| Disease |  | Attributable fraction (%) | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Total cases | PM2.5 | Rainfall | No. rain days | Max. temperature | UTCI | Greenness |
| Pneumonia, Severe | | | | | | | |
| Moshi | 41 830 | 24.8 (-31.8, 57.8) | 1.8 (-28.1, 27.5) | 4.7 (-20.8, 23.5) | 10.7 (-6.0, 29.2) | 6.8 (-8.9, 18.8) | 7.0 (-9.1, 20.9) |
| Siha | 19 547 | 0.2 (-69.5, 39.6) | -11.5 (-60.7, 24.9) | 5.1 (-26.3, 26.6) | 1.5 (-14.6, 15.4) | -0.2 (-14.6, 8.4) | 0.5 (-18.0, 15.6) |
| Tuberculosis | | | | | | | |
| Moshi | 5 669 | -3.4 (-112.8, 50.4) | -4.9 (-48.5, 19.7) | -0.9 (-44.7, 27.7) | -5.6 (-33.8, 11.1) | 2.0 (-38.6, 25.9) | -1.6 (-30.3, 16.0) |
| Siha | 2 098 | -19.3 (-155.8, 43.6) | -22.7 (-108.9, 29.6) | -4.3 (-64.0, 36.7) | 8.9 (-11.6, 28.6) | 31.0 (0.0, 51.7) | 17.5 (-24.4, 43.6) |
| Skin Infection - Fungal | | | | | | | |
| Moshi | 40 593 | -8.1 (-37.9, 15.8) | 1.1 (-12.6, 13.6) | 6.4 (-5.3, 17.2) | -3.1 (-16.4, 7.5) | -2.8 (-14.2, 7.0) | 2.1 (-4.5, 8.0) |
| Siha | 24 890 | 21.0 (0.3, 39.0)\* | -2.8 (-22.7, 13.3) | -0.5 (-16.0, 11.6) | 1.6 (-5.0, 7.5) | -0.3 (-18.3, 14.1) | 7.0 (-0.3, 13.7) |
| Malnutrition | | | | | | | |
| Moshi | 11 172 | 8.7 (-74.6, 52.3) | -8.0 (-61.1, 16.8) | -13.7 (-68.9, 13.6) | 0.3 (-25.7, 20.2) | -1.6 (-34.1, 18.1) | 8.4 (-20.1, 28.8) |
| Siha | 7 296 | 1.6 (-94.6, 48.3) | -42.8 (-150.9, 6.2) | 10.1 (-38.4, 50.9) | 7.6 (-16.1, 27.0) | 34.6 (15.0, 45.8)\* | 69.3 (-11.2, 93.0) |
| Peptic Ulcers | | | | | | | |
| Moshi | 65 879 | 9.2 (-17.1, 28.7) | 3.2 (-10.5, 14.9) | -3.9 (-16.5, 7.3) | 2.4 (-5.4, 10.5) | 2.0 (-9.2, 11.5) | 4.9 (-2.7, 11.9) |
| Siha | 36 814 | 6.7 (-18.1, 26.3) | -12.0 (-37.0, 4.6) | 8.6 (-3.5, 18.4) | 3.4 (-3.0, 9.5) | 0.6 (-5.5, 5.9) | 5.7 (-1.7, 12.5) |
| Epilepsy | | | | | | | |
| Moshi | 22 779 | 13.9 (-28.4, 42.0) | 3.8 (-15.8, 23.8) | 3.0 (-17.4, 21.0) | 2.7 (-10.9, 13.3) | 6.6 (-10.9, 19.4) | -0.8 (-13.7, 9.8) |
| Siha | 7 774 | 1.5 (-43.5, 32.8) | -17.3 (-59.9, 6.7) | -10.6 (-39.3, 10.1) | 5.1 (-6.5, 15.4) | 1.9 (-5.4, 10.3) | 0.6 (-12.6, 11.4) |
| Neuroses | | | | | | | |
| Moshi | 7 148 | -5.9 (-83.4, 35.2) | -6.9 (-55.2, 16.2) | -23.8 (-73.0, 4.8) | 5.9 (-23.9, 26.9) | -1.8 (-27.4, 14.1) | 16.2 (-3.6, 30.5) |
| Siha | 1 975 | -20.1 (-110.8, 33.2) | -6.0 (-58.6, 20.2) | -6.8 (-49.6, 22.2) | -1.6 (-19.6, 11.6) | -3.1 (-29.7, 14.2) | 8.1 (-15.1, 28.8) |
| Psychoses | | | | | | | |
| Moshi | 36 177 | 19.5 (-33.3, 53.6) | 2.6 (-22.6, 23.9) | -4.0 (-29.8, 17.2) | 4.1 (-18.5, 21.7) | 7.9 (-11.0, 22.5) | 3.5 (-12.7, 17.1) |
| Siha | 2 310 | 32.4 (-12.1, 62.5) | -7.2 (-50.8, 19.5) | -4.2 (-39.8, 18.9) | 10.3 (-2.8, 22.2) | -6.3 (-29.5, 8.8) | -0.2 (-18.3, 13.3) |
| Dysentery | | | | | | | |
| Moshi | 7 158 | -10.0 (-128.3, 43.8) | -3.0 (-45.9, 20.8) | 3.1 (-33.8, 27.1) | -7.0 (-33.5, 10.8) | -9.3 (-59.3, 17.6) | 1.7 (-36.8, 25.1) |
| Siha | 2 526 | 19.5 (-50.0, 63.1) | 15.8 (-26.2, 46.4) | 0.3 (-51.0, 29.3) | 10.8 (-11.9, 27.8) | -0.9 (-33.1, 20.7) | -1.9 (-27.8, 14.4) |
| Intestinal Worms | | | | | | | |
| Moshi | 54 299 | 4.1 (-21.1, 24.7) | 1.4 (-11.5, 14.3) | 0.7 (-12.8, 11.0) | 1.4 (-6.4, 8.5) | 1.1 (-12.0, 11.4) | 2.1 (-4.3, 8.2) |
| Siha | 72 710 | 6.5 (-16.2, 24.6) | -12.0 (-35.8, 5.5) | -3.5 (-18.8, 8.7) | 5.0 (-2.3, 10.9) | 4.7 (0.6, 8.6)\* | 2.4 (-3.0, 7.3) |
| Neoplasms/Cancer | | | | | | | |
| Moshi | 3 426 | 0.8 (-107.4, 51.2) | -9.9 (-62.1, 19.8) | 7.2 (-32.8, 35.7) | 4.3 (-34.5, 29.0) | 1.9 (-29.1, 25.7) | -6.3 (-33.5, 7.3) |
| Siha | 2 074 | 31.3 (-39.1, 68.1) | 2.5 (-150.5, 63.9) | 35.8 (-30.6, 65.9) | 31.1 (2.6, 46.1)\* | 6.6 (-22.0, 40.3) | 70.8 (38.4, 84.4)\* |
| Other Cardiovascular Diseases | | | | | | | |
| Moshi | 18 968 | 3.5 (-42.8, 33.6) | 3.7 (-17.6, 21.0) | 6.2 (-13.2, 21.5) | -0.3 (-13.2, 13.4) | -4.5 (-26.3, 11.0) | 6.4 (-7.2, 18.6) |
| Siha | 4 754 | 2.1 (-42.2, 29.8) | -7.9 (-42.6, 14.7) | 0.1 (-25.0, 20.1) | 3.9 (-8.0, 14.3) | 1.8 (-5.9, 11.9) | -1.2 (-14.7, 9.9) |
| Mild/Moderate Anemia | | | | | | | |
| Moshi | 25 408 | -3.4 (-51.3, 28.2) | 3.6 (-16.0, 20.0) | -0.7 (-20.8, 15.3) | 2.0 (-11.4, 14.7) | -4.7 (-20.9, 8.0) | -2.3 (-13.8, 7.0) |
| Siha | 14 959 | -17.2 (-78.4, 19.0) | -12.2 (-58.5, 11.3) | -16.1 (-54.6, 5.5) | 6.4 (-4.6, 16.6) | 1.2 (-11.5, 20.6) | 3.8 (-9.6, 15.5) |
| Caries | | | | | | | |
| Moshi | 15 793 | 8.4 (-67.6, 51.3) | 6.7 (-25.8, 27.8) | 8.8 (-25.2, 33.3) | -0.7 (-22.2, 15.6) | -7.3 (-44.2, 14.3) | -1.1 (-22.6, 14.1) |
| Siha | 9 705 | -33.5 (-169.3, 27.2) | -6.4 (-72.5, 21.6) | -5.7 (-54.4, 20.8) | 19.4 (0.3, 36.6)\* | 0.2 (-18.0, 18.9) | 8.1 (-14.0, 27.1) |
| Poisoning | | | | | | | |
| Moshi | 4 734 | -7.1 (-102.4, 34.3) | -2.4 (-32.2, 20.9) | -3.7 (-34.7, 21.2) | 7.2 (-12.7, 24.4) | 8.2 (-21.2, 27.2) | 2.4 (-24.9, 22.6) |
| Siha | 1 415 | 10.0 (-48.9, 47.4) | -26.9 (-121.0, 17.1) | -17.0 (-68.7, 15.4) | -1.0 (-19.7, 10.8) | 2.6 (-9.2, 11.7) | 34.8 (5.4, 53.1)\* |
| Snake and Insect Bites | | | | | | | |
| Moshi | 1 654 | -56.9 (-185.5, 5.2) | -36.5 (-136.4, 8.5) | -32.9 (-84.9, 4.2) | -6.7 (-44.7, 16.1) | 1.4 (-23.0, 18.3) | 5.7 (-10.7, 19.3) |
| Siha | 1 444 | 14.5 (-55.4, 52.2) | 20.2 (-17.2, 45.9) | 32.4 (7.0, 50.1)\* | 1.4 (-14.0, 14.0) | 2.5 (-21.0, 19.1) | 4.1 (-9.8, 15.0) |
| Substance Abuse | | | | | | | |
| Moshi | 3 843 | -7.8 (-247.3, 65.4) | -4.6 (-122.7, 32.0) | 5.2 (-66.8, 39.7) | -8.4 (-66.6, 21.7) | -12.8 (-104.4, 26.7) | 76.5 (30.3, 90.3)\* |
| Siha | 1 026 | 30.8 (-114.2, 73.7) | -14.0 (-114.4, 26.5) | -0.1 (-59.9, 29.5) | 26.0 (-17.5, 53.6) | -2.6 (-53.6, 18.0) | 45.7 (-1.9, 68.9) |
| Fractures | | | | | | | |
| Moshi | 28 317 | -4.0 (-60.6, 33.2) | -1.4 (-28.3, 16.6) | 2.9 (-19.9, 21.4) | -0.3 (-16.3, 13.7) | 2.8 (-15.1, 16.0) | 4.9 (-8.9, 16.7) |
| Siha | 10 255 | -7.5 (-66.6, 31.0) | 0.6 (-33.4, 23.6) | 8.5 (-19.4, 28.2) | 3.9 (-9.0, 15.7) | 4.4 (-3.4, 13.3) | -1.8 (-15.9, 9.7) |
| Road Traffic Accidents | | | | | | | |
| Moshi | 6 859 | -22.1 (-104.4, 19.6) | 0.8 (-24.5, 18.9) | -0.4 (-24.3, 19.2) | -0.6 (-25.9, 18.0) | -2.8 (-26.6, 12.8) | 6.8 (-13.2, 21.5) |
| Siha | 5 330 | 17.5 (-26.5, 48.8) | -14.0 (-55.6, 12.4) | -3.6 (-33.5, 18.0) | 2.7 (-8.9, 13.0) | 8.1 (0.6, 15.8)\* | 7.6 (-6.5, 19.9) |
| Typhoid | | | | | | | |
| Moshi | 3 855 | -23.3 (-291.0, 48.8) | -4.7 (-69.8, 32.2) | 9.9 (-48.2, 48.5) | 0.5 (-38.6, 25.9) | -3.1 (-51.3, 20.3) | 1.5 (-38.1, 27.3) |
| Siha | 1 768 | -29.5 (-412.0, 63.0) | -43.7 (-525.1, 25.0) | -17.0 (-190.1, 39.3) | -4.4 (-90.8, 26.6) | 98.3 (12.9, 100.0)\* | 96.4 (39.6, 99.9)\* |
| Leprosy | | | | | | | |
| Moshi | 323 | 41.4 (-216.8, 96.1) | 1.0 (-128.3, 38.3) | 2.9 (-207.9, 55.3) | -5.3 (-111.6, 27.7) | -7.2 (-115.7, 38.5) | -12.5 (-165.9, 19.7) |
| Siha | 260 | 99.8 (96.5, 100.0)\* | -14.3 (-2 473.4, 57.8) | 30.0 (-122.1, 73.4) | 52.0 (-101.1, 76.0) | -1.7 (-500.0, 76.9) | 5.6 (-151.2, 50.3) |
| Schistosomiasis | | | | | | | |
| Moshi | 599 | 0.4 (-181.1, 60.2) | -15.2 (-97.4, 23.5) | 20.5 (-30.3, 57.6) | 7.3 (-52.4, 41.1) | 7.4 (-57.2, 40.1) | -0.5 (-55.1, 27.0) |
| Siha | 262 | 28.4 (-96.5, 82.5) | -14.4 (-173.8, 24.6) | -28.6 (-309.2, 23.0) | 3.1 (-98.7, 42.8) | 4.6 (-48.2, 38.1) | 82.8 (6.4, 97.5)\* |
| \*: 95% credibility interval excluding 0 | | | | | | | |