COVID-19 Data Summary for the Southwestern Pennsylvania Region
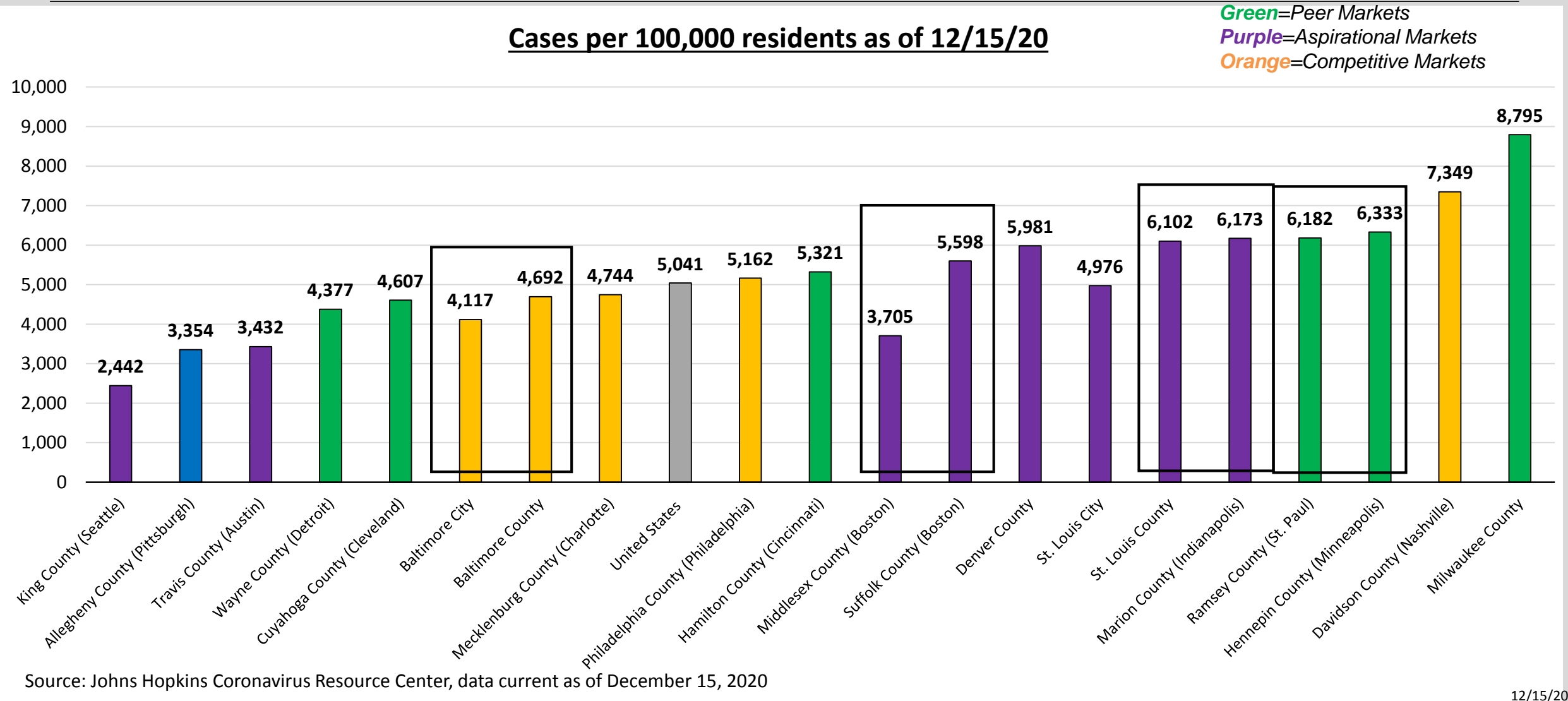## Periods covering November to December
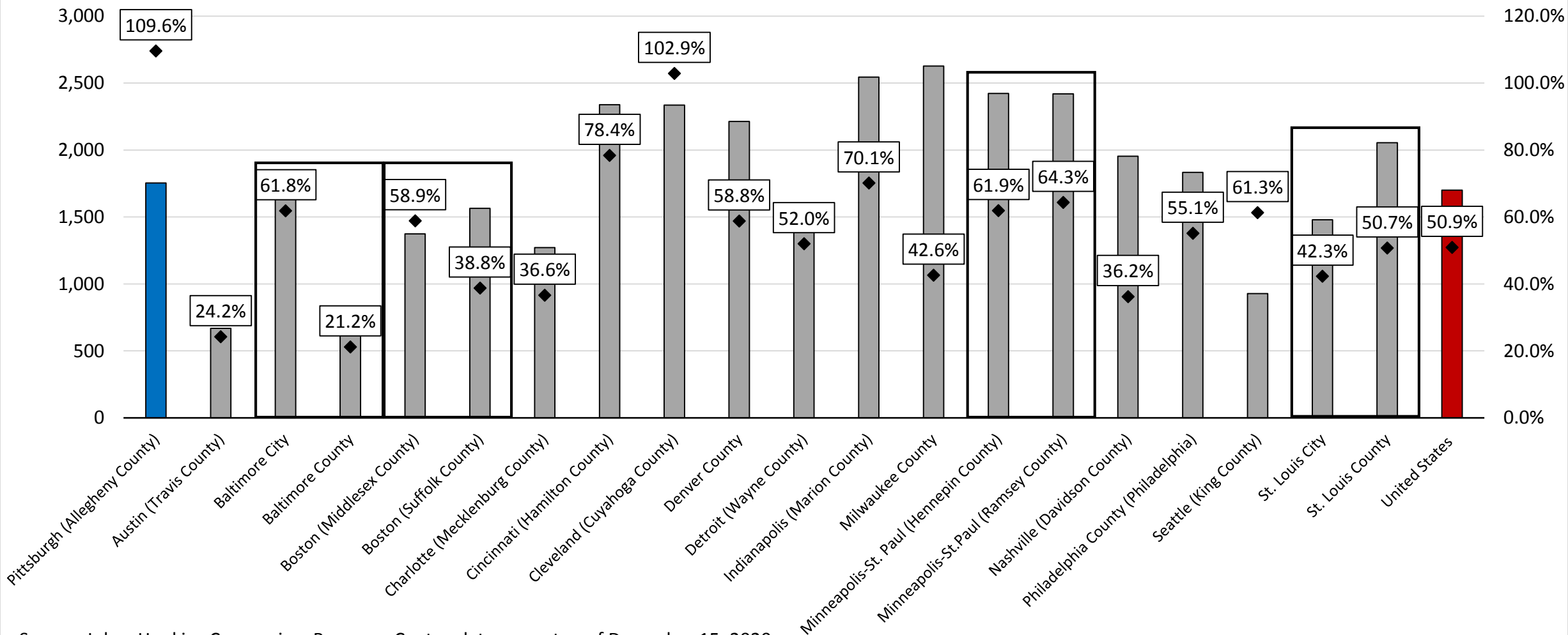
December 15, 2020

Key Takeaways

- As of Tuesday, December 15, Allegheny County's rate of COVID-19 cases per 100,000 residents remains below the national rate.

- From November to December, the increase in the number of cases per 100,000 in Allegheny County was slightly higher than the U.S. but lower than nine benchmark regions. However, the percentage increase exceeded the U.S. percentage increase.

- Regionally, the rate of new COVID-19 cases over a 14-day period (12/1 to 12/15) has increased 62.2%. Fayette, Beaver, and Westmoreland have seen the largest increases.

- Daily new cases for the region have increased 84.6% from 12/1 to 12/15.

- In Allegheny County, hospitalizations have increased 23.9% between 12/1 and 12/15, which is an increase from the 14-day hospitalization increase of 14.4% reported in the previous analysis released 11/18/20 analyzing the period between 11/3 and 11/17.

Allegheny County still compares favorably to its benchmark regions in terms of COVID-19 infection rates, although Seattle ranks lower and Austin just slightly higher. In addition, while the county had traditionally had a rate that remains less than half the national rate, that gap is closing.

Cases per 100,000 residents as of 12/15/20

Green=Peer Markets
Purple=Aspirational Markets
Orange=Competitive Markets

Location	Cases per 100,000
King County (Seattle)	2,442
Allegheny County (Pittsburgh)	3,354
Travis County (Austin)	3,432
Wayne County (Detroit)	4,377
Cuyahoga County (Cleveland)	4,607
Baltimore City	4,117
Baltimore County	4,692
Mecklenburg County (Charlotte)	4,744
United States	5,041
Philadelphia County (Philadelphia)	5,162
Hamilton County (Cincinnati)	5,321
Middlesex County (Boston)	3,705
Suffolk County (Boston)	5,598
Denver County	5,981
St. Louis City	4,976
St. Louis County	6,102
Marion County (Indianapolis)	6,173
Ramsey County (St. Paul)	6,182
Hennepin County (Minneapolis)	6,333
Davidson County (Nashville)	7,349
Milwaukee County	8,795

Source: Johns Hopkins Coronavirus Resource Center, data current as of December 15, 2020

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On an absolute basis, the increase in the number of cases per 100,000 in Allegheny County from November to December was slightly higher than the U.S. but was lower than nine benchmark regions. However, the percentage increase in cases per 100,000 exceeded all benchmark regions and was more than twice the national average.

Change in Cases per 100,000 - November 15 to December 15

Source: Johns Hopkins Coronavirus Resource Center, data current as of December 15, 2020
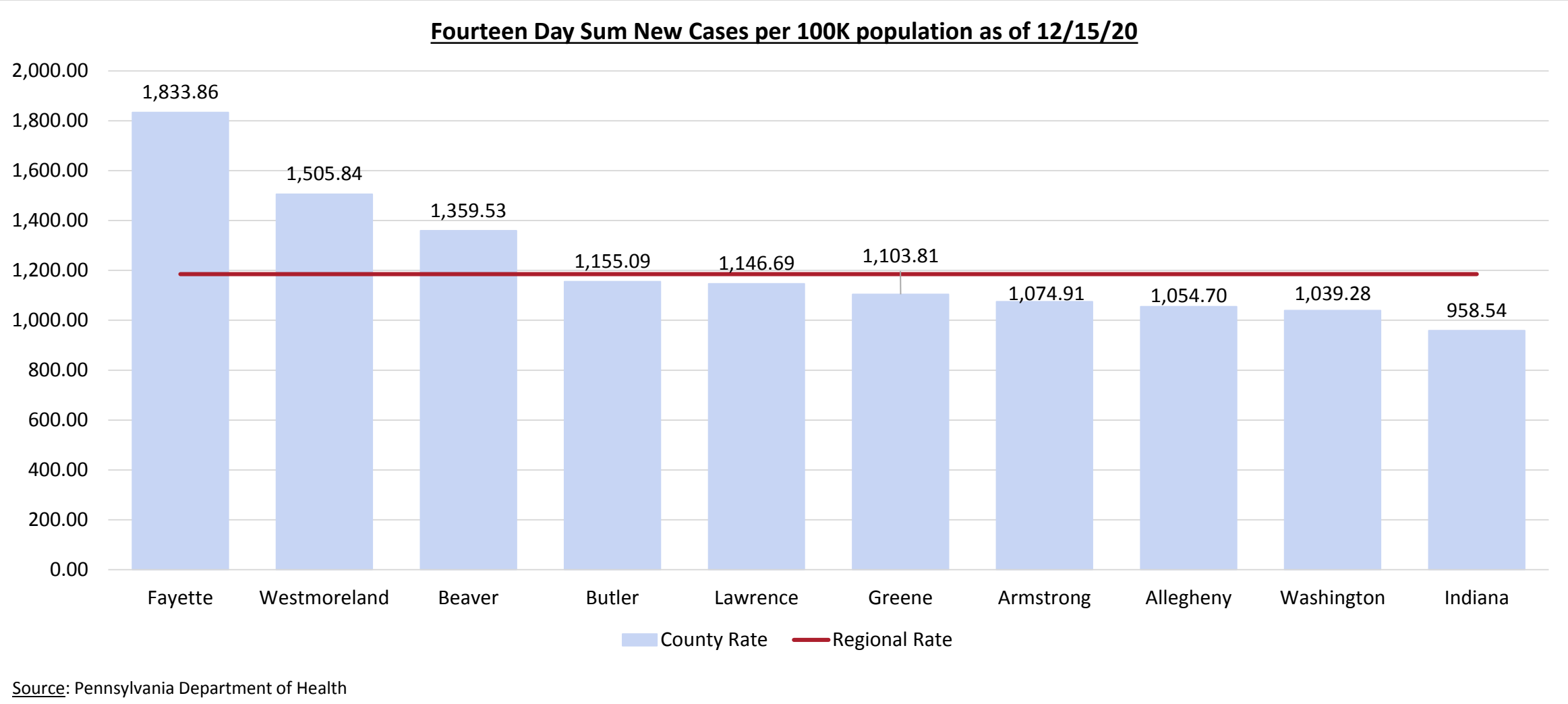
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All counties in the region have increased new cases of COVID-19 per 100,000 in the fourteen-day period between December 1 and December 15. The regional rate of growth of COVID-19 per 100,000 exceeds the state (62% to 55%). However, seven of ten counties within the region are below the regional rate of change.

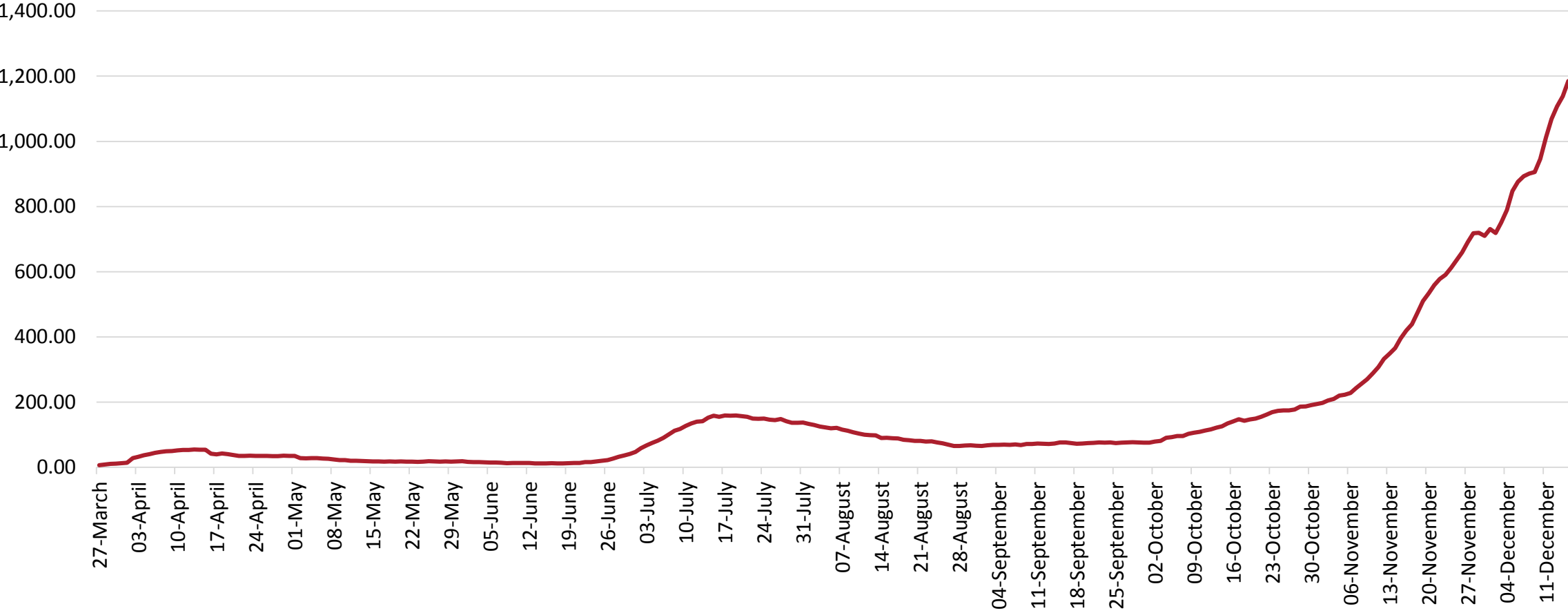| Fourteen Day Sum New Cases per 100,000 population by Geography by Date															
	12/1	12/2	12/3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	14 Day Change
Pennsylvania	716.33	731.59	765.05	803.79	851.52	863.68	875.94	903.31	918.51	946.24	988.34	1,012.03	1,052.33	1,081.21	1,111.55	+55.2%
10-County	730.72	718.76	750.80	789.11	847.65	876.28	892.86	901.25	905.61	945.68	1,011.91	1,068.69	1,107.08	1,138.02	1,185.07	+62.2%
Allegheny	668.51	659.37	693.56	728.40	777.60	800.29	819.05	831.46	845.49	877.56	914.52	958.17	988.93	1,017.49	1,054.70	+57.8%
Armstrong	854.80	812.59	761.33	818.62	845.76	853.30	901.54	918.12	894.00	912.09	939.23	990.49	1,037.22	1,064.36	1,074.91	+25.7%
Beaver	725.60	722.61	790.91	838.85	958.68	989.84	1,000.62	1,005.42	1,045.56	1,110.87	1,162.40	1,297.81	1,306.20	1,337.36	1,359.53	+87.4%
Butler	834.56	821.16	847.42	890.30	921.39	927.29	954.62	920.32	895.13	942.83	1,020.55	1,053.25	1,098.27	1,131.50	1,155.09	+38.4%
Fayette	658.41	660.67	693.18	734.00	871.58	972.87	999.33	1,069.63	1,063.58	1,203.43	1,413.57	1,557.95	1,625.23	1,667.56	1,833.86	+178.5%
Greene	778.05	745.75	721.52	761.90	813.05	888.43	821.13	783.44	772.67	759.21	861.51	912.66	1,036.51	1,076.89	1,103.81	+41.9%
Indiana	889.74	840.77	829.11	857.09	887.41	913.07	929.39	936.39	911.90	859.43	911.90	914.23	948.05	943.39	958.54	+7.7%
Lawrence	740.43	736.99	819.39	831.98	891.49	923.53	951.00	964.73	1,002.49	1,010.51	1,094.05	1,127.23	1,151.27	1,185.60	1,146.69	+54.9%
Washington	721.76	704.42	719.84	731.88	787.77	817.65	799.82	798.37	803.67	815.72	892.33	924.61	967.97	989.17	1,039.28	+44.0%
Westmoreland	856.66	843.97	883.72	946.58	1,008.31	1,039.32	1,062.15	1,065.82	1,044.39	1,115.43	1,226.49	1,306.55	1,362.36	1,409.16	1,505.84	+75.8%

Source: Pennsylvania Department of Health

12/15/20

As of Monday, December 15, regionally, there are 1,185 new cases of COVID-19 per 100,000 since December 1. Only Fayette, Westmoreland, and Beaver counties are above the regional rate of 1,185.

Fourteen Day Sum New Cases per 100K population as of 12/15/20

- Fayette: 1,833.86
- Westmoreland: 1,505.84
- Beaver: 1,359.53
- Butler: 1,155.09
- Lawrence: 1,146.69
- Greene: 1,103.81
- Armstrong: 1,074.91
- Allegheny: 1,054.70
- Washington: 1,039.28
- Indiana: 958.54

Legend: County Rate — Regional Rate

12/15/20

On Monday, December 15, regionally there are 1,185 new cases of COVID-19 over the past 14 days per 100,000 people. This figure has been increasing dramatically over the past month, and far exceeds all previous peaks.
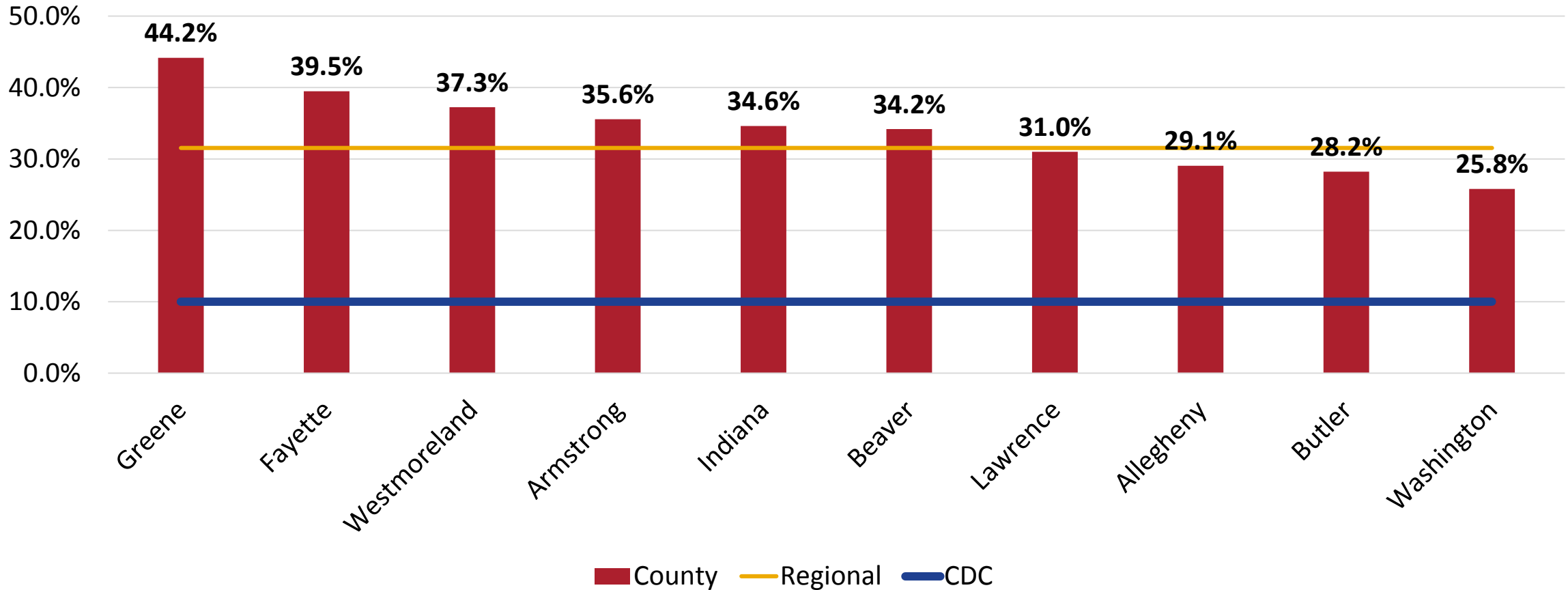

Fourteen Day Sum New Cases per 100,000 population in the 10-County Region by date

Source: Pennsylvania Department of Health

In May 2020, the Centers for Disease Control and Prevention advised that rates of positivity in testing (percentage of tests that are positive for COVID-19) should remain at 10% or lower for at least 14 days before moving to a less restricted phase of daily activities (ex. business conduct, school attendance). The positivity rate for the region on 12/15/20 is 31.5%.

Positivity Rate on 12/15/20

County	Positivity Rate
Greene	44.2%
Fayette	39.5%
Westmoreland	37.3%
Armstrong	35.6%
Indiana	34.6%
Beaver	34.2%
Lawrence	31.0%
Allegheny	29.1%
Butler	28.2%
Washington	25.8%

Legend: County — Regional — CDC

Note: Positivity is calculated by determining the rolling 7-day average for new confirmed cases and total tests, which is adapted from the methodology used by the Johns Hopkins Coronavirus Resource Center.

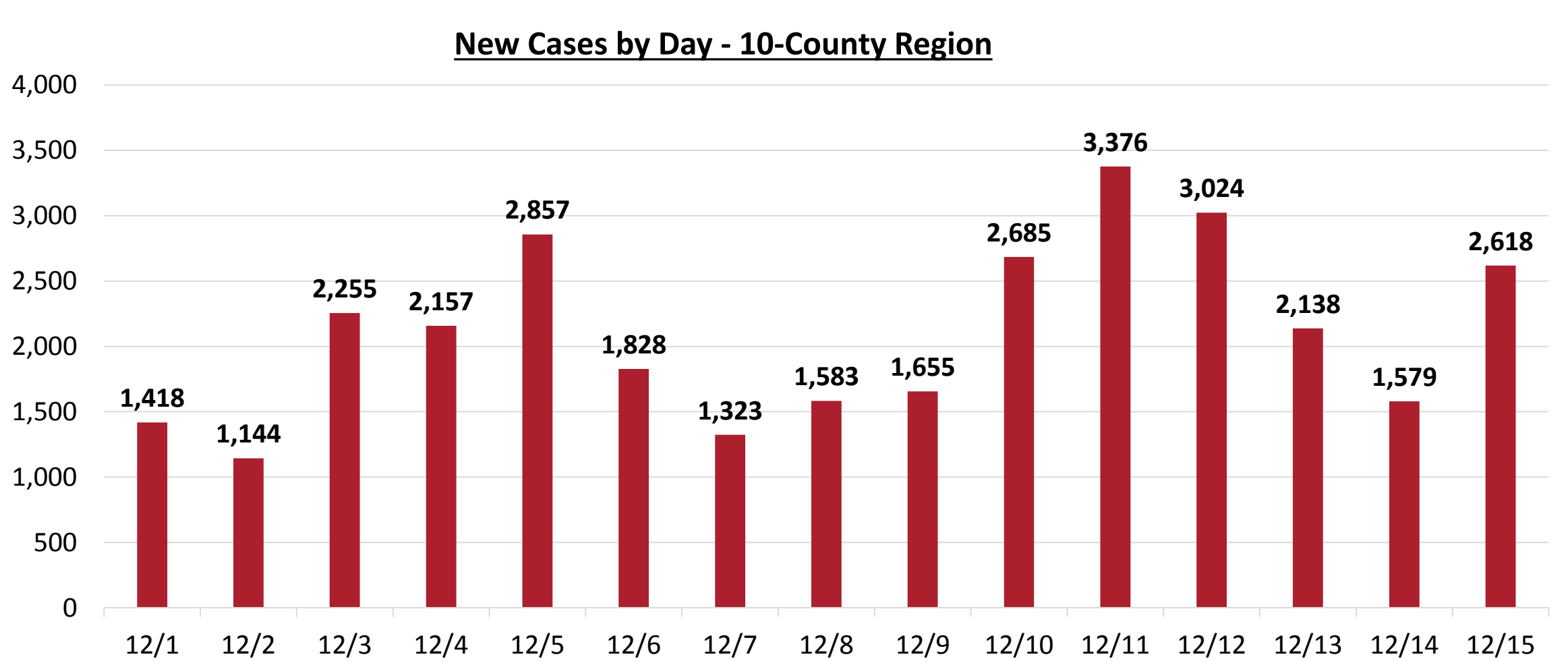Source: Pennsylvania Department of Health

12/15/20

Daily new cases have increased from 14 days prior, with the most dramatic changes occurring in Fayette (324%), Westmoreland (172%), and Greene (100%) counties.

Daily New Cases by Geography by Date															
	12/1	12/2	12/3	12/4	12/5	12/6	12/7	12/8	12/9	12/10	12/11	12/12	12/13	12/14	12/15	14 Day Change
Pennsylvania	5,676	8,291	11,406	11,763	12,884	8,630	6,330	10,170	8,703	11,972	12,745	11,084	10,684	7,962	9,556	+68.4%
10-County	1,418	1,144	2,255	2,157	2,857	1,828	1,323	1,583	1,655	2,685	3,376	3,024	2,138	1,579	2,618	+84.6%
Allegheny	603	508	1,028	911	1,197	854	616	693	727	1,166	1,322	1,198	897	750	1,059	+75.6%
Armstrong	44	26	30	84	73	27	50	46	41	65	57	74	52	37	51	+15.9%
Beaver	103	91	204	132	289	117	76	83	187	207	212	327	119	85	140	+35.9%
Butler	133	85	144	193	168	113	94	68	172	203	245	170	213	110	177	+33.1%
Fayette	68	77	88	103	229	167	76	172	64	267	342	278	169	106	288	+323.5%
Greene	10	22	13	44	41	32	5	15	15	26	55	41	56	25	20	+100.0%
Indiana	60	33	52	88	96	61	37	53	50	36	87	60	74	22	73	+21.7%
Lawrence	86	38	111	62	94	56	50	69	90	69	105	102	63	41	52	-39.5%
Washington	112	81	185	128	233	116	82	131	112	141	294	206	124	108	216	+92.9%
Westmoreland	199	183	400	412	437	285	237	253	197	505	657	568	371	295	542	+172.4%

Source: Pennsylvania Department of Health

12/15/20

For the region, daily new cases have increased 85% from December 1 to December 15.

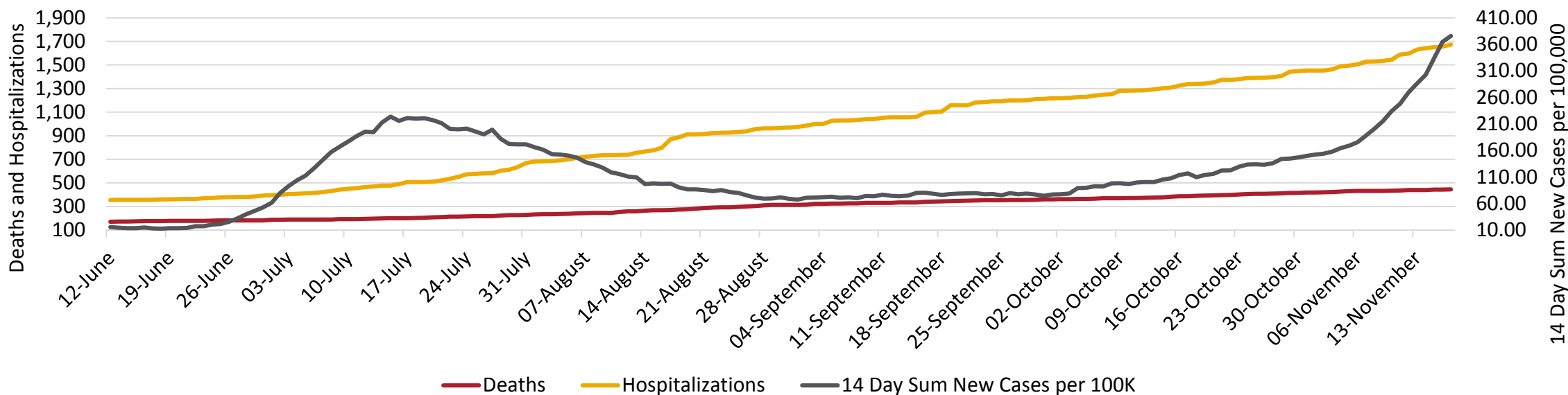**New Cases by Day - 10-County Region**

Source: Pennsylvania Department of Health

In Allegheny County, new cases over the past 14 days per 100,000 increased from 669 on Monday, December 1 to 1,055 on Monday, December 15. The 14-day increase in the rate of COVID-19 between December 1 and December 15 was 58%, part of a larger upward trend of 216% from November 15. The number of new cases has increased, as have hospitalizations, though hospitalizations is at a lower rate.

Allegheny County – Change in Deaths, Hospitalizations, and New Cases since November 15					
County	Sunday, November 15	Monday, December 1	Monday, December 15	14-Day Change	One-Month Change
Deaths	443	518	717	38.4%	61.9%
Hospitalizations	1,650	2,083	2,580	23.9%	56.4%
Fourteen Day Sum New Cases per 100,000	333.40	668.51	1,054.70	57.8%	216.3%

COVID-19 Statistics in Allegheny County

Legend: Deaths — Hospitalizations — 14 Day Sum New Cases per 100K

12/15/20

Report produced by the Allegheny Conference on Community Development

Data sources include Allegheny County Health Department, Pennsylvania Department of Health and Johns Hopkins Coronavirus Resource Center

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