Table 1. Spatial clusters of cases with high or low BMI in Nepal, 2022

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Clusters** | **Radius (km)** | **Number of Locations** | **Overlap With Clusters** | **Population** | **Observed Cases** | **Expected Cases** | **Relative Risk** | **Percent cases in the area** | **Log-Likelihood Ratio** | **P-Value** |
| C1 | 148.48 | 127 | 4, 5 | 3309 | 1794 | 1286.07 | 1.60 | 54.2 | 213.28 | <0.001 |
| C2 | 139.30 | 63 | 3, 9 | 1751 | 325 | 680.54 | 0.44 | 18.6 | 191.19 | <0.001 |
| C3 | 80.22 | 48 | 2 | 1329 | 219 | 516.53 | 0.40 | 16.5 | 173.62 | <0.001 |
| C4 | 52.08 | 51 | 1 | 1344 | 778 | 522.36 | 1.57 | 57.9 | 110.36 | <0.001 |
| C5 | 58.85 | 51 | 1 | 1332 | 757 | 517.69 | 1.54 | 56.8 | 97.52 | <0.001 |
| C6 | 37.38 | 21 | - | 684 | 157 | 265.84 | 0.58 | 23.0 | 41.17 | <0.001 |
| C7 | 23.76 | 11 | - | 336 | 200 | 130.59 | 1.55 | 59.5 | 29.94 | <0.001 |
| C8 | 60 | 34 | - | 993 | 283 | 385.94 | 0.72 | 28.5 | 25.19 | <0.001 |
| C9 | 59.08 | 30 | 2 | 801 | 219 | 311.32 | 0.69 | 27.3 | 24.89 | <0.001 |
| C10 | 19.21 | 7 | - | 227 | 137 | 88.23 | 1.57 | 60.4 | 21.69 | <0.001 |
| C11 | 17.22 | 5 | - | 132 | 20 | 51.30 | 0.39 | 15.2 | 18.02 | <0.001 |
| C12 | 15.56 | 6 | - | 187 | 0.55 | 72.68 | 0.55 | 21.4 | 13.24 | 0.002 |