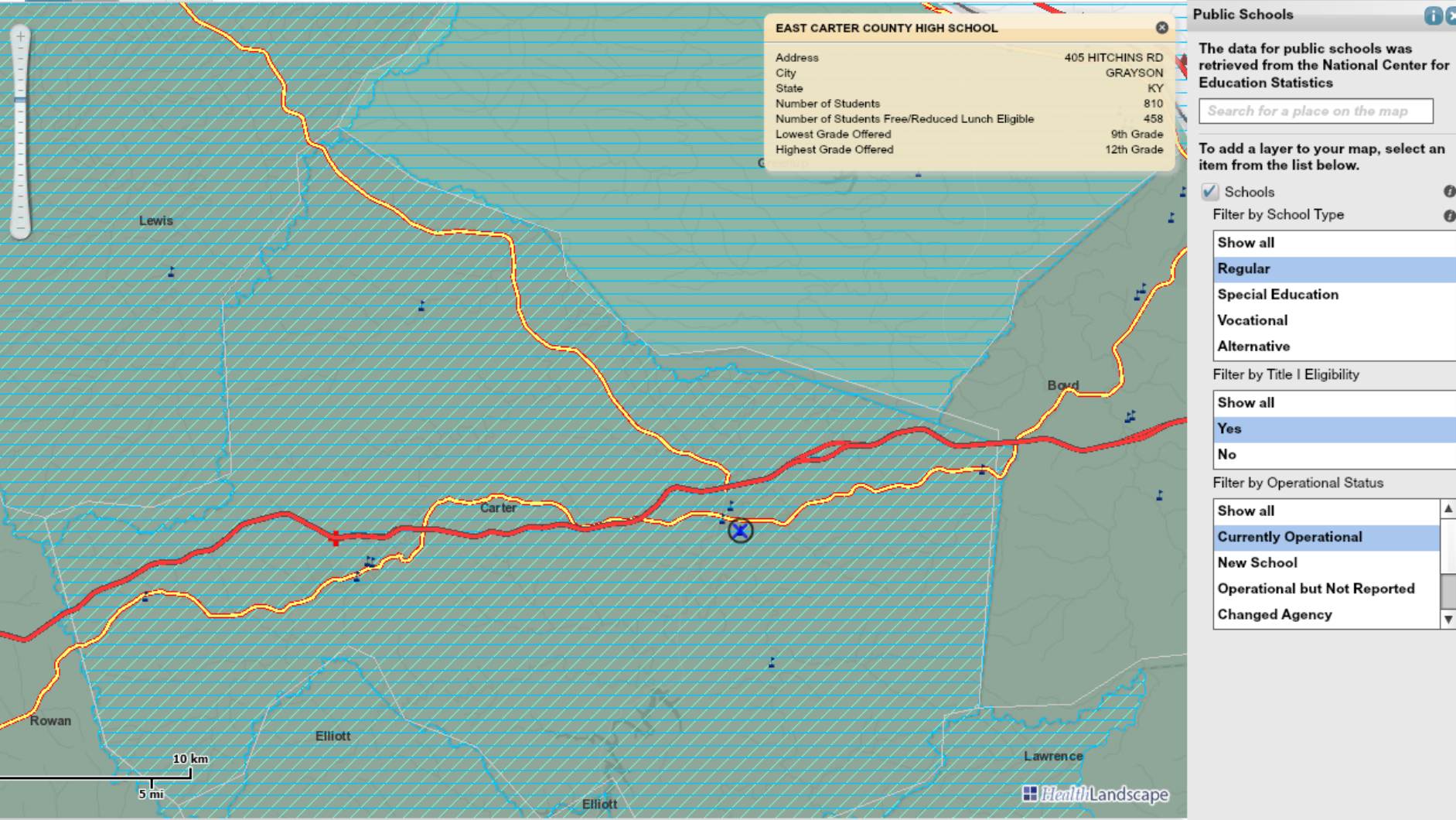


Legend

- Public Schools
- States
- Counties
- Highway
 - Limited Access
 - Highways

Schools: 128

Basemaps and Optional Layers
Layer Controls
Login And Account Settings



The data for public schools was retrieved from the National Center for Education Statistics

Search for a place on the map

To add a layer to your map, select an item from the list below.

- ☒ Schools
- Filter by School Type
- Show all

Regular

Special Education

Vocational

Alternative
- Filter by Title I Eligibility
- Show all

Yes

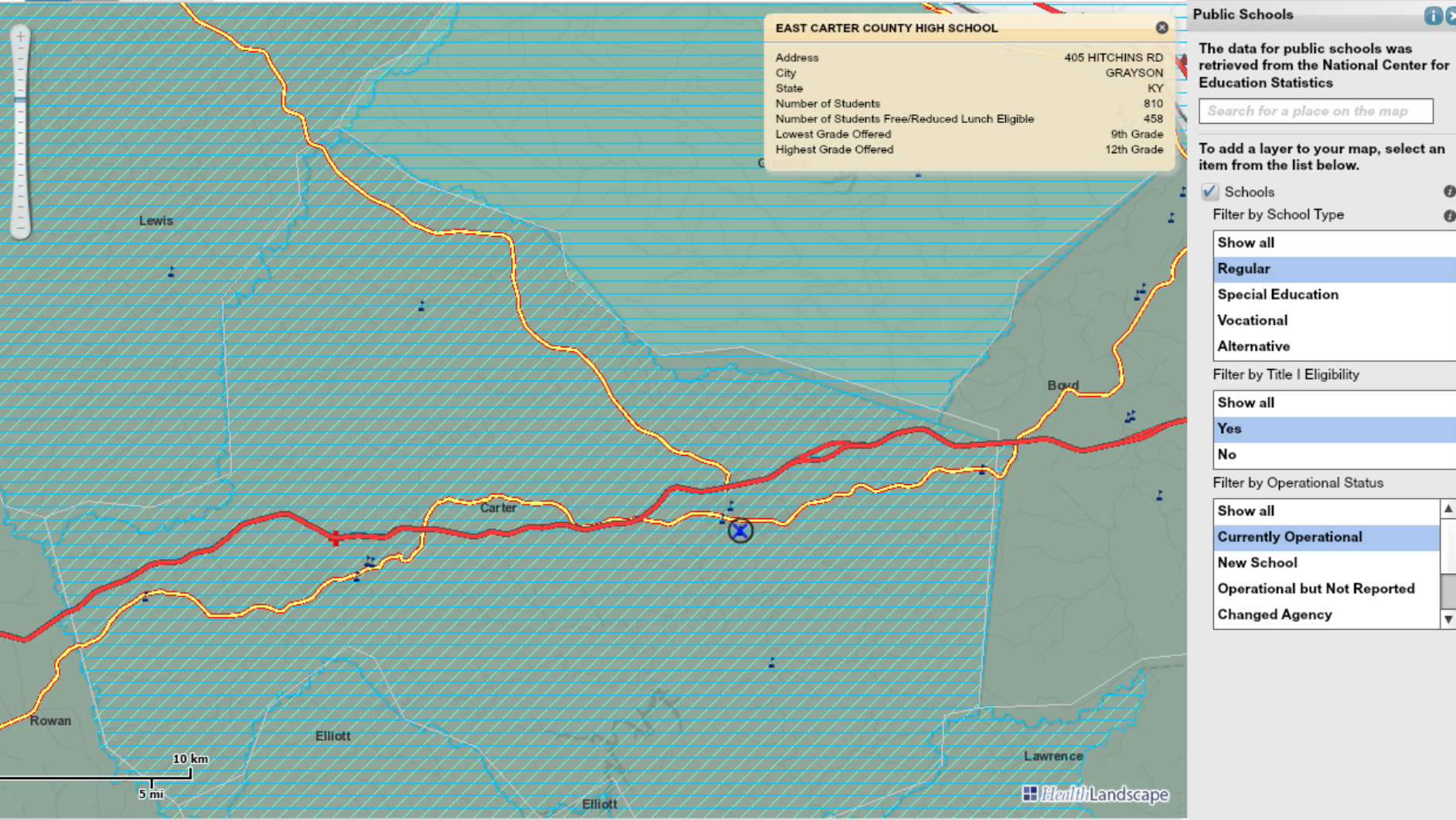
No
- Filter by Operational Status
- Show all

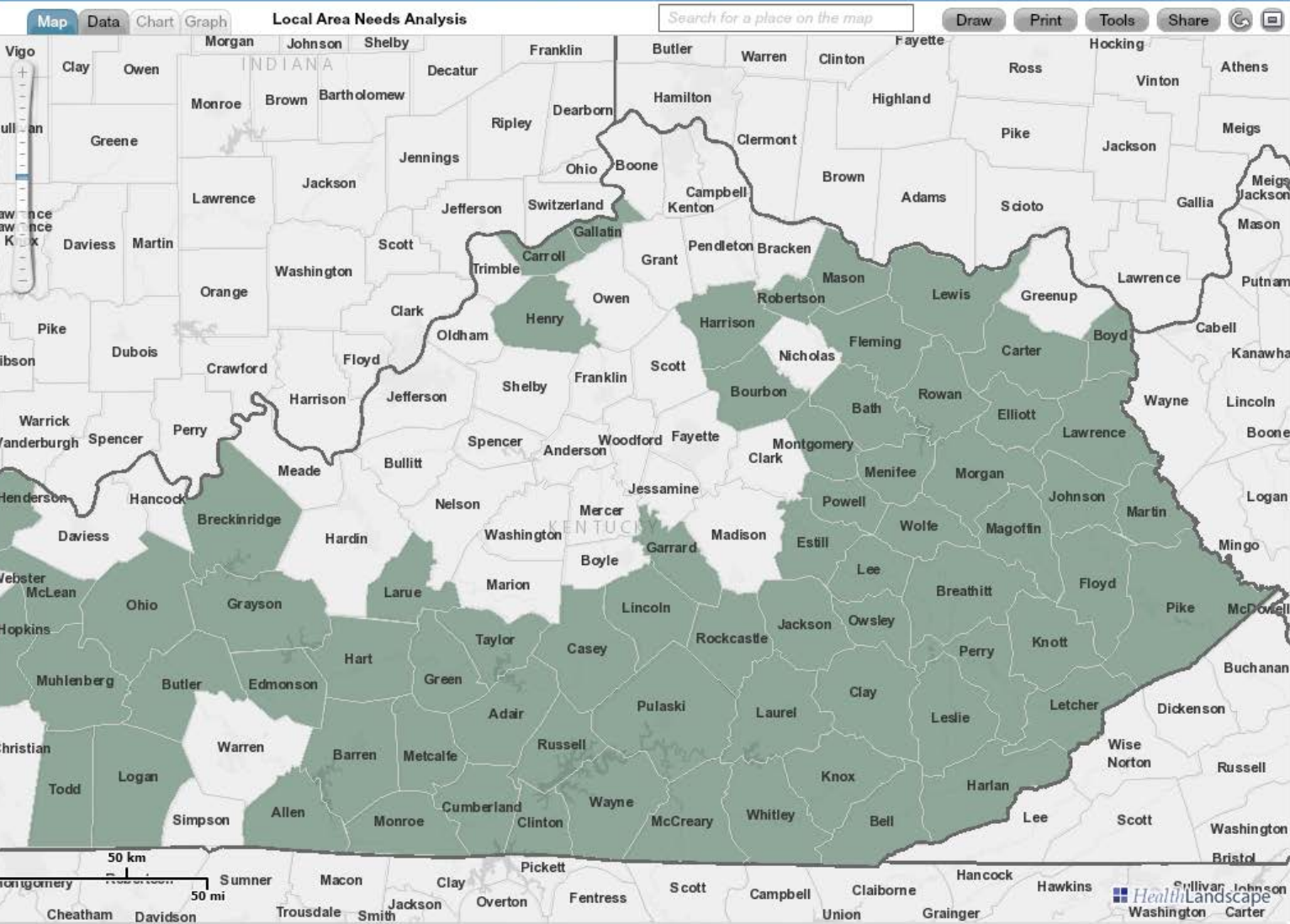
Currently Operational

New School

Operational but Not Reported

Changed Agency





Local Area Needs Analysis

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Select a State

Kentucky

Restore All

Health Insurance and Coverage [hide all](#)

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☐ Total Population: Percent Uninsured 9 to 100

Health Indicators [show all](#)

Education Indicators [show all](#)

Demographics and Poverty [hide all](#)

☒ Percent Free Lunch 43 to 100

☒ Percent Kids in Poverty 23 to 100

Basemaps and Optional Layers

Layer Controls

Login And Account Settings

NAME	Total Population, 2010:	Under 18: Percent on Medicaid or CHIP	Total Population: Percent Uninsured	Teen Birth Rate	Total Population: Percent Obese	Total Population: Percent Food Insecure	Chlamydia Rate	Percent of Adults Without a High School Diploma	Percent Free Lunch	Percent Kids in Poverty
Gallatin	8,589	50.3 %	19.1 %	55.8	31.5 %	15.0 %	185.8	25.2 %	62.8 %	27.5 %
Carroll	10,811	52.2 %	19.0 %	78.8	33.6 %	18.4 %	308.7	25.7 %	58.7 %	33.4 %
Mason	17,490	38.1 %	15.9 %	61.7	31.8 %	15.8 %	481.5	20.0 %	52.5 %	31.8 %
Lewis	13,870	50.8 %	19.9 %	51.0	36.4 %	19.6 %	194.6	29.2 %	63.8 %	42.7 %
Robertson	2,282	47.1 %	19.8 %	0.0	32.0 %	18.4 %	89.7	25.4 %	54.3 %	35.4 %
Henry	15,416	42.2 %	16.7 %	56.6	35.3 %	15.5 %	246.1	19.7 %	47.8 %	26.3 %
Harrison	18,846	38.0 %	16.8 %	60.5	29.4 %	16.5 %	191.7	19.2 %	48.1 %	26.8 %
Fleming	14,348	40.2 %	19.2 %	53.8	35.7 %	15.3 %	144.7	21.9 %	50.5 %	31.3 %
Carter	27,720	50.2 %	17.6 %	50.7	32.0 %	16.0 %	155.9	25.2 %	53.5 %	34.2 %
Boyd	49,542	43.3 %	14.8 %	54.7	33.9 %	15.5 %	329.5	14.2 %	47.0 %	26.5 %
Rowan	23,333	46.3 %	19.4 %	25.9	34.1 %	17.3 %	572.5	23.5 %	53.0 %	32.6 %
Bourbon	19,985	39.1 %	18.9 %	46.5	33.2 %	16.1 %	265.0	16.9 %	52.1 %	26.4 %
Bath	11,591	59.6 %	19.0 %	79.4	34.4 %	18.4 %	281.0	25.4 %	68.5 %	36.5 %
Lawrence	15,860	51.9 %	17.2 %	48.7	37.0 %	17.6 %	112.3	28.4 %	59.8 %	32.8 %
Elliott	7,852	64.4 %	17.8 %	73.8	36.0 %	19.2 %	77.9	29.5 %	71.1 %	39.0 %
Montgomery	26,499	47.1 %	18.1 %	64.4	32.9 %	17.6 %	329.1	22.2 %	50.9 %	32.1 %
Morgan	13,923	62.3 %	18.8 %	36.3	36.4 %	18.2 %	78.9	30.7 %	63.3 %	38.1 %
Menifee	6,306	71.5 %	21.2 %	48.9	35.8 %	20.0 %	506.6	30.0 %	62.2 %	47.5 %
Johnson	23,356	57.5 %	17.5 %	51.8	40.2 %	16.1 %	94.0	27.7 %	50.8 %	32.8 %

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Restore All

Health Insurance and Coverage

☒ Under 18: Percent on Medicaid or CHIP

37 to 100

☐ Total Population: Percent Uninsured

9 to 100

Health Indicators

Education Indicators

Demographics and Poverty

☒ Percent Free Lunch

43 to 100

☒ Percent Kids in Poverty

23 to 100

☒ Total Population, 2010: ☒ Teen Birth Rate ☒ Chlamydia Rate ☒ Percent Kids in Poverty

☒ Under 18: Percent on Medicaid or CHIP ☒ Total Population: Percent Obese ☒ Percent of Adults Without a High School Diploma

☒ Total Population: Percent Uninsured ☒ Total Population: Percent Food Insecure ☒ Percent Free Lunch

Basemaps and Optional Layers

Layer Controls

Login And Account Settings

Questions?

www.healthlandscape.org/sdoh

jgrandmont@aafp.org