|  | District | Estimate (95% CI) | p value |
| --- | --- | --- | --- |
| Cancer | | | |
| Average trend level | Moshi | 17.29 (14.827, 19.753) | - |
| Average trend level | Siha | 17.841 (14.286, 21.396) | - |
| Average trend level | Siha - Moshi | 0.551 (-3.774, 4.876) | 0.8028 |
| Average yearly trend change | Moshi | -0.701 (-1.661, 0.26) | 0.1528 |
| Average yearly trend change | Siha | 16.051 (-4.522, 36.623) | 0.1262 |
| Average yearly trend change | Siha - Moshi | 16.751 (-3.844, 37.346) | 0.1109 |
| Trend difference (2014-01 to 2022-12) | Moshi | -3.107 (-10.787, 4.574) | 0.4280 |
| Trend difference (2014-01 to 2022-12) | Siha | 65.598 (11.464, 119.731) | 0.0175\* |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 68.704 (14.028, 123.38) | 0.0138\* |
| Cardiovascular Diseases | | | |
| Average trend level | Moshi | 935.514 (897.817, 973.212) | - |
| Average trend level | Siha | 513.465 (492.611, 534.318) | - |
| Average trend level | Siha - Moshi | -422.05 (-465.131, -378.969) | <1e-04\* |
| Average yearly trend change | Moshi | -8.848 (-30.972, 13.277) | 0.4332 |
| Average yearly trend change | Siha | 4.714 (-17.069, 26.497) | 0.6715 |
| Average yearly trend change | Siha - Moshi | 13.561 (-17.487, 44.61) | 0.3920 |
| Trend difference (2014-01 to 2022-12) | Moshi | 106.598 (-56.553, 269.748) | 0.2003 |
| Trend difference (2014-01 to 2022-12) | Siha | 143.707 (8.387, 279.027) | 0.0374\* |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 37.109 (-174.857, 249.075) | 0.7315 |
| Diabetes Mellitus | | | |
| Average trend level | Moshi | 564.962 (538.164, 591.76) | - |
| Average trend level | Siha | 253.308 (240.529, 266.088) | - |
| Average trend level | Siha - Moshi | -311.654 (-341.343, -281.965) | <1e-04\* |
| Average yearly trend change | Moshi | 23.012 (10.835, 35.189) | 0.0002\* |
| Average yearly trend change | Siha | -12.437 (-22.902, -1.972) | 0.0198\* |
| Average yearly trend change | Siha - Moshi | -35.449 (-51.504, -19.393) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Moshi | 178.553 (85.925, 271.18) | 0.0002\* |
| Trend difference (2014-01 to 2022-12) | Siha | 48.947 (-31.519, 129.412) | 0.2332 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | -129.606 (-252.303, -6.909) | 0.0384\* |
| Gastrointestinal Infections | | | |
| Average trend level | Moshi | 649.474 (626.263, 672.684) | - |
| Average trend level | Siha | 996.6 (960.713, 1032.487) | - |
| Average trend level | Siha - Moshi | 347.127 (304.388, 389.865) | <1e-04\* |
| Average yearly trend change | Moshi | -65.644 (-81.575, -49.714) | <1e-04\* |
| Average yearly trend change | Siha | -37.322 (-75.942, 1.299) | 0.0582 |
| Average yearly trend change | Siha - Moshi | 28.322 (-13.455, 70.099) | 0.1839 |
| Trend difference (2014-01 to 2022-12) | Moshi | -623.97 (-824.878, -423.062) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | -224.531 (-484.341, 35.278) | 0.0903 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 399.439 (71.011, 727.867) | 0.0171\* |
| Infectious Eye Disease | | | |
| Average trend level | Moshi | 93.049 (87.122, 98.977) | - |
| Average trend level | Siha | 153.828 (143.838, 163.818) | - |
| Average trend level | Siha - Moshi | 60.779 (49.163, 72.395) | <1e-04\* |
| Average yearly trend change | Moshi | -5.247 (-10.274, -0.219) | 0.0408\* |
| Average yearly trend change | Siha | 3.96 (-10.329, 18.249) | 0.5870 |
| Average yearly trend change | Siha - Moshi | 9.207 (-5.941, 24.354) | 0.2335 |
| Trend difference (2014-01 to 2022-12) | Moshi | -58.414 (-102.882, -13.946) | 0.0100\* |
| Trend difference (2014-01 to 2022-12) | Siha | -14.371 (-109.021, 80.28) | 0.7660 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 44.043 (-60.533, 148.619) | 0.4091 |
| Malnutrition | | | |
| Average trend level | Moshi | 54.449 (46.751, 62.146) | - |
| Average trend level | Siha | 50.775 (42.35, 59.199) | - |
| Average trend level | Siha - Moshi | -3.674 (-15.085, 7.737) | 0.5280 |
| Average yearly trend change | Moshi | -12.272 (-16.739, -7.805) | <1e-04\* |
| Average yearly trend change | Siha | -10.966 (-16.631, -5.3) | 0.0001\* |
| Average yearly trend change | Siha - Moshi | 1.306 (-5.909, 8.521) | 0.7228 |
| Trend difference (2014-01 to 2022-12) | Moshi | -115.956 (-174.085, -57.826) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | -94.105 (-169.231, -18.979) | 0.0141\* |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 21.85 (-73.139, 116.84) | 0.6521 |
| Neurological | | | |
| Average trend level | Moshi | 339.678 (318.409, 360.947) | - |
| Average trend level | Siha | 109.993 (103.067, 116.919) | - |
| Average trend level | Siha - Moshi | -229.685 (-252.053, -207.317) | <1e-04\* |
| Average yearly trend change | Moshi | -39.966 (-48.832, -31.101) | <1e-04\* |
| Average yearly trend change | Siha | -1.996 (-8.736, 4.744) | 0.5616 |
| Average yearly trend change | Siha - Moshi | 37.97 (26.834, 49.107) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Moshi | -336.331 (-414.988, -257.674) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | -11.007 (-59.069, 37.054) | 0.6535 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 325.324 (233.146, 417.502) | <1e-04\* |
| Other Communicable Diseases | | | |
| Average trend level | Moshi | 216.723 (208.165, 225.282) | - |
| Average trend level | Siha | 231.571 (222.343, 240.798) | - |
| Average trend level | Siha - Moshi | 14.847 (2.262, 27.433) | 0.0208\* |
| Average yearly trend change | Moshi | -20.03 (-25.622, -14.438) | <1e-04\* |
| Average yearly trend change | Siha | 2.686 (-7.601, 12.972) | 0.6089 |
| Average yearly trend change | Siha - Moshi | 22.716 (11.008, 34.424) | 0.0001\* |
| Trend difference (2014-01 to 2022-12) | Moshi | -171.497 (-236.019, -106.974) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | 98.268 (40.653, 155.883) | 0.0008\* |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 269.765 (183.262, 356.267) | <1e-04\* |
| Other Non-Communicable | | | |
| Average trend level | Moshi | 491.666 (472.019, 511.313) | - |
| Average trend level | Siha | 475.539 (455.857, 495.221) | - |
| Average trend level | Siha - Moshi | -16.128 (-43.937, 11.682) | 0.2557 |
| Average yearly trend change | Moshi | -3.014 (-16.854, 10.825) | 0.6695 |
| Average yearly trend change | Siha | -3.118 (-27.191, 20.955) | 0.7996 |
| Average yearly trend change | Siha - Moshi | -0.104 (-27.872, 27.664) | 0.9942 |
| Trend difference (2014-01 to 2022-12) | Moshi | -20.078 (-121.311, 81.155) | 0.6975 |
| Trend difference (2014-01 to 2022-12) | Siha | 168.777 (22.862, 314.691) | 0.0234\* |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 188.855 (11.262, 366.447) | 0.0371\* |
| Respiratory Diseases | | | |
| Average trend level | Moshi | 185.862 (177.156, 194.568) | - |
| Average trend level | Siha | 161.787 (153.998, 169.577) | - |
| Average trend level | Siha - Moshi | -24.075 (-35.756, -12.393) | <1e-04\* |
| Average yearly trend change | Moshi | -13.706 (-18.696, -8.717) | <1e-04\* |
| Average yearly trend change | Siha | -8.564 (-15.811, -1.318) | 0.0205\* |
| Average yearly trend change | Siha - Moshi | 5.142 (-3.656, 13.94) | 0.2520 |
| Trend difference (2014-01 to 2022-12) | Moshi | -113.287 (-160.143, -66.431) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | -2.026 (-53.079, 49.027) | 0.9380 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 111.261 (41.966, 180.557) | 0.0016\* |
| Respiratory Infections | | | |
| Average trend level | Moshi | 3157.801 (3028.271, 3287.331) | - |
| Average trend level | Siha | 3525.053 (3382.074, 3668.033) | - |
| Average trend level | Siha - Moshi | 367.252 (174.324, 560.18) | 0.0002\* |
| Average yearly trend change | Moshi | 209.116 (132.248, 285.984) | <1e-04\* |
| Average yearly trend change | Siha | -57.862 (-182.043, 66.32) | 0.3611 |
| Average yearly trend change | Siha - Moshi | -266.977 (-413.025, -120.93) | 0.0003\* |
| Trend difference (2014-01 to 2022-12) | Moshi | 1701.117 (1193.154, 2209.079) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | -64.251 (-961.344, 832.841) | 0.8884 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | -1765.368 (-2796.29, -734.446) | 0.0008\* |
| Trauma | | | |
| Average trend level | Moshi | 185.58 (173.337, 197.824) | - |
| Average trend level | Siha | 136.574 (127.287, 145.862) | - |
| Average trend level | Siha - Moshi | -49.006 (-64.373, -33.639) | <1e-04\* |
| Average yearly trend change | Moshi | -9.3 (-14.41, -4.19) | 0.0004\* |
| Average yearly trend change | Siha | -2.724 (-11.305, 5.858) | 0.5339 |
| Average yearly trend change | Siha - Moshi | 6.576 (-3.412, 16.564) | 0.1969 |
| Trend difference (2014-01 to 2022-12) | Moshi | -75.521 (-118.06, -32.981) | 0.0005\* |
| Trend difference (2014-01 to 2022-12) | Siha | -25.356 (-87.874, 37.162) | 0.4267 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | 50.165 (-25.454, 125.783) | 0.1935 |
| Urinary Infections | | | |
| Average trend level | Moshi | 1631.443 (1561.205, 1701.682) | - |
| Average trend level | Siha | 1273.237 (1217.906, 1328.569) | - |
| Average trend level | Siha - Moshi | -358.206 (-447.621, -268.791) | <1e-04\* |
| Average yearly trend change | Moshi | 51.227 (6.674, 95.781) | 0.0242\* |
| Average yearly trend change | Siha | -14.634 (-63.011, 33.744) | 0.5533 |
| Average yearly trend change | Siha - Moshi | -65.861 (-131.628, -0.093) | 0.0497\* |
| Trend difference (2014-01 to 2022-12) | Moshi | 513.495 (221.054, 805.936) | 0.0006\* |
| Trend difference (2014-01 to 2022-12) | Siha | 166.326 (-137.393, 470.045) | 0.2831 |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | -347.169 (-768.794, 74.455) | 0.1066 |
| Vector-borne Infections | | | |
| Average trend level | Moshi | 54.666 (51.05, 58.282) | - |
| Average trend level | Siha | 48.112 (43.786, 52.438) | - |
| Average trend level | Siha - Moshi | -6.554 (-12.192, -0.916) | 0.0227\* |
| Average yearly trend change | Moshi | -11.161 (-13.306, -9.016) | <1e-04\* |
| Average yearly trend change | Siha | -17.25 (-21.152, -13.348) | <1e-04\* |
| Average yearly trend change | Siha - Moshi | -6.089 (-10.542, -1.636) | 0.0074\* |
| Trend difference (2014-01 to 2022-12) | Moshi | -47.22 (-68.101, -26.339) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha | -225.247 (-310.877, -139.617) | <1e-04\* |
| Trend difference (2014-01 to 2022-12) | Siha - Moshi | -178.027 (-266.166, -89.887) | <1e-04\* |