

Welcome

Kentucky Heart Disease and Stroke Prevention Task Force

October 19, 2023

Berry Hill Mansion
Frankfort, KY



Kentucky Public Health
Prevent. Promote. Protect.



Heart Disease & Stroke Prevention
TASK FORCE
KENTUCKY

New Member Orientation

Please join us in the Dining Room for New Member Orientation from 9:00 – 9:30 a.m.



Agenda

- 9:00 New Member Orientation
- 9:30 Registration Opens
- 10:00 Welcome: New Members, Starr Award, Data Overview
- 10:40 Kentucky Board of EMS – Goals & Updates
- 11:15 American Heart Association Advocacy Report
- 11:30 Speed Networking
- 12:30 Lunch – Presentation at 1:00
- 1:30 Committee Breakout Sessions
- 3:00 Committee Reports
- 3:25 Wrap Up/Announcements – Prize Drawing
- 3:30 Adjourn



Welcome: Dr. Kerri Remmel

Recognition of:

- New Members
- Task Force Steering Committee



Task Force Steering Committee

Gina Brien

- DPH – Division of Women's Health

Greg Brislin

- UofL Health Jewish Hospital

Ashlea Christiansen

- American Heart Association

John Holder

- Kentucky Board of EMS

Abigail Loechler

- American Heart Association

Brent McKune

- Kentucky Regional Extension Center

Kari Moore

- University of Louisville Hospital

Jennie Morehead

- The Emerald Foundation

Clara Robertson

- Baptist Health Hardin

Jane Van Tatenhove

- Baptist Health Lexington



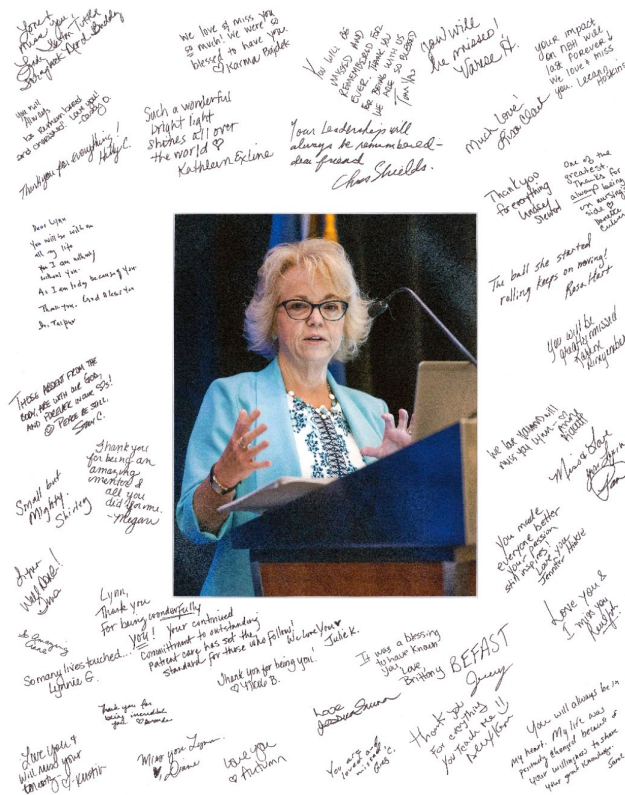
Housekeeping Items

A few housekeeping items to note:

- Restrooms
- Water
- Business Cards
- Meeting Evaluation Survey
 - Slido.com
 - #3127626



Shining Starr Award for Quality: Lynn Hundley



Data Overview

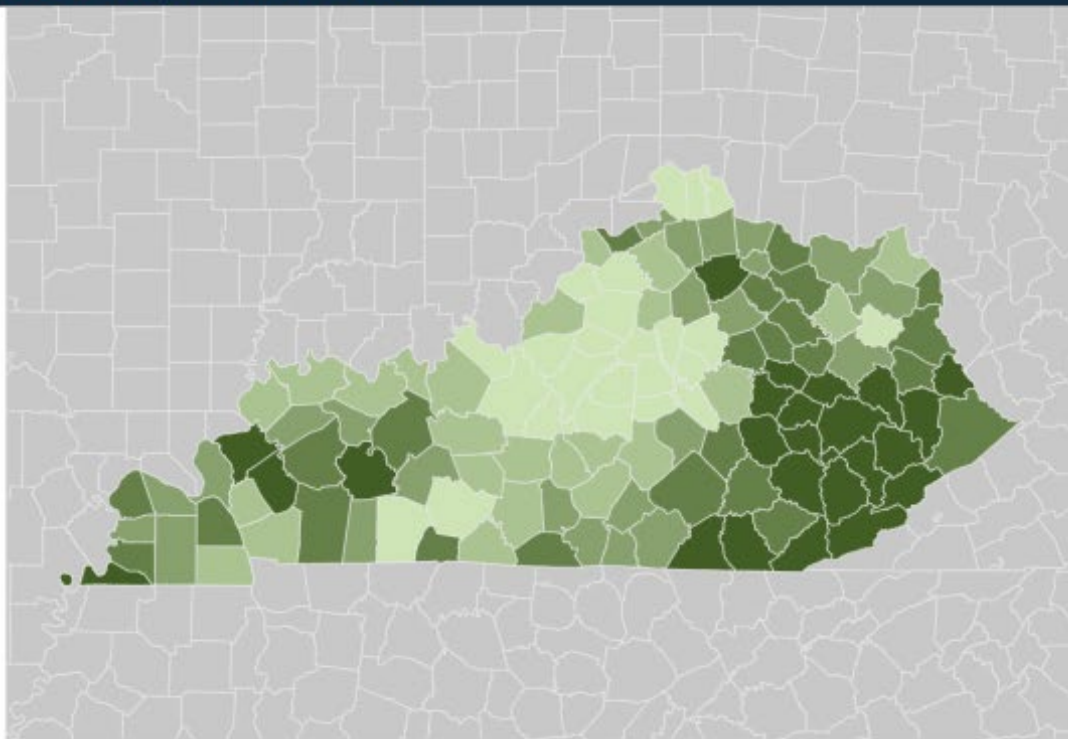
Samantha Albuquerque

- Kentucky Heart Disease and Stroke Prevention Program, Epidemiologist

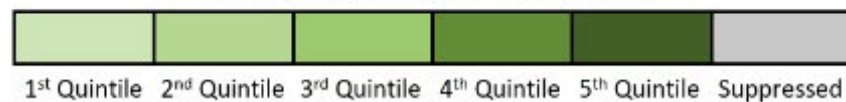


Heart Disease Death Rate (2019) and Trend (2010-2019), All Races, All Genders, 35-64 years

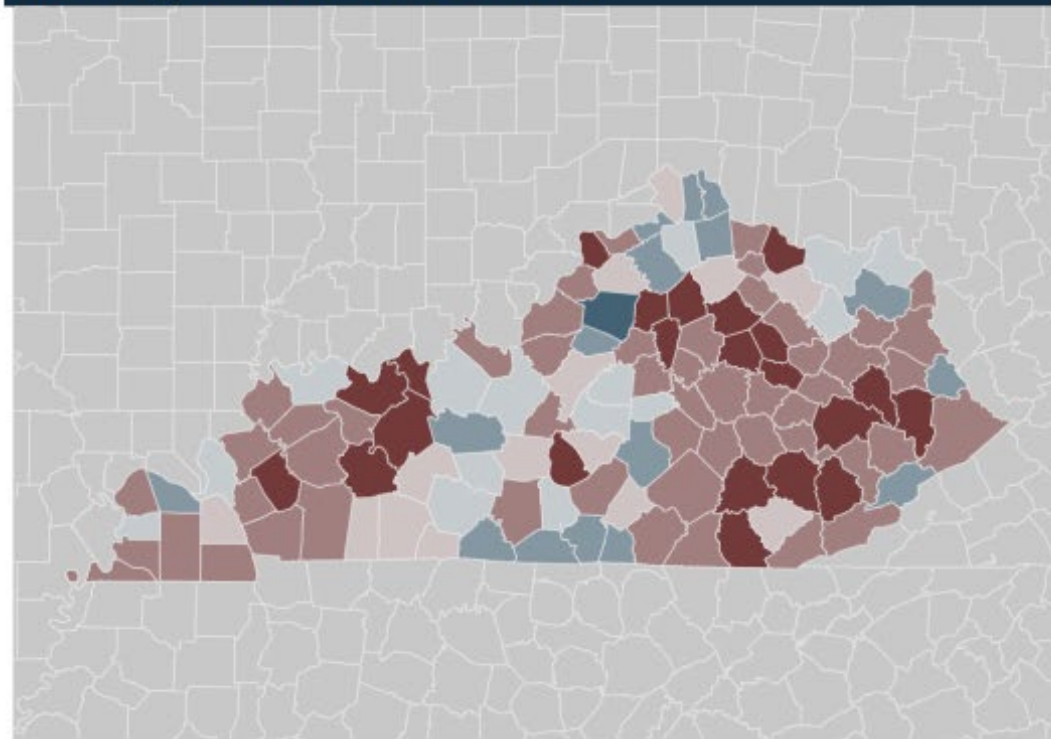
State Map of Death Rate



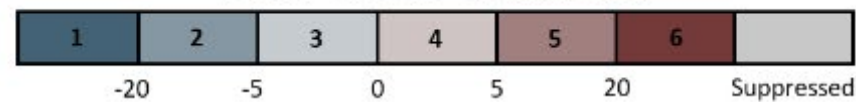
Death Rate (Per 100,000)



State Map of Trends in Death Rate



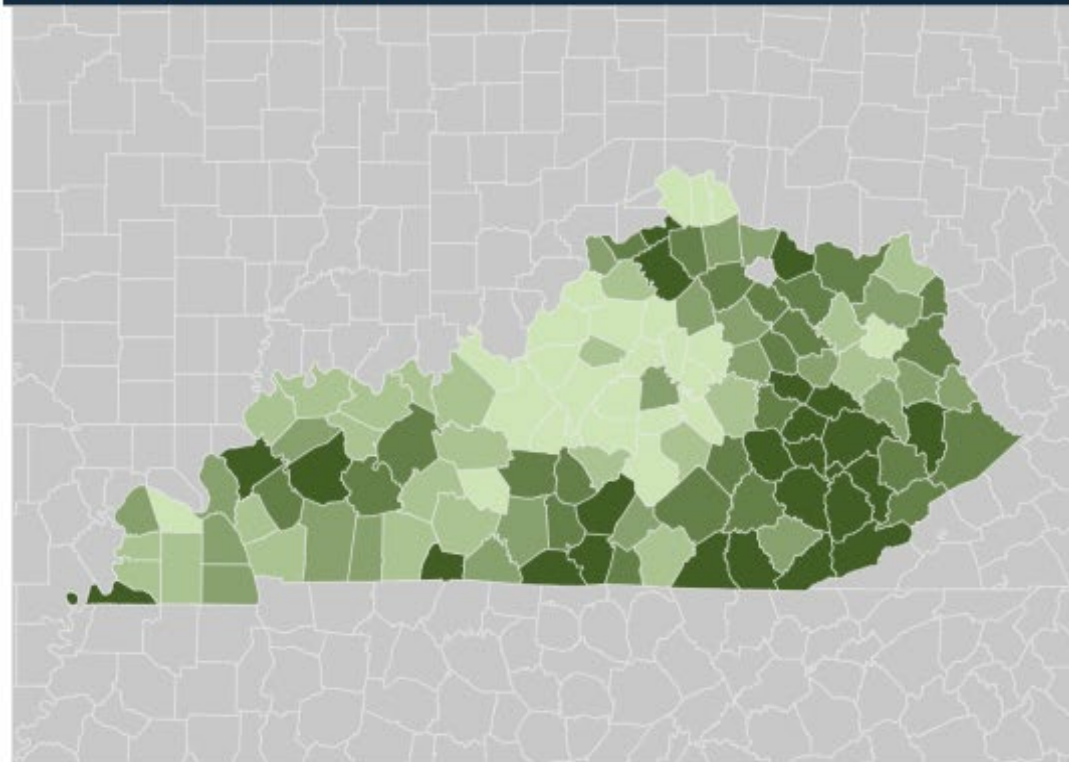
Total Percent Change (%)



Centers for Disease Control and Prevention. Local Trends in Heart Disease and Stroke Mortality Dashboard. <https://www.cdc.gov/dhbsp/maps/hd-stroke-mortality-dashboard.htm>. Accessed Sept 25, 2023.

Heart Disease Death Rate (2019) and Trend (2010-2019), All Races, All Genders, 65+ years

State Map of Death Rate

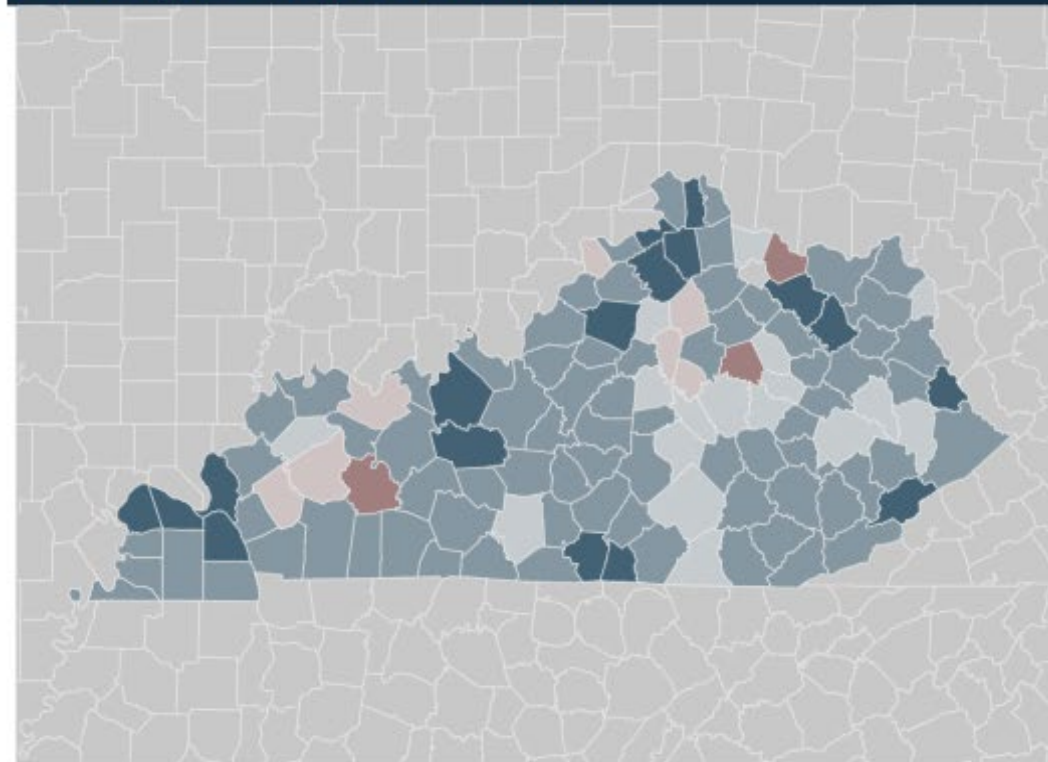


Death Rate (Per 100,000)



1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Suppressed

State Map of Trends in Death Rate



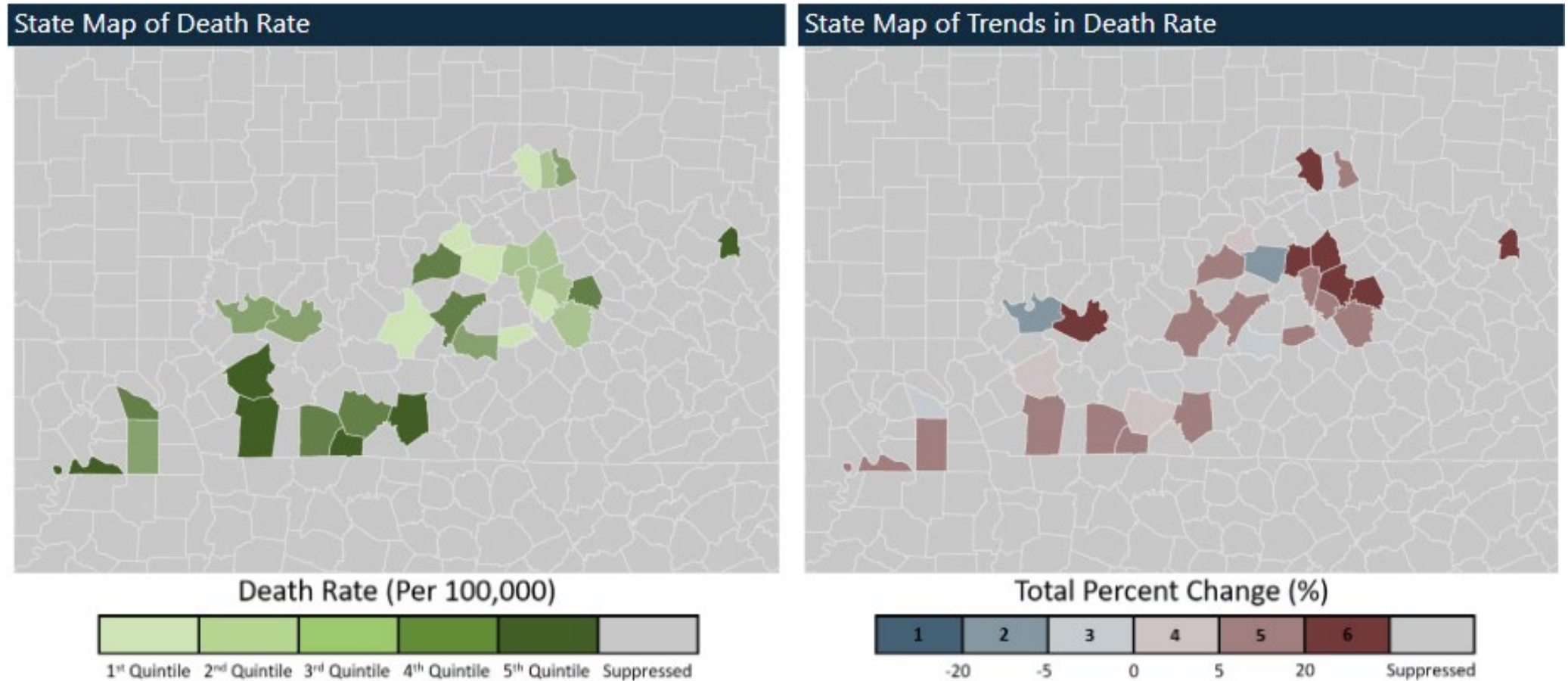
Total Percent Change (%)



1 2 3 4 5 6 Suppressed
-20 -5 0 5 20

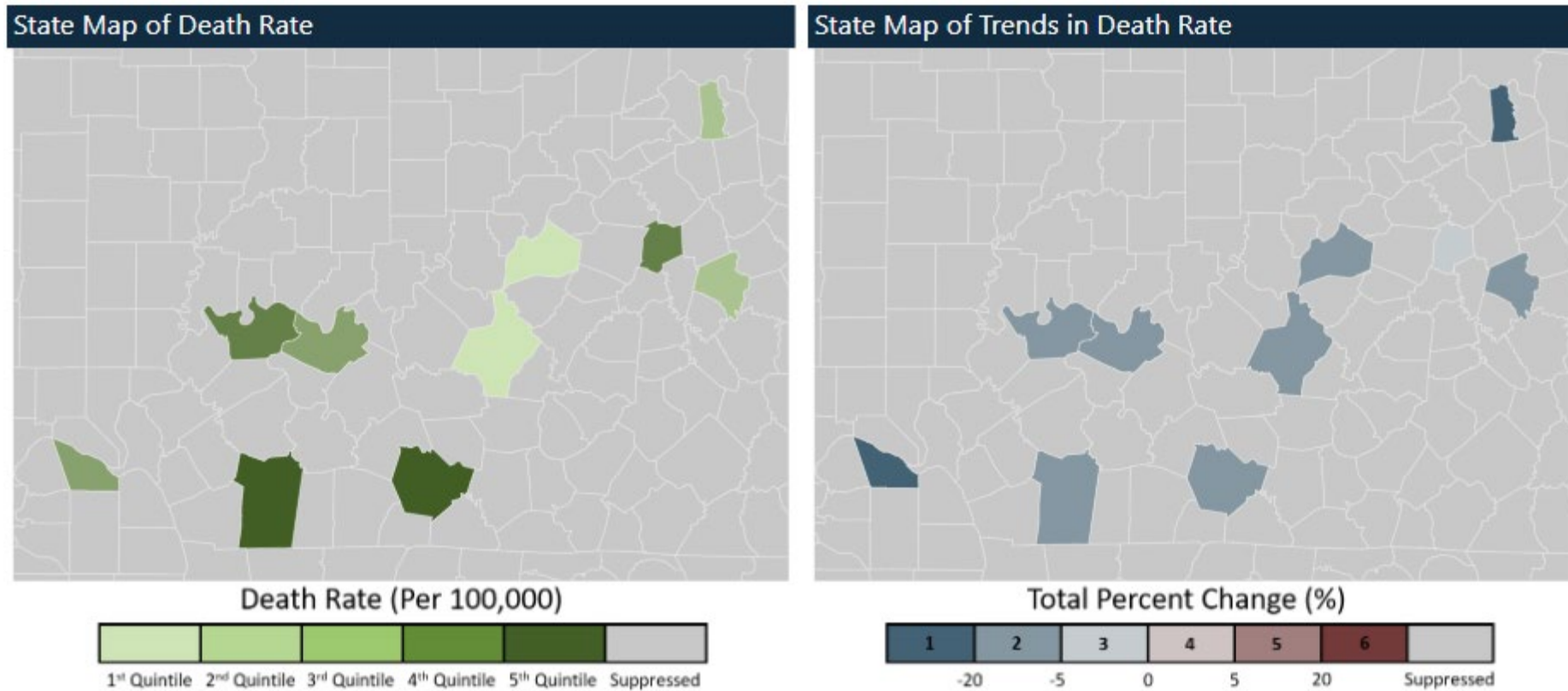
Centers for Disease Control and Prevention. Local Trends in Heart Disease and Stroke Mortality Dashboard. <https://www.cdc.gov/dhdsdp/maps/hd-stroke-mortality-dashboard.htm>. Accessed Sept 25, 2023.

Heart Disease Death Rate (2019) and Trend (2010-2019), Blacks, All Genders, 35-64 years



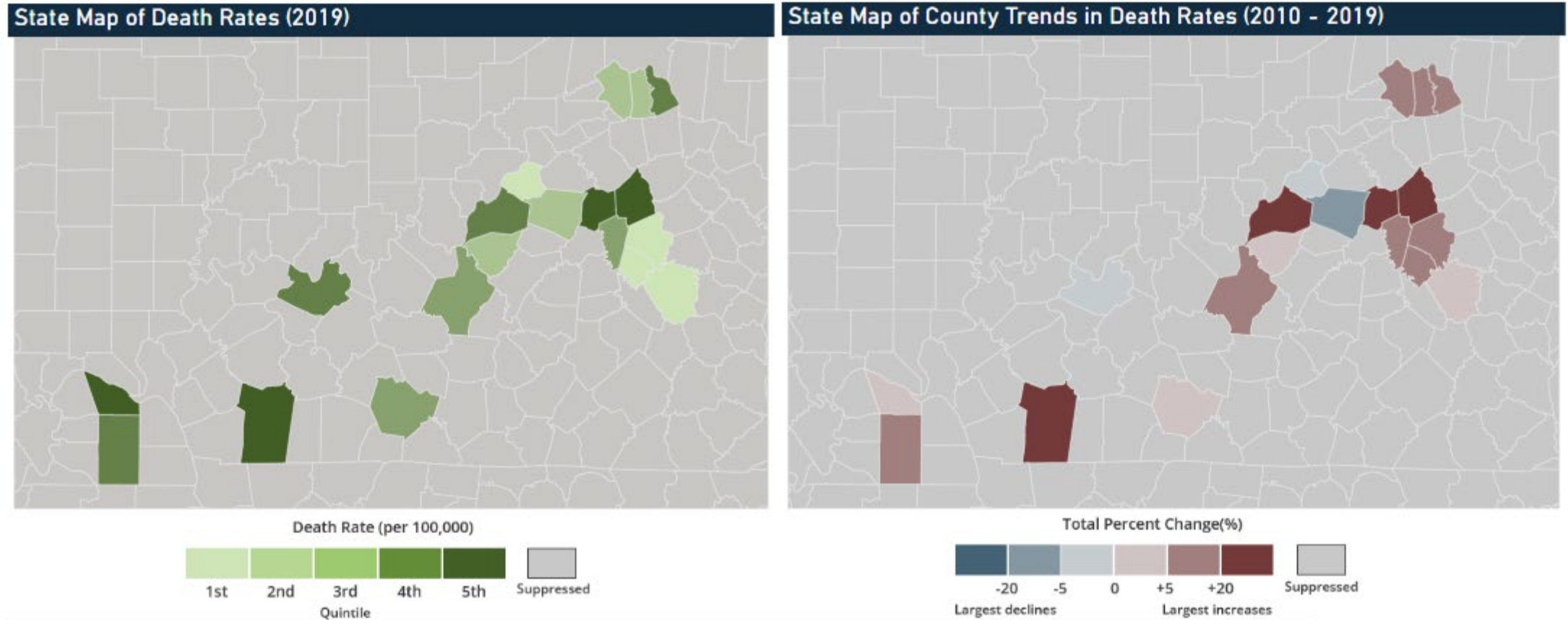
Centers for Disease Control and Prevention. Local Trends in Heart Disease and Stroke Mortality Dashboard. <https://www.cdc.gov/dhdsdp/maps/hd-stroke-mortality-dashboard.htm>. Accessed Sept 25, 2023.

Heart Disease Death Rate (2019) and Trend (2010-2019), Blacks, All Genders, 65+ years



Centers for Disease Control and Prevention. Local Trends in Heart Disease and Stroke Mortality Dashboard. <https://www.cdc.gov/dhds/maps/hd-stroke-mortality-dashboard.htm>. Accessed Sept 25, 2023.

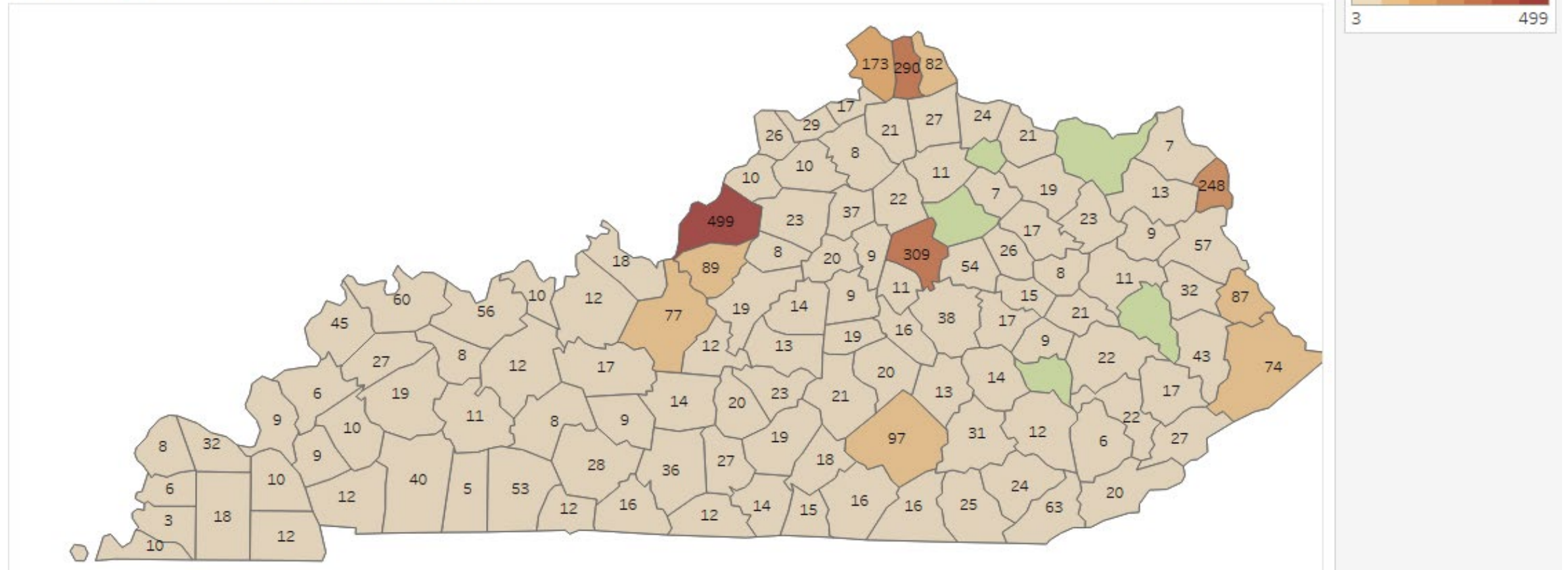
Heart Disease Death Rate (2019) and Trend (2010-2019), Hispanics, All Genders, 35-64 years



Centers for Disease Control and Prevention. Local Trends in Heart Disease and Stroke Mortality Dashboard. <https://www.cdc.gov/dhds/maps/hd-stroke-mortality-dashboard.htm>. Accessed Oct 6, 2023.

Number of Providers by County of Employment, 2023

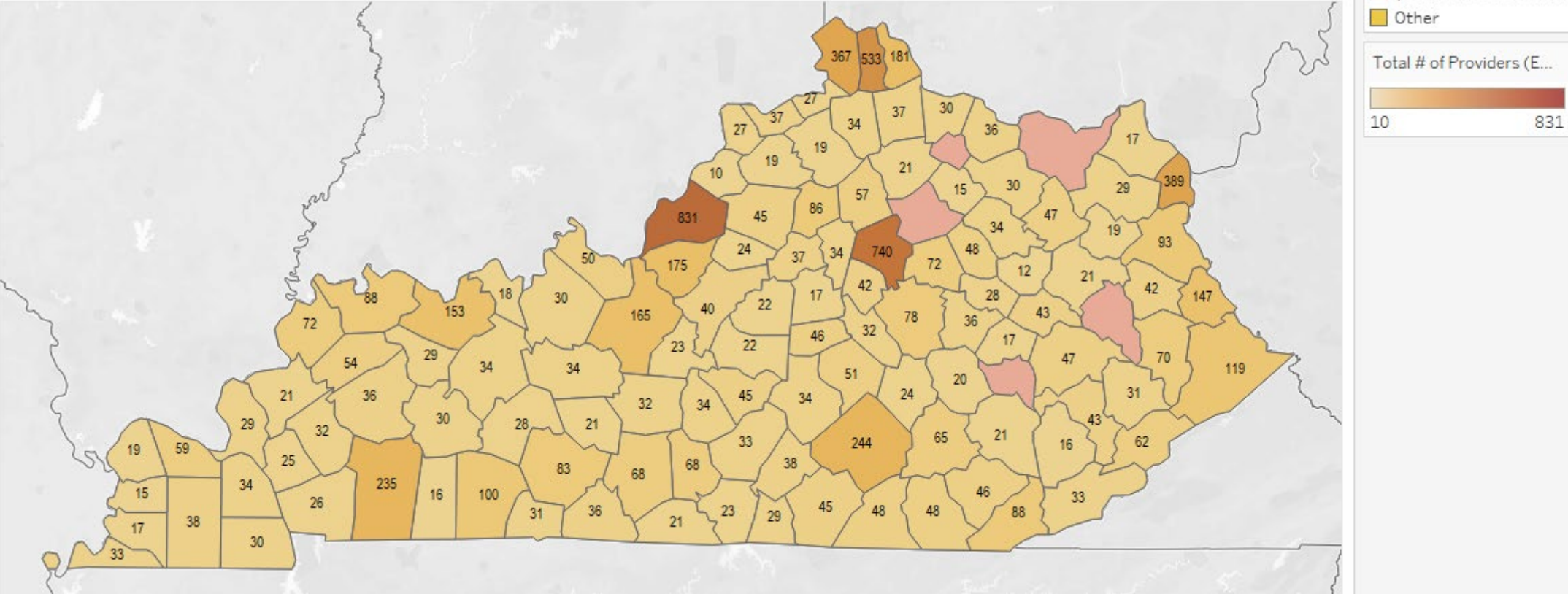
Number of EMTs Employed in County



Map created by KHDSP Program, Oct 2023. EMS Data source: KBEMS, D. Taylor, personal communication, June 2023.

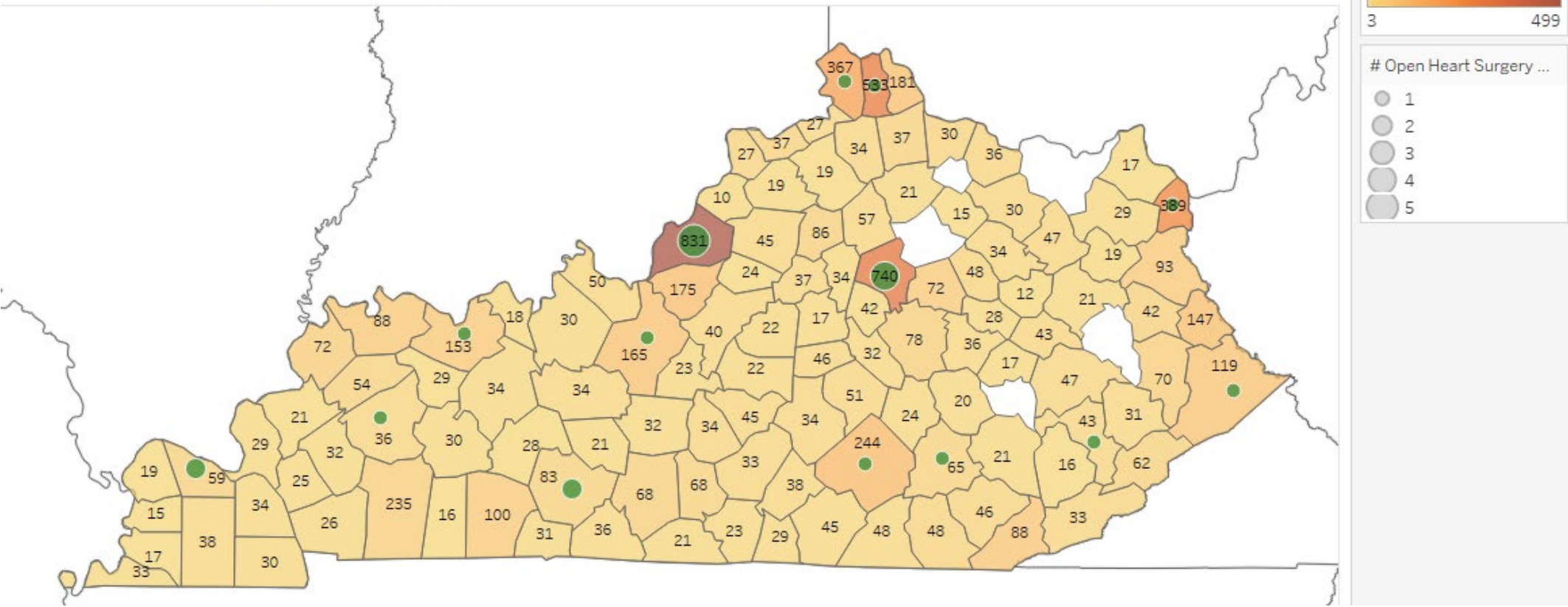
Total number of Providers (EMT + Paramedic + Advanced EMT) Employed in a County, 2023

Total # of Providers (EMT + Paramedic + Advanced EMT)



Open-Heart Surgery Hospitals and EMS Providers per County, 2023

EMS Providers and Open Heart Surgery Hospitals

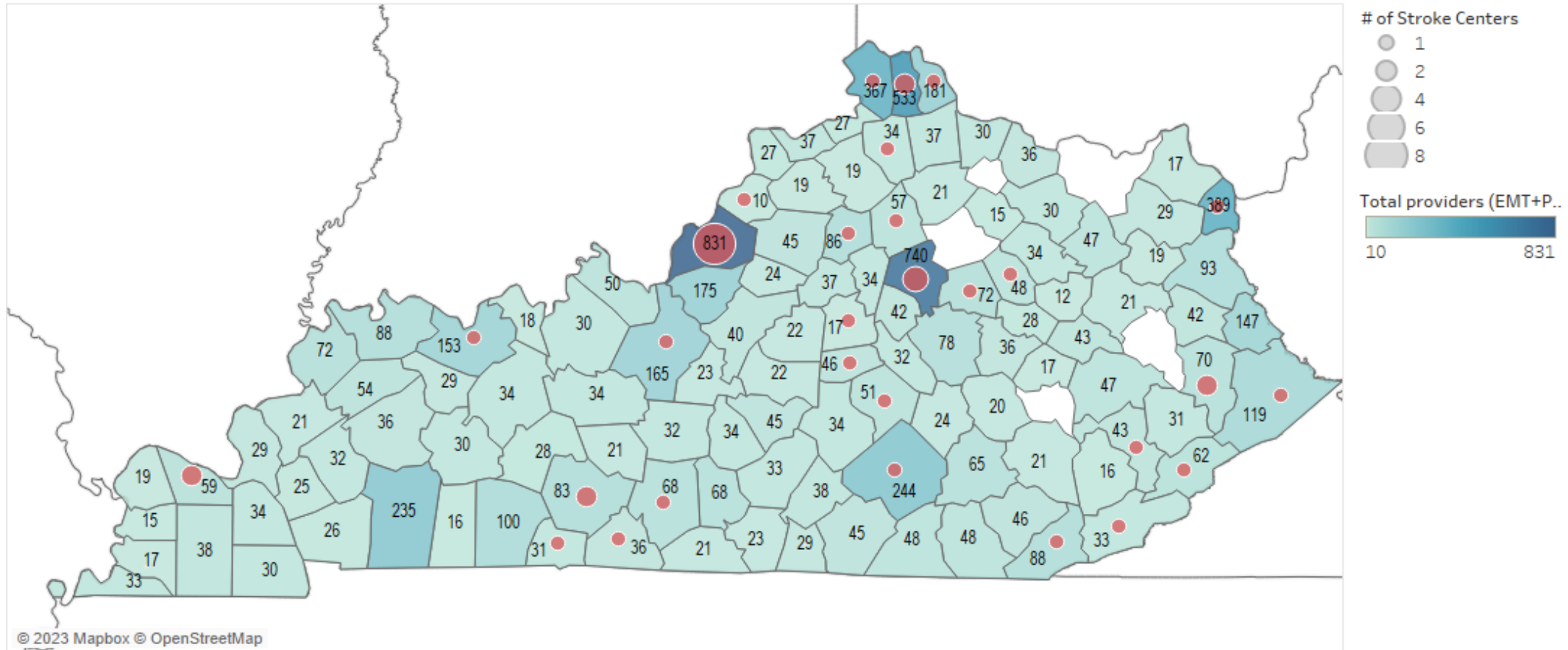


Map created by KHDSP Program, Oct 2023. EMS Data Source: KBEMS, D. Taylor, personal communication, 2023.

Open Heart Surgery Hospital List: CHFS, Office of Inspector General, Division of Certificate of Need. Inventory of Kentucky Health Facilities, Health Services and Major Medical Equipment. Sept 2023.

Stroke Centers and EMS Providers per County, 2023

EMS Providers and Stroke Centers



Map created by KHDSP Program, Oct 2023. EMS Data source: KBEMS, D. Taylor, personal communication, 2023. Stroke Care Network, H. Brown, personal communication, Sept 2023.

ZCTA

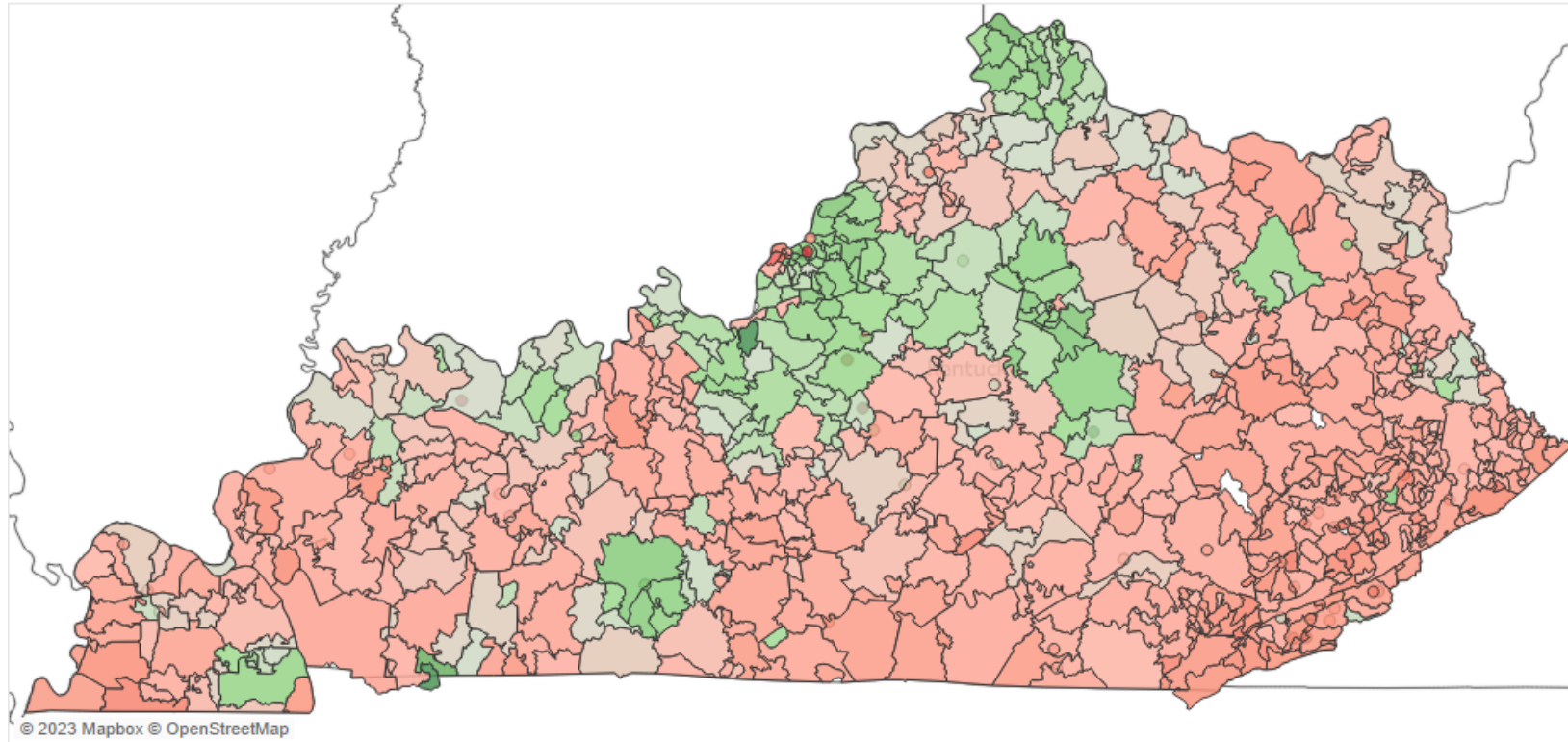
- 🛡 ZIP Code Tabulation Area
- 🛡 ZIP Code USPS
- 🛡 ZCTA Census Bureau
- 🛡 General representation of ZIP codes assigned to census blocks
- 🛡 In most cases, ZCTA = ZIP Codes
- 🛡 No ZCTA for large unpopulated areas, single or very few addresses, or areas with only businesses



Sources: <https://towardsdatascience.com/stop-using-zip-codes-for-geospatial-analysis-ceacb6e80c38>. <https://help.healthycities.org/hc/en-us/articles/115006016767-What-is-the-difference-between-ZIP-Codes-and-ZCTAs->

High BP Crude Prevalence by ZCTA

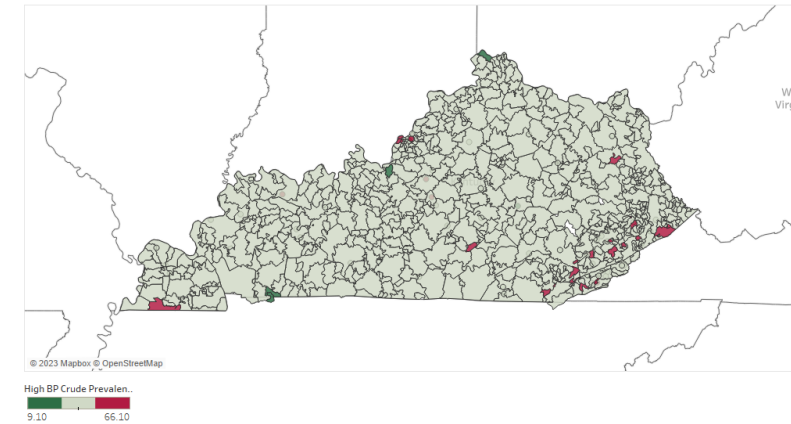
High BP Crude Prevalence by ZCTA



High BP Crude Prevalen...

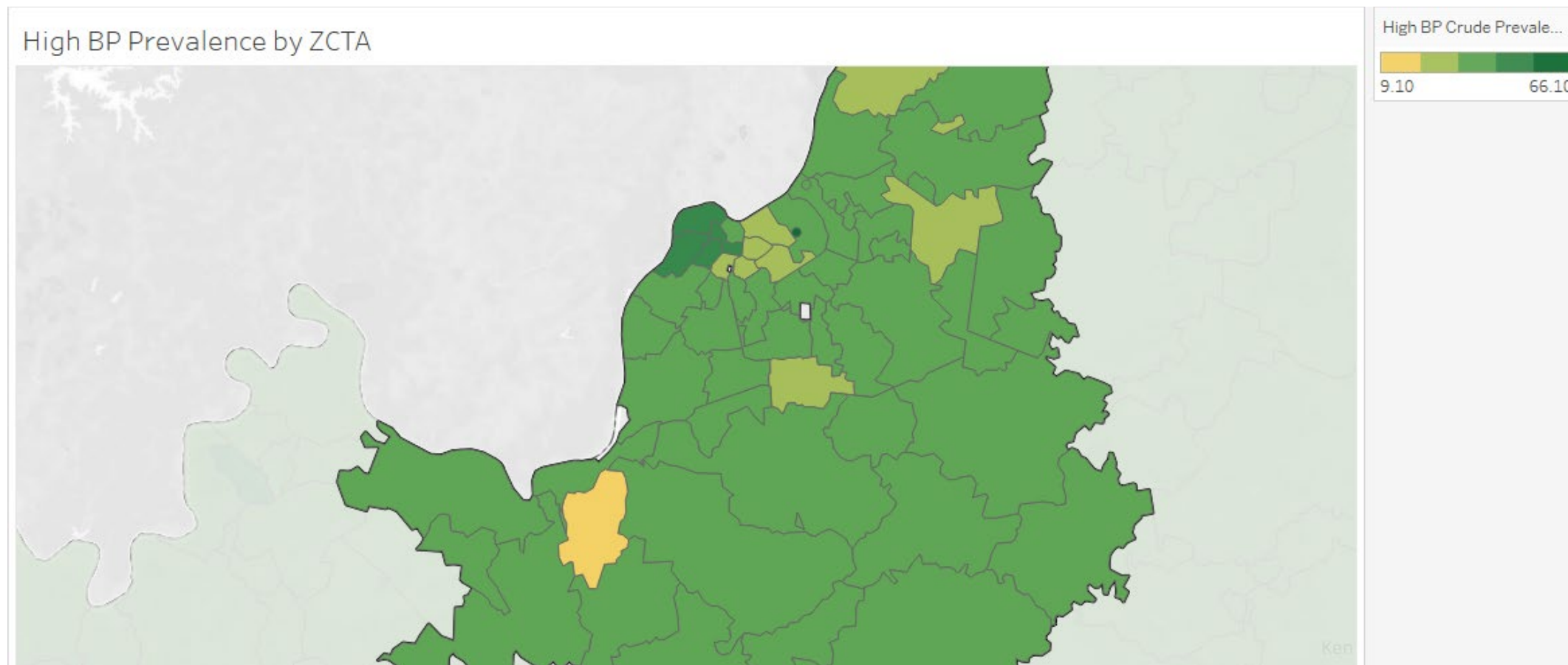
9.10 66.10

High BP Crude Prevalence by ZCTA



Map created by KHDSP Program, Oct 2023. Data source: PLACES, Centers for Disease Control and Prevention, <http://cdc.gov/places/>. Accessed Sept 2023.

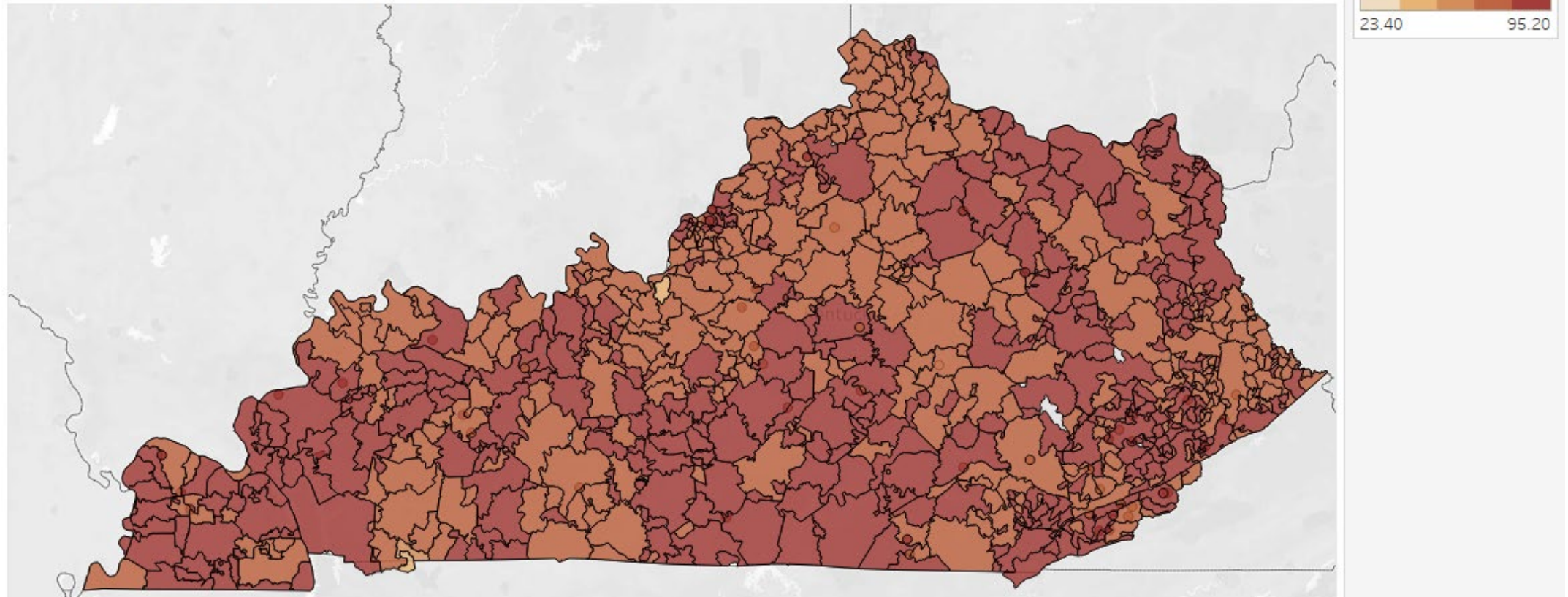
High BP Crude Prevalence by ZCTA in and around Jefferson County



Map created by KHDSP Program, Oct 2023. Data source: PLACES, Centers for Disease Control and Prevention, <http://cdc.gov/places/>. Accessed Sept, 2023.

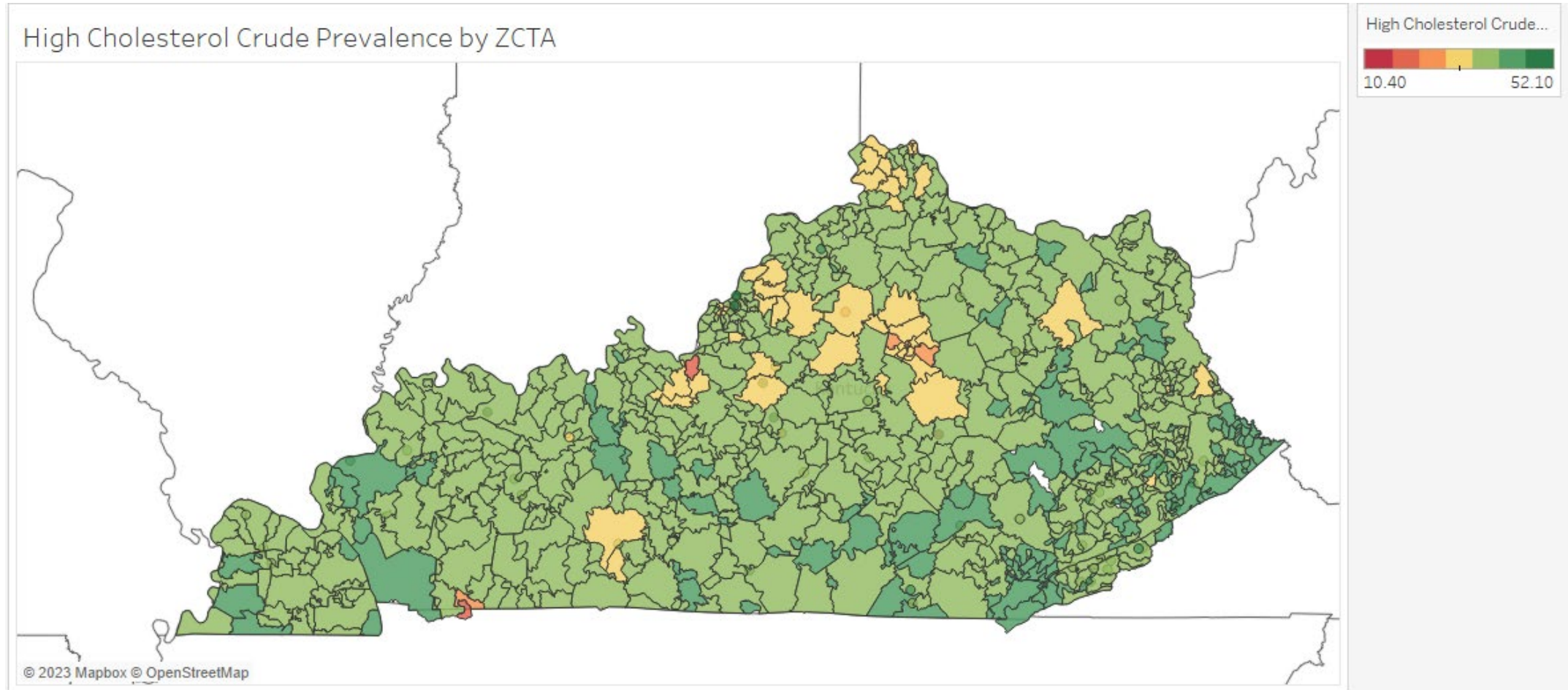
BP Medication Crude Prevalence by ZCTA

BP Medication Crude Prevalence by ZCTA



Map created by KHDSP Program, Oct 2023. Data source: PLACES, Centers for Disease Control and Prevention, <http://cdc.gov/places/>. Accessed Sept 2023.

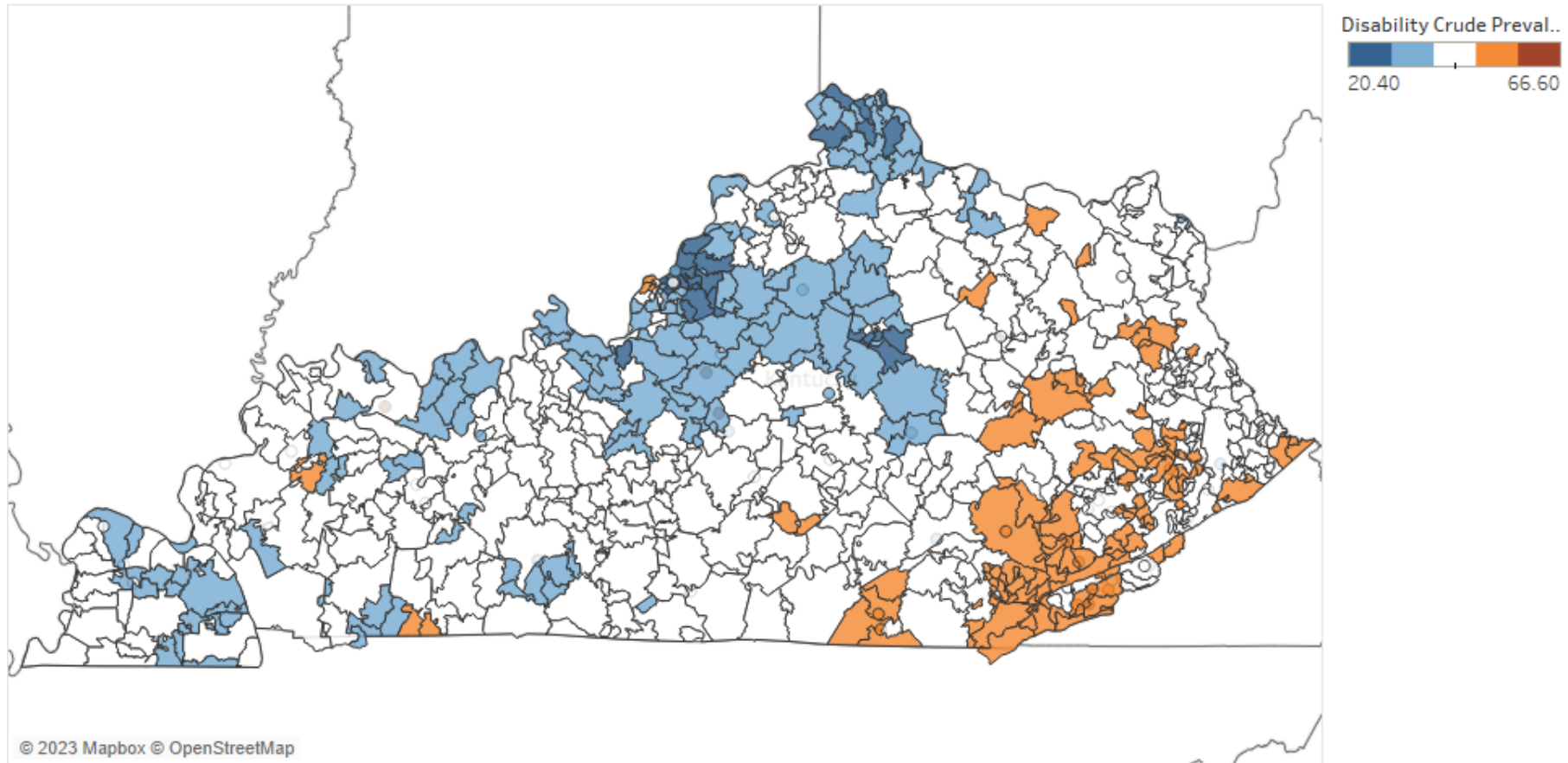
High Cholesterol Crude Prevalence by ZCTA



Map created by KHDSP Program, Oct 2023. Data source: PLACES, Centers for Disease Control and Prevention, <http://cdc.gov/places/>. Accessed Sept 2023.

Disability Crude Prevalence by ZCTA

Disability Crude Prevalence by ZCTA



Map created by KHDSP Program, Oct 2023. Data source: PLACES, Centers for Disease Control and Prevention. <http://cdc.gov/places/> Accessed Sept 2023.

Inpatient Hospital Charges for Diseases of the Heart* by Patient Area Development District, 2022

ADD	2022			
	Cases	ALOS	Avg Charge	Total Charges
01 - Purchase	2,559	4.26	\$90,067.75	\$230,483,376.37
02 - Pennyrite	1,803	5.21	\$83,667.71	\$150,852,875.65
03 - Green River	2,255	4.54	\$60,536.61	\$136,510,047.06
04 - Barren River	3,679	4.99	\$63,999.68	\$235,454,828.52
05 - Lincoln Trail	3,089	4.90	\$89,769.48	\$277,297,928.23
06 - KIPDA	10,555	5.60	\$95,681.76	\$1,009,920,995.30
07 - Northern Kentucky	5,053	4.71	\$60,065.81	\$303,512,540.19
08 - Buffalo Trace	700	3.50	\$80,403.88	\$56,282,714.26
09 - Gateway	1,004	4.53	\$64,074.74	\$64,331,034.16
10 - Fivco	2,221	4.29	\$64,932.70	\$144,215,528.12
11 - Big Sandy	2,027	4.80	\$89,239.39	\$180,888,235.95
12 - Kentucky River	1,678	5.03	\$75,527.64	\$126,735,373.03
13 - Cumberland Valley	3,015	4.98	\$74,488.58	\$224,583,065.68
14 - Lake Cumberland	2,476	5.30	\$98,752.16	\$244,510,351.72
15 - Bluegrass	7,372	4.97	\$89,133.80	\$657,094,369.56
Out of State	4,591	5.11	\$100,399.55	\$460,934,328.12
Total	54,077	4.99	83,281.39	\$4,503,607,591.92

*Primary ICD-10 diagnosis Code (any): I00-I09, I11, I13, I20-I51

Source: Kentucky Hospital Inpatient Claims 2022; Kentucky Cabinet for Health and Family Services, Office of Data Analytics.






Inpatient Hospital Charges for Cerebrovascular Disease* by Patient Area Development District, 2022

ADD	2022			
	Cases	ALOS	Avg Charge	Total Charges
01 - Purchase	677	5.33	59,131.04	\$40,031,713.01
02 - Pennyrile	503	5.70	63,759.27	\$32,070,913.43
03 - Green River	534	7.04	60,310.64	\$32,205,881.14
04 - Barren River	957	8.05	65,972.78	\$63,135,950.72
05 - Lincoln Trail	992	7.26	88,286.81	\$87,580,520.35
06 - KIPDA	3,328	7.90	102,309.75	\$340,486,864.12
07 - Northern Kentucky	1,447	7.26	39,972.25	\$57,839,851.79
08 - Buffalo Trace	151	6.83	78,426.11	\$11,842,341.88
09 - Gateway	250	6.10	68,183.27	\$17,045,817.96
10 - Fivco	416	5.41	72,325.35	\$30,087,344.93
11 - Big Sandy	517	7.20	86,985.54	\$44,971,524.43
12 - Kentucky River	429	8.13	85,721.35	\$36,774,459.86
13 - Cumberland Valley	775	7.51	90,053.80	\$69,791,693.59
14 - Lake Cumberland	782	7.70	97,397.68	\$76,164,986.26
15 - Bluegrass	2,527	7.76	90,868.53	\$229,624,776.31
Out of State	1,500	7.06	101,401.57	\$152,102,349.67
Total	15,785	7.35	83,735.00	\$1,321,756,989.45

*Primary ICD-10 diagnosis Code (any): I60-I69

Source: Kentucky Hospital Inpatient Claims 2022; Kentucky Cabinet for Health and Family Services, Office of Data Analytics.

Thank you!

-  John Holder and Doug Taylor, KBEMS
-  Sarojini Kanotra and Judes Boulay, KyBRFS
-  Harold Brown, Stroke Care Network
-  Emily Kessinger, KHDSP Program
-  KHDSP Program Team

Kentucky Board of EMS – Goals & Updates

Major Chris Lokits

- Louisville Metro EMS
- Kentucky Board of EMS, Member



Kentucky
Board of
Emergency
Medical
Services





KBEMS Authority

- KRS 311A.020

“Exercise all of the administrative functions of the state not regulated by the Board of Medical Licensure or Cabinet for Health and family Services in the regulation of Emergency Medical Services system and the practice of Emergency Medical Service, and emergency Medical Services training institutions..”

Board Members



John Holder – Chair
KAPA



Harry Clark
KY Assoc. of Counties



Ben Neal
KY Assoc. of Fire Chiefs



Keith Smith – Vice Chair
Hospital Based EMS - KHA



Chris Lokits
EMS Educators



JoEllen Reed
Kentucky League of Cities



Donovan Blackburn
Hospital Administrator
KHA



Adam Mather
CHFS - OIG



David Webb
Air Medical Services



❖ Not Pictured

- Brandon Edmiston
Citizens at large
- Ronald Crafton, MD
EMS Medical Director – KMA, KCACEP
- Gena Cooper, MD
Pediatric Provider - KMA, KCACEP



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KBEMS Standing Committees

- Data Collection

Chair Mike Rogers

- Executive Committee

Chair Keith Smith

- Education

Chair Debbie Berry

- EMS for Children

Chair Mary Fallat, MD

- Medical Oversight

Chair Chris Lokits



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Subcommittees

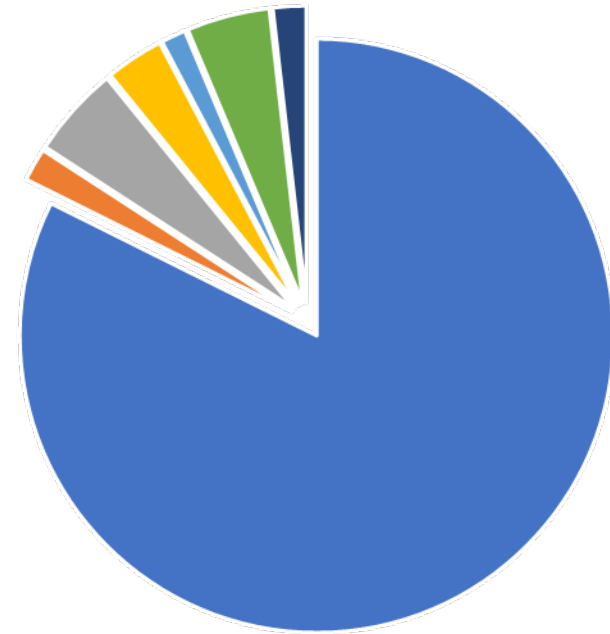
- Cardiac and Stroke Care
Chair Justin Fraser, MD
- Mobile Integrated Healthcare and Community Paramedicine
Chair Seth Lockard



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EMS Across the Commonwealth

- 225 Services
 - 7 Service Classifications.
 - All ground transport agencies are licensed within the first four (4) classifications.



■ Class I ■ Class II ■ Class III ■ Class IV
■ Class VI ■ Class VII ■ Class VIII



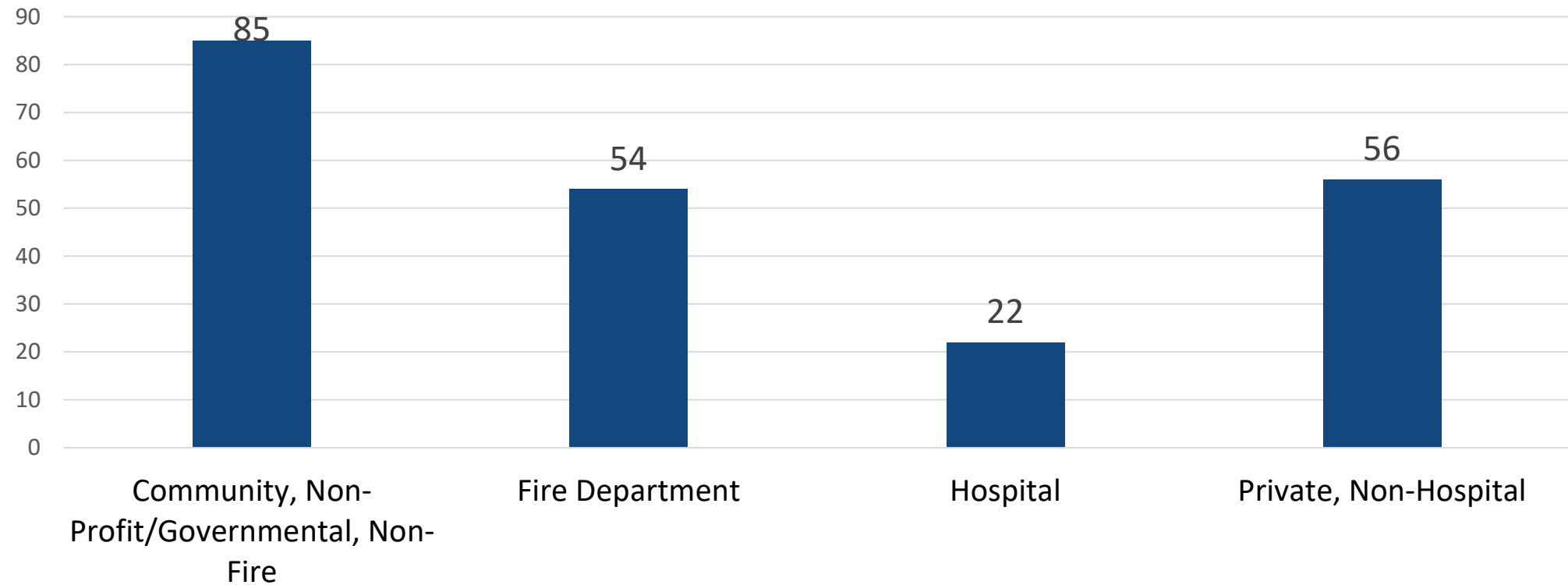
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EMS Agencies

Classifications	# of Agencies
<u>Class I</u> – Ground ambulance agency operating at the Advanced Life Support (ALS), Basic Life Support (BLS), or Adult Critical Care Transport level to provide emergency and non-emergency care and transportation.	186
<u>Class II</u> – Ground ambulance agency operating at the BLS level only to provide nonemergency care and transportation.	4
<u>Class III</u> – Ground ambulance agency operating at the ALS level to provide critical care, specialty care, emergency or nonemergency care, and transportation between healthcare facilities.	11
<u>Class IV</u> – Ground ambulance agency operating at the ALS or BLS level to provide emergency and non-emergency care and transportation for restricted locations, such as industrial sites or other sites that do not provide services outside the designated geographic service area.	7
<u>Class V</u> – MIH pending	0
<u>Class VI</u> – Agency providing medical first response without patient transport at the ALS or BLS level.	3
<u>Class VII</u> – Rotor wing air ambulance service may provide ALS emergency or nonemergency transportation. Fixed wing may provide ALS or BLS emergency or nonemergency transportation.	10
<u>Class VIII</u> – Agency providing BLS or ALS pre-hospital care above the first-aid level at special events, sports events, concerts or large social gathering.	4



EMS Models

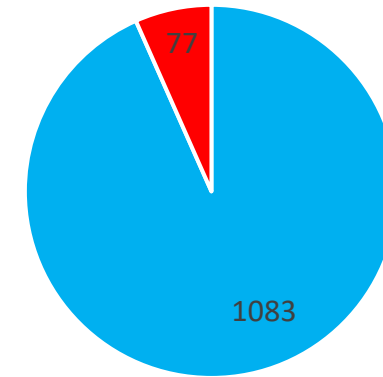


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EMS Vehicles

- Every agency and ambulance licensed in Kentucky must undergo an initial inspection.
- As part of the re-licensure process, every agency must submit to an annual inspection to ensure compliance with regulatory requirements

1,160
Active Vehicles



■ Ground ■ Air

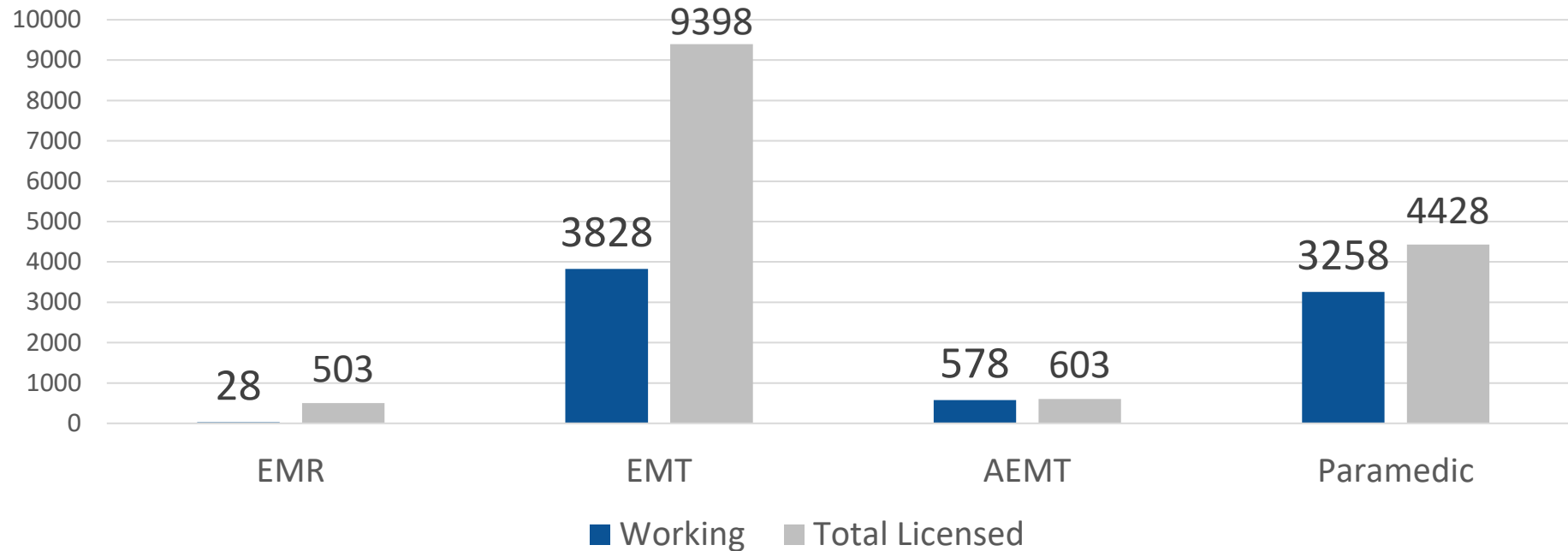


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EMS Providers

- 7,692 EMS Providers affiliated with an agency

**Some affiliated with multiple EMS agencies*



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New Certification/Licensure

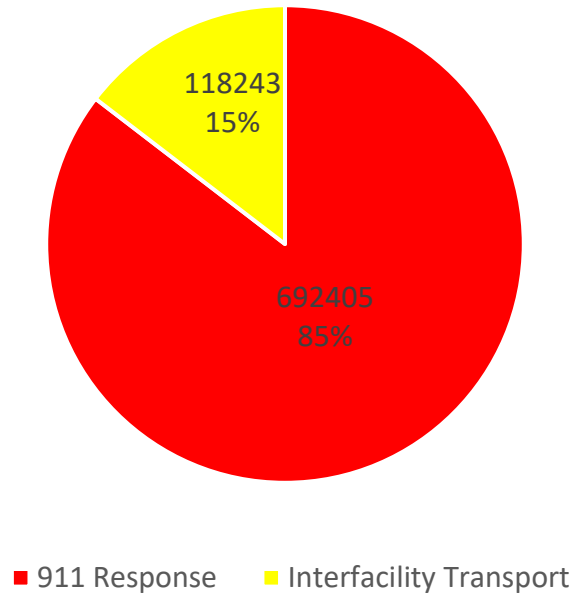
- EMR - 67
- EMT - 823
- AEMT - 119
- Paramedic - 211



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EMS Volume

Type of Service



Cardiovascular and Stroke Sub-committee

- Members

- Justin Frazier, MD – Chair
- Lacy Shumway, Vice Chair
- Debbie Berry
- Tracey Crawford
- Phil Dietz
- William Dillon, MD
- Curtis Given, MD
- Jeremy Jeffrey
- Alex Kuhn
- Jerry Roy, MD
- Jim Williams
- Scott Helle



Goals and Projects

- Workforce Development
- CARES Registry
 - 27 EMS Agencies
 - 13 Hospitals
- Mobile Integrated Healthcare/Comm. Paramedicine
- Agency License Opportunities
- Clinical Education Partnerships
- Appropriate Ambulance Utilization



kbems.ky.gov



Thank you!

Advocacy Report – Policy Update

Ashlea Christiansen

- American Heart Association, Government Relations Director



Speed Networking - Instructions

- Using the Speed Networking list in your folder, choose 3 table topics that you are interested in visiting.
- Take out your Speed Networking “ticket” and a pen or pencil, pack up your personal items and place them in the middle of your table.
- Note pages and stickers are on each table – take some notes and mark your ticket!
- Be ready to join the first table of your choosing – but if it is full, choose another table. You don’t want to be left standing!



Speed Networking – First Table

15 Minutes



Speed Networking – Second Table

15 Minutes



Speed Networking – Third Table

15 Minutes



Lunch – Let's Eat!

Lunch is provided by the Kentucky Heart Disease and Stroke Prevention Program.

Please gather your lunch from the tables in the hallway and enjoy!

- If you noted a dietary accommodation on your registration, please see Breanna Walker for your boxed lunch.



Lunch Presentation – 1:00

Kentucky Heart Attack Response and Treatment Recognition Application Walkthrough

Breanna Walker

- Kentucky Heart Disease and Stroke Prevention Program, Task Force Coordinator



Recognition in the Kentucky Statewide System for Heart Attack Response and Treatment

Breanna Walker, BSN, RN

October 19, 2023



Brief History of 902 KAR 20:470

2022

- February – House Bill 512 sponsored by Representative David Meade.
- April – House Bill 512 signed into law by Governor Andy Beshear.

2023

- June – Kentucky Administrative Regulation 902 KAR 20:470 became effective.
- October – Applications for recognition accepted via email.

2024

- April – Recognition applications due via email.
- June – List of recognized hospitals will be posted on Kentucky Heart Disease and Stroke Prevention Program webpage.

Recognition Application Walkthrough

- 🛡️ Identify primary and secondary contacts.
- 🛡️ Gather needed documentation and save in PDF format.
 - Option 1:
 - » Copy of hospital's certification or accreditation letter
 - » Copy of hospital's full executive summary
 - Option 2:
 - » Copy of state approved certificate of need (CON) acknowledgement
 - » Documentation of service details for percutaneous cardiac intervention (PCI) or open-heart surgery

Recognition Application Walkthrough

- 🛡️ Complete application (pages 3-5 of the Step-by-Step Guide for Recognition in the Kentucky Statewide System for Heart Attack Response and Treatment), save in PDF format.
- 🛡️ Submit completed application via email to khdsp@ky.gov.
- 🛡️ If you have any questions throughout the application process, please email khdsp@ky.gov.

Dates to Note



April 1, 2024

- Completed applications due via email to khdsp@ky.gov.



May 1, 2024

- Primary and secondary contacts will be notified if applications have been accepted or require revision.



May 15, 2024

- Final revisions due to be submitted via email.



June 1, 2024

- List of recognized hospitals will be posted to the KHDSP webpage.

Sources



House Bill 512

- <https://apps.legislature.ky.gov/record/22rs/hb512.html>



Kentucky Revised Statutes Chapter 211



- [211.340](#)
- [211.341](#)
- [211.342](#)
- [211.343](#)



Kentucky Administrative Regulations

- [Title 902 | Chapter 020 | Regulation 470](#)

Contact Information

-  Breanna Walker, Task Force Coordinator, Kentucky Heart Disease and Stroke Prevention Program
-  Contact information:
 - breanna.walker@ky.gov

Committee Breakout Sessions

Heart Systems of Care (HSOC)

- Dining Room

Kentucky Against Stroke and Heart Disease (KASH)

- Bridal Room

Stroke Encounter Quality Improvement Project (SEQIP)

- Music Room



Committee Report: Heart Systems of Care

Co-Chairs:

Greg Brislin

- UofL Health Jewish Hospital

Clara Robertson

- Baptist Health Hardin



Committee Report: KASH

Co-Chairs:

Gina Brien

- Kentucky Department for Public Health – Division of Women's Health

Jennie Morehead

- The Emerald Foundation



Committee Report: SEQIP

Kari Moore

- University of Louisville Hospital

Jane Van Tatenhove

- Baptist Health Lexington



KHDSP Task Force Webpage



KHDSPTaskForce.com

Meeting documents will be posted to the Task Force website:

<https://khdspTaskforce.com/meetings>

October 19, 2023

Spring Task Force Meeting – Save the Date!

The spring KHDSP Task Force meeting will be held on May30, 2024 at the Harold R. Benson Research and Demonstration Farm in Frankfort, KY



Speed Networking Prize Winner!

Let's draw a random name from our Speed Networking participants to receive a great prize!



Thank you!



Heart Disease & Stroke Prevention

TASK FORCE

K E N T U C K Y