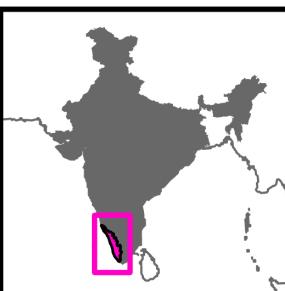


King Cobra Antivenom Treatment Accessibility for Farmers in Kerala, India



The risk for farmers being bitten by snakes is considerably higher in agricultural fields, as farmers often work barefoot, and King Cobras are attracted to the rodents that feed on crops. Furthermore, agricultural fields tend to be in more rural settings with less road infrastructure to be able to reach hospitals in time to receive antivenom treatment. By identifying agricultural areas with King Cobra presence, and then calculating a road-based accessibility weighted-distance-cost to the nearest hospital for these areas, the spatial analysis determined three levels of accessibility for farmers seeking antivenom treatments in Kerala, India, ranging from low-risk agricultural areas with high-accessibility to nearby hospitals, to high-risk agricultural areas with low-accessibility to nearby hospitals.

MN
GN
1°27' 26 MILS
0°13' 4 MILS
UTM GRID AND 2025 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

