

COVID-19 Cases by County in Two States With Highest Current Per Capita Infection Rates – Washington and New York

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Introduction

- Over the next few business days we will provide daily data reports on the progression of the COVID-19 in the USA.
- Yesterday's edition showed state-by-state per capita rates of confirmed cases per 100,000 population. These data showed Washington State to have the highest rate (11.9) followed by New York (4.9) and the District of Columbia (3.1). The USA-wide rate (excluding territories) as of March 16 was 1.3 cases per 100,000 population.
- This edition focuses on the distribution of cases in Washington State and New York State by county.
- Given the particular danger the virus poses to seniors, we have also shown the number and proportion of Medicare beneficiaries in each county.
- Each state's counties are ranked by proportion of the total population confirmed as having COVID-19, and by the proportion of the total population receiving Medicare coverage.
 - The top 10 counties on each of these rankings are flagged in yellow highlighting
- Note that the virus is spreading rapidly in many areas, and that many (quite possibly most) currently infected persons in the USA have not yet become confirmed cases.

Washington State COVID-19 Dynamics

- Washington has by far the nation's largest per capita rate of confirmed infections (more than double the next-highest state).
- Washington's confirmed infections count increased from 909 on March 16 to 1,013 on March 17 (an 11% rise).
- King County, which includes Seattle, has 56% of all confirmed cases in the State as of March 17. King County's per capita infection rate is also quite high – 25.5 cases per 100,000 population versus the statewide average of 13.4.
- Snohomish County, with 254 confirmed cases, has the State's highest per capita infection rate (31.2 cases per 100,000 persons).
- Nearly half of Washington's counties (18 of 39) do not yet have any confirmed cases.
- 19.2% of Washington's population are Medicare enrollees, just under the national average of 20.3%. However, many Washington counties have very high proportions of seniors (led by Jefferson County where 44.3% of the population is covered by Medicare). Such areas may be at the greatest per capita death rate risk if the virus cannot be effectively contained in these communities.
- County-specific tabulations are presented on the ensuing two slides.

Washington State Table 1 of 2: Adams through Lewis Counties

County	Total Population, 2018	Medicare Enrollees, August 2019	Confirmed COVID-19 Cases, March 17 pm	COVID-19 Deaths, March 17 pm	Confirmed Cases per 100,000 Population	County Rank, Cases per 100,000 Population	Deaths Per Confirmed Case	Medicare Enrollees as % of Total Population	County Rank, Medicare Enrollees as % of Total Population
Adams	19,759	2,779	0	0	-	22	na	14.1%	37
Asotin	22,610	6,784	0	0	-	22	na	30.0%	13
Benton	201,877	37,656	0	0	-	22	na	18.7%	31
Chelan	77,036	18,727	2	0	2.6	13	0%	24.3%	21
Clallam	76,737	28,355	0	0	-	22	na	37.0%	4
Clark	481,857	93,826	4	2	0.8	20	50%	19.5%	30
Columbia	4,059	1,415	1	0	24.6	3	0%	34.9%	6
Cowlitz	108,987	28,172	1	0	0.9	19	0%	25.8%	19
Douglas	42,907	8,857	0	0	-	22	na	20.6%	28
Ferry	7,649	2,521	0	0	-	22	na	33.0%	7
Franklin	94,347	11,484	0	0	-	22	na	12.2%	39
Garfield	2,247	719	0	0	-	22	na	32.0%	10
Grant	97,331	16,988	7	1	7.2	7	14%	17.5%	34
Grays Harbor	73,901	21,769	1	0	1.4	17	0%	29.5%	15
Island	84,460	25,170	14	0	16.6	4	0%	29.8%	14
Jefferson	31,729	14,061	3	0	9.5	5	0%	44.3%	1
King	2,233,163	341,444	569	43	25.5	2	8%	15.3%	36
Kitsap	269,805	59,331	7	0	2.6	14	0%	22.0%	25
Kittitas	47,364	9,438	3	0	6.3	9	0%	19.9%	29
Klickitat	22,107	6,719	1	0	4.5	11	0%	30.4%	11
Lewis	79,604	22,373	1	0	1.3	18	0%	28.1%	17

Washington State Table 2 of 2: Lincoln through Yakima Counties

County	Total Population, 2018	Medicare Enrollees, August 2019	Confirmed COVID-19 Cases, March 17 pm	COVID-19 Deaths, March 17 pm	Confirmed Cases per 100,000 Population	County Rank, Cases per 100,000 Population	Deaths Per Confirmed Case	Medicare Enrollees as % of Total Population	County Rank, Medicare Enrollees as % of Total Population
Lincoln	10,740	3,472	1	0	9.3	6	0%	32.3%	9
Mason	65,507	19,200	0	0	-	22	na	29.3%	16
Okanogan	42,132	11,504	0	0	-	22	na	27.3%	18
Pacific	22,036	8,878	0	0	-	22	na	40.3%	2
Pend Oreille	13,602	4,413	0	0	-	22	na	32.4%	8
Pierce	891,299	161,867	45	0	5.0	10	0%	18.2%	32
San Juan	17,128	6,402	0	0	-	22	na	37.4%	3
Skagit	128,206	33,116	9	0	7.0	8	0%	25.8%	20
Skamania	11,924	2,854	0	0	-	22	na	23.9%	22
Snohomish	814,901	136,525	254	6	31.2	1	2%	16.8%	35
Spokane	514,631	109,906	4	0	0.8	21	0%	21.4%	27
Stevens	45,260	13,724	0	0	-	22	na	30.3%	12
Thurston	286,419	64,195	5	0	1.7	16	0%	22.4%	24
Wahkiakum	4,426	1,632	0	0	-	22	na	36.9%	5
Walla Walla	60,922	13,903	0	0	-	22	na	22.8%	23
Whatcom	225,685	48,564	6	0	2.7	12	0%	21.5%	26
Whitman	49,791	6,436	0	0	-	22	na	12.9%	38
Yakima	251,446	44,411	5	0	2.0	15	0%	17.7%	33
Unassigned			70	0					
Total	7,535,591	1,449,590	1,013	52	13.4		5.1%	19.2%	

New York State COVID-19 Dynamics

- New York has the largest number of confirmed cases of any state, but also has a very high *per capita* rate of infection -- second-highest in the nation behind only Washington State.
- While the per capita rate of infection is higher in New York City than in the remainder of the State, the “upstate” counties collectively also have a very high rate of per capita infection – 6.6 per 100,000 residents versus a national average of less than 2.0.
- Nearly half of New York State’s counties (30 of 62) do not yet have any confirmed cases.
- 19.5% of New York State’s population are Medicare enrollees, just under the national average of 20.3%. However, many New York counties have very high proportions of seniors (led by St. Lawrence County where 71% of the population is covered by Medicare). Such areas may be at the greatest per capita death rate risk if the virus cannot be effectively contained in these communities.
- County-specific tabulations are presented on the ensuing three slides.

County	Total Population, 2018	Medicare Enrollees, August 2019	Confirmed COVID-19 Cases, March 17 pm	COVID-19 Deaths, March 17 pm	Confirmed Cases per 100,000 Population	Deaths Per Confirmed Case	Medicare Enrollees as % of Total Population
Statewide Total	19,542,209	3,810,557	1,544	12	7.9	0.8%	19.5%
Subtotal, 5 Boroughs NYC	8,398,748	1,396,240	814	7	9.7	0.9%	16.6%
Subtotal, Upstate	11,143,461	2,414,317	730	5	6.6	0.7%	21.7%
NYC as % of Statewide Total	43.0%	36.6%	52.7%	58.3%			

New York’s case count as of March 17 was obtained from two separate sources, with the most recent (within the day) being New York City figures. New York City had roughly 50% of statewide cases per an earlier source, but 56% of all cases in the figures we are reporting by county on the ensuing slides. (This difference could be due to the time of day reporting difference and the speed at which new cases are being confirmed). Death counts were identified in an aggregated manner and not at the county level.

New York State Table 1 of 3: Albany through Kings Counties

County	Total Population, 2018	Medicare Enrollees, August 2019	Confirmed COVID-19 Cases, March 17 pm	Confirmed Cases per 100,000 Population	County Rank, Cases per 100,000 Population	Medicare Enrollees as % of Total Population	County Rank, Medicare Enrollees as % of Total Population
Albany	307,117	64,194	23	7.5	7	20.9%	45
Allegany	46,430	11,046	2	4.3	14	23.8%	30
Bronx	1,432,132	222,281	96	6.7	9	15.5%	59
Broome	191,659	46,472	1	0.5	31	24.2%	25
Cattaraugus	76,840	19,151	0	-	33	24.9%	18
Cayuga	77,145	17,181	0	-	33	22.3%	36
Chautauqua	127,939	32,092	0	-	33	25.1%	17
Chemung	84,254	20,894	0	-	33	24.8%	21
Chenango	47,536	12,624	0	-	33	26.6%	11
Clinton	80,695	19,215	1	1.2	27	23.8%	29
Columbia	59,916	16,516	0	-	33	27.6%	6
Cortland	47,823	9,925	0	-	33	20.8%	47
Delaware	44,527	12,220	1	2.2	18	27.4%	7
Dutchess	293,718	62,980	16	5.4	12	21.4%	43
Erie	919,719	202,620	7	0.8	29	22.0%	38
Essex	37,300	10,060	0	-	33	27.0%	8
Franklin	50,293	11,810	0	-	33	23.5%	32
Fulton	53,591	13,982	0	-	33	26.1%	12
Genesee	57,511	13,735	0	-	33	23.9%	28
Greene	47,491	12,717	2	4.2	15	26.8%	9
Hamilton	4,434	1,739	0	-	33	39.2%	4
Herkimer	61,833	15,600	1	1.6	24	25.2%	16
Jefferson	111,755	21,170	0	-	33	18.9%	52
Kings	2,582,830	394,589	157	6.1	10	15.3%	60

New York State Table 2 of 3: Lewis through Saratoga Counties

County	Total Population, 2018	Medicare Enrollees, August 2019	Confirmed COVID-19 Cases, March 17 pm	Confirmed Cases per 100,000 Population	County Rank, Cases per 100,000 Population	Medicare Enrollees as % of Total Population	County Rank, Medicare Enrollees as % of Total Population
Lewis	26,447	5,734	0	-	33	21.7%	40
Livingston	63,227	14,284	0	-	33	22.6%	35
Madison	70,795	15,259	0	-	33	21.6%	42
Monroe	742,474	161,976	10	1.3	25	21.8%	39
Montgomery	49,455	13,146	1	2.0	22	26.6%	10
Nassau	1,358,343	282,445	131	9.6	4	20.8%	46
New York	1,628,701	301,003	277	17.0	2	18.5%	54
Niagara	210,433	51,534	0	-	33	24.5%	22
Oneida	229,577	54,605	0	-	33	23.8%	31
Onondaga	461,809	98,079	2	0.4	32	21.2%	44
Ontario	109,864	27,341	1	0.9	28	24.9%	19
Orange	381,951	67,931	15	3.9	16	17.8%	55
Orleans	40,612	9,281	0	-	33	22.9%	34
Oswego	117,898	26,238	0	-	33	22.3%	37
Otsego	59,749	15,110	0	-	33	25.3%	15
Putnam	98,892	20,438	2	2.0	21	20.7%	48
Queens	2,278,906	384,017	248	10.9	3	16.9%	57
Rensselaer	159,442	34,474	1	0.6	30	21.6%	41
Richmond	476,179	94,350	36	7.6	6	19.8%	50
Rockland	325,695	60,334	22	6.8	8	18.5%	53
Saratoga	108,047	51,020	9	8.3	5	47.2%	2

Saratoga is among New York's top ten counties both in terms of current per capita COVID-19 infection and the percentage of its total population enrolled in Medicare.

New York State Table 3 of 3: Schenectady through Yates Counties

County	Total Population, 2018	Medicare Enrollees, August 2019	Confirmed COVID-19 Cases, March 17 pm	Confirmed Cases per 100,000 Population	County Rank, Cases per 100,000 Population	Medicare Enrollees as % of Total Population	County Rank, Medicare Enrollees as % of Total Population
Schenectady	230,163	34,287	5	2.2	19	14.9%	61
Schoharie	155,350	7,254	0	-	33	4.7%	62
Schuyler	31,097	5,103	0	-	33	16.4%	58
Seneca	17,912	8,134	0	-	33	45.4%	3
St. Lawrence	34,300	24,506	0	-	33	71.4%	1
Steuben	95,796	23,413	0	-	33	24.4%	23
Suffolk	1,481,093	304,987	84	5.7	11	20.6%	49
Sullivan	75,498	18,399	1	1.3	26	24.4%	24
Tioga	48,560	12,068	1	2.1	20	24.9%	20
Tompkins	102,793	17,759	2	1.9	23	17.3%	56
Ulster	178,599	42,929	8	4.5	13	24.0%	27
Warren	64,265	18,904	0	-	33	29.4%	5
Washington	61,197	14,819	0	-	33	24.2%	26
Wayne	90,064	23,112	0	-	33	25.7%	13
Westchester	967,612	185,937	380	39.3	1	19.2%	51
Wyoming	40,085	9,225	1	2.5	17	23.0%	33
Yates	24,841	6,309	0	-	33	25.4%	14
Statewide Total	19,542,209	3,810,557	1,544	7.9		19.5%	

Westchester County's per capita current infection rate of 39 persons per 100,000 population may be the nation's highest among counties with a large population base.

5 Slide Series Overview

Our 5 Slide Series is typically a monthly publication whereby we briefly discuss/address a selected topic outside the confines of our client engagements. We will provide daily editions over the remainder of this week to share tabulations about the pandemic, and plan on providing weekly editions thereafter through the upcoming months.

To be added to our list to receive these as they are published (or to be removed), please email us at jmenges@themengessgroup.com or call 571-312-2360.

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