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**Coverdell**  
NATIONAL ACUTE STROKE PROGRAM

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# Paul Coverdell National Acute Stroke Program Grant

*Implementing the Kentucky Stroke  
Improvement Cooperative (KSIC)  
to Advance Stroke Care Across the  
Care Continuum in Kentucky*

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# Objectives

- Provide Grant Overview
- Discuss Cooperative Members and Roles
- Review Coverdell Performance Measures
- Discuss SEQIP's role and needs from membership
- Share Coverdell evaluation concepts
- Discuss next steps

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# Overview

- **Funding Agency:** Centers for Disease Control and Prevention (CDC)
- **Type:** Non-Research Cooperative Agreement
- **Timeframe:** 3-years (renewed annually)
- **Start Date:** June 30, 2021
- **Principal Investigators/Key Personnel:**
  - Brent McKune (UK)
  - Dr. Larry Goldstein (UK)
  - Kari Moore (UofL)
  - Dr. Kerri Remmel (UofL)
  - Dr. Karen Roper (UKDFCM)



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- Purpose

- Coordination and expansion of existing efforts in Kentucky to improve stroke-related health outcomes
- Work with Kentucky health care systems and community providers to implement comprehensive stroke systems
  - Prevention in high risk populations
  - Optimize care delivery for those who have had a stroke

- Strategy

- Creation of the Kentucky Stroke Improvement Cooperative (KSIC)

# Kentucky Stroke Improvement Cooperative (KSIC)

## Lead Organizations

- **University of Kentucky/UK HealthCare**

- UK Department of Neurology - Dr. Larry Goldstein
  - PI of the Paul Coverdell National Acute Stroke Program Grant
- UK Kentucky Regional Extension Center - Brent McKune, Rita Scheuler, Jessica Elliot, Robin Curnel
  - Center within UK Healthcare leading the rollout of the grant strategies
- Kentucky Neuroscience Institute – Dr. Larry Goldstein, Dr. Craig Van Horne, Dr. Linda Van Eldik
- UK-Norton Healthcare Stroke Care Network - Dr. Larry Goldstein, Lisa Bellamy
  - Providing high quality clinical care and educational programs to physicians, hospital staff, as well as community members
- UK Center of Excellence Rural Health – Dr. Fran Feltner, Keisha Hudson
  - Supporting the creation of CHW or navigation program to support patients at greatest risk for poor outcomes
- UK Dept of Family and Community Medicine - Dr. Karen Roper
  - Evaluator of Paul Coverdell National Acute Stroke Program Grant strategies
- UK College of Public Health – Dr. Donna Arnett
  - CARE Collaborative Data Analysis
- UK Biostatistics – Dr. Chris McLouth



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# Kentucky Stroke Improvement Cooperative (KSIC) Lead Organizations

- **University of Louisville/ U of L Health**

- U of L Department of Neurology – Kerri Remmel, MD, PhD; Kari Moore, MSN, AGACNP-BC
  - Serving as Co-PIs
- U of L Health Comprehensive Stroke Program
  - Providing high quality clinical care and educational programs to physicians, hospital staff, as well as community members
  - Participating in all strategies of the Paul Coverdell National Acute Stroke Program

- **Kentucky State Government**

- Kentucky Department for Public Health Chronic Disease Branch - Sue Thomas-Cox
- Kentucky Heart Disease and Stroke Prevention Program - Lonna Boisseau
  - Participating in all strategies of the Paul Coverdell National Acute Stroke Program



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# Kentucky Stroke Improvement Cooperative Statewide Partners

- Kentucky Stroke Encounter Quality Improvement Project (SEQIP) – Volunteer program providing stroke care guidance and GWTG-S support
- Kentucky Heart Disease and Stroke Prevention Task Force – Professionals that will encourage and support collaboration among stroke care providers
- Kentucky Health Information Exchange – Providing health information exchange services
- Kentucky Board of Emergency Medical Services – Improving efficiency & quality within EMS and hospital settings to improve transitions of care
- Kentucky Office of Rural Health – Providing support with community health workers and dissemination of materials
- Kentucky American Heart/Stroke Association Personnel– Participation in workgroups and Dissemination of materials
- Kentucky Primary Care Association – Dissemination of materials
- Alliant Health – The Quality Improvement Organization providing dissemination of materials



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# Paul Coverdell Measures

Short-Term Outcomes	Increased measurement, tracking, and assessment of data across stroke systems of care for those at highest risk for stroke events and stroke patients	
	C.1	# and % of providers with a protocol for identifying populations at highest risk for stroke events
	C.2a	# and % of stroke patient records submitted to a statewide integrated management system by hospitals and EMS agencies
	C.2b	# and % of hospitals and EMS agencies submitting data to a statewide integrated data management system
	C.3	# and % of hospitals with an implemented referral tracking system to support transitions of care for stroke patients post-discharge
	Increased implementation of data- driven QI activities across stroke systems of care for those at highest risk for stroke events and stroke patients	
	C.4	# and % of EMS agencies and hospitals implementing improvements in stroke care practices or patient care protocols as a result of quality improvement activities
	C.5	# and % of hospitals and EMS agencies with system-wide workforce development efforts in place to improve clinical knowledge for stroke care and recognition of disparities in stroke care
	Increased establishment of community resources and clinical services for those at highest risk for stroke events and stroke patients across stroke systems of care	
	C.8	# of patients at high risk for stroke events or post-acute stroke within clinical and/or community settings that engage with patient navigators or community health workers for follow up and support



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## C1: Track and monitor clinical measures to improve data infrastructure across stroke systems of care

### Key Activities

- Assessment of needs of the Care Collaborative Resources for intervention work with Kentucky Certified Stroke Centers
- Begin CARE Collaborative work with recruited hospitals

### Contributing Partners

- KSIC
- KHDSP
- AHA

### Measures

- **Measure 3:** # and % of entities across the stroke systems of care monitoring disparities in identification of stroke risk factors, stroke care, and referrals for stroke compared to all stroke patients
  - **Year 1 Target:** Increase measure by 5%



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## C2: Establish & expand statewide data infrastructure links pre/post-hospital data for measurement, tracking & assessment

### Key Activities

- Recruit at least one hospital in a high risk county pursuing an initial or more advanced certification
- Recruit at least one hospital in a high risk county to participate in SEQIP
- Update and disseminate stroke resources through KHDSP Task Force website (KHDSPtaskforce.com) statewide

### Measures

- **Measure 4:** # and % of hospitals submitting of stroke patient records submitted to a statewide integrated management system by hospitals and EMS agencies
  - **Year 1 Target:** Increase # / % of Patient Stroke Data submitted to SEQIP by 5%

### Contributing Partners

- KSIC
- KHDSP
- AHA



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## C3: Coordinate the development & implementation of a referral tracking system to support transitions of care Post Discharge

### Key Activities

- Assess the existing health information exchange capabilities and barriers of recruited hospitals
- Provide access to training webinars on the electronic exchange of health information

### Measures

- **Measure 6:** # and % of hospitals with an implemented referral tracking system to support transitions of care for stroke patients post-discharge
  - **Year 1 Target:** Increase measure by 5%

### Contributing Partners

- KSIC
- KHDSP
- KHIE



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## C4: Analyze & identify areas to improve the efficiency & quality within EMS & hospital settings to improve transitions of care

### Key Activities

- Assessment of Certified Stroke Centers Quality and QI Methodology
- Identification of EMS agencies providing computerized run sheets to the state system

### Contributing Partners

- KSIC
- KHDSP
- KHIE
- KBEMS
- AHA

### Measures

- **Measure 7:** # and % of EMS agencies and hospitals implementing improvements in stroke care practices or patient care protocols as a result of quality improvement activities
  - **Year 1 Target:** increase measure by 5%
- **Measure 8:** # and % of EMS agencies and/or hospitals reporting an improvement in a selected performance measure of care based on identified performance gaps and quality improvement activities
  - **Year 1 Target:** increase measure by 5%



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## C5: Coordinate, develop, & implement professional & workforce development opportunities

### Key Activities

- Identify current workforce development programs and goals
- Assess recruited organizations readiness to learn and change
- Identify education methods that support workforce development goals

### Contributing Partners

- KSIC
- KHDSP

### Measures

- **Measure 9:** # and % of hospitals and EMS agencies with system-wide workforce development efforts in place to improve clinical knowledge and recognition of disparities in stroke care
  - **Year 1 Target:** Increase measure by 5%
- **Measure 10:** # and % of EMS agencies and/or hospitals reporting an improvement in a selected performance measure of care based on identified performance gaps and quality improvement activities
  - **Year 1 Target:** Increase measure by 5%
- **Measure 11:** # and % of hospitals and EMS agencies with system-wide workforce development efforts in place to improve clinical knowledge for stroke care and recognition of disparities in stroke care
  - **Year 1 Target:** Increase measure by 5%



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## C8: Facilitate engagement of patient navigators/CHWs in the management of those at highest risk for stroke & Support

### Key Activities

- Assess possible candidates within recruited agencies for current CHW or navigator program
- Support Certified Stroke Centers in creation of CHW or navigation program to support patients at greatest risk for poor outcomes

### Contributing Partners

- KSIC
- UKCERH

### Measures

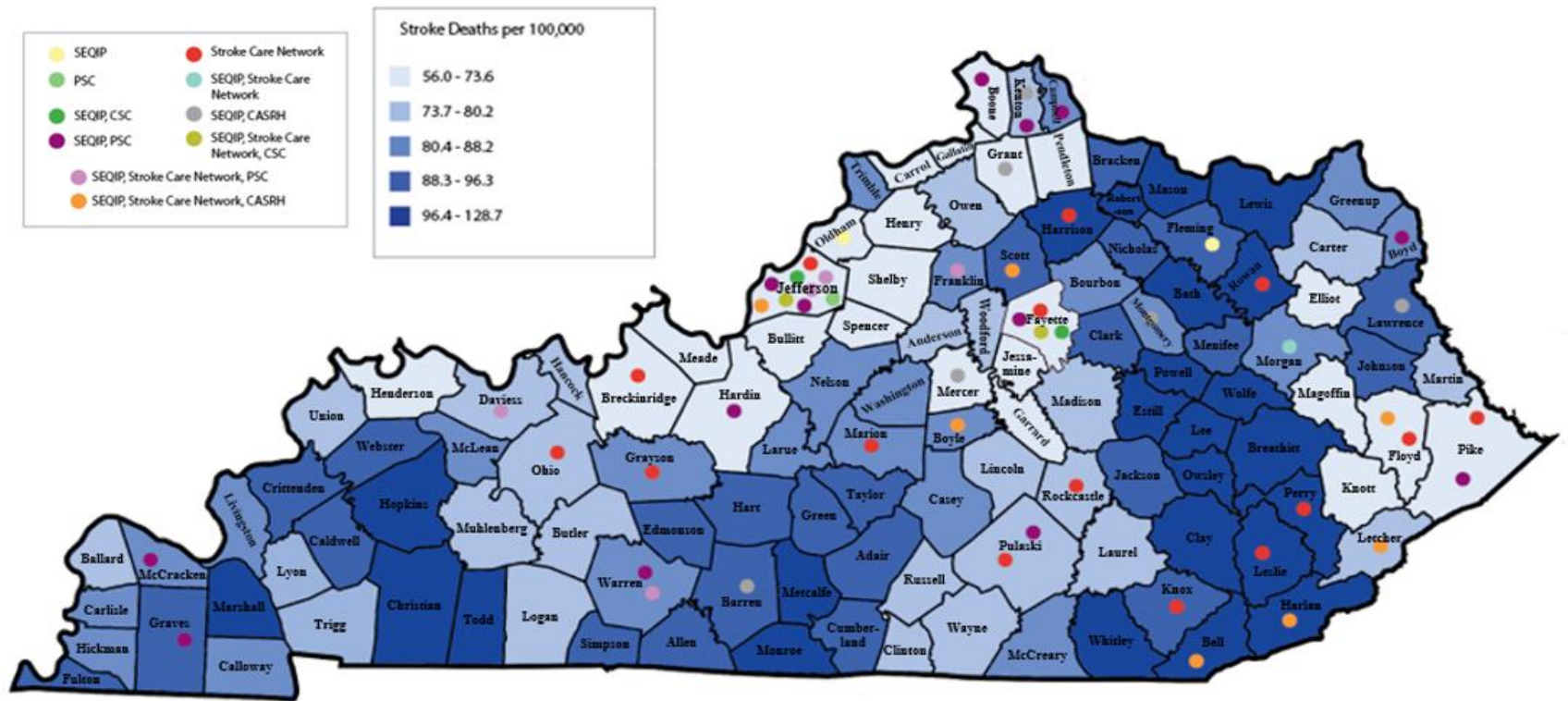
- **Measure 14:** # of patients at high risk for stroke or post-acute stroke within clinical and/or community settings that engage with patient navigators or CHW for follow up
  - **Year 1 Target:** Increase measure by 5%.



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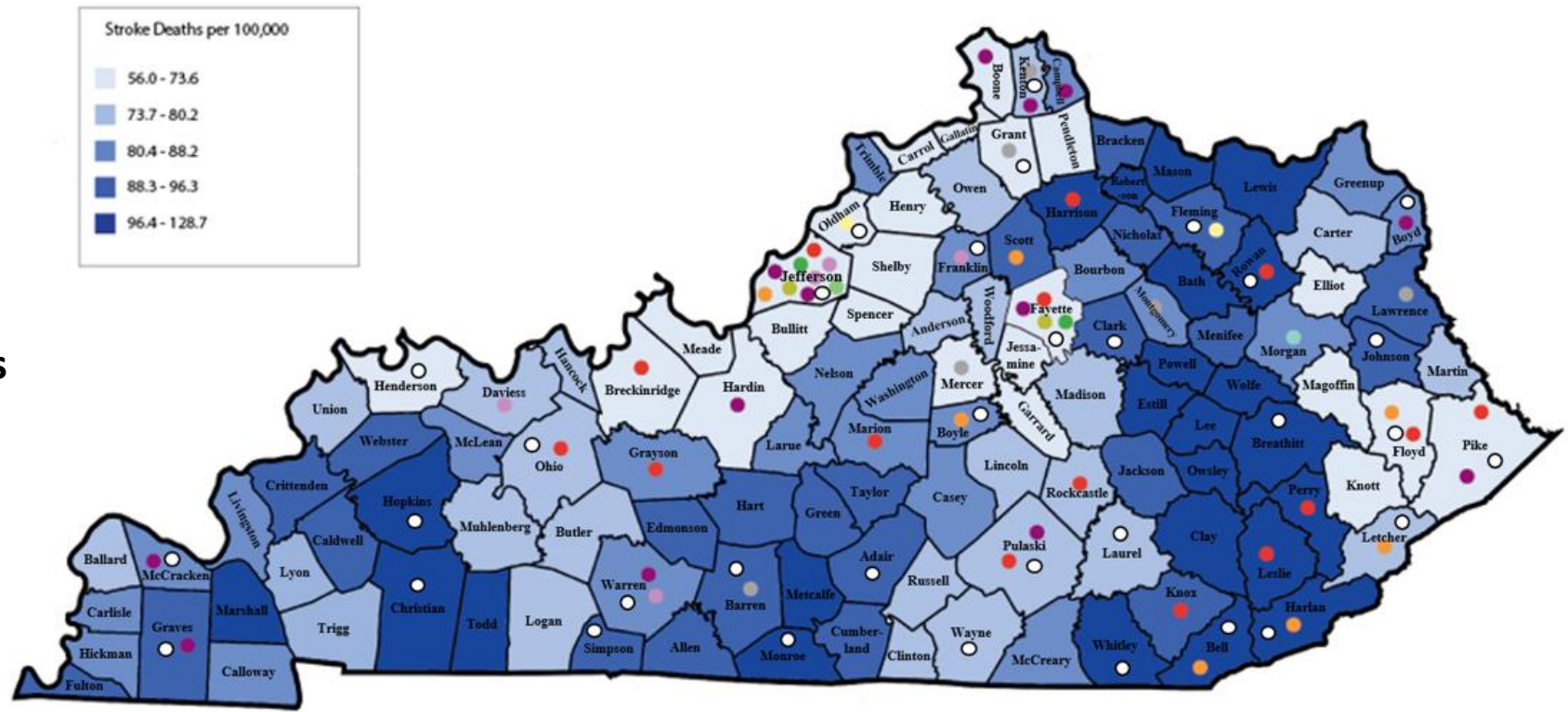
## EMS Agencies Highest Stroke Mortality



<b>Bath County</b> <ul style="list-style-type: none"> <li>Bath County Ambulance Service (Community, Non-Profit) (ALS/BLS)</li> </ul>	<b>Fulton County</b> <ul style="list-style-type: none"> <li>Twin Cities Ambulance Service d/b/a Kentenn EMS (Hospital) (ALS/BLS)</li> </ul>	<b>Marshall County</b> <ul style="list-style-type: none"> <li>Marshall CO. Ambulance Service (Community, Non Profit) (ALS/BLS)</li> </ul>	<b>Powell County</b> <ul style="list-style-type: none"> <li>Powell County Ambulance Service (Governmental, Non-Fire) (ALS/BLS)</li> </ul>
<b>Bell County</b> <ul style="list-style-type: none"> <li>Bell Co. Emergency Ambulance Service (Governmental, Non-Fire) (ALS, BLS)</li> <li>Middlesboro FD Ambulance Service (Fire Department) (ALS, BLS)</li> <li>Cumberland Gap Tunnel Authority (Governmental, Non-Fire) (BLS)</li> </ul>	<b>Harlan County</b> <ul style="list-style-type: none"> <li>Lifeguard Emergency Medical Services 1303 (Private, Non-Hospital) (ALS/BLS)</li> </ul>	<b>Mason County</b> <ul style="list-style-type: none"> <li>Maysville-Mason County Ambulance Service (Fire Department) (ALS/BLS)</li> <li>Portsmouth Emergency Ambulance Service (Private, Non Hospital) (ALS/BLS)</li> </ul>	<b>Robertson County</b> <ul style="list-style-type: none"> <li>Bracken County EMS (Government, Non-Fire) (ALS/BLS)</li> </ul>
<b>Breathitt County</b> <ul style="list-style-type: none"> <li>Watts-Caney Fire and Rescue (Fire Department) (ALS, BLS)</li> <li>Cross Medical Response (Private, Non Hospital) (ALS, BLS)</li> </ul>	<b>Harrison County</b> <ul style="list-style-type: none"> <li>Brown Ambulance Services (Private, Non Hospital) (ALS, BLS)</li> </ul>	<b>Metcalfe County</b> <ul style="list-style-type: none"> <li>Barren-Metcalfe CO. Ambulance Service 1281 (Community, Non-Profit) (ALS/BLS)</li> </ul>	<b>Rowan County</b> <ul style="list-style-type: none"> <li>Morehead-Rowan Co. EMS (Community, Non-Profit) (ALS/BLS)</li> </ul>
<b>Christian County</b> <ul style="list-style-type: none"> <li>Hopkinsville/Christian County Emergency Ambulance (Fire Department) (ALS/BLS)</li> <li>Air Evac Lift team (Private, Non Hospital) (ALS-Rotor, ALS/BLS - fixed)</li> </ul>	<b>Hopkins County</b> <ul style="list-style-type: none"> <li>Medical Center Ambulance Service, INC (Community, Non Profit) (ALS/BLS)</li> </ul>	<b>Monroe County</b> <ul style="list-style-type: none"> <li>Monroe CO. Ambulance Services (Hospital) (ALS/BLS)</li> </ul>	<b>Todd County</b> <ul style="list-style-type: none"> <li>Todd CO. Ambulance Services (Private, Non Hospital) (ALS/BLS)</li> </ul>
<b>Clay County</b> <ul style="list-style-type: none"> <li>Clay County Ambulance Service (Community, Non-Profit) (ALS/BLS)</li> </ul>	<b>Lee County</b> <ul style="list-style-type: none"> <li>Citizens of Lee County Ambulance (Private, Non Hospital) (ALS/BLS)</li> </ul>	<b>Owsley County</b> <ul style="list-style-type: none"> <li>Allen's Ambulance Service, INC. (Private, Non Hospital) (ALS/BLS)</li> </ul>	<b>Whitley County</b> <ul style="list-style-type: none"> <li>Whitley County EMS (Governmental, Non-Fire) (ALS/BLS)</li> </ul>
<b>Estill County</b> <ul style="list-style-type: none"> <li>Estill County EMS (Community, Non-Profit) (ALS/BLS)</li> </ul>	<b>Leslie County</b> <ul style="list-style-type: none"> <li>Lifeguard Emergency Medical Services 1429 (Private, Non-Hospital) (ALS/BLS)</li> </ul>	<b>Perry County</b> <ul style="list-style-type: none"> <li>Perry CO. Ambulance Authority, INC. (Community, Non-Profit) (ALS/BLS)</li> </ul>	<b>Wolfe County</b> <ul style="list-style-type: none"> <li>Cross Medical Response (Private, Non Hospital) (ALS/BLS)</li> </ul>

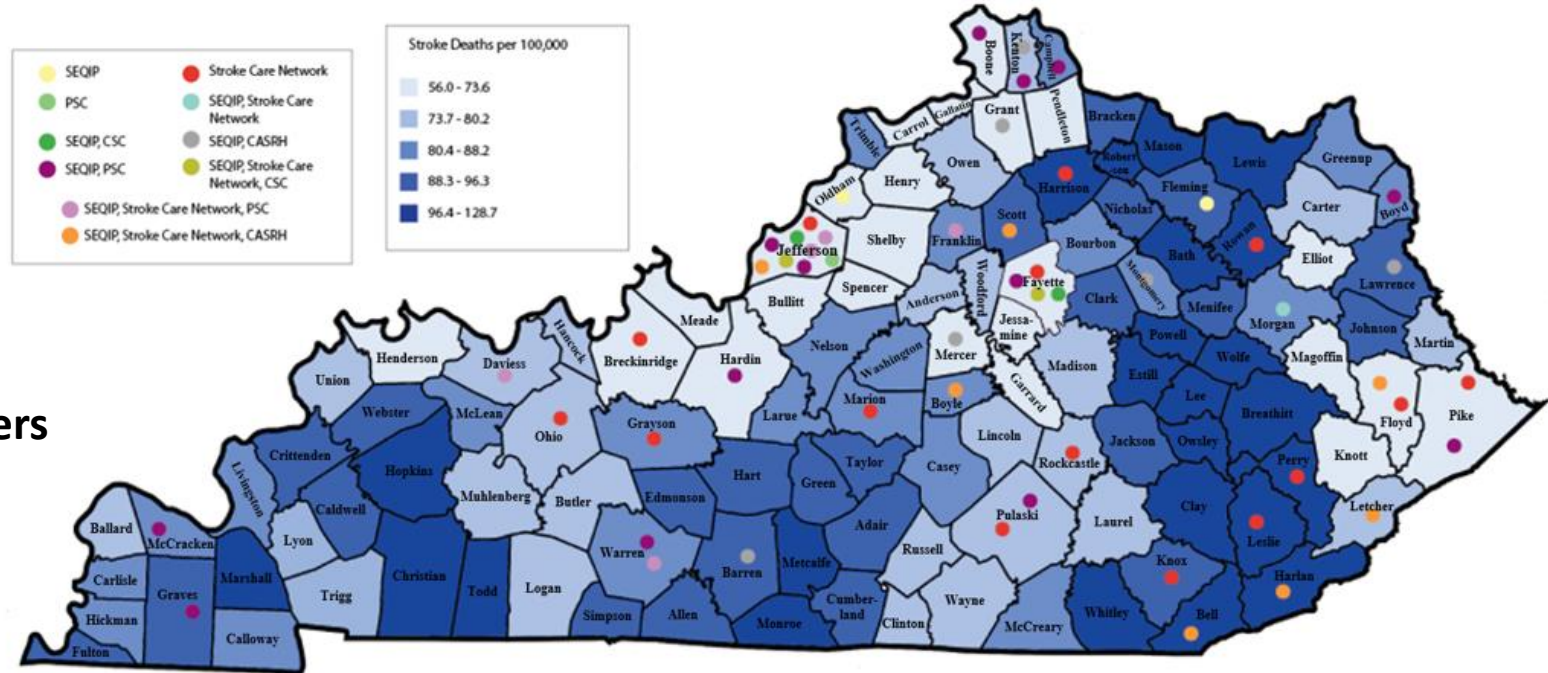


# Kentucky Hospitals By County



<b>Adair County</b> (88.3-93.6) <ul style="list-style-type: none"> <li>Westlake Regional Hospital, Columbia</li> </ul>	<b>Fayette County</b> (56.0-73.6) <ul style="list-style-type: none"> <li>Appalachian Regional Healthcare, Lexington</li> <li>Central Baptist Hospital - Lexington</li> <li>Cardinal Hill Rehabilitation Hospital, Lexington</li> <li>Samaritan Hospital, Lexington</li> <li>Shriner's Hospital, Lexington</li> <li>St. Joseph's Hospital, Lexington</li> <li>University of Kentucky Medical Center, Lexington</li> </ul>	<b>Graves County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>Jackson Purchase Medical Center, Mayfield</li> </ul>	<b>Kenton County</b> (73.7-80.2) <ul style="list-style-type: none"> <li>St. Elizabeth Medical Center North, Covington</li> <li>St. Elizabeth Medical Center South, Edgewood</li> </ul>	<b>Perry County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>ARH Regional Medical Center, Hazard</li> </ul>
<b>Barren County</b> (88.3-93.6) <ul style="list-style-type: none"> <li>T.J. Samson Community Hospital, Glasgow</li> </ul>	<b>Grayson County</b> (88.3-93.6) <ul style="list-style-type: none"> <li>Cardinal Hill Rehabilitation Hospital, Lexington</li> <li>Samaritan Hospital, Lexington</li> <li>Shriner's Hospital, Lexington</li> <li>St. Joseph's Hospital, Lexington</li> <li>University of Kentucky Medical Center, Lexington</li> </ul>	<b>Harlan County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Harlan ARH Hospital, Harlan</li> </ul>	<b>Laurel County</b> (73.7-80.2) <ul style="list-style-type: none"> <li>Marymount Medical Center, London</li> </ul>	<b>Pike County</b> (56.0-73.6) <ul style="list-style-type: none"> <li>Pikeville Methodist Hospital, Pikeville</li> <li>Williamson ARH Hospital, South Williamson</li> </ul>
<b>Bell County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Middlesboro ARH Hospital, Middlesboro</li> </ul>	<b>Hopkins County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>St. Joseph's Hospital, Lexington</li> <li>University of Kentucky Medical Center, Lexington</li> </ul>	<b>Henderson County</b> (56.0-73.6) <ul style="list-style-type: none"> <li>Methodist Hospital, Henderson</li> </ul>	<b>Letcher County</b> (73.7-80.2) <ul style="list-style-type: none"> <li>Whitesburg ARH Hospital, Whitesburg</li> </ul>	<b>Pulaski County</b> (73.7-80.2) <ul style="list-style-type: none"> <li>Lake Cumberland Regional Hospital, Somerset</li> </ul>
<b>Boyd County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>King's Daughter's Medical Center, Ashland</li> </ul>	<b>Fleming County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>Fleming County Hospital, Flemingsburg</li> </ul>	<b>Hopkins County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Trover Regional Medical Center, Madisonville</li> </ul>	<b>Monroe County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>Lourdes Hospital, Paducah</li> <li>Western Baptist Hospital, Paducah</li> </ul>	<b>Rowan County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>St. Claire Medical Center, Morehead</li> <li>Simpson County (88.3-96.3)</li> </ul>
<b>Boyle County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>Ephraim McDowell Regional Medical Center, Danville</li> </ul>	<b>Floyd County</b> (56.0-73.6) <ul style="list-style-type: none"> <li>Highlands Regional Medical Center, Prestonsburg</li> <li>McDowell ARH Hospital, McDowell</li> <li>Our Lady of the Way Hospital, Martin</li> </ul>	<b>Jefferson County</b> (56.0-73.6) <ul style="list-style-type: none"> <li>Norton Healthcare, Louisville</li> <li>Baptist Health East, Louisville</li> <li>Kosair Children's Hospital, Louisville</li> <li>Jewish Hospital HealthCare Services, Louisville</li> <li>Norton's Hospital, Louisville</li> <li>Suburban, Louisville</li> <li>UofL Health Care, Louisville</li> </ul>	<b>Monroe County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Monroe County Medical Center, Tompkinsville</li> </ul>	<b>Simpson County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>The Medical Center, Franklin</li> </ul>
<b>Breathitt County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Kentucky River Medical Center, Jackson</li> </ul>	<b>Franklin County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>Frankfort Regional Medical Center, Frankfort</li> </ul>	<b>Johnson County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>Paul B. Hall Regional Medical Center, Paintsville</li> </ul>	<b>Morgan County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>Morgan County ARH Hospital, West Liberty</li> </ul>	<b>Warren County</b> (80.4-88.2) <ul style="list-style-type: none"> <li>Greenville Hospital, Bowling Green</li> <li>The Medical Center, Bowling Green</li> </ul>
<b>Christian County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Jennie Stuart Medical Center, Hopkinsville</li> </ul>	<b>Grant County</b> (56.0-73.6) <ul style="list-style-type: none"> <li>St. Elizabeth Medical Center Grant County, Williamstown</li> </ul>	<b>Madison County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>St. Elizabeth Medical Center Grant County, Williamstown</li> </ul>	<b>Ohio County</b> (73.7-80.2) <ul style="list-style-type: none"> <li>Ohio County Hospital, Hartford</li> </ul>	<b>Wayne County</b> (73.7-80.2) <ul style="list-style-type: none"> <li>Wayne County Hospital, Monticello</li> </ul>
<b>Clark County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>Clark Regional Medical Center, Winchester</li> </ul>		<b>McCracken County</b> (88.3-96.3) <ul style="list-style-type: none"> <li>Tri-County Hospital, La Grange</li> </ul>	<b>Whitley County</b> (96.4-128.7) <ul style="list-style-type: none"> <li>Baptist Regional Medical Center, Corbin</li> </ul>	





- Certified Stroke Centers
- SEQIP Members
- SCN Members

<b>Barren County:</b> (88.3-96.3) • TJ Sampson Community Hospital, <i>SEQIP, CASRH</i>	<b>Fleming County:</b> (88.3-96.3) • Fleming County Hospital, <i>SEQIP</i>	<b>Jefferson County:</b> (56.0-73.6) • Baptist Health Louisville, <i>PSC, (Newly Certified TCSC)</i> • Norton Healthcare, <i>SEQIP, PSC</i> • Norton Audubon Hospital, <i>SEQIP, PSC</i> • Norton Brownsboro Hospital, <i>SEQIP, CSC</i> • Norton Hospital (Downtown), <i>Stroke Care Network</i> • Norton Women's and Children's Hospital, <i>SEQIP, Stroke Care Network, CASRH</i>	<b>Letcher County:</b> (73.7-80.2) • Appalachian Regional Healthcare Hospital, Whitesburg, <i>SEQIP, Stroke Care Network, CASRH</i> • Tug Valley, <i>Stroke Care Network</i>	<b>Pike County:</b> (56.0-73.6) • Appalachian Regional Healthcare Hospital, Tug Valley, <i>Stroke Care Network</i>
<b>Bell County:</b> (96.4-128.7) • Appalachian Regional Healthcare Hospital, Middlesboro, <i>SEQIP, Stroke Care Network, CASRH</i>	<b>Floyd County:</b> (56.0-73.6) • Appalachian Regional Healthcare Hospital, McDowell, <i>Stroke Care Network</i>	<b>Kenton County:</b> (73.7-80.2) • St. Elizabeth Covington, <i>SEQIP, CASRH</i> • St. Elizabeth Edgewood, <i>SEQIP, PSC</i>	<b>Marion County:</b> (80.4-88.2) • Spring View Hospital, <i>Stroke Care Network</i>	<b>Pulaski County:</b> (73.7-80.2) • Lake Cumberland Regional Hospital, <i>stroke care network • SEQIP, PSC</i>
<b>Boon County:</b> (56.0-73.6) • St. Elizabeth Florence, <i>SEQIP, PSC</i>	<b>Franklin County:</b> (80.4-88.2) • Frankfort Regional Medical Center, <i>SEQIP, Stroke Care Network, PSC</i>	<b>Knox County:</b> (80.4-88.2) • Appalachian Regional Healthcare Hospital, Barbourville, <i>Stroke Care Network</i>	<b>McCracken County:</b> (80.4-88.2) • Baptist Health Paducah, <i>SEQIP, PSC</i> • Mercy Health - Lourdes Hospital, <i>SEQIP, PSC</i>	<b>Rockcastle County:</b> (73.7-80.2) • Rockcastle Regional Hospital, <i>Stroke Care Network</i>
<b>Boyle County:</b> (80.4-88.2) • Ephraim McDowell Regional Medical Center, <i>SEQIP, Stroke Care Network, CASRH</i>	<b>Grant County:</b> (56.0-73.6) • St. Elizabeth Grant, <i>SEQIP, CASRH</i>	<b>Lawrence County:</b> (88.3-96.3) • Three Rivers Medical Center, <i>SEQIP, CASRH</i>	<b>Montgomery County:</b> (80.4-88.2) • St. Josephs Mount Sterling, <i>SEQIP, CASRH</i>	<b>Rowan County:</b> (96.4-128.7) • St. Claire Healthcare, <i>Stroke Care Network</i>
<b>Breckinridge County:</b> (56.0-73.6) • Breckinridge Memorial Hospital, <i>Stroke Care Network</i>	<b>Graves County:</b> (88.3-96.3) • Jackson Purchase Medical Center, <i>SEQIP, PSC</i>	<b>Leslie County:</b> (96.4-128.7) • Appalachian Regional Healthcare Hospital, Mary Breckinridge, <i>Stroke Care Network</i>	<b>Morgan County:</b> (80.4-88.2) • Appalachian Regional Healthcare Hospital, Morgan County, <i>SEQIP, Stroke Care Network</i>	<b>Scott County:</b> (88.3-96.3) • Georgetown Community Hospital, <i>SEQIP, Stroke Care Network, CASRH</i>
<b>Campbell County:</b> (80.4-88.2) • St. Elizabeth Ft. Thomas, <i>SEQIP, PSC</i>	<b>Grayson County:</b> (80.4-88.2) • Twin Lakes Regional Medical Center, <i>Stroke Care Network</i>	<b>Lincoln County:</b> (80.4-88.2) • University of Louisville Hospital, <i>SEQIP, Stroke Care Network, PSC</i>	<b>Ohio County:</b> (73.7-80.2) • Ohio County Hospital, <i>Stroke Care Network</i>	<b>Warren County:</b> (80.4-88.2) • The Medical Center at Bowling Green, <i>SEQIP, PSC</i>
<b>Daviess County:</b> (73.7-80.2) • Owensboro Health Regional Hospital, <i>SEQIP, Stroke Care Network, PSC</i>	<b>Hardin County:</b> (56.0-73.6) • Hardin Memorial Health, <i>SEQIP, PSC</i>	<b>Madison County:</b> (80.4-88.2) • University of Kentucky Hospital, <i>SEQIP, Stroke Care Network, CSC</i> • University of Kentucky, Good Samaritan Hospital, <i>Stroke Care Network</i>	<b>Oldham County:</b> (56.0-73.6) • Baptist Health LaGrange, <i>SEQIP</i>	<b>Whitley County:</b> (80.4-88.2) • TriStar Greenview Regional Hospital, <i>SEQIP, Stroke Care Network, PSC</i>
<b>Fayette County:</b> (56.0-73.6) • Baptist Health Lexington, <i>SEQIP, PSC</i> • Saint Joseph Hospital, <i>PSC</i> • University of Kentucky Hospital, <i>SEQIP, Stroke Care Network, CSC</i> • University of Kentucky, Good Samaritan Hospital, <i>Stroke Care Network</i>	<b>Harlan County:</b> (96.4-128.7) • Appalachian Regional Healthcare Hospital, Harlan, <i>SEQIP, Stroke Care Network, CASRH</i>	<b>Meade County:</b> (80.4-88.2) • Meade County Hospital, <i>SEQIP, PSC</i>	<b>Perry County:</b> (96.4-128.7) • Appalachian Regional Healthcare Hospital, Hazard, <i>Stroke Care Network</i>	



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# Current Initiatives

- Hospital and EMS Agency Gap Analysis across the stroke continuum of care
- Assess CHW/Stroke Patient Post Discharge Navigator program existence/interest
- Hospital and EMS Stroke Data Entry Gap Analysis
- Assess system-wide stroke workforce development programs in place
- GWTG-S Data Use Agreements for SEQIP and Paul Coverdell Registries
- Monthly KSIC Leadership meetings
- Biweekly to monthly performance measure team meetings
- Hiring Coverdell Program Manager

# Overarching Goals

- Increase # of certified stroke centers in the state
- Increase # of hospitals elevating their current stroke center status
- Create hospital and EMS workforce tools for systemwide stroke education
  - Webinars
  - Podcasts
  - Other
- Pilot CHW/navigator post stroke discharge programs in high mortality counties
- Increase data submitted by hospitals and EMS agencies to statewide data platforms
- Identify opportunities to link state EMS, hospital, and GWTG-S data in one platform



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# Evaluation

## DP21-2102 Coverdell Program Logic Model (NOFO, page 5)

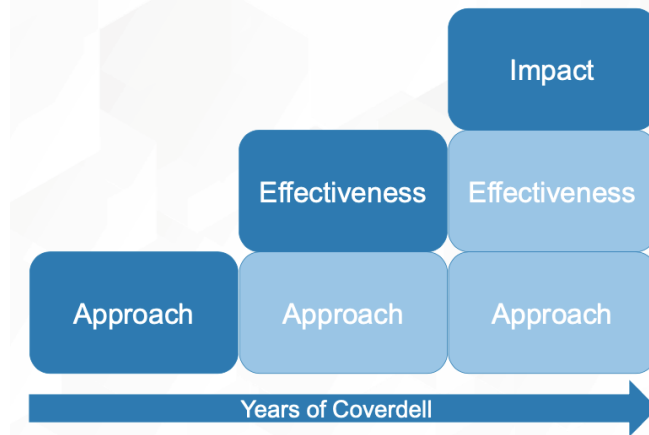
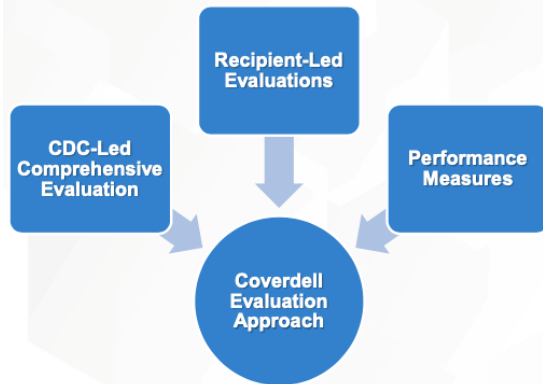
Strategy	Short Term Outcomes	Intermediate Outcomes	Long Term Outcomes
<b><i>Track and Monitor Clinical Measures to Improve Data Infrastructure Across Stroke Systems of Care</i></b>	Increased measurement, tracking, and assessment of data across stroke systems of care for those at highest risk for stroke events and stroke patients	Increased linkage and usage of data across stroke systems of care for those at highest risk for stroke events and stroke patients	<p>Increased access to care and improved quality of care for stroke patients</p> <p>Decreased disparities in access to and quality of care for populations at highest risk for stroke events</p>
<b><i>Implement a Team-Based Approach to Enhance Quality of Care for Those at Highest Risk for Stroke Events and Stroke Patients Across Systems of Care</i></b>	Increased implementation of data-driven Quality Improvement activities across stroke systems of care for those at highest risk for stroke events and stroke patients	Increased coordination of care across stroke systems of care for those at highest risk for stroke events and stroke patients	
<b><i>Link Community Resources and Clinical Services That Support Those at Highest Risk for Stroke Events and Stroke Patients Across Systems of Care</i></b>	Increased establishment of community resources and clinical services for those at highest risk for stroke events and stroke patients across stroke systems of care	Increased provision of community resources and clinical services to those at highest risk for stroke events and stroke patients across stroke systems of care	



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## Evaluation Components



## Evaluation and Performance Measurement Plan (EPMP)

### Recipient-led Evaluation Plan Component

*All Recipients are required to submit an Evaluation and Performance Measurement Plan by **December 31, 2021***

#### Multi-year Evaluation Approach Components:

- ☐ Evaluation approach and context
- ☐ Primary intended users of the evaluation
- ☐ Communication/Dissemination
- ☐ Use of evaluation findings
- ☐ Health Disparities and Health Equity Considerations

#### Year 1 Evaluation Design and Data Collection Matrix Components:

- ☐ Overview of specific activity to be evaluated
- ☐ Potential COVID-19 impact
- ☐ Evaluation Questions
- ☐ Indicators
- ☐ Data Source
- ☐ Data Collection Methods
- ☐ Data Collection Timing
- ☐ Data Analysis
- ☐ Person(s) Responsible
- ☐ Communication/Dissemination Strategy

Identify barriers and facilitators for each performance measure



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## Next Steps

- Schedule 30 min to 1 hour session with all hospitals to perform gap analysis
- Identify and secure targeted hospitals, health departments, CHW programs, and EMS agencies for participation in high mortality areas
- Continue current SEQIP initiatives
- Obtain data use agreements from the 15 Hospitals currently using GWTG-S not submitting data to SEQIP State Registry
- Obtain data use agreements for Coverdell Registry from all Kentucky hospitals using GWTG-S
- Strengthen and create new collaborative partnerships utilizing best practices across the continuum of care

# Questions

