

Heat Health in WHO SEARO

Examples from Thailand and India

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World Health
Organization

Community Heat-Health Surveillance and Warning System

In Pasang community,
Lamphun province,
Thailand



กรมอนามัย
DEPARTMENT OF HEALTH



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
• Patients with pre-existing disease • (e.g. kidney, heart, cancer, mental disorder)	175
• Outdoor workers	120
• Workers who work in factory with high temperature	20

Heat Warning and Risk Communication



Pasang Health Center



Heat Warning via LINE app



PH volunteers in villages

No.1 No.2 No.3 No.4 No.5

Community leaders
In 5 villages of Pasang



Pasang Municipality



Community Radio Station



Risk communication



Home Visit

Risk Groups
from Heat Hazard



Interventions – “Community Cooling Center”



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”

AMMAEDARAD HEAT ACTION PLAN 2015

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

