

# Achievements in 2020

## Key priorities for 2021

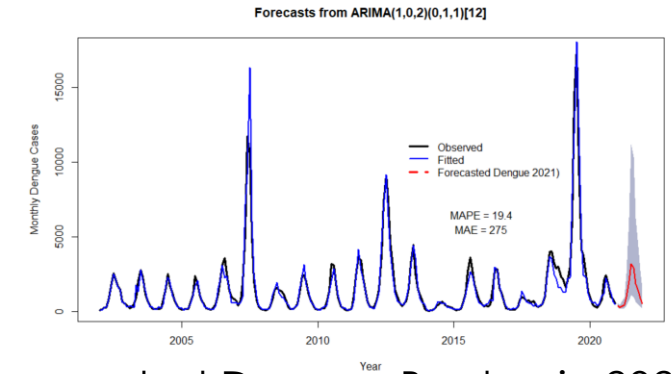
### Climate Change, Environment and Health

Objective 2 Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems

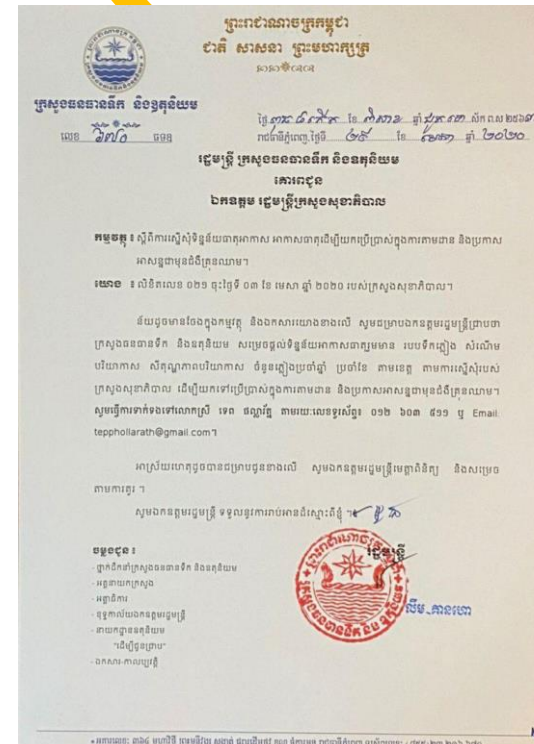
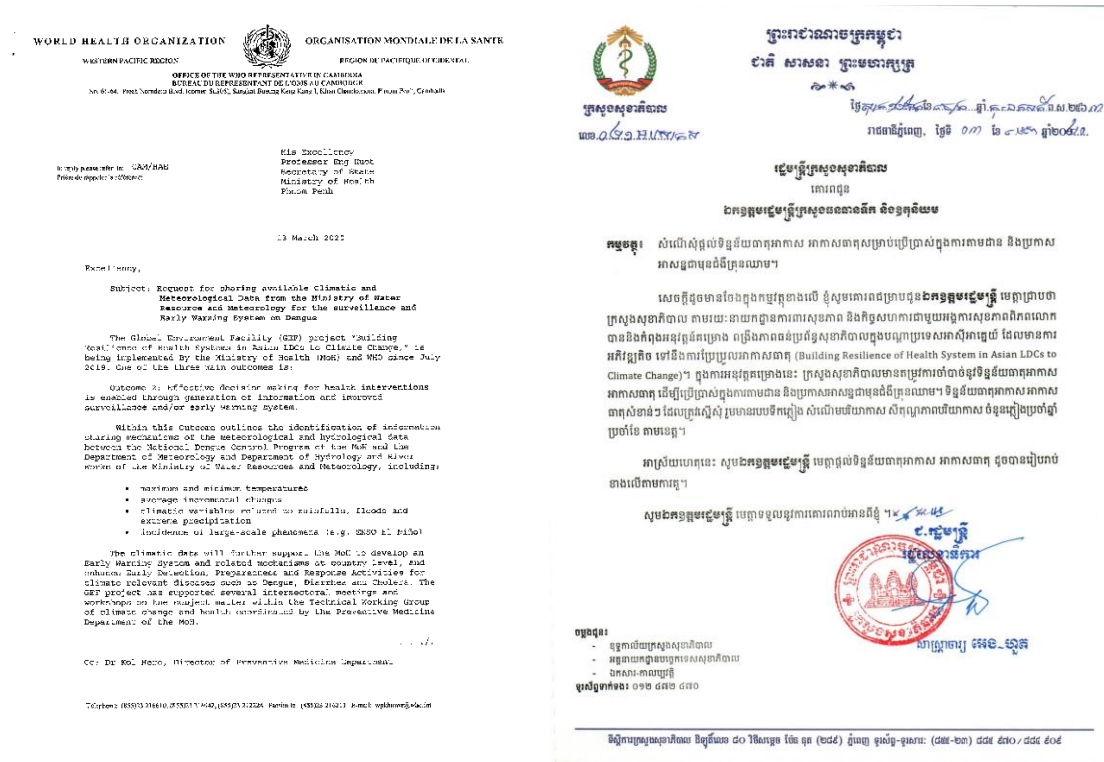
**Dr CHAN Vibol**, Dengue & NTDs Focal Point  
NHL&MTD

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

- MOU on data sharing between MoWRAM and MoH



## Forecasted Dengue Burden in 2021



Point estimate: 15179

*Lower limit: 5856*

Upper limit: 47829

Mean Absolute Percentage Error (MAPE):  
19.4%)

Mean Absolute Error (MAE): 275

*Dengue burden may increase by 27% in 2021 compared to that in 2020*

*Spectral Analysis: Outbreak cycle is 5 years*

## 1. Key achievements and lessons learned in 2020

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

### Key achievements (CDC/MoH)

- Training workshop on Mapping Surveillance Stakeholders and Presenting case definitions and surveillance indicators for Diarrheal
- 45 of RRT/Health care providers from Phnom Penh were training on diarrhea report





## 1. Key achievements and lessons learned in 2020

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### Key achievements (CDC/MoH)

- Two training for health-care providers on reporting surveillance indicators for Diarrheal and COVID-19 prevention and control measures
- 90 Health professional staffs from health centers and districts referral hospitals from (13 provinces) were trained on diarrhea reporting

**H.E.Dr Ly Sovann**, Director of Communicable Disease Control (CDC /MoH) joined the opening for all the training





## 1. Key achievements and lessons learned in 2020

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

### Key achievements (NDCP/CNM/MoH)

- Developed rapid diagnostic test usage guidelines

(Strengthening dengue diagnostic: 2,300 tests were provided during the outbreak in 2019, but there were no clear instruction)

*Dr Huy Rekol, Director of National Center for Parasitology, Entomology and Malaria Control (CNM) and Dr. Leang Rithea, Dengue Program manager (NDCP/CNM) joined the opening for the workshop.*



KINGDOM OF CAMBODIA



Ministry of Health

Rapid Diagnostic Test Usage Guidelines (RDTUG)

2020



National Centre for Parasitology,  
Entomology and Malaria Control



## 1. Key achievements and lessons learned in 2020

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

### Key achievements (NDCP/CNM/MoH)

- Training on reporting at new sentinel sites and Develop SOP for a rapid response plan integrated with the dengue surveillance system and the early warning system
- There were 70 participants from 21 different provinces (Dengue Supervisors, Data Entry, Nurses, and Laboratories from each province).

**Dr. Leang Rithea**, Dengue Program manager (NDCP/CNM) joined and facilitated for the training

KINGDOM OF CAMBODIA  
Ministry of Health



SOP for Dengue Surveillance in Cambodia



National Centre for Parasitology, Entomology and Malaria Control

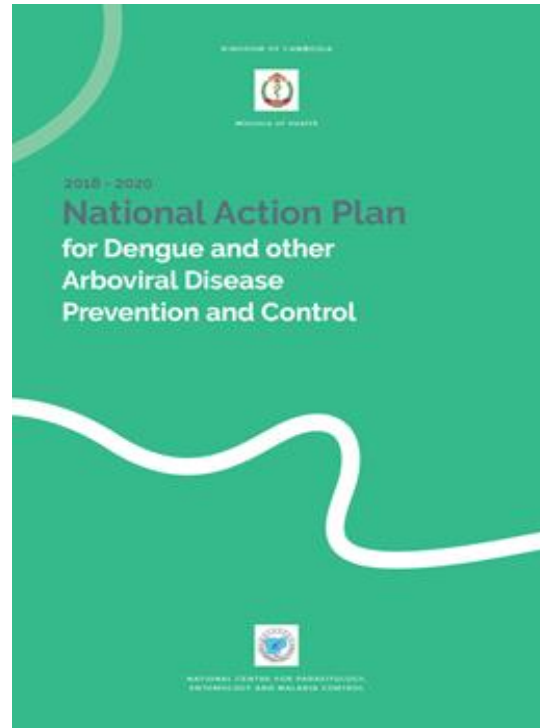


## 1. Key achievements and lessons learned in 2020

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

### Key achievements (NDCP/CNM/MoH)

- Training on reporting at new sentinel sites and SOP for a rapid response plan integrated with the dengue surveillance system and the early warning system
- The SOP for the dengue surveillance was developed, the dengue sentinel surveillance sites were expanded to another five new sentinel sites in addition to the existing five sentinel sites, which will improve the accuracy and generalizability of the surveillance system and provide a good foundation of the climate informed early warning system implementation.



### 2.3 Develop a strong disease surveillance and outbreak response plan (*Sentinel Surveillance Sites*)

The disease surveillance system will be enhanced with development of an operational guide and establishment of an online hospital based notification system in 10 selected Provinces to regularly send out of disease outbreak alerts. To expedite and streamline the activities staff will be recruited on locum basis.

### List of Dengue Sentinel Sites in Cambodia

#### Old dengue sentinels:

1. Siem Reap
2. Takeo
3. Kampong Cham
4. Battambang
5. Kampot

#### New Dengue Sentinels Sites selected in 2020:

6. Kampong Thom
7. Kampong Chhnang
8. Kratie
9. Tbong Khmom
10. Preveang

#### Propose New Dengue Sentinels Sites in 2021:

11. Pailin
12. Banteay Meanchey
13. Ratanakiri
14. Phrea Vihea
15. Svay Rieng

## *1. Key achievements and lessons learned in 2020*

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

### Lessons learnt and Recommendations

#### Successful approach

- National Program Focal Point competent and committed
- Excellent coordination, collaboration and interaction with Dengue National Program
- Excellent technical support from RO, MTD and strategic collaboration with WHE/HIM Programs
- The rapid diagnostic test usage guidelines were developed on time
- Develop capacity of medical professionals and supportive staff at national level
- Develop a strong disease surveillance and outbreak response system



## 2. Key Priorities for 2021

*Objective 2: Effective decision-making for health interventions is enabled through generation of information and improved surveillance and/or early warning systems*

- Continue strengthening and monitoring on improvement of diarrheal disease surveillance
- Build data analysis capacity for provincial dengue supervisors
- Continue monitoring on standard operating procedures of dengue sentinel surveillance
- Continue strengthening and following up on expansion plan and select new sentinel sites.