

KY COVID-19 Report 31DEC20

Daily Summary

Measure	Total	Confirmed	Probable
Cases	269,381	216,445	52,936
Deaths	2,662	2,481	181
New Cases	4,145	3,189	956
New Cases 18 and Under	441	302	139
New Deaths	39	35	4

26 duplicates and records not meeting case criteria removed since last report

Age Distribution

Cases	Case Percent	Age Group	Death Percent	Deaths
10,490	3.9%	0-9	0.0%	1
27,219	10.1%	10-19	0.0%	1
49,545	18.4%	20-29	0.0%	1
40,964	15.2%	30-39	0.7%	19
40,158	14.9%	40-49	1.7%	44
38,706	14.4%	50-59	5.9%	156
30,314	11.3%	60-69	16.5%	438
18,754	7.0%	70-79	26.0%	693
13,075	4.9%	80+	49.2%	1,309
156	0.1%	Unknown	0.0%	0

Race and Ethnicity Distribution

Cases	Case Percent	Race	Death Percent	Deaths
536	0.3%	American Indian	0.1%	2
2,563	1.3%	Asian	0.7%	17
18,802	9.4%	Black	9.6%	235
173	0.1%	Pacific Islander	0.0%	1
167,351	83.8%	White	86.9%	2,123
10,249	5.1%	Multiracial	2.6%	64

Cases	Case Percent	Ethnicity	Death Percent	Deaths
9,898	5.1%	Hispanic	2.2%	51
183,941	94.9%	Non-Hispanic	97.8%	2,290

Percentages are expressed as percentage of cases or deaths with race or ethnicity known
Race known for 74.1% of cases and 91.7% of deaths
Ethnicity known for 72.0% of cases and 87.9% of deaths

Long Term Care and Congregate Settings

Measure	Count	Percent
Cases	35,971	13.4%
Deaths	1,916	72.0%

Current Positivity Rate

Positive PCRs	Total PCRs	Positivity Rate
9,041	91,378	9.89%

Positivity rate is calculated using electronically submitted PCRs from the past seven days. Over the Christmas holiday, we have experienced a significant decrease in reporting from major laboratories. Due to this, a larger proportion of the electronically-submitted PCR test results used to calculate COVID-19 test positivity rates are coming from healthcare facilities. Healthcare facilities primarily test symptomatic people, which will increase the positivity rate until the usual general population testing is reported fully again. We expect to see increased fluctuations in the positivity rate through the New Year's holiday due to changes with laboratory schedules which impact testing and reporting.

Testing Type Summary

Total Tests	Total PCR Tests	Total Serology Tests	Total Antigen Tests	Total Positive Tests	Total PCR Positive	Total Serology Positive	Total Antigen Positive
3,439,154	3,168,576	102,044	168,534	208,205	183,879	6,923	17,403

Case Outcomes

Outcomes	Cases	Percent
Ever Hospitalized	13,600	5.05%
Ever ICU	3,062	1.14%
Recovered	36,973	13.73%

Current COVID-19 Hospital Census

Patient Type	Total
Hospitalized	1,627
ICU	432
On Ventilator	224

Current Overall Capacity

Resource	# Occupied	# Available	% Occupancy
Inpatient Beds	8,873	4,384	66.9%
ICU Beds	1,208	595	67.0%
Ventilators	617	1,171	34.5%

Current Regional Statistics

Region	COVID-19 Inpatient	COVID-19 ICU	COVID-19 on Ventilator	Inpatient Capacity Used for COVID-19	ICU Capacity Used for COVID-19	Ventilator Capacity Used for COVID-19	Inpatient Capacity in Use	ICU Capacity in Use	Ventilator Capacity in Use
Region 1	88	29	18	11.1%	28.4%	18.2%	60.86%	66.67%	24.24%
Region 2	110	32	16	13.3%	26.2%	19.5%	48.54%	40.98%	40.24%
Region 3	477	112	69	12.5%	21.5%	15.8%	65.87%	65.64%	37.53%
Region 4	87	30	17	10.2%	27.8%	15.3%	55.99%	82.41%	26.13%
Region 5	267	75	41	9.7%	18.0%	7.9%	73.87%	71.88%	40.73%
Region 6	158	38	12	12.6%	21.7%	10.6%	77.82%	53.14%	56.64%
Region 7	106	15	2	16.9%	23.4%	1.7%	80.86%	65.63%	5.79%
Region 8	155	44	27	12.9%	32.4%	18.5%	61.40%	83.82%	32.88%
Region 9	125	37	16	18.8%	32.5%	15.8%	63.96%	60.53%	19.80%
Region 10	54	20	6	11.4%	44.4%	10.0%	67.72%	93.33%	28.33%

Data is derived from the most recent report from facilities as of 12am. COVID-19 census numbers include both confirmed and suspected patients. Red shading indicates regions with current inpatient, ICU, or ventilator capacity in use 80% or higher.

Region 1:

Ballard, Caldwell, Calloway, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, McCracken, Trigg

Region 3:

Breckinridge, Bullitt, Grayson, Hardin, Henry, Jefferson, LaRue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble, Washington

Region 5:

Anderson, Bourbon, Boyle, Clark, Estill, Fayette, Franklin, Garrard, Harrison, Jessamine, Lincoln, Madison, Mercer, Nicholas, Powell, Scott, Woodford

Region 7:

Bath, Boyd, Carter, Elliott, Fleming, Greenup, Lewis, Mason, Menifee, Montgomery, Morgan, Robertson, Rowan

Region 9:

Bell, Clay, Harlan, Jackson, Knox, Laurel, Rockcastle, Whitley

Region 2:

Christian, Daviess, Hancock, Henderson, Hopkins, McLean, Muhlenberg, Ohio, Todd, Union, Webster

Region 4:

Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, Warren

Region 6:

Boone, Bracken, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton

Region 8:

Breathitt, Floyd, Johnson, Knott, Lawrence, Lee, Leslie, Letcher, Magoffin, Martin, Owsley, Perry, Pike, Wolfe

Region 10:

Adair, Casey, Clinton, Cumberland, Green, McCreary, Pulaski, Russell, Taylor, Wayne

Total Cases by County

County	Cases	Percent
Jefferson	51,330	19.1%
Fayette	23,486	8.7%
Warren	10,232	3.8%
Kenton	8,921	3.3%
Boone	7,661	2.8%
Hardin	6,086	2.3%
Daviess	5,865	2.2%
Madison	5,770	2.1%
Campbell	4,583	1.7%
Christian	4,339	1.6%
McCracken	4,297	1.6%
Bullitt	4,174	1.5%
Oldham	3,863	1.4%
Pulaski	3,731	1.4%
Laurel	3,694	1.4%
Boyd	3,108	1.2%
Shelby	3,027	1.1%
Pike	2,989	1.1%
Henderson	2,957	1.1%
Nelson	2,912	1.1%
Whitley	2,798	1.0%
Graves	2,695	1.0%
Hopkins	2,683	1.0%
Jessamine	2,633	1.0%
Barren	2,560	1.0%
Scott	2,474	0.9%
Calloway	2,368	0.9%
Greenup	2,307	0.9%
Boyle	2,232	0.8%
Franklin	2,142	0.8%

County	Cases	Percent
Muhlenberg	1,959	0.7%
Floyd	1,844	0.7%
Bell	1,813	0.7%
Knox	1,798	0.7%
Taylor	1,747	0.6%
Logan	1,718	0.6%
Clay	1,655	0.6%
Marshall	1,587	0.6%
Harlan	1,576	0.6%
Perry	1,574	0.6%
Marion	1,529	0.6%
Ohio	1,490	0.6%
Lincoln	1,459	0.5%
Clark	1,456	0.5%
Carter	1,411	0.5%
Mercer	1,389	0.5%
Montgomery	1,387	0.5%
Wayne	1,346	0.5%
Grayson	1,300	0.5%
Woodford	1,276	0.5%
Grant	1,258	0.5%
Rowan	1,258	0.5%
Hart	1,229	0.5%
Adair	1,211	0.4%
Simpson	1,199	0.4%
Allen	1,172	0.4%
Meade	1,154	0.4%
Johnson	1,135	0.4%
McCreary	1,115	0.4%
Russell	1,105	0.4%

County	Cases	Percent
Letcher	1,061	0.4%
Lee	1,046	0.4%
Anderson	999	0.4%
Spencer	996	0.4%
Monroe	965	0.4%
Union	960	0.4%
Garrard	957	0.4%
Mason	942	0.3%
Bourbon	938	0.3%
Washington	877	0.3%
Caldwell	874	0.3%
Rockcastle	867	0.3%
Jackson	858	0.3%
Clinton	853	0.3%
Larue	833	0.3%
Casey	830	0.3%
Henry	824	0.3%
Butler	801	0.3%
Lewis	801	0.3%
Elliott	800	0.3%
Lawrence	777	0.3%
Green	758	0.3%
Harrison	753	0.3%
Webster	750	0.3%
Knott	741	0.3%
Fleming	740	0.3%
Magoffin	705	0.3%
Todd	704	0.3%
Powell	695	0.3%
Estill	676	0.3%

County	Cases	Percent
Trigg	663	0.2%
Breckinridge	660	0.2%
Martin	658	0.2%
Breathitt	619	0.2%
Pendleton	614	0.2%
Metcalfe	612	0.2%
McLean	555	0.2%
Edmonson	544	0.2%
Carroll	540	0.2%
Morgan	531	0.2%
Bath	514	0.2%
Livingston	490	0.2%
Leslie	475	0.2%
Hancock	463	0.2%
Owen	432	0.2%
Gallatin	430	0.2%
Cumberland	406	0.2%
Trimble	377	0.1%
Fulton	366	0.1%
Crittenden	338	0.1%
Carlisle	332	0.1%
Lyon	320	0.1%
Owsley	314	0.1%
Wolfe	299	0.1%
Bracken	285	0.1%
Nicholas	269	0.1%
Ballard	239	0.1%
Menifee	226	0.1%
Hickman	223	0.1%
Robertson	138	0.1%

Total Cases
269,381

New Cases by County

County	Cases	Percent
Jefferson	524	12.6%
Fayette	411	9.9%
Kenton	179	4.3%
Boone	146	3.5%
Oldham	126	3.0%
Daviess	125	3.0%
Warren	122	2.9%
Hardin	121	2.9%
Boyd	105	2.5%
Christian	80	1.9%
Campbell	72	1.7%
Boyle	70	1.7%
Pike	70	1.7%
Madison	67	1.6%
Graves	63	1.5%
Hopkins	63	1.5%
Laurel	59	1.4%
Nelson	54	1.3%
Whitley	49	1.2%
Carter	47	1.1%
Rowan	44	1.1%
Bullitt	43	1.0%
Muhlenberg	39	0.9%
Harlan	38	0.9%
Shelby	38	0.9%
Floyd	37	0.9%
Jessamine	37	0.9%
Knox	36	0.9%
Wayne	35	0.8%
Greenup	34	0.8%

County	Cases	Percent
Pulaski	34	0.8%
Letcher	33	0.8%
McCracken	33	0.8%
Clay	32	0.8%
Fleming	29	0.7%
Anderson	28	0.7%
Marshall	28	0.7%
Taylor	28	0.7%
McCreary	27	0.7%
Logan	26	0.6%
Bell	25	0.6%
Lewis	25	0.6%
Barren	24	0.6%
Calloway	24	0.6%
Harrison	24	0.6%
Mason	23	0.6%
Mercer	23	0.6%
Ohio	23	0.6%
Rockcastle	23	0.6%
Breathitt	22	0.5%
Monroe	22	0.5%
Pery	22	0.5%
Woodford	22	0.5%
Lawrence	20	0.5%
Allen	19	0.5%
Grant	19	0.5%
Henderson	17	0.4%
Lincoln	17	0.4%
Meade	17	0.4%
Scott	17	0.4%

County	Cases	Percent
Todd	17	0.4%
Elliott	16	0.4%
Garrard	16	0.4%
Marion	16	0.4%
Simpson	16	0.4%
Grayson	15	0.4%
Hancock	15	0.4%
Johnson	15	0.4%
Clinton	14	0.3%
Bourbon	13	0.3%
Jackson	13	0.3%
Morgan	13	0.3%
Nicholas	13	0.3%
Butler	12	0.3%
Cumberland	12	0.3%
Larue	12	0.3%
Carroll	11	0.3%
Franklin	11	0.3%
Menifee	11	0.3%
Bath	10	0.2%
Green	10	0.2%
Henry	10	0.2%
Metcalfe	10	0.2%
Owsley	10	0.2%
Webster	10	0.2%
Adair	9	0.2%
Powell	9	0.2%
Spencer	9	0.2%
Washington	9	0.2%
Breckinridge	8	0.2%

County	Cases	Percent
Montgomery	8	0.2%
Bracken	7	0.2%
Owen	7	0.2%
Union	7	0.2%
Ballard	6	0.1%
Edmonson	6	0.1%
Estill	6	0.1%
Russell	6	0.1%
Casey	5	0.1%
Clark	5	0.1%
Gallatin	5	0.1%
McLean	5	0.1%
Pendleton	5	0.1%
Trigg	5	0.1%
Caldwell	4	0.1%
Carlisle	4	0.1%
Hart	4	0.1%
Leslie	4	0.1%
Magoffin	4	0.1%
Trimble	4	0.1%
Fulton	3	0.1%
Knott	3	0.1%
Lee	3	0.1%
Livingston	2	0.0%
Crittenden	1	0.0%
Lyon	1	0.0%
Hickman	0	0.0%
Martin	0	0.0%
Robertson	0	0.0%
Wolfe	0	0.0%

Total New Cases
4,145

Total Deaths by County

County	Deaths	Percent
Jefferson	536	20.1%
Fayette	143	5.4%
Warren	84	3.2%
Hopkins	79	3.0%
Daviess	76	2.9%
Kenton	67	2.5%
Christian	51	1.9%
Oldham	48	1.8%
Graves	47	1.8%
Henderson	46	1.7%
Jessamine	46	1.7%
Hardin	42	1.6%
McCracken	41	1.5%
Adair	39	1.5%
Boone	39	1.5%
Logan	39	1.5%
Madison	39	1.5%
Barren	35	1.3%
Pulaski	35	1.3%
Pike	33	1.2%
Grayson	32	1.2%
Boyd	31	1.2%
Bullitt	31	1.2%
Muhlenberg	29	1.1%
Shelby	29	1.1%
Bell	27	1.0%
Monroe	26	1.0%
Ohio	26	1.0%
Calloway	25	0.9%
Campbell	25	0.9%

County	Deaths	Percent
Russell	25	0.9%
Lewis	24	0.9%
Casey	23	0.9%
Lincoln	23	0.9%
Scott	23	0.9%
Franklin	20	0.8%
Jackson	20	0.8%
McLean	20	0.8%
Marion	20	0.8%
Marshall	20	0.8%
Greenup	19	0.7%
Harlan	19	0.7%
Lee	18	0.7%
Mason	18	0.7%
Allen	17	0.6%
Nelson	17	0.6%
Taylor	17	0.6%
Butler	16	0.6%
Floyd	16	0.6%
Johnson	16	0.6%
Perry	16	0.6%
Todd	16	0.6%
Caldwell	15	0.6%
Clark	15	0.6%
Clinton	15	0.6%
Knott	14	0.5%
Laurel	14	0.5%
Edmonson	13	0.5%
Montgomery	12	0.5%
Webster	12	0.5%

County	Deaths	Percent
Hancock	11	0.4%
Washington	11	0.4%
Green	10	0.4%
Knox	10	0.4%
Martin	10	0.4%
Owsley	10	0.4%
Simpson	10	0.4%
Whitley	10	0.4%
Gallatin	9	0.3%
Hart	9	0.3%
Union	9	0.3%
Bath	8	0.3%
Clay	8	0.3%
Rockcastle	8	0.3%
Wayne	8	0.3%
Grant	7	0.3%
Livingston	7	0.3%
Metcalfe	7	0.3%
Carroll	6	0.2%
Carter	6	0.2%
Mercer	6	0.2%
Owen	6	0.2%
Breckinridge	5	0.2%
Hickman	5	0.2%
Lawrence	5	0.2%
Lyon	5	0.2%
Robertson	5	0.2%
Spencer	5	0.2%
Cumberland	4	0.2%
Fulton	4	0.2%

County	Deaths	Percent
Garrard	4	0.2%
Henry	4	0.2%
Larue	4	0.2%
Letcher	4	0.2%
Meade	4	0.2%
Bracken	3	0.1%
Breathitt	3	0.1%
Crittenden	3	0.1%
Nicholas	3	0.1%
Rowan	3	0.1%
Trigg	3	0.1%
Wolfe	3	0.1%
Anderson	2	0.1%
Ballard	2	0.1%
Boyle	2	0.1%
Fleming	2	0.1%
Bourbon	1	0.0%
Carlisle	1	0.0%
Elliott	1	0.0%
Harrison	1	0.0%
Leslie	1	0.0%
McCreary	1	0.0%
Magoffin	1	0.0%
Menifee	1	0.0%
Pendleton	1	0.0%
Woodford	1	0.0%
Estill	0	0.0%
Morgan	0	0.0%
Powell	0	0.0%
Trimble	0	0.0%

Total Deaths
2,662

Incidence Rates by County

Average daily new cases per 100,000 population based on previous seven days

County	Rate
Boyle	144.9
Clay	128.5
Clinton	120.2
Wayne	96.3
Fleming	96.0
Lawrence	93.3
Hancock	85.2
Greenup	83.4
McCreary	82.1
Menifee	79.3
Graves	78.2
Owsley	77.7
Boyd	76.8
Monroe	73.8
Breathitt	73.5
Letcher	72.2
Mercer	71.6
Bourbon	70.7
Whitley	70.5
Carlisle	69.0
Laurel	68.8
Carter	68.2
Robertson	67.8
Oldham	67.6
Knox	67.4
Cumberland	67.0
Pike	66.6
Elliott	66.5
Allen	64.3
Bell	63.7

County	Rate
Harlan	63.2
Christian	62.0
Warren	60.6
Rowan	60.2
Pulaski	58.9
Butler	57.7
Anderson	57.2
Muhlenberg	56.9
Daviess	56.6
Nelson	55.3
Henry	54.9
Todd	54.6
Kenton	54.4
Taylor	54.3
Hardin	53.8
Marshall	52.4
Hopkins	51.8
Henderson	51.5
Fayette	51.3
Perry	50.5
Floyd	49.8
Simpson	49.2
Webster	48.6
Boone	48.4
Lincoln	47.7
Grayson	47.0
Metcalfe	46.8
Logan	46.4
Jackson	46.1
Calloway	44.7

County	Rate
Garrard	44.5
Nicholas	43.2
Mason	42.7
Rockcastle	41.9
Powell	41.6
Washington	41.3
Shelby	40.8
Bullitt	40.8
Jefferson	40.7
Russell	40.7
Ohio	40.5
Woodford	40.1
Campbell	40.0
Harrison	39.3
Larue	38.7
Grant	38.2
Marion	37.8
Carroll	37.6
Leslie	37.6
McLean	37.2
Union	36.8
Green	36.6
Meade	36.5
Madison	36.3
McCracken	35.2
Jessamine	34.1
Morgan	32.2
Fulton	31.1
Spencer	31.0
Lee	30.9

County	Rate
Breckinridge	30.7
Edmonson	30.6
Pendleton	29.4
Gallatin	29.0
Knott	28.9
Owen	28.8
Franklin	28.0
Johnson	27.7
Estill	27.3
Trigg	27.3
Martin	26.8
Barren	26.8
Adair	26.8
Casey	25.6
Trimble	25.3
Bath	24.0
Wolfe	24.0
Montgomery	23.8
Ballard	23.5
Clark	20.9
Scott	20.0
Hart	19.5
Lewis	17.2
Livingston	15.5
Caldwell	13.4
Magoffin	12.9
Lyon	12.2
Bracken	10.3
Crittenden	6.5
Hickman	0.0

Current Overall Incidence Rate
49.04 per 100k population

The average daily incidence rates are calculated using the number of cases with an investigation start date in the previous seven days and a specimen collection date or onset date less than 14 days prior to the investigation start date. Populations used for the rate calculation are the 2019 estimates from the US Census Bureau.