

# The National Telehealth System

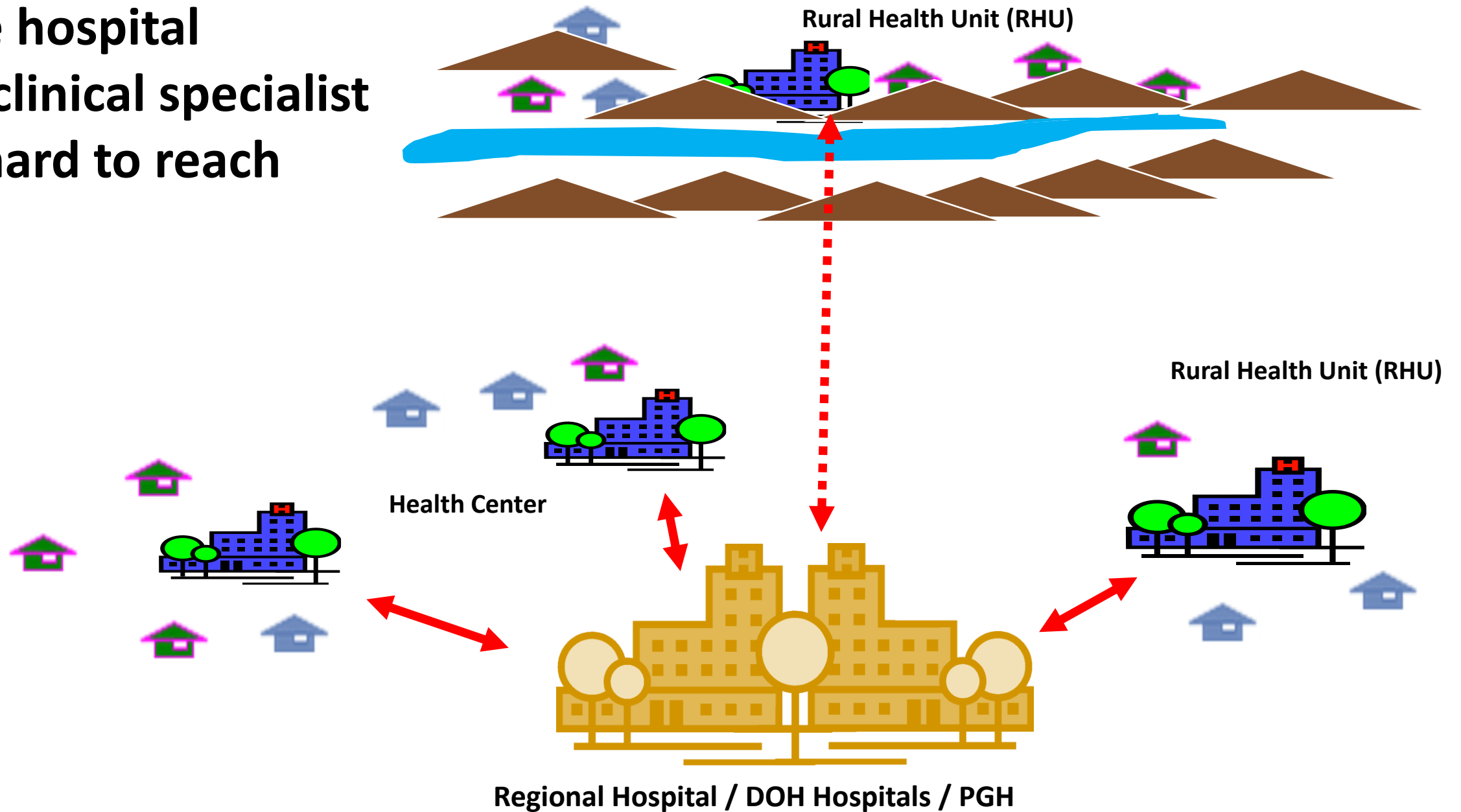
National Telehealth Center  
University of the Philippines Manila

If someone is sick and needs a Physician



**Pediatrician**

But what if  
the hospital  
or clinical specialist  
is hard to reach





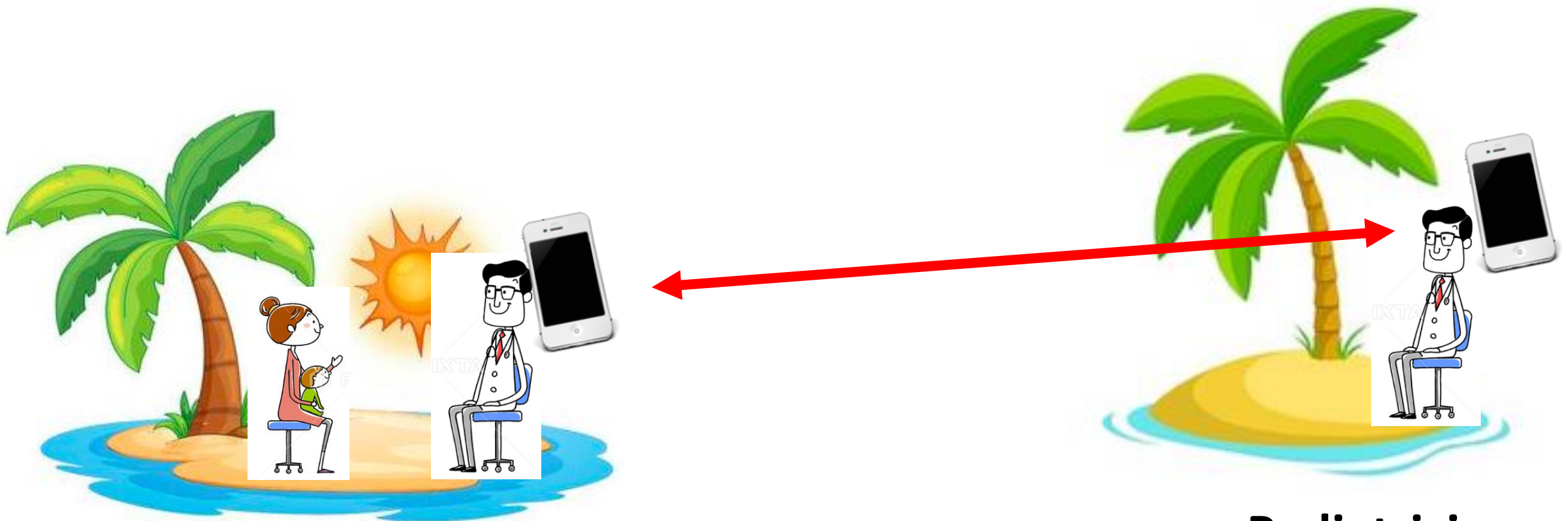
Source: [Morganinmanila.com](http://Morganinmanila.com)

If someone is sick and needs a Clinical Specialist  
and the patient is too far



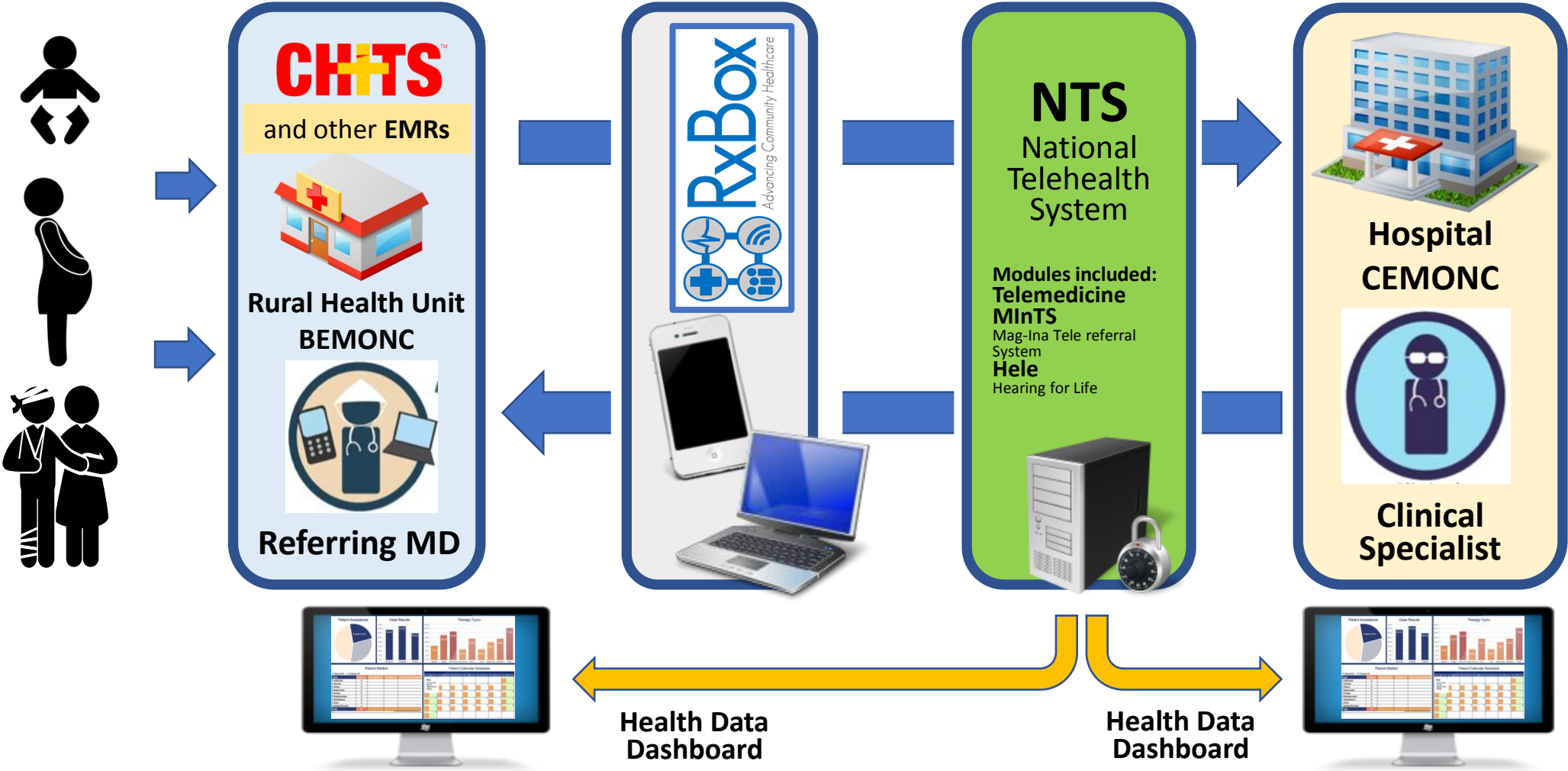
**Pediatrician**

If someone is sick and needs a Clinical Specialist and the patient is too far



**Pediatrician**

# National Telehealth System – Telehealth, Telemedicine, Electronic Medical Record



# National Telehealth System (NTS) - Telemedicine





**UP Manila**

**National Telehealth Center**

**Department of Health**

The block contains three logos. At the top is the University of the Philippines Manila logo, featuring an eagle and the text 'UNIVERSITY OF THE PHILIPPINES MANILA 1908'. Below it is the National Telehealth Center logo, which includes a caduceus and the text 'NATIONAL TELEHEALTH CENTER 1998'. At the bottom is the Department of Health logo, featuring a shield with a caduceus and the text 'REPUBLIC OF THE PHILIPPINES DEPARTMENT OF HEALTH' and 'MAGKATAPANG SA LIBERTAS POPLU'.

**Referring Physician**



**Clinical Specialists**

The block shows a vertical flow of communication. At the top is the text 'Referring Physician' above a circular icon of a doctor with a stethoscope, a mobile phone, and a laptop. Below this icon are two red arrows: one pointing down and one pointing up. At the bottom is a circular icon of a clinical specialist wearing glasses and a stethoscope, with the text 'Clinical Specialists' below it.



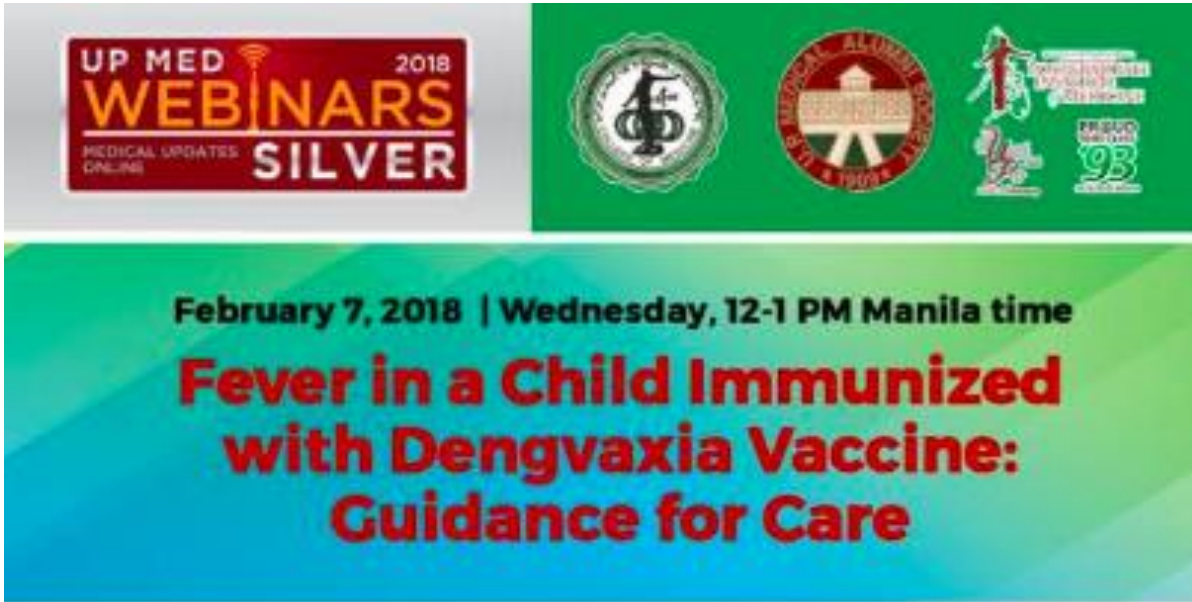
The block displays three pieces of technology used in telemedicine: a smartphone at the top, a desktop computer with a monitor and tower unit in the middle, and a laptop at the bottom.



# The National Telehealth System

## Telehealth

-Refers to clinical and non-clinical services such as medical education, administration and research



UP MED WEBINARS 2018  
MEDICAL UPDATES ONLINE SILVER

February 7, 2018 | Wednesday, 12-1 PM Manila time  
**Fever in a Child Immunized with Dengvaxia Vaccine:  
Guidance for Care**



**SPEAKER:**

BENJAMIN SABLAN JR, MD, MDM, FPPS  
Associate Professor, Dept. of Pediatrics  
College of Medicine - Philippine General Hospital  
UP Manila



**SPEAKER:**

EVA MARIA CUTIONGCO-DELA PAZ, MD, FPPS, FCCMG  
Research Professor and Vice Chancellor for Research, UP Manila  
Executive Director, National Institutes of Health



University of the Philippines Manila National Telehealth Center added 2 new photos.

18 hrs · 🌐

LIVE from Ilocos Sur: UP Med Webinars at the Region 1 Telemedicine Training

**LIVE**  
PGH

## Global and Philippine Burden of Dengue

	Global Estimates (2016) <sup>1</sup>	
All Infections	400 M	45,000
Symptomatic Infections	100 M	10,000
Severe Infections	3.3 M	350
Deaths	9 K	1
Case Fatality Rate (%)	0.009	

<sup>1</sup>WHO. Weekly Epidemiological Record. 29 July 2016.

# Telemedicine Training at Bantay, Ilocos Sur



# National Telehealth System

- “Telemedicine component of the RxBox”
- RxBox: Integrating Medical Devices into the National **Telehealth** Service
- The RxBox serves to **strengthen telehealth and the NTS**

**RxBox1000 – 1000 municipalities/cities  
all over the Philippines**

# RxBox: Integrating Medical Devices into the National Telemedicine Service Program

Sphygmomanometer



Pulse Oximeter



Tablet



ECG



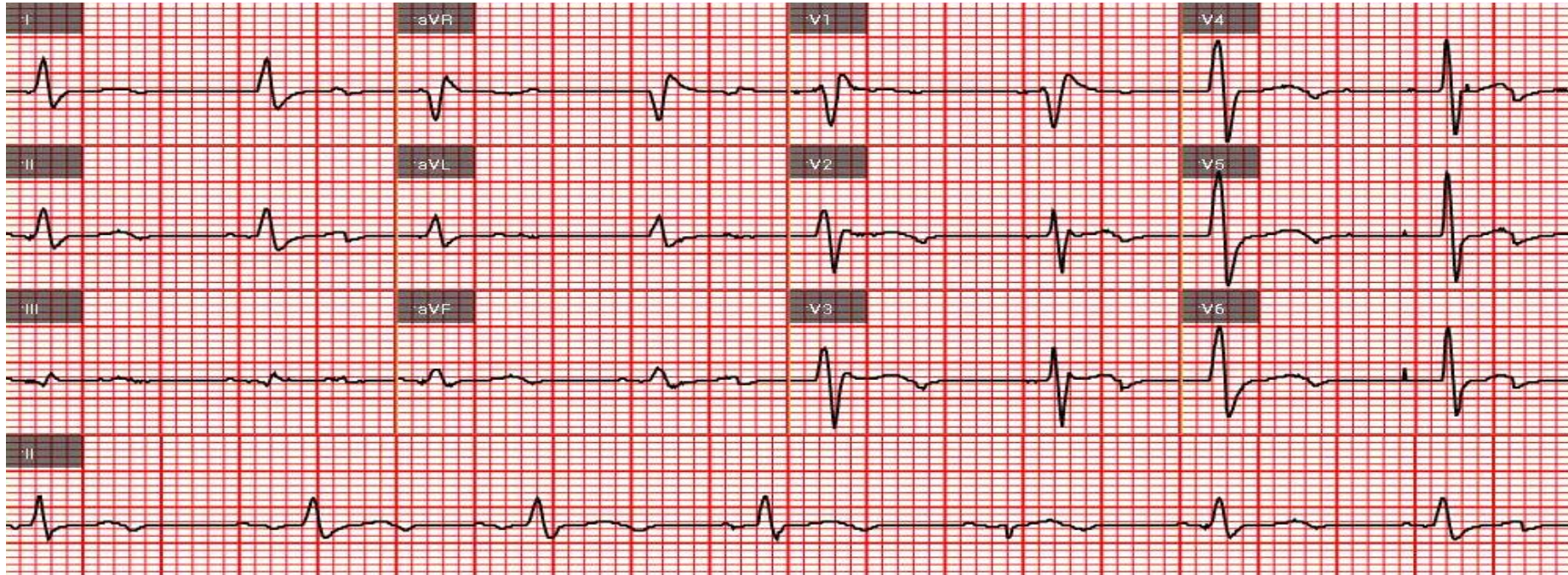
Thermometer



Tocometer  
Fetal Heart Rate Monitor  
Fetal Movement Marker



Bolinao, Pangasinan: 50/F known Diabetic and Hypertensive, with history of occasional palpitations and dyspnea on exertion, EKG with non specific changes



Thru Telecardiology, TeleECG: The cardiologist suggests to treat HPN and DM aggressively using rosuvastatin, clopidogrel or aspirin, and beta blocker if not contraindicated

Bolinao, Pangasinan: 50/F known Diabetic and Hypertensive, with hx of occassional palpitations and dyspnea on exertion, EKG with non specific changes



Outcomes: Gave Losartan and Rosuvastatin (same type of drug suggested by the cardiologist). **Patient saved money since it was given for free at the RHU.**

Outcomes: Saved money for unnessesary consultation at mainland Bolinao.

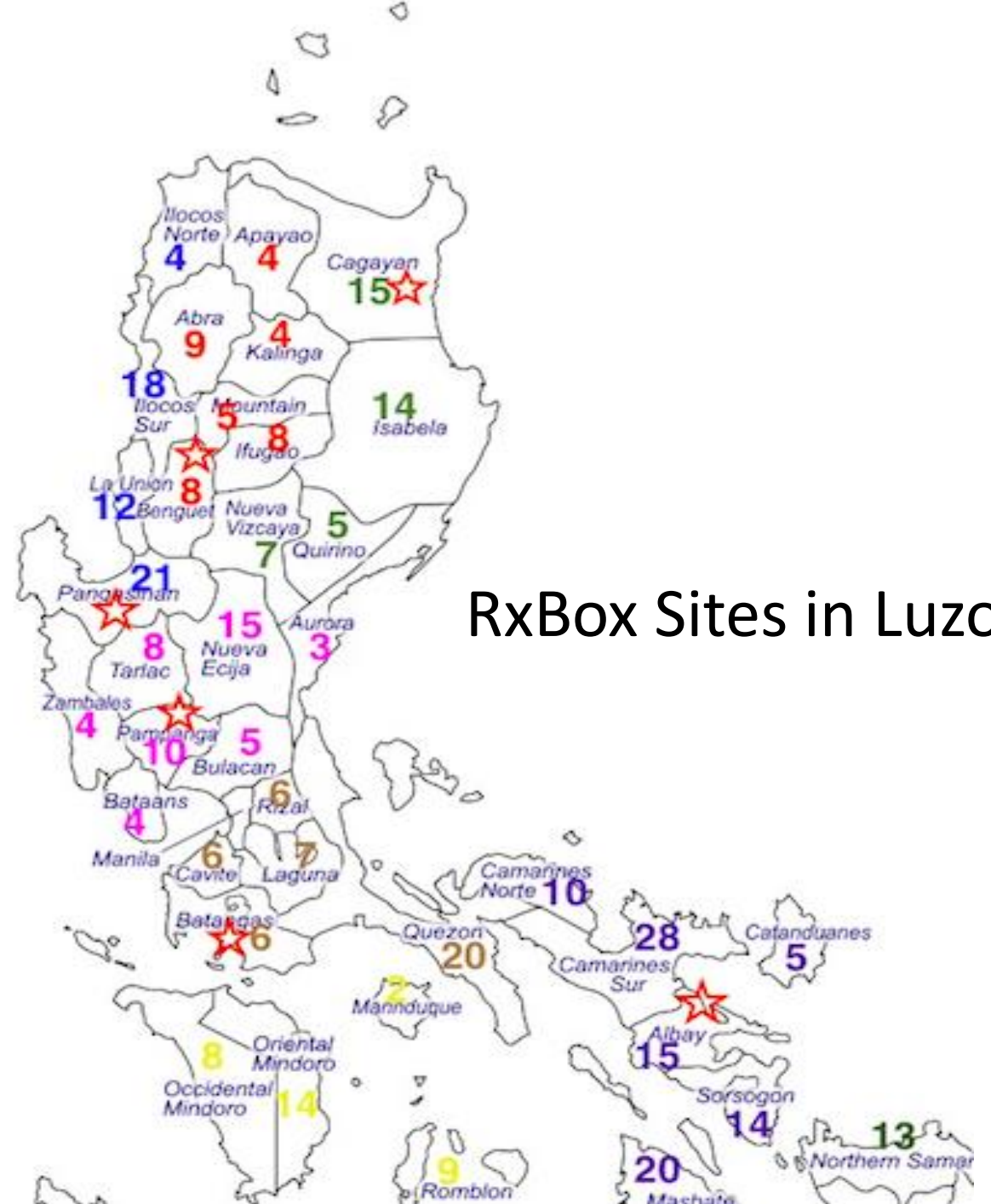
Outcomes: Patient shows relief of symptoms.

# Who will benefit?

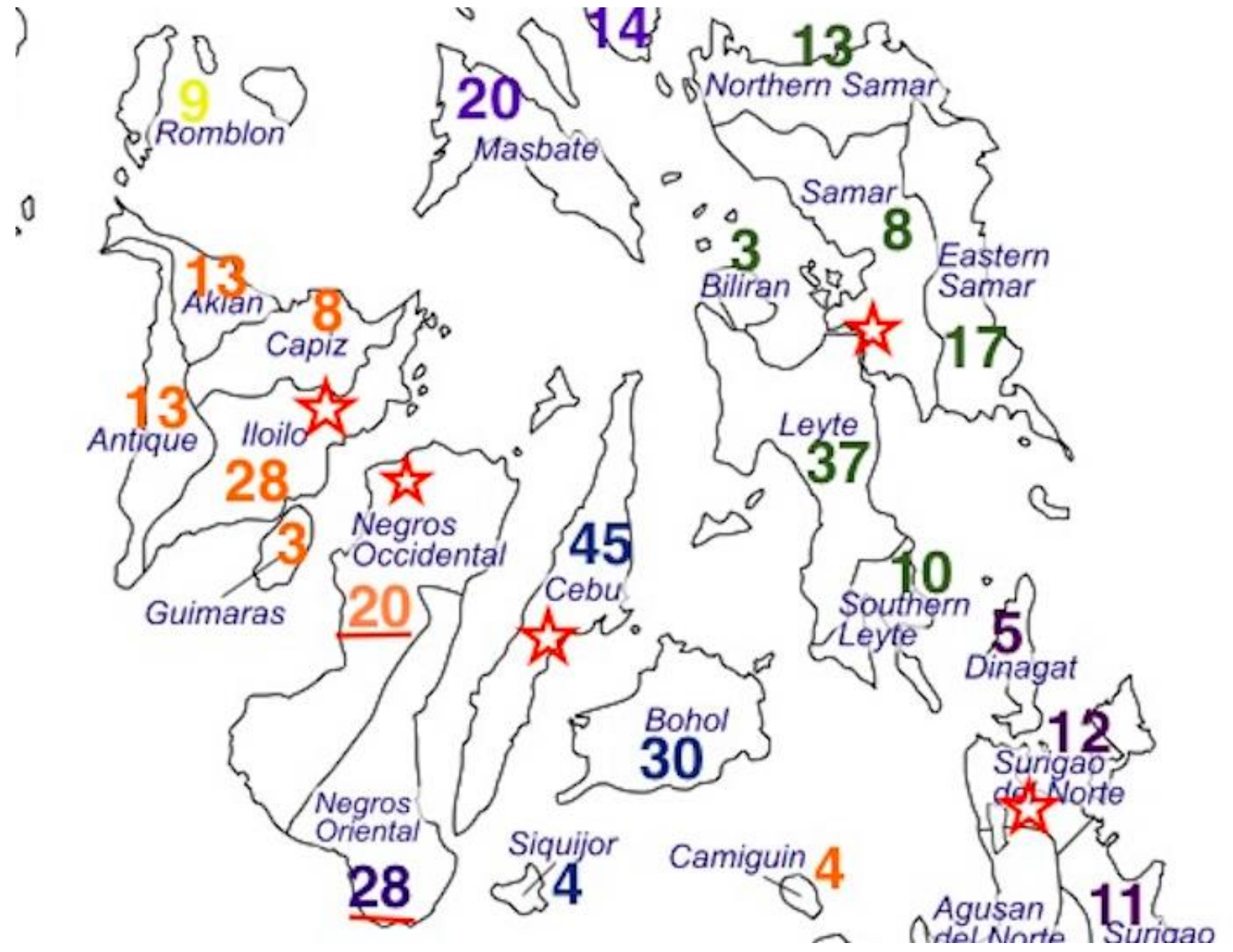
1000 Rxbox telemedicine devices

For 1000 municipalities & cities

 Regional Hospitals



RxBox Sites in Luzon



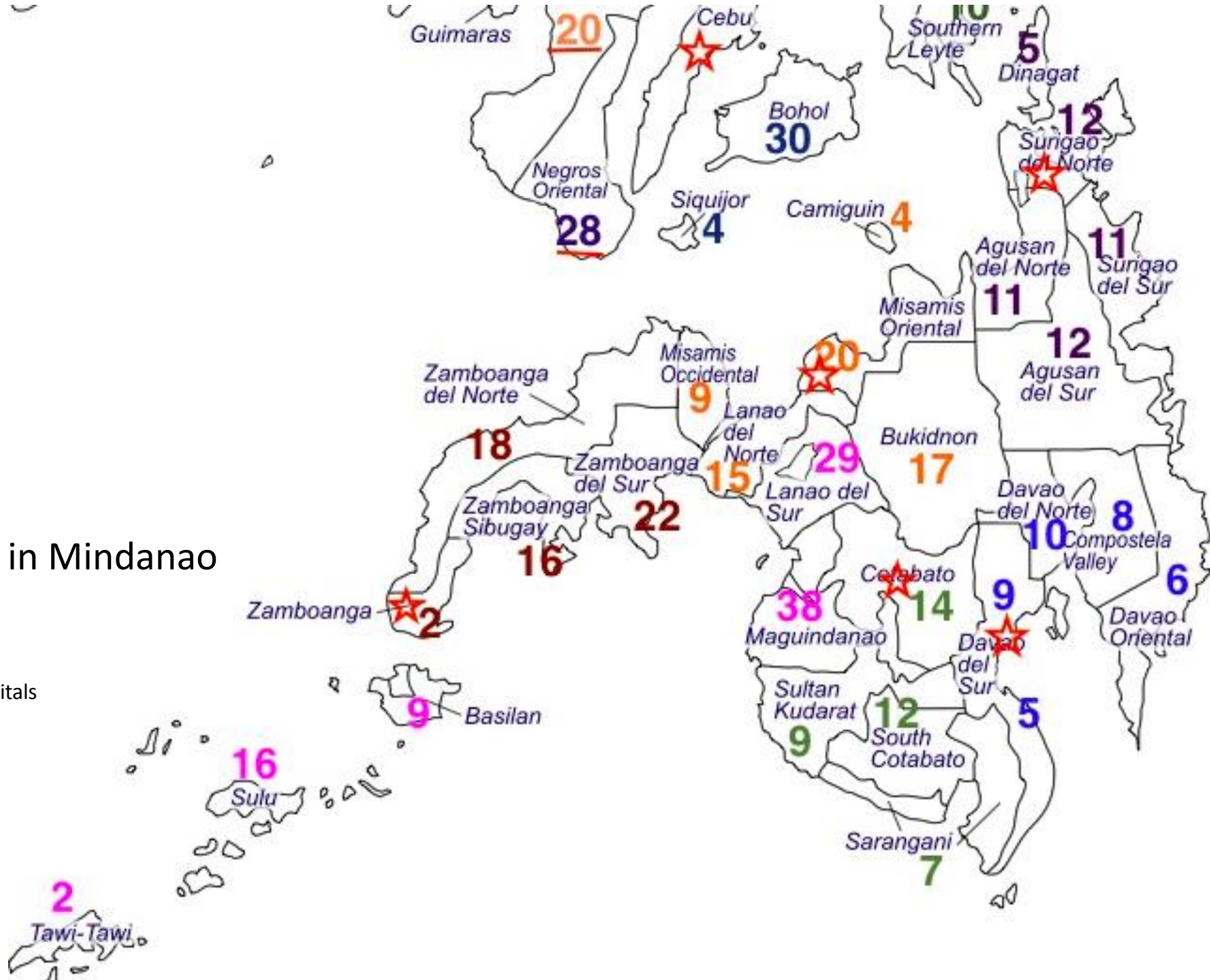
## RxBox Sites in Visayas

★ Regional Hospitals



# RxBox Sites in Mindanao

★ Regional Hospitals



# Who benefits from this?



# Challenges

- ICT Infrastructure in many municipalities in the Philippines
- Internet Access
- Availability of Telemedicine Devices
- Acceptability of Telemedicine (patient,MDs)

# The Way Forward

- Research and advancement of technology
- TeleStroke, TelePsychiatry, TeleRehabMed, real-time Telemedicine
- Telehealth – Increase capacity for doctors, nurses, midwives in the field thru webinars

To learn more: [www.facebook.com/UPMTelehealth/](http://www.facebook.com/UPMTelehealth/)

University of the Philippines Manila National Telehealth Center

NTHC@19: BRINGING DIGITAL HEALTH INNOVATIONS TO SCALE AND BEYOND

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7 hrs · 🌐

It's a wrap for the Telemedicine Training in Ilocos Region. We extend our deepest gratitude to the Municipal Health Officers/Representatives, Clinical Specialists and Provincial Department of Health Officers who participated.

On to our next destination with DOST 1 - Department of Science and

College & University in Manila, Philippines

4.6 ★★★★★

Opens in 30 minutes

Community

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