

**SECURE Webinar #14**  
**The Impact of Climate Change on Healthcare:**  
**Building Resilience of Vulnerable Populations with Mobile Health Facilities**  
23 May 2024, 11:00AM -12:00 PM Manila time

**CONCEPT NOTE**

*The SECURE Webinar Series is a platform to promote innovative approaches and best practices for strengthening health security post-COVID-19 pandemic among Southeast Asia (SEA) developing member countries (DMCs) of the Asian Development Bank (ADB). The webinar series is supported by the ongoing ADB technical assistance (TA 6767) on Supporting Enhanced COVID-19 Vaccination and Post COVID-19 Health Security Response in SEA and serves as a venue for knowledge and information exchange among governments, the private sector, development partners, CSO networks and other key stakeholders.*

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The World Health Organisation (WHO) has predicted that climate change will directly contribute to humanitarian emergencies resulting from increased scale, frequency, and intensity of heatwaves, wildfires, floods, tropical storms, and hurricanes. Research shows that 3.6 billion people live in areas highly susceptible to climate change. Between 2030 and 2050, climate change is expected to cause approximately 250,000 additional deaths per year from undernutrition, malaria, diarrhoea and heat stress.

Geographical areas with weak health infrastructure – mostly in developing countries and small island developing states endure the harshest health impacts. In vulnerable regions, the death rate from extreme weather events in the last decade was 151 times higher than in less vulnerable ones. These areas will be the least able to cope without assistance to prepare and respond.

Building resilience through mobile health infrastructure is essential to improving the health outcomes of vulnerable populations. Health infrastructure systems that are rapidly deployed and highly mobile can offer rapid treatment, prolonged clinical care and recovery.

With over 30 years of experience in mobile field hospital infrastructure, Saab offers solutions that can mitigate some of the health impacts of climate change. Our approach emphasizes maximum mobility, such as mounting medical containers on transport platforms. We also prioritize equipping clinicians with the necessary training and medical supplies for triage, resuscitation, primary healthcare, infection control, and essential surgery- all crucial components of effective medical support.

Mobile health infrastructure can also decentralise health responsibilities from urban centres to support emergency evacuation during disaster management. Physical delivery of mobile medical infrastructure such as multi-functional health care clinics, mobile triage and surgery, blood donation centres, laboratories, dialysis facilities, and vaccination clinics offer enhanced regional capabilities. Allowing for prioritising health areas related to childcare, maternal health, family planning, aged care, and chronic and infectious disease management.

The COVID-19 pandemic highlighted the need for and importance of a robust and continuous supply chain, high throughput diagnostic testing capability, and high infection control in all healthcare and public facilities. Using mobile health infrastructure systems to support post-pandemic preparedness programs offers modular and scalable capability. These include isolation wards for infection control with HEPA-filtered ventilation air systems, negative pressure rooms and point-of-care testing laboratories for rapid diagnosis. For vulnerable populations in developing countries, Saab's mobile medical infrastructure systems help improve infectious disease outbreaks and the health security of civilians.

This webinar investigates options for mobile health infrastructure systems to build resilience in vulnerable populations.

1. **Discussion on various options of mobile medical facilities** for rapid deployment;
2. **Discussion on the decentralisation of health responsibilities** to enhance regional cooperation and local care and increase number of emergency evacuation hubs;
3. **Enhancing pandemic preparedness and response;**
4. Discuss a way forward for incorporating **mobile medical infrastructure** into emergency and health services facility management.

## AGENDA

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Moderator: Mr. Rikard Elfving, Principal Social Sector Specialist, ADB

<b>Time</b>	<b>Session</b>
11:00 – 11:05 AM	<b>Welcome Remarks and overview of the webinar</b>  <b>Mr. Anders Dahl</b> Vice President, Head of Saab Philippines
11:05 – 11:35 AM	<b>Building resilience through mobile health infrastructure systems in vulnerable populations</b>  <b>Ms. Amany Wahba</b> Business Development Director- Medical Solutions, Saab Australia
11:35 – 11:55 AM	<b>Q&amp;A</b>  <b>Mr. Rikard Elfving</b> Principal Social Sector Specialist, ADB
11:55 - 12:00 PM	<b>Closing remarks</b>  <b>Dr. Eduardo Banzon</b> Principal Health Specialist, ADB