

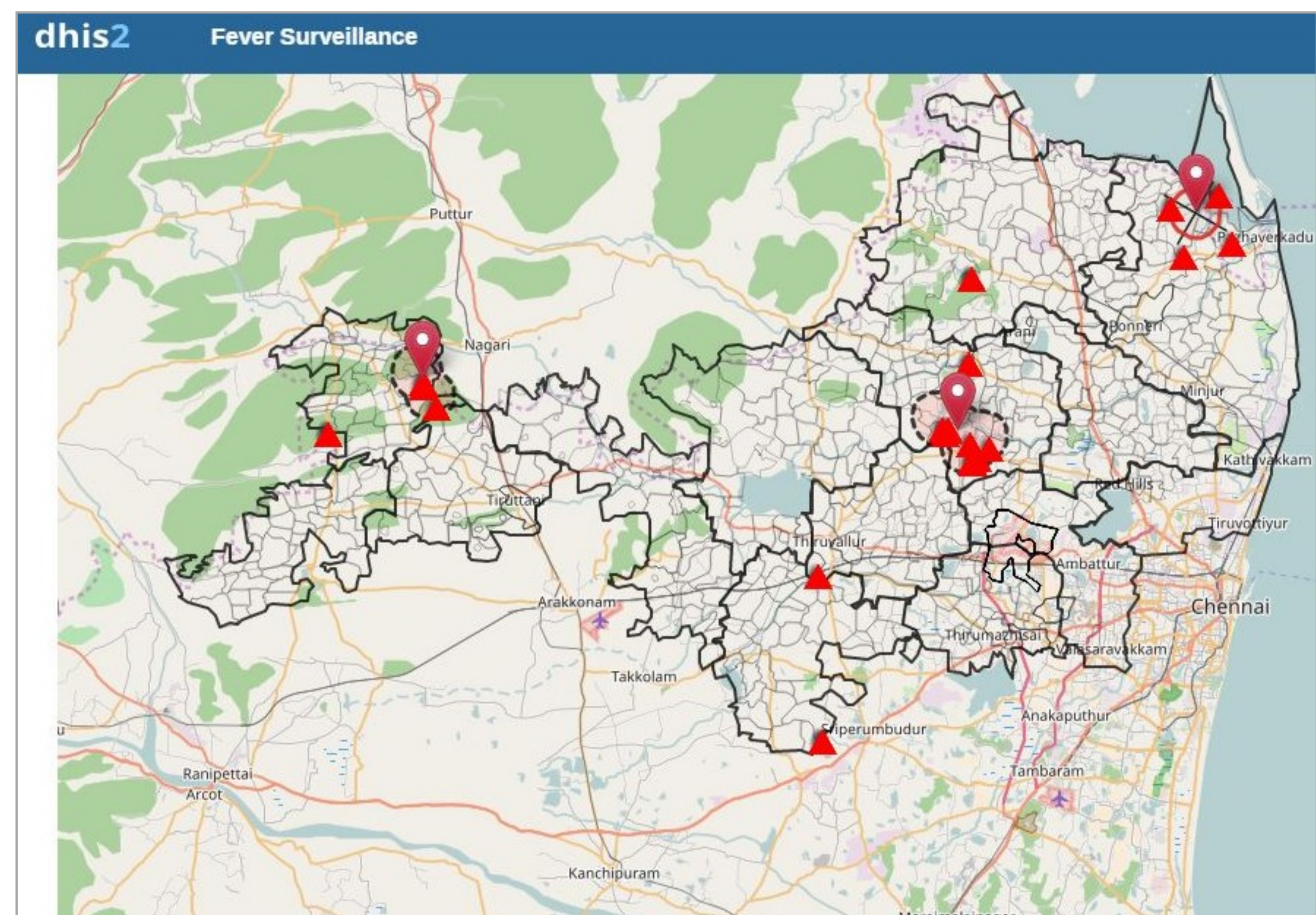


Electronic Daily Fever Surveillance System

eDFSS

Distance-based Clustering app

- ✓ Distance-based Clustering app plots fever cases on the map by grouping them according to distance and number of cases.
- ✓ For example: 5 fever cases within a distance of 2.5 km from each other over a moving period, which can be 5 days/7 days or more.
- ✓ Created clusters can be approved as a confirmed disease hotspot by the district surveillance unit.
- ✓ For the approved hotspots, alerts are sent to the respective rapid response teams (RRT).
- ✓ The identified cluster/hotspot is then enrolled and tracked.
- ✓ Preventive measures taken by the RRT are tracked. This includes data for water chlorination, vector borne control measures, etc.



About eDFSS

- ✓ Designed to capture admitted cases of fever at the facility.
- ✓ Data for identified syndrome and lab results of the indoor patients are entered into the application.
- ✓ Lab results of the outdoor patients are captured.
- ✓ DHIS2 Android app is the primary data collection tool.
- ✓ DHIS2 Android app allows to capture the address hierarchy of the patients via dropdowns.
- ✓ Coordinates of a patient's habitation are assigned to each event to create fever clusters at the household location.

