

Estimated Medical and Other Economic Costs Related to Diesel Exposure (PM2.5) in New Jersey Counties

County	Health Impact	Cost per Person or per Day (\$)*	Number per County**	Total Cost	Total Cost per County****	Cost per County Minus Premature Death*****
Hudson #1	Premature Death	5,500,000	133	731,500,000		
	Non Fatal Heart Attack***	82,222	196	16,115,512		
	Missed Work Days	138	18425	2,542,650		
	Asthma Attacks	42	2906	122,052		
					750,280,214	18,780,214
Camden #2	Premature Death	5,500,000	69	379,500,000		
	Non Fatal Heart Attack***	82,222	100	8,222,200		
	Missed Work Days	138	7831	1,080,678		
	Asthma Attacks	42	1358	57,036		
					388,859,914	9,359,914
Mercer #3	Premature Death	5,500,000	42	231,000,000		
	Non Fatal Heart Attack***	82,222	64	5,262,208		
	Missed Work Days	138	5046	696,348		
	Asthma Attacks	42	842	35,364		
					236,993,920	5,993,920
Bergen #4	Premature Death	5,500,000	100	550,000,000		
	Non Fatal Heart Attack***	82,222	179	14,717,738		
	Missed Work Days	138	11904	1,642,752		
	Asthma Attacks	42	1974	82,908		
					566,443,398	16,443,398
Union #5	Premature Death	5,500,000	60	330,000,000		
	Non Fatal Heart Attack***	82,222	96	7,893,312		
	Missed Work Days	138	6954	959,652		
	Asthma Attacks	42	1176	49,392		
					338,902,356	8,902,356
Essex #6	Premature Death	5,500,000	94	517,000,000		
	Non Fatal Heart Attack***	82,222	130	10,688,860		
	Missed Work Days	138	10,586	1,460,868		
	Asthma Attacks	42	1802	75,684		
					\$529,225,412	12,225,412
Gloucester #7	Premature Death	5,500,000	25	137,500,000		
	Non Fatal Heart Attack***	82,222	37	3,042,214		
	Missed Work Days	138	3095	427,110		
	Asthma Attacks	42	530	22,260		
					140,991,584	3,491,584
Passaic #8	Premature Death	5,500,000	46	253,000,000		
	Non Fatal Heart Attack***	82,222	71	5,837,762		
	Missed Work Days	138	5731	790,878		
	Asthma Attacks	42	977	41,034		
					259,669,674	6,669,674
Middlesex #9	Premature Death	5,500,000	65	357,500,000		
	Non Fatal Heart Attack***	82,222	107	8,797,754		
	Missed Work Days	138	8892	1,227,096		
	Asthma Attacks	42	1448	60,816		
					367,585,666	10,085,666
Burlington #10	Premature Death	5,500,000	35	192,500,000		
	Non Fatal Heart Attack***	82,222	60	4,933,320		
	Missed Work Days	138	4708	649,704		
	Asthma Attacks	42	788	33,096		
					198,116,120	5,616,120
Somerset #11	Premature Death	5,500,000	20	110,000,000		
	Non Fatal Heart Attack***	82,222	39	3,206,658		
	Missed Work Days	138	3329	459,402		
	Asthma Attacks	42	546	22,932		
					113,688,992	3,688,992
Hunterdon #12	Premature Death	5,500,000	7	38,500,000		
	Non Fatal Heart Attack***	82,222	15	1,233,330		
	Missed Work Days	138	1286	177,468		
	Asthma Attacks	42	211	8,862		
					39,919,660	1,419,660
Monmouth #13	Premature Death	5,500,000	49	269,500,000		
	Non Fatal Heart Attack***	82,222	79	6,495,538		
	Missed Work Days	138	5950	821,100		
	Asthma Attacks	42	1016	42,672		
					276,859,310	7,359,310
Warren #14	Premature Death	5,500,000	8	44,000,000		
	Non Fatal Heart Attack***	82,222	13	1,068,886		
	Missed Work Days	138	946	130,548		
	Asthma Attacks	42	162	6,804		
					45,206,238	1,206,238
Salem #15	Premature Death	5,500,000	6	33,000,000		
	Non Fatal Heart Attack***	82,222	8	657,776		
	Missed Work Days	138	562	77,556		
	Asthma Attacks	42	98	4,116		

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					33,739,448	739,448
Morris #16	Premature Death	5,500,000	28	154,000,000		
	Non Fatal Heart Attack***	82,222	54	4,439,988		
	Missed Work Days	138	4302	593,676		
	Asthma Attacks	42	707	29,694		
					159,063,358	5,063,358
Sussex #17	Premature Death	5,500,000	8	44,000,000		
	Non Fatal Heart Attack***	82,222	13	1,068,886		
	Missed Work Days	138	1220	168,360		
	Asthma Attacks	42	207	8,694		
					45,245,940	1,245,940
Ocean #18	Premature Death	5,500,000	53	291,500,000		
	Non Fatal Heart Attack***	82,222	76	6,248,872		
	Missed Work Days	138	3466	478,308		
	Asthma Attacks	42	640	26,880		
					298,254,060	6,754,060
Cumberland #19	Premature Death	5,500,000	10	55,000,000		
	Non Fatal Heart Attack***	82,222	14	1,151,108		
	Missed Work Days	138	1087	150,006		
	Asthma Attacks	42	185	7,770		
					56,308,884	1,308,884
Atlantic #20	Premature Death	5,500,000	15	82,500,000		
	Non Fatal Heart Attack***	82,222	22	1,808,884		
	Missed Work Days	138	1579	217,902		
	Asthma Attacks	42	269	11,298		
					84,538,084	2,038,084
Cape May #21	Premature Death	5,500,000	7	38,500,000		
	Non Fatal Heart Attack***	82,222	10	822,220		
	Missed Work Days	138	467	64,446		
	Asthma Attacks	42	83	3,486		
					39,390,152	890,152
	Cumulative Grand Total****				\$ 4,969,282,384	\$ 129,282,384

*Based on estimate generated by the USEPA Region II for a Philadelphia report (8/24/04) which included the medical/other costs of diesel

**Based on county chart released by NJEF, CWF and CATF (February 2005) and based on USEPA methodology and most recent data (1999) .

***Average based over a range of ages and includes lost wages and medical expenses over a 5 year period

****Does not include children's ER visits, chronic/acute bronchitis, lower/upper respiratory ailments & hospital admission related to respiratory & cardiovascular need

*****This number more accurately reflects the partial cost of diesel-related health impacts of those trying to get on with their daily lives