

Supplementary Materials:

Projections of Cause-Specific Mortality and Demographic Changes under Climate Change in the Lisbon Metropolitan Area: A Modelling Framework

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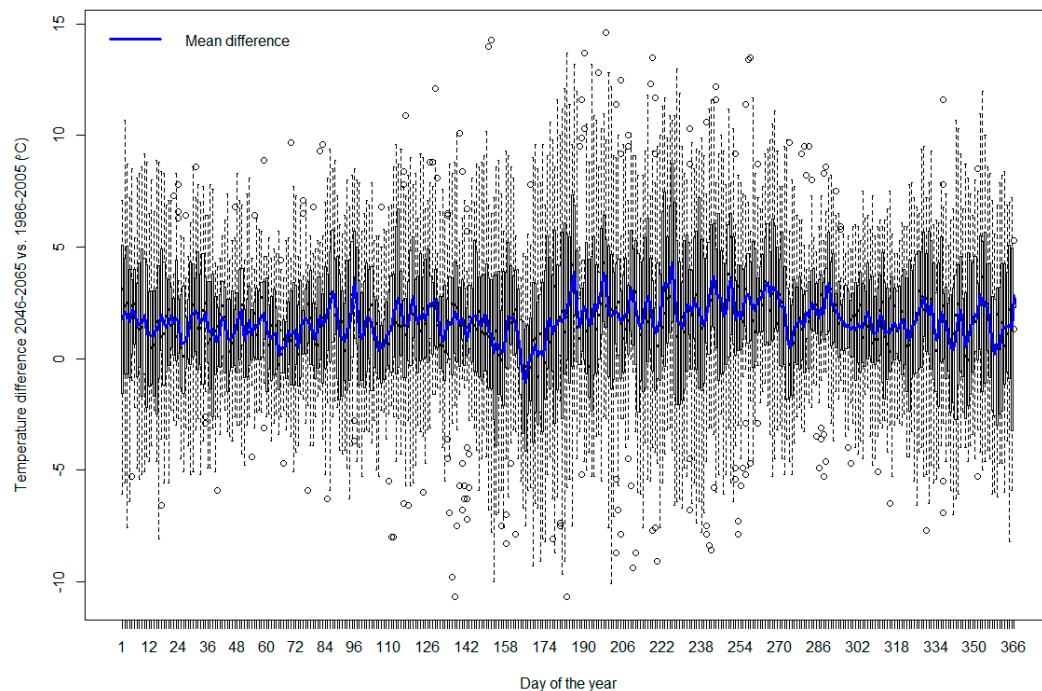


Figure S1. Distribution of daily changes in temperature between the historical period and the future period. The blue line represents median daily temperature differences (Future vs. Historical). (For interpretation of the colour references in this figure legend, the reader is referred to the Web version of this article).

Table S1. MMT (SE) and RR (95% CI) at 1st (6.9 °C) and 99th (27.7 °C) percentile temperature for different cause-specific mortality.

	MMT (SE)	RR at 6.9	RR at 27.7
All-cause	11.1 (5.63)	1.10 (1.01 – 1.19)	1.12 (0.99 – 1.28)
DM	11.2 (7.14)	1.3 (0.99 – 1.71)	1.2 (0.80 – 1.79)
CVD	22.8 (7.13)	1.16 (0.97 – 1.39)	1.08 (0.94 – 1.24)
HD	9.2 (9.34)	1.02 (0.92 – 1.12)	1.21 (0.98 – 1.51)
RD	11.4 (7.12)	1.33 (1.11 – 1.58)	1.37 (1.03 – 1.82)

Note: Minimum Mortality Temperature (MMT), Relative Risk (RR), Confidence Interval (CI).

Table S2. Number of heat-related and cold-related excess mortality based on different adaptation in the future.

Cause of death	Adaptation scenarios	Total	Extreme cold	Moderate cold	Moderate heat	Extreme heat
All	None	11030 (730.04 to 20260.41)	22.3 (2.32 to 38.88)	206.81 (−73.42 to 453.67)	1083 (548.23 to 20077.77)	9803 (61.46 to 17450.43)
All	Threshold 1 °C + High Pop	11616.20 (−793.27 to 22098.15)	4.03 (0.29 to 7.25)	68.27 (−30.38 to 160.06)	11547.93 (−913.35 to 21976.23)	1445.02 (−65.32 to 2574.79)
All	Threshold 1 °C + Low Pop	11945.56 (−492.74 to 22494.34)	4.03 (0.28 to 7.22)	66.79 (−31.41 to 158.18)	11878.78 (−561.13 to 22390.18)	1468.98 (−43.50 to 2594.82)
All	Threshold 1 °C + Med Pop	11982.40 (−467.32 to 22540.40)	4.03 (0.26 to 7.21)	66.38 (−31.80 to 157.70)	11916.02 (−533.48 to 22430.53)	1470.72 (−44.78 to 2596.13)
All	Threshold 1 °C only	12430 (857.55 to 22738.60)	4.13 (0.35 to 7.33)	68.45 (−33.43 to 159.13)	1233 (806.55 to 22682.99)	1503 (92.69 to 2649.31)
All	Threshold 2 °C + High Pop	13139.02 (−963.01 to 24991.11)	3173 (28.33 to 553.08)	19.54 (−11.91 to 48.47)	13119.48 (−997.21 to 24961.74)	2060.02 (−58.01 to 3610.31)
All	Threshold 2 °C + Low Pop	15144.56 (−327.87 to 28169.46)	3163 (27.89 to 551.11)	4.81 (−3.31 to 12.27)	15139.75 (−334.72 to 28163.05)	2863.20 (−34.59 to 4909.88)
All	Threshold 2 °C + Med Pop	13546.12 (−568.23 to 25401.30)	3153 (27.40 to 550.04)	18.90 (−12.46 to 47.68)	13527.23 (−587.72 to 25376.06)	2094.82 (−32.58 to 3643.68)
All	Threshold 2 °C only	14030 (1371.51 to 25394.20)	3253 (35.25 to 559.52)	19.48 (−12.45 to 48.15)	1403 (1378.86 to 25373.19)	2143 (172.98 to 3730.38)
All	Threshold 3 °C + High Pop	14745.63 (−751.57 to 27765.40)	3173 (28.33 to 553.08)	4.94 (−3.20 to 12.43)	14740.69 (−758.50 to 27758.81)	2820.40 (−65.27 to 4874.20)
All	Threshold 3 °C + Low Pop	15144.56 (−327.87 to 28169.46)	3163 (27.89 to 551.11)	4.81 (−3.31 to 12.27)	15139.75 (−334.72 to 28163.05)	2863.20 (−34.59 to 4909.88)
All	Threshold 3 °C + Med Pop	15189.14 (−275.80 to 28212.30)	3153 (27.40 to 550.04)	4.78 (−3.35 to 12.23)	15184.36 (−285.22 to 28205.93)	2865.73 (−38.67 to 4911.31)
All	Threshold 3 °C only	15730 (2058.09 to 28351.27)	3253 (35.25 to 559.52)	4.92 (−3.27 to 12.30)	1573 (2050.79 to 28345.97)	2933 (187.30 to 5037.59)
All	Threshold 4 °C + High Pop	16320.58 (−467.16 to 30256.64)	3173 (28.33 to 553.08)	1.03 (−1.08 to 2.97)	16319.54 (−468.65 to 30256.74)	3872.43 (−122.24 to 6638.19)

All	Threshold 4 °C + Low Pop	16747.76 (−54.89 to 30739.14)	3163 (27.89 to 551.11)	1.00 (−1.11 to 2.93)	16746.77 (−55.59 to 30737.84)	3929.82 (−56.31 to 6697.51)
All	Threshold 4 °C + Med Pop	16795.28 (−28.90 to 30785.75)	3153 (27.40 to 550.04)	0.99 (−1.11 to 2.92)	16794.29 (−29.59 to 30784.47)	3933.03 (−52.62 to 6704.09)
All	Threshold 4 °C only	17430 (2204.06 to 31174.62)	3253 (35.25 to 559.52)	1.02 (−1.10 to 2.98)	1743 (2202.71 to 31173.58)	4023 (316.15 to 6862.91)
CVD	None	5635.68 (−2343.10 to 12634.15)	11.51 (−3.63 to 23.03)	5085.61 (−2586.19 to 11977.40)	550.07 (−479.99 to 1345.45)	364.10 (−274.73 to 836.50)
CVD	Threshold 1 °C + High Pop	5566.30 (−1854.52 to 12278.52)	2.59 (−0.49 to 4.98)	4818.33 (−2133.64 to 11038.34)	747.98 (−740.72 to 1859.25)	535.58 (−470.00 to 1261.42)
CVD	Threshold 1 °C + Low Pop	5482.78 (−1970.94 to 12114.57)	2.49 (−0.57 to 4.89)	4705.30 (−2274.06 to 10936.66)	777.49 (−701.22 to 1885.42)	558.63 (−435.21 to 1280.38)
CVD	Threshold 1 °C + Med Pop	5415.08 (−2053.31 to 12032.62)	2.45 (−0.62 to 4.86)	4638.70 (−2344.40 to 10869.62)	776.38 (−702.24 to 1885.33)	557.04 (−438.54 to 1279.52)
CVD	Threshold 1 °C only	5247.69 (−2212.63 to 11838.08)	2.44 (−0.63 to 4.84)	4460.59 (−2565.66 to 10683.51)	787.10 (−686.84 to 1890.75)	566.89 (−421.18 to 1285.95)
CVD	Threshold 2 °C + High Pop	5087.96 (−2150.05 to 11676.16)	162.56 (−55.48 to 329.01)	3997.30 (−2208.22 to 9516.15)	1090.66 (−983.75 to 2612.24)	803.80 (−634.33 to 1819.79)
CVD	Threshold 2 °C + Low Pop	5146.84 (−2088.45 to 11727.75)	165.72 (−51.54 to 331.96)	4054.49 (−2148.38 to 9570.35)	1092.35 (−979.22 to 2612.41)	806.19 (−636.55 to 1821.05)
CVD	Threshold 2 °C + Med Pop	5087.96 (−2150.05 to 11676.16)	162.56 (−55.48 to 329.01)	3997.30 (−2208.22 to 9516.15)	1090.66 (−983.75 to 2612.24)	803.80 (−634.33 to 1819.79)
CVD	Threshold 2 °C only	4976.52 (−2262.80 to 11578.59)	163.53 (−53.24 to 329.69)	3870.49 (−2336.33 to 9395.95)	1106.03 (−954.29 to 2619.94)	818.19 (−618.67 to 1828.97)
CVD	Threshold 3 °C + High Pop	4830.53 (−2301.87 to 10963.60)	162.56 (−55.48 to 329.01)	2774.49 (−2160.28 to 7124.39)	2056.03 (−1780.11 to 4787.39)	1535.36 (−1238.92 to 3401.87)
CVD	Threshold 3 °C + Low Pop	4940.05 (−2082.70 to 11265.98)	165.72 (−51.54 to 331.96)	3426.99 (−2239.87 to 8444.70)	1513.06 (−1321.91 to 3571.60)	1116.71 (−891.17 to 2489.20)
CVD	Threshold 3 °C + Med Pop	4888.89 (−2128.34 to 11228.35)	162.56 (−55.48 to 329.01)	3378.38 (−2293.45 to 8414.07)	1510.51 (−1327.06 to 3571.27)	1113.29 (−889.94 to 2487.27)
CVD	Threshold 3 °C only	4825.07 (−2234.82 to 10946.03)	163.53 (−53.24 to 329.69)	2738.37 (−2194.19 to 7081.28)	2086.69 (−1737.32 to 4809.19)	1563.18 (−1194.64 to 3420.41)

CVD	Threshold 4 °C + High Pop	4774.42 (−2379.05 to 10912.23)	171.47 (−44.75 to 338.65)	2793.94 (−2157.22 to 7136.44)	1980.49 (−1918.80 to 4719.35)	1476.80 (−1341.65 to 3346.60)
CVD	Threshold 4 °C + Low Pop	4874.96 (−2248.21 to 10998.64)	165.72 (−51.54 to 331.96)	2815.05 (−2119.27 to 7160.71)	2059.91 (−1781.38 to 4787.24)	1540.13 (−1230.08 to 3404.50)
CVD	Threshold 4 °C + Med Pop	4830.53 (−2301.87 to 10963.60)	162.56 (−55.48 to 329.01)	2774.49 (−2160.28 to 7124.39)	2056.03 (−1780.11 to 4787.39)	1535.36 (−1238.92 to 3401.87)
CVD	Threshold 4 °C only	4825.07 (−2234.82 to 10946.03)	163.53 (−53.24 to 329.69)	2738.37 (−2194.19 to 7081.28)	2086.69 (−1737.32 to 4809.19)	1563.18 (−1194.64 to 3420.41)
DM	None	1621.55 (−921.43 to 3648.63)	4.32 (−0.35 to 7.37)	43.30 (−26.76 to 103.24)	1578.25 (−963.41 to 3645.12)	149.53 (−80.35 to 286.57)
DM	Threshold 1 °C + High Pop	2015.02 (−812.29 to 4350.81)	1.03 (0.10 to 1.72)	15.38 (−8.32 to 37.82)	1999.63 (−835.11 to 4335.85)	248.05 (−68.34 to 442.09)
DM	Threshold 1 °C + Low Pop	1886.79 (−955.25 to 4187.96)	0.96 (−0.05 to 1.66)	14.87 (−8.65 to 35.33)	1871.92 (−981.02 to 4209.82)	236.87 (−100.48 to 435.44)
DM	Threshold 1 °C + Med Pop	1855.86 (−984.57 to 4144.57)	0.96 (−0.05 to 1.66)	15.00 (−10.57 to 37.55)	1840.85 (−987.34 to 4129.73)	234.80 (−105.04 to 433.65)
DM	Threshold 1 °C only	1779.81 (−1092.57 to 4098.20)	0.93 (−0.08 to 1.65)	14.56 (−11.10 to 37.19)	1765.25 (−1105.22 to 4083.93)	230.67 (−112.08 to 430.74)
DM	Threshold 2 °C + High Pop	2230.78 (−925.97 to 4835.16)	63.3 (7.19 to 105.24)	4.47 (−3.16 to 11.81)	2226.31 (−927.80 to 4831.18)	353.70 (−65.23 to 610.56)
DM	Threshold 2 °C + Low Pop	2091.57 (−1089.93 to 4701.24)	61.32 (−1.82 to 101.63)	4.33 (−3.22 to 11.09)	2087.23 (−1096.95 to 4696.96)	338.19 (−114.73 to 602.78)
DM	Threshold 2 °C + Med Pop	2057.54 (−1125.30 to 4646.82)	61.33 (−2.31 to 101.88)	4.38 (−3.73 to 11.74)	2053.16 (−1126.36 to 4647.49)	335.43 (−120.05 to 600.22)
DM	Threshold 2 °C only	1972.99 (−1268.47 to 4584.27)	59.97 (−4.55 to 101.20)	4.25 (−3.87 to 11.67)	1968.75 (−1269.44 to 4576.93)	330.06 (−131.64 to 596.64)
DM	Threshold 3 °C + High Pop	2454.30 (−1084.77 to 5309.88)	63.3 (7.19 to 105.24)	1.17 (−0.84 to 3.11)	2453.14 (−1086.72 to 5307.81)	482.70 (−79.03 to 806.09)
DM	Threshold 3 °C + Low Pop	2305.12 (−1275.19 to 5201.34)	61.32 (−1.82 to 101.63)	1.13 (−0.85 to 2.91)	2303.99 (−1277.71 to 5200.29)	462.14 (−127.89 to 801.16)
DM	Threshold 3 °C + Med Pop	2268.46 (−1278.22 to 5161.36)	61.33 (−2.31 to 101.88)	1.14 (−1.00 to 3.09)	2267.32 (−1280.92 to 5160.38)	458.60 (−131.27 to 797.84)

DM	Threshold 3 °C only	2175.90 (−1380.74 to 5100.17)	59.97 (−4.55 to 101.20)	1.11 (−1.04 to 3.07)	2174.79 (−1383.41 to 5099.27)	451.92 (−144.01 to 794.71)
DM	Threshold 4 °C + High Pop	2661.64 (−1111.43 to 5723.52)	63.3 (7.19 to 105.24)	0.26 (−0.29 to 0.79)	2661.38 (−1112.03 to 5723.34)	658.95 (−90.32 to 1084.56)
DM	Threshold 4 °C + Low Pop	2504.64 (−1364.22 to 5606.83)	61.32 (−1.82 to 101.63)	0.25 (−0.27 to 0.75)	2504.39 (−1364.36 to 5606.64)	631.47 (−164.27 to 1078.17)
DM	Threshold 4 °C + Med Pop	2465.89 (−1394.66 to 5563.89)	61.33 (−2.31 to 101.88)	0.26 (−0.32 to 0.80)	2465.63 (−1395.23 to 5564.08)	626.79 (−170.39 to 1073.84)
DM	Threshold 4 °C only	2366.44 (−1532.72 to 5478.78)	59.97 (−4.55 to 101.20)	0.25 (−0.33 to 0.79)	2366.20 (−1533.29 to 5478.98)	618.00 (−186.92 to 1069.75)
HD	None	7533 (1491.42 to 12390.08)	1.72 (−6.66 to 8.63)	4.20 (−27.51 to 31.69)	7523 (1478.86 to 12388.26)	354.63 (−147.93 to 690.06)
HD	Threshold 1 °C + High Pop	8683 (1823.10 to 14251.99)	0.13 (−1.04 to 1.13)	0.35 (−4.30 to 4.49)	8683 (1822.90 to 14250.82)	527.86 (−251.06 to 1032.58)
HD	Threshold 1 °C + Low Pop	8253 (1520.26 to 13672.28)	0.20 (−1.14 to 1.34)	0.72 (−6.65 to 7.15)	8253 (1512.88 to 13677.65)	514.15 (−263.20 to 1020.78)
HD	Threshold 1 °C + Med Pop	8253 (1518.91 to 13672.86)	0.22 (−1.13 to 1.35)	0.80 (−6.57 to 7.22)	8253 (1508.17 to 13677.64)	516.57 (−261.02 to 1022.94)
HD	Threshold 1 °C only	8363 (1783.13 to 13807.44)	0.26 (−1.12 to 1.43)	1.06 (−7.03 to 8.11)	8363 (1775.30 to 13809.12)	531.79 (−235.25 to 1033.39)
HD	Threshold 2 °C + High Pop	9473 (1992.50 to 15521.49)	13.88 (−95.21 to 104.90)	0.05 (−1.01 to 1.01)	9473 (1992.42 to 15521.77)	724.13 (−385.48 to 1429.66)
HD	Threshold 2 °C + Low Pop	9023 (1830.56 to 14908.79)	20.58 (−100.86 to 119.39)	0.14 (−1.71 to 1.79)	9023 (1829.94 to 14907.91)	707.83 (−403.72 to 1409.01)
HD	Threshold 2 °C + Med Pop	9023 (1828.52 to 14912.43)	21.88 (−99.25 to 120.39)	0.16 (−1.68 to 1.80)	9023 (1827.88 to 14911.54)	711.63 (−398.72 to 1411.73)
HD	Threshold 2 °C only	9153 (2048.69 to 15057.29)	26.02 (−97.71 to 126.13)	0.23 (−1.85 to 2.06)	9153 (2048.58 to 15058.44)	733.85 (−363.79 to 1428.61)
HD	Threshold 3 °C + High Pop	1013 (2092.27 to 16727.80)	13.88 (−95.21 to 104.90)	0.03 (0.00 to 0.00)	1013 (2092.27 to 16727.80)	956.03 (−581.32 to 1903.76)
HD	Threshold 3 °C + Low Pop	9713 (1918.78 to 16132.28)	20.58 (−100.86 to 119.39)	0.01 (−0.17 to 0.17)	9713 (1918.87 to 16132.33)	937.81 (−595.86 to 1886.56)

HD	Threshold 3 °C + Med Pop	9713 (1918.32 to 16137.98)	21.88 (−99.25 to 120.39)	0.01 (−0.17 to 0.17)	9713 (1918.41 to 16138.03)	943.46 (−585.92 to 1890.83)
HD	Threshold 3 °C only	9873 (2040.78 to 16239.09)	26.02 (−97.71 to 126.13)	0.01 (−0.25 to 0.26)	9873 (2040.86 to 16239.05)	974.57 (−564.11 to 1911.51)
HD	Threshold 4 °C + High Pop	1073 (2244.59 to 17628.85)	13.88 (−95.21 to 104.90)	20.07 (−175.60 to 187.94)	1073 (2244.59 to 17628.85)	1290.42 (−866.18 to 2586.47)
HD	Threshold 4 °C + Low Pop	1023 (1740.00 to 17064.49)	20.58 (−100.86 to 119.39)	33.41 (−217.33 to 246.61)	1023 (1740.00 to 17064.49)	1268.29 (−910.97 to 2564.92)
HD	Threshold 4 °C + Med Pop	1033 (1736.43 to 17066.71)	21.88 (−99.25 to 120.39)	36.11 (−214.50 to 249.19)	1033 (1736.43 to 17066.71)	1276.38 (−895.87 to 2570.85)
HD	Threshold 4 °C only	1043 (1909.63 to 17137.39)	26.02 (−97.71 to 126.13)	44.80 (−221.13 to 269.05)	1043 (1909.63 to 17137.39)	1319.64 (−854.57 to 2598.93)
RD	None	5163 (1646.91 to 7933.96)	12.3 (5.03 to 17.56)	1453 (11.35 to 264.36)	5013 (1499.08 to 7786.50)	303.08 (−42.10 to 504.69)
RD	Threshold 1 °C + High Pop	5823 (1797.24 to 8957.72)	2.33 (1.03 to 3.45)	53.3 (2.11 to 99.74)	5773 (1747.40 to 8899.93)	458.96 (−62.20 to 758.32)
RD	Threshold 1 °C + Low Pop	5893 (1865.87 to 9026.89)	2.33 (0.96 to 3.40)	51.06 (−0.25 to 97.11)	5843 (1813.14 to 8985.95)	459.25 (−62.28 to 760.09)
RD	Threshold 1 °C + Med Pop	5873 (1843.64 to 9017.54)	2.33 (0.95 to 3.39)	50.90 (−0.45 to 96.93)	5823 (1791.05 to 8977.10)	457.60 (−64.50 to 759.15)
RD	Threshold 1 °C only	5833 (1770.92 to 8988.99)	2.33 (0.93 to 3.38)	50.76 (−0.61 to 96.76)	5783 (1718.17 to 8958.23)	453.52 (−75.83 to 756.03)
RD	Threshold 2 °C + High Pop	6593 (1992.92 to 10129.69)	1783 (79.95 to 251.71)	16.37 (−0.92 to 31.99)	6583 (1968.40 to 10121.05)	630.95 (−110.63 to 1051.79)
RD	Threshold 2 °C + Low Pop	6673 (2067.27 to 10214.80)	1743 (74.57 to 247.87)	15.52 (−1.78 to 31.03)	6653 (2041.65 to 10200.21)	630.23 (−117.79 to 1051.57)
RD	Threshold 2 °C + Med Pop	6653 (2047.12 to 10200.55)	1733 (73.94 to 247.35)	15.47 (−1.83 to 30.97)	6643 (2021.52 to 10192.34)	627.80 (−121.83 to 1049.85)
RD	Threshold 2 °C only	6603 (1988.55 to 10164.69)	1723 (72.11 to 246.80)	15.44 (−1.83 to 30.92)	6593 (1962.87 to 10157.09)	621.96 (−133.00 to 1047.79)
RD	Threshold 3 °C + High Pop	7383 (2246.41 to 11279.73)	1783 (79.95 to 251.71)	4.28 (−0.53 to 8.52)	7383 (2241.03 to 11277.64)	832.16 (−180.44 to 1381.41)

RD	Threshold 3 °C + Low Pop	7463 (2355.12 to 11351.77)	1743 (74.57 to 247.87)	4.05 (−0.75 to 8.29)	7463 (2349.97 to 11346.82)	829.75 (−185.24 to 1383.30)
RD	Threshold 3 °C + Med Pop	7453 (2332.33 to 11339.95)	1733 (73.94 to 247.35)	4.04 (−0.75 to 8.28)	7443 (2327.18 to 11335.01)	826.36 (−190.27 to 1381.82)
RD	Threshold 3 °C only	7393 (2258.72 to 11314.58)	1723 (72.11 to 246.80)	4.04 (−0.79 to 8.29)	7393 (2253.56 to 11309.67)	818.33 (−212.68 to 1374.97)
RD	Threshold 4 °C + High Pop	8123 (2541.87 to 12318.68)	1783 (79.95 to 251.71)	0.99 (−0.24 to 2.12)	8123 (2540.55 to 12317.67)	1121.41 (−284.49 to 1861.17)
RD	Threshold 4 °C + Low Pop	8203 (2624.87 to 12396.57)	1743 (74.57 to 247.87)	0.93 (−0.29 to 2.06)	8203 (2624.09 to 12395.63)	1117.21 (−307.09 to 1861.02)
RD	Threshold 4 °C + Med Pop	8193 (2591.83 to 12380.04)	1733 (73.94 to 247.35)	0.93 (−0.29 to 2.05)	8183 (2591.06 to 12379.11)	1112.51 (−317.65 to 1858.49)
RD	Threshold 4 °C only	8133 (2478.52 to 12340.46)	1723 (72.11 to 246.80)	0.93 (−0.29 to 2.06)	8133 (2477.74 to 12339.78)	1101.50 (−337.92 to 1851.63)

Table S3. Net difference (Future – Historical) in temperature-related excess mortality by different scenarios (future vs historical)

Cause-specific	Exposure	Adaptation	Relative AF% (95% CI)
All	Total	None	0.53 (–0.5 to 1.51)
All	Extreme cold	None	–0.14 (–0.25 to –0.02)
All	Moderate cold	None	–0.39 (–0.74 to 0.01)
All	Moderate heat	None	0.92 (–0.09 to 1.84)
All	Extreme heat	None	0.33 (0.02 to 0.59)
DM	Total	None	0.27 (–3.15 to 3.13)
DM	Extreme cold	None	–0.34 (–0.57 to 0.03)
DM	Moderate cold	None	–0.98 (–1.94 to 0.22)
DM	Moderate heat	None	1.25 (–2.22 to 3.86)
DM	Extreme heat	None	0.66 (–0.35 to 1.26)
CVD	Total	None	–0.83 (–2.22 to 0.67)
CVD	Extreme cold	None	–0.17 (–0.33 to 0.05)
CVD	Moderate cold	None	–1.23 (–2.51 to 0.29)
CVD	Moderate heat	None	0.39 (–0.33 to 0.93)
CVD	Extreme heat	None	0.29 (–0.21 to 0.66)
HD	Total	None	1.79 (0.04 to 3.18)
HD	Extreme cold	None	–0.04 (–0.18 to 0.14)
HD	Moderate cold	None	–0.06 (–0.37 to 0.3)
HD	Moderate heat	None	1.86 (0.12 to 3.2)
HD	Extreme heat	None	0.39 (–0.16 to 0.76)
RD	Total	None	1.46 (–0.66 to 3.13)
RD	Extreme cold	None	–0.43 (–0.61 to –0.18)
RD	Moderate cold	None	–1.28 (–2 to –0.44)
RD	Moderate heat	None	2.74 (0.71 to 4.25)
RD	Extreme heat	None	0.58 (–0.08 to 0.96)
All	Total	Threshold 1 °C only	1.19 (–0.47 to 2.72)
All	Extreme cold	Threshold 1 °C only	–0.15 (–0.26 to –0.02)
All	Moderate cold	Threshold 1 °C only	–0.46 (–0.88 to 0.03)
All	Moderate heat	Threshold 1 °C only	1.65 (–0.03 to 3.16)
All	Extreme heat	Threshold 1 °C only	0.59 (0.04 to 1.03)
DM	Total	Threshold 1 °C only	1.24 (–4.37 to 5.75)
DM	Extreme cold	Threshold 1 °C only	–0.36 (–0.61 to 0.03)
DM	Moderate cold	Threshold 1 °C only	–1.15 (–2.35 to 0.32)
DM	Moderate heat	Threshold 1 °C only	2.39 (–3.35 to 6.76)
DM	Extreme heat	Threshold 1 °C only	1.15 (–0.54 to 2.14)
CVD	Total	Threshold 1 °C only	–1.26 (–3.58 to 1.16)
CVD	Extreme cold	Threshold 1 °C only	–0.18 (–0.35 to 0.06)
CVD	Moderate cold	Threshold 1 °C only	–1.91 (–4.02 to 0.49)
CVD	Moderate heat	Threshold 1 °C only	0.65 (–0.54 to 1.53)
CVD	Extreme heat	Threshold 1 °C only	0.51 (–0.38 to 1.15)
HD	Total	Threshold 1 °C only	3.09 (0.22 to 5.29)
HD	Extreme cold	Threshold 1 °C only	–0.04 (–0.19 to 0.15)
HD	Moderate cold	Threshold 1 °C only	–0.07 (–0.4 to 0.33)

HD	Moderate heat	Threshold 1 °C only	3.16 (0.27 to 5.4)
HD	Extreme heat	Threshold 1 °C only	0.66 (−0.31 to 1.29)
RD	Total	Threshold 1 °C only	3.27 (−0.31 to 6.02)
RD	Extreme cold	Threshold 1 °C only	−0.46 (−0.65 to −0.19)
RD	Moderate cold	Threshold 1 °C only	−1.53 (−2.44 to −0.47)
RD	Moderate heat	Threshold 1 °C only	4.79 (1.34 to 7.33)
RD	Extreme heat	Threshold 1 °C only	0.98 (−0.17 to 1.64)
All	Total	Threshold 1 °C + High Pop	1.09 (−0.75 to 2.66)
All	Extreme cold	Threshold 1 °C + High Pop	−0.15 (−0.26 to −0.01)
All	Moderate cold	Threshold 1 °C + High Pop	−0.45 (−0.88 to 0.02)
All	Moderate heat	Threshold 1 °C + High Pop	1.54 (−0.27 to 3.04)
All	Extreme heat	Threshold 1 °C + High Pop	0.56 (−0.02 to 1)
DM	Total	Threshold 1 °C + High Pop	1.5 (−4.19 to 5.69)
DM	Extreme cold	Threshold 1 °C + High Pop	−0.38 (−0.63 to −0.04)
DM	Moderate cold	Threshold 1 °C + High Pop	−1.23 (−2.42 to 0.18)
DM	Moderate heat	Threshold 1 °C + High Pop	2.73 (−2.72 to 6.84)
DM	Extreme heat	Threshold 1 °C + High Pop	1.24 (−0.31 to 2.19)
CVD	Total	Threshold 1 °C + High Pop	−1.57 (−3.85 to 0.81)
CVD	Extreme cold	Threshold 1 °C + High Pop	−0.18 (−0.36 to 0.05)
CVD	Moderate cold	Threshold 1 °C + High Pop	−2.19 (−4.26 to 0.18)
CVD	Moderate heat	Threshold 1 °C + High Pop	0.62 (−0.59 to 1.5)
CVD	Extreme heat	Threshold 1 °C + High Pop	0.48 (−0.43 to 1.12)
HD	Total	Threshold 1 °C + High Pop	3.19 (0.34 to 5.38)
HD	Extreme cold	Threshold 1 °C + High Pop	−0.02 (−0.16 to 0.15)
HD	Moderate cold	Threshold 1 °C + High Pop	−0.03 (−0.28 to 0.27)
HD	Moderate heat	Threshold 1 °C + High Pop	3.22 (0.35 to 5.44)
HD	Extreme heat	Threshold 1 °C + High Pop	0.66 (−0.32 to 1.3)
RD	Total	Threshold 1 °C + High Pop	3.17 (−0.4 to 5.94)
RD	Extreme cold	Threshold 1 °C + High Pop	−0.47 (−0.66 to −0.21)
RD	Moderate cold	Threshold 1 °C + High Pop	−1.6 (−2.5 to −0.55)
RD	Moderate heat	Threshold 1 °C + High Pop	4.77 (1.37 to 7.3)
RD	Extreme heat	Threshold 1 °C + High Pop	0.99 (−0.14 to 1.65)
All	Total	Threshold 1 °C + Med Pop	1.15 (−0.69 to 2.7)
All	Extreme cold	Threshold 1 °C + Med Pop	−0.15 (−0.26 to −0.01)
All	Moderate cold	Threshold 1 °C + Med Pop	−0.44 (−0.87 to 0.02)
All	Moderate heat	Threshold 1 °C + Med Pop	1.59 (−0.21 to 3.1)
All	Extreme heat	Threshold 1 °C + Med Pop	0.57 (−0.02 to 1.01)
DM	Total	Threshold 1 °C + Med Pop	1.34 (−4.23 to 5.85)
DM	Extreme cold	Threshold 1 °C + Med Pop	−0.37 (−0.61 to 0.01)
DM	Moderate cold	Threshold 1 °C + Med Pop	−1.18 (−2.38 to 0.28)
DM	Moderate heat	Threshold 1 °C + Med Pop	2.52 (−3.1 to 6.86)
DM	Extreme heat	Threshold 1 °C + Med Pop	1.17 (−0.51 to 2.15)
CVD	Total	Threshold 1 °C + Med Pop	−1.37 (−3.68 to 1.03)
CVD	Extreme cold	Threshold 1 °C + Med Pop	−0.17 (−0.35 to 0.06)
CVD	Moderate cold	Threshold 1 °C + Med Pop	−2.01 (−4.11 to 0.38)
CVD	Moderate heat	Threshold 1 °C + Med Pop	0.64 (−0.55 to 1.52)
CVD	Extreme heat	Threshold 1 °C + Med Pop	0.5 (−0.39 to 1.14)

HD	Total	Threshold 1 °C + Med Pop	3.04 (0.17 to 5.25)
HD	Extreme cold	Threshold 1 °C + Med Pop	-0.03 (-0.18 to 0.15)
HD	Moderate cold	Threshold 1 °C + Med Pop	-0.05 (-0.37 to 0.32)
HD	Moderate heat	Threshold 1 °C + Med Pop	3.1 (0.2 to 5.35)
HD	Extreme heat	Threshold 1 °C + Med Pop	0.64 (-0.33 to 1.27)
RD	Total	Threshold 1 °C + Med Pop	3.29 (-0.28 to 6.04)
RD	Extreme cold	Threshold 1 °C + Med Pop	-0.46 (-0.65 to -0.2)
RD	Moderate cold	Threshold 1 °C + Med Pop	-1.54 (-2.44 to -0.49)
RD	Moderate heat	Threshold 1 °C + Med Pop	4.82 (1.41 to 7.35)
RD	Extreme heat	Threshold 1 °C + Med Pop	0.99 (-0.15 to 1.65)
All	Total	Threshold 1 °C + Low Pop	1.14 (-0.7 to 2.7)
All	Extreme cold	Threshold 1 °C + Low Pop	-0.15 (-0.26 to -0.01)
All	Moderate cold	Threshold 1 °C + Low Pop	-0.44 (-0.87 to 0.02)
All	Moderate heat	Threshold 1 °C + Low Pop	1.58 (-0.22 to 3.09)
All	Extreme heat	Threshold 1 °C + Low Pop	0.57 (-0.01 to 1.01)
DM	Total	Threshold 1 °C + Low Pop	1.39 (-4.17 to 5.88)
DM	Extreme cold	Threshold 1 °C + Low Pop	-0.37 (-0.61 to 0.01)
DM	Moderate cold	Threshold 1 °C + Low Pop	-1.18 (-2.34 to 0.25)
DM	Moderate heat	Threshold 1 °C + Low Pop	2.57 (-3 to 6.88)
DM	Extreme heat	Threshold 1 °C + Low Pop	1.18 (-0.48 to 2.16)
CVD	Total	Threshold 1 °C + Low Pop	-1.4 (-3.71 to 0.99)
CVD	Extreme cold	Threshold 1 °C + Low Pop	-0.18 (-0.36 to 0.06)
CVD	Moderate cold	Threshold 1 °C + Low Pop	-2.05 (-4.14 to 0.34)
CVD	Moderate heat	Threshold 1 °C + Low Pop	0.64 (-0.55 to 1.52)
CVD	Extreme heat	Threshold 1 °C + Low Pop	0.5 (-0.39 to 1.14)
HD	Total	Threshold 1 °C + Low Pop	3.05 (0.17 to 5.25)
HD	Extreme cold	Threshold 1 °C + Low Pop	-0.03 (-0.18 to 0.15)
HD	Moderate cold	Threshold 1 °C + Low Pop	-0.05 (-0.37 to 0.33)
HD	Moderate heat	Threshold 1 °C + Low Pop	3.1 (0.2 to 5.34)
HD	Extreme heat	Threshold 1 °C + Low Pop	0.64 (-0.33 to 1.27)
RD	Total	Threshold 1 °C + Low Pop	3.29 (-0.27 to 6.04)
RD	Extreme cold	Threshold 1 °C + Low Pop	-0.46 (-0.65 to -0.2)
RD	Moderate cold	Threshold 1 °C + Low Pop	-1.54 (-2.45 to -0.49)
RD	Moderate heat	Threshold 1 °C + Low Pop	4.83 (1.42 to 7.35)
RD	Extreme heat	Threshold 1 °C + Low Pop	0.99 (-0.14 to 1.65)
All	Total	Threshold 2 °C only	1.96 (-0.39 to 4.08)
All	Extreme cold	Threshold 2 °C only	0 (0 to 0)
All	Moderate cold	Threshold 2 °C only	-0.48 (-0.93 to 0.04)
All	Moderate heat	Threshold 2 °C only	2.44 (0.03 to 4.57)
All	Extreme heat	Threshold 2 °C only	0.89 (0.08 to 1.55)
DM	Total	Threshold 2 °C only	2.41 (-5.17 to 8.59)
DM	Extreme cold	Threshold 2 °C only	0 (0 to 0)
DM	Moderate cold	Threshold 2 °C only	-1.22 (-2.51 to 0.36)
DM	Moderate heat	Threshold 2 °C only	3.63 (-4.6 to 9.64)
DM	Extreme heat	Threshold 2 °C only	1.76 (-0.66 to 3.15)
CVD	Total	Threshold 2 °C only	-1.55 (-4.91 to 1.74)
CVD	Extreme cold	Threshold 2 °C only	0 (0 to 0)

CVD	Moderate cold	Threshold 2 °C only	-2.55 (-5.52 to 0.75)
CVD	Moderate heat	Threshold 2 °C only	1 (-0.83 to 2.32)
CVD	Extreme heat	Threshold 2 °C only	0.78 (-0.59 to 1.74)
HD	Total	Threshold 2 °C only	4.32 (0.24 to 7.38)
HD	Extreme cold	Threshold 2 °C only	0 (0 to 0)
HD	Moderate cold	Threshold 2 °C only	-0.07 (-0.41 to 0.34)
HD	Moderate heat	Threshold 2 °C only	4.38 (0.28 to 7.49)
HD	Extreme heat	Threshold 2 °C only	0.98 (-0.51 to 1.9)
RD	Total	Threshold 2 °C only	5.34 (0.29 to 9.11)
RD	Extreme cold	Threshold 2 °C only	0 (0 to 0)
RD	Moderate cold	Threshold 2 °C only	-1.62 (-2.61 to -0.47)
RD	Moderate heat	Threshold 2 °C only	6.96 (2.01 to 10.56)
RD	Extreme heat	Threshold 2 °C only	1.43 (-0.33 to 2.41)
All	Total	Threshold 2 °C + High Pop	1.82 (-0.72 to 3.95)
All	Extreme cold	Threshold 2 °C + High Pop	0 (0 to 0)
All	Moderate cold	Threshold 2 °C + High Pop	-0.47 (-0.93 to 0.03)
All	Moderate heat	Threshold 2 °C + High Pop	2.29 (-0.27 to 4.39)
All	Extreme heat	Threshold 2 °C + High Pop	0.85 (-0.02 to 1.49)
DM	Total	Threshold 2 °C + High Pop	2.81 (-5.04 to 8.49)
DM	Extreme cold	Threshold 2 °C + High Pop	0 (0 to 0)
DM	Moderate cold	Threshold 2 °C + High Pop	-1.29 (-2.58 to 0.21)
DM	Moderate heat	Threshold 2 °C + High Pop	4.11 (-3.45 to 9.86)
DM	Extreme heat	Threshold 2 °C + High Pop	1.88 (-0.29 to 3.21)
CVD	Total	Threshold 2 °C + High Pop	-1.73 (-5.06 to 1.56)
CVD	Extreme cold	Threshold 2 °C + High Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 2 °C + High Pop	-2.71 (-5.67 to 0.56)
CVD	Moderate heat	Threshold 2 °C + High Pop	0.98 (-0.85 to 2.31)
CVD	Extreme heat	Threshold 2 °C + High Pop	0.77 (-0.61 to 1.73)
HD	Total	Threshold 2 °C + High Pop	4.41 (0.38 to 7.44)
HD	Extreme cold	Threshold 2 °C + High Pop	0 (0 to 0)
HD	Moderate cold	Threshold 2 °C + High Pop	-0.03 (-0.29 to 0.27)
HD	Moderate heat	Threshold 2 °C + High Pop	4.44 (0.33 to 7.52)
HD	Extreme heat	Threshold 2 °C + High Pop	0.96 (-0.53 to 1.9)
RD	Total	Threshold 2 °C + High Pop	5.24 (0.2 to 9.02)
RD	Extreme cold	Threshold 2 °C + High Pop	0 (0 to 0)
RD	Moderate cold	Threshold 2 °C + High Pop	-1.69 (-2.68 to -0.55)
RD	Moderate heat	Threshold 2 °C + High Pop	6.93 (1.99 to 10.49)
RD	Extreme heat	Threshold 2 °C + High Pop	1.45 (-0.28 to 2.42)
All	Total	Threshold 2 °C + Med Pop	1.89 (-0.65 to 4)
All	Extreme cold	Threshold 2 °C + Med Pop	0 (0 to 0)
All	Moderate cold	Threshold 2 °C + Med Pop	-0.46 (-0.92 to 0.03)
All	Moderate heat	Threshold 2 °C + Med Pop	2.36 (-0.2 to 4.45)
All	Extreme heat	Threshold 2 °C + Med Pop	0.87 (-0.01 to 1.5)
DM	Total	Threshold 2 °C + Med Pop	2.57 (-4.97 to 8.66)
DM	Extreme cold	Threshold 2 °C + Med Pop	0 (0 to 0)
DM	Moderate cold	Threshold 2 °C + Med Pop	-1.25 (-2.54 to 0.32)
DM	Moderate heat	Threshold 2 °C + Med Pop	3.82 (-4.28 to 9.76)

DM	Extreme heat	Threshold 2 °C + Med Pop	1.79 (−0.61 to 3.17)
CVD	Total	Threshold 2 °C + Med Pop	−1.73 (−5.06 to 1.56)
CVD	Extreme cold	Threshold 2 °C + Med Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 2 °C + Med Pop	−2.71 (−5.67 to 0.56)
CVD	Moderate heat	Threshold 2 °C + Med Pop	0.98 (−0.85 to 2.31)
CVD	Extreme heat	Threshold 2 °C + Med Pop	0.77 (−0.61 to 1.73)
HD	Total	Threshold 2 °C + Med Pop	4.24 (0.16 to 7.32)
HD	Extreme cold	Threshold 2 °C + Med Pop	0 (0 to 0)
HD	Moderate cold	Threshold 2 °C + Med Pop	−0.06 (−0.38 to 0.33)
HD	Moderate heat	Threshold 2 °C + Med Pop	4.3 (0.16 to 7.41)
HD	Extreme heat	Threshold 2 °C + Med Pop	0.95 (−0.55 to 1.88)
RD	Total	Threshold 2 °C + Med Pop	5.37 (0.33 to 9.13)
RD	Extreme cold	Threshold 2 °C + Med Pop	0 (0 to 0)
RD	Moderate cold	Threshold 2 °C + Med Pop	−1.63 (−2.61 to −0.49)
RD	Moderate heat	Threshold 2 °C + Med Pop	7 (2.07 to 10.58)
RD	Extreme heat	Threshold 2 °C + Med Pop	1.45 (−0.3 to 2.41)
All	Total	Threshold 2 °C + Low Pop	2.66 (−0.71 to 5.35)
All	Extreme cold	Threshold 2 °C + Low Pop	0 (0 to 0)
All	Moderate cold	Threshold 2 °C + Low Pop	−0.47 (−0.94 to 0.04)
All	Moderate heat	Threshold 2 °C + Low Pop	3.14 (−0.16 to 5.87)
All	Extreme heat	Threshold 2 °C + Low Pop	1.23 (−0.02 to 2.11)
DM	Total	Threshold 2 °C + Low Pop	2.64 (−4.89 to 8.71)
DM	Extreme cold	Threshold 2 °C + Low Pop	0 (0 to 0)
DM	Moderate cold	Threshold 2 °C + Low Pop	−1.24 (−2.5 to 0.28)
DM	Moderate heat	Threshold 2 °C + Low Pop	3.88 (−4.15 to 9.82)
DM	Extreme heat	Threshold 2 °C + Low Pop	1.8 (−0.6 to 3.18)
CVD	Total	Threshold 2 °C + Low Pop	−1.77 (−5.1 to 1.5)
CVD	Extreme cold	Threshold 2 °C + Low Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 2 °C + Low Pop	−2.76 (−5.71 to 0.52)
CVD	Moderate heat	Threshold 2 °C + Low Pop	0.98 (−0.85 to 2.31)
CVD	Extreme heat	Threshold 2 °C + Low Pop	0.77 (−0.61 to 1.73)
HD	Total	Threshold 2 °C + Low Pop	4.24 (0.16 to 7.32)
HD	Extreme cold	Threshold 2 °C + Low Pop	0 (0 to 0)
HD	Moderate cold	Threshold 2 °C + Low Pop	−0.05 (−0.38 to 0.33)
HD	Moderate heat	Threshold 2 °C + Low Pop	4.29 (0.15 to 7.4)
HD	Extreme heat	Threshold 2 °C + Low Pop	0.94 (−0.55 to 1.88)
RD	Total	Threshold 2 °C + Low Pop	5.38 (0.35 to 9.13)
RD	Extreme cold	Threshold 2 °C + Low Pop	0 (0 to 0)
RD	Moderate cold	Threshold 2 °C + Low Pop	−1.64 (−2.62 to −0.49)
RD	Moderate heat	Threshold 2 °C + Low Pop	7.02 (2.08 to 10.58)
RD	Extreme heat	Threshold 2 °C + Low Pop	1.45 (−0.29 to 2.42)
All	Total	Threshold 3 °C only	2.77 (−0.28 to 5.53)
All	Extreme cold	Threshold 3 °C only	0 (0 to 0)
All	Moderate cold	Threshold 3 °C only	−0.49 (−0.95 to 0.04)
All	Moderate heat	Threshold 3 °C only	3.26 (0.11 to 6)
All	Extreme heat	Threshold 3 °C only	1.27 (0.09 to 2.16)
DM	Total	Threshold 3 °C only	3.65 (−6.4 to 11.43)

DM	Extreme cold	Threshold 3 °C only	0 (0 to 0)
DM	Moderate cold	Threshold 3 °C only	-1.24 (-2.56 to 0.38)
DM	Moderate heat	Threshold 3 °C only	4.88 (-5.49 to 12.38)
DM	Extreme heat	Threshold 3 °C only	2.5 (-0.77 to 4.35)
CVD	Total	Threshold 3 °C only	-1.72 (-7.2 to 3.43)
CVD	Extreme cold	Threshold 3 °C only	0 (0 to 0)
CVD	Moderate cold	Threshold 3 °C only	-3.78 (-8.31 to 1.17)
CVD	Moderate heat	Threshold 3 °C only	2.07 (-1.7 to 4.73)
CVD	Extreme heat	Threshold 3 °C only	1.59 (-1.23 to 3.48)
HD	Total	Threshold 3 °C only	5.42 (0.14 to 9.36)
HD	Extreme cold	Threshold 3 °C only	0 (0 to 0)
HD	Moderate cold	Threshold 3 °C only	-0.07 (-0.42 to 0.34)
HD	Moderate heat	Threshold 3 °C only	5.49 (0.3 to 9.41)
HD	Extreme heat	Threshold 3 °C only	1.35 (-0.82 to 2.66)
RD	Total	Threshold 3 °C only	7.45 (0.82 to 12.15)
RD	Extreme cold	Threshold 3 °C only	0 (0 to 0)
RD	Moderate cold	Threshold 3 °C only	-1.65 (-2.66 to -0.47)
RD	Moderate heat	Threshold 3 °C only	9.1 (2.72 to 13.76)
RD	Extreme heat	Threshold 3 °C only	1.96 (-0.54 to 3.3)
All	Total	Threshold 3 °C + High Pop	2.58 (-0.81 to 5.27)
All	Extreme cold	Threshold 3 °C + High Pop	0 (0 to 0)
All	Moderate cold	Threshold 3 °C + High Pop	-0.48 (-0.95 to 0.03)
All	Moderate heat	Threshold 3 °C + High Pop	3.06 (-0.24 to 5.82)
All	Extreme heat	Threshold 3 °C + High Pop	1.22 (-0.04 to 2.09)
DM	Total	Threshold 3 °C + High Pop	4.17 (-5.76 to 11.19)
DM	Extreme cold	Threshold 3 °C + High Pop	0 (0 to 0)
DM	Moderate cold	Threshold 3 °C + High Pop	-1.31 (-2.63 to 0.23)
DM	Moderate heat	Threshold 3 °C + High Pop	5.49 (-4.02 to 12.82)
DM	Extreme heat	Threshold 3 °C + High Pop	2.67 (-0.37 to 4.42)
CVD	Total	Threshold 3 °C + High Pop	-2.01 (-7.44 to 3.07)
CVD	Extreme cold	Threshold 3 °C + High Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 3 °C + High Pop	-4.05 (-8.54 to 0.86)
CVD	Moderate heat	Threshold 3 °C + High Pop	2.04 (-1.76 to 4.71)
CVD	Extreme heat	Threshold 3 °C + High Pop	1.57 (-1.27 to 3.46)
HD	Total	Threshold 3 °C + High Pop	5.5 (0.22 to 9.45)
HD	Extreme cold	Threshold 3 °C + High Pop	0 (0 to 0)
HD	Moderate cold	Threshold 3 °C + High Pop	-0.03 (-0.29 to 0.27)
HD	Moderate heat	Threshold 3 °C + High Pop	5.53 (0.3 to 9.42)
HD	Extreme heat	Threshold 3 °C + High Pop	1.32 (-0.83 to 2.65)
RD	Total	Threshold 3 °C + High Pop	7.35 (0.72 to 12.07)
RD	Extreme cold	Threshold 3 °C + High Pop	0 (0 to 0)
RD	Moderate cold	Threshold 3 °C + High Pop	-1.73 (-2.73 to -0.55)
RD	Moderate heat	Threshold 3 °C + High Pop	9.08 (2.75 to 13.71)
RD	Extreme heat	Threshold 3 °C + High Pop	1.99 (-0.46 to 3.31)
All	Total	Threshold 3 °C + Med Pop	2.67 (-0.7 to 5.36)
All	Extreme cold	Threshold 3 °C + Med Pop	0 (0 to 0)
All	Moderate cold	Threshold 3 °C + Med Pop	-0.47 (-0.94 to 0.04)

All	Moderate heat	Threshold 3 °C + Med Pop	3.15 (−0.15 to 5.88)
All	Extreme heat	Threshold 3 °C + Med Pop	1.24 (−0.02 to 2.11)
DM	Total	Threshold 3 °C + Med Pop	3.85 (−6.04 to 11.56)
DM	Extreme cold	Threshold 3 °C + Med Pop	0 (0 to 0)
DM	Moderate cold	Threshold 3 °C + Med Pop	−1.27 (−2.58 to 0.33)
DM	Moderate heat	Threshold 3 °C + Med Pop	5.12 (−5.11 to 12.54)
DM	Extreme heat	Threshold 3 °C + Med Pop	2.54 (−0.7 to 4.37)
CVD	Total	Threshold 3 °C + Med Pop	−1.95 (−6.33 to 2.23)
CVD	Extreme cold	Threshold 3 °C + Med Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 3 °C + Med Pop	−3.39 (−7.15 to 0.72)
CVD	Moderate heat	Threshold 3 °C + Med Pop	1.44 (−1.24 to 3.36)
CVD	Extreme heat	Threshold 3 °C + Med Pop	1.11 (−0.89 to 2.46)
HD	Total	Threshold 3 °C + Med Pop	5.31 (0.01 to 9.27)
HD	Extreme cold	Threshold 3 °C + Med Pop	0 (0 to 0)
HD	Moderate cold	Threshold 3 °C + Med Pop	−0.06 (−0.39 to 0.33)
HD	Moderate heat	Threshold 3 °C + Med Pop	5.37 (0.15 to 9.3)
HD	Extreme heat	Threshold 3 °C + Med Pop	1.31 (−0.87 to 2.63)
RD	Total	Threshold 3 °C + Med Pop	7.5 (0.83 to 12.2)
RD	Extreme cold	Threshold 3 °C + Med Pop	0 (0 to 0)
RD	Moderate cold	Threshold 3 °C + Med Pop	−1.66 (−2.67 to −0.48)
RD	Moderate heat	Threshold 3 °C + Med Pop	9.16 (2.8 to 13.79)
RD	Extreme heat	Threshold 3 °C + Med Pop	1.98 (−0.51 to 3.31)
All	Total	Threshold 3 °C + Low Pop	2.66 (−0.71 to 5.35)
All	Extreme cold	Threshold 3 °C + Low Pop	0 (0 to 0)
All	Moderate cold	Threshold 3 °C + Low Pop	−0.47 (−0.94 to 0.04)
All	Moderate heat	Threshold 3 °C + Low Pop	3.14 (−0.16 to 5.87)
All	Extreme heat	Threshold 3 °C + Low Pop	1.23 (−0.02 to 2.11)
DM	Total	Threshold 3 °C + Low Pop	3.94 (−5.91 to 11.61)
DM	Extreme cold	Threshold 3 °C + Low Pop	0 (0 to 0)
DM	Moderate cold	Threshold 3 °C + Low Pop	−1.26 (−2.55 to 0.29)
DM	Moderate heat	Threshold 3 °C + Low Pop	5.2 (−4.98 to 12.61)
DM	Extreme heat	Threshold 3 °C + Low Pop	2.56 (−0.65 to 4.39)
CVD	Total	Threshold 3 °C + Low Pop	−2 (−6.37 to 2.17)
CVD	Extreme cold	Threshold 3 °C + Low Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 3 °C + Low Pop	−3.44 (−7.19 to 0.66)
CVD	Moderate heat	Threshold 3 °C + Low Pop	1.44 (−1.24 to 3.36)
CVD	Extreme heat	Threshold 3 °C + Low Pop	1.11 (−0.89 to 2.46)
HD	Total	Threshold 3 °C + Low Pop	5.31 (0.01 to 9.26)
HD	Extreme cold	Threshold 3 °C + Low Pop	0 (0 to 0)
HD	Moderate cold	Threshold 3 °C + Low Pop	−0.05 (−0.38 to 0.34)
HD	Moderate heat	Threshold 3 °C + Low Pop	5.36 (0.14 to 9.29)
HD	Extreme heat	Threshold 3 °C + Low Pop	1.3 (−0.88 to 2.62)
RD	Total	Threshold 3 °C + Low Pop	7.51 (0.86 to 12.21)
RD	Extreme cold	Threshold 3 °C + Low Pop	0 (0 to 0)
RD	Moderate cold	Threshold 3 °C + Low Pop	−1.67 (−2.68 to −0.49)
RD	Moderate heat	Threshold 3 °C + Low Pop	9.18 (2.84 to 13.81)
RD	Extreme heat	Threshold 3 °C + Low Pop	1.98 (−0.49 to 3.31)

All	Total	Threshold 4 °C only	3.56 (−0.25 to 6.88)
All	Extreme cold	Threshold 4 °C only	0 (0 to 0)
All	Moderate cold	Threshold 4 °C only	−0.49 (−0.95 to 0.04)
All	Moderate heat	Threshold 4 °C only	4.05 (0.13 to 7.39)
All	Extreme heat	Threshold 4 °C only	1.79 (0.16 to 3.03)
DM	Total	Threshold 4 °C only	4.81 (−7.74 to 13.99)
DM	Extreme cold	Threshold 4 °C only	0 (0 to 0)
DM	Moderate cold	Threshold 4 °C only	−1.24 (−2.57 to 0.38)
DM	Moderate heat	Threshold 4 °C only	6.05 (−6.66 to 15.04)
DM	Extreme heat	Threshold 4 °C only	3.51 (−1.08 to 6.02)
CVD	Total	Threshold 4 °C only	−1.72 (−7.2 to 3.43)
CVD	Extreme cold	Threshold 4 °C only	0 (0 to 0)
CVD	Moderate cold	Threshold 4 °C only	−3.78 (−8.31 to 1.17)
CVD	Moderate heat	Threshold 4 °C only	2.07 (−1.7 to 4.73)
CVD	Extreme heat	Threshold 4 °C only	1.59 (−1.23 to 3.48)
HD	Total	Threshold 4 °C only	6.35 (−0.11 to 11.1)
HD	Extreme cold	Threshold 4 °C only	0 (0 to 0)
HD	Moderate cold	Threshold 4 °C only	0 (0 to 0)
HD	Moderate heat	Threshold 4 °C only	6.42 (−0.16 to 11.27)
HD	Extreme heat	Threshold 4 °C only	1.88 (−1.26 to 3.72)
RD	Total	Threshold 4 °C only	9.41 (1.4 to 14.99)
RD	Extreme cold	Threshold 4 °C only	0 (0 to 0)
RD	Moderate cold	Threshold 4 °C only	−1.66 (−2.68 to −0.47)
RD	Moderate heat	Threshold 4 °C only	11.08 (3.03 to 16.51)
RD	Extreme heat	Threshold 4 °C only	2.71 (−0.91 to 4.56)
All	Total	Threshold 4 °C + High Pop	3.33 (−0.73 to 6.58)
All	Extreme cold	Threshold 4 °C + High Pop	0 (0 to 0)
All	Moderate cold	Threshold 4 °C + High Pop	−0.48 (−0.95 to 0.04)
All	Moderate heat	Threshold 4 °C + High Pop	3.81 (−0.27 to 7.14)
All	Extreme heat	Threshold 4 °C + High Pop	1.72 (−0.04 to 2.94)
DM	Total	Threshold 4 °C + High Pop	5.43 (−6.62 to 13.77)
DM	Extreme cold	Threshold 4 °C + High Pop	0 (0 to 0)
DM	Moderate cold	Threshold 4 °C + High Pop	−1.32 (−2.65 to 0.23)
DM	Moderate heat	Threshold 4 °C + High Pop	6.75 (−5.06 to 15.32)
DM	Extreme heat	Threshold 4 °C + High Pop	3.74 (−0.5 to 6.11)
CVD	Total	Threshold 4 °C + High Pop	−2.43 (−7.81 to 2.63)
CVD	Extreme cold	Threshold 4 °C + High Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 4 °C + High Pop	−4.39 (−8.85 to 0.52)
CVD	Moderate heat	Threshold 4 °C + High Pop	1.96 (−1.9 to 4.64)
CVD	Extreme heat	Threshold 4 °C + High Pop	1.51 (−1.37 to 3.4)
HD	Total	Threshold 4 °C + High Pop	6.42 (0.02 to 11.17)
HD	Extreme cold	Threshold 4 °C + High Pop	0 (0 to 0)
HD	Moderate cold	Threshold 4 °C + High Pop	0 (0 to 0)
HD	Moderate heat	Threshold 4 °C + High Pop	6.45 (0 to 11.3)
HD	Extreme heat	Threshold 4 °C + High Pop	1.84 (−1.26 to 3.7)
RD	Total	Threshold 4 °C + High Pop	9.31 (1.37 to 14.86)
RD	Extreme cold	Threshold 4 °C + High Pop	0 (0 to 0)

RD	Moderate cold	Threshold 4 °C + High Pop	-1.74 (-2.75 to -0.55)
RD	Moderate heat	Threshold 4 °C + High Pop	11.05 (3.08 to 16.56)
RD	Extreme heat	Threshold 4 °C + High Pop	2.77 (-0.78 to 4.59)
All	Total	Threshold 4 °C + Med Pop	3.44 (-0.6 to 6.67)
All	Extreme cold	Threshold 4 °C + Med Pop	0 (0 to 0)
All	Moderate cold	Threshold 4 °C + Med Pop	-0.47 (-0.94 to 0.04)
All	Moderate heat	Threshold 4 °C + Med Pop	3.91 (-0.19 to 7.22)
All	Extreme heat	Threshold 4 °C + Med Pop	1.74 (-0.01 to 2.97)
DM	Total	Threshold 4 °C + Med Pop	5.05 (-7.38 to 14.22)
DM	Extreme cold	Threshold 4 °C + Med Pop	0 (0 to 0)
DM	Moderate cold	Threshold 4 °C + Med Pop	-1.27 (-2.6 to 0.34)
DM	Moderate heat	Threshold 4 °C + Med Pop	6.32 (-6.36 to 15.23)
DM	Extreme heat	Threshold 4 °C + Med Pop	3.56 (-0.96 to 6.05)
CVD	Total	Threshold 4 °C + Med Pop	-2.01 (-7.44 to 3.07)
CVD	Extreme cold	Threshold 4 °C + Med Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 4 °C + Med Pop	-4.05 (-8.54 to 0.86)
CVD	Moderate heat	Threshold 4 °C + Med Pop	2.04 (-1.76 to 4.71)
CVD	Extreme heat	Threshold 4 °C + Med Pop	1.57 (-1.27 to 3.46)
HD	Total	Threshold 4 °C + Med Pop	6.22 (-0.25 to 11)
HD	Extreme cold	Threshold 4 °C + Med Pop	0 (0 to 0)
HD	Moderate cold	Threshold 4 °C + Med Pop	0 (0 to 0)
HD	Moderate heat	Threshold 4 °C + Med Pop	6.28 (-0.22 to 11.11)
HD	Extreme heat	Threshold 4 °C + Med Pop	1.82 (-1.35 to 3.68)
RD	Total	Threshold 4 °C + Med Pop	9.47 (1.51 to 15.03)
RD	Extreme cold	Threshold 4 °C + Med Pop	0 (0 to 0)
RD	Moderate cold	Threshold 4 °C + Med Pop	-1.67 (-2.69 to -0.48)
RD	Moderate heat	Threshold 4 °C + Med Pop	11.14 (3.13 to 16.59)
RD	Extreme heat	Threshold 4 °C + Med Pop	2.74 (-0.86 to 4.58)
All	Total	Threshold 4 °C + Low Pop	3.43 (-0.62 to 6.66)
All	Extreme cold	Threshold 4 °C + Low Pop	0 (0 to 0)
All	Moderate cold	Threshold 4 °C + Low Pop	-0.47 (-0.95 to 0.04)
All	Moderate heat	Threshold 4 °C + Low Pop	3.9 (-0.2 to 7.2)
All	Extreme heat	Threshold 4 °C + Low Pop	1.74 (-0.02 to 2.97)
DM	Total	Threshold 4 °C + Low Pop	5.15 (-7.21 to 14.26)
DM	Extreme cold	Threshold 4 °C + Low Pop	0 (0 to 0)
DM	Moderate cold	Threshold 4 °C + Low Pop	-1.27 (-2.56 to 0.3)
DM	Moderate heat	Threshold 4 °C + Low Pop	6.42 (-6.3 to 15.29)
DM	Extreme heat	Threshold 4 °C + Low Pop	3.59 (-0.91 to 6.07)
CVD	Total	Threshold 4 °C + Low Pop	-2.07 (-7.48 to 3)
CVD	Extreme cold	Threshold 4 °C + Low Pop	0 (0 to 0)
CVD	Moderate cold	Threshold 4 °C + Low Pop	-4.11 (-8.59 to 0.79)
CVD	Moderate heat	Threshold 4 °C + Low Pop	2.04 (-1.75 to 4.7)
CVD	Extreme heat	Threshold 4 °C + Low Pop	1.57 (-1.26 to 3.46)
HD	Total	Threshold 4 °C + Low Pop	6.21 (-0.26 to 10.99)
HD	Extreme cold	Threshold 4 °C + Low Pop	0 (0 to 0)
HD	Moderate cold	Threshold 4 °C + Low Pop	0 (0 to 0)
HD	Moderate heat	Threshold 4 °C + Low Pop	6.26 (-0.23 to 11.09)

HD	Extreme heat	Threshold 4 °C + Low Pop	1.81 (−1.37 to 3.68)
RD	Total	Threshold 4 °C + Low Pop	9.49 (1.54 to 15.03)
RD	Extreme cold	Threshold 4 °C + Low Pop	0 (0 to 0)
RD	Moderate cold	Threshold 4 °C + Low Pop	−1.67 (−2.69 to −0.49)
RD	Moderate heat	Threshold 4 °C + Low Pop	11.16 (3.17 to 16.61)
RD	Extreme heat	Threshold 4 °C + Low Pop	2.75 (−0.84 to 4.58)
