| Disease | IRR at 95th percentile | | |
| --- | --- | --- | --- |
| PM2.5 | Rainfall | No. rain days |
| Chronic Respiratory Disease | | | |
| Moshi | **1.31 (1.09, 1.62)**\* | 1.11 (0.90, 1.38) | 1.04 (0.90, 1.21) |
| Siha | 1.08 (0.89, 1.31) | 1.04 (0.86, 1.27) | **1.20 (1.05, 1.38)**\* |
| Hypertension | | | |
| Moshi | 1.03 (0.89, 1.19) | 1.05 (0.88, 1.26) | 1.05 (0.93, 1.18) |
| Siha | 0.96 (0.81, 1.11) | 1.00 (0.85, 1.19) | **1.15 (1.03, 1.31)**\* |
| Diabetes Mellitus | | | |
| Moshi | 0.92 (0.77, 1.11) | 0.94 (0.74, 1.19) | 0.99 (0.85, 1.16) |
| Siha | 1.10 (0.89, 1.34) | 1.20 (0.97, 1.51) | 1.09 (0.94, 1.26) |
| Upper Respiratory Infections | | | |
| Moshi | 1.04 (0.90, 1.23) | 1.07 (0.89, 1.28) | 1.03 (0.92, 1.16) |
| Siha | 1.05 (0.90, 1.26) | 1.16 (0.97, 1.41) | **1.33 (1.19, 1.50)**\* |
| Diarrhea | | | |
| Moshi | **0.72 (0.59, 0.85)**\* | **0.80 (0.63, 1.00)**\* | 1.09 (0.92, 1.26) |
| Siha | 1.13 (0.92, 1.43) | 0.98 (0.78, 1.23) | 1.10 (0.94, 1.28) |
| Urinary Tract Infections | | | |
| Moshi | 0.95 (0.82, 1.13) | 1.01 (0.82, 1.22) | 1.07 (0.95, 1.22) |
| Siha | 1.03 (0.88, 1.21) | **1.20 (1.00, 1.46)**\* | **1.46 (1.29, 1.65)**\* |
| Malaria | | | |
| Moshi | **1.46 (1.20, 1.89)**\* | 0.94 (0.72, 1.25) | 1.13 (0.95, 1.35) |
| Siha | 1.06 (0.84, 1.39) | 0.92 (0.70, 1.23) | 1.17 (0.98, 1.40) |
| Infectious Eye Disease | | | |
| Moshi | 1.00 (0.83, 1.26) | 1.04 (0.79, 1.34) | 0.85 (0.71, 1.02) |
| Siha | **1.32 (1.04, 1.75)**\* | 0.87 (0.69, 1.10) | 1.16 (0.99, 1.39) |
| \*: 95% credible interval excluding 1 | | | |