

ANALYSIS OF COVID-19 DEATH TOTALS AS OF SATURDAY, 31 OCTOBER 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 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	1,890	1,890	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,187
Pennsylvania	12,700,000	8,867	15,077	.59x	41% Better	693
Rhode Island	1,000,000	1,201	1,187	1.01x	1% Worse	1,134
Connecticut	3,700,000	4,616	4,393	1.05x	5% Worse	1,295
Massachusetts	6,700,000	9,975	7,954	1.25x	25% Worse	1,447
New Jersey	9,200,000	16,470	10,922	1.51x	51% Worse	1,854
New York State	19,500,000	33,655	23,150	1.45x	45% Worse	1,730
New York City (all boroughs)	8,442,000	23,979	10,022	2.39x	139% Worse	2,840
Brooklyn	2,600,000	7,400	3,087	2.40x	140% Worse	2,846
Queens	2,297,000	7,294	2,727	2.67x	167% Worse	3,175
Bronx	1,440,000	4,992	1,710	2.92x	192% Worse	3,467
Manhattan	1,630,000	3,198	1,935	1.65x	65% Worse	1,962
Staten Island	475,000	1,095	564	1.95x	95% Worse	2,305

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

Ireland	4,938,000	1,908	5,862	.33x	67% Better	385
Netherlands	17,135,000	7,395	20,342	.36x	64% Better	431
France	65,274,000	36,565	77,492	.47x	53% Better	560
Italy	60,462,000	38,321	71,780	.53x	47% Better	634
United Kingdom	67,886,000	46,229	80,593	.57x	43% Better	680
Spain	46,755,000	35,878	55,507	.65x	35% Better	767
Belgium	11,590,000	11,452	13,759	.83x	17% Better	987

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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 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	1,890	1,890	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,187
Portugal	10,197,000	2,688	12,106	.22x	78% Better	242
Austria	9,023,000	1,109	10,712	.10x	90% Better	123
Slovenia	2,079,000	330	2,468	.13x	87% Better	159
Germany	83,784,000	10,540	99,467	.11x	89% Better	126
Luxembourg	628,000	152	746	.20x	80% Better	242
Switzerland	8,655,000	2,286	10,275	.22x	78% Better	263

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	13	432	.03x	97% Better	38
Denmark	5,792,000	721	6,876	.10x	90% Better	124
Norway	5,415,000	282	6,429	.04x	96% Better	52
Sweden *(See Text Note)	10,090,000	5,938	11,979	.50x	50% Better	587
Finland	5,541,000	358	6,578	.05x	95% Better	65
Estonia	1,327,000	73	1,575	.05x	95% Better	55
Latvia	1,879,000	71	2,231	.03x	97% Better	38
Lithuania	2,709,000	165	3,216	.05x	95% Better	61
Kaliningrad, Russia	995,000	98	1,181	.08x	92% Better	98
Poland	37,833,000	5,631	44,915	.13x	87% Better	149
Czechia	10,716,000	3,078	12,722	.24x	76% Better	287
Slovakia	5,461,000	219	6,483	.03x	97% Better	40

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I. EURASIAN - FOLLOWED BY U.S. - JURISDICTIONS APPARENTLY AFFECTED BY THE FAR LESS DEADLY WUHAN VARIANT OF COVID-19 ADJUSTED FOR POPULATION AND COMPARED TO THEIR "SAN FRANCISCO EQUIVALENTS" (SFEs) AS THE GAUGE. "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	147	147	1.00x "The Gauge"	Better or Worse Than SFE's 0%	163
China (All Provinces)	1,438,510,000	4,634	234,957	.02x	98% Better	3
Hubei Province China	58,500,000	4,512 (97.4% of PRC)	9,555	.47x	53% Better	77
Beijing Province China	20,463,000	9	3,342	.003x	99.7% Better	.44
South Korea	51,262,000	464	8,373	.06x	94% Better	9
Japan	126,476,000	1,755	20,658	.08x	92% Better	14
Iran	82,914,000	34,864	13,543	2.57x	157% Worse	413
Russian Federation	145,934,000	27,990	23,836	1.17x	17% Worse	192

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

San Francisco, California	900,000	147	147	1.00x "The Gauge"	Better or Worse Than SFE's 0%	163
Oregon	4,220,000	675	689	.98x	2% Better	160
Multnomah County, OR	813,000	168	133	1.26x	26% Worse	207
California	40,000,000	17,267	6,533	2.64x	164% Worse	446
Los Angeles County, CA	10,079,000	7,056	1,646	4.29x	329% Worse	700
Washington State	7,615,000	2,366	1,244	1.90x	90% Worse	311
King County, WA	2,204,000	815	360	2.26x	126% Worse	370
Snohomish County, WA	822,000	233	134	1.74x	74% Worse	283
Pierce County, WA	905,000	227	148	1.53x	53% Worse	251
Yakima County, WA	251,000	273	41	6.66x	566% Worse	1,088
Benton County, WA	205,000	135	33	4.09x	309% Worse	659
Franklin County, WA	96,000	68	16	4.25x	325% Worse	708
Six Peninsula Counties of WA	900,000	83	147	.56x	44% Better	92
Hawaii	1,416,000	216	231	.94x	6% Better	153