Preliminary Results - Updated February 25, 2021





TRANSPORTATION, EQUITY, CLIMATE & HEALTH

Image by Eric Spiegal licensed under Creative Commons

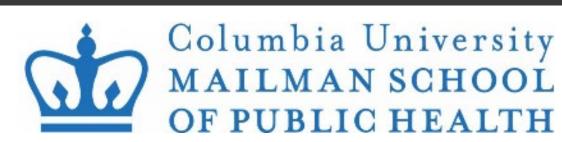












TRECH Project Technical Appendix

Table of contents

- 1. State-level Health Benefits Cases and Monetized values (updated February 2021)
- 2. Maps for Estimated Mortality Benefits from Active Mobility Per 100,000 People
- 3. Maps Estimated Changes in Air Quality for $PM_{2.5}$, Ozone, and NO_2
- Maps of Estimated Deaths and Childhood Asthma Cases Avoided Per Million People from Air Quality Changes (updated February 2021)
- 5. Summary of Methods and Models

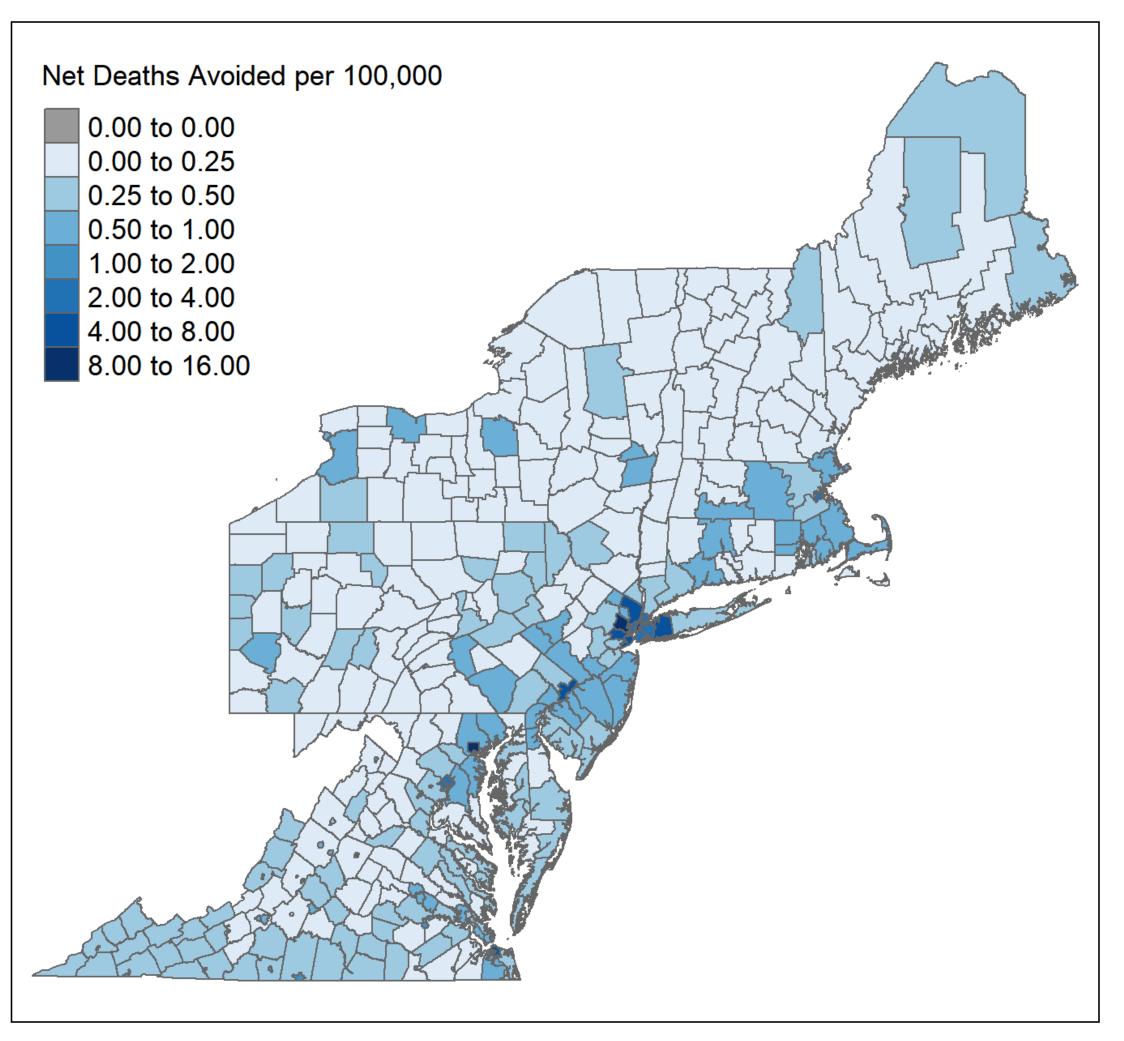
1. State-level Health Benefits — Cases and Monetized values

Chaha		C	Commenter D 250/ CHC Com	C - C 250/ CHC C	Second B 220/ CHC Com	C
	Health Outcome in 2032 Deaths Avoided from Active Mobility			Scenario C 25% GHG Cap 5.4 (3.2 - 7.5)	Scenario B 22% GHG Cap 3.7 (2.4 - 5)	Scenario B 20% GHG Cap 1.9 (1.2 - 2.5)
	Added Deaths Avoided from Active Mobility with Safety in Numbers Effect			0.49	0.33	0.16
	Deaths Avoided from Improved Air Quality			20 (12 - 29)	11 (6.9 - 17)	5.6 (3.5 - 8.2)
	Respiratory Hospitalizations Avoided			1.9 (0.73 - 3)	1.1 (0.42 - 1.7)	0.53 (0.21 - 0.86)
				6.9 (2.6 - 10)	4 (1.5 - 5.8)	2 (0.75 - 2.9)
			2,000 (46 - 4,000)	1,600 (36 - 3,200)	980 (22 - 1,900)	480 (11 - 960)
	Value of Active Mobility Health Benefits			\$56,000,000 (\$24,000,000 - \$88,000,000)	\$39,000,000 (\$18,000,000 - \$60,000,000)	\$19,000,000 (\$8,900,000 - \$30,000,000)
Connecticut	Added Value of Active Mobility Safety in Numbers Effect	\$7,300,000 (\$7,300,000 - \$7,300,000)	\$6,300,000 (\$6,300,000 - \$6,300,000)	\$4,700,000 (\$4,700,000 - \$4,700,000)	\$3,100,000 (\$3,100,000 - \$3,100,000)	\$1,600,000 (\$1,600,000 - \$1,600,000)
Connecticut	Value of Air Quality Health Benefits	\$260,000,000 (\$86,000,000 - \$540,000,000)	\$240,000,000 (\$86,000,000 - \$500,000,000)	\$210,000,000 (\$74,000,000 - \$420,000,000)	\$110,000,000 (\$42,000,000 - \$250,000,000)	\$58,000,000 (\$22,000,000 - \$120,000,000)
Connecticut	Total Value of Health Benefits	\$360,000,000 (\$140,000,000 - \$690,000,000)	\$320,000,000 (\$130,000,000 - \$620,000,000)	\$270,000,000 (\$100,000,000 - \$520,000,000	\$160,000,000 (\$63,000,000 - \$310,000,000)	\$79,000,000 (\$32,000,000 - \$150,000,000)
	Deaths Avoided from Active Mobility	2.4 (1.6 - 3.3)	2.1 (1.4 - 2.8)	1.5 (0.93 - 2.1)	1 (0.66 - 1.4)	0.51 (0.33 - 0.68)
			I	0.11	0.07	0.035
	Deaths Avoided from Improved Air Quality			4.8 (3.1 - 6.9)	2.9 (1.8 - 4.1)	1.4 (0.89 - 2)
	Respiratory Hospitalizations Avoided			0.46 (0.18 - 0.74)	0.28 (0.11 - 0.45)	0.14 (0.054 - 0.22)
	Childhood Asthma Incidences Avoided		2 (0.77 - 3)	1.6 (0.62 - 2.4)	0.98 (0.37 - 1.5)	0.48 (0.18 - 0.71) 84 (1.9 - 170)
	Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits		360 (8.1 - 720) \$21,000,000 (\$9,600,000 - \$33,000,000)	280 (6 - 550) \$16,000,000 (\$6,700,000 - \$25,000,000)	170 (3.9 - 340) \$10,000,000 (\$4,700,000 - \$16,000,000)	\$5,200,000 (\$2,300,000 - \$8,000,000)
	Added Value of Active Mobility Safety in Numbers Effect		\$1,400,000 (\$1,400,000 - \$1,400,000)	\$1,000,000 (\$1,000,000 - \$25,000,000) \$1,000,000 (\$1,000,000 - \$1,000,000)	\$670,000 (\$670,000 - \$16,000,000)	\$330,000 (\$330,000 - \$8,000,000)
	Value of Air Quality Health Benefits			\$50,000,000 (\$19,000,000 - \$1,000,000) \$50,000,000 (\$19,000,000 - \$100,000,000)	\$30,000,000 (\$11,000,000 - \$60,000,000)	\$14,000,000 (\$5,500,000 - \$29,000,000)
	Total Value of Health Benefits			\$66,000,000 (\$27,000,000 - \$130,000,000)	\$41,000,000 (\$16,000,000 - \$77,000,000)	\$20,000,000 (\$8,200,000 - \$38,000,000)
	Deaths Avoided from Active Mobility			9.7 (6.1 - 13)	10 (6.8 - 13)	5 (3.4 - 6.7)
	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect			0.53	0.54	0.27
	Deaths Avoided from Improved Air Quality		8.7 (5.4 - 12)	7 (4.5 - 9.8)	4.1 (2.6 - 5.8)	2 (1.3 - 2.9)
	Respiratory Hospitalizations Avoided			0.26 (0.11 - 0.41)	0.15 (0.065 - 0.24)	0.076 (0.032 - 0.12)
	Childhood Asthma Incidences Avoided		2.5 (0.96 - 3.7)	2 (0.76 - 3)	1.2 (0.46 - 1.8)	0.59 (0.22 - 0.87)
District of Columbia	Childhood Asthma Exacerbations Avoided	1,100 (26 - 2,200)	920 (21 - 1,800)	700 (16 - 1,400)	430 (9.8 - 860)	210 (4.8 - 420)
District of Columbia	Value of Active Mobility Health Benefits	\$170,000,000 (\$77,000,000 - \$260,000,000)	\$140,000,000 (\$64,000,000 - \$210,000,000)	\$99,000,000 (\$42,000,000 - \$160,000,000)	\$100,000,000 (\$47,000,000 - \$160,000,000)	\$51,000,000 (\$23,000,000 - \$79,000,000)
District of Columbia	Added Value of Active Mobility Safety in Numbers Effect		\$7,100,000 (\$7,100,000 - \$7,100,000)	\$5,100,000 (\$5,100,000 - \$5,100,000)	\$5,200,000 (\$5,200,000 - \$5,200,000)	\$2,600,000 (\$2,600,000 - \$2,600,000)
	Value of Air Quality Health Benefits			\$72,000,000 (\$28,000,000 - \$140,000,000)	\$42,000,000 (\$16,000,000 - \$85,000,000)	\$21,000,000 (\$8,000,000 - \$42,000,000)
	Total Value of Health Benefits		\$240,000,000 (\$100,000,000 - \$400,000,000)			\$74,000,000 (\$34,000,000 - \$120,000,000)
	Deaths Avoided from Active Mobility		1.2 (0.78 - 1.6)	0.63 (0.38 - 0.87)	0.47 (0.31 - 0.64)	0.24 (0.15 - 0.32)
		I ⁿ	0.08	0.046	0.032	0.016
	Deaths Avoided from Improved Air Quality		3 (1.9 - 4.6)	2.7 (1.7 - 3.9)	1.5 (0.93 - 2.2)	0.75 (0.47 - 1.1)
	Respiratory Hospitalizations Avoided		0.44 (0.17 - 0.72)	0.37 (0.14 - 0.61)	0.21 (0.082 - 0.35)	0.11 (0.041 - 0.17)
	Childhood Asthma Incidences Avoided		0.74 (0.28 - 1.1) 150 (3.3 - 290)	0.66 (0.25 - 0.99) 120 (2.7 - 250)	0.36 (0.14 - 0.54) 72 (1.6 - 140)	0.18 (0.069 - 0.27) 36 (0.78 - 71)
	Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits		\$12,000,000 (\$5,500,000 - \$18,000,000)	\$6,400,000 (\$2,800,000 - \$10,000,000)	\$4,900,000 (\$2,200,000 - \$7,500,000)	\$2,400,000 (\$1,100,000 - \$3,800,000)
	Added Value of Active Mobility Safety in Numbers Effect	\$1,100,000 (\$1,100,000 - \$1,100,000)	\$770,000 (\$770,000 - \$770,000)	\$440,000 (\$440,000 - \$440,000)	\$310,000 (\$310,000 - \$310,000)	\$150,000 (\$150,000 - \$150,000)
	Value of Air Quality Health Benefits		\$31,000,000 (\$12,000,000 - \$67,000,000)	\$28,000,000 (\$10,000,000 - \$57,000,000)	\$15,000,000 (\$5,700,000 - \$32,000,000)	\$7,700,000 (\$2,900,000 - \$16,000,000)
	Total Value of Health Benefits		\$44,000,000 (\$18,000,000 - \$86,000,000)	\$35,000,000 (\$14,000,000 - \$67,000,000)	\$21,000,000 (\$8,200,000 - \$40,000,000)	\$10,000,000 (\$4,100,000 - \$20,000,000)
	Deaths Avoided from Active Mobility			45 (29 - 62)	31 (21 - 41)	15 (10 - 20)
			2.6	2	1.3	
	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	[2.9]		Z		0.66
Maryland	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality			42 (26 - 59)	25 (16 - 36)	0.66 12 (7.7 - 18)
		62 (36 - 90)	53 (32 - 76)	42 (26 - 59) 2.5 (1 - 4)	25 (16 - 36) 1.5 (0.61 - 2.4)	12 (7.7 - 18) 0.74 (0.3 - 1.2)
Maryland Maryland	Deaths Avoided from Improved Air Quality	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33)	2.5 (1 - 4) 18 (6.7 - 26)		12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8)
Maryland Maryland Maryland	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidence Avoided Childhood Asthma Exacerbations Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500)
Maryland Maryland Maryland Maryland	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100)) \$310,000,000 (\$140,000,000 - \$480,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (\$69,000,000 - \$240,000,000)
Maryland Maryland Maryland Maryland Maryland	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000) \$28,000,000 (\$28,000,000 - \$28,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2,600 (59 - 5,100) 3310,000,000 (5140,000,000 - \$480,000,000) \$13,000,000 (\$13,000,000 - \$13,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (\$69,000,000 - \$240,000,000) \$6,300,000 (\$6,300,000 - \$6,300,000)
Maryland Maryland Maryland Maryland Maryland Maryland	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000 \$28,000,000 (\$2,000,000 - \$2,000,000) \$640,000,000 (\$220,000,000 - \$1,300,000,000,000	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$430,000,000 (\$160,000,000 - \$860,000,000	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) (5310,000,000 (5140,000,000 - 5480,000,000) \$13,000,000 (513,000,000 - 513,000,000) (5260,000,000 (599,000,000 - 5530,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (\$69,000,000 - \$240,000,000) \$6,300,000 (\$6,300,000 - \$6,300,000) \$120,000,000 (\$47,000,000 - \$260,000,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000 \$28,000,000 (\$28,000,000 - \$28,000,000) \$540,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000) \$555,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$430,000,000 (\$160,000,000 - \$860,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,000	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) \$310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$13,000,000 - \$13,000,000) \$2560,000,000 (\$99,000,000 - \$530,000,000) \$5580,000,000 (\$250,000,000 - \$1,000,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (\$69,000,000 - \$240,000,000) \$63,300,000 (\$6,300,000 - \$63,000,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$280,000,000 (\$120,000,000 - \$510,000,000)
Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5570,000,000 (\$300,000,000 - \$1,000,000) 528,000,000 (\$28,000,000 - \$28,000,000) \$640,000,000 (\$220,000,000 - \$1,300,000,000) \$1,300,000,000 (\$550,000,000 - \$2,400,000,000) 28 (19 - 38)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$550,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$20,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,00 24 (15 - 32)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$430,000,000 (\$160,000,000 - \$686,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,000 17 (10 - 24)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2,600 (59 - 5,100) (5310,000,000 (5140,000,000 - \$480,000,000) 513,000,000 (519,000,000 - \$13,000,000) (\$260,000,000 (\$99,000,000 - \$53,000,000) (\$580,000,000 (\$250,000,000 - \$1,000,000,000) 14 (9.1 - 19)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 56,300,000 (563,000,000 - \$6,300,000) 5120,000,000 (547,000,000 - \$260,000,000) 5280,000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4)
Maryland Massachusetts Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000) \$282,000,000 (\$28,000,000 - \$28,000,000) \$440,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$28 (19 - 38) 2.5	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$550,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 24 (15 - 32) 2.1	2.5 (1 - 4) 18 (5.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000) \$430,000,000 (\$190,000,000 - \$19,000,000) \$430,000,000 (\$160,000,000 - \$860,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,00 \$17 (10 - 24) 1.6	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) (5310,000,000 (5140,000,000 - 5480,000,000) \$13,000,000 (513,000,000 - 513,000,000) (5260,000,000 (599,000,000 - 530,000,000) (0588,000,000 (5250,000,000 - 51,000,000,000) 14 (9.1 - 19) 1.3	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) \$63,000,000 (563,300,000 - \$6,300,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$280,0000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massachusetts Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000) \$282,000,000 (\$28,000,000 - \$28,000,000) \$440,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$28 (19 - 38) 2.5	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$550,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$20,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,00 24 (15 - 32)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$343,000,000 (\$160,000,000 - \$660,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,00 17 (10 - 24) 1.6 33 (21 - 47)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) \$310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$913,000,000 - \$13,000,000) \$266,000,000 (\$99,000,000 - \$530,000,000) \$2580,000,000 (\$250,000,000 - \$1,000,000,000 14 (9.1 - 19) 1.3 18 (11 - 26)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (\$69,000,000 - \$240,000,000) \$63,000,000 (\$63,000,000 - \$63,000,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$120,000,000 (\$47,000,000 - \$510,000,000) 7(4.6 - 9.4) 0.64 9 (5.6 - 13)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massachusetts Massachusetts Massachusetts Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5570,000,000 (\$300,000,000 - \$1,000,000 528,000,000 (\$28,000,000 - \$2,400,000) \$640,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 28 (19 - 38) 2.5 38 (23 - 56) 3.9 (1.5 - 6.3)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$550,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$200,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$24 (15 - 32) 2.1 37 (23 - 54)	2.5 (1 - 4) 18 (5.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000) \$430,000,000 (\$190,000,000 - \$19,000,000) \$430,000,000 (\$160,000,000 - \$860,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,00 \$17 (10 - 24) 1.6	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) (5310,000,000 (5140,000,000 - 5480,000,000) \$13,000,000 (513,000,000 - 513,000,000) (5260,000,000 (599,000,000 - 530,000,000) (0588,000,000 (5250,000,000 - 51,000,000,000) 14 (9.1 - 19) 1.3	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) \$63,000,000 (563,300,000 - \$6,300,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$280,0000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massachusetts Massachusetts Massachusetts Massachusetts Massachusetts Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Evacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5570,000,000 (\$300,000,000 - \$1,000,000 528,000,000 (\$28,000,000 - \$2,400,000) \$640,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 28 (19 - 38) 2.5 38 (23 - 56) 3.9 (1.5 - 6.3)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$525,000,000 (\$25,000,000 - \$25,000,000) \$555,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 24 (15 - 32) 2.1 3.7 (23 - 54) 3.6 (1.4 - 5.7)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$430,000,000 (\$19,000,000 - \$860,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,00 17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2,600 (59 - 5,100) (5310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$140,000,000 - \$13,000,000) \$260,000,000 (\$99,000,000 - \$53,000,000) (\$580,000,000 (\$250,000,000 - \$1,000,000,000 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 5150,000,000 (563,000,000 - \$6,300,000) 5120,000,000 (547,000,000 - \$260,000,000) 7(4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000,000 \$528,000,000 (\$28,000,000 - \$28,000,000) \$540,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,500,500 (\$550,000,000 - \$1,300,000,000 \$1,300,500,500 (\$1,300,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$1,300,000,000 \$1,300,500,500 (\$1,300,000,000 - \$1,300,000,000 \$1,300,500,500,500,500,500,500,500 \$1,300,500,500,500,500,500,500,500 \$1,300,500,500,500,500,500,500,500,500 \$1,300,500,500,500,500,500,500,500,500 \$1,300,500,500,500,500,500,500,500,500 \$1,300,500,500,500,500,500,500,500,500,500	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$550,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,300,000 (\$490,000,000 - \$2,100,000,000 \$1,300,000 (\$490,000,000 - \$2,100,000,000 \$1,300,000 (\$490,000,000 - \$2,100,000,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300,000 - \$2,100,000 \$1,300	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$16,000,000 - \$19,000,000) \$19,000,000 (\$370,000,000 - \$1,600,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (12 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) \$310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$2580,000,000 (\$93,000,000 - \$530,000,000) \$580,000,000 (\$250,000,000 - \$1,000,000,000 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - 5240,000,000) 56300,000 (56,300,000 - 56,300,000) 5120,000,000 (547,000,000 - 5250,000,000) (5280,000,000 (5120,000,000 - 5510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5670,000,000 (\$300,000,000 - \$1,000,000,000 528,000,000 (\$28,000,000 - \$28,000,000) 5840,000,000 (\$220,000,000 - \$1,300,000,000 5840,000,000 (\$550,000,000 - \$2,400,000,000 28 (19 - 38) 2.5 3.8 (23 - 56) 3.9 (1.5 - 6.3) 1.3 (5 - 19) 4.200 (99 - 8,400) 5300,000,000 (\$140,000,000 - \$460,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$550,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,500,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,500,500,500,500,500,500,500,500,500	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$16,000,000 - \$19,000,000) \$19,000,000 (\$370,000,000 - \$1,600,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (12 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) \$310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$2580,000,000 (\$93,000,000 - \$530,000,000) \$580,000,000 (\$250,000,000 - \$1,000,000,000 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (569,000,000 - \$240,000,000) \$150,000,000 (\$63,000,000 - \$63,000,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$280,000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000) \$640,000,000 (\$220,000,000 - \$2,400,000) \$543,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$1,000,000 - \$4,000,000) \$1,300,000,000 (\$1,000,000 - \$4,000,000) \$1,300,000 (\$1,000,000 - \$2,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 2.2 (8.6 - 33) 5.400 (130 - 11,000) 5500,000,000 (5270,000,000 - 5940,000,000) 5250,000,000 (525,000,000 - 525,000,000) 5550,000,000 (520,000,000 - 51,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,00 24 (15 - 32) 2.1 3.7 (23 - 54) 3.6 (1.4 - 5.7) 13 (4.8 - 19) 3.900 (89 - 7,700) 5250,000,000 (\$110,000,000 - \$380,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$430,000,000 (\$160,000,000 - \$680,000,000 \$430,000,000 (\$160,000,000 - \$680,000,000 \$110,000,000 (\$370,000,000 - \$1,600,000,00 \$17 (10 - 24) 1.6 33 (21 - 47) 33 (12 - 48) 11 (4.2 - 17) 3,300 (74 - 6,600) \$15,000,000 (\$15,000,000 - \$280,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) 13310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$13,000,000 - \$13,000,000) \$13,000,000 (\$99,000,000 - \$530,000,000) \$2560,000,000 (\$99,000,000 - \$530,000,000) \$3580,000,000 (\$250,000,000 - \$1,000,000,00) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$12,000,0000 (\$12,000,000 - \$12,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 5120,000,000 (56,300,000 - \$6,300,000) 5120,000,000 (547,000,000 - \$260,000,000) 5280,000,000 (5120,000,000 - \$510,000,000) 7(4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 573,000,000 (\$54,000,000 - \$110,000,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5570,000,000 (\$300,000,000 - \$1,000,000) 528,000,000 (\$28,000,000 - \$22,000,000) 5840,000,000 (\$22,000,000 - \$1,300,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 528 (19 - 38) 2.5 3.8 (23 - 56) 3.9 (1.5 - 6.3) 13 (5 - 19) 4.200 (99 - 8,400) 524,000,000 (\$140,000,000 - \$460,000,000) 524,000,000 (\$140,000,000 - \$400,000,000 524,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$820,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 2.2 (8.6 - 33) 5.400 (130 - 11,000) 550,000,000 (527,000,000 - 525,000,000) 5550,000,000 (525,000,000 - 525,000,000) 5550,000,000 (520,000,000 - 51,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (510,000,000 - 5380,000,000) 520,000,000 (510,000,000 - 520,000,000) 520,000,000 (5140,000,000 - 5790,000,000) 5550,000,000 (5140,000,000 - 579,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$160,000,000 - \$1,600,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$180,000,000 (\$77,000,000 - \$280,000,000) \$15,000,000 (\$77,000,000 - \$15,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$5340,000,000 (\$15,000,000 - \$15,000,000) \$5340,000,000 (\$20,000,000 - \$99,000,000)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) 1,531(0.00,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$140,000,000 - \$13,000,000) \$13,000,000 (\$13,000,000 - \$13,000,000) \$2560,000,000 (\$99,000,000 - \$530,000,000) \$(\$580,000,000 (\$250,000,000 - \$1,000,000,000) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$12,000,000 (\$12,000,000 - \$1,000,000) \$12,000,000 (\$560,000,000 - \$30,000,000) \$199,000,000 (\$68,000,000 - \$30,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 5120,000,000 (569,000,000 - \$63,00,000) 5120,000,000 (\$47,000,000 - \$63,00,000) 5280,000,000 (\$120,000,000 - \$510,000,000) 7(4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 573,000,000 (\$34,000,000 - \$110,000,000) \$61,00,000 (\$6,100,000 - \$6,100,000) \$93,000,000 (\$34,000,000 - \$190,000,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Deaths Avoided from Active Mobility	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) \$670,000,000 (\$300,000,000 - \$1,000,000) \$640,000,000 (\$220,000,000 - \$2,400,000) \$543,000,000 (\$220,000,000 - \$1,300,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$550,000,000 - \$2,400,000,000 \$1,300,000,000 (\$140,000,000 - \$460,000,000) \$24,000,000 (\$140,000,000 - \$24,000,000) \$240,000,000 (\$140,000,000 - \$24,000,000) \$270,000,000 (\$140,000,000 - \$24,000,000) \$270,000,000 (\$140,000,000 - \$1,300,000,000,000 \$271,000,000 (\$140,000,000 - \$1,300,000,000,000,000,000,000,000,000,00	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$600,000,000 (\$270,000,000 - \$940,000,000) \$550,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$140,000,000 - \$380,000,000) \$200,000,000 (\$110,000,000 - \$20,000,000) \$280,000,000 (\$140,000,000 - \$790,000,000) \$280,000,000 (\$140,000,000 - \$790,000,000) \$280,000,000 (\$140,000,000 - \$790,000,000) \$280,000,000 (\$140,000,000 - \$790,000,000) \$280,000,000 (\$280,000,000 - \$1,200,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) 5460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$680,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,000 \$11,000,000 (\$370,000,000 - \$1,600,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$15,000,000 (\$77,000,000 - \$280,000,000) \$515,000,000 (\$15,000,000 - \$15,000,000) \$340,000,000 (\$130,000,000 - \$690,000,000) \$350,000,000 (\$220,000,000 - \$980,000,000)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) 13310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$140,000,000 - \$13,000,000) \$13,000,000 (\$99,000,000 - \$13,000,000) \$2560,000,000 (\$99,000,000 - \$530,000,000) \$2560,000,000 (\$250,000,000 - \$1,000,000,000) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$12,000,000 (\$12,000,000 - \$12,000,000) \$12,000,000 (\$68,000,000 - \$380,000,000) \$340,000,000 (\$150,000,000 - \$620,000,000) \$340,000,000 (\$150,000,000 - \$620,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) \$150,000,000 (\$69,000,000 - \$240,000,000) \$150,000,000 (\$65,300,000 - \$63,00,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$220,000,000 (\$120,000,000 - \$510,000,000) \$74.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$53,000,000 (\$34,000,000 - \$610,000,000) \$593,000,000 (\$34,000,000 - \$190,000,000) \$5170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of In Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Safety in Numbers Effect Deaths Avoided from Active Mobility Safety in Numbers Effect Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility With Safety in Numbers Effect	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5670,000,000 (\$300,000,000 - \$1,000,000) 528,000,000 (\$28,000,000 - \$2,400,000) 5640,000,000 (\$22,000,000 - \$1,300,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 28 (19 - 38) 2.5 3.9 (1.5 - 6.3) 13 (5 - 19) 4,200 (99 - 8,400) 5300,000,000 (\$24,000,000 - \$460,000,000) 524,000,000 (\$24,000,000 - \$24,000,000) 5310,000,000 (\$140,000,000 - \$40,000,000) 5710,000,000 (\$140,000,000 - \$820,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) \$550,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000) \$555,000,000 (\$250,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 24 (15 - 32) 2.1 3.6 (1.4 - 5.7) 13 (4.8 - 19) 3.6 (1.4 - 5.7) 13 (4.8 - 19) 3.900 (89 - 7,700) \$250,000,000 (\$210,000,000 - \$230,000,000) \$250,000,000 (\$210,000,000 - \$380,000,000) \$250,000,000 (\$120,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$16,000,000 - \$16,000,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$180,000,000 (\$77,000,000 - \$280,000,000) \$180,000,000 (\$15,000,000 - \$15,000,000) \$530,000,000 (\$15,000,000 - \$15,000,000) \$530,000,000 (\$130,000,000 - \$15,000,000) \$530,000,000 (\$220,000,000 - \$980,000,000) \$530,000,000 (\$270,000,000 - \$980,000,000) \$530,000,000 (\$200,000,000 - \$980,000,000) \$530,000,000 (\$200,000,000 - \$980,000,000)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5,100) 3.310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$13,000,000 (\$90,000,000 - \$513,000,000) \$2580,000,000 (\$90,000,000 - \$1,000,000,000) 4.4 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$12,000,000 - \$12,000,000) \$154,000,000 (\$58,000,000 - \$380,000,000) \$154,000,000 (\$12,000,000 - \$380,000,000) \$154,000,000 (\$150,000,000 - \$620,000,000) \$154,000,000 (\$150,000,000 - \$620,000,000) \$154,000,000 (\$150,000,000 - \$620,000,000) \$154,000,000 (\$150,000,000 - \$620,000,000) \$154,000,000 (\$150,000,000 - \$620,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (\$69,000,000 - \$240,000,000) \$120,000,000 (\$63,00,000 - \$6,300,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$120,000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$53,000,000 (\$34,000,000 - \$100,000,000) \$170,000,000 (\$75,000,000 - \$190,000,000) \$170,000,000 (\$75,000,000 - \$100,000,000) 0.2 (0.13 - 0.27)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts New Hampshire New Hampshire	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility Added Deaths Avoidedfrom Active Mobility Deaths Avoided from Improved Air Quality	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 570,000,000 (5300,000,000 - \$1,000,000) 5840,000,000 (528,000,000 - \$28,000,000) 5840,000,000 (528,000,000 - \$1,300,000,000) 5840,000,000 (5220,000,000 - \$1,300,000,000) 5840,000,000 (5550,000,000 - \$2,400,000,000) 28 (19 - 38) 2.5 3.8 (23 - 56) 3.9 (1.5 - 6.3) 13 (5 - 19) 4.200 (99 - 8,400) 5200,000 (5140,000,000 - \$460,000,000) 524,000,000 (5140,000,000 - \$400,000,000) 524,000,000 (5140,000,000 - \$24,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 1.5 (0.88 - 2) 0.11 3.7 (2.2 - 5.6)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) 550,000,000 (527,000,000 - 525,000,000) 5550,000,000 (525,000,000 - 525,000,000) 5550,000,000 (525,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 520,000,000 (510,000,000 - 5380,000,000) 520,000,000 (520,000,000 - 520,000,000) 520,000,000 (510,000,000 - 5790,000,000) 5550,000,000 (5140,000,000 - 51,200,000,000 99 (0.66 - 1.3) 0.081 3.7 (2.3 - 5.5)	2.5 (1 - 4) 18 (5.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000 \$430,000,000 (\$190,000,000 - \$19,000,000 \$430,000,000 (\$190,000,000 - \$1,600,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,000 \$11,000,000 (\$370,000,000 - \$1,600,000,000 \$12,000,000 (\$77,000,000 - \$280,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$15,000,000 (\$130,000,000 - \$980,000,000) \$340,000,000 (\$220,000,000 - \$980,000,000) \$350,000,000 (\$220,000,000 - \$980,000,000) \$340,000 (\$220,000,000 - \$980,000,000)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) 1 (310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$13,000,000 - \$13,000,000) \$260,000,000 (\$99,000,000 - \$530,000,000) \$2580,000,000 (\$250,000,000 - \$1,000,000,000 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$12,000,000 - \$12,000,000) \$152,000,000 (\$12,000,000 - \$12,000,000) \$1540,000,000 (\$150,000,000 - \$20,000,000) 0.4 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 5120,000,000 (56,300,000 - \$6,300,000) 5120,000,000 (\$47,000,000 - \$260,000,000) 5280,000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 573,000,000 (\$34,000,000 - \$110,000,000) 56,100,000 (\$54,000,000 - \$6,100,000) 593,000,000 (\$34,000,000 - \$190,000,000) 5170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massa	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility With Safety in Numbers Effect Deaths Avoided from Active Mobility Health Senefits Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) 5670,000,000 (5300,000,000 - 51,000,000) 5640,000,000 (528,000,000 - 528,000,000) 528,000,000 (528,000,000 - 528,000,000) 543,000,000 (520,000,000 - 51,300,000,000 51,300,000,000 (5550,000,000 - 52,400,000,000 51,300,000,000 (5550,000,000 - 52,400,000,000 51,300,000,000 (5550,000,000 - 52,400,000,000 13 (5 - 19) 4,200 (99 - 8,400) 524,000,000 (5140,000,000 - 5460,000,000) 524,000,000 (5140,000,000 - 522,000,000) 524,000,000 (5140,000,000 - 522,000,000) 52710,000,000 (5140,000,000 - 51,300,000,000 1.5 (0.88 - 2) 0.11 3.7 (2.2 - 5.6) 0.45 (0.17 - 0.73)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$550,000,000 (\$270,000,000 - \$940,000,000) \$5550,000,000 (\$25,000,000 - \$25,000,000) \$5550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$110,000,000 - \$380,000,000) \$250,000,000 (\$110,000,000 - \$790,000,000) \$280,000,000 (\$280,000,000 - \$790,000,000) \$380,000,000 (\$280,000,000 - \$1,200,000,000 0.99 (0.66 - 1.3) 0.081 3.7 (2.3 - 5.5) 0.41 (0.16 - 0.67)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) 5460,000,000 (\$190,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$910,000,000 (\$160,000,000 - \$680,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 33 (12 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$11,000,000 (\$77,000,000 - \$280,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$340,000,000 (\$130,000,000 - \$690,000,000) \$350,000,000 (\$220,000,000 - \$980,000,000) 0.53 (0.32 - 0.74) 0.046 3.4 (2.1 - 4.9) 0.35 (0.14 - 0.57)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) 13310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$13,000,000 - \$13,000,000) \$13,000,000 (\$99,000,000 - \$530,000,000) \$2560,000,000 (\$99,000,000 - \$530,000,000) \$15260,000,000 (\$99,000,000 - \$1,000,000,000) \$14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$68,000,000 - \$12,000,000) \$152,000,000 (\$150,000,000 - \$10,000,000) \$15340,000,000 (\$150,000,000 - \$620,000,000) 0.4 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - 5240,000,000) 5120,000,000 (565,300,000 - 56,300,000) 5120,000,000 (565,300,000 - 56,300,000) 5220,000,000 (5120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 573,000,000 (534,000,000 - \$110,000,000) 583,000,000 (534,000,000 - \$190,000,000) 583,000,000 (534,000,000 - \$190,000,000) 5870,000,000 (575,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016 0.99 (0.393 - 0.16)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massa	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of In Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5670,000,000 (\$300,000,000 - \$1,000,000) 528,000,000 (\$28,000,000 - \$28,000,000) 5640,000,000 (\$22,000,000 - \$1,300,000,000 5640,000,000 (\$520,000,000 - \$1,300,000,000 38 (13 - 56) 3.9 (1.5 - 6.3) 13 (5 - 19) 4,200 (99 - 8,400) 5300,000,000 (\$24,000,000 - \$24,000,000) 524,000,000 (\$24,000,000 - \$24,000,000) 524,000,000 (\$140,000,000 - \$24,000,000) 5390,000,000 (\$140,000,000 - \$24,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000] 5710,000,000 (\$140,000,000 - \$1,300,000,000] 5710,000,000 (\$140,000,000 - \$1,300,000,000] 5	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5,400 (130 - 11,000) 5500,000,000 (\$270,000,000 - \$940,000,000) \$25,000,000 (\$25,000,000 - \$25,000,000) \$25,000,000 (\$25,000,000 - \$2,100,000,000 \$550,000,000 (\$20,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 24 (15 - 32) 2.1 3.7 (123 - 54) 3.6 (1.4 - 5.7) 13 (4.8 - 19) 3.900 (89 - 7,700) \$250,000,000 (\$10,000,000 - \$380,000,000) \$250,000,000 (\$20,000,000 - \$20,000,000) \$250,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$1,200,000,000) \$550,000,000	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$16,000,000 - \$16,000,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$180,000,000 (\$77,000,000 - \$280,000,000) \$180,000,000 (\$77,000,000 - \$280,000,000) \$180,000,000 (\$15,000,000 - \$15,000,000) \$530,000,000 (\$15,000,000 - \$980,000,000) \$530,000,000 (\$220,000,000 - \$980,000,000) \$530,000 (\$00,000 - \$00,000 - \$00,000,000) \$340,000,000 (\$10,000,000 - \$00,000,000) \$340,000,000 (\$10,000,000 - \$00,000,000) \$340,000,000 (\$10,000,000 - \$00,000,000) \$350,000,000 (\$10,000,000 - \$00,000,000) \$350,000,000 (\$10,000,000 - \$00,000,000) \$340,000,000 (\$10,000,000 - \$00,000,000) \$350,000,000 (\$10,000,000 - \$00,000,000) \$350,014 - 0.57) 1.1 (0.43 - 1.7)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5.100) 3310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$13,000,000 (\$99,000,000 - \$510,000,000) \$2580,000,000 (\$99,000,000 - \$1,000,000,000) \$2580,000,000 (\$250,000,000 - \$1,000,000,000) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$12,000,000 (\$68,000,000 - \$12,000,000) \$190,000,000 (\$68,000,000 - \$380,000,000) \$340,000,000 (\$510,000,000 - \$620,000,000) \$140,000,000 (\$10,000,000 - \$620,000,000) \$181 (1.1 - 2.7) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 5150,0000,000 (569,000,000 - \$260,000,000) 5120,000,000 (547,000,000 - \$260,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 573,000,000 (\$34,000,000 - \$110,000,000) 573,000,000 (\$34,000,000 - \$10,000,000) 593,000,000 (\$34,000,000 - \$100,000,000) 593,000,000 (\$34,000,000 - \$190,000,000) 5170,000,000 (\$75,000,000 - \$190,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.099 (0.039 - 0.16) 0.31 (0.12 - 0.46)
Maryland Massachusetts Massachuse	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) 5670,000,000 (5300,000,000 - 51,000,000) 5840,000,000 (528,000,000 - 528,000,000) 5840,000,000 (5220,000,000 - 52,400,000,000 5840,000,000 (5220,000,000 - 52,400,000,000 28 (19 - 38) 2.5 3.9 (1.5 - 6.3) 13 (5 - 19) 4,200 (99 - 8,400) 5230,000,000 (5140,000,000 - 5460,000,000) 524,000,000 (5140,000,000 - 5460,000,000) 524,000,000 (5140,000,000 - 524,000,000) 5210,000,000 (5140,000,000 - 51,300,000,000) 5710,000,000 (5140,000,000 - 51,300,000,000) 1.5 (0.88 - 2) 0.11 3.7 (2.2 - 5.6) 0.45 (0.17 - 0.73) 1.2 (0.47 - 1.8) 270 (6.3 - 540)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) 550,000,000 (5270,000,000 - \$940,000,000) \$550,000,000 (\$25,000,000 - \$25,000,000) \$550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$110,000,000 - \$2,100,000,000 \$1,200,000 (\$110,000,000 - \$380,000,000) \$20,000,000 (\$100,000,000 - \$20,000,000) \$20,000,000 (\$140,000,000 - \$70,000,000) \$550,000,000 (\$140,000,000 - \$70,000,000) \$550,000,000 (\$140,000,000 - \$1,200,000,000 \$550,000,000 (\$140,000,000 - \$1,200,000 \$550,000,000 (\$140	2.5 (1 - 4) 18 (5.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000 \$450,000,000 (\$190,000,000 - \$19,000,000 \$430,000,000 (\$190,000,000 - \$19,000,000 \$430,000,000 (\$160,000,000 - \$660,000,000 \$910,000,000 (\$370,000,000 - \$1,600,000,00 \$11,000,000 (\$370,000,000 - \$1,600,000,000 \$12,1 - 47) \$11 (4.2 - 17) \$11 (4.2 - 17) \$13,00 (74 - 6,600) \$150,000 (\$77,000,000 - \$15,000,000 \$150,000 (\$77,000,000 - \$15,000,000 \$150,000 (\$130,000,000 - \$980,000,000 \$150,000 (\$120,000,000 - \$980,000,000 \$150,000 (\$10,000,000 - \$10,000,000 \$150,000 (\$10,000,000 - \$10,000,000 \$150,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$150,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000,000 \$11,000,000 (\$10,000,000 - \$10,000 - \$10,000 \$11,000,000 (\$10,000,000 - \$10,000 - \$10,000 \$11,000,000 (\$10,000 - \$10,000 - \$10,000 \$11,000,000 (\$10,000 - \$10,000 - \$1	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5,100) 1.5310,000,000 (\$140,000,000 - \$480,000,000) 1.530,000,000 (\$13,000,000 - \$13,000,000) 1.5260,000,000 (\$99,000,000 - \$530,000,000) 1.5260,000,000 (\$99,000,000 - \$530,000,000) 1.5260,000,000 (\$250,000,000 - \$1,000,000,000 1.4 (9.1 - 19) 1.3 1.8 (11 - 26) 1.7 (10.68 - 2.8) 6.2 (2.4 - 9.1) 1.900 (43 - 3,700) 1.510,000,000 (\$68,000,000 - \$220,000,000) 1.510,000,000 (\$68,000,000 - \$220,000,000) 1.510,000,000 (\$68,000,000 - \$380,000,000) 1.510,000,000 (\$150,000,000 - \$620,000,000) 1.5340,000,000 (\$150,000,000 - \$620,000,000) 1.8 (1.1 - 2.7) 1.8 (1.1 - 2.7) 1.8 (1.1 - 2.7) 1.62 (0.23 - 0.91) 1.30 (2.8 - 250)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (\$69,000,000 - \$240,000,000) \$150,000,000 (\$65,300,000 - \$6,300,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$280,000,000 (\$120,000,000 - \$510,000,000) 7(4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$510,000 (\$61,000,000 - \$61,000,000) \$510,000 (\$54,000,000 - \$10,000,000) \$170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.099 (0.039 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 + 130)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massa	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility With Safety in Numbers Effect Deaths Avoided from Active Mobility Health Senefits Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) 5670,000,000 (5300,000,000 - \$1,000,000) 5640,000,000 (\$220,000,000 - \$22,000,000) 543,000,000 (\$220,000,000 - \$2,400,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 51,300,000,000 (\$550,000,000 - \$2,400,000,000 13 (5 - 19) 4,200 (99 - 8,400) 524,000,000 (\$140,000,000 - \$460,000,000) 524,000,000 (\$24,000,000 - \$22,000,000) 524,000,000 (\$140,000,000 - \$420,000,000) 5390,000,000 (\$140,000,000 - \$220,000,000) 5710,000,000 (\$300,000,000 - \$1,300,000,000 1.5 (0.88 - 25) 0.11 3.7 (2.2 - 5.6) 0.45 (0.17 - 0.73) 1.2 (0.47 - 1.8) 270 (6.3 - 540) 515,000,000 (\$5,400,000 - \$24,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$550,000,000 (\$270,000,000 - \$940,000,000) \$5550,000,000 (\$270,000,000 - \$25,000,000) \$5550,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$14,61 - 5.7) 13 (4.8 - 19) 3,900 (89 - 7,700) \$250,000,000 (\$110,000,000 - \$380,000,000) \$250,000,000 (\$110,000,000 - \$290,000,000) \$280,000,000 (\$20,000,000 - \$790,000,000) \$380,000,000 (\$280,000,000 - \$1,200,000,000 \$380,000,000 (\$280,000,000 - \$1,200,000,000 \$380,000,000 (\$140,000,000 - \$1,000,000 \$380,000,000 (\$140,000,000 - \$1,000,000 \$380,000,000 (\$140,000,000 - \$1,000,000 \$380,000,000 (\$140,000,000 - \$1,000,000 \$380,000,000 (\$140,000,000 - \$1,000,000 \$380,000,000 (\$140,000,000 - \$1,000,000 \$380,000,000 (\$140,000	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) 5460,000,000 (\$19,000,000 - \$720,000,000 519,000,000 (\$19,000,000 - \$19,000,000) 519,000,000 (\$19,000,000 - \$19,000,000) 510,000,000 (\$160,000,000 - \$860,000,000 510,000,000 (\$370,000,000 - \$1,600,000,00 17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) 515,000,000 (\$77,000,000 - \$280,000,000) 515,000,000 (\$15,000,000 - \$15,000,000) 5340,000,000 (\$77,000,000 - \$980,000,000 5350,002,000 (\$0,000,000 - \$980,000,000 0.53 (0.32 - 0.74) 0.046 0.043 (1.4 - 9.57) 1.1 (0.43 - 1.7) 2.30 (\$5 - 450) 55,500,000 (\$2,400,000 - \$8,600,000)	1.5 (0.61 - 2.4) 11 (4.1 - 16) 2,600 (59 - 5,100) 3310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$15,000,000 (\$99,000,000 - \$530,000,000) (\$580,000,000 (\$99,000,000 - \$1,000,000,000) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$150,000,000 (\$68,000,000 - \$220,000,000) \$1510,000,000 (\$68,000,000 - \$300,000,000) \$1510,000,000 (\$68,000,000 - \$300,000,000) \$1510,000,000 (\$68,000,000 - \$620,000,000) 0.4 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91) 130 (2.8 - 250) \$4,200,000 (\$1,900,000 - \$6,500,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (\$69,000,000 - \$240,000,000) \$150,000,000 (\$65,300,000 - \$6,300,000) \$120,000,000 (\$65,300,000 - \$260,000,000) \$220,000,000 (\$47,000,000 - \$260,000,000) \$280,000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$61,00,000 (\$61,00,000 - \$61,00,000) \$93,000,000 (\$34,000,000 - \$190,000,000) \$170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.099 (0.039 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 - 130) \$2,100,000 (\$95,000 (\$95,000,000) \$2,200,000 (\$95,000 (\$95,000) \$2,100,000 (\$95,000 (\$95,000) \$2,100,000 (\$95,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massa	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5570,000,000 (\$300,000,000 - \$1,000,000) 528,000,000 (\$28,000,000 - \$22,000,000) 5640,000,000 (\$22,000,000 - \$1,300,000,000 5640,000,000 (\$550,000,000 - \$2,400,000,000 38 (13 - 56) 3.9 (1.5 - 6.3) 13 (5 - 19) 4.200 (99 - 8,400) 5300,000,000 (\$24,000,000 - \$24,000,000) 524,000,000 (\$24,000,000 - \$24,000,000) 524,000,000 (\$140,000,000 - \$460,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$24,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 571,000,000 (\$1,300,000,000 - \$1,300,000,000 571,000,000 (\$1,300,000,000 - \$1,300,000,000 571,000,000 (\$1,300,000,000 - \$1,300,000,000 571,000,000 (\$1,300,000,000 - \$1,300,000,000 571,000,000 (\$1,300,000,000,000,000 571,000,000 (\$1,300,000,000,000,000) 571,000,000 (\$1,300,000,000,000,000,000) 571,000,000 (\$1,300,000,000,000,000,000,000) 571,000,000 (\$1,300,000,000,000,000,000,000,000,000,00	53 (32 - 76) 3.1 (1.3 - 5) 2.2 (8.6 - 33) 5.400 (130 - 11,000) \$600,000 (\$270,000,000 - \$940,000,000) \$525,000,000 (\$25,000,000 - \$25,000,000) \$555,000,000 (\$255,000,000 - \$25,000,000) \$555,000,000 (\$200,000,000 - \$1,100,000,000) \$550,000,000 (\$490,000,000 - \$2,100,000,000) 24 (15 - 32) 2.1 3.7 (23 - 54) 3.6 (1.4 - 5.7) 13 (4.8 - 19) 3.900 (89 - 7,700) \$250,000,000 (\$10,000,000 - \$380,000,000) \$20,000,000 (\$20,000,000 - \$20,000,000) \$20,000,000 (\$10,000,000 - \$20,000,000) \$20,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$380,000,000 (\$140,000,000 - \$790,000,000) \$380,000,000 (\$140,000,000 - \$790,000,000) \$40,000,000 (\$140,000,000 - \$790,000,000) \$50,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$1,200,000,000) \$51,000,000 (\$40,000,000 - \$1,200,000,000) \$51,000,000 (\$40,000,000 - \$1,000,000) \$51,000,000 (\$40,000,000 - \$1,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$16,000,000 - \$16,000,000,000 \$11,000 - \$680,000,000 \$11,000 - \$680,000,000 \$11,000,000 (\$13,000,000 - \$1,600,000,000 \$11,000,000 (\$1,000,000 - \$1,600,000,000 \$180,000,000 (\$77,000,000 - \$280,000,000) \$180,000,000 (\$77,000,000 - \$15,000,000) \$180,000,000 (\$15,000,000 - \$15,000,000) \$180,000,000 (\$15,000,000 - \$15,000,000) \$180,000,000 (\$10,000,000 - \$15,000,000) \$180,000,000 (\$10,000,000 - \$10,000,000) \$180,000,000 (\$10,000,000	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5.100) 310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$13,000,000 (\$90,000,000 - \$510,000,000) \$2580,000,000 (\$90,000,000 - \$1,000,000,000) \$2580,000,000 (\$250,000,000 - \$1,000,000,000) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.900 (43 - 3,700) \$150,000,000 (\$68,000,000 - \$220,000,000) \$12,000,000 (\$12,000,000 - \$12,000,000) \$190,000,000 (\$68,000,000 - \$380,000,000) \$340,000,000 (\$150,000,000 - \$620,000,000) \$184 (1.1 - 2.7) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91) 130 (2.8 - 250) \$4,200,000 (\$15,900,000 - \$6,500,000) \$310,000 (\$15,900,000 - \$650,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (\$69,000,000 - \$240,000,000) \$150,000,000 (\$63,000,000 - \$263,000,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$120,000,000 (\$120,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$53,000,000 (\$54,000,000 - \$6,100,000) \$53,000,000 (\$54,000,000 - \$510,000,000) \$170,000,000 (\$54,000,000 - \$190,000,000) \$170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.099 (0.039 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 - 130) \$2,100,000 (\$55,000,000 - \$3,200,000) \$52,2100,000 (\$55,000,000 - \$3,200,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts New Hampshire	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Deaths Avoided from Active Mobility Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5670,000,000 (5300,000,000 - 51,000,000) 5840,000,000 (528,000,000 - 528,000,000) 5840,000,000 (5220,000,000 - 52,400,000,000 5840,000,000 (5220,000,000 - 52,400,000,000 5840,000,000 (5550,000,000 - 52,400,000,000 5840,000,000 (5550,000,000 - 52,400,000,000 58 (19 - 38) 2.5 3.9 (1.5 - 6.3) 13 (5 - 19) 4,200 (99 - 8,400) 5300,000,000 (5140,000,000 - 5460,000,000) 524,000,000 (5140,000,000 - 524,000,000) 524,000,000 (5140,000,000 - 524,000,000) 5710,000,000 (5140,000,000 - 51,300,000,000 15 (0.88 - 2) 0.11 3.7 (2.2 - 5.6) 0.45 (0.17 - 0.73) 1.2 (0.47 - 1.8) 270 (6.3 - 540) 515,000,000 (56,400,000 - 524,000,000) 538,000,000 (56,400,000 - 524,000,000) 538,000,000 (514,000,000 - 524,000,000) 538,000,000 (514,000,000 - 524,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 2.2 (8.6 - 33) 5.400 (130 - 11,000) 550,000,000 (5270,000,000 - \$940,000,000) 555,000,000 (\$25,000,000 - \$25,000,000) 555,000,000 (\$200,000,000 - \$1,100,000,000 51,200,000,000 (\$490,000,000 - \$1,100,000,000 51,200,000,000 (\$490,000,000 - \$2,100,000,000 51,200,000,000 (\$490,000,000 - \$2,100,000,000 51,200,000,000 (\$490,000,000 - \$2,100,000,000 51,200,000,000 (\$110,000,000 - \$380,000,000) 520,000,000 (\$110,000,000 - \$20,000,000) 520,000,000 (\$110,000,000 - \$20,000,000) 520,000,000 (\$110,000,000 - \$790,000,000) 0,99 (0.66 - 1.3) 0.081 3.7 (2.3 - 5.5) 0.41 (0.16 - 0.67) 1.3 (0.48 - 1.9) 260 (5.9 - \$20) 510,000,000 (\$48,000,000 - \$16,000,000) 5280,000,000 (\$48,000,000 - \$16,000,000) 5280,000,000 (\$48,000,000 - \$16,000,000) 5280,000,000 (\$780,000 - \$780,000)	2.5 (1 - 4) 18 (6.7 - 26) 4,000 (91 - 7,900) \$460,000,000 (\$190,000,000 - \$720,000,000 \$430,000,000 (\$190,000,000 - \$1720,000,000 \$430,000,000 (\$190,000,000 - \$19,000,000 \$430,000,000 (\$160,000,000 - \$60,000,000 \$410,000,000 (\$370,000,000 - \$1,600,000,00 \$17 (10 - 24) 1.6 33 (21 - 47) 33 (12 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$118,000,000 (\$77,000,000 - \$280,000,000) \$150,000,000 (\$77,000,000 - \$15,000,000) \$240,000,000 (\$15,000,000 - \$15,000,000) \$340,000,000 (\$120,000,000 - \$980,000,000) \$340,000,000 (\$220,000,000 - \$980,000,000) \$340,010 (\$10,000,000 - \$10,000,000) \$340,010 (\$10,000,000 - \$10,000,000) \$340,000,000 (\$10,000,000 - \$10,000,000) \$340,000,000 (\$10,000,000 - \$10,000,000) \$340,000,000 (\$10,000,000 - \$10,000,000) \$340,000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,000,000 - \$10,000,000) \$350,0000 (\$10,0000 - \$10,000,000,000,000) \$350,0000 (\$10,0000 - \$10,000,000,000,000,000) \$350,0000 (\$10,0000 - \$10,0000,000,000,000,000,000,000,000,000	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5,100) (5310,000,000 (5140,000,000 - 5480,000,000) 5260,000,000 (513,000,000 - 513,000,000) (5260,000,000 (599,000,000 - 530,000,000) (5260,000,000 (599,000,000 - 51,000,000,000) (44 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1,900 (43 - 3,700) 5150,000,000 (588,000,000 - 5220,000,000) 512,000,000 (588,000,000 - 5220,000,000) 512,000,000 (588,000,000 - 5380,000,000) (3340,000,000 (5150,000,000 - 5380,000,000) (34 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91) 130 (2.8 - 2.50) 54,200,000 (519,000,000 - 56,500,000) 519,000,000 (519,000,000 - 56,500,000) (519,000,000 (519,000,000 - 5310,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (\$69,000,000 - \$240,000,000) \$150,000,000 (\$65,300,000 - \$6,300,000) \$120,000,000 (\$47,000,000 - \$66,000,000) \$120,000,000 (\$120,000,000 - \$510,000,000) \$280,000,000 (\$120,000,000 - \$510,000,000) \$7(4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$61,00,000 (\$61,00,000 - \$6,100,000) \$573,000,000 (\$34,000,000 - \$190,000,000) \$170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.099 (0.39 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 - 130) \$2,100,000 (\$950,000 - \$3,200,000) \$5160,000 (\$160,000 - \$16,00,000) \$95,000,000 (\$36,00,000 - \$120,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts Massa	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Added Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Active Mobility with Safety in Numbers Effect Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Air Quality Health Benefits	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6,800 (160 - 13,000) 5670,000,000 (5300,000,000 - 51,000,000) 5640,000,000 (528,000,000 - 528,000,000) 5640,000,000 (520,000,000 - 51,300,000,000 51,300,000,000 (5550,000,000 - 52,400,000,000 51,300,000,000 (5550,000,000 - 52,400,000,000 51,300,000,000 (5550,000,000 - 52,400,000,000 51,300,000,000 (5140,000,000 - 5460,000,000) 524,000,000 (5140,000,000 - 524,000,000) 524,000,000 (5140,000,000 - 520,000,000) 524,000,000 (5140,000,000 - 520,000,000) 5210,000,000 (5140,000,000 - 520,000,000) 5110,000,000 (510,000,000 - 51,300,000,000 1.5 (0.87 - 2) 0.11 3.7 (2.2 - 5.6) 0.45 (0.17 - 0.73) 1.2 (0.47 - 1.8) 270 (6.3 - 540) 515,000,000 (51,000,000 - \$24,000,000) 51,100,000 (51,000,000 - \$1,100,000) 513,000,000 (51,000,000 - \$1,100,000) 513,000,000 (51,100,000 - \$1,100,000) 538,000,000 (514,000,000 - \$2,000,000)	53 (32 - 76) 3.1 (1.3 - 5) 22 (8.6 - 33) 5.400 (130 - 11,000) \$550,000,000 (\$270,000,000 - \$940,000,000) \$550,000,000 (\$270,000,000 - \$25,000,000) \$555,000,000 (\$25,000,000 - \$25,000,000) \$51,200,000,000 (\$200,000,000 - \$1,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$1,200,000,000 (\$490,000,000 - \$2,100,000,000 \$14,000,000 (\$110,000,000 - \$380,000,000) \$250,000,000 (\$140,000,000 - \$790,000,000) \$280,000,000 (\$280,000,000 - \$790,000,000) \$380,000,000 (\$280,000,000 - \$1,200,000,000 \$380,000,000 (\$140,000,000 - \$1,200,000,000 \$380,000,000 (\$140,000,000 - \$1,200,000,000 \$380,000,000 (\$140,000,000 - \$1,200,000,000 \$380,000,000 (\$140,000,000 - \$1,200,000,000 \$780,000 (\$780,000 - \$780,000,000) \$780,000 (\$780,000 - \$780,000,000) \$38,000,000 (\$14,000,000 - \$80,000,000)	2.5 (1 - 4) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.7 - 26) 19 (0.000,000 (\$19,000,000 - \$720,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$11,000,000 (\$160,000,000 - \$860,000,000) \$11,000,000 (\$160,000,000 - \$860,000,000) \$11,000,000 (\$130,000,000 - \$1,600,000,000) \$11,000,000 (\$12,000,000 - \$1,600,000) \$11,000,000 (\$130,000 - \$15,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$15,000,000 (\$130,000,000 - \$690,000,000) \$15,000,000 (\$130,000,000 - \$690,000,000) \$15,000,000 (\$130,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5,100) 3310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$140,000,000 - \$13,000,000) \$13,000,000 (\$99,000,000 - \$13,000,000) \$15260,000,000 (\$99,000,000 - \$530,000,000) \$15260,000,000 (\$99,000,000 - \$1,000,000,000) \$14 (9.1 - 19) 1.3 1.8 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.990 (43 - 3,700) \$152,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$12,000,000 - \$12,000,000) \$15340,000,000 (\$150,000,000 - \$620,000,000) 0.4 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91) 130 (2.8 - 250) \$4,200,000 (\$110,000 - \$65,500,000) \$310,000 (\$1310,000 - \$310,000) \$19,000,000 (\$1310,000 - \$310,000) \$19,000,000 (\$1310,000 - \$310,000) \$23,000,000 (\$1310,000 - \$39,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - 5240,000,000) 5120,000,000 (569,000,000 - 5260,000,00) 5220,000,000 (563,00,000 - 563,00,000) 5220,000,000 (547,000,000 - \$510,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 930 (20 - 1,900) 951,000,000 (534,000,000 - 5110,000,000) 573,000,000 (534,000,000 - 519,000,000) 593,000,000 (534,000,000 - 519,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.99 (0.039 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 - 130) 52,100,000 (595,000 - \$3,200,000) 516,0000 (5160,000 - \$160,000) 515,0000 (5160,000 - \$160,000)
Maryland Massachusetts Massachuse	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Formation Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Data Avoided from Active Mobility Safety in Numbers Effect Value of Active Mobility Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5670,000,000 (\$300,000,000 - \$1,000,000) 528,000,000 (\$28,000,000 - \$28,000,000) 58640,000,000 (\$28,000,000 - \$1,300,000,000 58640,000,000 (\$25,000,000 - \$1,300,000,000 58640,000,000 (\$550,000,000 - \$2,400,000,000 58640,000,000 (\$550,000,000 - \$2,400,000,000 58640,000,000 (\$550,000,000 - \$2,400,000,000 5813,000,000 (\$140,000,000 - \$460,000,000) 524,000,000 (\$24,000,000 - \$24,000,000) 524,000,000 (\$140,000,000 - \$24,000,000) 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 5710,000,000 (\$140,000,000 - \$1,300,000,000 571,000,000 (\$140,000,000 - \$1,300,000,000 581,000,000 (\$140,000 - \$1,100,000) 583,000,000 (\$140,000 - \$1,100,000) 584,000,000 (\$140,000,000 - \$1,100,000) 584,000,000 (\$140,000,000 - \$1,100,000)	53 (32 - 76) 3.1 (1.3 - 5) 2.2 (8.6 - 33) 5.400 (130 - 11,000) \$600,000 (\$270,000,000 - \$240,000,000) \$525,000,000 (\$250,000,000 - \$25,000,000) \$555,000,000 (\$250,000,000 - \$2,100,000,000) \$555,000,000 (\$250,000,000 - \$2,100,000,000) \$550,000,000 (\$490,000,000 - \$2,100,000,000) 24 (15 - 32) 2.1 3.7 (23 - 54) 3.6 (1.4 - 5.7) 13 (4.8 - 19) 3.900 (89 - 7,700) \$250,000,000 (\$10,000,000 - \$380,000,000) \$20,000,000 (\$20,000,000 - \$20,000,000) \$20,000,000 (\$20,000,000 - \$20,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$550,000,000 (\$140,000,000 - \$790,000,000) \$650,000,000 (\$140,000,000 - \$790,000,000) \$1,1 (0.6 - 0.67) 1.3 (0.48 - 1.9) \$260 (\$59 - \$20) \$10,000,000 (\$4800,000 - \$16,000,000) \$780,000 (\$780,000 - \$780,000) \$38,000,000 (\$140,000,000 - \$80,000,000) \$780,000 (\$780,000 - \$780,000) \$38,000,000 (\$140,000,000 - \$80,000,000) \$780,000 (\$780,000 - \$780,000) \$780,000 (\$780,000 - \$790,000,000) \$763 - 1331]	2.5 (1 - 4) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.000,000 (\$19,000,000 - \$720,000,000 \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$16,000,000 - \$16,000,000,000 \$11,000 - \$16,000,000 - \$16,000,000,000 \$17 (10 - 24) 1.6 33 (21 - 47) 3 (1.2 - 4.8) 11 (4.2 - 17) 3,300 (74 - 6,600) \$180,000,000 (\$77,000,000 - \$280,000,000) \$180,000,000 (\$77,000,000 - \$15,000,000) \$180,000,000 (\$77,000,000 - \$15,000,000) \$180,000,000 (\$15,000,000 - \$15,000,000) \$340,000,000 (\$15,000,000 - \$15,000,000) \$340,000,000 (\$220,000,000 - \$980,000,000 \$35,000,000 (\$220,000,000 - \$980,000,000 \$34 (21 - 4.9) 0.35 (0.14 - 0.57) 1.1 (0.43 - 1.7) 230 (5 - 450) \$35,000,000 (\$240,000 - \$8,600,000) \$440,000 (\$240,000 - \$72,000,000) \$35,000,000 (\$13,000,000 - \$72,000,000) \$341,000,000 (\$13,000,000 - \$72,000,000) \$341,000,000 (\$13,000,000 - \$72,000,000)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5.100) 310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$130,000,000 - \$13,000,000) \$13,000,000 (\$90,000,000 - \$510,000,000) \$2580,000,000 (\$90,000,000 - \$10,000,000) \$2580,000,000 (\$250,000,000 - \$1,000,000,000) 14 (9.1 - 19) 1.3 18 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.900 (43 - 3,700) \$150,000,000 (\$580,000,000 - \$220,000,000) \$12,000,000 (\$12,000,000 - \$12,000,000) \$12,000,000 (\$12,000,000 - \$12,000,000) \$1340,000,000 (\$68,000,000 - \$380,000,000) \$1340,000,000 (\$12,000,000 - \$620,000,000) \$14 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91) 130 (2.8 - 250) 4,200,000 (\$1,900,000 - \$6,500,000) \$19,000,000 (\$1,900,000 - \$6,500,000) \$19,000,000 (\$1,900,000 - \$6,500,000) \$19,000,000 (\$1,900,000 - \$390,000,000) \$23,000,000 (\$9,000,000 - \$390,000,000) \$1330,000 (\$51,000,000 - \$340,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (\$69,000,000 - \$240,000,000) \$150,000,000 (\$63,000,000 - \$63,00,000) \$120,000,000 (\$47,000,000 - \$260,000,000) \$120,000,000 (\$120,000,000 - \$260,000,000) 7 (4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) \$73,000,000 (\$34,000,000 - \$110,000,000) \$53,000,000 (\$54,000,000 - \$6,100,000) \$53,000,000 (\$54,000,000 - \$6,100,000) \$170,000,000 (\$54,000,000 - \$10,000,000) \$170,000,000 (\$75,000,000 - \$310,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.099 (0.039 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 - 130) \$52,100,000 (\$55,000,000 - \$3,200,000) \$160,000 (\$160,000 - \$160,000) \$9,500,000 (\$3,600,000 - \$20,000,000) \$152,000,000 (\$3,600,000 - \$20,000,000) \$152,000,000 (\$3,600,000 - \$20,000,000)
Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Maryland Massachusetts New Hampshire	Deaths Avoided from Improved Air Quality Respiratory Hospitalizations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Incidences Avoided Value of Active Mobility Health Benefits Added Value of Active Mobility Safety in Numbers Effect Value of Air Quality Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility Added Deaths Avoidedfrom Active Mobility Added Deaths Avoided from Active Mobility Respiratory Hospitalizations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Formation Incidences Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Childhood Asthma Exacerbations Avoided Data Avoided from Active Mobility Safety in Numbers Effect Value of Active Mobility Health Benefits Total Value of Health Benefits Deaths Avoided from Active Mobility	62 (36 - 90) 3.5 (1.4 - 5.7) 27 (10 - 38) 6.800 (160 - 13,000) 5670,000,000 (5300,000,000 - 51,000,000) 5840,000 (528,000,000 - 528,000,000) 5840,000,000 (528,000,000 - 52,400,000,000 5840,000,000 (5250,000,000 - 52,400,000,000 5840,000,000 (5550,000,000 - 52,400,000,000 58 (19 - 38) 2.5 3.9 (1.5 - 6.3) 13 (5 - 19) 4.200 (99 - 8,400) 5300,000,000 (5140,000,000 - 5460,000,000) 524,000,000 (5140,000,000 - 524,000,000) 524,000,000 (5140,000,000 - 524,000,000) 5710,000,000 (5140,000,000 - 51,300,000,000 1.5 (0.88 - 2) 0.11 3.7 (2.2 - 5.6) 0.45 (0.17 - 0.73) 1.2 (0.47 - 1.8) 270 (6.3 - 540) 515,000,000 (56,400,000 - 52,4000,000) 584,000,000 (514,000,000 - 51,100,000) 585,000,000 (514,000,000 - 52,000,000) 584,000,000 (514,000,000 - 52,000,000) 585,000,000 (514,000,000 - 52,000,000) 585,000,000 (524,000,000 - 51,100,000) 585,000,000 (521,000,000 - 51,100,000)	53 (32 - 76) 3.1 (1.3 - 5) 2.2 (8.6 - 33) 5.400 (130 - 11,000) 550,000,000 (5270,000,000 - 5940,000,000) 555,000,000 (525,000,000 - 525,000,000) 555,000,000 (520,000,000 - 51,100,000,000 51,200,000,000 (5490,000,000 - 51,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (5490,000,000 - 52,100,000,000 51,200,000,000 (510,000,000 - 5380,000,000) 520,000,000 (510,000,000 - 520,000,000) 520,000,000 (510,000,000 - 520,000,000) 520,000,000 (510,000,000 - 520,000,000) 520,000,000 (5140,000,000 - 51,200,000,000) 5550,000,000 (5140,000,000 - 51,200,000,000) 5550,000,000 (5140,000,000 - 51,200,000,000) 5550,000,000 (510,000,000 - 51,200,000,000) 5550,000,000 (5140,000,000 - 51,200,000,000) 5550,000,000 (548,000,000 - 51,200,000,000) 55780,000 (548,000,000 - 580,000,000) 538,000,000 (548,000,000 - 580,000,000) 549,000,000 (520,000,000 - 597,000,000) 549,000,000 (520,000,000 - 597,000,000) 579 (33 - 131)	2.5 (1 - 4) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.7 - 26) 18 (6.7 - 26) 19 (0.000,000 (\$19,000,000 - \$720,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$19,000,000 (\$19,000,000 - \$19,000,000) \$11,000,000 (\$160,000,000 - \$860,000,000) \$11,000,000 (\$160,000,000 - \$860,000,000) \$11,000,000 (\$130,000,000 - \$1,600,000,000) \$11,000,000 (\$12,000,000 - \$1,600,000) \$11,000,000 (\$130,000 - \$15,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$15,000,000 (\$15,000,000 - \$15,000,000) \$15,000,000 (\$130,000,000 - \$690,000,000) \$15,000,000 (\$130,000,000 - \$690,000,000) \$15,000,000 (\$130,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$15,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000) \$15,000,000 (\$10,000,000 - \$10,000,000)	1.5 (0.61 - 2.4) 1.1 (4.1 - 16) 2.600 (59 - 5,100) 3310,000,000 (\$140,000,000 - \$480,000,000) \$13,000,000 (\$140,000,000 - \$13,000,000) \$13,000,000 (\$99,000,000 - \$13,000,000) \$15260,000,000 (\$99,000,000 - \$530,000,000) \$15260,000,000 (\$99,000,000 - \$1,000,000,000) \$14 (9.1 - 19) 1.3 1.8 (11 - 26) 1.7 (0.68 - 2.8) 6.2 (2.4 - 9.1) 1.990 (43 - 3,700) \$152,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$68,000,000 - \$220,000,000) \$152,000,000 (\$12,000,000 - \$12,000,000) \$15340,000,000 (\$150,000,000 - \$620,000,000) 0.4 (0.26 - 0.55) 0.032 1.8 (1.1 - 2.7) 0.2 (0.078 - 0.32) 0.62 (0.23 - 0.91) 130 (2.8 - 250) \$4,200,000 (\$110,000 - \$65,500,000) \$310,000 (\$1310,000 - \$310,000) \$19,000,000 (\$1310,000 - \$310,000) \$19,000,000 (\$1310,000 - \$310,000) \$23,000,000 (\$1310,000 - \$39,000,000)	12 (7.7 - 18) 0.74 (0.3 - 1.2) 5.3 (2 - 7.8) 1,300 (29 - 2,500) 5150,000,000 (569,000,000 - \$240,000,000) 5120,000,000 (\$69,000,000 - \$240,000,000) 5220,000,000 (\$65,300,000 - \$260,000,000) 5220,000,000 (\$120,000,000 - \$510,000,000) 7(4.6 - 9.4) 0.64 9 (5.6 - 13) 0.85 (0.34 - 1.4) 3.1 (1.2 - 4.5) 930 (21 - 1,900) 573,000,000 (\$34,000,000 - \$110,000,000) 583,000,000 (\$34,000,000 - \$190,000,000) 583,000,000 (\$34,000,000 - \$190,000,000) 0.2 (0.13 - 0.27) 0.016 0.92 (0.58 - 1.4) 0.99 (0.039 - 0.16) 0.31 (0.12 - 0.46) 63 (1.4 - 130) 52,100,000 (\$95,000 - \$3,200,000) 516,0000 (\$160,000 - \$160,000) 515,0000 (\$160,000 - \$160,000)

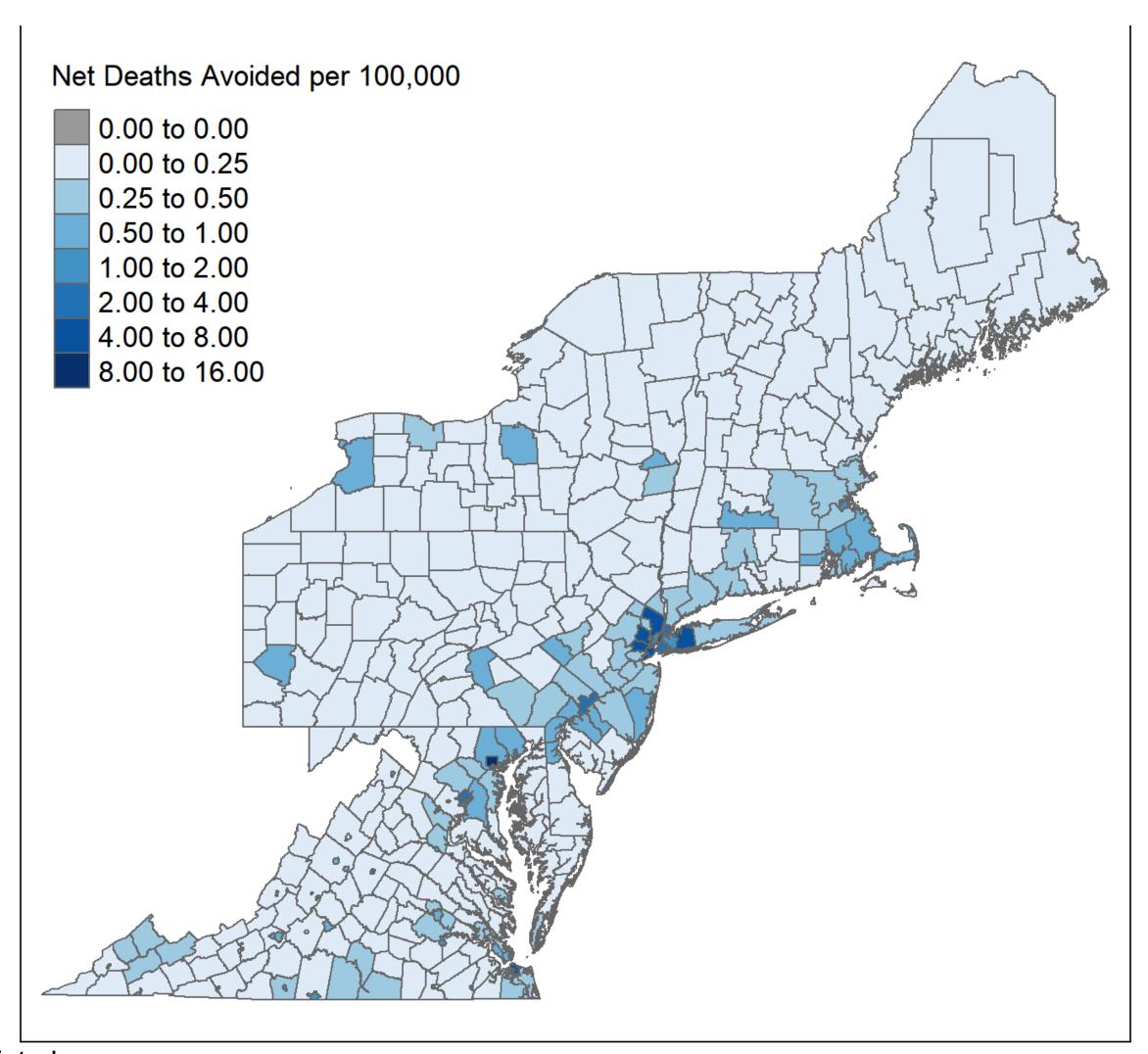
		1		1	1	
New Jersey	Respiratory Hospitalizations Avoided		6 (2.4 - 9.6)	4.8 (1.9 - 7.7)	2.9 (1.1 - 4.6)	1.4 (0.56 - 2.3)
New Jersey	Childhood Asthma Incidences Avoided		32 (12 - 47)	26 (9.7 - 38)	16 (5.9 - 23)	7.6 (2.9 - 11)
New Jersey	Childhood Asthma Exacerbations Avoided		6,500 (150 - 13,000)	4,900 (110 - 9,700)	3,100 (71 - 6,100)	1,500 (34 - 3,000)
New Jersey	Value of Active Mobility Health Benefits				0(\$530,000,000 (\$250,000,000 - \$820,000,000)	
New Jersey	Added Value of Active Mobility Safety in Numbers Effect		\$77,000,000 (\$77,000,000 - \$77,000,000)	\$59,000,000 (\$59,000,000 - \$59,000,000)	\$41,000,000 (\$41,000,000 - \$41,000,000)	\$21,000,000 (\$21,000,000 - \$21,000,000)
New Jersey	Value of Air Quality Health Benefits				0(\$400,000,000 (\$150,000,000 - \$820,000,000)	
New Jersey	Total Value of Health Benefits				0 \$980,000,000 (\$430,000,000 - \$1,700,000,00	
New York	Deaths Avoided from Active Mobility		284 (181 - 387)	175 (104 - 245)	193 (126 - 259)	96 (63 - 130)
New York	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	12	26	17	18	9
New York	Deaths Avoided from Improved Air Quality		170 (110 - 250)	140 (89 - 200)	85 (53 - 120)	42 (26 - 58)
New York	Respiratory Hospitalizations Avoided		8.2 (3.4 - 13)	6.9 (2.9 - 11)	4 (1.7 - 6.3)	2 (0.84 - 3.1)
New York	Childhood Asthma Incidences Avoided			58 (22 - 86)	36 (14 - 53)	18 (6.7 - 26)
New York	Childhood Asthma Exacerbations Avoided		16,000 (370 - 32,000)	12,000 (270 - 24,000)	7,600 (170 - 15,000)	3,700 (85 - 7,400)
New York	Value of Active Mobility Health Benefits				0 \$2,000,000,000 (\$940,000,000 - \$3,100,000,0	
New York	Added Value of Active Mobility Safety in Numbers Effect			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1) \$170,000,000 (\$170,000,000 - \$170,000,000)	
New York	Value of Air Quality Health Benefits				0 \$880,000,000 (\$330,000,000 - \$1,800,000,00	
New York	Total Value of Health Benefits				0 \$3,100,000,000 (\$1,400,000,000 - \$5,000,000	
Pennsylvania	Deaths Avoided from Active Mobility		58 (39 - 76)	40 (25 - 55)	37 (25 - 49)	18 (12 - 24)
Pennsylvania	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect		3.2	2.3	2	0.99
Pennsylvania	Deaths Avoided from Improved Air Quality	110 (63 - 160)	89 (55 - 130)	69 (44 - 98)	43 (26 - 62)	21 (13 - 30)
Pennsylvania	Respiratory Hospitalizations Avoided	5.8 (2.3 - 9.4)	5 (2 - 8.1)	4 (1.6 - 6.5)	2.4 (0.98 - 3.9)	1.2 (0.48 - 1.9)
Pennsylvania	Childhood Asthma Incidences Avoided	34 (13 - 49)	28 (11 - 41)	22 (8.2 - 32)	13 (5.2 - 20)	6.6 (2.5 - 9.7)
Pennsylvania	Childhood Asthma Exacerbations Avoided	8,500 (200 - 17,000)	6,600 (150 - 13,000)	4,700 (110 - 9,400)	3,100 (72 - 6,200)	1,500 (35 - 3,000)
Pennsylvania	Value of Active Mobility Health Benefits	\$720,000,000 (\$320,000,000 - \$1,100,000,000	\$580,000,000 (\$270,000,000 - \$900,000,000)	\$410,000,000 (\$170,000,000 - \$640,000,000) \$370,000,000 (\$170,000,000 - \$580,000,000)	\$190,000,000 (\$85,000,000 - \$290,000,000)
Pennsylvania	Added Value of Active Mobility Safety in Numbers Effect	\$37,000,000 (\$37,000,000 - \$37,000,000)	\$31,000,000 (\$31,000,000 - \$31,000,000)	\$22,000,000 (\$22,000,000 - \$22,000,000)	\$19,000,000 (\$19,000,000 - \$19,000,000)	\$9,500,000 (\$9,500,000 - \$9,500,000)
Pennsylvania	Value of Air Quality Health Benefits	\$1,100,000,000 (\$390,000,000 - \$2,300,000,0	\$920,000,000 (\$340,000,000 - \$1,900,000,00	\$710,000,000 (\$270,000,000 - \$1,400,000,00	0(\$440,000,000 (\$160,000,000 - \$900,000,000)	\$220,000,000 (\$80,000,000 - \$440,000,000)
Pennsylvania	Total Value of Health Benefits	\$1,900,000,000 (\$750,000,000 - \$3,500,000,0	\$1,500,000,000 (\$640,000,000 - \$2,800,000,0	\$1,100,000,000 (\$470,000,000 - \$2,100,000,	0 \$840,000,000 (\$350,000,000 - \$1,500,000,00	\$410,000,000 (\$170,000,000 - \$740,000,000)
Rhode Island	Deaths Avoided from Active Mobility	3.1 (2.1 - 4.2)	2.7 (1.7 - 3.6)	2 (1.2 - 2.8)	1.3 (0.88 - 1.8)	0.67 (0.44 - 0.91)
Rhode Island	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	0.24	0.21	0.16	0.11	0.054
Rhode Island	Deaths Avoided from Improved Air Quality	6.8 (4 - 10)	6.4 (3.9 - 9.3)	5.4 (3.4 - 7.9)	3.1 (1.9 - 4.5)	1.5 (0.95 - 2.2)
Rhode Island	Respiratory Hospitalizations Avoided	0.58 (0.22 - 0.93)	0.52 (0.21 - 0.85)	0.44 (0.17 - 0.71)	0.25 (0.099 - 0.41)	0.12 (0.049 - 0.2)
Rhode Island	Childhood Asthma Incidences Avoided	2.1 (0.8 - 3)	1.9 (0.74 - 2.8)	1.6 (0.62 - 2.4)	0.93 (0.36 - 1.4)	0.46 (0.18 - 0.68)
Rhode Island	Childhood Asthma Exacerbations Avoided	550 (13 - 1,100)	480 (11 - 960)	390 (8.8 - 780)	230 (5.3 - 460)	120 (2.6 - 230)
Rhode Island	Value of Active Mobility Health Benefits	\$32,000,000 (\$15,000,000 - \$50,000,000)	\$27,000,000 (\$13,000,000 - \$42,000,000)	\$21,000,000 (\$8,900,000 - \$32,000,000)	\$14,000,000 (\$6,400,000 - \$22,000,000)	\$7,000,000 (\$3,200,000 - \$11,000,000)
Rhode Island	Added Value of Active Mobility Safety in Numbers Effect	\$2,300,000 (\$2,300,000 - \$2,300,000)	\$2,000,000 (\$2,000,000 - \$2,000,000)	\$1,600,000 (\$1,600,000 - \$1,600,000)	\$1,000,000 (\$1,000,000 - \$1,000,000)	\$510,000 (\$510,000 - \$510,000)
Rhode Island	Value of Air Quality Health Benefits	\$70,000,000 (\$25,000,000 - \$150,000,000)	\$66,000,000 (\$24,000,000 - \$140,000,000)	\$56,000,000 (\$21,000,000 - \$120,000,000)	\$32,000,000 (\$12,000,000 - \$66,000,000)	\$15,000,000 (\$5,800,000 - \$32,000,000)
Rhode Island	Total Value of Health Benefits	\$100,000,000 (\$42,000,000 - \$200,000,000)	\$96,000,000 (\$39,000,000 - \$180,000,000)	\$78,000,000 (\$31,000,000 - \$150,000,000)	\$47,000,000 (\$19,000,000 - \$88,000,000)	\$23,000,000 (\$9,600,000 - \$43,000,000)
Vermont	Deaths Avoided from Active Mobility	0.65 (0.4 - 0.9)	0.46 (0.3 - 0.61)	0.25 (0.15 - 0.35)	0.18 (0.12 - 0.25)	0.092 (0.06 - 0.12)
Vermont	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	0.05	0.037	0.022	0.014	0.0072
Vermont	Deaths Avoided from Improved Air Quality	1 (0.62 - 1.5)	0.96 (0.6 - 1.4)	0.82 (0.53 - 1.2)	0.47 (0.3 - 0.69)	0.24 (0.15 - 0.34)
Vermont	Respiratory Hospitalizations Avoided	0.12 (0.044 - 0.19)	0.1 (0.041 - 0.17)	0.087 (0.034 - 0.14)	0.051 (0.02 - 0.082)	0.025 (0.0098 - 0.041)
Vermont	Childhood Asthma Incidences Avoided	0.31 (0.12 - 0.46)	0.29 (0.11 - 0.43)	0.24 (0.091 - 0.36)	0.14 (0.053 - 0.21)	0.07 (0.026 - 0.1)
Vermont	Childhood Asthma Exacerbations Avoided	67 (1.6 - 130)	57 (1.3 - 110)	45 (0.97 - 90)	27 (0.61 - 55)	14 (0.3 - 27)
Vermont	Value of Active Mobility Health Benefits	\$6,700,000 (\$2,900,000 - \$11,000,000)	\$4,800,000 (\$2,200,000 - \$7,300,000)	\$2,600,000 (\$1,100,000 - \$4,100,000)	\$1,900,000 (\$870,000 - \$2,900,000)	\$950,000 (\$440,000 - \$1,500,000)
Vermont	Added Value of Active Mobility Safety in Numbers Effect	\$480,000 (\$480,000 - \$480,000)	\$350,000 (\$350,000 - \$350,000)	\$210,000 (\$210,000 - \$210,000)	\$140,000 (\$140,000 - \$140,000)	\$69,000 (\$69,000 - \$69,000)
Vermont	Value of Air Quality Health Benefits		\$9,900,000 (\$3,700,000 - \$20,000,000)	\$8,500,000 (\$3,300,000 - \$18,000,000)	\$4,800,000 (\$1,800,000 - \$10,000,000)	\$2,500,000 (\$920,000 - \$5,000,000)
Vermont	Total Value of Health Benefits		\$15,000,000 (\$6,300,000 - \$28,000,000)	\$11,000,000 (\$4,600,000 - \$22,000,000)	\$6,900,000 (\$2,900,000 - \$13,000,000)	\$3,500,000 (\$1,400,000 - \$6,500,000)
Virginia	Deaths Avoided from Active Mobility	37 (25 - 50)	32 (21 - 44)	24 (14 - 33)	17 (11 - 23)	8.3 (5.4 - 11)
Virginia	Added Deaths Avoidedfrom Active Mobility with Safety in Numbers Effect	3.4	3	2.3	1.5	0.77
Virginia	Deaths Avoided from Improved Air Quality		32 (20 - 46)	27 (17 - 38)	16 (9.8 - 22)	7.8 (4.9 - 11)
Virginia	Respiratory Hospitalizations Avoided		2.4 (0.98 - 3.9)	2 (0.82 - 3.2)	1.2 (0.48 - 1.9)	0.58 (0.24 - 0.93)
Virginia	Childhood Asthma Incidences Avoided		16 (6.3 - 24)	14 (5.1 - 20)	8 (3 - 12)	3.9 (1.5 - 5.8)
Virginia	Childhood Asthma Exacerbations Avoided	1 1	3,000 (67 - 5,900)	2,300 (51 - 4,600)	1,400 (32 - 2,800)	700 (16 - 1,400)
Virginia	Value of Active Mobility Health Benefits					\$87,000,000 (\$40,000,000 - \$130,000,000)
Virginia	Added Value of Active Mobility Safety in Numbers Effect		\$29,000,000 (\$29,000,000 - \$29,000,000)	\$22,000,000 (\$22,000,000 - \$22,000,000)	\$15,000,000 (\$15,000,000 - \$15,000,000)	\$7,400,000 (\$7,400,000 - \$7,400,000)
Virginia	Value of Air Quality Health Benefits) \$170,000,000 (\$60,000,000 - \$320,000,000)	
Virginia	Total Value of Health Benefits	\$790,000,000 (\$340,000,000 - \$1,400,000,000	\$700,000,000 (\$310,000,000 - \$1,200,000,00	\$550,000,000 (\$230,000,000 - \$970,000,000) \$350,000,000 (\$160,000,000 - \$600,000,000)	\$180,000,000 (\$78,000,000 - \$300,000,000)

2. Maps for Estimated Mortality Benefits from Active Mobility Per 100,000 People

Estimated Net Deaths Avoided per 100,000 People from Walking and Biking for Scenario A with a 25% CO₂ Reduction Cap Compared to a No-TCI Reference Scenario in 2032



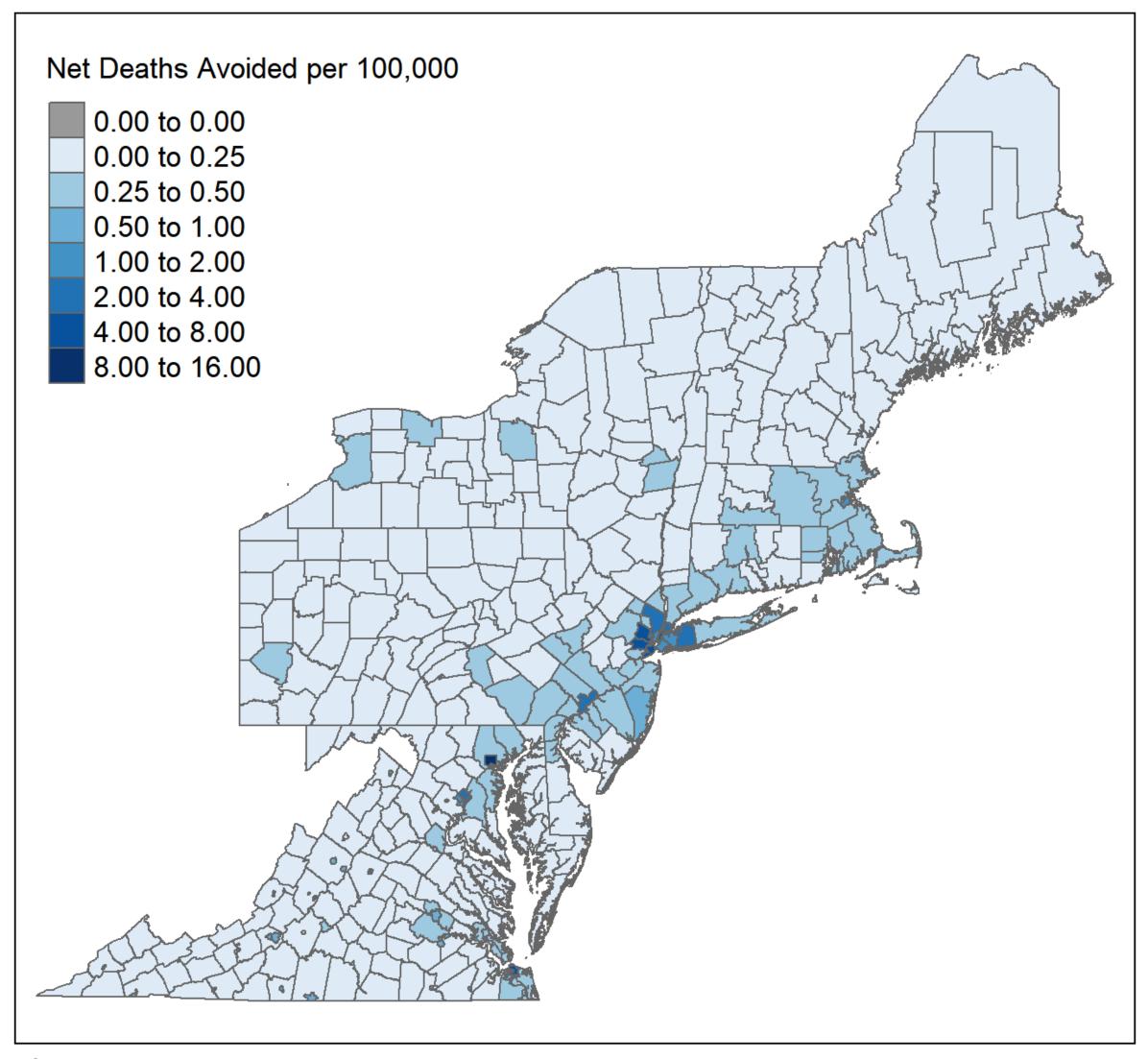
Estimated Net Deaths Avoided per 100,000 People from Walking and Biking for Scenario B with a 25% CO₂ Reduction Cap Compared to a No-TCI Reference Scenario in 2032



Map credit: M. Raifman, P. Kinney.

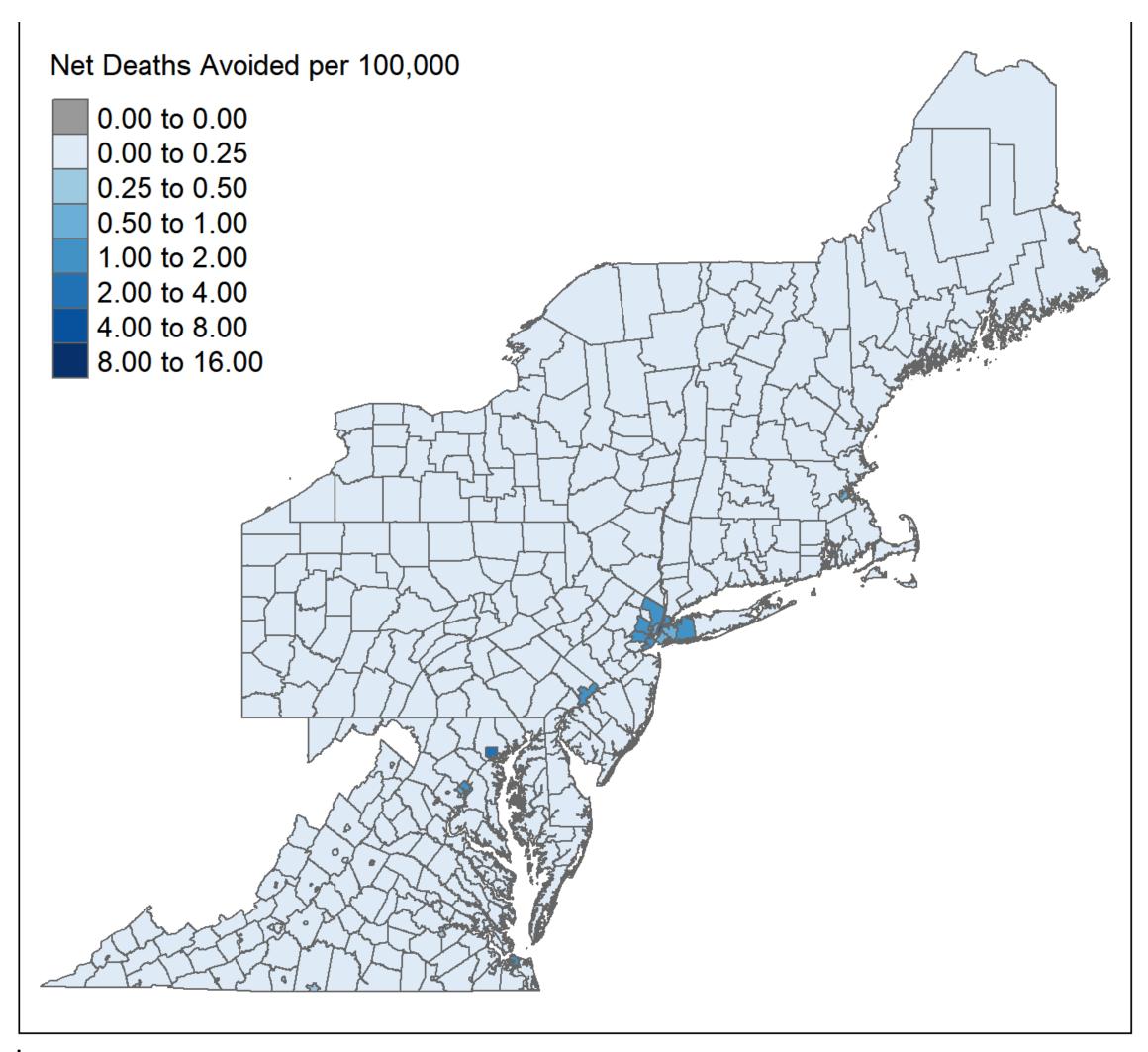
Based on Raifman et al. 2021. Includes safety in numbers effect.

Estimated Net Deaths Avoided per 100,000 People from Walking and Biking for Scenario C with a 25% CO₂ Reduction Cap Compared to a No-TCI Reference Scenario in 2032

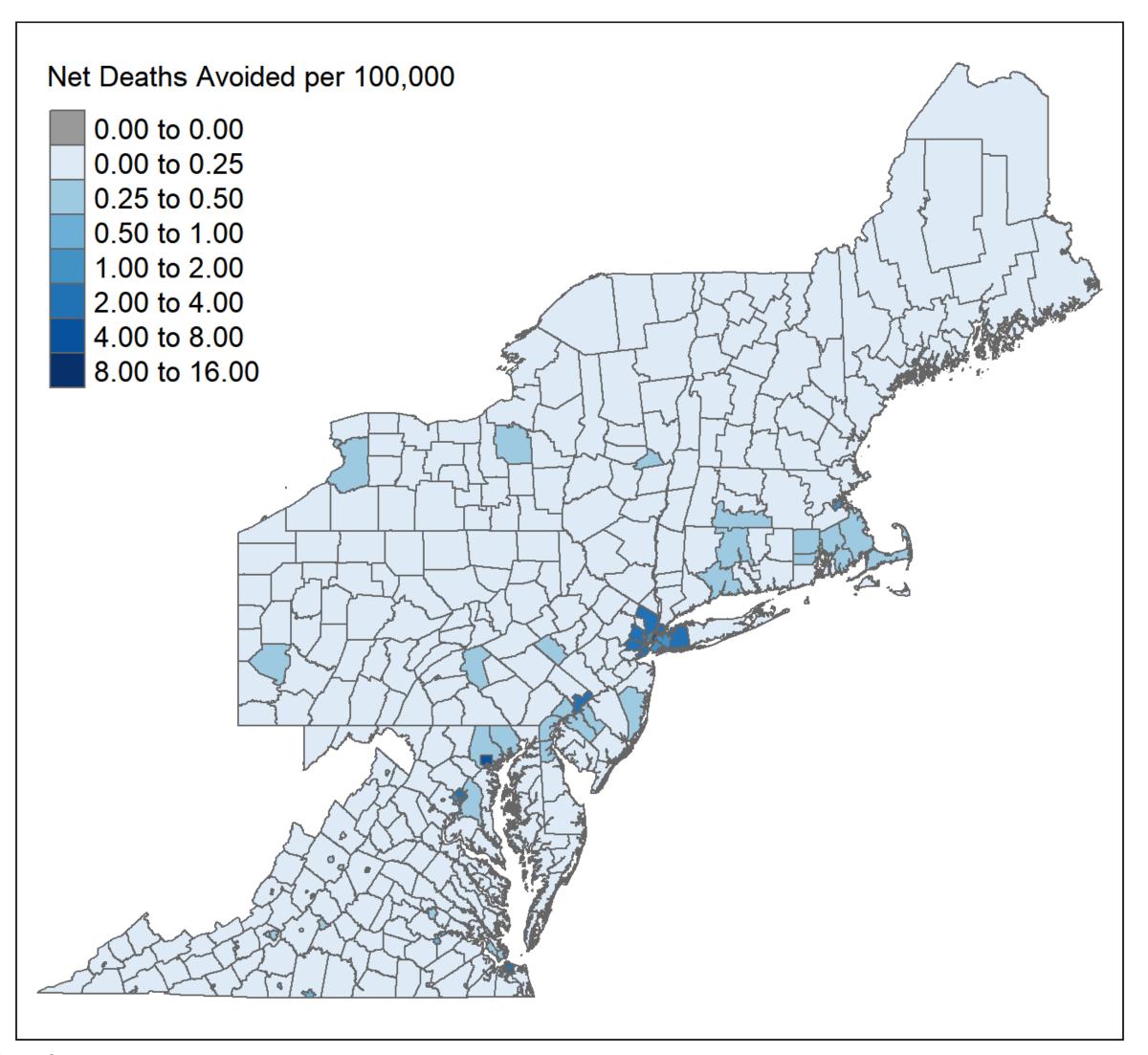


Map credit: M. Raifman, P. Kinney.

Estimated Net Deaths Avoided per 100,000 People from Walking and Biking for Scenario B with a 20% CO₂ Reduction Cap Compared to a No-TCI Reference Scenario in 2032



Estimated Net Deaths Avoided per 100,000 People from Walking and Biking for Scenario B with a 22% CO₂ Reduction Cap Compared to a No-TCI Reference Scenario in 2032

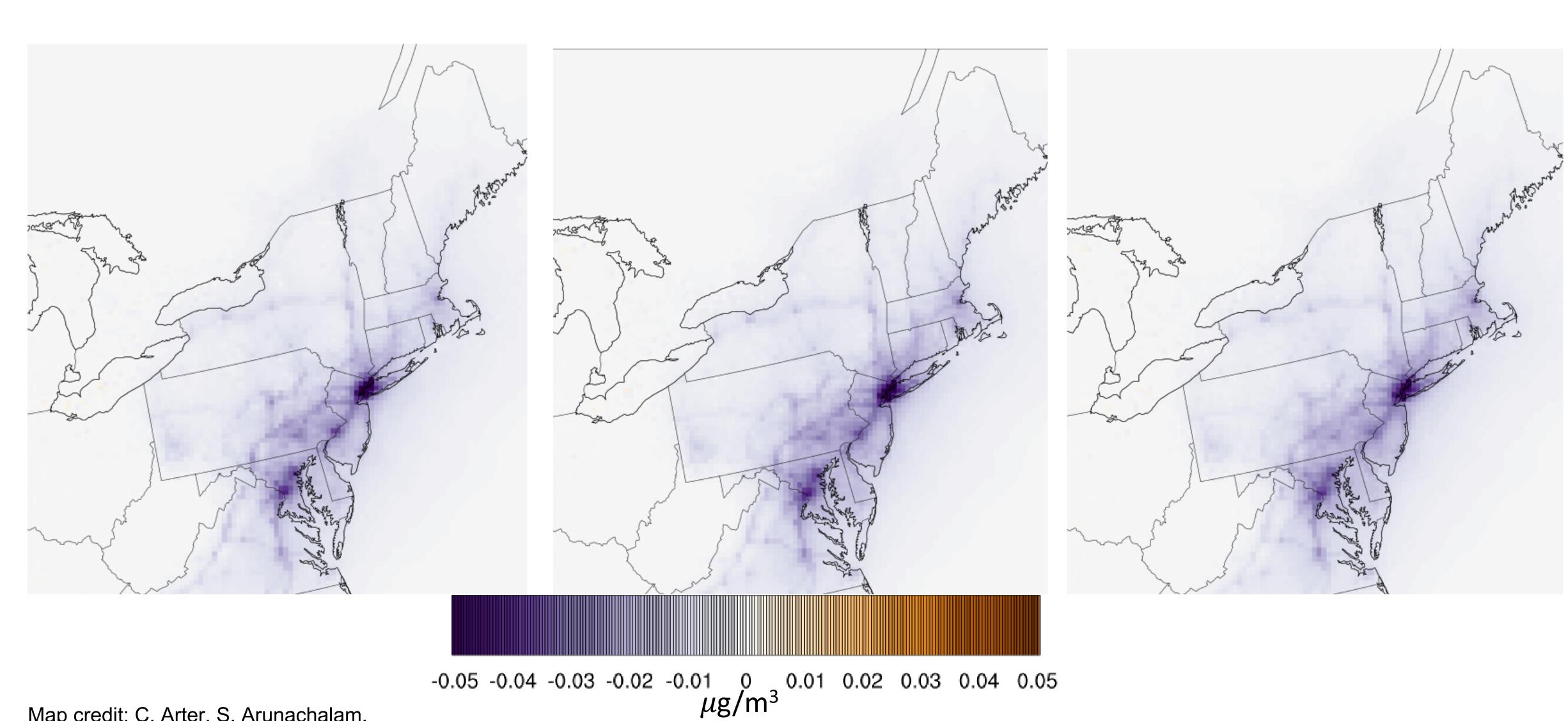


Map credit: M. Raifman, P. Kinney.

Based on Raifman et al. 2021. Includes safety in numbers effect.

3. Maps Estimated Changes in Air Quality for $PM_{2.5}$, Ozone, and NO_2

Scenario A Scenario B Scenario C

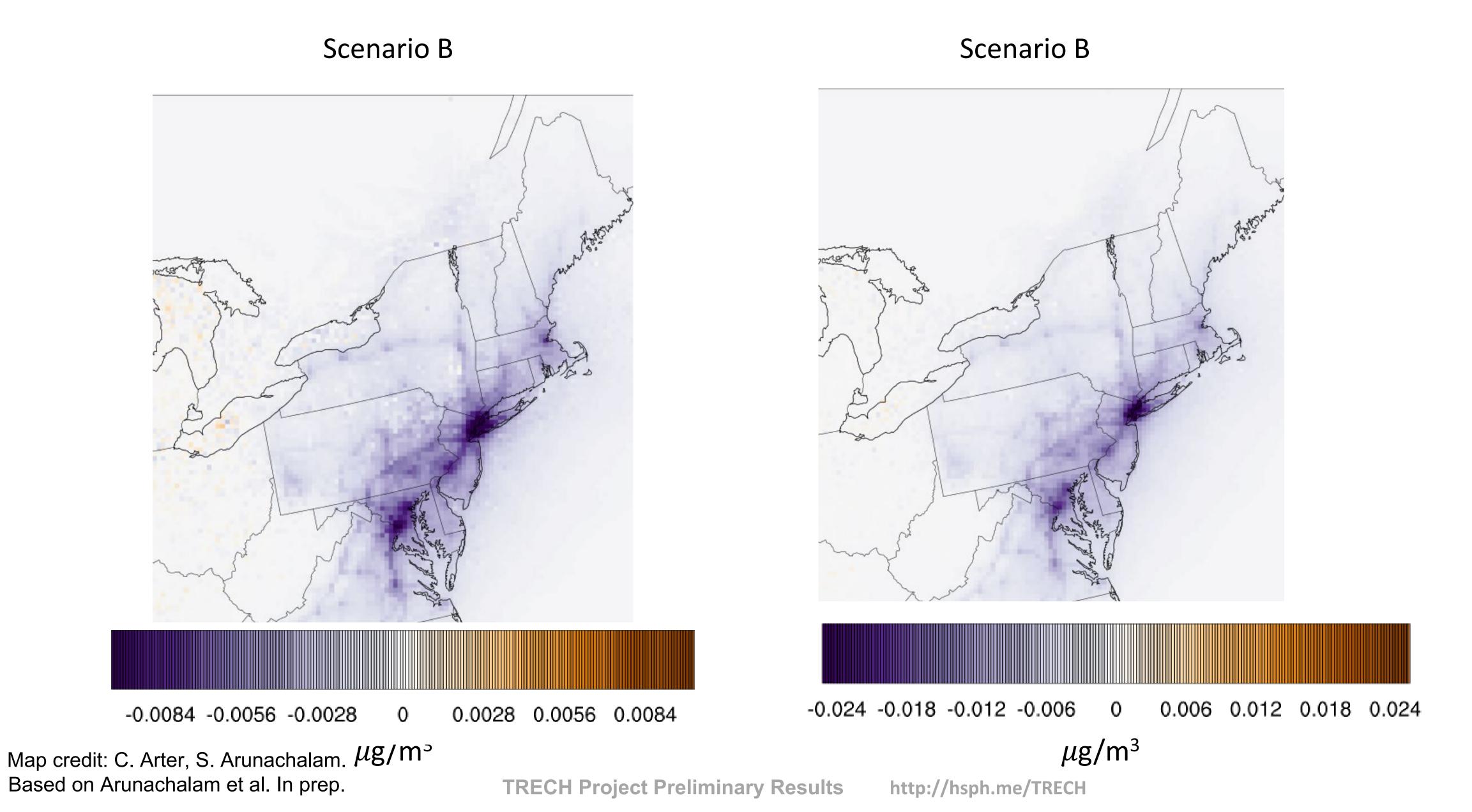


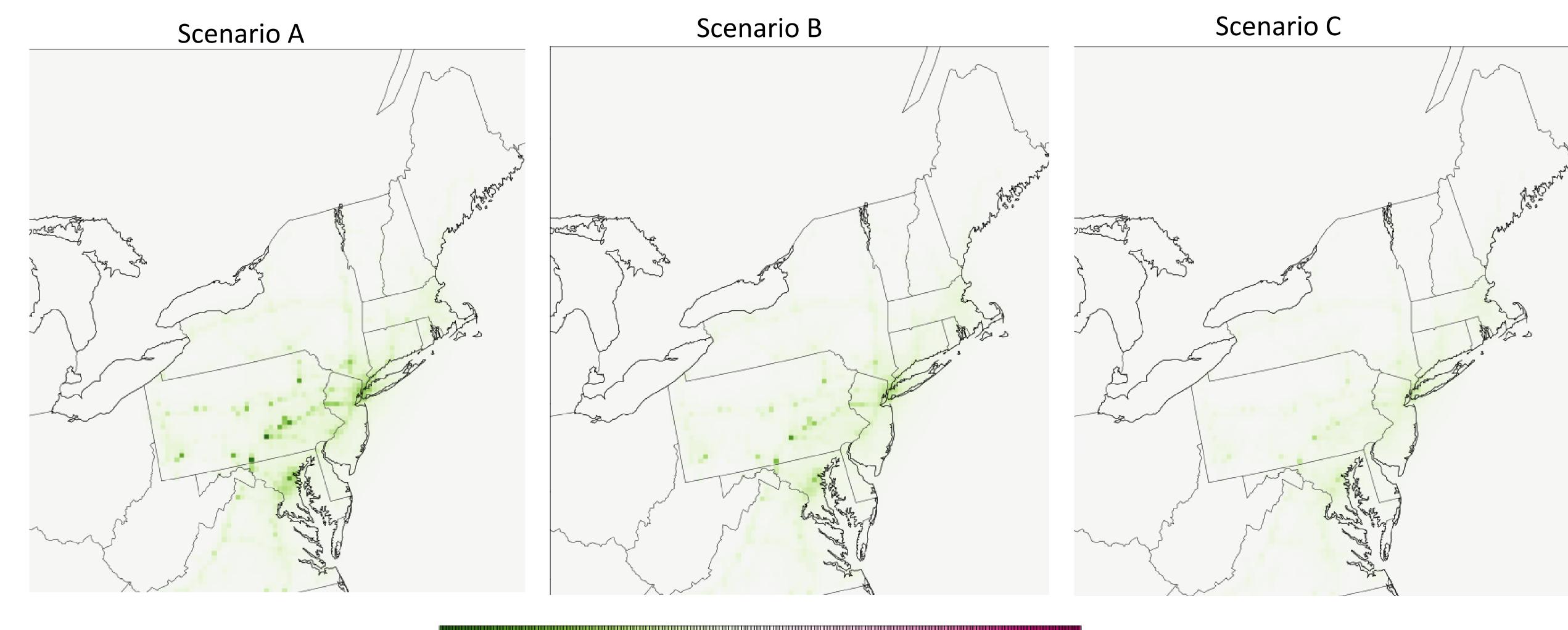
Map credit: C. Arter, S. Arunachalam. Based on Arunachalam et al. In prep.

TRECH Project Preliminary Results

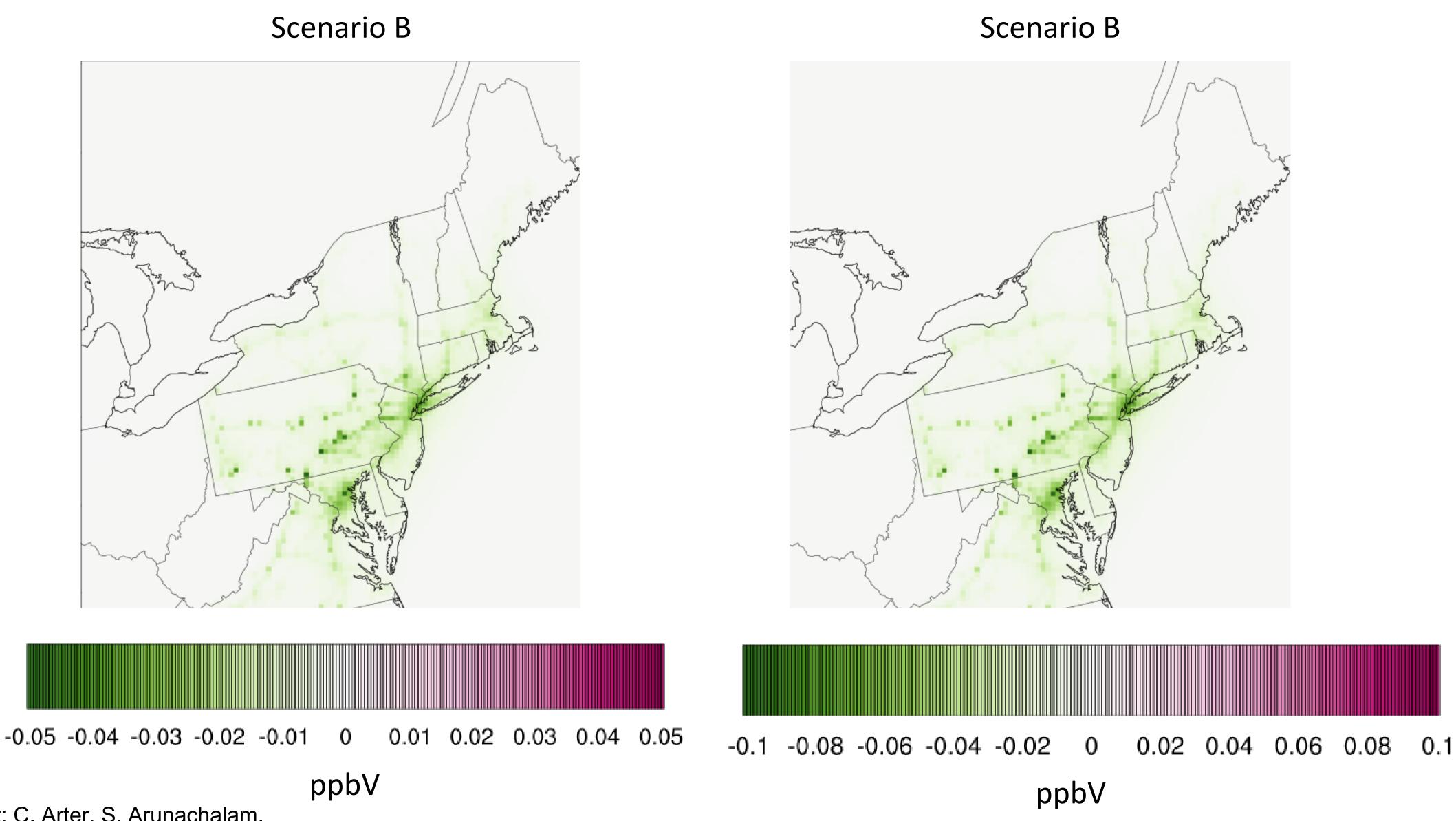
http://hsph.me/TRECH

 $PM_{2.5}$ - 20% (left) and 22% (right) CO_2 Reduction Cap Scenarios Delta from in 2032 Reference $PM_{2.5}$ in 2032



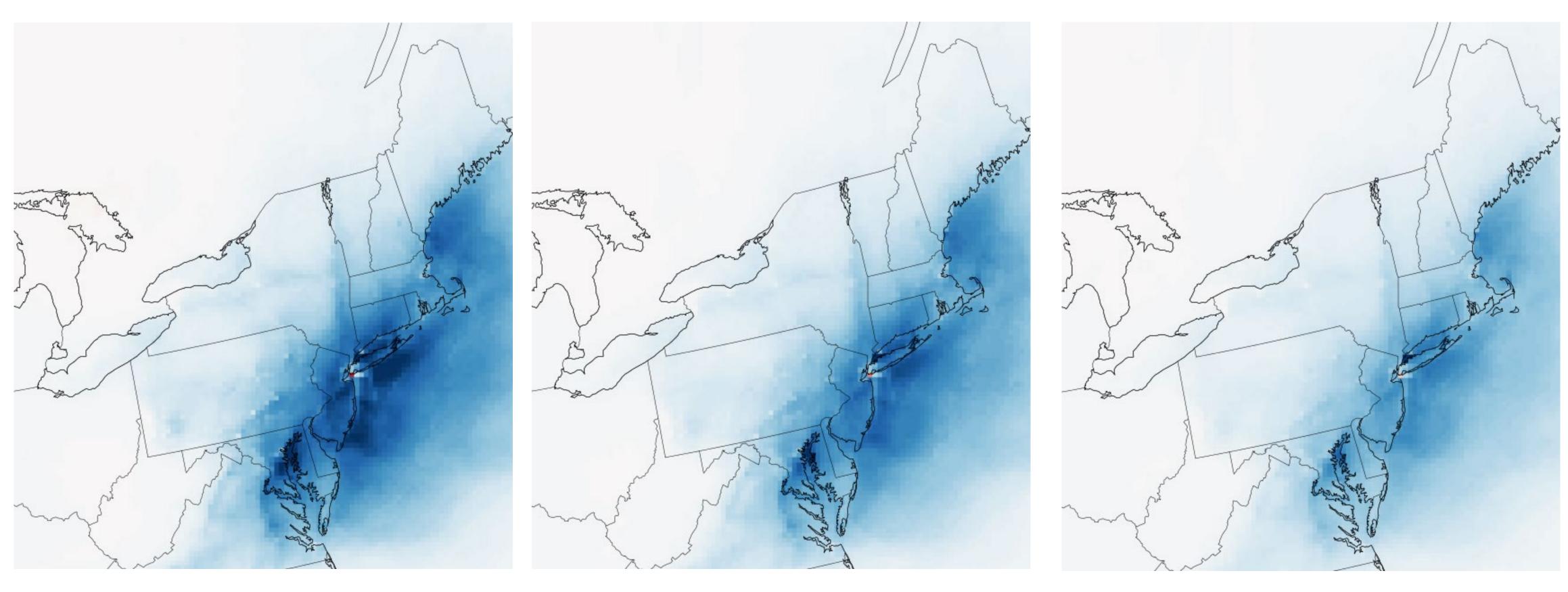


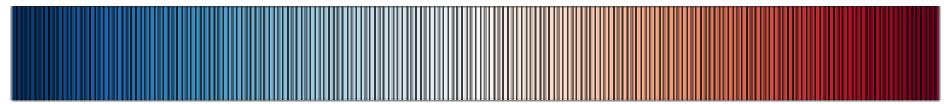
-0.4 -0.32 -0.24 -0.16 -0.08 0 0.08 0.16 0.24 0.32 0.4 ppbV



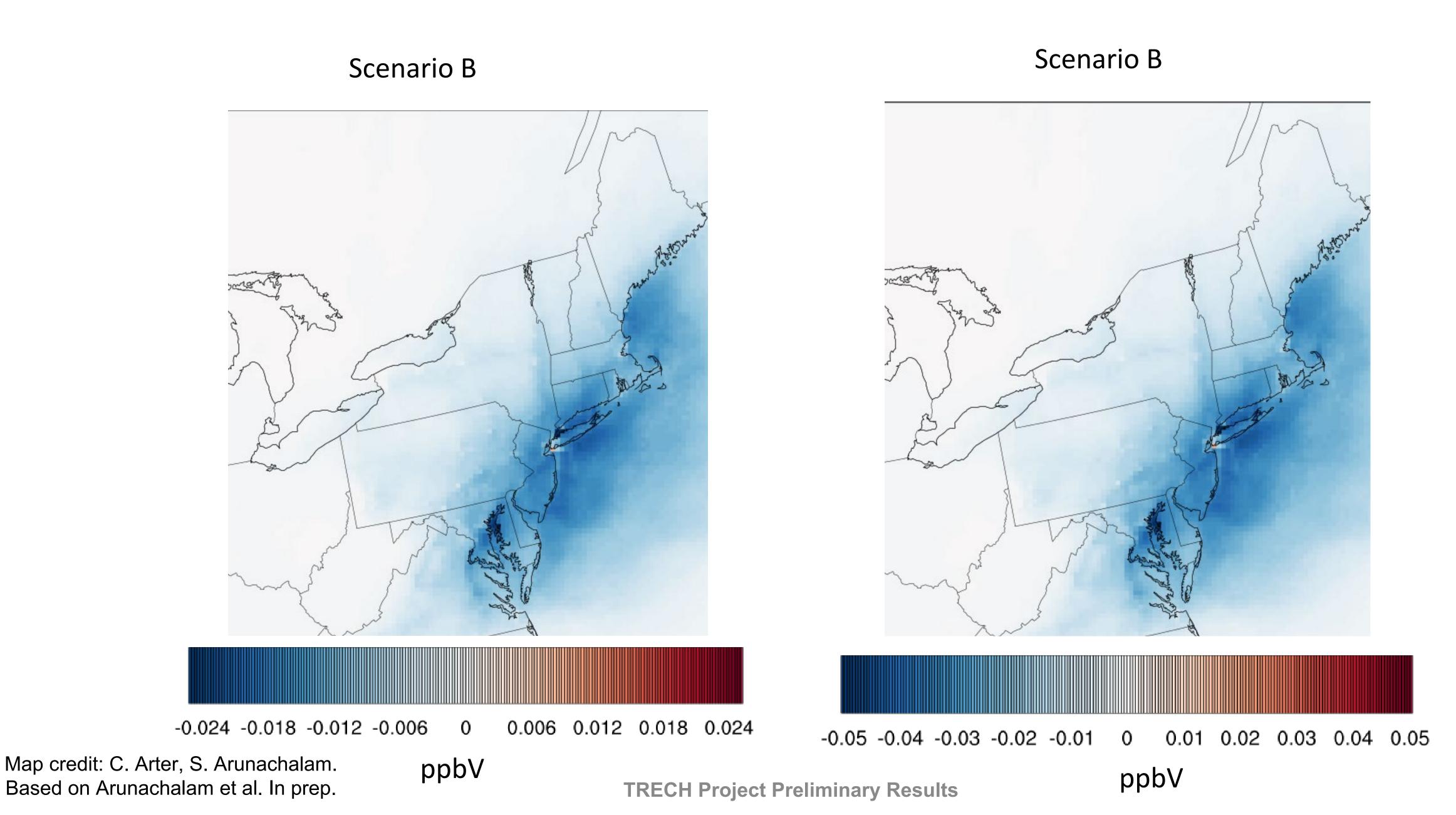
Map credit: C. Arter, S. Arunachalam. Based on Arunachalam et al. In prep.

Scenario A Scenario B Scenario C



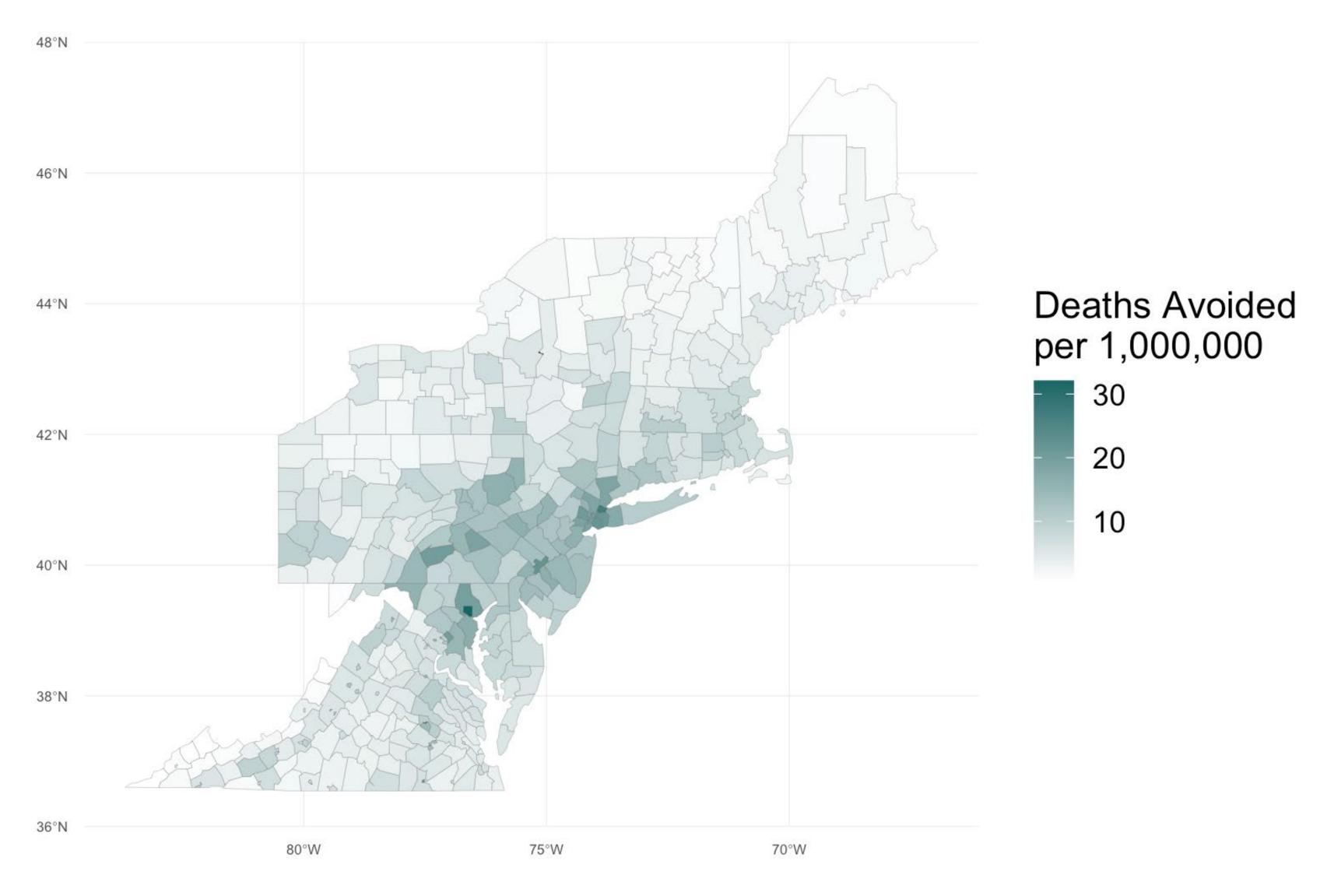


-0.1 -0.08 -0.06 -0.04 -0.02 0 0.02 0.04 0.06 0.08 0.1 ppbV



4. Maps of Estimated Deaths Avoided Per Million People from Air Quality Changes

Premature Deaths Avoided per 1,000,000 TCI Scenario A, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032

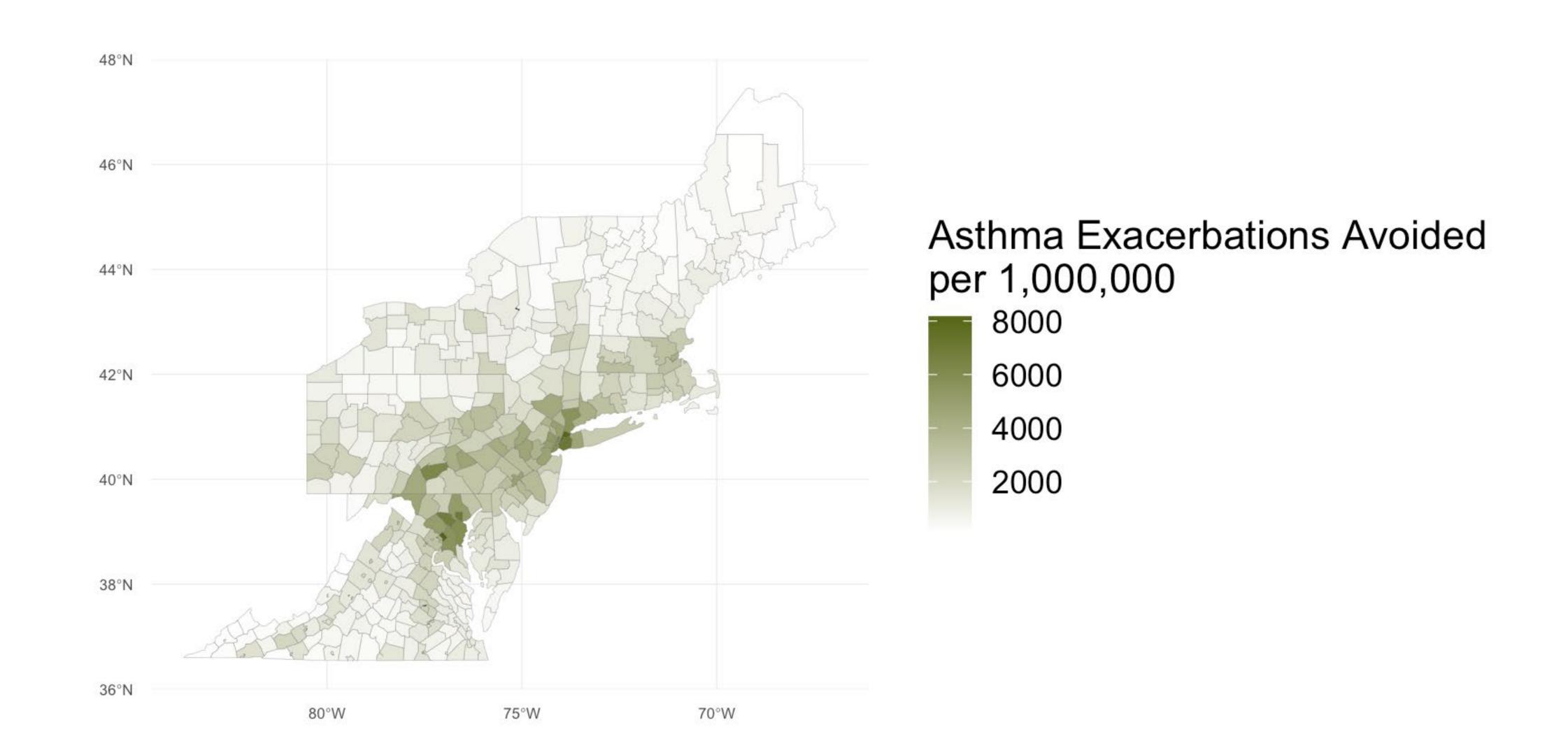


Map credit: J. Buoncore.

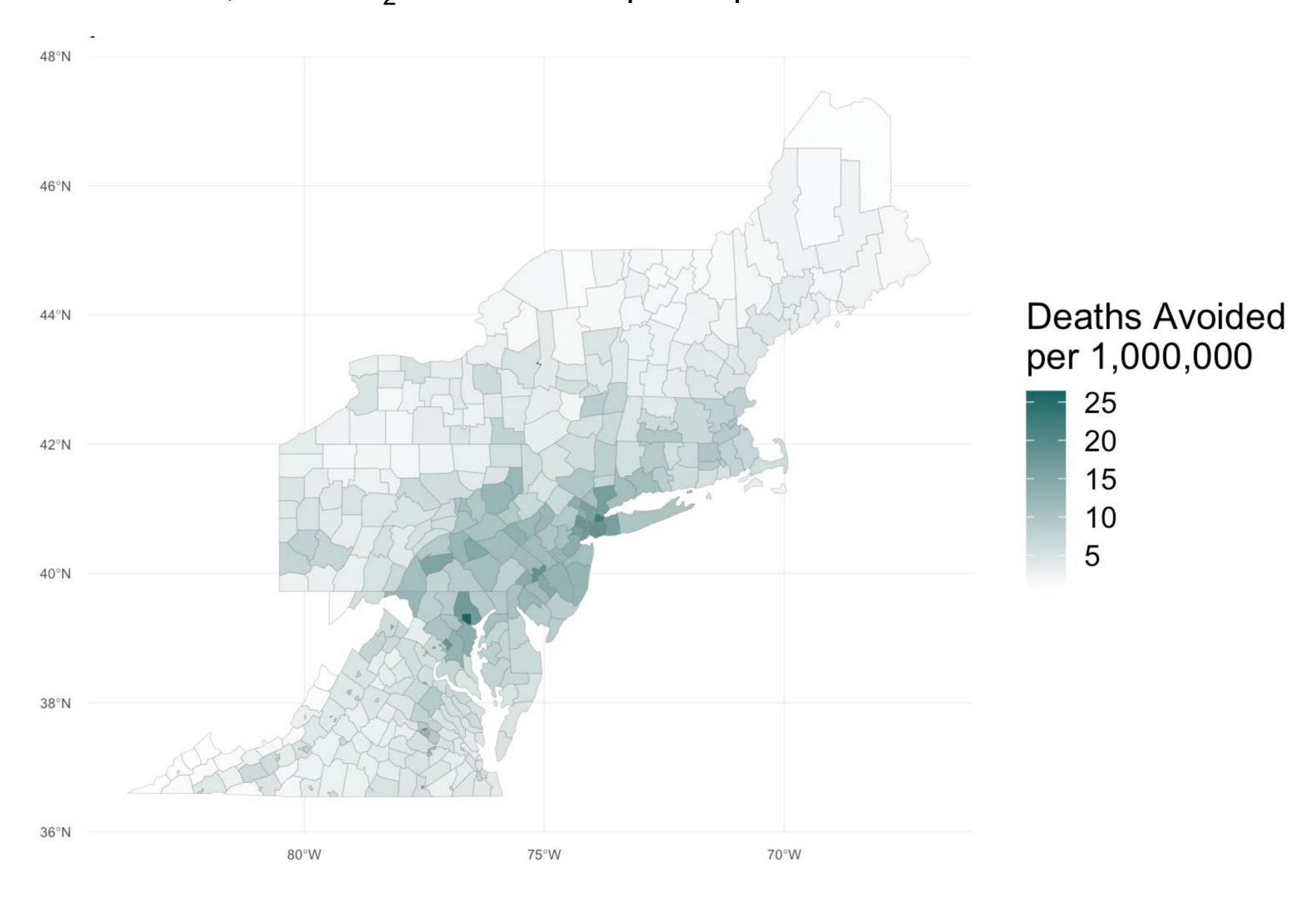
TRECH Project Preliminary Results

http://hsph.me/TRECH

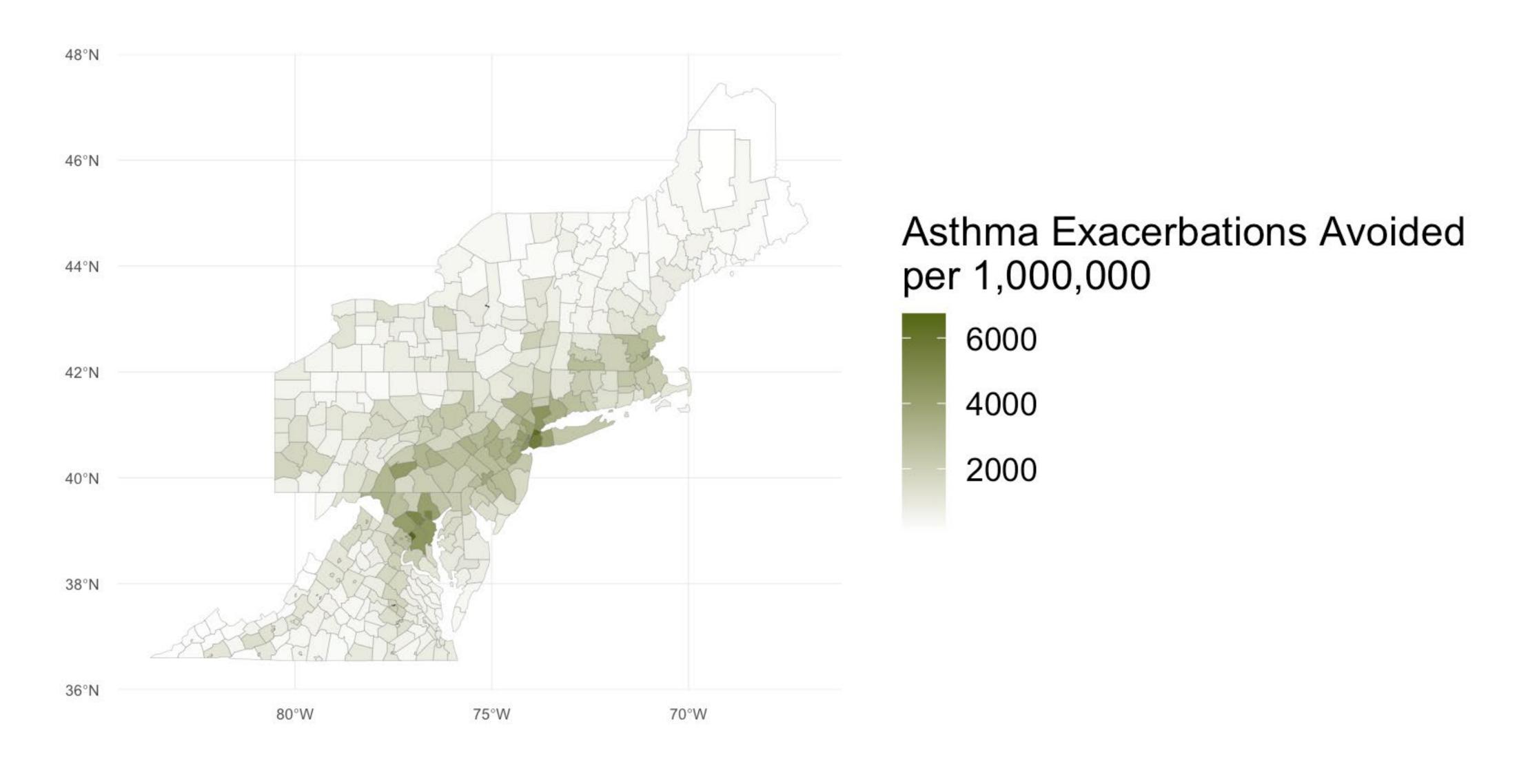
Childhood Asthma Exacerbations Avoided (ages 5 -17 yrs) per 1,000,000 People TCI Scenario A, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



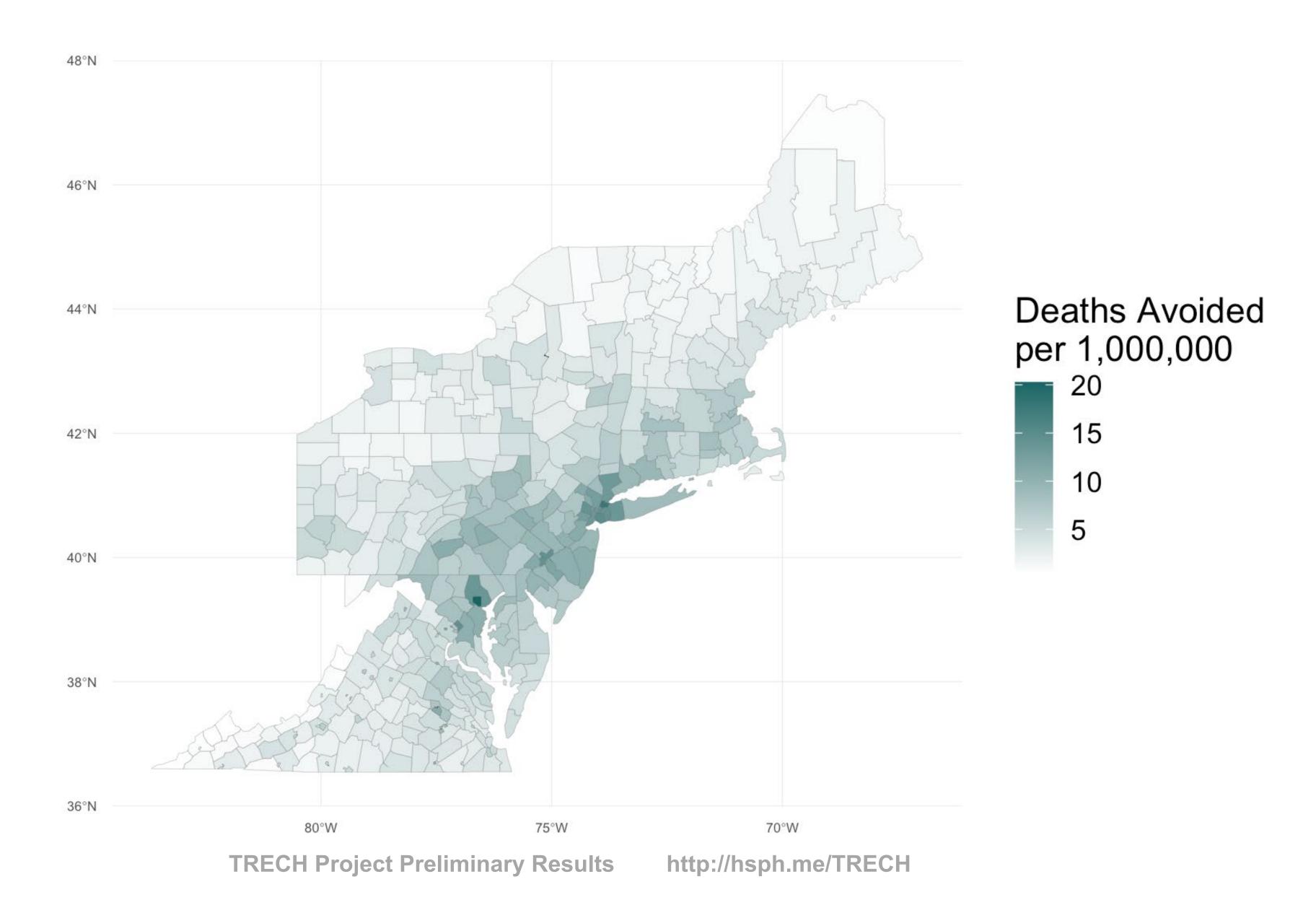
Premature Deaths Avoided per 1,000,000 TCI Scenario B, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



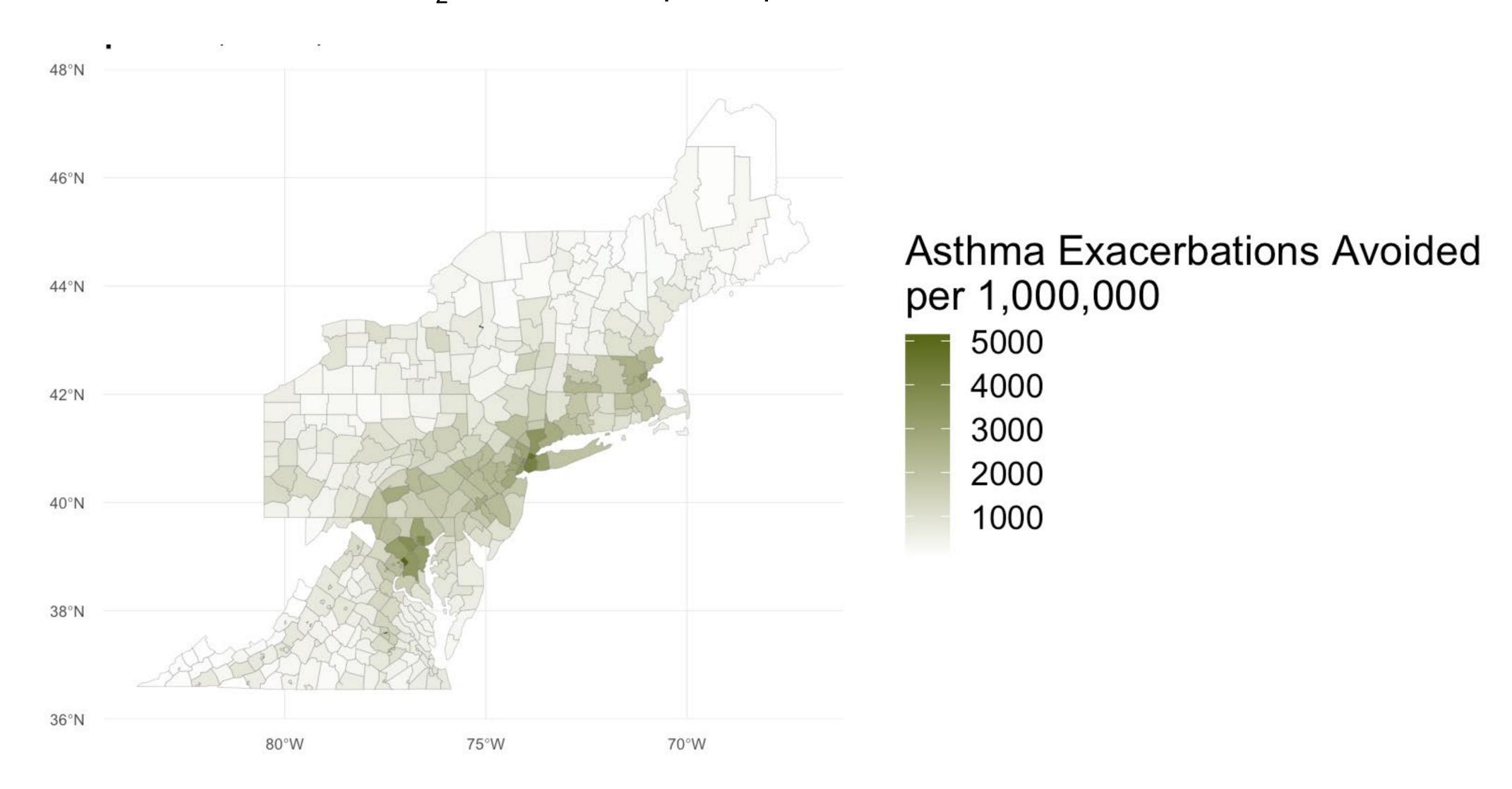
Childhood Asthma Exacerbations Avoided (ages 5 -17 yrs) per 1,000,000 People TCI Scenario A, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



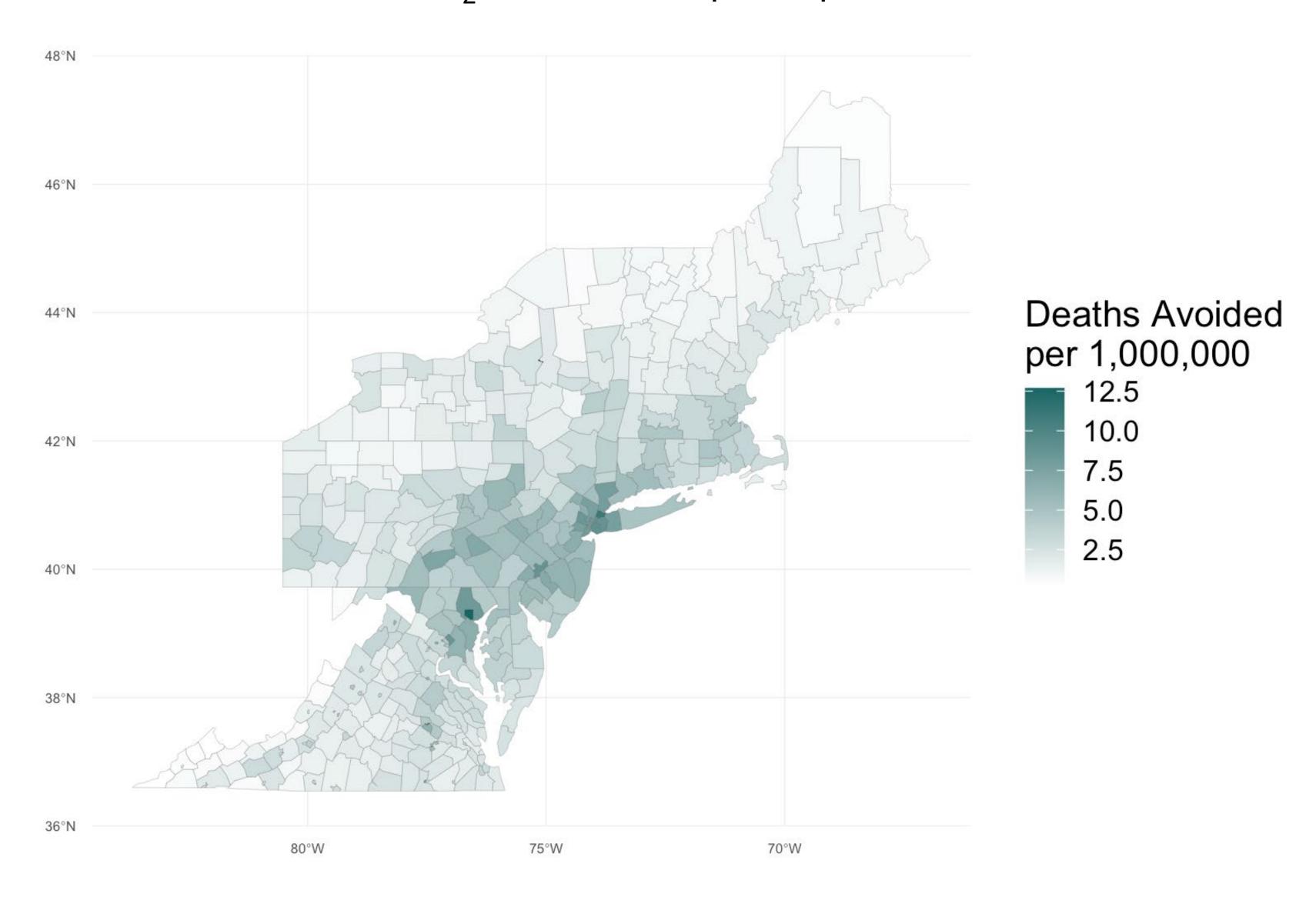
Premature Deaths Avoided per 1,000,000 TCI Scenario C, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



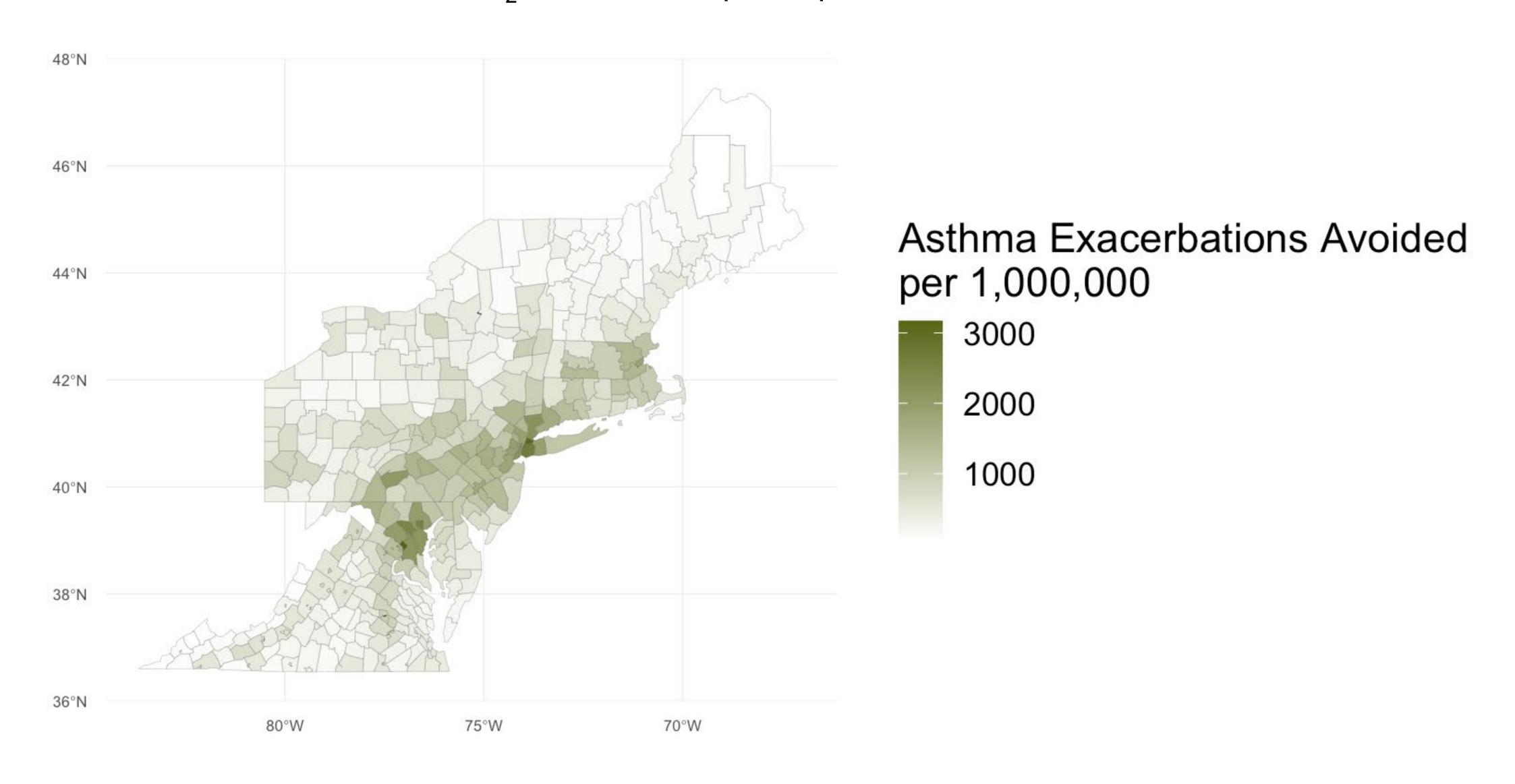
Childhood Asthma Exacerbations Avoided (ages 5 -17 yrs) per 1,000,000 People TCI Scenario A, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



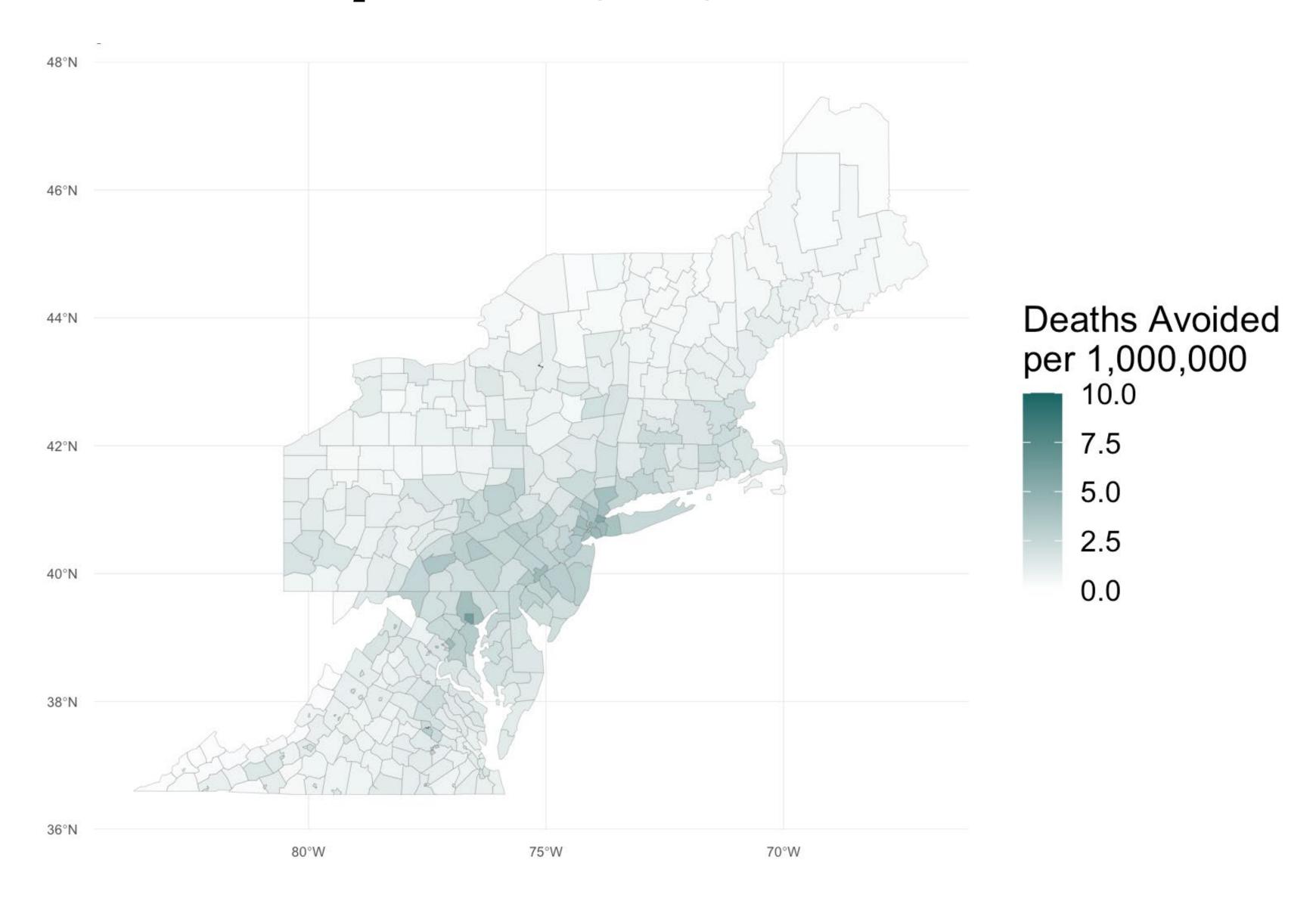
Premature Deaths Avoided per 1,000,000 TCI Scenario B, 22% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



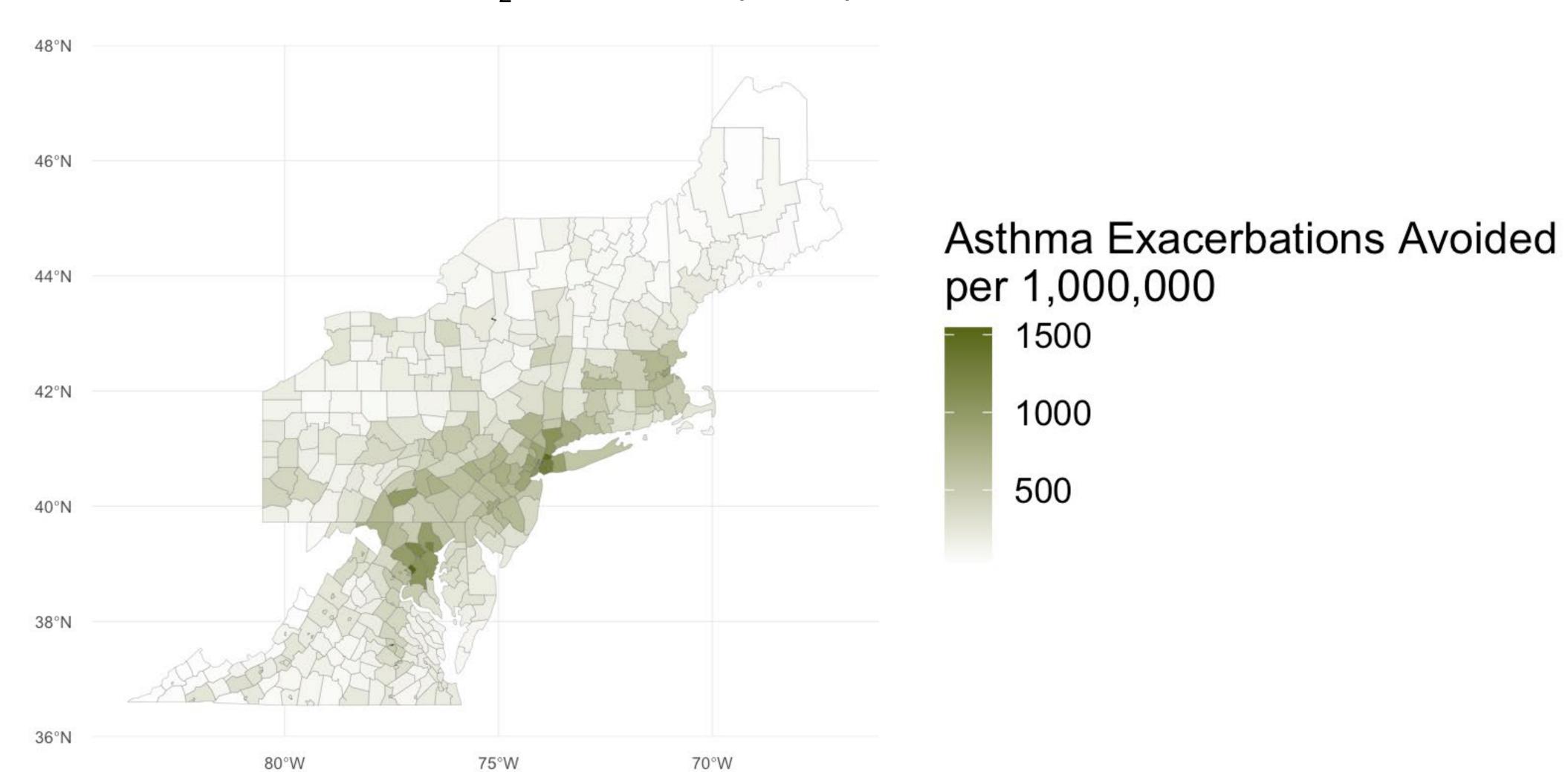
Childhood Asthma Exacerbations Avoided (ages 5 -17 yrs) per 1,000,000 People TCI Scenario A, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



Premature Deaths Avoided per 1,000,000 TCI Scenario B, 20% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



Childhood Asthma Exacerbations Avoided (ages 5 -17 yrs) per 1,000,000 People TCI Scenario A, 25% CO₂ Reduction Cap Compared to a No-TCI Scenario in 2032



5. Summary of Methods and Models

TRECH Project - Active Mobility Modeling

The active mobility work in the TRECH Project was led by Patrick Kinney, ScD of Boston University with Matthew Raifman (BU), Jon Levy, ScD (BU), and Kathy Fallon Lambert (Harvard C-CHANGE).

To estimate net deaths avoided from increased active mobility in the TRECH Project, the TRECH Project team has implemented an approach based on the World Health Organization's Health Economic Assessment Tool (HEAT) using the statistical computing language, R.

We converted the estimated change in miles traveled to minutes of additional activity and apply peer-reviewed population health epidemiological relationships between physical activity and reductions in premature mortality separately for walking and cycling activity. As the key input to the model, we use county-level estimates of the change in walking miles traveled and bicycling miles traveled for each of the investment scenarios that have been provided to the team by the Transportation Climate Initiative.

Additional inputs to the active mobility model include: county-level demographic information on age and population from the U.S. Census, and county-level mortality rates from CDC Wonder. We also assume that additional miles traveled walking and cycling will result in a small increase in traffic fatalities among these vulnerable road users. We estimate these net mortality benefits only for the adult population aged 20-64 for cycling and aged 20-74 for walking, based on the epidemiological relationships established in the academic literature. We used the value of a statistical life to estimate the monetized value of these mortality benefits.

•

TRECH Project - Air Quality Modeling

The air quality work in the TRECH Project was led by Sarav Arunachalam, PhD of the University of North Carolina with Calvin Arter (UNC) and others on the team. The emissions-air quality platform used in the TRECH Project is a MOVES-SMOKE-CMAQ platform. The MOVES model and SMOKE processor generated estimates of gridded annual on-road emissions at a 12x12 km scale for five vehicle classes from representative summer and winter months for the entire eastern U.S., which is needed to estimate air quality changes within the TCI region. CMAQ ingests the MOVES-SMOKE outputs to produced 12x12 km gridded estimates of air pollution concentrations of $PM_{2.5}$, O_3 , and NO_2 for the TCI region.

MOVES: The MOtor Vehicle Emission Simulator (MOVES) is a state-of-the-science emission modeling system from the U.S. EPA that estimates emissions for mobile sources at the national, county, and project level for criteria air pollutants, greenhouse gases, and air toxics.

- Availability: https://www.epa.gov/moves/latest-version-motor-vehicle-emission-simulator-moves.
- Version Used: MOVES 2014b
- Documentation: http://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100NNCY.pdf

SMOKE: The Sparse Matrix Operator Kernel Emissions (SMOKE) modeling system is an emissions processor for CMAQ that takes emissions inventories in different formats and prepares them in a form that CMAQ can use by performing chemical speciation, temporal allocation and spatial allocation.

- Availability: https://www.cmascenter.org/smoke/
- Version Used: SMOKE v4.7
- Documentation: https://www.cmascenter.org/smoke/documentation/4.7/manual_smokev47.pdf
- Reference: Houyoux, M. R., Vukovich, J. M., Coats, J. C. Jr., Wheeler, N. J. M., & Kasibhatla, P. S. (2000). Emission inventory development and processing for the seasonal model for regional air quality (SMRAQ) project. Journal of Geophysical Research, 105(D7), 9079–9090. https://doi.org/10.1029/1999JD900975

CMAQ: The Community Multiscale Air Quality (CMAQ) model is a state-of-the-science comprehensive air quality model that takes into account current knowledge of the complex physical and chemical processes in the atmosphere and computing technologies to predict ozone, aerosols, toxics and acid deposition using a one-atmosphere approach. CMAQ is developed primarily by the EPA, and used extensively both within and outside the U.S. for various scientific and regulatory applications.

- Availability: https://www.cmascenter.org/cmaq/
- Version Used: CMAQ v5.2
- Documentation: https://github.com/USEPA/CMAQ/tree/master/DOCS/Users_Guide
- Reference: Byun, D. W., and K. L. Schere, 2006: Review of the governing equations, computational algorithms, and other components of the Models-3 Community Multiscale Air Quality (CMAQ) Modeling System. Appl. Mech. Rev., 59, 51-77.

TRECH Project - Health Impact Modeling

The air quality-related health and health equity analysis was led by Jon Levy, ScD (Equity; Boston University), Jonathan Buonocore, ScD (health assessment; Harvard Chan C-CHANGE), and Frederica Perera, PhD (health assessment; Columbia University) with Laura Buckley (BU), Alique Berberian (Columbia), Kathy Fallon Lambert (Harvard Chan C-CHANGE) and others on the team.

The health impact assessment tool used here is a version of BenMAP (from the U.S. EPA) but modified to work in in the statistical computing language R – and is called BenMAPR. It is a geospatial framework for performing air pollution health impact assessments, and combines the core functionality of EPA's BenMAP with the flexibility and data processing power of R. BenMAPR spatially overlays changes in ambient air pollution due to policies, infrastructure changes, or other changes to emissions sources, with data on population and background rates of air pollution relevant health outcomes. It then uses relationships from the epidemiological literature between changes in air pollution exposure and health impacts to calculate the health impacts or benefits of changes in air pollution exposure.

- BenMAP https://www.epa.gov/benmap
- Mortality data from the Centers for Disease Control (CDC) Wide ranging Online Data for Epidemiological Research (WONDER) – https://wonder.cdc.gov/mortSQL.html
- Asthma rates from the Centers for Disease Control (CDC) National Environmental Public Health Tracking https://www.cdc.gov/nceh/tracking/index.html
- Hospitalization data from the Health Care Utilization Project https://www.ahrq.gov/data/hcup/index.html

TRECH Project – Scenario Assumptions

For more details on the illustrative TCI Policy Scenarios, see:

TCI reference_case and policy scenario assumptions

For more details on the approach to estimating changes in vehicle miles and personal miles traveled based on TCI investments, see:

TCI strategy investment tool