

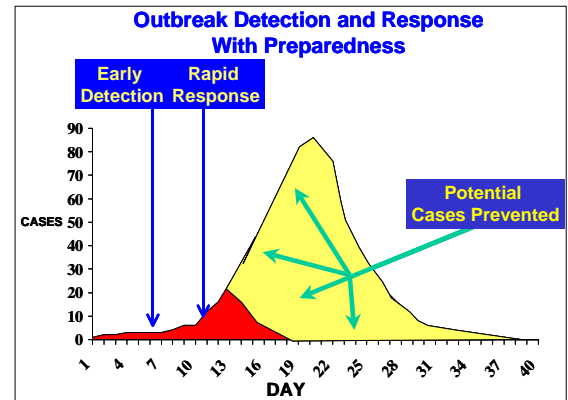
# Disease Early Warning System 2008-2013

## Goal:

To reduce morbidity and mortality by early detection and response to outbreaks, including response to outbreaks of AI in poultry

## Process:

1. Record infectious disease cases daily and respond to alerts.
2. Chart and assess data weekly and respond to alerts.
3. Investigate suspected outbreaks and take action to control them.



## Human Resources

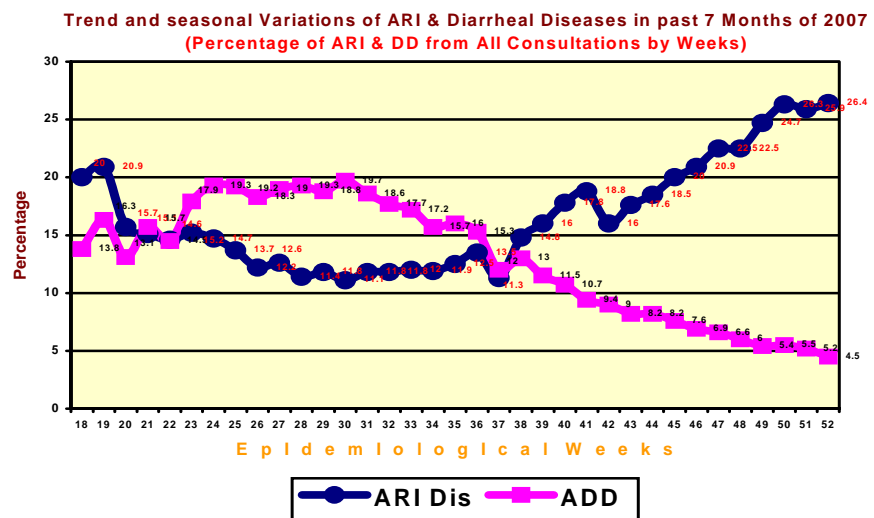
National, provincial and sentinel site team members work on a motto of “Be active and be honest” prioritizing rapid response and accurate reporting.

Consistently 95% to 100% of sentinel sites report each week.

Staff	#
National team – 2 coordinators, data manager, logistics, 2 radio, 2 lab reception, 1 program ass't, 2 warehouse kprs, 1 messenger	12
Surveillance Officers	8
DEWS Assistants	34
Focal points	159

## Weekly trends of diseases

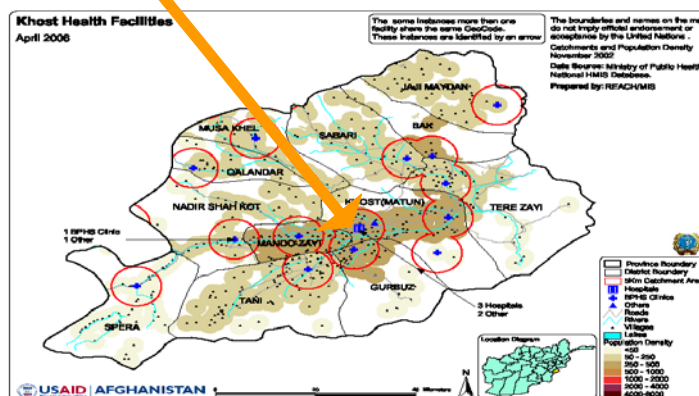
Each regional group of 4-5 provinces reports weekly trend of 12 major communicable diseases, alerting for any clusters of cases in place and time.



## Investigation of suspected outbreaks

Suspected outbreaks may be reported from DEWS sentinel sites or from any partner on the Provincial Health Coordination Committee. DEWS team coordinates logistics, supplies, technical and laboratory support for each investigation.

Eid - gah Village Maton District of Khost



### Outbreaks investigated in 2007

60- Pertussis (Whooping Cough),  
 27- Avian Influenza, 9- Pneumonia,  
 23- Measles, 24- Diarrhea,  
 1- Meningitis, 3- Malaria  
 12- Acute viral hepatitis,  
 3- Hemorrhagic Fever,  
 6- Others - brucellosis, anthrax, etc  
 On average, over 3 outbreaks/week.



## Other achievements

### Coordination / Harmonization

- Monthly coordination meetings/ trainings conducted at national level (2-3 days workshops)
- Participation in monthly PPHC in each province
- DEWS Manual developed (Dari, Pashto and English)
- Avian Influenza Toolkit developed (Dari, Pashto and English)
- Measles case-based surveillance and response guideline (3 lang.)

Lab collaboration – NAMRU3 (virology); WHO (lab management and capacity building)

- First time an influenza B virus isolated, contributing to global vaccine production
- First time Bordetella Pertussis isolated
- First time CCHF diagnosed in the country
- First time Rotavirus diagnosed

Training, equipment and supplies for basic bacteriology; training, equipment and supplies for virology; workshops on lab aspects of surveillance of meningitis, rotavirus, and measles