



KENTUCKY BOARD OF EMERGENCY MEDICAL SERVICES

2019 STROKE DATA

CARDIAC & STROKE CARE SUBCOMMITTEE

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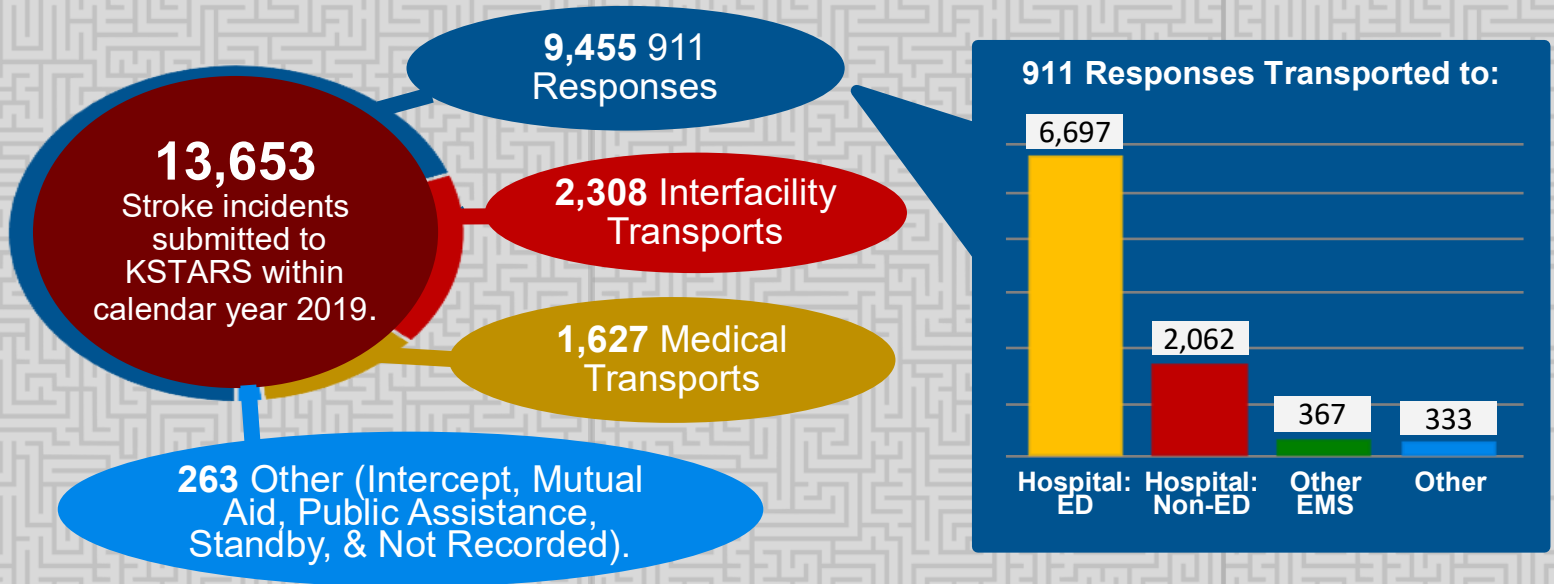
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Section 1

Stroke Incident Overview



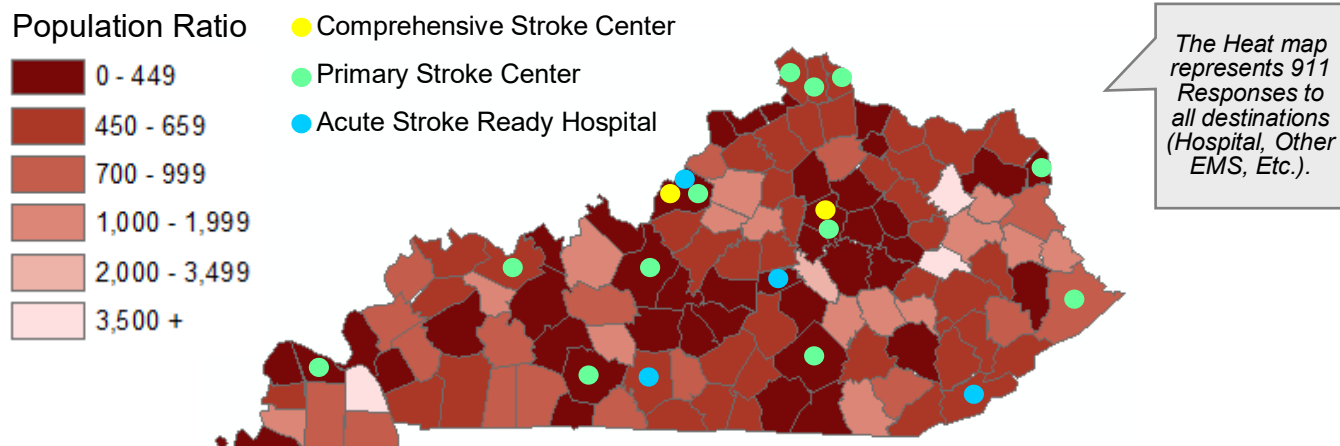
2019 Stroke Incident Overview



Field to Hospital Count of Stroke Incidents by Scene County

County	#	*Top 10 Counties with the Highest Number of Stroke Incidents*					
Adair County	39	Edmonson County	9	Knox County	25	Nicholas County	13
Allen County	23	Elliott County	6	Larue County	31	Ohio County	50
Anderson County	18	Estill County	31	Laurel County	109	Oldham County	79
Ballard County	21	*Fayette County	695	Lawrence County	14	Owen County	17
Barren County	70	Fleming County	19	Lee County	9	Owsley County	4
Bath County	25	*Floyd County	155	Leslie County	15	Pendleton County	26
Bell County	24	Franklin County	75	Letcher County	44	Perry County	44
*Boone County	199	Fulton County	12	Lewis County	19	Pike County	69
Bourbon County	45	Gallatin County	29	Lincoln County	46	Powell County	32
Boyd County	118	Garrard County	8	Livingston County	24	*Pulaski County	169
Boyle County	70	Grant County	42	Logan County	27	Robertson County	0
Bracken County	11	Graves County	45	Lyon County	28	Rockcastle County	14
Breathitt County	20	Grayson County	27	Madison County	145	Rowan County	3
Breckinridge County	15	Green County	25	Magoffin County	23	Russell County	29
Bullitt County	126	Greenup County	64	Marion County	34	Scott County	127
Butler County	51	Hancock County	21	Marshall County	19	Shelby County	44
Caldwell County	14	*Hardin County	262	Martin County	8	Simpson County	65
Calloway County	45	Harlan County	34	Mason County	37	Spencer County	16
Campbell County	137	Harrison County	17	McCracken County	137	Taylor County	64
Carlisle County	9	Hart County	44	McCreary County	61	Todd County	9
Carroll County	22	Henderson County	76	McLean County	8	Trigg County	18
Carter County	80	Henry County	26	Meade County	61	Trimble County	16
Casey County	21	Hickman County	4	Menifee County	8	Union County	14
Christian County	83	Hopkins County	113	Mercer County	31	*Warren County	309
*Clark County	277	Jackson County	6	Metcalfe County	10	Washington County	16
Clay County	37	*Jefferson County	1,978	Monroe County	17	Wayne County	51
Clinton County	12	Jessamine County	141	Montgomery County	69	Webster County	18
Crittenden County	5	Johnson County	11	Morgan County	9	Whitley County	26
Cumberland County	14	*Kenton County	256	Muhlenberg County	37	Wolfe County	1
*Daviess County	154	Knott County	19	Nelson County	65	Woodford County	43

911 (Scene) Responses for Stroke Incidents by Scene County Patient to Population Ratio

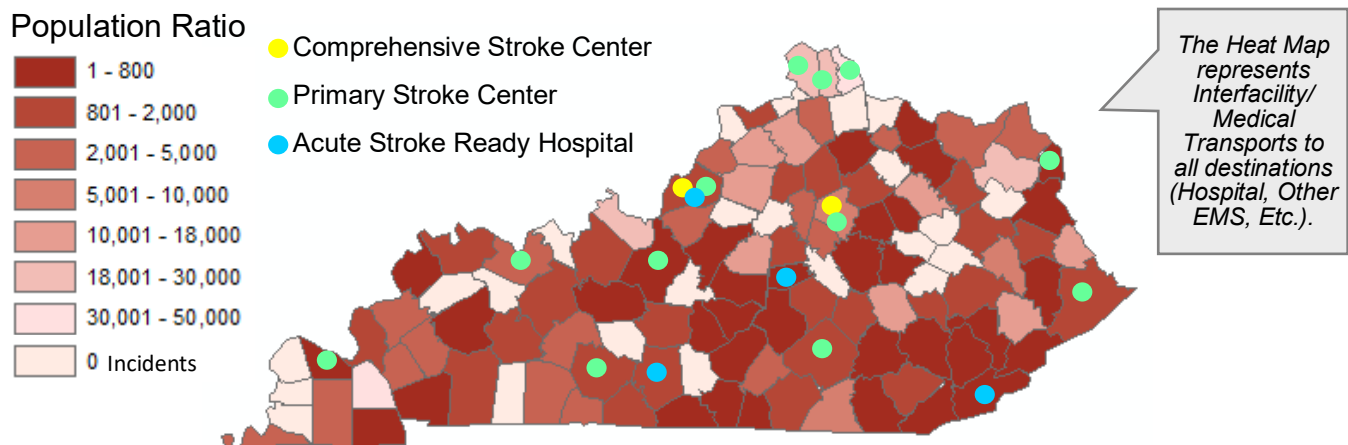


Top 20 Counties with the Largest Patient to County Population Ratio for 911 Responses

1. Clark	6. Butler	11. Meade	16. Wayne
2. McCreary	7. Gallatin	12. Hopkins	17. Taylor
3. McCracken	8. Simpson	13. Carter	18. Green
4. Marion	9. Lyon	14. Trimble	19. Ballard
5. Floyd	10. Fulton	15. Jessamine	20. Pulaski

A full list of the individual County data can be found in *Appendix B*.

Interfacility & Medical Transports for Stroke Incidents by Scene County Patient to Population Ratio



Top 20 Counties with the Largest Patient to County Population Ratio for Interfacility/Medical Transports

1. Marion	6. Boyd	11. McCracken	16. Lawrence
2. Clark	7. Hopkins	12. Estill	17. Adair
3. Taylor	8. Montgomery	13. Letcher	18. Floyd
4. Mason	9. Whitley	14. Perry	19. Laurel
5. Boyle	10. Clay	15. Casey	20. Cumberland

A full list of the individual County data can be found in *Appendix C*.

Section 2

911 Stroke Incident Response Times



Fastest 911 Stroke Incident Response Times

'Unit Notified by Dispatch to Patient Arrived at Destination' in Minutes

Average Response
Time in Minutes

No Data

0 - 34

35 - 42

43 - 48

49 - 52

53 - 55

56 - 59

60 - 64

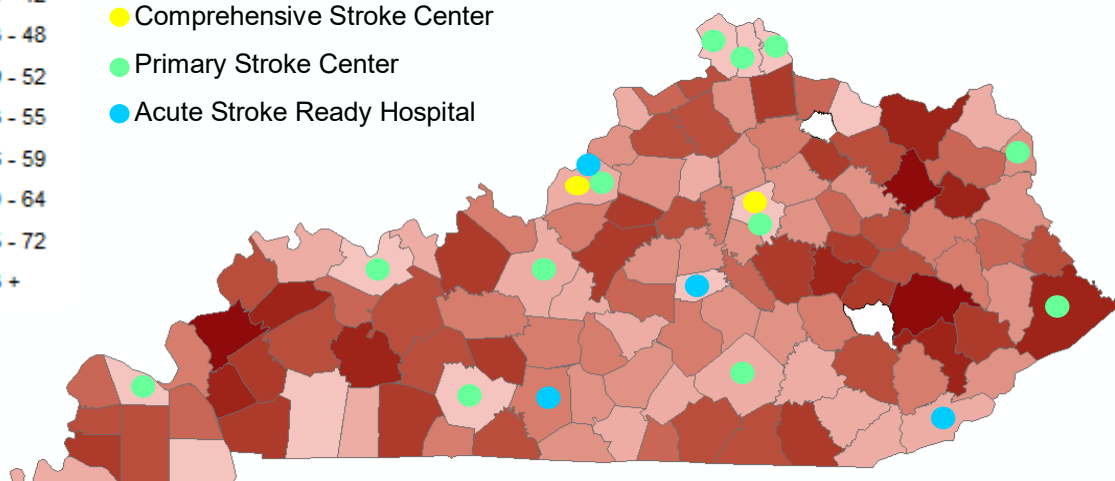
65 - 72

73 +

● Comprehensive Stroke Center

● Primary Stroke Center

● Acute Stroke Ready Hospital



53.04 Minutes - Average KY 911 Stroke Incident Response Time

51.51 Minutes - Median KY 911 Stroke Incident Response Time

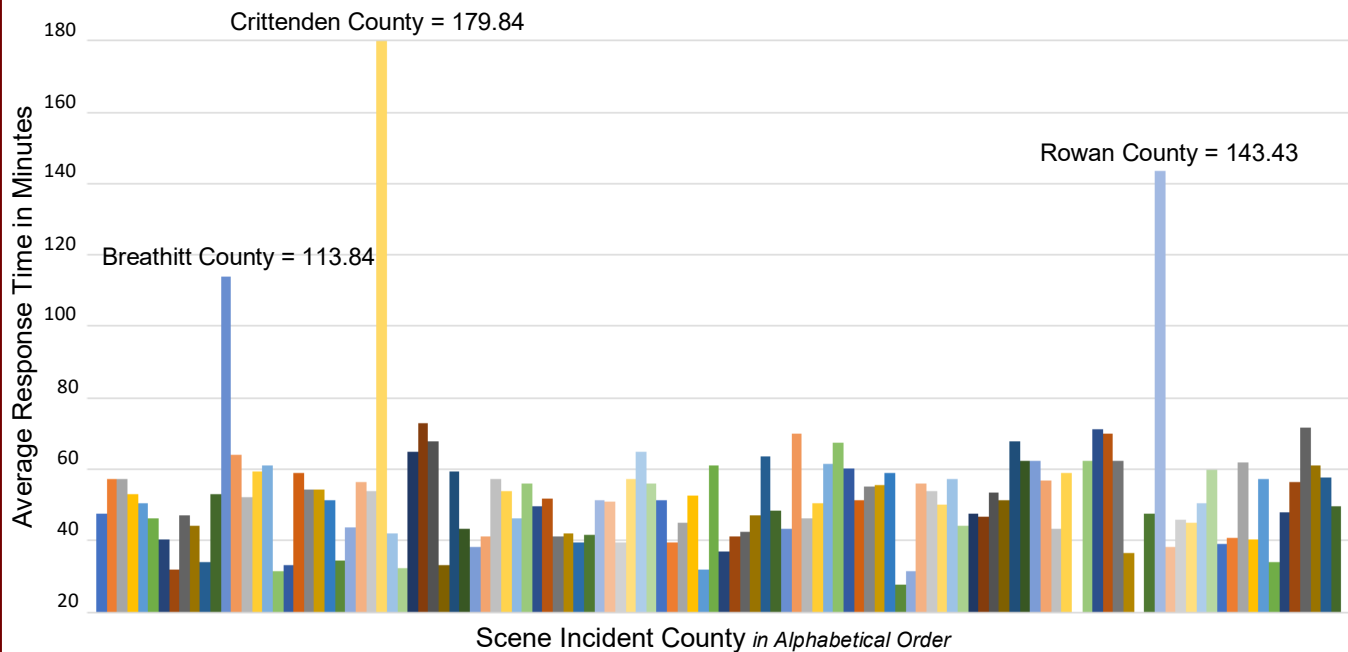
Top 30 Fastest 911 Stroke Incident Response Times by Scene County
Metric: Average Unit Notified by Dispatch to Patient Arrived at Destination *in Minutes*

1. Mason County	27.75	16. Taylor County	39.26
2. Calloway County	31.43	17. Hardin County	39.45
3. McCracken County	31.68	18. Jefferson County	39.50
4. Boone County	31.86	19. Henderson County	39.72
5. Kenton County	32.06	20. Trimble County	40.26
6. Daviess County	32.21	21. Bell County	40.52
7. Fayette County	33.21	22. Todd County	40.69
8. Campbell County	33.33	23. Fulton County	41.06
9. Warren County	34.14	24. Greenup County	41.24
10. Boyle County	34.21	25. Larue County	41.46
11. Christian County	34.66	26. Harlan County	41.86
12. Pulaski County	36.71	27. Hancock County	41.98
13. Knox County	37.01	28. Cumberland County	42.20
14. Franklin County	38.27	29. Laurel County	42.36
15. Russell County	38.35	30. Oldham County	43.28

**The data includes only 911 (Scene) Responses.*

Average 911 (Scene) Response Times

‘Unit Notified by Dispatch to Patient Arrived at Destination’ by Scene County *in Minutes*



Adair	Carroll	Grant	Knox	McLean	Robertson
Allen	Carter	Graves	Larue	Meade	Rockcastle
Anderson	Casey	Grayson	Laurel	Menifee	Rowan
Ballard	Christian	Green	Lawrence	Mercer	Russell
Barren	Clark	Greenup	Lee	Metcalfe	Scott
Bath	Clay	Hancock	Leslie	Monroe	Shelby
Bell	Clinton	Hardin	Letcher	Montgomery	Simpson
Boone	Crittenden	Harlan	Lewis	Morgan	Spencer
Bourbon	Cumberland	Harrison	Lincoln	Muhlenberg	Taylor
Boyd	Daviess	Hart	Livingston	Nelson	Todd
Boyle	Edmonson	Henderson	Logan	Nicholas	Trigg
Bracken	Elliott	Henry	Lyon	Ohio	Trimble
Breathitt	Estill	Hickman	Madison	Oldham	Union
Breckinridge	Fayette	Hopkins	Magoffin	Owen	Warren
Bullitt	Fleming	Jackson	Marion	Owsley	Washington
Butler	Floyd	Jefferson	Marshall	Pendleton	Wayne
Caldwell	Franklin	Jessamine	Martin	Perry	Webster
Calloway	Fulton	Johnson	Mason	Pike	Whitley
Campbell	Gallatin	Kenton	McCracken	Powell	Wolfe
Carlisle	Garrard	Knott	McCreary	Pulaski	Woodford

A full list of individual County response times are located on the following pages; pg. 7, 8, & 9.

Average 911 (Scene) Response Times *in Minutes*

County	Unit Notified by Dispatch to Unit Arrived on Scene	Unit Arrived at Patient to Unit Left Scene	Unit Left Scene to Patient Arrived at Destination	Patient Arrived at Destination to Unit Back in Service	Unit Notified by Dispatch to Patient Arrived at Destination
Adair County	12.45	10.34	23.01	24.17	47.47
Allen County	12.24	13.13	30.28	26.42	57.21
Anderson County	7.12	21.81	27.50	43.71	57.21
Ballard County	10.85	12.35	28.39	21.29	53.30
Barren County	13.63	11.96	22.38	35.14	50.61
Bath County	13.57	10.26	21.08	24.00	46.13
Bell County	8.47	21.36	9.38	23.48	40.52
Boone County	6.34	13.46	10.83	27.41	31.86
Bourbon County	5.59	15.54	25.26	35.52	47.15
Boyd County	11.39	17.08	14.85	18.59	44.23
Boyle County	6.91	14.80	11.75	23.31	34.21
Bracken County	10.64	18.52	23.28	27.43	53.18
Breathitt County	16.47	6.94	81.50	67.61	113.84
Breckinridge County	20.86	13.19	29.00	38.07	64.14
Bullitt County	9.70	16.50	24.74	27.44	52.17
Butler County	11.17	14.93	31.53	26.80	59.44
Caldwell County	9.84	15.69	34.05	45.68	61.16
Calloway County	9.73	10.31	9.85	16.29	31.43
Campbell County	6.44	14.15	11.22	29.09	33.33
Carlisle County	11.15	12.33	33.81	18.22	59.07
Carroll County	8.78	20.99	24.11	39.09	54.17
Carter County	11.85	12.79	28.49	24.92	54.34
Casey County	17.63	10.22	23.38	35.38	51.40
Christian County	8.58	15.11	9.61	34.18	34.66
Clark County	7.14	15.90	19.15	39.48	43.64
Clay County	18.72	16.03	20.79	11.90	56.33
Clinton County	13.93	20.65	18.18	39.36	54.05
Crittenden County	9.84	16.28	152.52	42.44	179.84
Cumberland County	12.89	9.47	18.39	26.22	42.20
Daviess County	7.45	10.96	12.37	26.31	32.21
Edmonson County	15.55	13.85	34.80	30.87	64.92
Elliott County	13.56	14.11	42.89	15.00	72.89
Estill County	9.69	13.85	43.25	49.75	68.05
Fayette County	8.04	12.98	10.60	30.16	33.21
Fleming County	22.18	12.33	21.08	52.39	59.50
Floyd County	14.51	13.87	12.95	30.11	43.53
Franklin County	10.37	13.25	12.62	30.35	38.27
Fulton County	5.50	19.38	17.44	19.05	41.06
Gallatin County	9.81	14.33	31.35	39.43	57.24
Garrard County	10.89	12.31	28.89	43.20	53.90

Average 911 (Scene) Response Times *in Minutes*

County	Unit Notified by Dispatch to Unit Arrived on Scene	Unit Arrived at Patient to Unit Left Scene	Unit Left Scene to Patient Arrived at Destination	Patient Arrived at Destination to Unit Back in service	Unit Notified by Dispatch to Patient Arrived at Destination
Grant County	8.68	14.33	22.54	30.48	46.32
Graves County	13.40	14.15	26.62	34.79	55.87
Grayson County	16.27	11.65	20.25	24.40	49.73
Green County	12.37	17.71	19.71	36.45	51.85
Greenup County	8.99	17.58	13.78	13.91	41.24
Hancock County	9.08	11.83	18.13	25.66	41.98
Hardin County	10.99	12.79	14.48	20.30	39.45
Harlan County	13.06	11.80	14.95	19.94	41.86
Harrison County	14.59	11.35	23.87	33.35	51.28
Hart County	12.81	13.00	24.28	25.95	51.19
Henderson County	8.49	13.46	16.60	16.89	39.72
Henry County	13.60	16.77	25.52	32.91	57.32
Hickman County	7.45	15.10	39.97	54.36	64.82
Hopkins County	9.50	16.62	28.72	22.49	56.00
Jackson County	16.40	19.80	13.60	27.00	51.60
Jefferson County	7.97	17.03	13.03	32.54	39.50
Jessamine County	7.58	18.87	16.45	30.60	44.94
Johnson County	16.11	14.89	18.27	28.91	52.76
Kenton County	6.29	13.67	10.57	24.36	32.06
Knott County	17.84	13.74	27.82	24.95	60.98
Knox County	12.18	13.68	9.03	15.62	37.01
Larue County	10.32	11.34	18.76	25.07	41.46
Laurel County	12.46	18.76	11.36	22.42	42.36
Lawrence County	16.94	13.80	14.78	29.01	47.14
Lee County	23.11	13.19	24.88	26.10	63.55
Leslie County	18.51	12.22	15.33	23.76	48.55
Letcher County	16.30	10.85	14.72	16.87	43.39
Lewis County	21.84	16.84	30.17	4.06	70.17
Lincoln County	10.08	17.03	17.60	21.34	46.18
Livingston County	12.12	12.97	24.20	24.13	50.51
Logan County	12.79	16.22	31.63	41.68	61.76
Lyon County	9.23	21.70	36.22	54.31	67.29
Madison County	8.04	16.68	33.75	40.87	60.19
Magoffin County	13.96	11.76	24.15	12.40	51.51
Marion County	12.18	19.69	21.84	39.00	55.36
Marshall County	12.85	13.60	27.51	27.15	55.43
Martin County	22.00	14.13	21.38	31.80	59.13
Mason County	6.77	12.22	7.55	14.84	27.75
McCracken County	9.18	13.05	7.96	17.04	31.68
McCreary County	9.80	16.12	28.79	26.63	55.85

Average 911 (Scene) Response Times *in Minutes*

County	Unit Notified by Dispatch to Unit Arrived on Scene	Unit Arrived at Patient to Unit Left Scene	Unit Left Scene to Patient Arrived at Destination	Patient Arrived at Destination to Unit Back in Service	Unit Notified by Dispatch to Patient Arrived at Destination
McLean County	11.33	9.60	31.77	44.20	53.85
Meade County	12.12	9.18	27.56	36.70	50.30
Menifee County	17.13	9.69	21.75	26.00	57.25
Mercer County	8.79	16.65	16.81	26.30	44.17
Metcalfe County	12.39	12.46	21.32	19.86	47.71
Monroe County	10.46	17.32	16.87	42.99	46.64
Montgomery County	6.81	11.89	30.08	25.92	53.35
Morgan County	19.11	13.78	17.56	18.44	51.56
Muhlenberg County	9.87	16.62	41.01	44.42	67.85
Nelson County	12.20	14.64	33.93	57.99	62.30
Nicholas County	9.86	17.69	33.20	42.42	62.21
Ohio County	10.79	16.11	29.20	109.63	56.92
Oldham County	8.42	14.56	18.53	35.98	43.28
Owen County	19.52	13.31	22.45	32.36	58.81
Owsley County	-	-	-	-	-
Pendleton County	9.91	18.85	33.45	46.80	62.53
Perry County	17.45	16.91	35.25	21.76	71.45
Pike County	25.28	13.61	27.56	28.20	70.06
Powell County	7.80	14.85	38.72	52.01	62.51
Pulaski County	9.89	14.24	10.79	21.34	36.71
Robertson County	-	-	-	-	-
Rockcastle County	17.85	12.88	15.50	31.96	47.42
Rowan County	44.72	14.78	59.82	79.12	143.43
Russell County	6.82	15.50	14.12	22.19	38.35
Scott County	7.74	16.17	19.20	44.43	45.87
Shelby County	6.16	11.39	26.25	35.98	44.94
Simpson County	5.76	13.92	28.37	45.54	50.64
Spencer County	8.91	19.96	30.65	34.83	60.05
Taylor County	10.31	15.31	11.67	20.59	39.26
Todd County	12.31	15.88	12.50	22.63	40.69
Trigg County	10.18	20.25	30.29	53.42	61.98
Trimble County	10.20	12.30	16.73	28.46	40.26
Union County	9.51	15.87	32.47	10.37	57.54
Warren County	8.36	13.67	10.47	13.02	34.14
Washington County	14.29	14.47	17.42	28.04	48.19
Wayne County	10.32	17.09	27.78	22.96	56.62
Webster County	14.24	16.27	39.98	17.10	71.87
Whitley County	20.00	17.42	22.79	17.63	61.32
Wolfe County	22.20	6.00	28.40	25.60	57.80
Woodford County	8.49	19.52	20.30	26.66	49.62

911 (Scene) Response Outlier Counties

Metric: Unit Notified by Dispatch to Patient Arrived at Destination *in Minutes*

Top 10 Outlier Counties	Destination Location
Crittenden County 179.84 Minutes Average Response Time	Crittenden County Hospital- 1 Transport Baptist Health of Paducah- 10 Transports Lourdes Hospital- 6 Transports
Rowan County 143.43 Minutes Average Response Time	University of Kentucky Medical Center- 19 Transports
Breathitt County 113.84 Minutes Average Response Time	Kentucky River Medical Center- 24 Transports Baptist Health- 8 Transports University of Kentucky Medical Center- 39 Transports
Elliott County 72.89 Minutes Average Response Time	St. Claire Regional Medical Center– 8 Transports King's Daughter Medical Center– 1 Transport
Webster County 71.87 Minutes Average Response Time	Deaconess Hospital– 47 Transports Owensboro Health Regional Hospital– 15 Transports Baptist Health Madisonville– 6 Transports
Perry County 71.45 Minutes Average Response Time	University of Kentucky Hospital– 12 Transports Hazard Appalachian Regional Healthcare– 63 Transports
Lewis County 70.17 Minutes Average Response Time	Fleming County Hospital– 2 Transports Meadowview Regional Medical Center– 2 Transports St. Claire Regional Medical Center– 1 Transport Southern Ohio Medical Center– 8 Transports
Pike County 70.06 Minutes Average Response Time	University of Kentucky Medical Center– 7 Transports Pikeville Medical Center ER– 297 Transports
Estill County 68.05 Minutes Average Response Time	Baptist Health Lexington– 121 Transports University of Kentucky Medical Center– 22 Transports Baptist Health Richmond– 9 Transports Marcum & Wallace Memorial Hospital– 15 Transports
Muhlenberg County 67.85 Minutes Average Response Time	Vanderbilt Medical Center– 4 Transports Deacones Hospital– 11 Transports Owensboro Health Regional Hospital– 73 Transports Baptist Health Madisonville– 3 Transports

Median 911 (Scene) Response Times *in Minutes*

**Statewide Median Response time for
'Unit Notified by Dispatch to Patient Arrived at Destination' = 50 Minutes**

***Top 10 Counties with longest
median response time.***

Scene Incident County Name (eScene.21)	Median Unit Notified to Patient Arrived at Destination	Scene Incident County Name (eScene.21)	Median Unit Notified to Patient Arrived at Destination	Scene Incident County Name (eScene.21)	Median Unit Notified to Patient Arrived at Destination
Adair	41	Garrard	60	McCreary	53
Allen	45	Grant	45.52	McLean	57
Anderson	54	Graves	56.7	Meade	45
Ballard	52.33	Grayson	51	Menifee	65
Barren	39	Green	52	Mercer	36
Bath	46	Greenup	38.28	Metcalfe	46
Bell	33.15	Hancock	41	Monroe	38.95
Boone	29	Hardin	37.62	Montgomery	57.97
Bourbon	44	Harlan	44.18	Morgan	51
Boyd	41	Harrison	52	Muhlenberg	74.85
Boyle	28	Hart	51	Nelson	64
Bracken	49.25	Henderson	37	Nicholas	63
Breathitt	127	Henry	54.13	Ohio	65
Breckinridge	68	Hickman	66.88	Oldham	43
Bullitt	51.05	Hopkins	56.4	Owen	56
Butler	60.38	Jackson	46	Pendleton	62.57
Caldwell	70	Jefferson	37.93	Perry	55
Calloway	33	Jessamine	43.72	Pike	62.5
Campbell	33	Johnson	57	Powell	61
Carlisle	61	Kenton	31	Pulaski	34
Carroll	53	Knott	58.27	Rockcastle	46
Carter	51	Knox	36	Rowan	143.43
Casey	50	Larue	39	Russell	37.58
Christian	32.3	Laurel	42	Scott	43.48
Clark	42.53	Lawrence	46	Shelby	44
Clay	48	Lee	62	Simpson	50
Clinton	65	Leslie	40	Spencer	58
Crawford	40	Letcher	36.03	Switzerland	54
Crittenden	82	Lewis	55	Taylor	35
Cumberland	44.98	Lincoln	44	Todd	38
Daviess	28.95	Livingston	52	Trigg	45
Edmonson	65.92	Logan	63	Trimble	39
Elliott	72	Lyon	66.15	Union	55
Estill	65.9	Madison	58.75	Warren	31.78
Fayette	31.7	Magoffin	49.15	Washington	47
Fleming	59	Marion	55	Wayne	57.32
Floyd	38.08	Marshall	57	Webster	74
Franklin	30.9	Martin	50	Whitley	56
Fulton	32	Mason	25	Wolfe	63
Gallatin	57	McCracken	30.85	Woodford	48

Section 3

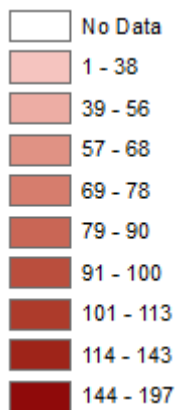
Emergent Stroke Interfacility Response Times



Fastest Emergent Interfacility Response Times

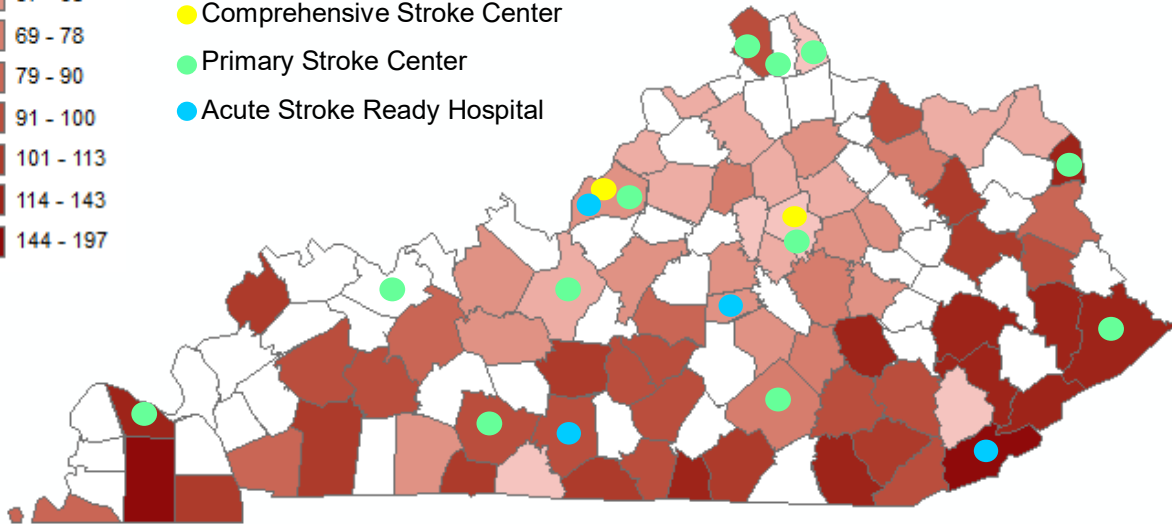
‘Unit Notified by Dispatch to Patient Arrived at Destination’ in Minutes

Average Response
Time in Minutes



86.76 Minutes - Average KY Interfacility Transport Stroke Response Time
89.84 Minutes - Median KY Interfacility Transport Stroke Response Time

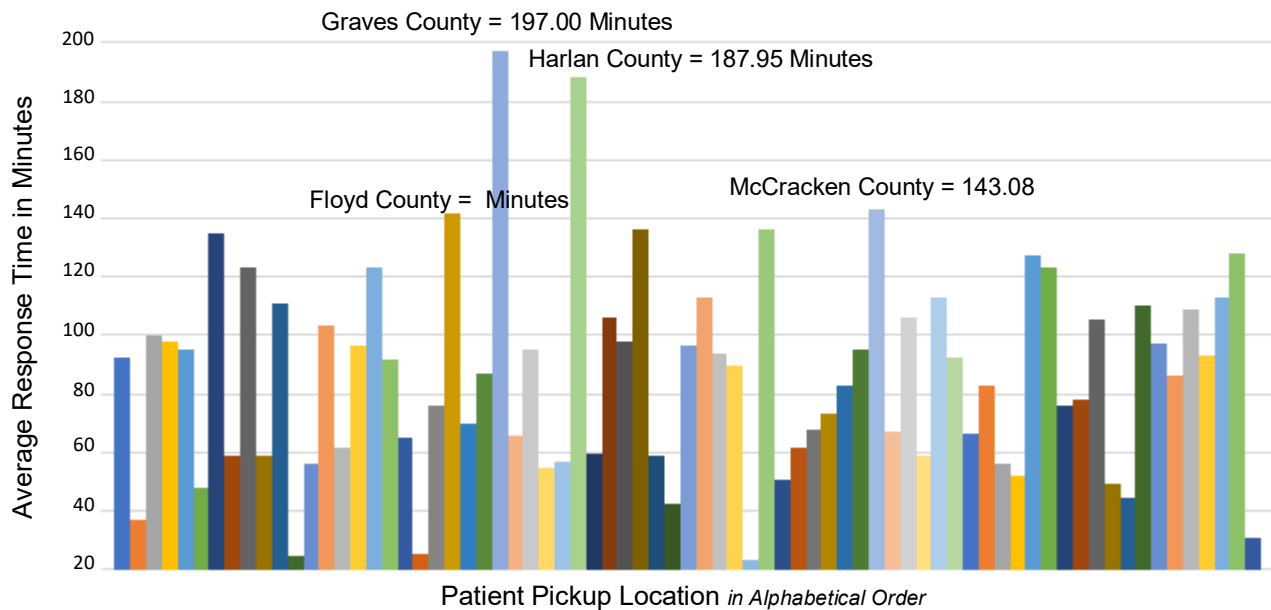
- Comprehensive Stroke Center
- Primary Stroke Center
- Acute Stroke Ready Hospital



Top 30 Fastest Emergent Interfacility Transport Response Times by Scene County
Metric: Unit Notified by Dispatch to Patient Arrived at Destination *in Minutes*

1. Leslie County	23.44	16. Montgomery County	58.73
2. Campbell County	24.97	17. Jefferson County	58.73
3. Fayette County	25.36	18. Boyle County	58.78
4. Woodford County	31.00	19. Breckinridge County	59.00
5. Allen County	37.25	20. Harrison County	59.76
6. Jessamine County	42.39	21. Clark County	61.36
7. Shelby County	44.55	22. Lincoln County	61.67
8. Bourbon County	48.22	23. Estill County	65.31
9. Scott County	49.05	24. Grayson County	65.93
10. Lewis County	51.00	25. Nelson County	66.45
11. Owen County	52.00	26. Mercer County	67.12
12. Greenup County	55.00	27. Logan County	67.50
13. Oldham County	56.00	28. Franklin County	70.13
14. Carroll County	56.11	29. Madison County	73.28
15. Hardin County	56.65	30. Fleming County	76.18

Average Emergent Interfacility Transport Response Times 'Unit Notified by Dispatch to Patient Arrived at Destination' by Pickup County *in Minutes*



Adair	Christian	Green	Lawrence	Morgan	Simpson
Allen	Clark	Greenup	Leslie	Muhlenberg	Taylor
Barren	Clay	Hardin	Letcher	Nelson	Trigg
Bell	Clinton	Harlan	Lewis	Ohio	Union
Boone	Cumberland	Harrison	Lincoln	Oldham	Warren
Bourbon	Estill	Hart	Logan	Owen	Wayne
Boyd	Fayette	Hopkins	Madison	Perry	Whitley
Boyle	Fleming	Jackson	Marion	Pike	Woodford
Breathitt	Floyd	Jefferson	Mason	Pulaski	
Breckinridge	Franklin	Jessamine	McCracken	Rockcastle	
Calloway	Fulton	Johnson	Mercer	Rowan	
Campbell	Graves	Knox	Monroe	Scott	
Carroll	Grayson	Laurel	Montgomery	Shelby	

*Counties with no interfacility transports have been removed from the above graph.

A full list of individual County response times are located on the following pages; pg. 13, 14, & 15.

Average Emergent Interfacility Transports *in Minutes*

County	Unit Notified by Dispatch to Unit Arrived on Scene	Unit Arrived at Patient to Unit Left Scene	Unit Left Scene to Patient Arrived at Destination	Patient Arrived at Destination to Unit Back in Service	Unit Notified by Dispatch to Patient Arrived at Destination
Adair County	8.24	6.90	71.10	6.34	92.76
Allen County	4.88	3.88	23.75	19.25	37.25
Anderson County	-	-	-	-	-
Ballard County	-	-	-	-	-
Barren County	17.54	25.28	37.68	36.27	99.89
Bath County	-	-	-	-	-
Bell County	1.00	16.00	62.50	12.00	98.00
Boone County	48.00	14.00	27.00	58.00	95.00
Bourbon County	4.42	13.99	24.63	41.06	48.22
Boyd County	36.83	28.88	60.23	51.84	134.83
Boyle County	4.55	11.56	37.24	38.62	58.78
Bracken County	-	-	-	-	-
Breathitt County	40.87	28.31	48.74	45.62	123.23
Breckinridge County	22.00	6.00	28.00	18.00	59.00
Bullitt County	-	-	-	-	-
Butler County	-	-	-	-	-
Caldwell County	-	-	-	-	-
Calloway County	1.02	23.37	79.58	36.31	110.76
Campbell County	4.03	8.55	8.07	34.07	24.97
Carlisle County	-	-	-	-	-
Carroll County	9.98	16.29	23.78	27.92	56.11
Carter County	-	-	-	-	-
Casey County	27.50	34.92	29.75	35.25	98.33
Christian County	9.05	20.75	66.91	86.33	103.19
Clark County	17.59	17.32	10.95	39.33	61.36
Clay County	8.36	13.24	67.64	48.68	96.33
Clinton County	7.00	-	95.00	156.00	123.00
Crittenden County	-	-	-	-	-
Cumberland County	31.00	9.00	49.00	42.00	92.00
Daviess County	-	-	-	-	-
Edmonson County	-	-	-	-	-
Elliott County	-	-	-	-	-
Estill County	4.57	14.62	42.24	45.00	65.31
Fayette County	2.76	15.99	3.42	13.38	25.36
Fleming County	24.94	17.33	30.29	27.63	76.18
Floyd County	33.82	20.00	69.90	58.79	141.92
Franklin County	25.68	15.57	24.62	54.81	70.13
Fulton County	33.00	19.00	33.00	49.00	87.00
Gallatin County	-	-	-	-	-
Garrard County	-	-	-	-	-

Average Emergent Interfacility Transports *in Minutes*

County	Unit Notified by Dispatch to Unit Arrived on Scene	Unit Arrived at Patient to Unit Left Scene	Unit Left Scene to Patient Arrived at Destination	Patient Arrived at Destination to Unit Back in Service	Unit Notified by Dispatch to Patient Arrived at Destination
Grant County	-	-	-	-	-
Graves County	104.00	20.00	50.00	30.00	197.00
Grayson County	23.25	8.47	32.10	41.03	65.93
Green County	25.80	28.33	35.67	56.36	94.95
Greenup County	8.00	24.00	22.00	27.00	55.00
Hancock County	-	-	-	-	-
Hardin County	14.07	12.24	25.03	40.62	56.65
Harlan County	19.84	22.05	128.89	106.18	187.95
Harrison County	21.51	17.41	17.07	28.07	59.76
Hart County	31.00	30.00	40.00	39.00	106.00
Henderson County	-	-	-	-	-
Henry County	-	-	-	-	-
Hickman County	-	-	-	-	-
Hopkins County	29.03	14.04	44.69	22.10	98.19
Jackson County	35.00	18.00	82.00	152.00	136.00
Jefferson County	16.93	17.72	18.32	61.51	58.73
Jessamine County	15.25	8.11	15.75	29.21	42.39
Johnson County	21.84	30.73	32.78	37.39	96.36
Kenton County	-	-	-	-	-
Knott County	-	-	-	-	-
Knox County	13.78	6.68	83.61	58.61	112.68
Larue County	-	-	-	-	-
Laurel County	13.31	17.72	52.14	50.82	94.15
Lawrence County	19.63	15.85	41.48	24.58	89.84
Lee County	-	-	-	-	-
Leslie County	0.57	11.48	10.58	11.21	23.44
Letcher County	12.64	13.18	82.90	24.14	136.60
Lewis County	24.00	9.00	18.00	0.00	51.00
Lincoln County	10.43	7.35	37.88	40.06	61.67
Livingston County	-	-	-	-	-
Logan County	7.50	4.00	44.00	78.00	67.50
Lyon County	-	-	-	-	-
Madison County	15.31	14.22	31.18	32.35	73.28
Magoffin County	-	-	-	-	-
Marion County	28.36	23.70	26.32	28.34	83.17
Marshall County	-	-	-	-	-
Martin County	-	-	-	-	-
Mason County	0.47	13.41	64.08	107.39	95.22
McCracken County	36.78	25.13	76.55	65.03	143.08
McCreary County	-	-	-	-	-

Average Emergent Interfacility Transports *in Minutes*

County	Unit Notified by Dispatch to Unit Arrived on Scene	Unit Arrived at Patient to Unit Left Scene	Unit Left Scene to Patient Arrived at Destination	Patient Arrived at Destination to Unit Back in Service	Unit Notified by Dispatch to Patient Arrived at Destination
McLean County	-	-	-	-	-
Meade County	-	-	-	-	-
Menifee County	-	-	-	-	-
Mercer County	5.08	18.32	35.58	41.70	67.12
Metcalfe County	-	-	-	-	-
Monroe County	80.87	6.26	94.12	142.41	106.25
Montgomery County	4.57	11.26	38.80	21.95	58.73
Morgan County	14.23	9.32	77.61	61.39	113.10
Muhlenberg County	14.59	20.01	50.96	15.06	92.43
Nelson County	27.26	16.59	18.70	28.58	66.45
Nicholas County	-	-	-	-	-
Ohio County	45.00	4.00	33.00	32.00	83.00
Oldham County	7.00	24.00	23.00	43.00	56.00
Owen County	20.00	9.00	22.00	27.00	52.00
Owsley County	0.05	25.45	-	-	-
Pendleton County	-	-	-	-	-
Perry County	22.47	29.69	68.12	39.01	127.67
Pike County	36.46	21.51	57.34	49.35	122.91
Powell County	-	-	-	-	-
Pulaski County	16.68	23.47	31.14	39.82	76.22
Robertson County	-	-	-	-	-
Rockcastle County	27.65	18.02	27.10	58.96	77.73
Rowan County	30.72	11.36	58.17	17.00	105.63
Russell County	-	-	-	-	-
Scott County	21.02	10.07	15.10	29.88	49.05
Shelby County	7.82	6.82	28.73	20.97	44.55
Simpson County	58.00	20.00	30.00	5.00	110.00
Spencer County	-	-	-	-	-
Taylor County	13.49	20.64	57.17	68.72	97.32
Todd County	-	-	-	-	-
Trigg County	24.00	21.00	35.00	47.00	86.00
Trimble County	-	-	-	-	-
Union County	32.00	10.00	57.00	-	109.00
Warren County	20.23	23.44	41.97	45.05	93.41
Washington County	-	-	-	-	-
Wayne County	5.89	11.21	89.65	23.41	112.81
Webster County	-	-	-	-	-
Whitley County	25.21	16.71	72.41	37.26	127.81
Wolfe County	-	-	-	-	-
Woodford County	6.00	5.00	17.00	20.00	31.00

Emergent Interfacility Transport Outlier Counties

Metric: Average Unit Notified by Dispatch to Patient Arrives at Destination *in Minutes*

Top 10 Outlier Counties	Destination Location
Graves County 197 Minute Average Response Time	Vanderbilt University Medical Center– 15 Transports Baptist Health Paducah– 3 Transports
Harlan County 187.95 Minute Average Response Time	University of Kentucky Medical Center– 24 Transports
McCracken County 143.08 Minute Average Response Time	Vanderbilt University Medical Center– 49 Transports
Floyd County 141.92 Minute Average Response Time	University of Kentucky Medical Center– 69 Transports
Letcher County 136.6 Minute Average Response Time	Hazard ARH Regional medical Center– 1 Transport Pikeville Medical Center– 6 Transports University of Kentucky Medical Center– 11 Transports Paul B Hall Regional Medical Center– 1 Transport
Jackson County 136 Minute Average Response Time	Ohio Not Listed– 10 Transports
Boyd County 134.83 Minute Average Response Time	St. Mary's Medical Center– 2 Transports University of Kentucky Medical Center– 59 Transports King's Daughter Medical Center– 1 Transport Cabell Huntington Hospital– 2 Transports
Whitley County 127.81 Minute Average Response Time	Baptist Health Lexington– 81 Transports University of Kentucky Medical Center– 49 Transports Lexington VA Medical Center– 17 Transports
Perry County 127.67 Minute Average Response Time	University of Kentucky Medical Center– 44 Transports Baptist Health Lexington– 6 Transports
Breathitt County 123.23 Minute Average Response Time	University of Kentucky Medical Center– 19 Transports

Emergent Interfacility Transport Outlier Counties

Metric: Average Unit Arrived at Patient to Unit Left Scene *in Minutes*

Top 10 Outlier Counties	Scene Location
Casey County 34.92 Minutes Average Response Time	Casey County Hospital– 36 Transports
Johnson County 30.73 Minutes Average Response Time	Paul B. Hall Regional Medical Center– 89 Transports
Hart County 30 Minutes Average Response Time	The Medical Center at Caverna– 35 Transports
Perry County 29.69 Minutes Average Response Time	Hazard Appalachian Regional Healthcare– 50 Transports
Boyd County 28.88 Minutes Average Response Time	King's Daughter Medical Center– 56 Transports Our Lady of Bellefonte Hospital– 51 Transports
Green County 28.33 Minutes Average Response Time	Jane Todd Crawford Memorial Hospital– 44 Transports
Breathitt County 28.31 Minutes Average Response Time	Kentucky River Medical Center– 19 Transports
Owsley County 25.45 Minutes Average Response Time	Owsley County Health Care Center– 2 Transports
Barren County 25.28 Minutes Average Response Time	TJ Samson Community Hospital– 327 Transports
McCracken County 25.13 Minutes Average Response Time	Baptist Health Paducah– 9 Lourdes Hospital– 40 Transports

Median Emergent Interfacility Transport Response Times *in Minutes*

Statewide median Response time for 'Unit Arrived at Patient to Unit Left scene' = 15 Minutes

Scene Incident County Name (eScene.21)	Median Unit Arrived at Patient to Unit Left Scene	Scene Incident County Name (eScene.21)	Median Unit Arrived at Patient to Unit Left Scene
Adair	7	Laurel	16
Allen	4	Lawrence	15
Barren	23	Leslie	6.95
Bell	11	Letcher	16.12
Boone	14	Lewis	9
Bourbon	17	Lincoln	5.87
Boyd	21	Livingston	23
Boyle	11	Logan	4
Breathitt	44	Madison	11.52
Breckinridge	6	Marion	22
Calloway	14	Mason	14
Carroll	20	McCracken	20
Casey	15	Mercer	10
Christian	13	Mingo	20
Clark	14	Monroe	3.45
Clay	13	Montgomery	9
Clinton	12	Morgan	16
Cumberland	9	Muhlenberg	15
Dubois	20	Nelson	15
Estill	12	Oakland	16
Fayette	15.48	Ohio	4
Fleming	19	Oldham	18
Floyd	22	Owsley	17.53
Franklin	14	Perry	32.5
Fulton	19	Pike	21
Graves	20	Pulaski	21
Grayson	10.25	Rockcastle	19
Green	19.98	Rowan	6.82
Greenup	17	Scott	11
Hardin	11.27	Shelby	6.82
Harlan	18.7	Simpson	20
Harrison	15	Taylor	10
Hart	8	Trigg	10
Henderson	16	Union	10
Hopkins	9.03	Warren	16
Jackson	18	Washington	23
Jefferson	18	Wayne	16
Jessamine	10.05	Whitley	12
Johnson	27	Woodford	9
Knox	7.37		

Top 10 Counties with longest median response time.

Section 4

Stroke Team Pre-Arrival Activation for Emergent Interfacility Transports



*Counties with no interfacility transports have been removed from the above data.

Stroke Team Pre-Arrival Activation - Emergent Interfacility Transports

Metric: Average Unit Arrived at Patient to Unit Left Scene *in Minutes*

Stroke Team Pre-Arrival Activation	Statewide Average Unit Notified by Dispatch to Unit Left Scene in Minutes
No	16.29 Minutes
Yes	21.78 Minutes

Scene Incident County Name (eScene.21)	Destination Stroke Team Pre-arrival Activation (eDisposition.24)	Average Unit Arrived at Patient to Unit Left Scene
Adair	No	8.89
	Yes	16
Allen	No	5.53
Barren	No	27.95
	Yes	21.9
Bell	No	14.64
Boone	No	14
Bourbon	No	13.53
Boyd	No	29.59
Boyle	No	12.66
	Yes	8
Breathitt	No	33.47
Breckinridge	No	6
Calloway	No	18.26
Carroll	No	18.29
Casey	No	18.13
Christian	No	14.72
	Yes	23.77
Clark	No	14.70
	Yes	17.41
Clay	No	14.81
	Yes	20
Cumberland	No	9
Estill	No	18.4
Fleming	No	16
	Yes	18.30
Floyd	No	21.50
	Yes	27
Franklin	No	14.9
Fulton	No	19
Graves	No	18.16
Grayson	No	11.80
	Yes	13.94
Green	No	21.00
Greenup	No	16.3

*Counties with no interfacility transports have been removed from the above data.

Stroke Team Pre-Arrival Activation - Emergent Interfacility Transports

Metric: Average Unit Arrived at Patient to Unit Left Scene *in Minutes*

Scene Incident County Name (eScene.21)	Destination Stroke Team Pre-arrival Activation (eDisposition.24)	Average Unit Arrived at Patient to Unit Left Scene
Hardin	No	12.33
	yes	13.22
Harlan	No	20.83
Harrison	No	16.92
Hart	No	8.08
	Yes	30
Henderson	No	12.88
Hopkins	No	8.39
	Yes	22
Jackson	No	18
Jefferson	No	18.19
	Yes	16.45
Jessamine	No	10.96
	Yes	6.35
Johnson	No	30.60
Knox	No	6.86
	Yes	18
Laurel	No	18.60
	Yes	25.36
Lawrence	No	16.18
Leslie	No	11.47
Letcher	No	24.30
	Yes	15
Lincoln	No	8.12
Livingston	No	23
Logan	No	7.42
Madison	No	11.34
Marion	No	27.40
	Yes	24
Mason	No	13.17

*Counties with no interfacility transports have been removed from the above data.

Stroke Team Pre-Arrival Activation - Emergent Interfacility Transports

Metric: Average Unit Arrived at Patient to Unit Left Scene *in Minutes*

Scene Incident County Name (eScene.21)	Destination Stroke Team Pre-arrival Activation (eDisposition.24)	Average Unit Arrived at Patient to Unit Left Scene
McCracken	No	10.26
	Yes	31.69
Mercer	No	13.49
Montgomery	No	8.81
	Yes	31.37
Morgan	No	16
Muhlenberg	No	16.60
Nelson	No	14.5
	Yes	15.68
Ohio	No	10.35
	Yes	4
Oldham	No	21.61
	Yes	15
Perry	No	29.7
Pike	No	22.10
	Yes	15
Pulaski	No	30.58
	Yes	20.80
Rockcastle	No	18.48
	Yes	19.3
Rowan	No	7.58
Scott	No	11.07
	Yes	0
Shelby	No	6.82
Simpson	Yes	20
Taylor	No	10.59
	Yes	10
Trigg	No	11.28
	Yes	21
Union	No	10
Warren	No	23.9
	Yes	21.77
Washington	Yes	23
Wayne	No	13.97
Whitley	No	18.02
	Yes	63
Woodford	No	9
	Yes	5

*Counties with no interfacility transports have been removed from the above data.

Section 5

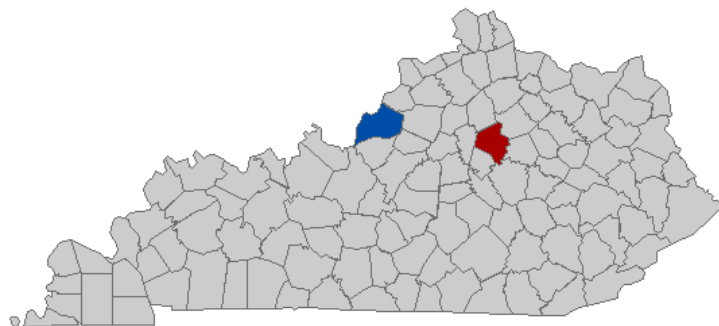
Hospital to Hospital Interfacility Transports



Hospital to Hospital Interfacility Transports

Stroke Incidents Transported to a Comprehensive Stroke Center (CSC)

There are a total of four (4) Comprehensive Stroke Centers in Kentucky.



Comprehensive Stroke Centers

University of KY Hospital

- AdventHealth Manchester - 2
- Baptist Health Corbin - 2
- Barbourville ARH - 3
- Bluegrass Community Health - 1
- Clark Regional Medical Center - 28
- Ephraim McDowell James B Haggin Hospital - 1
- Ephraim McDowell Regional Medical Center - 25
- Flaget Memorial Hospital - 2
- Fleming County Hospital - 7
- Fort Logan Hospital - 5
- Frankfort Regional Medical Center - 4
- Georgetown Community Hospital - 9
- Hardin Memorial Hospital - 2
- Harrison Memorial Hospital - 8
- Hazard Appalachian Regional Healthcare - 10
- Highlands Regional Medical Center - 5
- Jane Todd Crawford Memorial Hospital - 1
- Kentucky River Medical Center - 2
- Kings Daughters Medical Center - 5
- Lake Cumberland Regional Hospital - 26
- Manchester Memorial Hospital - 1
- Marcum & Wallace Memorial Hospital ER - 3
- Medical Center at Albany - 1
- Morgan County Appalachian Regional Hospital - 2
- Our Lady of Bellefonte Hospital - 2
- Paul B. Hall Regional Medical Center - 2
- Pikeville Medical Center - 14
- Rockcastle Regional Hospital - 5
- Saint Claire Medical Center ED - 1
- Saint Joseph Mount Sterling - 3
- Saint Joseph Jessamine - 1
- Saint Joseph London - 11
- Saint Joseph Mount Sterling ED - 5
- Southeastern Kentucky Medical Center - 1
- Springview Hospital - 1
- St. Claire Regional Medical Center - 2
- St. Joseph London - 1
- TJ Health/Columbia- ER - 2
- Three Rivers Medical Center - 2
- Tug Valley ARH Regional Medical Center - 2
- UK Healthcare Good Samaritan Hospital - 3
- University of KY Hospital - Chandler Medical Center - 1
- Westlake Regional Hospital - 1

Baptist Health Lexington

- Baptist Health Corbin - 6
- Bourbon Community Hospital - 1
- Casey County Hospital - 2
- Clark Regional Medical Center - 7
- Cumberland County Hospital - 1
- Ephraim McDowell Regional Medical Center - 9
- Fleming County Hospital - 1
- Lake Cumberland Regional Hospital - 2
- Manchester Memorial Hospital - 1
- Marcum & Wallace Memorial Hospital ER - 2
- Rockcastle Regional Hospital - 3
- St. Joseph London - 1

University of Louisville Hospital

- Caverna Memorial Hospital - 1
- Flaget memorial Hospital - 16
- Hardin Memorial Hospital - 10
- Jane Todd Crawford Hospital - 2
- Jewish Hospital - 1
- Kings Daughters Hospital - 2
- Medical Center Jewish South - 1
- Memorial Hospital and Health Care Center (Jasper Memorial Hospital) - 3
- OH Muhlenberg Community Hospital ER - 1
- Saint Vincent Salem Hospital (Washington County memorial Hospital) - 1
- Springview Hospital - 4
- TJ Health/Columbia- ER - 1
- Taylor Regional Hospital - 14
- The Medical Center at Caverna - 1
- TJ Samson Community Hospital - 14
- Twin Lakes Regional- ER - 1
- Twin Lakes Regional medical Center - 8
- UofL Health - Shelbyville Hospital - 1
- Westlake Regional Hospital - 1

Norton Brownsboro Hospital

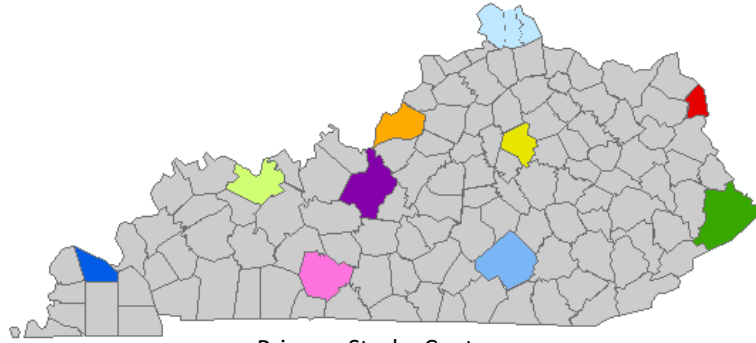
- Norton Audubon Hospital - 1
- Robley Rex VA Medical Center - 1
- Springview Hospital - 2
- Twin Lakes Regional - ER - 2

Only incidents submitted to KSTARS with a correct Facility ID code, and NEMSIS Elements eDisposition.21 (Type of Destination) & eScene.09 (Scene Incident Location Type) containing 'Hospital' are included in the above data.

Hospital to Hospital Interfacility Transports

Stroke Incidents Transported to a Primary Stroke Center (PSC)

There are a total of twenty (20) Primary Stroke Centers in Kentucky.



Primary Stroke Centers

Baptist Health Louisville

- Baptist Health La Grange - 4
- Flaget Memorial Hospital - 1
- Hardin Memorial Hospital - 23

Baptist Health Paducah

- Lourdes - 1
- Murray-Calloway County Hospital - 10

Hardin Memorial

- Flaget Memorial Hospital - 1

Jewish Hospital & St. Mary's

- Kings Daughters Medical Center - 1
- Medical Center Jewish South - 1
- Taylor Regional Hospital - 4

Kings Daughters Medical Center

- Three Rivers Medical Center - 4

Lake Cumberland Regional Hospital

- AdventHealth Manchester - 3
- Casey County Hospital - 3
- TJ Health/Columbia ER - 3
- Wayne County Hospital ER - 2

Norton Audubon Hospital

- Springview Hospital - 1

Owensboro Health Regional Hospital

- JSMC ER - 1
- OH Muhlenberg Community Hospital ER - 4

Pikeville Medical Center

- AdventHealth Manchester - 2
- Hazard Appalachian Regional Healthcare - 1
- Three Rivers Medical Center - 1
- Whitesburg ARH ED - 9

Saint Joseph Hospital

- AdventHealth Manchester - 2
- Casey County Hospital - 1
- Ephraim McDowell Regional Medical Center - 1
- Flaget Memorial Hospital - 1
- Fleming County Hospital ER - 1
- Saint Joseph Mount Sterling - 1
- Saint Joseph Jessamine - 3
- Saint Joseph London - 7
- Saint Joseph Mount Sterling ED - 4
- St. Joseph London - 8

St. Elizabeth Edgewood

- Meadowview Regional Medical Center - 1

St. Elizabeth Florence

- Meadowview Regional Medical Center - 1

St. Elizabeth Ft. Thomas

- Meadowview Regional Medical Center - 1

The Medical Center at Bowling Green

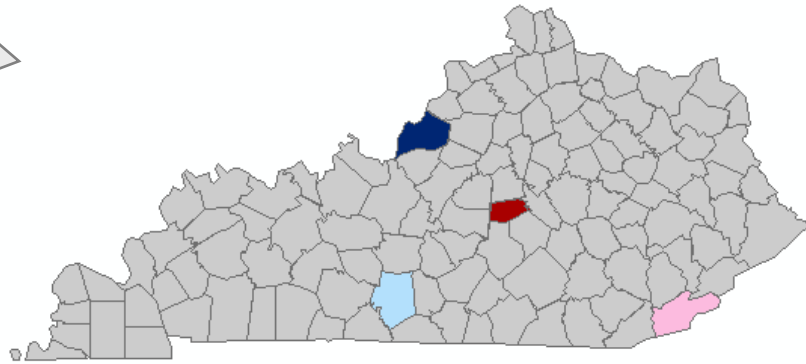
- Cumberland County Hospital - 1
- Jane Todd Crawford Hospital - 1
- MCS Acute Care - 8
- The Medical Center at Caverna - 1
- Twin Lakes Regional ER - 1

Only incidents submitted to KSTARS with a correct Facility ID code, and NEMSIS Elements eDisposition.21 (Type of Destination) & eScene.09 (Scene Incident Location Type) containing 'Hospital' are included in the above data.

Hospital to Hospital Interfacility Transports

Stroke Incidents Transported to an Acute Stroke Ready Hospital (ASRH)

There are a total of fourteen (14) Acute Stroke Ready Hospitals in Kentucky.



Acute Stroke Ready Hospitals

Ephraim McDowell Regional Medical Center

- Fort Logan Hospital - 1

Harlan ARH Hospital

- Barbourville ARH - 1

TJ Samson Hospital

- TJ Health/Columbia ER - 5

Norton HSP/Norton Children HSP/ Norton Healthcare Pavilion

- Kings Daughters Hospital - 3
- Norton Children's Medical Center - Pediatric Outpatient - 1
- Springview Hospital - 4
- Taylor Regional Hospital ER - 2
- Twin Lakes Regional Medical Center - 2

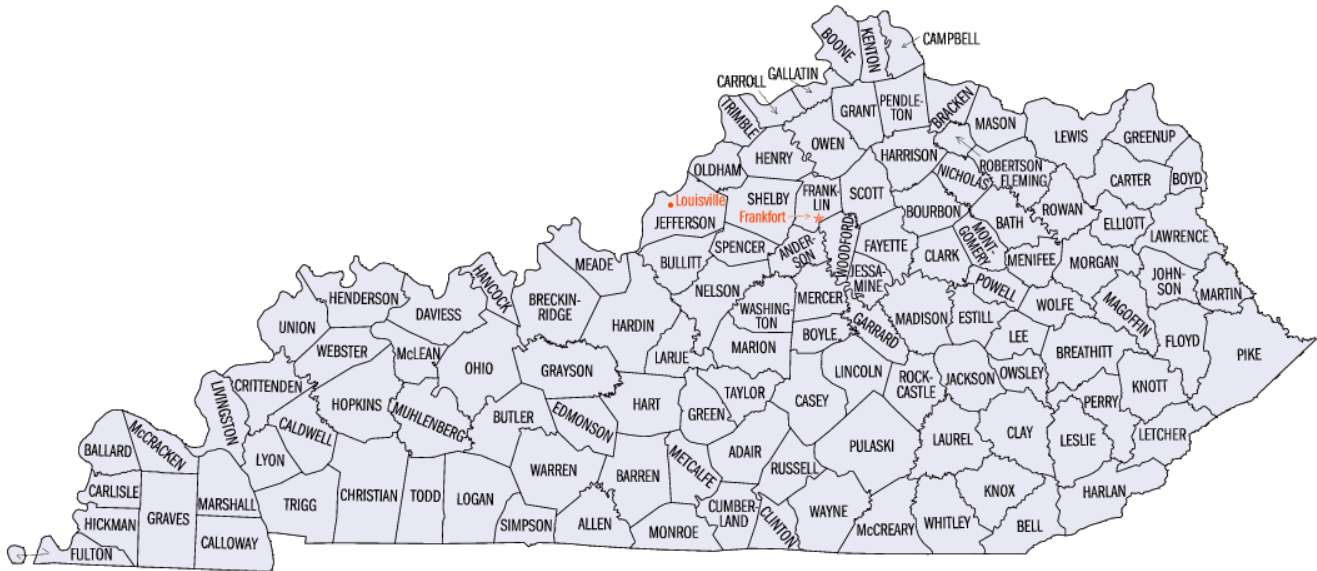
Only incidents submitted to KSTARS with a correct Facility ID code, and NEMSIS Elements eDisposition.21 (Type of Destination) & eScene.09 (Scene Incident Location Type) containing 'Hospital' are included in the above data.

Appendix



Appendix A

Kentucky Counties



Appendix B

911 (Scene) Responses for Stroke Incidents by Scene County Patient Percentage & Population Ratio								
Name	%	Ratio						
Adair County	0.2%	480.1	Grant County	0.2%	529.3	McLean County	0.1%	1907.3
Allen County	0.1%	815.4	Graves County	0.1%	783.7	Meade County	0.3%	323.8
Anderson County	0.1%	1216.0	Grayson County	0.1%	707.9	Menifee County	0.2%	628.7
Ballard County	0.3%	358.3	Green County	0.3%	356.2	Mercer County	0.2%	546.6
Barren County	0.2%	607.7	Greenup County	0.2%	484.1	Metcalfe County	0.1%	908.2
Bath County	0.2%	469.5	Hancock County	0.2%	416.8	Monroe County	0.2%	465.4
Bell County	0.2%	661.4	Hardin County	0.3%	389.4	Montgomery County	0.3%	398.2
Boone County	0.2%	616.6	Harlan County	0.1%	686.9	Morgan County	0.1%	1330.3
Bourbon County	0.2%	424.9	Harrison County	0.1%	885.3	Muhlenberg County	0.1%	709.3
Boyd County	0.3%	384.5	Hart County	0.3%	371.9	Nelson County	0.1%	679.0
Boyle County	0.3%	390.9	Henderson County	0.2%	603.5	Nicholas County	0.2%	502.9
Bracken County	0.2%	420.3	Henry County	0.2%	519.1	Ohio County	0.2%	435.9
Breathitt County	0.1%	670.5	Hickman County	0.1%	1183.5	Oldham County	0.1%	803.7
Breckinridge County	0.1%	1169.9	Hopkins County	0.3%	333.6	Owen County	0.2%	532.3
Bullitt County	0.2%	586.1	Jackson County	0.1%	1661.1	Owsley County	0.1%	1127.0
Butler County	0.4%	242.9	Jefferson County	0.3%	368.8	Pendleton County	0.2%	499.8
Caldwell County	0.1%	795.3	Jessamine County	0.3%	352.9	Perry County	0.2%	599.9
Calloway County	0.1%	832.2	Johnson County	0.1%	1368.4	Pike County	0.1%	900.5
Campbell County	0.2%	651.3	Kenton County	0.2%	620.9	Powell County	0.3%	388.6
Carlisle County	0.2%	553.1	Knott County	0.1%	836.4	Pulaski County	0.3%	360.6
Carroll County	0.3%	372.9	Knox County	0.1%	859.4	Robertson County	0.0%	0.0
Carter County	0.3%	336.1	Larue County	0.2%	429.7	Rockcastle County	0.1%	1051.6
Casey County	0.2%	567.5	Laurel County	0.2%	491.9	Rowan County	0.0%	7885.0
Christian County	0.2%	608.6	Lawrence County	0.1%	987.8	Russell County	0.2%	522.8
Clark County	0.8%	123.3	Lee County	0.2%	584.2	Scott County	0.3%	391.5
Clay County	0.2%	440.6	Leslie County	0.2%	574.6	Shelby County	0.1%	1019.9
Clinton County	0.2%	597.9	Letcher County	0.2%	458.0	Simpson County	0.4%	270.1
Crittenden County	0.1%	922.4	Lewis County	0.2%	578.3	Spencer County	0.1%	1104.3
Cumberland County	0.2%	449.7	Lincoln County	0.2%	407.4	Taylor County	0.3%	355.7
Daviess County	0.2%	634.0	Livingston County	0.3%	390.0	Todd County	0.1%	963.1
Edmonson County	0.1%	1334.8	Logan County	0.1%	814.2	Trigg County	0.2%	505.1
Elliott County	0.1%	1278.7	Lyon County	0.4%	281.0	Trimble County	0.3%	337.9
Estill County	0.2%	412.8	Madison County	0.2%	444.3	Union County	0.1%	947.8
Fayette County	0.2%	440.8	Magoffin County	0.2%	661.6	Warren County	0.3%	383.6
Fleming County	0.2%	581.8	Marion County	0.4%	225.7	Washington County	0.2%	664.4
Floyd County	0.4%	235.2	Marshall County	0.0%	4367.0	Wayne County	0.3%	353.2
Franklin County	0.2%	639.5	Martin County	0.1%	1434.8	Webster County	0.2%	661.8
Fulton County	0.3%	313.3	Mason County	0.2%	488.0	Whitley County	0.1%	1268.0
Gallatin County	0.4%	268.4	McCracken County	0.5%	221.1	Wolfe County	0.0%	3607.0
Garrard County	0.0%	2107.3	McCreary County	0.5%	184.4	Woodford County	0.2%	568.1

Appendix C

Interfacility & Medical Transports for Stroke Incidents by Scene County								
Name	%	Ratio						
Adair County	0.2%	548.7	Grant County	0.0%	4,975.0	McLean County	0.0%	0.0
Allen County	0.1%	1,698.7	Graves County	0.0%	2,212.8	Meade County	0.0%	29,139.0
Anderson County	0.0%	0.0	Grayson County	0.1%	689.3	Menifee County	0.0%	0.0
Ballard County	0.0%	0.0	Green County	0.2%	649.6	Mercer County	0.1%	926.9
Barren County	0.1%	938.0	Greenup County	0.0%	3,025.7	Metcalfe County	0.0%	0.0
Bath County	0.0%	12,206.0	Hancock County	0.1%	1,750.6	Monroe County	0.1%	713.6
Bell County	0.2%	617.3	Hardin County	0.2%	629.5	Montgomery County	0.3%	315.8
Boone County	0.0%	18,059.0	Harlan County	0.2%	640.1	Morgan County	0.1%	1,209.4
Bourbon County	0.1%	951.0	Harrison County	0.2%	641.1	Muhlenberg County	0.1%	1,076.1
Boyd County	0.4%	233.6	Hart County	0.1%	1,328.4	Nelson County	0.2%	649.4
Boyle County	0.5%	207.7	Henderson County	0.1%	1,498.9	Nicholas County	0.0%	0.0
Bracken County	0.0%	0.0	Henry County	0.0%	15,572.0	Ohio County	0.1%	1,141.8
Breathitt County	0.1%	1,031.5	Hickman County	0.0%	0.0	Oldham County	0.0%	2,760.4
Breckinridge County	0.1%	1,420.6	Hopkins County	0.4%	284.5	Owen County	0.0%	10,645.0
Bullitt County	0.0%	3,897.8	Jackson County	0.0%	13,289.0	Owsley County	0.1%	1,127.0
Butler County	0.0%	4,291.7	Jefferson County	0.1%	1,792.5	Pendleton County	0.0%	0.0
Caldwell County	0.0%	6,362.5	Jessamine County	0.0%	3,387.7	Perry County	0.2%	511.1
Calloway County	0.0%	6,380.3	Johnson County	0.1%	1,057.4	Pike County	0.1%	1,236.0
Campbell County	0.1%	1,732.7	Kenton County	0.0%	20,491.1	Powell County	0.0%	0.0
Carlisle County	0.0%	2,489.0	Knott County	0.0%	15,892.0	Pulaski County	0.1%	851.0
Carroll County	0.1%	831.9	Knox County	0.1%	1,177.7	Robertson County	0.0%	2,197.0
Carter County	0.0%	27,223.0	Larue County	0.0%	0.0	Rockcastle County	0.1%	989.8
Casey County	0.2%	529.7	Laurel County	0.2%	560.9	Rowan County	0.1%	1,971.3
Christian County	0.1%	1,427.9	Lawrence County	0.2%	545.0	Russell County	0.0%	2,221.8
Clark County	0.7%	147.8	Lee County	0.0%	0.0	Scott County	0.1%	1,250.8
Clay County	0.3%	364.6	Leslie County	0.2%	574.6	Shelby County	0.0%	14,958.3
Clinton County	0.2%	635.3	Letcher County	0.2%	417.1	Simpson County	0.0%	4,456.5
Crittenden County	0.0%	3,074.7	Lewis County	0.0%	2,776.0	Spencer County	0.0%	0.0
Cumberland County	0.2%	562.1	Lincoln County	0.1%	977.8	Taylor County	0.6%	181.7
Daviess County	0.0%	3,388.8	Livingston County	0.1%	1,559.8	Todd County	0.0%	0.0
Edmonson County	0.0%	0.0	Logan County	0.0%	2,686.7	Trigg County	0.1%	744.3
Elliott County	0.0%	0.0	Lyon County	0.0%	4,215.0	Trimble County	0.0%	0.0
Estill County	0.2%	401.3	Madison County	0.1%	710.0	Union County	0.2%	583.3
Fayette County	0.0%	8,178.9	Magoffin County	0.0%	8,931.5	Warren County	0.1%	1,942.9
Fleming County	0.2%	661.1	Marion County	0.7%	137.4	Washington County	0.0%	11,959.0
Floyd County	0.2%	560.4	Marshall County	0.0%	43,670.0	Wayne County	0.1%	890.7
Franklin County	0.1%	1,187.6	Martin County	0.0%	12,913.0	Webster County	0.0%	0.0
Fulton County	0.0%	3,132.5	Mason County	0.5%	200.1	Whitley County	0.3%	331.8
Gallatin County	0.0%	0.0	McCracken County	0.3%	372.9	Wolfe County	0.0%	0.0
Garrard County	0.0%	0.0	McCreary County	0.0%	6,268.5	Woodford County	0.0%	2,323.9



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