| Disease | UTCI | | |
| --- | --- | --- | --- |
| CF. exposure | IRR at 5th perc. | IRR at 95th perc. |
| Chronic Respiratory Disease | | | |
| Moshi | 26.5 | 1.00 (0.86, 1.15) | 0.91 (0.71, 1.17) |
| Siha | 29.7 | 1.13 (0.93, 1.39) | 1.01 (0.89, 1.13) |
| Hypertension | | | |
| Moshi | 25.9 | 0.95 (0.83, 1.07) | 1.03 (0.84, 1.27) |
| Siha | 30.7 | 0.93 (0.76, 1.12) | 1.00 (0.89, 1.11) |
| Diabetes Mellitus | | | |
| Moshi | 26.5 | 0.96 (0.81, 1.10) | 0.97 (0.74, 1.30) |
| Siha | 30.0 | 1.04 (0.82, 1.31) | 0.98 (0.85, 1.11) |
| Upper Respiratory Infections | | | |
| Moshi | 25.9 | 0.93 (0.81, 1.06) | 0.95 (0.78, 1.15) |
| Siha | 29.4 | 1.09 (0.92, 1.29) | 0.98 (0.89, 1.08) |
| Diarrhea | | | |
| Moshi | 26.5 | 0.95 (0.80, 1.10) | 1.07 (0.83, 1.39) |
| Siha | 26.5 | 0.92 (0.74, 1.15) | 1.10 (0.98, 1.26) |
| Urinary Tract Infections | | | |
| Moshi | 26.5 | 0.92 (0.78, 1.05) | 1.05 (0.85, 1.33) |
| Siha | 29.7 | 1.20 (1.00, 1.45) | 0.98 (0.88, 1.09) |
| Malaria | | | |
| Moshi | 27.1 | 1.01 (0.86, 1.20) | 1.03 (0.74, 1.41) |
| Siha | 27.1 | 0.91 (0.66, 1.19) | 1.10 (0.92, 1.29) |
| Infectious Eye Disease | | | |
| Moshi | 27.1 | 1.02 (0.87, 1.21) | 0.97 (0.73, 1.30) |
| Siha | 30.7 | 0.86 (0.64, 1.14) | 1.00 (0.85, 1.19) |
| Pneumonia, Severe | | | |
| Moshi | 27.1 | 0.92 (0.69, 1.15) | 1.35 (0.88, 2.28) |
| Siha | 25.8 | 0.82 (0.51, 1.20) | **1.27 (1.02, 1.63)**\* |
| Tuberculosis | | | |
| Moshi | 26.5 | 0.97 (0.67, 1.30) | 1.03 (0.55, 1.91) |
| Siha | 24.2 | 0.89 (0.42, 1.59) | **2.19 (1.54, 3.44)**\* |
| Skin Infection - Fungal | | | |
| Moshi | 26.5 | 0.98 (0.86, 1.11) | 0.91 (0.74, 1.13) |
| Siha | 30.7 | 0.92 (0.76, 1.10) | 1.00 (0.90, 1.12) |
| Malnutrition | | | |
| Moshi | 27.1 | 1.02 (0.78, 1.38) | 0.97 (0.55, 1.68) |
| Siha | 23.2 | 0.95 (0.53, 1.64) | **3.30 (2.36, 4.74)**\* |
| Peptic Ulcers | | | |
| Moshi | 25.9 | 0.95 (0.83, 1.07) | 1.06 (0.86, 1.30) |
| Siha | 26.5 | 0.98 (0.82, 1.16) | 1.06 (0.96, 1.17) |
| Epilepsy | | | |
| Moshi | 26.5 | 0.94 (0.77, 1.12) | 1.22 (0.88, 1.72) |
| Siha | 25.8 | 0.91 (0.68, 1.19) | **1.23 (1.06, 1.47)**\* |
| Neuroses | | | |
| Moshi | 27.1 | 1.01 (0.80, 1.31) | 0.96 (0.60, 1.52) |
| Siha | 29.1 | 0.94 (0.64, 1.37) | 1.03 (0.83, 1.30) |
| Psychoses | | | |
| Moshi | 26.5 | 0.93 (0.71, 1.13) | 1.26 (0.86, 1.93) |
| Siha | 28.7 | 0.85 (0.59, 1.17) | 1.07 (0.89, 1.32) |
| Dysentery | | | |
| Moshi | 26.5 | 0.93 (0.61, 1.27) | 0.71 (0.35, 1.29) |
| Siha | 28.4 | 0.95 (0.55, 1.57) | 1.05 (0.80, 1.45) |
| Intestinal Worms | | | |
| Moshi | 25.9 | 0.97 (0.85, 1.09) | 1.04 (0.86, 1.29) |
| Siha | 25.2 | 0.85 (0.71, 1.02) | **1.32 (1.19, 1.47)**\* |
| Neoplasms/Cancer | | | |
| Moshi | 27.1 | 1.04 (0.73, 1.43) | 0.95 (0.51, 1.77) |
| Siha | 26.1 | 0.79 (0.36, 1.75) | **1.89 (1.26, 3.61)**\* |
| Other Cardiovascular Diseases | | | |
| Moshi | 26.5 | 0.97 (0.80, 1.16) | 0.89 (0.64, 1.23) |
| Siha | 26.1 | 0.96 (0.72, 1.26) | **1.18 (1.02, 1.43)**\* |
| Mild/Moderate Anemia | | | |
| Moshi | 27.1 | 1.00 (0.84, 1.19) | 0.86 (0.62, 1.18) |
| Siha | 26.8 | 0.90 (0.66, 1.63) | **1.29 (1.07, 1.98)**\* |
| Caries | | | |
| Moshi | 26.5 | 0.95 (0.67, 1.26) | 0.78 (0.42, 1.33) |
| Siha | 27.1 | 0.92 (0.56, 1.43) | 1.16 (0.91, 1.62) |
| Poisoning | | | |
| Moshi | 26.5 | 0.95 (0.73, 1.20) | 1.24 (0.80, 1.98) |
| Siha | 25.8 | 0.83 (0.49, 1.21) | **1.29 (1.02, 1.67)**\* |
| Snake and Insect Bites | | | |
| Moshi | 27.1 | 1.00 (0.77, 1.25) | 1.01 (0.64, 1.59) |
| Siha | 29.4 | 1.04 (0.72, 1.52) | 0.98 (0.77, 1.19) |
| Substance Abuse | | | |
| Moshi | 26.5 | 1.02 (0.64, 1.68) | 0.64 (0.20, 1.51) |
| Siha | 26.5 | 0.83 (0.27, 1.57) | 1.31 (0.89, 2.46) |
| Fractures | | | |
| Moshi | 26.5 | 0.99 (0.81, 1.20) | 1.08 (0.77, 1.55) |
| Siha | 25.8 | 0.88 (0.62, 1.21) | **1.40 (1.16, 1.71)**\* |
| Road Traffic Accidents | | | |
| Moshi | 27.1 | 1.05 (0.86, 1.31) | 0.97 (0.68, 1.41) |
| Siha | 25.2 | 0.84 (0.61, 1.17) | **1.55 (1.29, 1.93)**\* |
| Typhoid | | | |
| Moshi | 27.7 | 1.05 (0.71, 1.67) | 0.89 (0.37, 2.01) |
| Siha | 15.1 | **14.25 (1.00, 80.81)**\* | **271.76 (112.35, 758.13)**\* |
| Leprosy | | | |
| Moshi | 28.9 | 1.48 (0.84, 3.77) | 0.68 (0.14, 2.60) |
| Siha | 27.8 | 0.92 (0.07, 9.84) | 1.16 (0.37, 6.52) |
| Schistosomiasis | | | |
| Moshi | 26.5 | 0.97 (0.60, 1.42) | 1.16 (0.52, 2.89) |
| Siha | 28.7 | 1.09 (0.40, 2.67) | 1.04 (0.49, 1.68) |
| \*: 95% credibility interval excluding 1 | | | |