

ANALYSIS OF COVID-19 DEATH TOTALS AS OF SATURDAY, 19 MARCH 2022

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JURISDICTIONS IN THE AMERICAN NORTHEAST AND WESTERN EUROPE APPARENTLY AFFECTED BY THE MUCH MORE DEADLY VARIANT OF COVID-19 THAT INITIALLY IMPACTED ITALY. TOTAL COVID-19 DEATHS TO DATE IN ALL JURISDICTIONS WERE ADJUSTED FOR POPULATION AND COMPARED USING THEIR "PHILADELPHIA EQUIVALENTS" (PE's) AS THE GAUGE. "DPM" COLUMN RECORDS CV-19 DEATH-RATES IN DEATHS-PER-MILLION PERSONS PER JURISDICTION.

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	5035	5035	1.00x "The Gauge"	Better or Worse Than PE's 0%	3163
Pennsylvania	12,700,000	44012	40166	1.10 ^x	10 % Better WORSE	3438
Rhode Island	1,000,000	3429	3163	1.08 ^x	8 % Worse	3237
Connecticut	3,700,000	10677	11702	.91 ^x	9 % Better	2995
Massachusetts	6,700,000	20029	21190	.95 ^x	5 % Worse BETTER	2906
New Jersey	9,200,000	33155	29097	1.14 ^x	14 % Worse	3733
New York State	19,500,000	68321	61672	1.11 ^x	11 % Worse	3512
New York City (all boroughs)	8,442,000	40021	26699	1.50 ^x	50 % Worse	4741
Brooklyn	2,600,000	12774	8223	1.55 ^x	55 % Worse	4913
Queens	2,297,000	11810	7265	1.63 ^x	63 % Worse	5141
Bronx	1,440,000	7722	4554	1.70 ^x	70 % Worse	5363
Manhattan	1,630,000	5417	5155	1.05 ^x	5 % Worse	3323
Staten Island	475,000	2298	1502	1.53 ^x	53 % Worse	4838

WEST EUROPEAN JURISDICTIONS APPARENTLY AFFECTED BY THE ITALIAN VARIANT OF CV-19

Ireland	4,938,000	6638	15617	.43 ^x	57 % Better	1319
Netherlands	17,135,000	21785	54193	.40 ^x	60 % Better	1267
France	65,274,000	140841	206441	.68 ^x	32 % Better	2150
Italy	60,462,000	157607	191222	.82 ^x	18 % Better	2613
United Kingdom	67,886,000	163511	214702	.76 ^x	24 % Better	2387
Spain	46,755,000	101703	147871	.69 ^x	31 % Better	2174
Belgium	11,590,000	30510	36656	.83 ^x	17 % Better	2613

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I. WEST EUROPEAN JURISDICTIONS THAT BORDER THE NATIONS MOST AFFECTED BY THE MUCH MORE DEADLY VARIANT OF COVID-19 THAT INITIALLY IMPACTED ITALY.

TOTAL COVID-19 DEATHS TO DATE IN ALL JURISDICTIONS WERE ADJUSTED FOR POPULATION AND COMPARED USING THEIR "PHILADELPHIA EQUIVALENTS" (PEs) AS THE GAUGE. "DPM" COLUMN RECORDS CV-19 DEATH-RATES IN DEATHS-PER-MILLION PERSONS.

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	5035	5035	1.00x "The Gauge"	Better or Worse Than PE's 0%	3163
Portugal	10,197,000	21408	32250	.66 ^x	34% Better	2110
Austria	9,023,000	15387	28537	.54 ^x	46% Better	1692
Slovenia	2,079,000	6435	6575	.98 ^x	2% Better	3095
Germany	83,784,000	127402	264983	.48 ^x	52% Better	1512
Luxembourg	628,000	1010	1986	.51 ^x	49% Better	1570
Switzerland	8,655,000	13467	27373	.49 ^x	51% Better	1537

II. THE NEXT TIER OF WEST EUROPEAN NATIONS COMPARED TO THEIR PHILADELPHIA EQUIVALENTS AND THEIR CV-19 DEATH-RATES IN DEATHS-PER-MILLION PERSONS TO DATE.

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Iceland	364,000	91	1151	.08 ^x	92% Better	264
Denmark	5,792,000	5375	18318	.29 ^x	71% Better	922
Norway	5,415,000	2169	17126	.13 ^x	87% Better	395
Sweden *(See Text Note)	10,090,000	18020	31912	.56 ^x	44% Better	1765
Finland	5,541,000	2783	17524	.16 ^x	84% Better	501
Estonia	1,327,000	2385	4197	.57 ^x	43% Better	1796
Latvia	1,879,000	5507	5943	.93 ^x	7% Better	2976
Lithuania	2,709,000	8716	8568	1.02 ^x	2% Worse	3280
Kaliningrad, Russia	995,000	1730	3147	.55 ^x	45% Better	1739
Poland	37,833,000	114206	119654	.95 ^x	5% Better	3023
Czechia	10,716,000	39352	33891	1.16 ^x	16% Worse	3663
Slovakia	5,461,000	19093	17271	1.11 ^x	11% Worse	3494

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I. EURASIAN - FOLLOWED BY U.S. - JURISDICTIONS APPARENTLY AFFECTED BY THE FAR LESS DEADLY WUHAN VARIANT OF COVID-19 WERE ADJUSTED FOR POPULATION AND COMPARED TO THEIR "SAN FRANCISCO EQUIVALENTS" (SFEs) AS THE GAUGE. "DPM" COLUMN RECORDS CV-19 DEATH-RATES IN DEATHS-PER-MILLION PERSONS IN EACH JURISDICTION.

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	SAN FRANCISCO EQUIVALENT	SFE SCORE MULTIPLIER	SFE SCORE PERCENTAGE	DPM
San Francisco, California	900,000	833	833	1.00x "The Gauge"	Better or Worse Than SFE's 0%	926
Mainland China (All Provinces)	1,438,510,000	4,636 4638	1331421	.0035 ^x = 99.65% (3.33% BEFORE)	% Better	3 ✓
Hubei Province China	58,500,000	4,512 ✓ (97.3% of PRC)	54145	.08 ^x	92 % Better	77 ✓
Beijing Province China	20,463,000	9 ✓	18940	.0005 ^x	99.95 % Better	.44 ✓
Taiwan, China (Distinct Data)	23,842,000	853	22067	.04 ^x	96 % Better	38
South Korea	51,262,000	12101	47446	.26 ^x	74 % Better	236
Japan	126,476,000	26919	117061	.23 ^x	77 % Better	214
Iran	82,914,000	139550	76742	1.82 ^x	82 % Worse	1626
Russian Federation	145,934,000	364058	135070	2.70 ^x	170 % Worse	2493

II. US WEST COAST JURISDICTIONS COMPARED TO THEIR SAN FRANCISCO EQUIVALENTS

Oregon	4,220,000	6971	3906	1.78 ^x	78 % Worse	1653
Multnomah County, OR	813,000	1108	752	1.47 ^x	47 % Worse	1363
California	40,000,000	88190	37022	2.38 ^x	138 % Worse	2232
Los Angeles County, CA	10,079,000	31443	9329	3.37 ^x	237 % Worse	3120
Washington State	7,615,000	12333	7048	1.75 ^x	75 % Worse	1620
King County, WA	2,204,000	2659	2040	1.30 ^x	30 % Worse	1206
Snohomish County, WA	822,000	1097	761	1.44 ^x	44 % Worse	1335
Pierce County, WA	905,000	1362	838	1.63 ^x	63 % Worse	1505
Yakima County, WA	251,000	764	232	3.29 ^x	229 % Worse	3044
Benton County, WA	205,000	462	190	2.43 ^x	143 % Worse	2254
Franklin County, WA	96,000	210	89	2.36 ^x	136 % Worse	2188
Six Peninsula Counties of WA	900,000	1290	833	1.55 ^x	55 % Better WORSE	1433
Hawaii	1,416,000	1368	1311	1.04 ^x	4 % Better WORSE	966
WASHINGTON COUNTY, OR	602,000	538	557	.97	3 % BETTER	894

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ADDITIONAL JURISDICTIONS - ANALYZED USING THEIR PHILADELPHIA EQUIVALENTS

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	5035	5035	1.00x "The Gauge"	Better or Worse Than PE's 0%	3163
Peru	33,422,000	211751	105703	2.00 ^x	100% Worse	6273
Hungary	9,636,000	44961	30476	1.46 ^x	46% Worse	4674
Kosovo	1,810,000	3127	5724	.55 ^x	45% Better	1728
Bulgaria	6,876,000	36266	21747	1.67 ^x	67% Worse	5287

ADDITIONAL JURISDICTIONS - ANALYZED USING THEIR SAN FRANCISCO EQUIVALENTS

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	SAN FRANCISCO EQUIVALENT	SFE SCORE MULTIPLIER	SFE SCORE PERCENTAGE	DPM
San Francisco, California	900,000	833	833	1.00x "The Gauge"	Better or Worse Than SFE's 0%	926
New Zealand	5,002,000	144	4630	.03 ^x	97% Better	29
Australia	25,796,000	5722	23876	.24 ^x	76% Better	220
Singapore	5,896,000	1191	5457	.22 ^x	78% Better	201
India	1,398,568,000	576381	1294452	.40 ^x	60% Better	368

SIX WASHINGTON PENINSULA COUNTIES PLUS GIG HARBOR AND THE KEY PENINSULA (TOTAL POPULATION FOR ALL IS ABOUT 900,000 PERSONS - EQUAL TO SAN FRANCISCO)

JURISDICTION OR AREA	TOTAL CV-19 DEATHS	DEATH-RATES IN DEATHS-PER-MILLION
Thurston County	397	1364
Mason County	135	2045
Kitsap County	330	1213
Clallam County	134	1740
Jefferson County	28	875
Grays Harbor County	195	2600
Gig Harbor Area	52	816
Key Peninsula Area	19	~
TOTAL	1290	1433

COMBINED POPULATION 87,000

COMBINED DEATH RATE

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BASIC DATA FOR THE UNITED STATES

CURRENT COVID DAILY DEATH RATE PER MILLION FOR THE PAST WEEK = 1.76

USA POP = 333,000,000	TOTAL CV-19 DEATHS	DEATH-RATES IN DEATHS-PER-MILLION	7-DAY AVERAGE FOR LAST WEEK OF DEATHS-PER-DAY
CUMULATIVE THIS WEEK	997136	2994 DPM	585 DPD
MINUS LAST WEEK'S TOTAL	993044	2971 DPM	1365 DPD
EQUALS THE NET CHANGE	+4092	+23 DPM	-780 DPD

BASIC DATA FOR CANADA

CURRENT COVID DAILY DEATH RATE PER MILLION FOR THE PAST WEEK = 1.11

CANADA POP = 38,000,000	TOTAL CV-19 DEATHS	DEATH-RATES IN DEATHS-PER-MILLION	7-DAY AVERAGE FOR LAST WEEK OF DEATHS-PER-DAY
CUMULATIVE THIS WEEK	37150	978 DPM	42 DPD
MINUS LAST WEEK'S TOTAL	36855	970 DPM	DATA ANOMALIES LAST WEEK
EQUALS THE NET CHANGE	+295	+8 DPM	↓

THE "EURO-SWATH"

Seven-day moving averages of daily CV-19 deaths in the seven European nations first hit by the much more deadly Italian Variant of Covid-19 looking back from 3/18/2022.

NATIONS	7-DAY MOVING AVERAGE OF COVID-19 DEATHS-PER-DAY
ITALY	137
SPAIN	81
FRANCE	116
BELGIUM	19
NETHERLANDS	12
UNITED KINGDOM*	111
IRELAND**	4

* ~~Six months ago~~ the UK averaged 1,248 deaths-per-day for the week ending 1/23/2021
Reduction from then to now has been _____ percent.

** Ireland's current DPDs are down _____ percent from its recent high of 60 deaths-per-day for the week ending 2/4/2021.

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CURRENT COVID DAILY DEATH RATES FOR SELECTED AMERICAN JURISDICTIONS

(In average Covid-19 deaths per day per million residents for the previous seven days.)

Data via Worldometers.info unless otherwise noted, CCDDR calculations by author.

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS 3/12	TOTAL CV-19 DEATHS 3/19	CV-19 DEATHS FOR WEEK	% INCREASE FOR WEEK	CCDDR
United States of America	333,000,000	993044	997136	4092	+ .41%	1.76
New York City (all boroughs)	8,442,000	39924	40021	97	+ .24%	1.64
Brooklyn	2,600,000	12739	12774	35	+ .27%	1.92
Queens	2,297,000	11783	11810	27	+ .23%	1.68
Bronx	1,440,000	7702	7722	20	+ .26%	1.98
Manhattan	1,630,000	5410	5417	7	+ .13%	.61
Staten Island	475,000	2290	2298	8	+ .35%	2.41
Philadelphia (City & County)	1,592,000	5018	5035	17	+ .34%	1.53
San Francisco (City & County)	900,000	823	833	10	+1.22%	1.59
Los Angeles County, CA	10,079,000	31225	31443	218	+ .70%	3.09
King County (Seattle, WA)	2,204,000	2631	2659	28	+1.06%	1.81
Multnomah Cty (Portland, OR)	813,000	1098	1108	10	+ .91%	1.76
Washington Cty (Hillsboro, OR)	602,000	531	538	7	+1.32%	1.66
Hawaii	1,416,000	1354	1368	14	+1.03%	1.41

CURRENT COVID DAILY DEATH RATES FOR SELECTED U.S. WINTER VACATION DESTINATIONS

Looking back from 3/21/2022. New York Times data via Google. CCDDR calculations by author.

JURISDICTION	POPULATION	AVERAGE DAILY CV-19 DEATHS FOR THE PREVIOUS WEEK	CCDDR	NOTES
Coachella Valley (California)	379,000	2 DEATHS/7 DAYS (Data via The Desert Sun newspaper)	.75	Includes Palm Springs & Palm Desert, CA etc.
San Diego County (California)	3,350,000	4	1.19	Includes San Diego, CA
Travis County (Texas)	1,275,000	1	.78	Includes Austin, TX
Bexar County (Texas)	2,000,000	5	2.50	Includes San Antonio, TX
Maricopa County (Arizona)	4,650,000	44	9.46	Includes Phoenix, AZ
Pima County (Arizona)	1,070,000	8	7.48	Includes Tucson, AZ
Miami/Dade County (Florida)	2,750,000	15	5.45	Includes Miami, FL

COVID-19 DEATHS & DEATH-RATES IN WASHINGTON STATE COUNTIES

MEASURED IN DEATHS-PER-MILLION, ALPHABETICAL LIST AS OF ¹⁹12 MARCH 2022

WASHINGTON STATE DEATHS TO DATE = ~~12,263~~ AND STATE DPMs TO DATE = ~~1,610~~
 12406 (+143) 1629 (+19)

STATE CV-19 DEATH TOTAL AND COUNTY DEATH TOTALS VIA NEW YORK TIMES,

ALL DEATH-RATE CALCULATIONS BY AUTHOR, ©2022 MARK WARNS

Name of County	Population Rounded to 1,000s	Total Covid-19 Deaths	Deaths Per Million Persons	Name of County	Population Rounded to 1,000s	Total Covid-19 Deaths	Deaths Per Million Persons
Adams 0	20,000	38	1,900	Lewis +5	80,000	237 242	2,963 3025
Asotin 0	23,000	65	2,826	Lincoln 0	11,000	27	2,455 3024
Benton +2	206,000	460 462	2,233 2243	Mason +2	66,000	+33 135	2,015 2045
Chelan +1	80,000	157 158	1,963 1975	Okanogan +1	43,000	119 120	2,767 2791
Clallam +6	77,000	128 134	1,662 1740	Pacific +1	22,000	54 55	2,455 2500
Clark +10	499,000	771 781	1,545 1565	Pend Oreille +1	14,000	35 36	2,500 2571
Columbia 0	4,000	15	3,750*	Pierce +13	901,000	1,349 1362	1,497 1572
Cowlitz +3	111,000	338 341	3,045 3072	San Juan 0	17,000	2	118
Douglas +2	44,000	67 69	1,523 1568	Skagit +6	130,000	191 197	1,469 1515
Ferry +1	8,000	28 29	3,500* 3625*	Skamania 0	12,000	12	1,000
Franklin 0(-1)	97,000	211 210	2,175 2165	Snohomish +20	831,000	1,077 1097	1,296 1320
Garfield 0	2,000	7	3,500*	Spokane +12	523,000	1,332 1344	2,547 2570
Grant +2	100,000	253 255	2,530 2550	Stevens 0(-1)	46,000	141 140	3,065 3043
Grays Harbor 0	75,000	195	2,600	Thurston +7	291,000	390 397	1,340 1364
Island +2	86,000	71 73	826 849	Wahkiacum 0	4,000	6	1,500*
Jefferson 0	32,000	28	875	Walla Walla +2	63,000	140 142	2,222 2254
King +28	2,261,000	2,631 2659	1,164 1176	Whatcom +8	228,000	279 287	1,224 1259
Kitsap +3	272,000	327 330	1,202 1213	Whitman 0	50,000	90	1,800
Kittitas 0	48,000	58	1,208	Yakima +6	258,000	758 764	2,938 2961
Klickitat +1	23,000	43 44	1,870 1913				

* Death-rates skewed by especially small county populations.

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COUNTIES WITH NO INCREASES IN CV-19 DEATHS THIS WEEK
 COUNTIES WITH CV-19 DEATH RATES ≤ SAN FRANCISCO'S 926

**COVID-19 DEATHS & DEATH-RATES IN WASHINGTON STATE COUNTIES
 MEASURED IN DEATHS-PER-MILLION, ALPHABETICAL LIST AS OF 19 MARCH 2022
 WASHINGTON STATE DEATHS TO DATE = 12,406 AND STATE DPMs TO DATE = 1,629**

STATE CV-19 DEATH TOTAL AND COUNTY DEATH TOTALS VIA NEW YORK TIMES,
 ALL DEATH-RATE CALCULATIONS BY AUTHOR, ©2022 MARK WARNS

Name of County	Population Rounded to 1,000s	Total Covid-19 Deaths	Deaths Per Million Persons	Name of County	Population Rounded to 1,000s	Total Covid-19 Deaths	Deaths Per Million Persons
Adams	20,000	38	1,900	Lewis	80,000	242	3,025
Asotin	23,000	65	2,826	Lincoln	11,000	27	2,455
Benton	206,000	462	2,243	Mason	66,000	135	2,045
Chelan	80,000	158	1,975	Okanogan	43,000	120	2,791
Clallam	77,000	134	1,740	Pacific	22,000	55	2,500
Clark	499,000	781	1,565	Pend Oreille	14,000	36	2,571
Columbia	4,000	15	3,750*	Pierce	901,000	1,362	1,512
Cowlitz	111,000	341	3,072	San Juan	17,000	2	118
Douglas	44,000	69	1,568	Skagit	130,000	197	1,515
Ferry	8,000	29	3,625*	Skamania	12,000	12	1,000
Franklin	97,000	210	2,165	Snohomish	831,000	1,097	1,320
Garfield	2,000	7	3,500*	Spokane	523,000	1,344	2,570
Grant	100,000	255	2,550	Stevens	46,000	140	3,043
Grays Harbor	75,000	195	2,600	Thurston	291,000	397	1,364
Island	86,000	73	849	Wahkiacum	4,000	6	1,500*
Jefferson	32,000	28	875	Walla Walla	63,000	142	2,254
King	2,261,000	2,659	1,176	Whatcom	228,000	287	1,259
Kitsap	272,000	330	1,213	Whitman	50,000	90	1,800
Kittitas	48,000	58	1,208	Yakima	258,000	764	2,961
Klickitat	23,000	44	1,913				

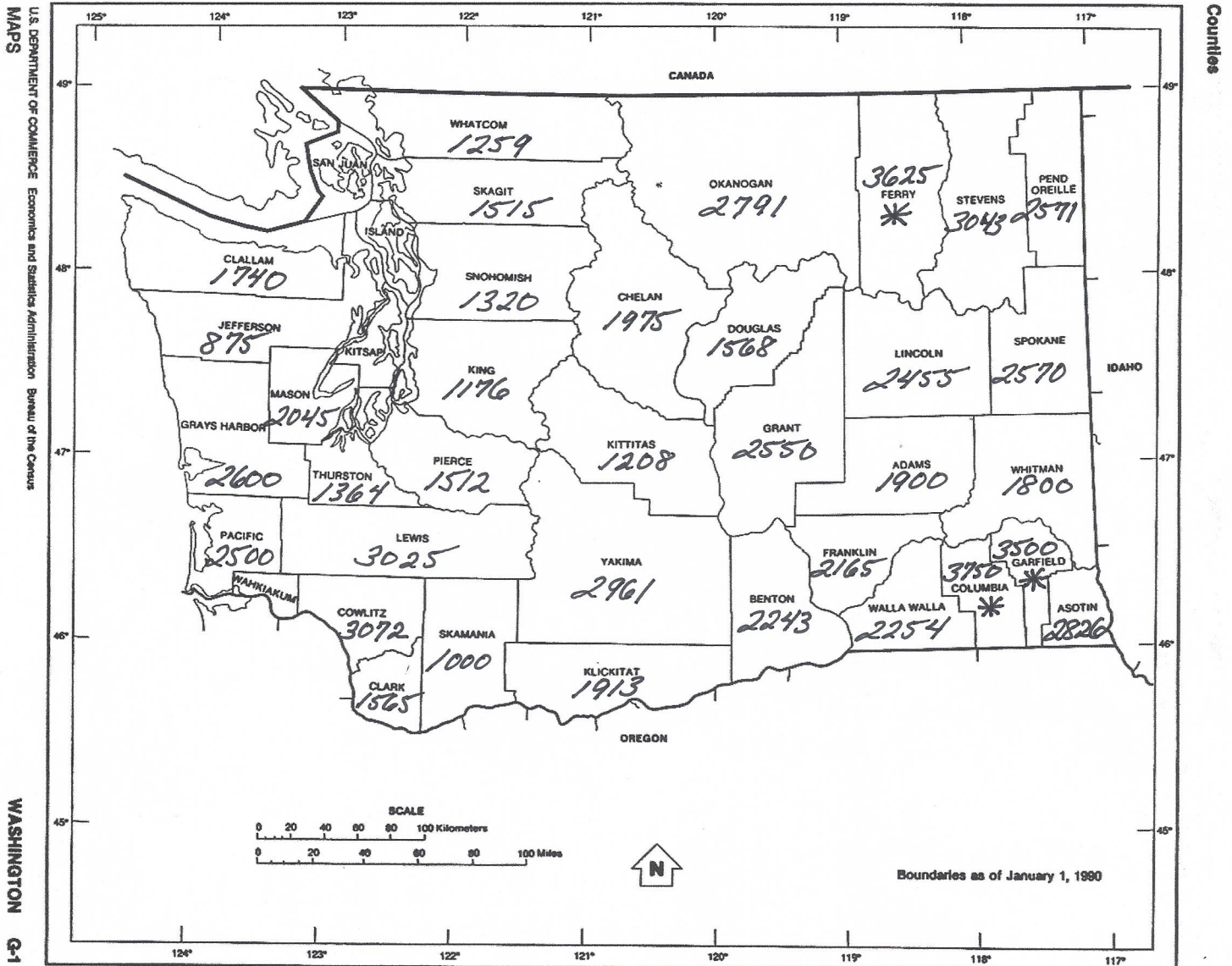
* Death-rates skewed by especially small county populations.

COVID-19 DEATH-RATES IN DEATHS-PER-MILLION RESIDENTS IN WASHINGTON STATE BY COUNTIES AS OF 19 MARCH 2022

TOTAL WASHINGTON STATE DEATHS TO DATE = 12406; AND DPMs TO DATE = 1629

{CURRENT US COVID-19 DEATH-RATE (2994 DPMs) IS 1.84 TIMES HIGHER THAN WA's}

US CV-19 DEATH RATE VIA WORLDMETERS.INFO, STATE AND COUNTY CV-19 DEATH TOTALS VIA NEW YORK TIMES, STATE AND COUNTY DPM CALCULATIONS BY AUTHOR, ©2022 MARK WARNS



DPM TOTALS FOR THE FOUR COUNTIES OBSCURED BY THE MAP:

SAN JUAN COUNTY = 118

ISLAND COUNTY = 849

KITSAP COUNTY = 1213

WAHKIACUM COUNTY = 1500*

*ALTHOUGH COLUMBIA, FERRY, GARFIELD, AND WAHKIACUM COUNTIES HAVE EACH HAD VERY FEW CV-19 DEATHS TO DATE, THEIR DPMs ARE ELEVATED DUE TO THEIR SMALL POPULATIONS. SEE THE WASHINGTON COUNTIES "ALPHA LIST" FOR DEATH TOTALS AND POPULATIONS.

CURRENT COVID-19 DAILY DEATH RATES FOR WASHINGTON STATE
IN DEATHS-PER-MILLION PERSONS PER DAY FOR THE WEEK ENDING MARCH 19, 2022
(CURRENT US COVID-19 DAILY DEATH RATE PER MILLION PERSONS = 1.76)

CURRENT STATE AND COUNTY COVID-19 DEATH TOTALS VIA NEW YORK TIMES,
 CURRENT COVID-19 DAILY DEATH-RATE CALCULATIONS BY AUTHOR, ©2022 MARK WARNS

Name of State or County	Population Rounded to 1,000s	Covid-19 Deaths for the Week	Current Daily Death Rate	Name of County	Population Rounded to 1,000s	Covid-19 Deaths for the Week	Current Daily Death Rate
Washington State Total	7,615,000	143	2.68	Klickitat	23,000	1	6.21
Adams	20,000	0	0	Lewis	80,000	5	8.93
Asotin	23,000	0	0	Lincoln	11,000	0	0
Benton	206,000	2	1.39	Mason	66,000	2	4.33
Chelan	80,000	1	1.79	Okanogan	43,000	1	3.32
Clallam	77,000	6	11.13	Pacific	22,000	1	6.49
Clark	499,000	10	2.86	Pend Oreille	14,000	1	10.20*
Columbia	4,000	0	0	Pierce	901,000	13	2.06
Cowlitz	111,000	3	3.86	San Juan	17,000	0	0
Douglas	44,000	2	6.49	Skagit	130,000	6	6.59
Ferry	8,000	1	17.86*	Skamania	12,000	0	0
Franklin	97,000	0	0	Snohomish	831,000	20	3.44
Garfield	2,000	0	0	Spokane	523,000	12	3.28
Grant	100,000	2	2.86	Stevens	46,000	0	0
Grays Harbor	75,000	0	0	Thurston	291,000	7	3.44
Island	86,000	2	3.32	Wahkiacum	4,000	0	0
Jefferson	32,000	0	0	Walla Walla	63,000	2	4.54
King	2,261,000	28	1.77	Whatcom	228,000	8	5.01
Kitsap	272,000	3	1.58	Whitman	50,000	0	0
Kittitas	48,000	0	0	Yakima	258,000	6	3.32

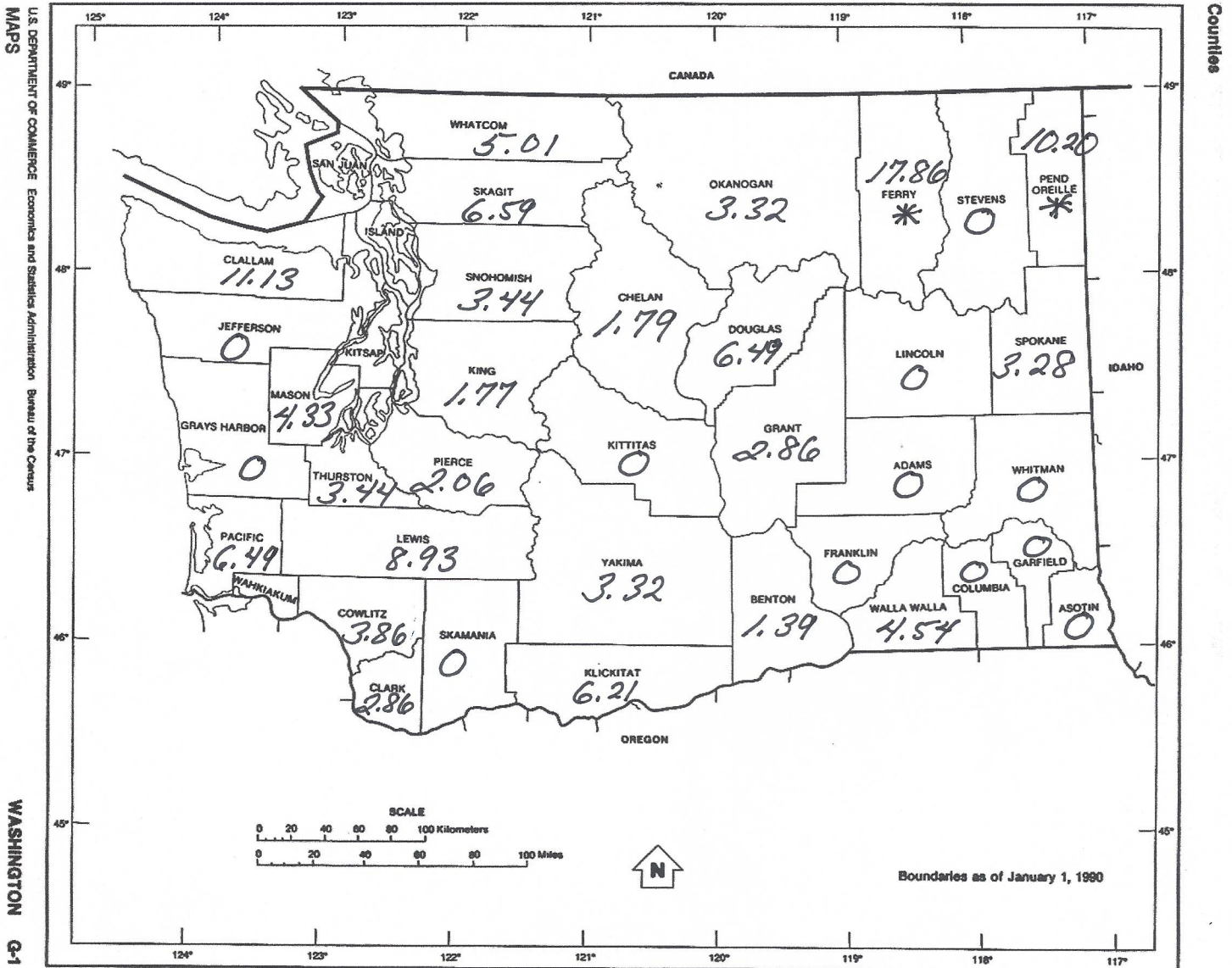
* CCDDRs skewed by especially small county populations. See current Covid-19 death-rate alpha list & graph.

CURRENT COVID-19 DAILY DEATH-RATES IN WASHINGTON STATE STATEWIDE & BY COUNTIES FOR THE WEEK ENDING MARCH 19, 2022 IN DEATHS-PER-MILLION PERSONS PER DAY FOR THE PREVIOUS WEEK

TOTAL WASHINGTON STATE DEATHS THAT WEEK = 143, AND CCDDR = 2.68.

{CURRENT US CCDDR OF 1.76 IS 52.3 ^{PERCENT LOWER} ~~TIMES HIGHER~~ THAN WASHINGTON'S}

US CV-19 DEATH TOTAL VIA WORLDMETERS.INFO, STATE AND COUNTY CV-19 DEATH TOTALS VIA NEW YORK TIMES, ALL CCDDR CALCULATIONS BY AUTHOR, ©2022 MARK WARNS

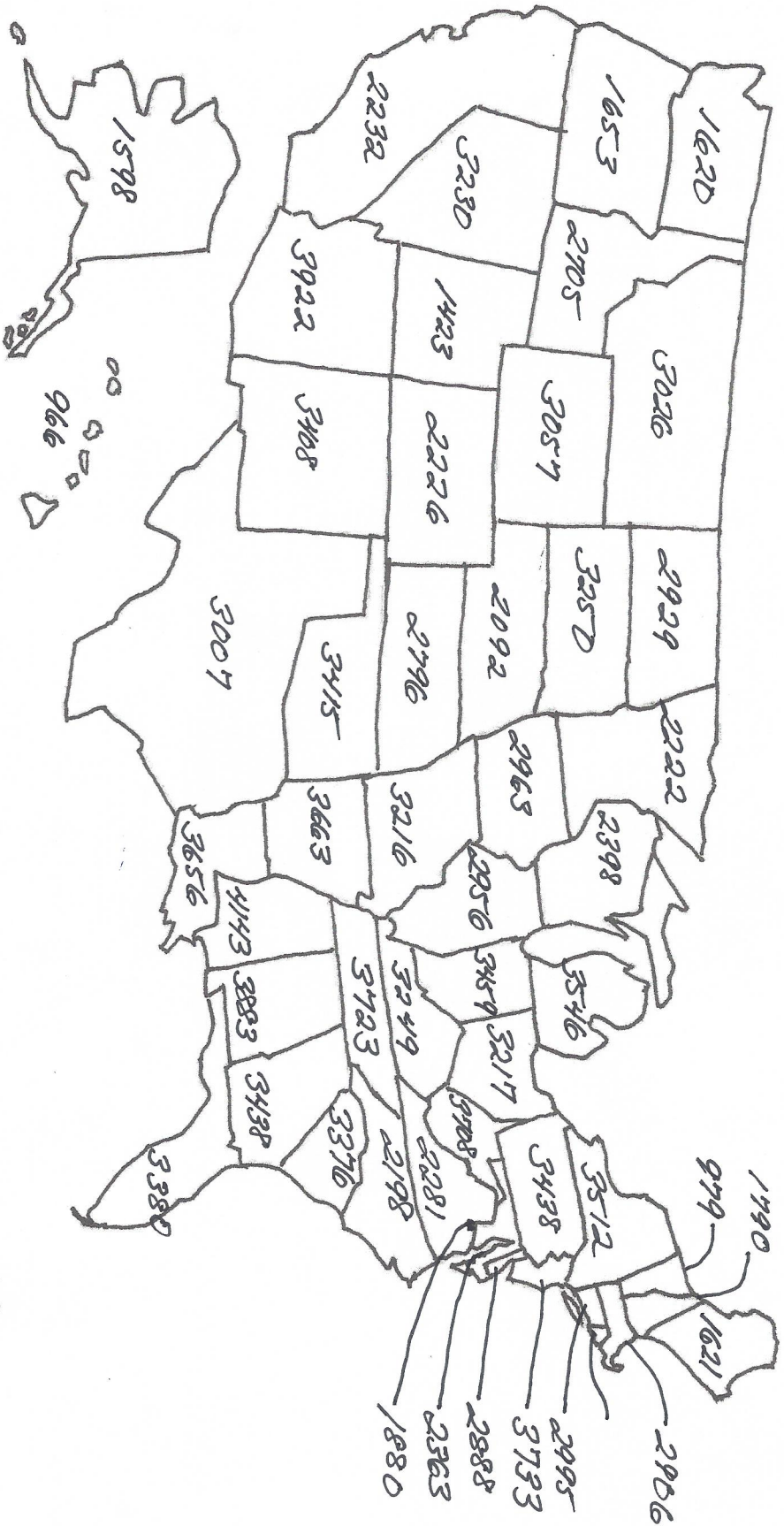


DPM TOTALS FOR THE FOUR COUNTIES OBSCURED BY THE MAP:

SAN JUAN COUNTY = 0
 ISLAND COUNTY = 3.32
 KITSAP COUNTY = 1.58
 WAHKIACUM COUNTY = 0

*SMALL INCREASES IN WEEKLY CV-19 DEATHS CAN RESULT IN LARGE CCDDR INCREASES IN COUNTIES WITH VERY SMALL POPULATIONS. SEE "ALPHA LIST" FOR POPULATIONS.

US COVID-19 DEATH-RATES BY STATES ON 3/19/2022
 (IN N-19 DEATHS-PER-MILLION RESIDENTS / DPM)
 CURRENT US DEATH-RATE = 2983 DPM



US STATES WITH N-19 DEATH-RATES UNDER 1000 DPM

HAWAII = 966

VERMONT = 979

DATA VIA AERODOMETERS. INFO, MAP © 2022 MARK WAHNS

CUMULATIVE COVID-19 DEATHS PER MILLION RESIDENTS IN EUROPEAN JURISDICTIONS ON 3/19/2022



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DPM DATA VIA WORLDOMETERS.INFO EXCEPT FOR THE PROVINCE OF KOSOVO AND THE KALININGRAD OBLAST OF RUSSIA

(CURRENT JHU CSSE COVID-19 DEATH DATA WITH DPM CALCULATIONS BY THE AUTHOR); © 2022 MARK WARNS