COVID-19 Data Summary for the Southwestern Pennsylvania Region
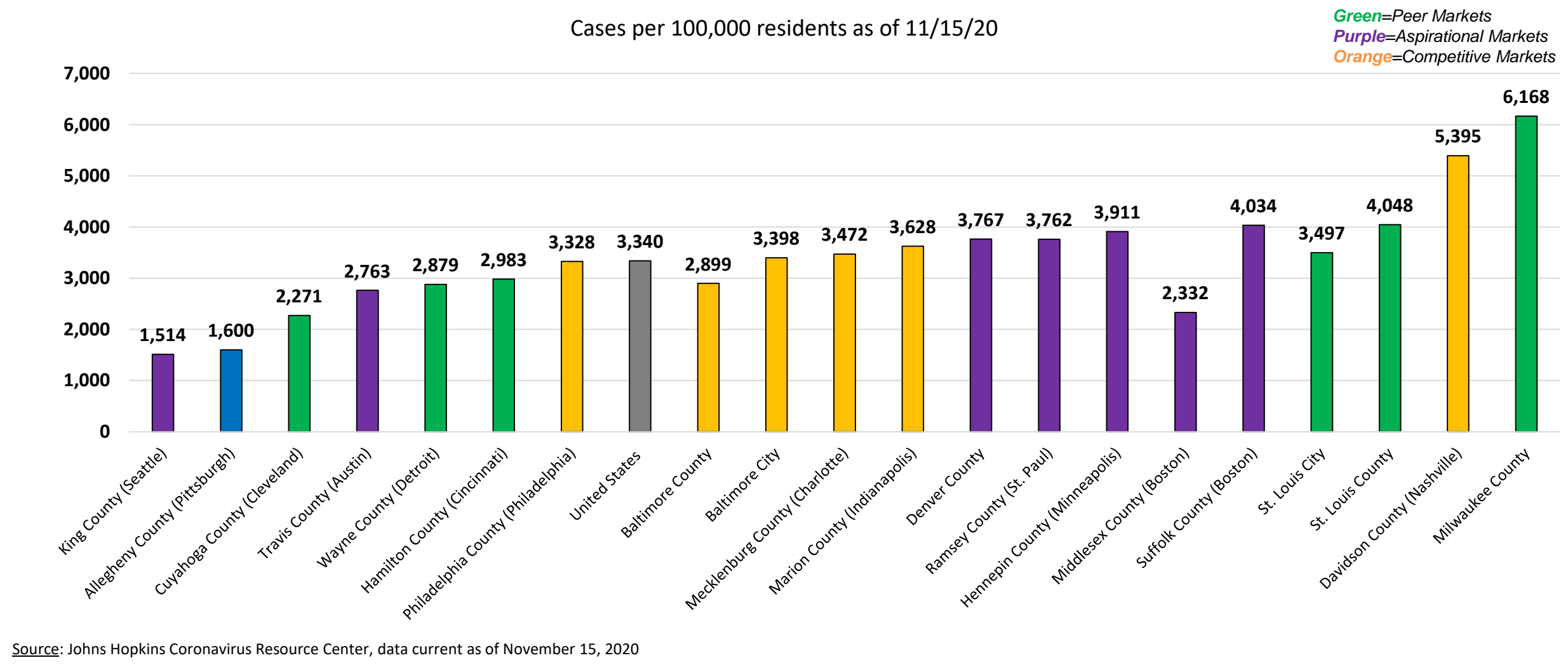## Periods covering October to November
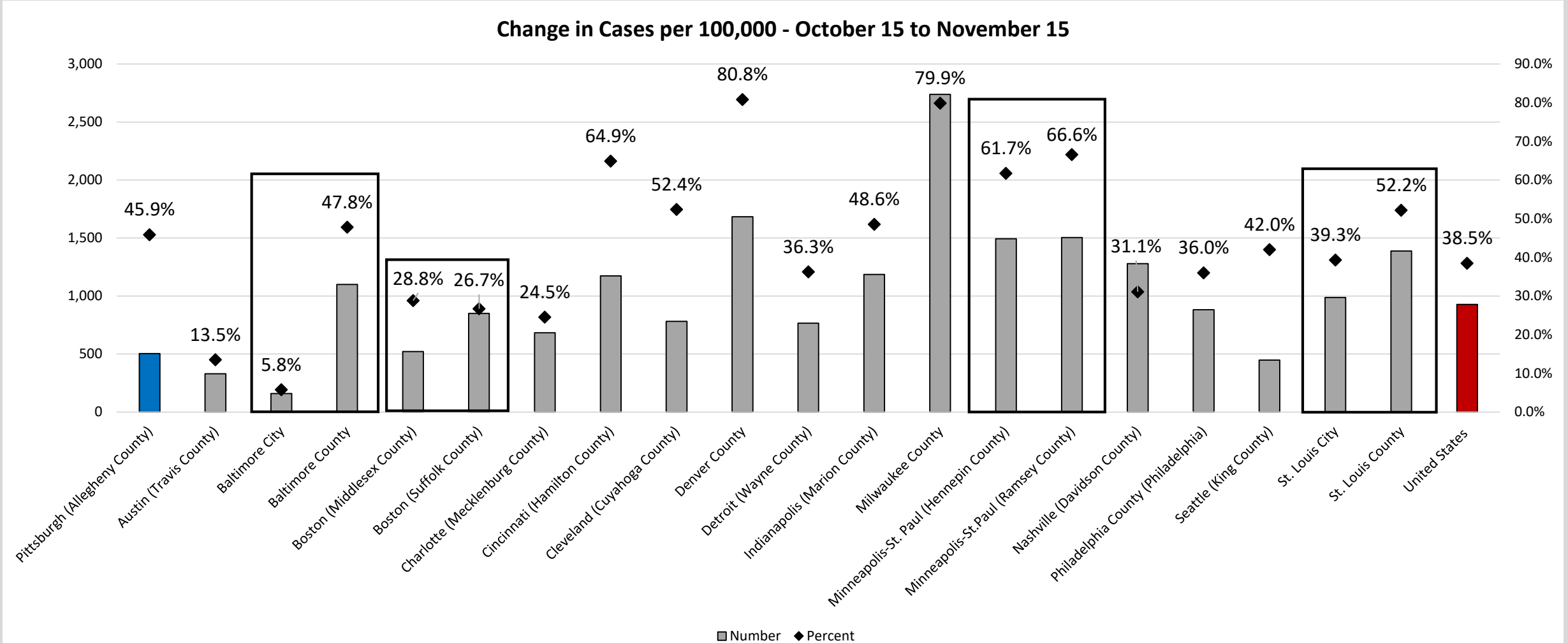
November 17, 2020

Key Takeaways

- As of Monday, November 15, Allegheny County's rate of COVID-19 cases per 100,000 residents remains less than half the national rate.

- From September to October, the increase in the number of cases per 100,000 in Allegheny County was less than the U.S. and compared favorably against 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 (11/3 to 11/17) has increased 109.0%. Greene, Beaver, and Allegheny have seen the largest increases.

- Daily new cases for the region have increased 123.7% from 11/3 to 11/17.

- In Allegheny County, hospitalizations have increased 14.4% between 11/3 and 11/17, which is an increase from the 14-day hospitalization increase of 7.5% reported in the previous analysis released 10/15/20 analyzing the period between 10/1 and 10/15.

Allegheny County still compares favorably to its benchmark regions in terms of COVID-19 infection rates, although Seattle ranks lower. However, Allegheny County's rate remains less than half the national rate.

Cases per 100,000 residents as of 11/15/20

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

Region	Cases per 100,000
King County (Seattle)	1,514
Allegheny County (Pittsburgh)	1,600
Cuyahoga County (Cleveland)	2,271
Travis County (Austin)	2,763
Wayne County (Detroit)	2,879
Hamilton County (Cincinnati)	2,983
Philadelphia County (Philadelphia)	3,328
United States	3,340
Baltimore County	2,899
Baltimore City	3,398
Mecklenburg County (Charlotte)	3,472
Marion County (Indianapolis)	3,628
Denver County	3,767
Ramsey County (St. Paul)	3,762
Hennepin County (Minneapolis)	3,911
Middlesex County (Boston)	2,332
Suffolk County (Boston)	4,034
St. Louis City	3,497
St. Louis County	4,048
Davidson County (Nashville)	5,395
Milwaukee County	6,168

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

On an absolute basis, the increase in the number of cases per 100,000 in Allegheny County from October to November was roughly half the U.S. and was lower than all but two benchmark regions (Austin and Seattle). Furthermore, the percentage increase in cases per 100,000 ranked in the middle of the benchmark regions although it exceeded the national average.
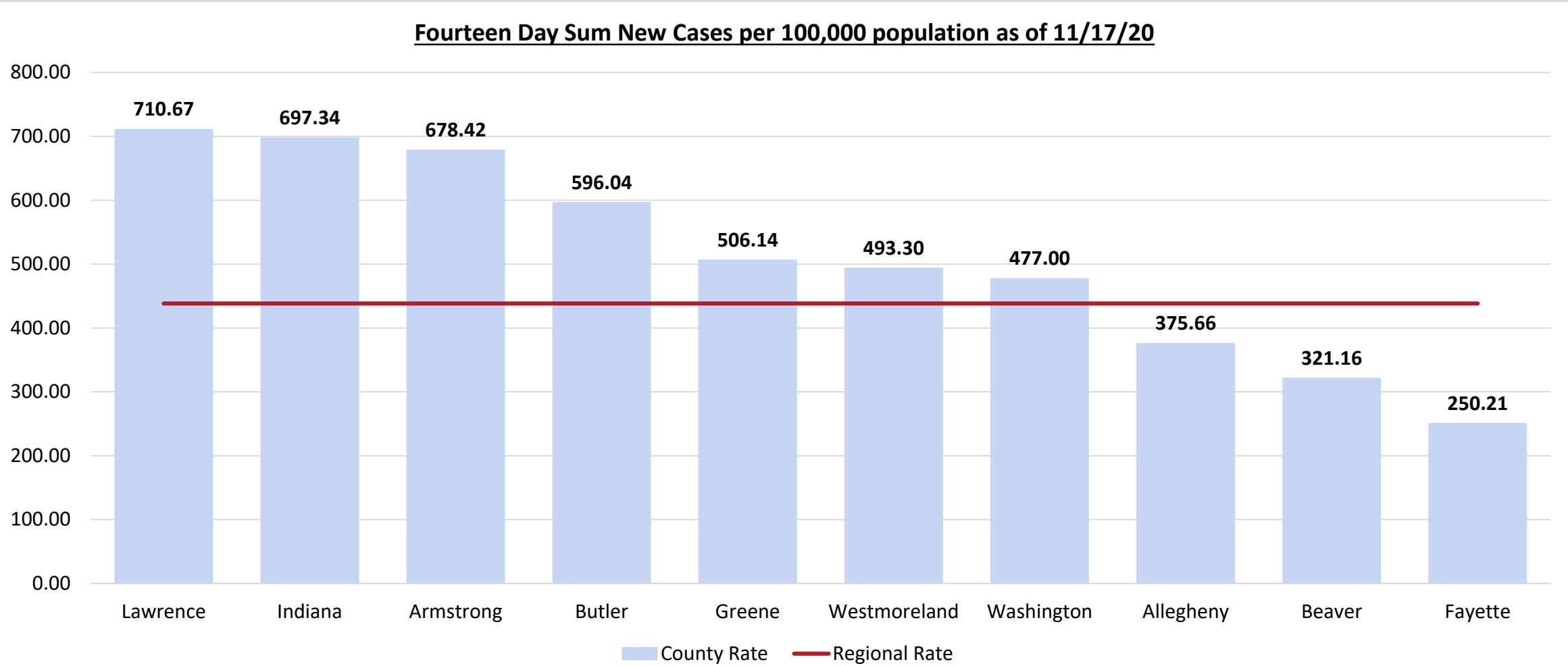

Change in Cases per 100,000 - October 15 to November 15

Legend: □ Number ◆ Percent

11/17/20

All counties in the region have increased new cases of COVID-19 per 100,000 in the fourteen-day period between November 3 and November 17. The regional rate of growth of COVID-19 per 100,000 exceeds the state (109% to 102%). However, six 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															
	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	14 Day Change
Pennsylvania	234.53	245.24	251.78	260.89	276.46	286.18	301.78	314.37	333.78	359.47	382.06	405.83	431.56	450.44	474.09	+102.1%
10-County	209.79	219.59	222.18	227.55	242.53	256.02	269.74	288.48	307.39	332.48	348.68	365.58	395.10	419.18	438.39	+109.0%
Allegheny	157.72	164.33	168.90	175.51	188.32	201.05	215.49	234.34	247.97	269.43	286.15	302.15	333.40	364.40	375.66	+138.2%
Armstrong	361.82	384.44	413.08	414.59	437.20	456.80	485.44	468.86	530.67	553.29	595.50	627.16	646.76	667.86	678.42	+87.5%
Beaver	130.62	150.39	138.41	142.00	150.99	156.98	157.58	176.76	219.90	247.46	270.83	273.82	300.19	299.59	321.16	+145.9%
Butler	299.09	298.02	285.15	293.19	346.79	378.42	403.07	436.84	463.64	489.37	500.63	530.11	540.83	547.80	596.04	+99.3%
Fayette	121.70	135.31	141.36	136.07	136.07	146.65	145.14	157.23	172.35	172.35	182.18	196.54	210.15	235.09	250.21	+105.6%
Greene	185.76	204.61	236.92	255.76	290.76	309.61	312.30	347.30	355.37	390.37	406.53	425.37	481.91	511.52	506.14	+172.5%
Indiana	346.34	359.16	415.14	423.30	432.63	443.12	459.45	506.09	546.91	574.89	597.05	618.04	644.86	679.84	697.34	+101.3%
Lawrence	323.87	389.10	406.26	429.15	479.50	490.95	511.55	547.02	582.50	625.99	647.73	661.46	683.21	677.49	710.67	+119.4%
Washington	257.29	271.26	285.24	279.94	292.46	303.06	325.23	332.94	340.65	369.55	375.34	381.60	425.45	442.31	477.00	+85.4%
Westmoreland	297.96	298.24	276.53	281.61	282.73	295.14	303.59	316.84	330.09	367.58	381.96	405.92	440.03	469.34	493.30	+65.6%

Source: Pennsylvania Department of Health

As of Tuesday, November 17, regionally, there are 438 new cases of COVID-19 per 100,000 since November 3. Only Allegheny, Beaver, and Fayette counties are below the regional rate of 438.
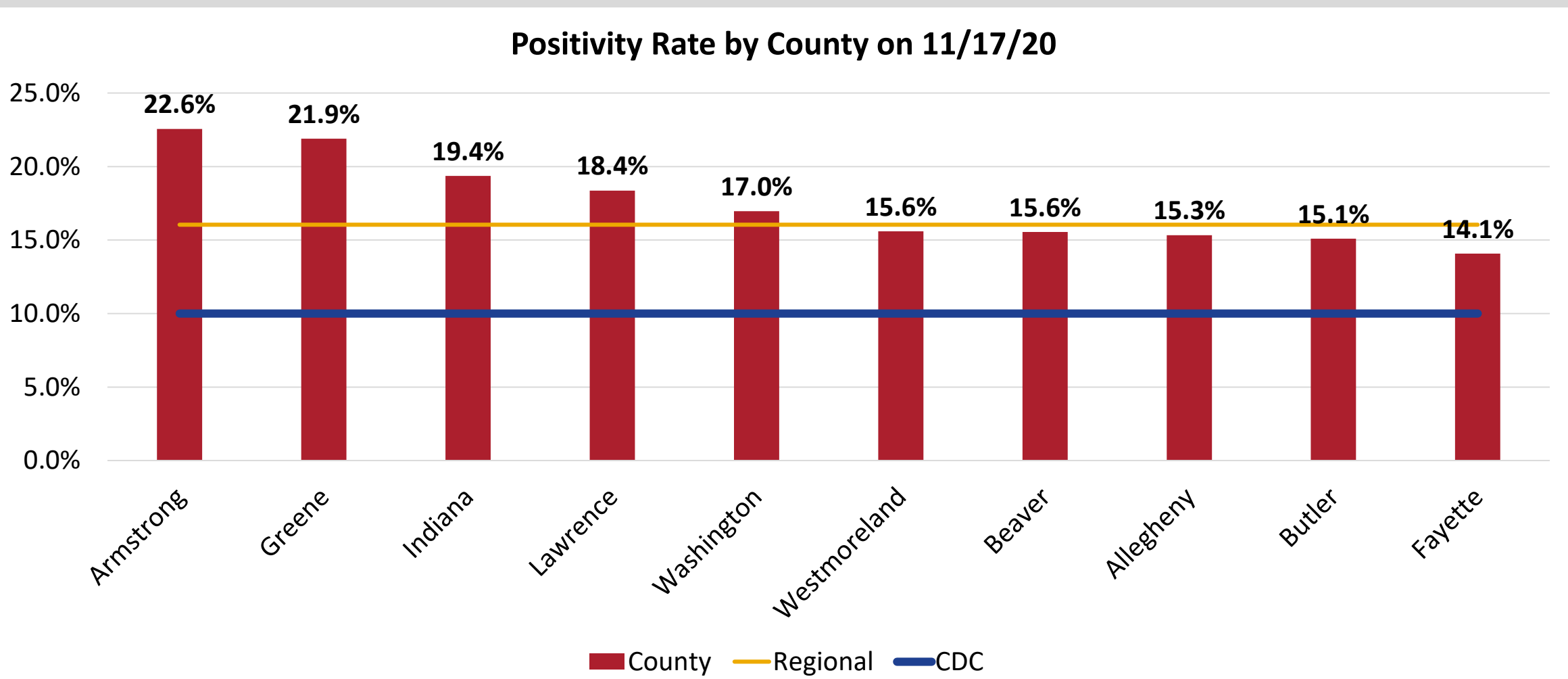
Fourteen Day Sum New Cases per 100,000 population as of 11/17/20

County	Rate
Lawrence	710.67
Indiana	697.34
Armstrong	678.42
Butler	596.04
Greene	506.14
Westmoreland	493.30
Washington	477.00
Allegheny	375.66
Beaver	321.16
Fayette	250.21

Legend: County Rate — Regional Rate

11/17/20

On Tuesday, November 17, regionally there are 438 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 the earlier peak of 158 on July 19th. The region exceeded that high point on October 22nd with 161 new cases of COVID-19 per 100,000 people over the 14 days prior.

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

Source: Pennsylvania Department of Health
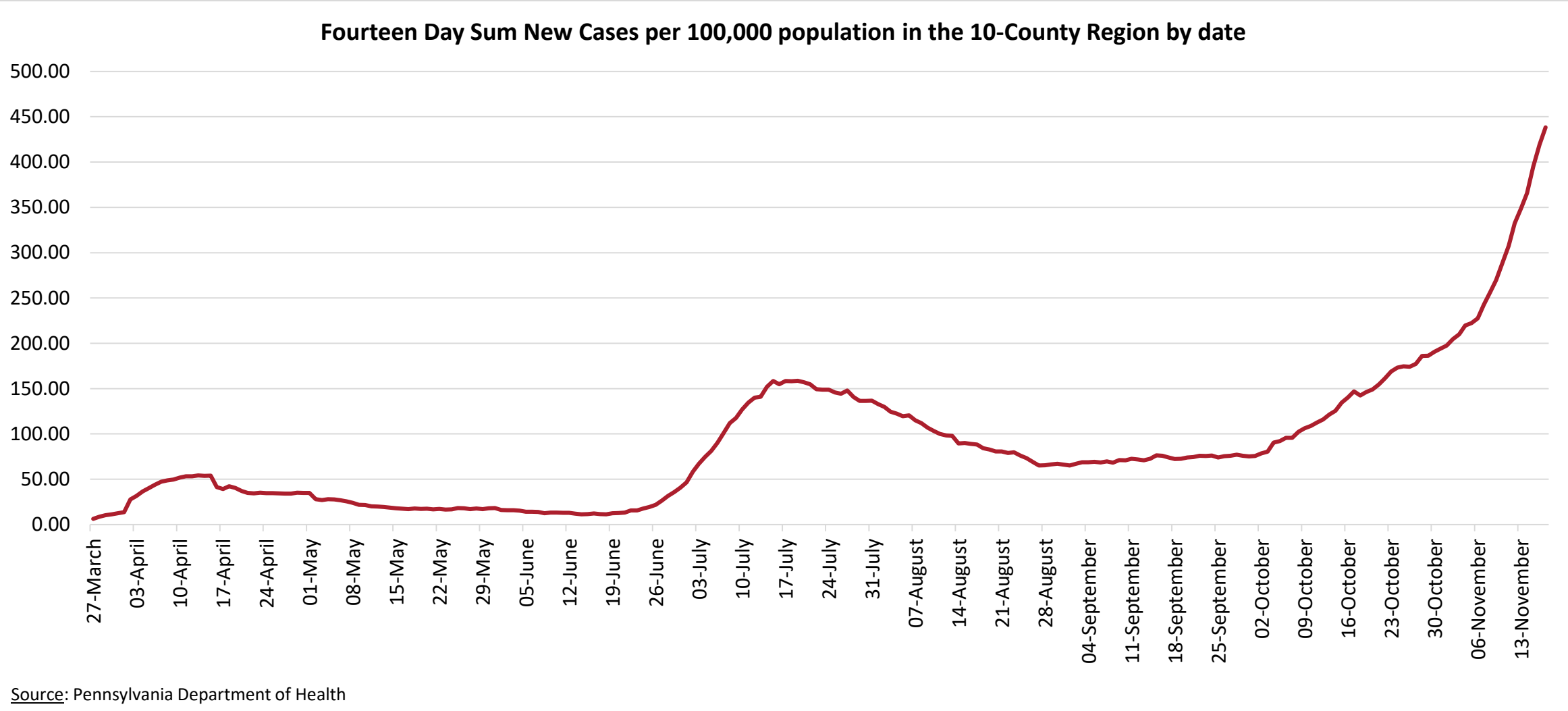
In May 2020, the Centers for Disease Control and Prevention advised that rates of positivity in testing (percentage of tests that are positive for COVID-19) should remain at 10% or lower for at least 14 days before moving to a less restricted phase of daily activities (ex. business conduct, school attendance). The positivity rate for the region on 11/17/20 is 16%.

Positivity Rate by County on 11/17/20

County	Positivity Rate
Armstrong	22.6%
Greene	21.9%
Indiana	19.4%
Lawrence	18.4%
Washington	17.0%
Westmoreland	15.6%
Beaver	15.6%
Allegheny	15.3%
Butler	15.1%
Fayette	14.1%

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.

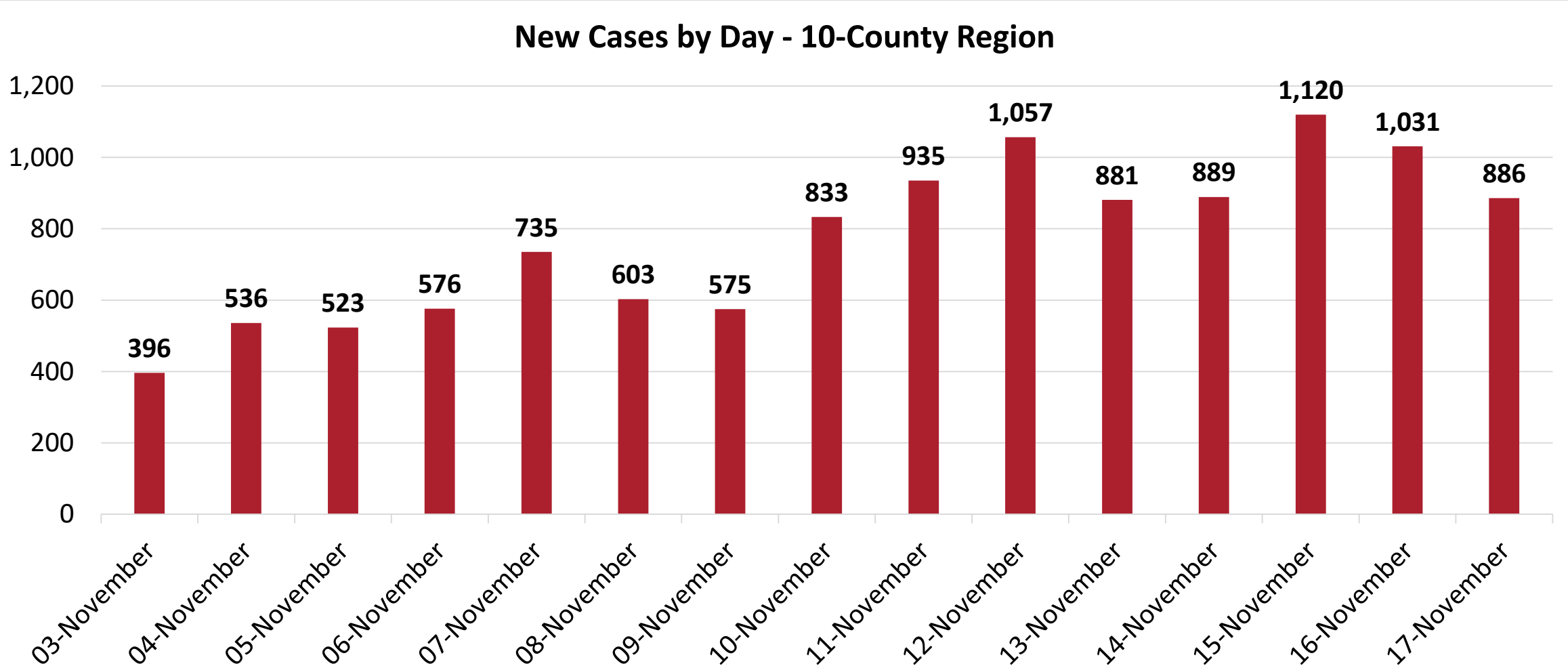Source: Pennsylvania Department of Health

11/17/20

Daily new cases have increased from 14 days prior, with the most dramatic change occurring in Butler (257%), Beaver (240%), and Washington (160%)

Daily New Cases by Geography by Date															
	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	14 Day Change
Pennsylvania	2,875	2,795	2,900	3,384	4,035	2,909	3,402	4,361	4,711	5,488	5,531	5,551	5,199	4,476	5,900	+105.2%
10-County	396	536	523	576	735	603	575	833	935	1,057	881	889	1,120	1,031	886	+123.7%
Allegheny	150	200	189	239	288	260	250	337	366	412	378	370	527	500	288	+92.0%
Armstrong	19	18	31	21	31	20	29	24	50	40	43	51	30	36	26	+36.8%
Beaver	15	35	23	13	37	15	6	41	87	59	58	28	62	21	51	+240.0%
Butler	35	23	17	66	124	82	67	101	90	93	69	101	72	82	125	+257.1%
Fayette	14	27	20	10	14	19	7	20	33	16	29	29	31	42	34	+142.9%
Greene	9	8	14	8	15	8	5	17	12	17	18	14	26	19	7	-22.2%
Indiana	18	18	69	41	31	31	21	47	57	53	51	45	48	53	33	+83.3%
Lawrence	21	69	39	43	64	30	27	47	45	62	30	45	29	41	50	+138.1%
Washington	45	48	65	53	55	35	67	80	57	98	86	51	108	70	117	+160.0%
Westmoreland	70	90	56	82	76	103	96	119	138	207	119	155	187	167	155	+121.4%

Source: Pennsylvania Department of Health

11/17/20

For the region, daily new cases have increased 123% from November 3 to November 17.

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 157 on Tuesday, November 3 to 375 on Tuesday, November 17. The 14-day increase in the rate of COVID-19 between November 3 and November 17 was 138%, part of a larger upward trend of 221% from October 17. 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 3					
County	Saturday, October 17	Tuesday, November 3	Tuesday, November 17	14-Day Change	One-Month Change
Deaths	387	423	445	5.2%	15.0%
Hospitalizations	1,338	1,463	1,673	14.4%	25.0%
Fourteen Day Sum New Cases per 100,000	116.84	157.72	375.66	138.2%	221.5%

COVID-19 Statistics in Allegheny County

Deaths and Hospitalizations

14 Day Sum New Cases per 100,000

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

Source: Pennsylvania Department of Health, Allegheny County Health Department

11/17/20
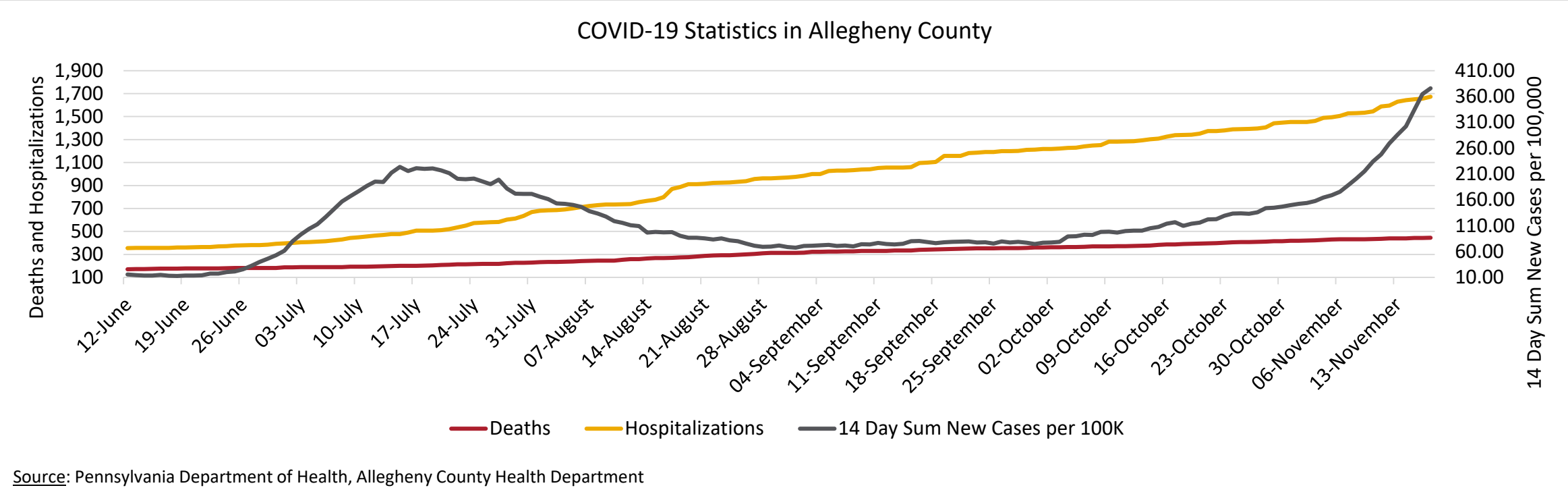
Report produced by the Allegheny Conference on Community Development

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

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