

**ANALYSIS OF COVID-19 DEATH TOTALS AS OF SATURDAY, 12 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	2,185	2,185	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,372
Pennsylvania	12,700,000	12,331	17,431	.71x	29% Better	963
Rhode Island	1,000,000	1,509	1,372	1.10x	10% Worse	1,424
Connecticut	3,700,000	5,563	5,078	1.10x	10% Worse	1,504
Massachusetts	6,700,000	11,257	9,196	1.22x	22% Worse	1,633
New Jersey	9,200,000	17,805	12,627	1.41x	41% Worse	2,005
New York State	19,500,000	35,421	26,764	1.32x	32% Worse	1,821
New York City (all boroughs)	8,442,000	24,405	11,587	2.11x	111% Worse	2,891
Brooklyn	2,600,000	7,549	3,568	2.12x	112% Worse	2,903
Queens	2,297,000	7,400	3,153	2.35x	135% Worse	3,222
Bronx	1,440,000	5,038	1,976	2.55x	155% Worse	3,499
Manhattan	1,630,000	3,240	2,237	1.45x	45% Worse	1,988
Staten Island	475,000	1,178	652	1.81x	81% Worse	2,480

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

Ireland	4,938,000	2,120	6,777	.31x	69% Better	427
Netherlands	17,135,000	10,019	23,517	.43x	57% Better	584
France	65,274,000	57,567	89,588	.64x	36% Better	881
Italy	60,462,000	64,036	82,983	.77x	23% Better	1,060
United Kingdom	67,886,000	63,506	93,172	.68x	32% Better	933
Spain	46,755,000	47,624	64,170	.74x	26% Better	1,018
Belgium	11,590,000	17,792	15,907	1.12x	12% Worse	1,532

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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 MULIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	2,185	2,185	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,372
Portugal	10,197,000	5,461	13,995	.39x	61% Better	536
Austria	9,023,000	4,415	12,384	.36x	64% Better	489
Slovenia	2,079,000	2,041	2,853	.72x	28% Better	982
Germany	83,784,000	21,953	114,992	.19x	81% Better	262
Luxembourg	628,000	396	862	.46x	54% Better	628
Switzerland	8,655,000	5,970	11,879	.50x	50% Better	688

**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 MULIPLIER	PE SCORE PERCENTAGE	DPM
Iceland	364,000	28	500	.06x	94% Better	82
Denmark	5,792,000	935	7,949	.12x	88% Better	161
Norway	5,415,000	387	7,432	.05x	95% Better	71
Sweden *(See Text Note)	10,090,000	7,514	13,848	.54x	46% Better	742
Finland	5,541,000	453	7,605	.06x	94% Better	82
Estonia	1,327,000	148	1,821	.08x	92% Better	112
Latvia	1,879,000	324	2,579	.13x	87% Better	173
Lithuania	2,709,000	791	3,718	.21x	79% Better	292
Kaliningrad, Russia	995,000	132	1,366	.10x	90% Better	133
Poland	37,833,000	22,676	51,925	.44x	56% Better	599
Czechia	10,716,000	9,450	14,708	.64x	36% Better	882
Slovakia	5,461,000	1,122	7,495	.15x	85% Better	205

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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	167	167	1.00x "The Gauge"	Better or Worse Than SFE's 0%	186
China (All Provinces)	1,438,510,000	4,634	266,923	.02x	98% Better	3
Hubei Province China	58,500,000	4,512 (97.4% of PRC)	10,855	.42x	58% Better	77
Beijing Province China	20,463,000	9	3,797	.002x	99.8% Better	.44
South Korea	51,262,000	578	9,512	.06x	94% Better	11
Japan	126,476,000	2,534	23,468	.11x	89% Better	20
Iran	82,914,000	51,949	15,385	3.38x	238% Worse	615
Russian Federation	145,934,000	46,453	27,079	1.72x	72% Worse	318

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

San Francisco, California	900,000	167	167	1.00x "The Gauge"	Better or Worse Than SFE's 0%	186
Oregon	4,220,000	1,138	783	1.45x	45% Worse	270
Multnomah County, OR	813,000	306	151	2.03x	103% Worse	376
California	40,000,000	20,851	7,422	2.81x	181% Worse	528
Los Angeles County, CA	10,079,000	8,199	1,870	4.38x	338% Worse	813
Washington State	7,615,000	2,996	1,413	2.12x	112% Worse	393
King County, WA	2,204,000	935	409	2.29x	129% Worse	424
Snohomish County, WA	822,000	324	153	2.12x	112% Worse	394
Pierce County, WA	905,000	285	168	1.70x	70% Worse	315
Yakima County, WA	251,000	294	47	6.26x	526% Worse	1,171
Benton County, WA	205,000	143	38	3.76x	276% Worse	698
Franklin County, WA	96,000	75	18	4.17x	317% Worse	781
Six Peninsula Counties of WA	900,000	122	167	.73x	27% Better	136
Hawaii	1,416,000	269	263	1.02x	2% Worse	190