

**ANALYSIS OF TOTAL COVID-19 DEATH TOTALS AS OF SATURDAY, 22 AUGUST 2020**

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Page 1

**JURISDICTIONS IN THE AMERICAN NORTHEAST APPARENTLY AFFECTED BY THE MUCH MORE DEADLY WEST EUROPEAN 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 MULTIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	1,758	1,758	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,104
Pennsylvania	12,700,000	7,656	14,024	.55x	45% Better	598
Rhode Island	1,000,000	1,030	1,104	.93x	7% Better	972
Connecticut	3,700,000	4,460	4,086	1.09x	9% Worse	1,251
Massachusetts	6,700,000	8,901	7,399	1.20x	20% Worse	1,291
New Jersey	9,200,000	16,046	10,159	1.58x	58% Worse	1,807
New York State	19,500,000	32,937	21,533	1.53x	53% Worse	1,693
New York City (all boroughs)	8,442,000	23,618	9,322	2.53x	153% Worse	2,798
Brooklyn	2,600,000	7,274	2,871	2.53x	153% Worse	2,798
Queens	2,297,000	7,212	2,537	2.84x	184% Worse	3,140
Bronx	1,440,000	4,889	1,590	3.07x	207% Worse	3,395
Manhattan	1,630,000	3,162	1,800	1.76x	76% Worse	1,940
Staten Island	475,000	1,081	525	2.06x	106% Worse	2,276

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Page 2

**I. WEST EUROPEAN NATIONS COMPARED TO THEIR PHILADELPHIA EQUIVALENTS, ASSUMING THAT THE MOST AFFECTED WEST EUROPEAN JURISDICTIONS ARE ENDURING 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	1,758	1,758	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,104
Portugal	10,197,000	1,792	11,260	.16x	84% Better	176
Switzerland	8,655,000	2,000	9,557	.21x	79% Better	231
Ireland	4,938,000	1,776	5,453	.33x	67% Better	359
Netherlands	17,135,000	6,195	18,922	.33x	67% Better	361
France	65,274,000	30,503	72,080	.42x	58% Better	467
Italy	60,462,000	35,427	66,766	.53x	47% Better	586
Spain	46,755,000	28,838	51,630	.56x	44% Better	617
United Kingdom	67,886,000	41,405	74,965	.55x	45% Better	609
Belgium	11,590,000	9,985	12,799	.78x	22% Better	861

**II. GERMANIC & SCANDINAVIAN NATIONS COMPARED TO PHILADELPHIA EQUIVALENTS**

JURISDICTION	POPULATION	TOTAL CV-19 DEATHS	PHILADELPHIA EQUIVALENT	PE SCORE MULTIPLIER	PE SCORE PERCENTAGE	DPM
Philadelphia, Pennsylvania	1,592,000	1,758	1,758	1.00x "The Gauge"	Better or Worse Than PE's 0%	1,104
Iceland	364,000	10	402	.02x	98% Better	29
Norway	5,415,000	264	5,980	.04x	96% Better	49
Finland	5,541,000	334	6,119	.05x	95% Better	60
Denmark	5,792,000	621	6,396	.10x	90% Better	107
Germany	83,784,000	9,328	92,520	.10x	90% Better	111
Sweden	10,090,000	5,810	11,142	.52x	48% Better	575

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Page 3

**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 MULIPLIER	SFE SCORE PERCENTAGE	DPM
San Francisco, California	900,000	72	72	1.00x "The Gauge"	Better or Worse Than SFE's 0%	80
China (All Provinces)	1,438,510,000	4,634	115,081	.04x	96% Better	3
Hubei Province China	58,500,000	4,512 (97.4% of PRC)	4,680	.96x	4% Better	77
Beijing Province China	20,463,000	9	1,637	.01x	99% Better	.44
South Korea	51,262,000	309	4,101	.08x	92% Better	6
Japan	126,476,000	1,155	1,018	.11x	89% Better	9
Iran	82,914,000	20,502	6,633	3.09x	3.09% Worse	244
Russian Federation	145,934,000	16,310	11,675	1.40x	1.40% Worse	112

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

San Francisco, California	900,000	72	72	1.00x "The Gauge"	Better or Worse Than SFE's 0%	80
Oregon	4,220,000	414	338	1.22x	22% Worse	98
Multnomah County, OR	813,000	112	65	1.72x	72% Worse	138
California	40,000,000	11,988	3,200	3.74x	274% Worse	303
Washington	7,615,000	1,850	609	3.04x	204% Worse	243
King County, WA	2,204,000	710	176	4.03x	303% Worse	322
Snohomish County, WA	822,000	207	66	3.14x	214% Worse	252
Pierce County, WA	905,000	157	72	2.18x	118% Worse	173
Whatcom County, WA	222,000	39	18	2.17x	117% Worse	176
Yakima County, WA	251,000	233	20	11.65x	1,065% Worse	928
Benton County, WA	205,000	122	16	7.63x	663% Worse	595
Franklin County, WA	96,000	55	8	6.88x	588% Worse	573
Six Peninsula Counties of WA	850,000	29	68	.43x	57% Better	34
Hawaii	1,416,000	46	113	.41x	59% Better	32