

**ANALYSIS OF COVID-19 DEATH TOTALS AS OF SATURDAY, 26 DECEMBER 2020**

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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 THE CV-19 DEATHS PER MILLION PERSONS IN EACH JURISDICTION.**

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	2,378	2,378	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,494
Pennsylvania	12,700,000	14,951	18,970	.79x	21% Better	1,168
Rhode Island	1,000,000	1,704	1,493	1.14x	14% Worse	1,609
Connecticut	3,700,000	5,791	5,527	1.05x	5% Worse	1,624
Massachusetts	6,700,000	11,963	10,008	1.20x	20% Worse	1,736
New Jersey	9,200,000	18,724	13,742	1.36x	36% Worse	2,108
New York State	19,500,000	37,129	29,128	1.27x	27% Worse	1,909
New York City (all boroughs)	8,442,000	24,819	12,610	1.97x	97% Worse	2,952
Brooklyn	2,600,000	7,664	3,884	1.97x	97% Worse	2,948
Queens	2,297,000	7,501	3,431	2.19x	119% Worse	3,266
Bronx	1,440,000	5,110	2,151	2.38x	138% Worse	3,549
Manhattan	1,630,000	3,297	2,435	1.35x	35% Worse	2,023
Staten Island	475,000	1,247	710	1.76x	76% Worse	2,625

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

Ireland	4,938,000	2,200	7,376	.30x	70% Better	443
Netherlands	17,135,000	10,970	25,595	.43x	57% Better	640
France	65,274,000	62,427	97,501	.64x	36% Better	955
Italy	60,462,000	71,620	90,313	.79x	21% Better	1,185
United Kingdom	67,886,000	70,405	101,403	.69x	31% Better	1,034
Spain	46,755,000	49,824	69,839	.71x	29% Better	1,065
Belgium	11,590,000	19,089	17,312	1.10x	10% Worse	1,644

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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 THE CV-19 DEATHS PER MILLION PERSONS IN EACH JURISDICTION.**

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	2,378	2,378	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,494
Portugal	10,197,000	6,556	15,231	.43x	57% Better	644
Austria	9,023,000	5,843	13,478	.38x	62% Better	647
Slovenia	2,079,000	2,532	3,105	.82x	18% Better	1,218
Germany	83,784,000	30,016	125,150	.24x	76% Better	358
Luxembourg	628,000	470	938	.50x	50% Better	745
Switzerland	8,655,000	7,191	12,928	.56x	44% Better	828

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

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Iceland	364,000	28	544	.05x	95% Better	82
Denmark	5,792,000	1,153	8,652	.13x	87% Better	199
Norway	5,415,000	421	8,088	.05x	95% Better	77
Sweden *(See Text Note)	10,090,000	8,279	15,072	.55x	45% Better	817
Finland	5,541,000	524	8,277	.06x	94% Better	95
Estonia	1,327,000	204	1,982	.10x	90% Better	154
Latvia	1,879,000	515	2,807	.18x	82% Better	275
Lithuania	2,709,000	1,228	4,046	.30x	70% Better	454
Kaliningrad, Russia	995,000	162	1,486	.11x	89% Better	163
Poland	37,833,000	27,061	56,512	.48x	52% Better	715
Czechia	10,716,000	10,950	16,007	.68x	32% Better	1,022
Slovakia	5,461,000	1,732	8,157	.21x	79% Better	317

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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. THE "DPM" COLUMN RECORDS THE NUMBER OF CV-19 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	181	181	1.00x "The Gauge"	Better or Worse Than SFE's 0%	201
China (All Provinces)	1,438,510,000	4,634	289,300	.02x	98% Better	3
Hubei Province China	58,500,000	4,512 (97.4% of PRC)	11,765	.38x	62% Better	77
Beijing Province China	20,463,000	9	4,115	.002x	99.8% Better	.44
South Korea	51,262,000	793	10,309	.08x	92% Better	15
Japan	126,476,000	3,155	25,436	.12x	88% Better	25
Iran	82,914,000	54,574	16,675	3.27x	227% Worse	646
Russian Federation	145,934,000	54,226	29,349	1.85x	85% Worse	372

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

San Francisco, California	900,000	181	181	1.00x "The Gauge"	Better or Worse Than SFE's 0%	201
Oregon	4,220,000	1,422	849	1.67x	67% Worse	337
Multnomah County, OR	813,000	387	164	2.36x	136% Worse	476
California	40,000,000	23,985	8,044	2.98x	198% Worse	607
Los Angeles County, CA	10,079,000	9,299	2,027	4.59x	359% Worse	923
Washington State	7,615,000	3,351	1,531	2.19x	119% Worse	440
King County, WA	2,204,000	1,043	443	2.35x	135% Worse	473
Snohomish County, WA	822,000	373	165	2.26x	126% Worse	454
Pierce County, WA	905,000	315	182	1.73x	73% Worse	348
Yakima County, WA	251,000	310	50	6.20x	520% Worse	1,235
Benton County, WA	205,000	156	41	3.80x	280% Worse	761
Franklin County, WA	96,000	79	19	4.16x	316% Worse	823
Six Peninsula Counties of WA	900,000	139	181	.77x	23% Better	154
Hawaii	1,416,000	285	285	1.00x	Equal to SFE	201