

# WHO's electronic early warning, alert, and response system in emergencies

**Emergencies increase risk of spread  
of communicable diseases.**

**Detecting communicable disease outbreaks  
early ensures reduction of preventable  
morbidity and mortality.**

**Ensuring effective disease early warning  
system in emergencies is a core commitment  
of WHO emergency response.**



→ **EWARS-IN-A-BOX  
IS ALWAYS READY  
TO BE DEPLOYED  
WITHIN 48HRS  
OF AN EMERGENCY  
BEING DECLARED**

→ **EACH KIT  
SUPPORTS  
50 PRIMARY CARE  
FACILITIES =  
500 000 POPULATION**



# How does EWARS-in-a-box help emergency early warning?



## → COLLECT DATA USING ELECTRONIC REPORTING FORMS FROM VARIOUS SOURCES

### Primary Health care

Camp clinics, Mobile clinics, PHCs,  
Field Laboratories

### From the community

CHWs, CHVs, Hotlines,  
Community

### Under various infrastructure conditions

Reliable internet connection

SMS reporting for unreliable internet connection

Offline reporting when no internet connection

## → INTERACTIVE ELECTRONIC ALERT MANAGEMENT BETWEEN THE FIELD AND SURVEILLANCE OFFICE

### Indicator-based

Use standard case definitions,  
Use standard alert thresholds,  
System-generated alerts for increasing trends,  
Seasonal increments

### Event-based

Ability to manage qualitative data, rumors

### Outbreak response

Line-listing of cases when an outbreak is declared

## → DATA ANALYSIS AND DISSEMINATION FOR RESPONSE

Interactive response with the field, surveillance office, and response teams

### Data analysis

Plot and notebook functions for easy data analysis

GIS mapping capabilities

### Data dissemination

Automated EWARS bulletins

Easily configurable in-built dashboards

Easily configurable in-built EWARS website