



Disaster Response Amidst COVID-19

Lessons from recent typhoons in three ADRC member countries

15th Integrated Workshop of the Typhoon Committee

1-2 December 2020

Gerald Potutan, Senior Researcher
Asian Disaster Reduction Center



The Philippines

Report from: Office of Civil Defense (OCD), Regional Office V

DRR Measures

- Pre-Disaster Risk Assessment (Pre-emptive Evacuation)
- Observance of Health Protocols (PDITR Strategy: *Prevent, Detect, Isolate, Treat, and Reintegrate*)



Good Practices

Segregation:

Suspected COVID-19 cases were segregated from the evacuation area



Facility: Separate facilities were designated to take care of suspected COVID-19 cases;



Clustering: Occupants of the evacuation room must be either members of one family or people who know each other from the same neighborhood



Management: No media is allowed at the emergency operations center.

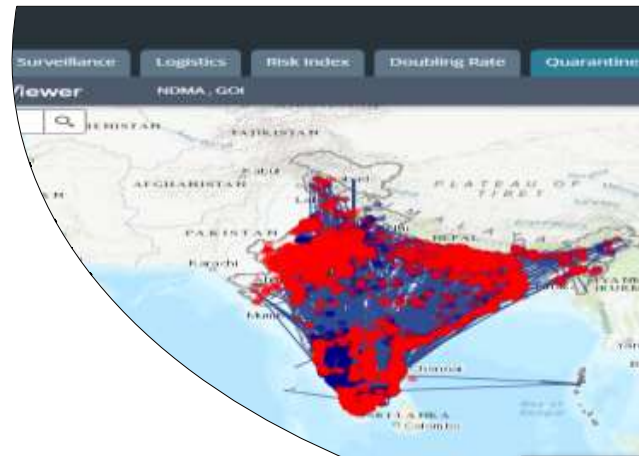
Note: *There was no spike in COVID-19 cases reported as a result of evacuations from Typhoon Vongfong.*

India

Report from: National Disaster Management Authority (NDMA)

DRR Measures

- Development of GIS-based Decision Support System (DSS) Platform
- Psychosocial Support
- Mobility Monitoring

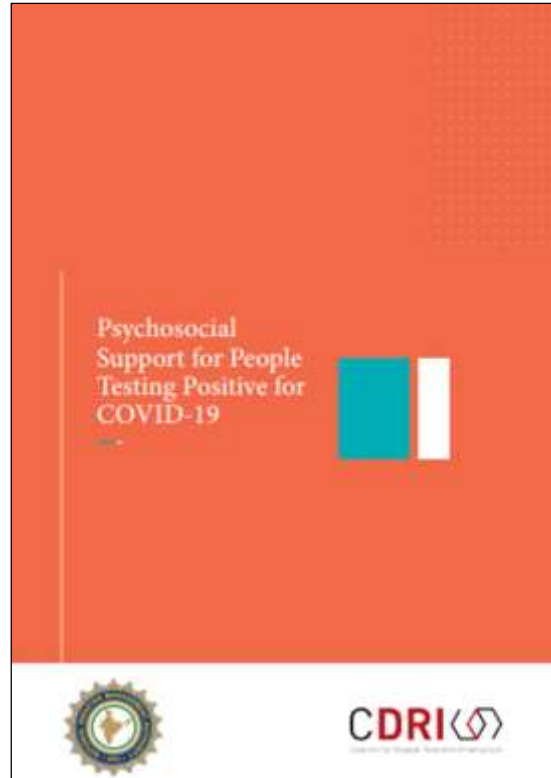


Features of DSS Platform

- **Geo-enabled Dashboard** for the public, SDMAs and other stakeholders to avail information related to Covid-19 cases, logistics, resources & surveillance
- **Web-GIS approach** to develop and monitor the Covid-19 pandemic
- **Contact tracing, geo-tagging** and monitoring of location of cases
- **Visualization of quarantined person** tracking of locations from source to destination
- **Real time monitoring** and tracking of migrants across the country

Psychosocial Helpline for Covid-19 People

- NDMA volunteers (Psychiatrists, Clinical Psychologists, Counselors, Psychiatric Social Workers) checking psychosocial state of patients and providing some relief
- Caller's and clients' details are kept confidential through a mobile application
- Counseled over 30,000 people with COVID-19 over the last 5 months



Human Mobility Monitoring



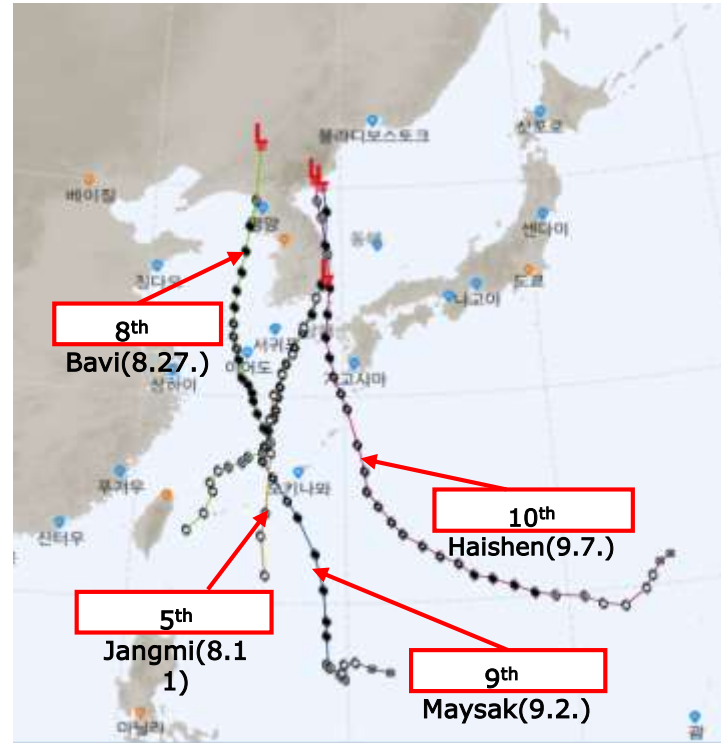
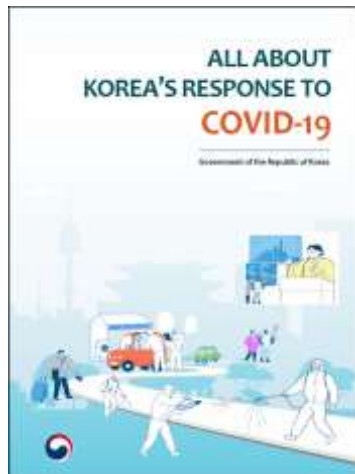
- NDMA conducted a mobility analysis by tracking physical distancing in public areas for major cities
- Facility is giving reports of increasing or decreasing number of people density in public places in 30 cities of the country on periodic intervals
- NDMA shared the analysis report with states for appropriate action

Republic of Korea

Report from: the Ministry of Interior and Safety (MOIS)

DRR Measures

- New Guideline for the Temporary Shelter to Prevent the Spread of COVID-19



Summer 2020 Disasters

Heavy Rainfall and Typhoons

- Casualty : 53(Deaths 50, Missing 3)
- Displaced : 16,614(9,129 households)
- Damages : Appr. 1 billion USD

Heatwave

- Casualty : 1,088(patients with heat stroke 1,079, Death 9)
- Damage(deaths) : livestock 103,000, fishes in aquaculture 316,000

Implementation of the New Guidelines



Evacuating from flooding



Volunteers



(Jeonnam mag, Aug 21)



(Todayan, Aug 20)



(July 30)

news 1

2m distancing between tents

Sanitizing hands to get an access

Psychotherapy



(Healthcare News, Aug 20)

Temperature Checks



(Jeonbukjeil News, Aug 20)

Summary Key Actions

- Pre-Disaster Risk Assessment
(e.g., Pre-Emptive Evacuation)
- Use of Information Communication Technology (ICT) to support decision-making
(e.g., GIS-Based DSS Platform)
- Implementation of New/Amended Countermeasures Guidelines
(e.g., Integrating Health Protocols in Sheltering and Evacuation Guidelines)

Thank You!