# Heat Health in WHO SEARO Examples from Thailand and India

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Dr Liviu Vedrasco, WHO – Thailand



# Community Heat-Health Surveillance and Warning System

In Pasang community, Lamphun province, Thailand





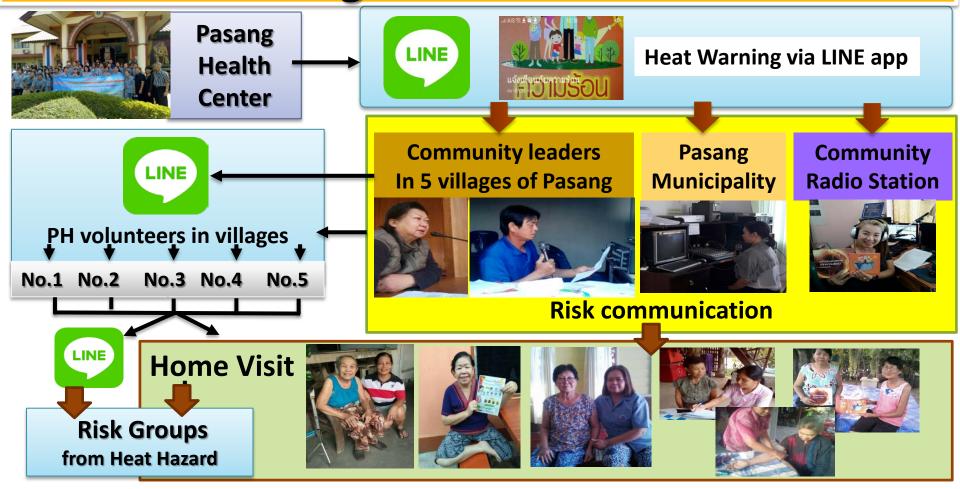


## **Heat-Health Surveillance**

### Lists of risk group from heat in Pasang community

Risk Groups	Amount (persons)
• Infants (0-5 yrs)	204
Pregnant women	6
• Elderly (more than 65 yrs)	1,033
<ul> <li>Patients with pre-existing disease</li> <li>(e.g. kidney, heart, cancer, mental disorder)</li> </ul>	175
Outdoor workers	120
Workers who work in factory with high temperature	20

## **Heat Warning and Risk Communication**





#### **Develop PH volunteer center to be "Community Cooling Center"**



**Primary care services: Screening for Blood pressure & Refer patients** 

Health consultation: Give advice, disease surveillance and warning

Meeting room of public health volunteers, community leaders, and communities

**PH volunteer Center is located in Temple** 

"Community Cooling Center"



### May 2010 heat wave resulted in 1344 additional deaths

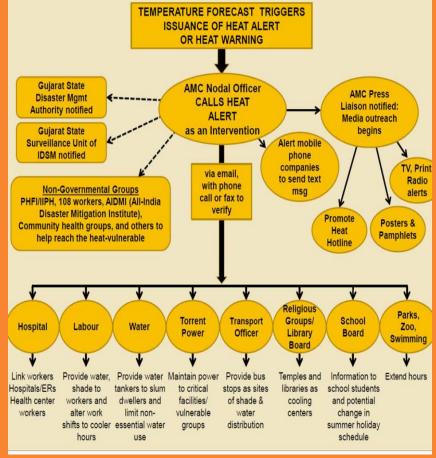
- 1. Building Public Awareness and Community Outreach to communicate the risks, prevent heat-related deaths and illnesses (media outlets, pamphlets SMS email, radio, WhatsApp).
- 2. Early Warning System, Indian Meteorological Department and Inter-Agency Coordination alert residents of extreme temperatures; government agencies, health officials and hospitals, emergency responders, local community groups, and media outlets.
- 3. Capacity building for primary medical officers, paramedical and community health staff to recognize and respond to heat-related illnesses.
- 4. Reducing Heat Exposure and Promoting Adaptive Measures: mapping of high-risk areas, increasing access to potable drinking water and cooling spaces on extreme heat days.

#### **AMC Nodal Officer Activation of a Heat Alert**

YELLOW ALERT	Hot Day Advisory	41.1°C – 43°C
ORANGE ALERT	Heat Alert Day	43.1°C – 44.9°C
RED ALERT	Extreme Heat Alert Day	≥ 45°C

#### Affordable heat resilient roofing





https://www.nrdc.org/sites/default/files/ahmedabad-heat-action-plan-2018.pdf