|  | District | Estimate (95% CI) | p value |
| --- | --- | --- | --- |
| Cancer | | | |
| Average trend level | Moshi | 16.324 (14.088, 18.561) | - |
| Average trend level | Siha | 16.353 (13.223, 19.483) | - |
| Average trend level | Siha - Moshi | 0.029 (-3.818, 3.876) | 0.9882 |
| Average yearly trend change | Moshi | 0.023 (-0.758, 0.804) | 0.9541 |
| Average yearly trend change | Siha | 15.243 (-3.727, 34.214) | 0.1153 |
| Average yearly trend change | Siha - Moshi | 15.22 (-3.766, 34.207) | 0.1161 |
| Trend difference (2012-01 to 2021-12) | Moshi | 2.69 (-3.47, 8.85) | 0.3921 |
| Trend difference (2012-01 to 2021-12) | Siha | 72.33 (18.247, 126.412) | 0.0088\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 69.64 (15.208, 124.072) | 0.0122\* |
| Cardiovascular Diseases | | | |
| Average trend level | Moshi | 904.499 (857.918, 951.081) | - |
| Average trend level | Siha | 497.32 (471.607, 523.033) | - |
| Average trend level | Siha - Moshi | -407.179 (-460.386, -353.972) | <1e-04\* |
| Average yearly trend change | Moshi | 24.259 (-0.564, 49.081) | 0.0554 |
| Average yearly trend change | Siha | 27.728 (2.081, 53.375) | 0.0341\* |
| Average yearly trend change | Siha - Moshi | 3.47 (-32.223, 39.162) | 0.8489 |
| Trend difference (2012-01 to 2021-12) | Moshi | 317.677 (126.475, 508.879) | 0.0011\* |
| Trend difference (2012-01 to 2021-12) | Siha | 304.062 (145.35, 462.775) | 0.0002\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | -13.615 (-262.106, 234.877) | 0.9145 |
| Diabetes Mellitus | | | |
| Average trend level | Moshi | 557.476 (527.227, 587.724) | - |
| Average trend level | Siha | 236.83 (223.063, 250.596) | - |
| Average trend level | Siha - Moshi | -320.646 (-353.88, -287.412) | <1e-04\* |
| Average yearly trend change | Moshi | 20.651 (8.472, 32.83) | 0.0009\* |
| Average yearly trend change | Siha | 4.604 (-6.103, 15.311) | 0.3993 |
| Average yearly trend change | Siha - Moshi | -16.047 (-32.263, 0.169) | 0.0524 |
| Trend difference (2012-01 to 2021-12) | Moshi | 180.795 (76.075, 285.515) | 0.0007\* |
| Trend difference (2012-01 to 2021-12) | Siha | 132.431 (50.546, 214.316) | 0.0015\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | -48.364 (-181.298, 84.57) | 0.4758 |
| Gastrointestinal Infections | | | |
| Average trend level | Moshi | 635.676 (613.38, 657.971) | - |
| Average trend level | Siha | 998.145 (962.952, 1033.338) | - |
| Average trend level | Siha - Moshi | 362.469 (320.809, 404.13) | <1e-04\* |
| Average yearly trend change | Moshi | -30.956 (-44.299, -17.614) | <1e-04\* |
| Average yearly trend change | Siha | -0.895 (-35.081, 33.291) | 0.9591 |
| Average yearly trend change | Siha - Moshi | 30.061 (-6.637, 66.759) | 0.1084 |
| Trend difference (2012-01 to 2021-12) | Moshi | 2.924 (-110.376, 116.224) | 0.9597 |
| Trend difference (2012-01 to 2021-12) | Siha | 85.315 (-144.336, 314.966) | 0.4665 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 82.391 (-173.688, 338.47) | 0.5283 |
| Infectious Eye Disease | | | |
| Average trend level | Moshi | 85.096 (77.818, 92.374) | - |
| Average trend level | Siha | 137.719 (125.411, 150.027) | - |
| Average trend level | Siha - Moshi | 52.623 (38.325, 66.922) | <1e-04\* |
| Average yearly trend change | Moshi | 4.164 (-0.595, 8.922) | 0.0864 |
| Average yearly trend change | Siha | 18.658 (2.846, 34.47) | 0.0207\* |
| Average yearly trend change | Siha - Moshi | 14.495 (-2.018, 31.007) | 0.0853 |
| Trend difference (2012-01 to 2021-12) | Moshi | 69.201 (35.336, 103.067) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | 196.76 (105.16, 288.361) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 127.559 (29.899, 225.22) | 0.0105\* |
| Malnutrition | | | |
| Average trend level | Moshi | 62.535 (54.014, 71.056) | - |
| Average trend level | Siha | 52.685 (44.786, 60.584) | - |
| Average trend level | Siha - Moshi | -9.85 (-21.47, 1.769) | 0.0966 |
| Average yearly trend change | Moshi | -11.511 (-14.913, -8.109) | <1e-04\* |
| Average yearly trend change | Siha | -5.982 (-9.533, -2.43) | 0.0010\* |
| Average yearly trend change | Siha - Moshi | 5.53 (0.612, 10.447) | 0.0275\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -113.16 (-148.858, -77.463) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | -40.994 (-79.639, -2.348) | 0.0376\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 72.167 (19.556, 124.777) | 0.0072\* |
| Neurological | | | |
| Average trend level | Moshi | 333.381 (313.672, 353.089) | - |
| Average trend level | Siha | 111.112 (104.512, 117.712) | - |
| Average trend level | Siha - Moshi | -222.269 (-243.053, -201.484) | <1e-04\* |
| Average yearly trend change | Moshi | -22.256 (-30.298, -14.215) | <1e-04\* |
| Average yearly trend change | Siha | -0.356 (-6.293, 5.581) | 0.9065 |
| Average yearly trend change | Siha - Moshi | 21.901 (11.905, 31.896) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -13.937 (-80.311, 52.438) | 0.6807 |
| Trend difference (2012-01 to 2021-12) | Siha | 12.236 (-31.613, 56.085) | 0.5844 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 26.172 (-53.378, 105.723) | 0.5190 |
| Other Communicable Diseases | | | |
| Average trend level | Moshi | 232.028 (221.647, 242.408) | - |
| Average trend level | Siha | 232.695 (222.357, 243.034) | - |
| Average trend level | Siha - Moshi | 0.668 (-13.983, 15.318) | 0.9288 |
| Average yearly trend change | Moshi | -25.583 (-31.925, -19.241) | <1e-04\* |
| Average yearly trend change | Siha | 4.604 (-5.083, 14.29) | 0.3516 |
| Average yearly trend change | Siha - Moshi | 30.187 (18.609, 41.765) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -262.762 (-345.51, -180.014) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | 45.742 (-22.992, 114.477) | 0.1921 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 308.505 (200.933, 416.076) | <1e-04\* |
| Other Non-Communicable | | | |
| Average trend level | Moshi | 518.133 (498.08, 538.185) | - |
| Average trend level | Siha | 481.076 (462.047, 500.104) | - |
| Average trend level | Siha - Moshi | -37.057 (-64.701, -9.413) | 0.0086\* |
| Average yearly trend change | Moshi | -25.626 (-41.035, -10.218) | 0.0011\* |
| Average yearly trend change | Siha | 4.474 (-17.96, 26.907) | 0.6959 |
| Average yearly trend change | Siha - Moshi | 30.1 (2.885, 57.315) | 0.0302\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -297.91 (-448.043, -147.776) | 0.0001\* |
| Trend difference (2012-01 to 2021-12) | Siha | 115.133 (-44.966, 275.233) | 0.1587 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 413.043 (193.562, 632.524) | 0.0002\* |
| Respiratory Diseases | | | |
| Average trend level | Moshi | 200.1 (188.818, 211.383) | - |
| Average trend level | Siha | 161.796 (152.669, 170.923) | - |
| Average trend level | Siha - Moshi | -38.304 (-52.816, -23.793) | <1e-04\* |
| Average yearly trend change | Moshi | -19 (-25.034, -12.966) | <1e-04\* |
| Average yearly trend change | Siha | -1.958 (-9.465, 5.55) | 0.6093 |
| Average yearly trend change | Siha - Moshi | 17.043 (7.411, 26.675) | 0.0005\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -184.174 (-252.537, -115.811) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | 5.572 (-51.104, 62.248) | 0.8472 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 189.746 (100.945, 278.547) | <1e-04\* |
| Respiratory Infections | | | |
| Average trend level | Moshi | 2982.496 (2866.261, 3098.731) | - |
| Average trend level | Siha | 3266.975 (3139.896, 3394.055) | - |
| Average trend level | Siha - Moshi | 284.48 (112.259, 456.7) | 0.0012\* |
| Average yearly trend change | Moshi | 229.337 (143.171, 315.502) | <1e-04\* |
| Average yearly trend change | Siha | 118.49 (12.625, 224.354) | 0.0283\* |
| Average yearly trend change | Siha - Moshi | -110.847 (-247.345, 25.652) | 0.1115 |
| Trend difference (2012-01 to 2021-12) | Moshi | 2262.893 (1692.078, 2833.708) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | 2284.372 (1589.236, 2979.507) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 21.479 (-877.99, 920.947) | 0.9627 |
| Trauma | | | |
| Average trend level | Moshi | 196.547 (184.311, 208.783) | - |
| Average trend level | Siha | 137.982 (129.23, 146.734) | - |
| Average trend level | Siha - Moshi | -58.565 (-73.608, -43.521) | <1e-04\* |
| Average yearly trend change | Moshi | -12.492 (-17.098, -7.885) | <1e-04\* |
| Average yearly trend change | Siha | -0.725 (-8.166, 6.715) | 0.8485 |
| Average yearly trend change | Siha - Moshi | 11.766 (3.016, 20.517) | 0.0084\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -115.654 (-159.671, -71.636) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | 5.975 (-49.682, 61.631) | 0.8334 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 121.628 (50.669, 192.587) | 0.0008\* |
| Urinary Infections | | | |
| Average trend level | Moshi | 1582.23 (1516.899, 1647.56) | - |
| Average trend level | Siha | 1202.234 (1151.708, 1252.761) | - |
| Average trend level | Siha - Moshi | -379.995 (-462.585, -297.406) | <1e-04\* |
| Average yearly trend change | Moshi | 55.083 (19.341, 90.825) | 0.0025\* |
| Average yearly trend change | Siha | 36.545 (-6.039, 79.13) | 0.0926 |
| Average yearly trend change | Siha - Moshi | -18.538 (-74.134, 37.058) | 0.5134 |
| Trend difference (2012-01 to 2021-12) | Moshi | 560.376 (290.371, 830.382) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | 544.196 (276.856, 811.535) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | -16.18 (-396.145, 363.784) | 0.9335 |
| Vector-borne Infections | | | |
| Average trend level | Moshi | 60.255 (56.311, 64.199) | - |
| Average trend level | Siha | 69.846 (63.566, 76.127) | - |
| Average trend level | Siha - Moshi | 9.591 (2.176, 17.007) | 0.0112\* |
| Average yearly trend change | Moshi | -9.609 (-11.727, -7.492) | <1e-04\* |
| Average yearly trend change | Siha | -26.793 (-32.097, -21.489) | <1e-04\* |
| Average yearly trend change | Siha - Moshi | -17.184 (-22.895, -11.473) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Moshi | -94.593 (-132.012, -57.174) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha | -262.127 (-361.93, -162.323) | <1e-04\* |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | -167.534 (-274.122, -60.946) | 0.0021\* |