

Event

Training on CamLIS data analysis at KEP Hotel, November 19-20, 2018

- **Date:** November 19- 20, 2018
- **Venue:** **KEP Hotel Meeting room, KEP province**
- **Participants:** Reference, National & CPA3 Lab; MoH, DMDP, ITECH and WHO
- **Posted:**
- **Theme:** Biology Laboratories Sciences and Activities
- **Type:** Training
- **Language:** English and Khmer

Establishing laboratory support for public health surveillance is required for epidemiology. The flow information of web base surveillance help monitoring and managing the investigation for preparing, prevention and available treatment on time. World Health Organization works with countries around the world by developing and supporting detection, diagnostic, hotline and system for covering outbreaks.

Output: From microbiology laboratories insufficient data to reach full data, to support better controlling diseases, alert and aligned between networks for surveillance and preparedness of before, during and between outbreaks. Furthermore, the stakeholders would suggest to know how to transfer microbiology data and develop essentials indicators (some disease related to agents, eg SARI).

Agenda

| Day 1 | Session's | Speaker(s)/ Moderator(s) |
|----------------------|---|--|
| 8:00 - 8:30 | Registration | BMLS, Ms. UCH Monipheap |
| 8:30 - 9:00 | Opening remark | Director of PHD Kep, Dr. Men Sothy Dr. Natacha, WHO Representative Dr. SAU Sokunna, Deputy Director DHS |
| 9:00 - 9:30 | Introduction: The competencies for laboratories information system for applies epidemiologists in Public Health | Dr. SAU Sokunna, Deputy Director DHS, MoH |
| 9:30 – 10:00 | Coffee break | |
| 10:00 – 10:30 | Role of Laboratory in Disease Surveillance | WHO |
| 10:30 – 12:00 | Data analysis using excel (data provided) | All |
| 12:00 - 13:30 | Lunch | |
| 13:30 - 15:00 | Data analysis using CamLIS: Summary Reports Practice + Q & A | All |

| | | |
|-----------------------|--|--|
| 15: 00 – 15:30 | Coffee Break | |
| 15:30 – 17:00 | Data analysis using CamLIS: Graphic and Map Practice + Q & A | All |
| Time Day 2 | Session | Speaker(s)/ Moderator(s) |
| 8:00 – 8:15 | Summary from Day 1 | BMLS |
| 8:15 – 9:30 | Data analysis using CamLIS: Query Extractor + Q & A | All |
| 9:30 – 10:00 | Coffee break | |
| 10:00 – 12:00 | Group exercises by Laboratories | All |
| 12:00 – 13:30 | Lunch | |
| 13:30 – 16:30 | Group discussion from Laboratories to find and resolve issues: NPH Takeo Battambang Kampong Cham Siem Reap Svay Rieng Kampot | All |
| 16:30 – 17:00 | Closing Remarks | Dr. Natacha, WHO representative Dr. SAU Sokunna |

Report of the workshop

The meeting was being held at KEP Hotel in KEP province from 19-20 November 2018.

27 participants: national and provincial hospital (lab manager and head of micro), BMLS/DHS, ITECH, DMDP and WHO with opening ceremony from Director of PHD Kep, Dr. Men Sothy

- Purpose and goal's concept from participants of 8 microlab were shown by IENG Vanra, WHO IT specialist
- Competencies for laboratories information system for applies epidemiology in Public Health, by Dr. SAU Sokunna, Deputy Director of DHS
- Role of lab in disease surveillance by Dr. Natacha, WHO
- Data analysis from CamLIS guide by IENG Vanra, using excel data for example
- How to calculate true positive by J.L, DMDP; CLSI.org, click on "resources" M1000 for Free or buy that cost (54-153\$/year); AppendixA, CLSI: divide 3 group agents (I, II, III); every category should think about confirmation of identification & of AST. Important thing is sending to Reference laboratory or between laboratories; Could reduce errors true positive by review CamLIS reports; Could reduce errors true positive to zero by review worksheet and CamLIS data

entry (what DMDP have done with this?); DMDP CamLIS report recommended: organism list update, AB panels, CLSI M100 28Ed update, add alert, Microbiology comments in khmer; *Blood culture analysis and calculating positivity rates Job Aid*, developed by DMDP; What you define sample are contaminated and how to inform the clinicians: make your definition and make the clinicians help. Eg: most *coagulase negative Staphylococcus from blood culture are skin contaminated!* And Showing some research papers.

- Discussion on Data analysis using CamLIS: Graphic and Map Practice Q & A
 - Colors on CamLIS
 - Yellow: progress
 - Red: pending
 - Blue: Completed with tick
 - Green: not yet click review
 - Orange: reject

Result:

- Information system: extract data from CamLIS were explain to the stake holders
- Many issues from using CamLIS were discussed and explain and resolve during and after workshop

Photos of the workshop: see attached files

Presentation: see attached files