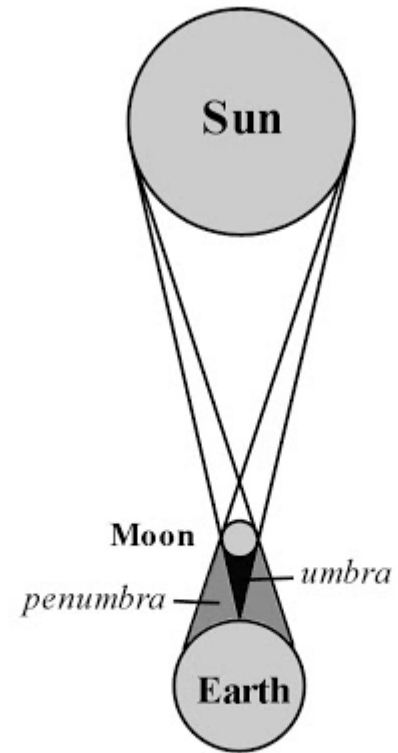




HIV in the COVID-19 era

The story of Central America

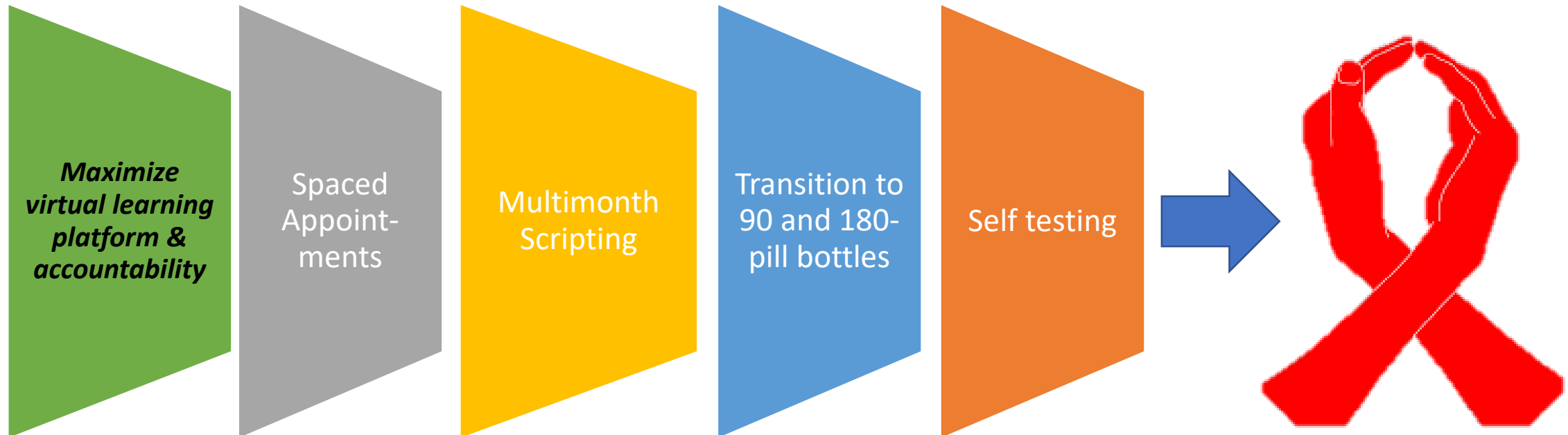






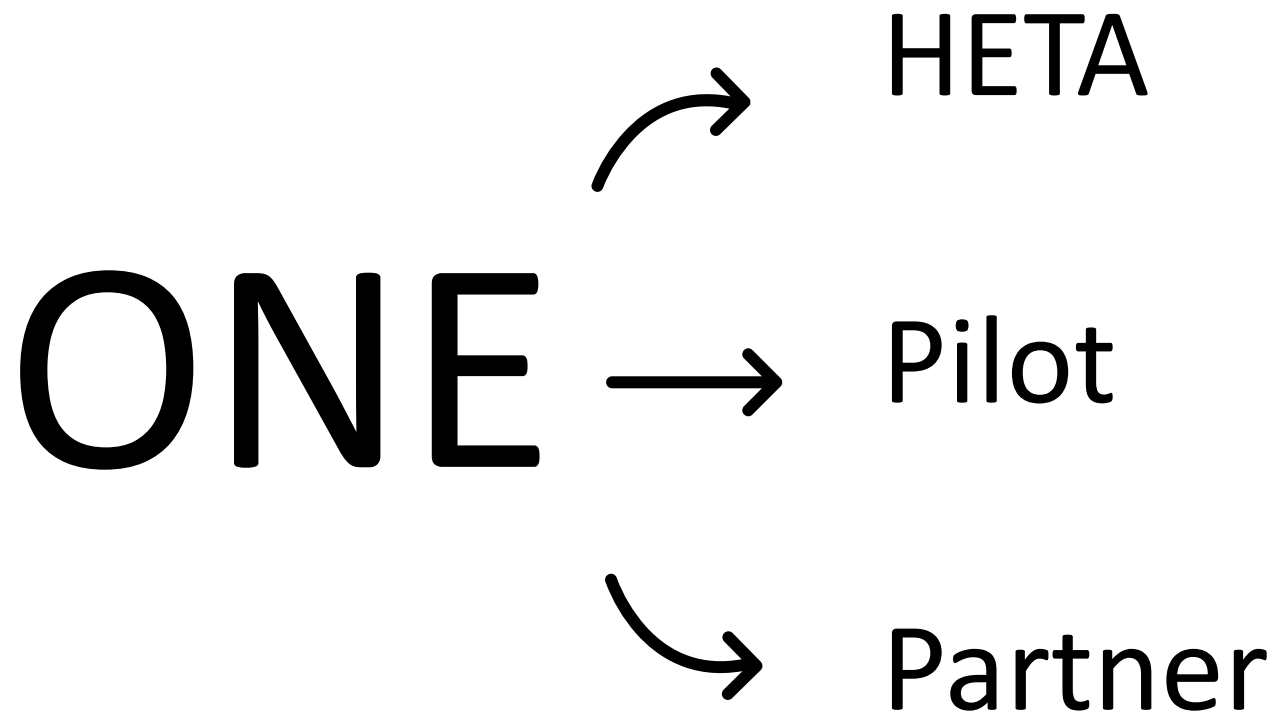
“A pessimist sees the **difficulty**
in every opportunity;
an optimist sees the
opportunity in every difficulty”

- Winston Churchill

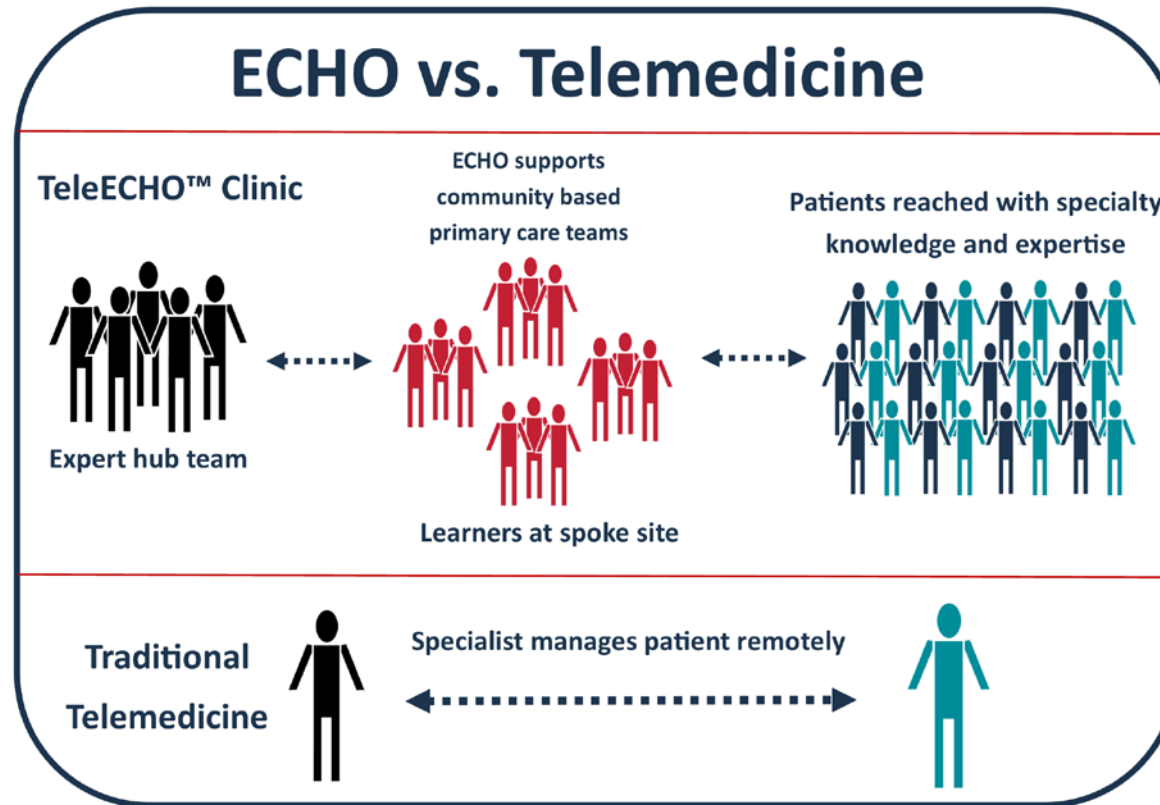


$$1 + 5 = 7,000$$

$$1 + 5 = 7,000$$



The Pilot: What is Project ECHO?





TB Certificate Program Guatemala

February 2018





Lessons Learned in TB Project ECHO to start HIV Project ECHO

Exponential growth in internet connections and computer skills

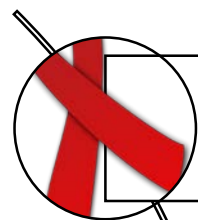
National clinical guidelines may vary in each country but can learn from their neighbors

High turnover of staff and Ministry officials mean we need a sustainable and consistent platform for training

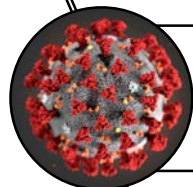
Hunger for knowledge and peer community of practice among healthcare workers

1 + 5 = 7,000

+Five



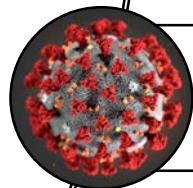
Regional HIV ECHO- April 27th, 2020



Regional COVID-19 ECHO-April 15th- July 15th, 2020



Regional TB ECHO- launch May 19th, 2020



Regional LAB ECHO- launch June 9th, 2020



Regional Mental Health- launch July 10th, 2020

1 + 5 = 7,000

ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.



Regional ECHO|TB

3 monthly sessions

328 participants

10 countries

1 + 5 = 7,000

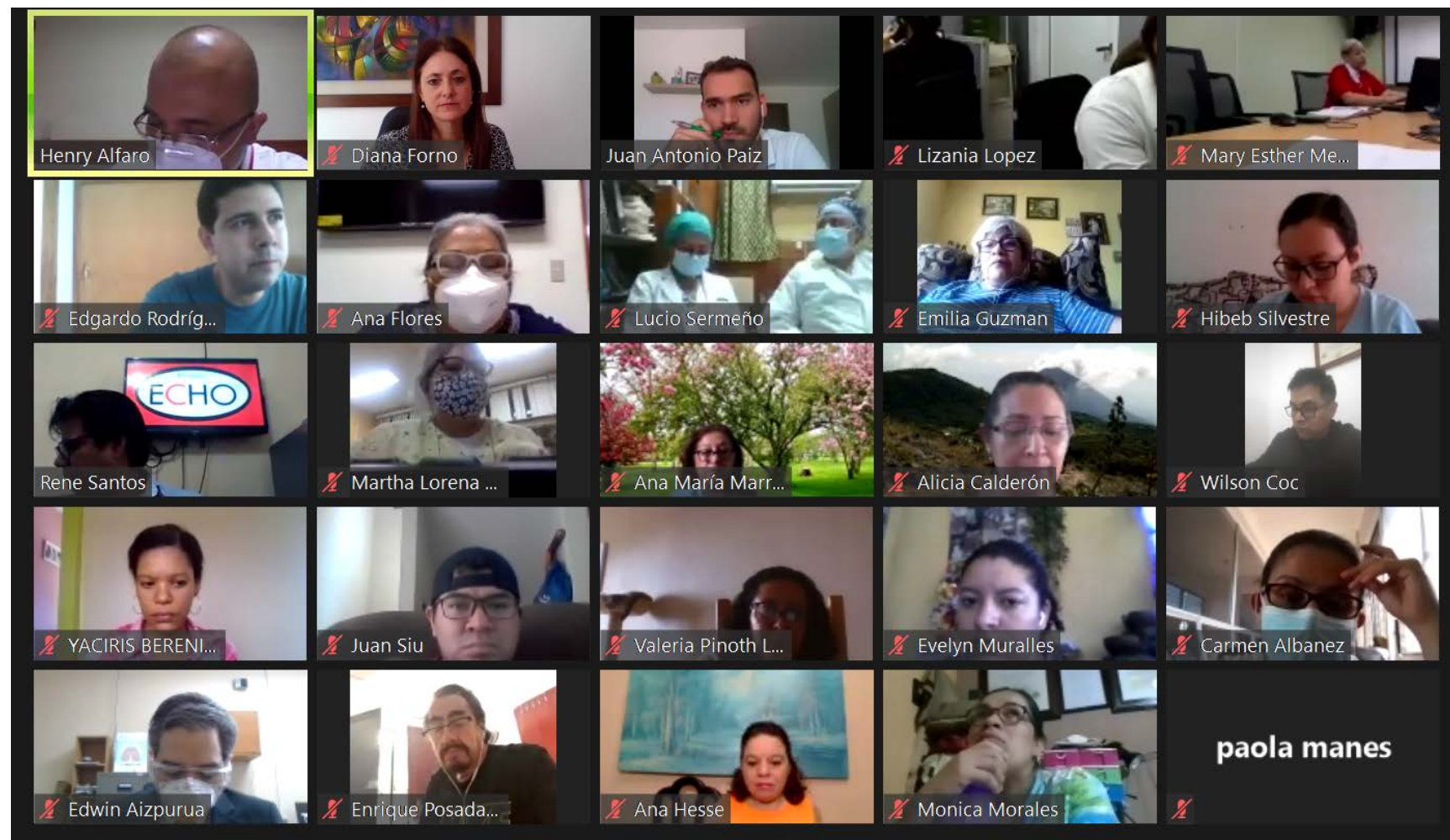
ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.



1 + 5 = 7,000

ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.



Regional ECHO|HIV

31 weekly sessions

1,250 participants

9 countries



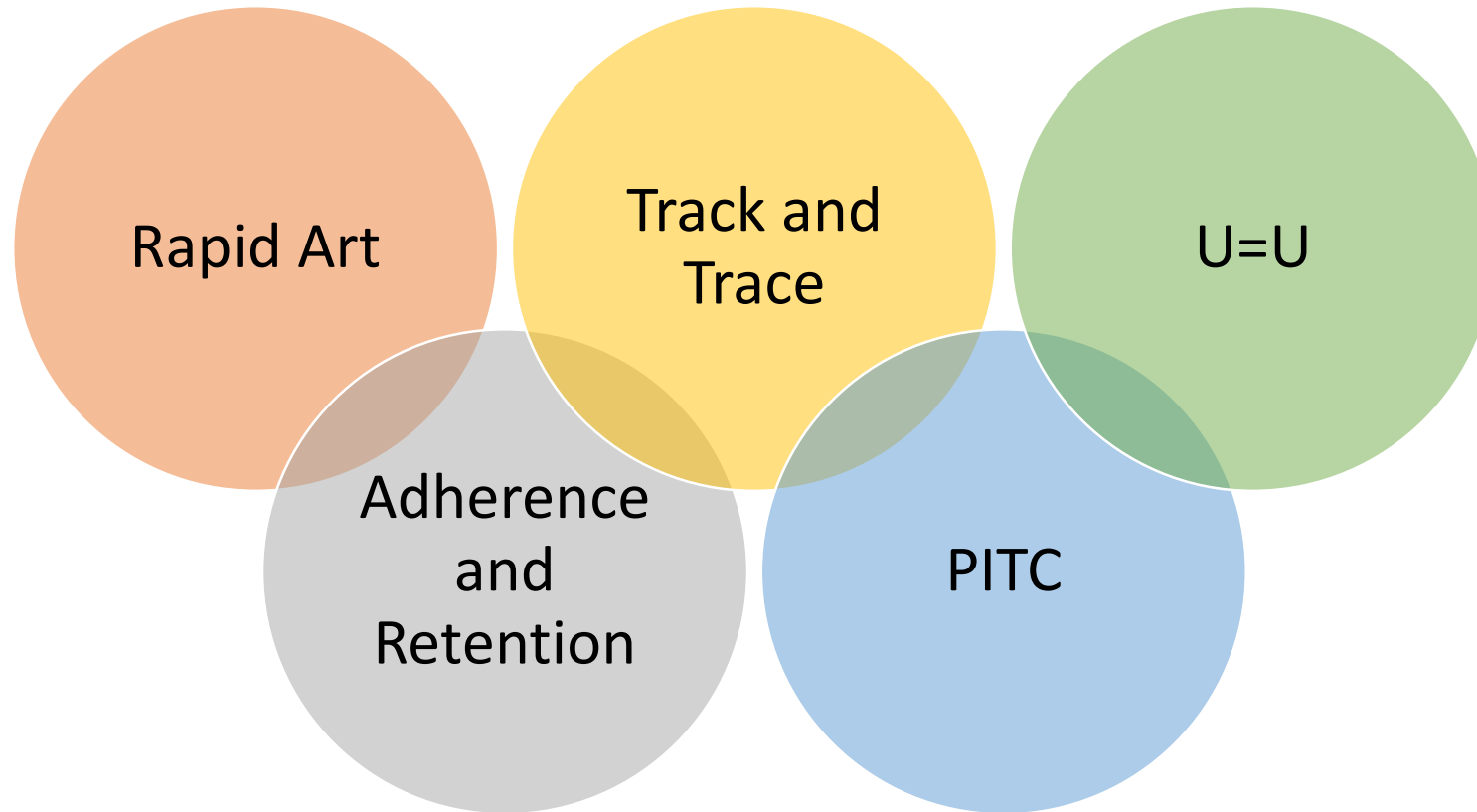
Building a community where everybody learns from each other

Impact of Project ECHO HIV in COVID19 World

- CASE: Male 50 years old w/ history of HIV since Feb 2018, baseline CD4 125 VL: 125,000 started ART (Truvada Efavirenz) .
- FU: Feb 2019 CD4 350 VL: Undetectable
- Presented in April 15 2020 with fever cough and shortness of breath . O2 Sat: 85%
- COVID 19 test positive
- CD4 300 VL: >50
- Moderate COVID presentation with Dexa, enoxiheparin antibiotics Oxygen
- May 5 COVID 19 resolved at home

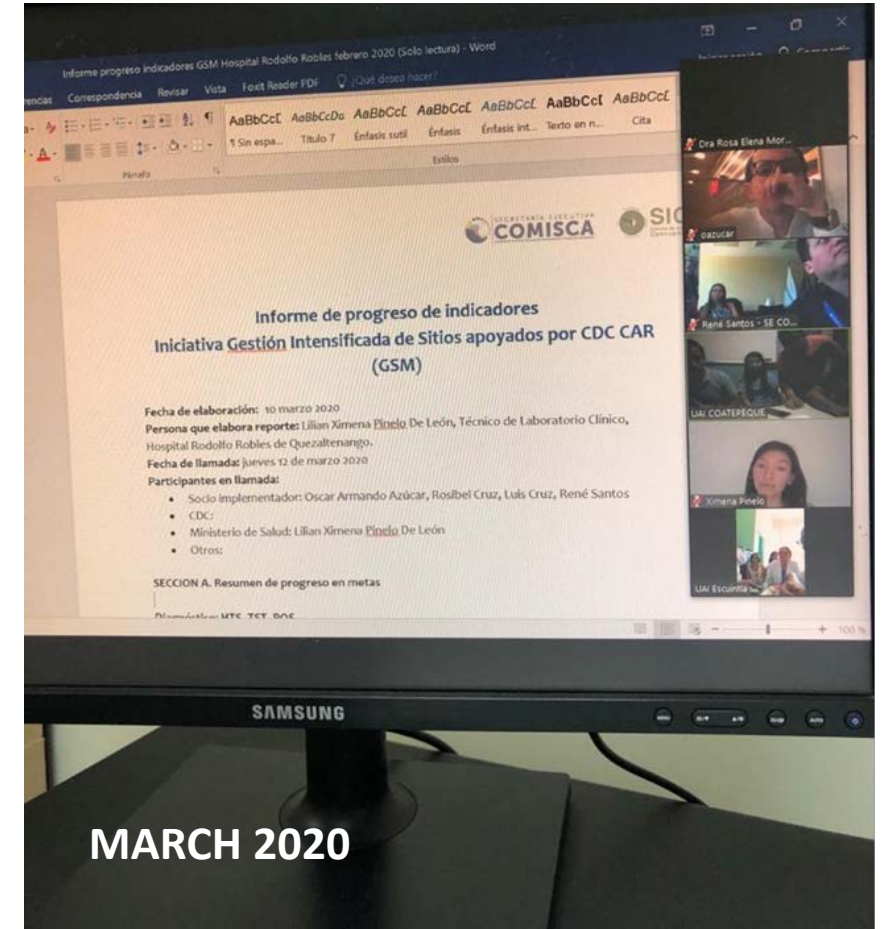
Granular Site Management (GSM)

Progress of Care and Treatment **Basic Packages**



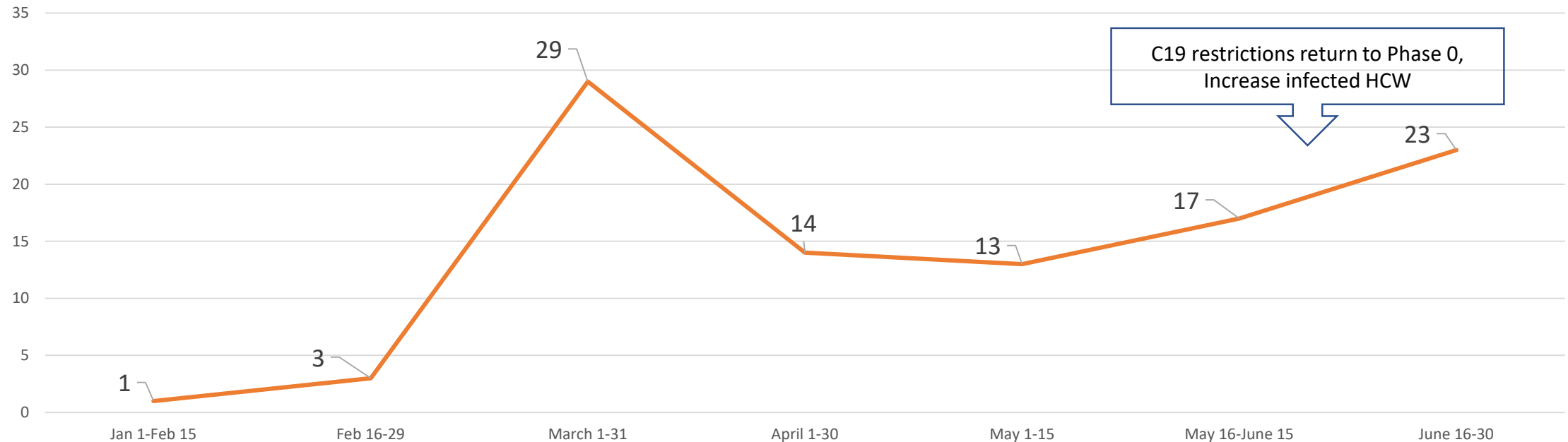
Virtual Accountability in COVID19 World

Build on virtual capacity to pivot proto- in-person
GSM efforts to online platform



GSM: Retention monitoring and management

Proportion of missed appointments at 3 CDC-supported treatment sites in Honduras, Jan to May 2020



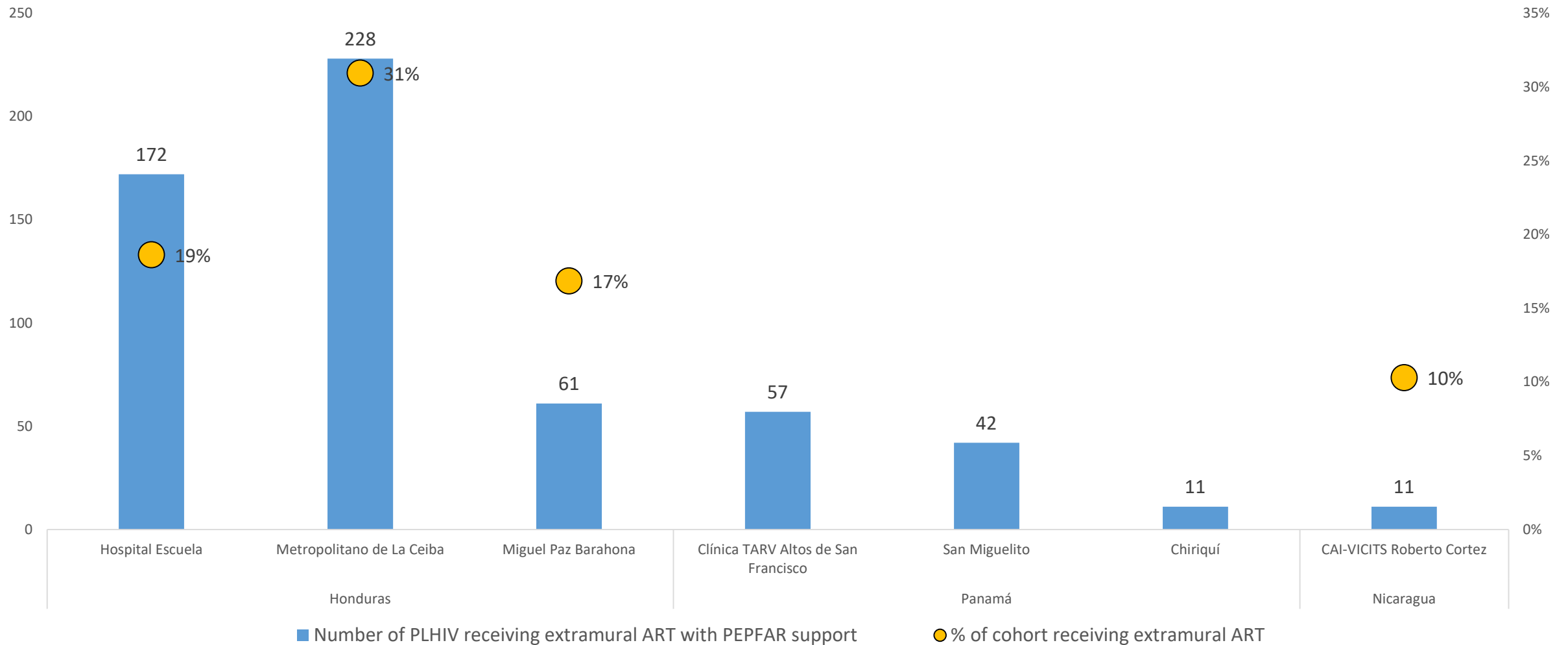
What is happening?

Why is it happening?

What did do about it?

GSM: Retention monitoring and management

Number and proportion of PLHIV receiving home ART with CDC support at selected sites in Honduras, Nicaragua, and Panama, April to May 2020



1 + 5 = 7,000

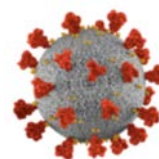
ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.



Regional ECHO|COVID

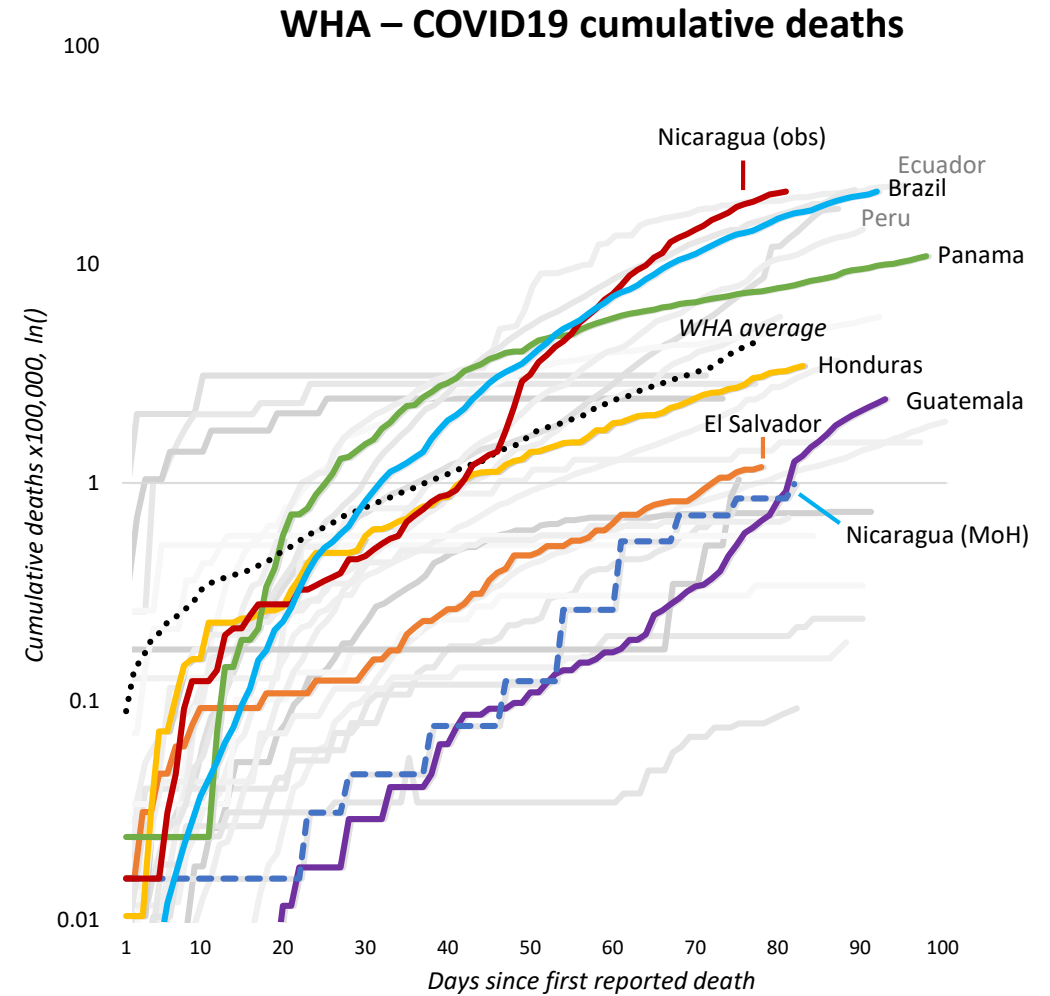
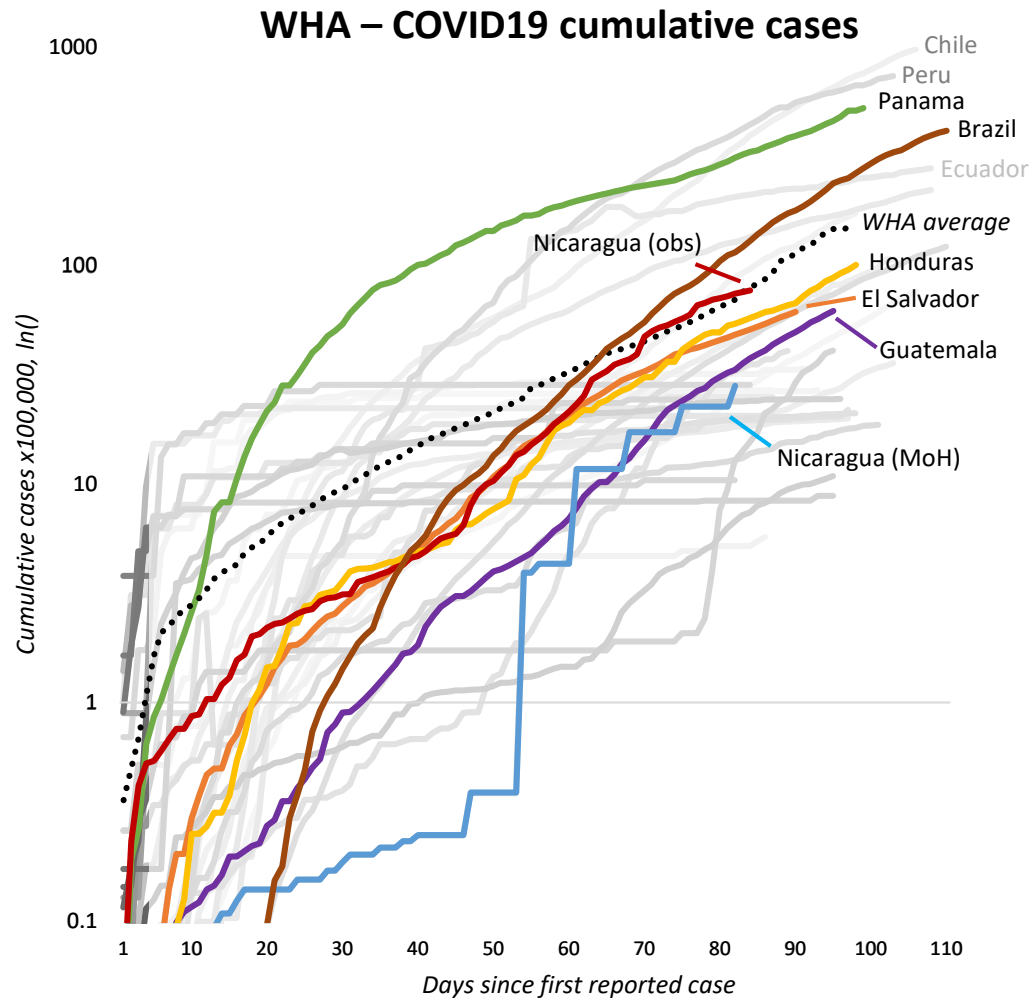
14 weekly sessions

4,652 participants

20 countries

COVID-19 impact in Health Systems

- WHA, CARB -



Notes on sources and methods.

Number of cases and deaths extracted from <https://data.humdata.org/dataset/novel-coronavirus-2019-ncov-cases>

Data for Nicaragua (Observatorio): <https://observatorioni.org/estadisticas-covid-19-nicaragua/>

Data on population: data.worldbank.org

000
7,000
=
5
1+
5
=

ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.



ECHO COVID-19 Centro América

Experiencia en el manejo del paciente crítico con COVID-19.
Discusión de Caso Clínico

Dr. Oscar Díaz Pineda

Especialista en Medicina Interna, Sub especialista en Medicina Intensiva
Jefe de la Unidad de Cuidados Intensivos del Instituto Hondureño de Seguridad Social (IHSS)



March 12, 2020



April 1, 2020



July 22, 2020



Oct 1, 2020



Jan 1, 2021

1 + 5 = 7,000

ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.

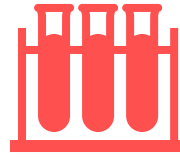


Regional ECHO|LAB

4 bimonthly sessions

614 participants

16 countries



Regional ECHO | LAB

How do we protect ourselves

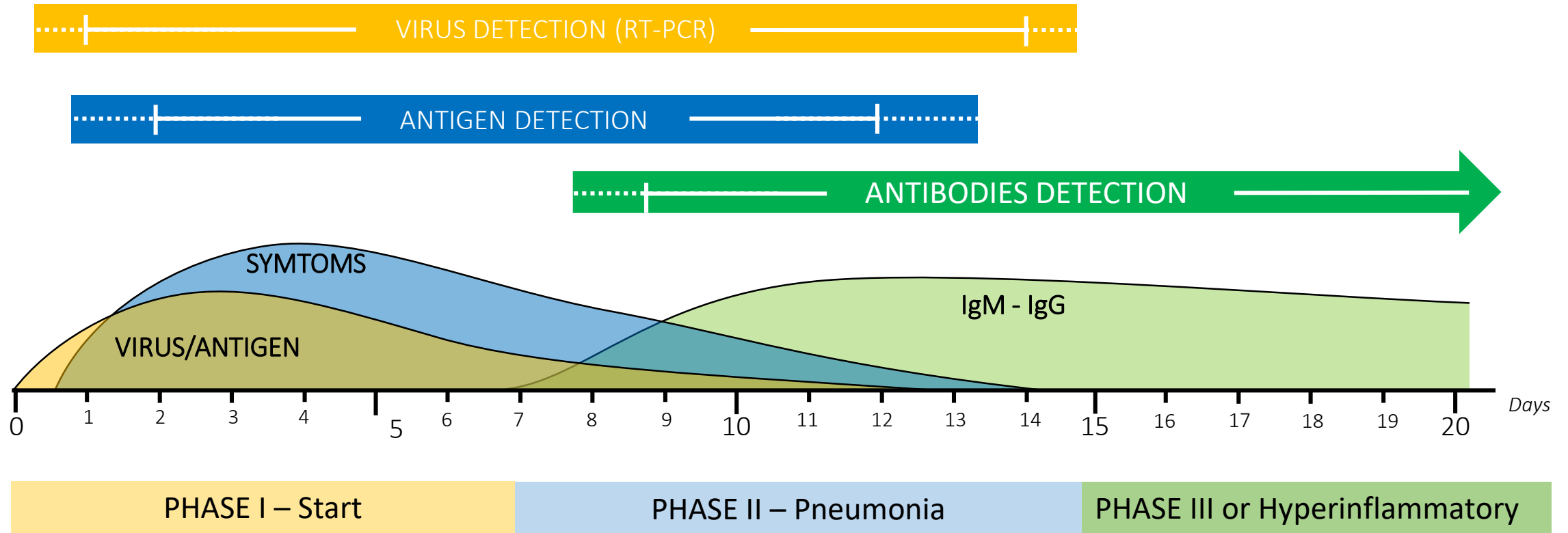
How do we take the sample

Which machine should we use

What are the guidelines this week



Helping the National reference labs improve -----



Elaborated by S. Juarez and A. Azmitia April 2020

Project ECHO LAB Impact



Bi-weekly
demonstration of
PPE prevent infection

Standard CDC-PAHO
guidelines to all
Laboratories in Central
and South America

Dissemination of correct collection of
samples and diagnosis prevent false
positive or negative results



Project ECHO LAB Impact



Red Integrada de Transporte de Muestras y Resultados para laboratorios de Salud Pública

Todo patógeno

Rutina, **vigilancia, brotes**

Muestras clínicas, CC, CCE, resultados

Beneficios:

- Fortalece la red de laboratorio
- Incrementa acceso al diagnóstico -> equidad de servicios
- Deriva muestras en vez de pacientes
- Optimización de uso de recursos humanos e instrumentos

Red Nacional de Transporte de Muestras



Guidance for Developing a Specimen Transport and Referral System for Viral Load and Intra-Vaginal HIV Diagnostic Testing Networks [Internet]. CDC, UNAIDS, WHO, CHAI, AIDM, 2016. A draft copy is available at: <http://www.aids.org/resources-centre/hiv-viral-load-testing/hiv-viral-load-scale-out/>

Global Laboratory Initiative. GLI Practical Guide to TB Laboratory Strengthening [Internet]. 2017. Available at: http://stopth.org/wg/gli/assets/documents/GLI_practical_guide.pdf

Global Laboratory Initiative. GLI Quick Guide to TB Diagnostic Connectivity Solutions [Internet]. 2016. Available at: http://www.stopth.org/wg/gli/assets/documents/gli_connectivity_guide.pdf

Global Laboratory Initiative. GLI Training Package on Specimen Transport [Internet]. 2017. Available at: http://www.stopth.org/wg/gli/assets/documents/STPRB_STTB_STB.asp

World Health Organization. Guidance on regulations for the Transport of Infectious Substances 2013-2016, 2013. Geneva. (WHO/ISMR/ACC/2013.2). http://www.who.int/publications/who_int_2013.2/

World Health Organization. International Laboratory Directory manual. 2012. Geneva. (WHO/IHTM/TB/2012.11). Available at: http://www.who.int/publications/2012/11_international/

Herramienta:
http://www.stopth.org/wg/gli/assets/documents/GLI_Guide_specimens_web_ready.pdf



CDC staff from CAR, DR and ATL in DGHT and DGHP collaborate to share their expertise

■ Guatemala	■ Panamá
■ República Dominicana	■ El Salvador
■ Honduras	■ Estados Unidos
■ Bolivia	■ España
■ Belize	■ Costa Rica

1 + 5 = 7,000

ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

ECHO|M.H.



Regional ECHO|MENTAL HEALTH

2 weekly sessions

125 participants

6 countries

1 + 5 = 7,000

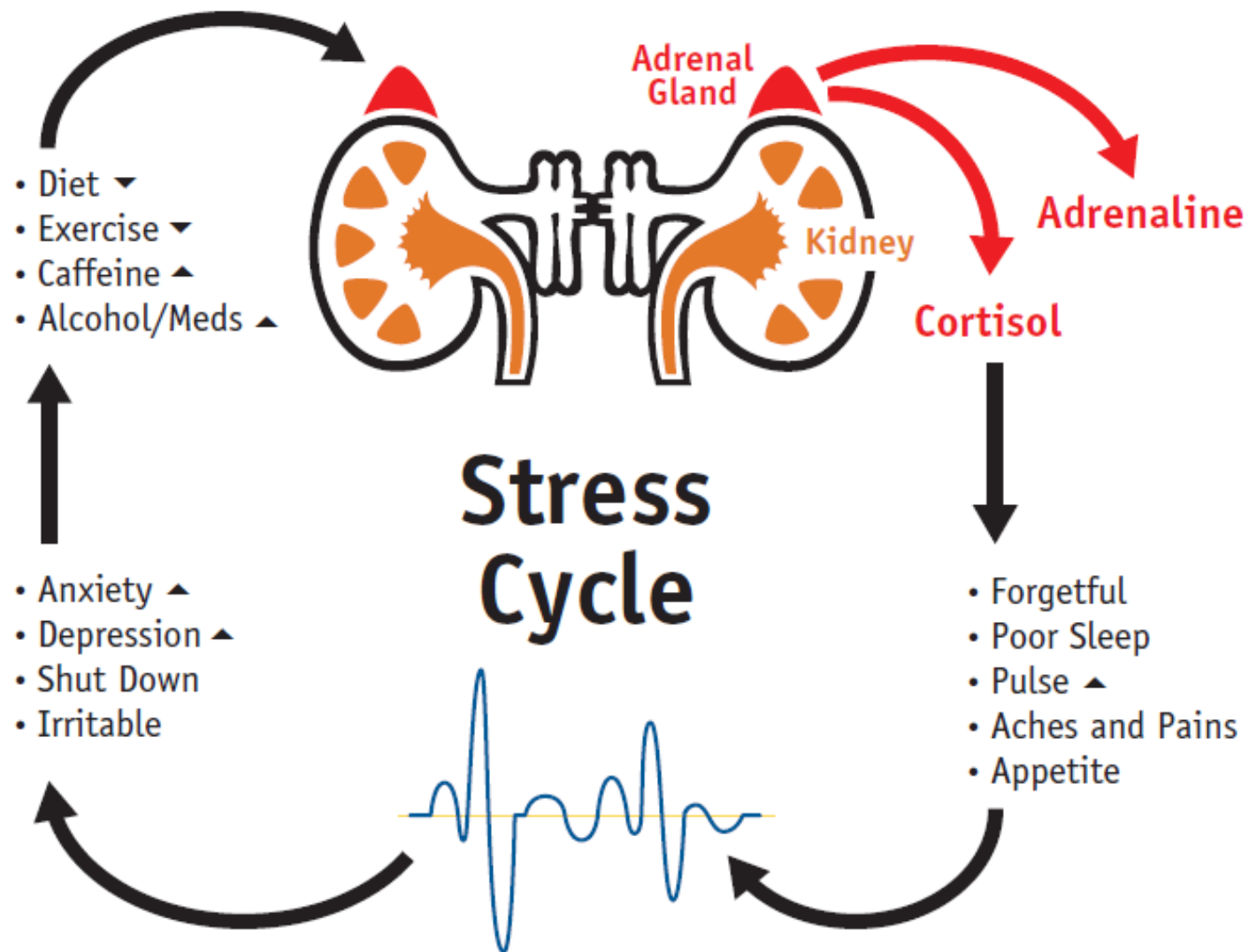
ECHO | TB

ECHO | HIV

ECHO | COVID

ECHO | LAB

ECHO | M.H.



Project ECHO Mental Health Impact



96% were satisfied with the topic

92% were satisfied with knowledge acquired

98% were satisfied with knowledge acquired during case presentation

1 + 5 = 7,000

ECHO|TB

ECHO|HIV

ECHO|COVID

ECHO|LAB

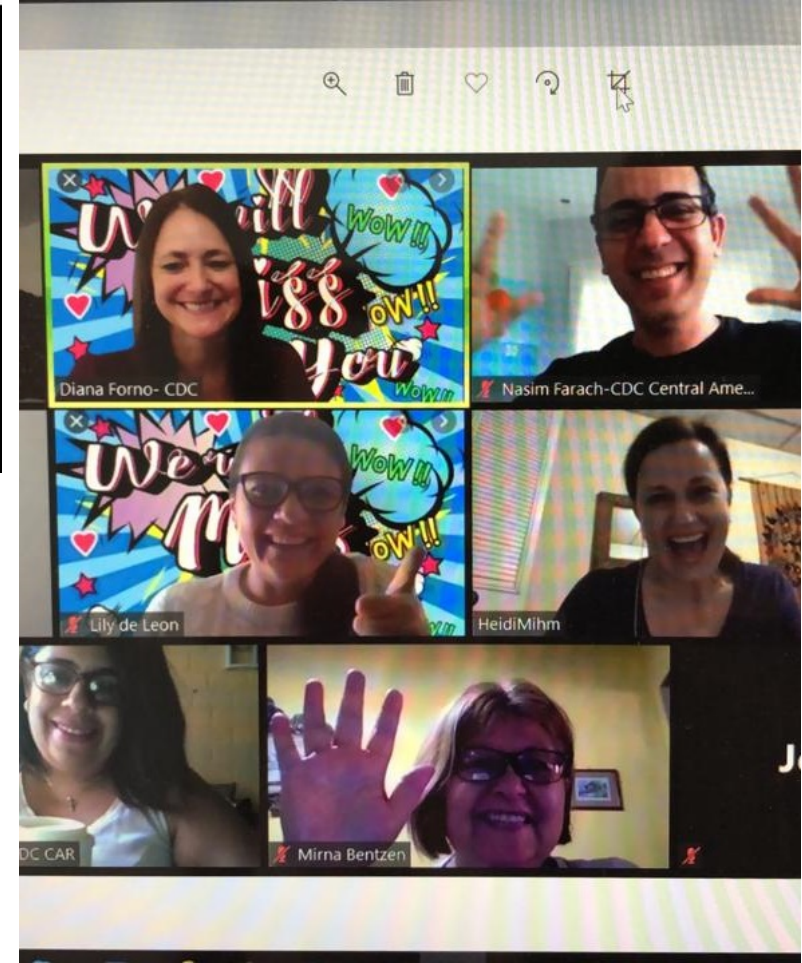
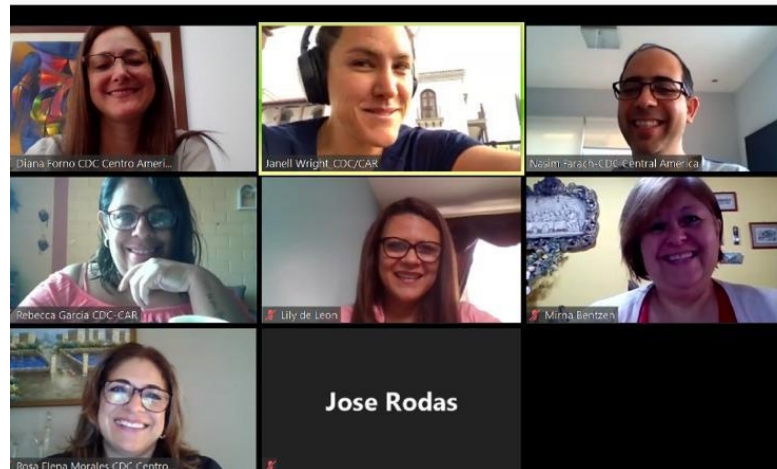
ECHO|M.H.

7,000

Beneficiaries

└ in 6 months
└ across 18 countries

Stay safe,
healthy,
motivated &
connected





Dedicated to Tom J. Spira, MD

Thanks you



Janell Wright

DGHT Director
CDC/DGHT/CAR
Hxx3@cdc.gov

Sandra Juarez

Lab Specialist Advisor
CDC/DGHT/CAR
vkc3@cdc.gov

Rosa Elena Morales

HIV Care and Treatment Advisor
CDC/DGHT/CAR
yrk8@cdc.gov

Diana Forno

Public Health Specialist
CDC/DGHT/CAR
xan1@cdc.gov

Nasim Farach

M&E Advisor
CDC/DGHT/CAR
wtg1@cdc.gov

Andrés Azmitia

Health Economist
CDC/DGHT/CAR
ocv9@cdc.gov