

# New Ideas Project ECHO Has Implemented to Respond to COVID-19

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 @ProjectECHO

 UNMProjectECHO

# ECHO is All Teach, All learn



Interactive



Co-management of cases



Peer-to-peer learning

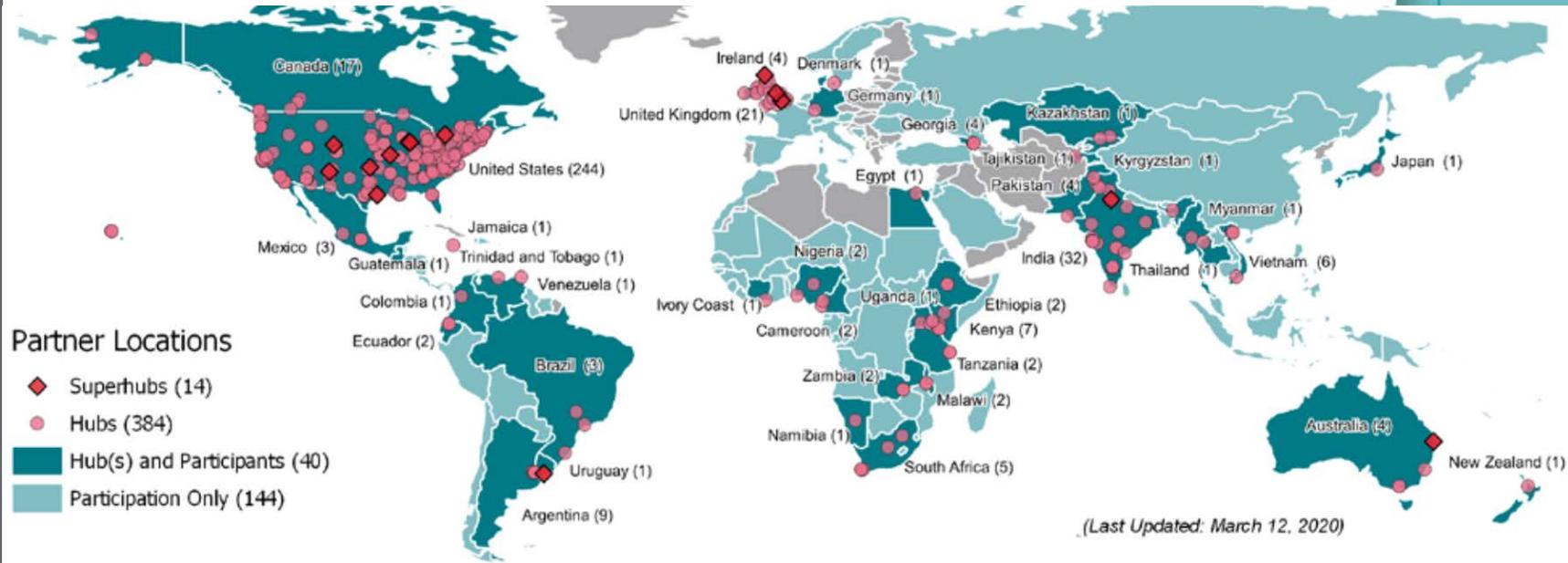


Collaborative problem solving



Right care, right place, right time

## ECHO Hubs and Superhubs: Global



Over 100 complex issues being addressed by 425+ ECHO Hubs in 44 Countries

# Project ECHO Supporting Corona Virus Response

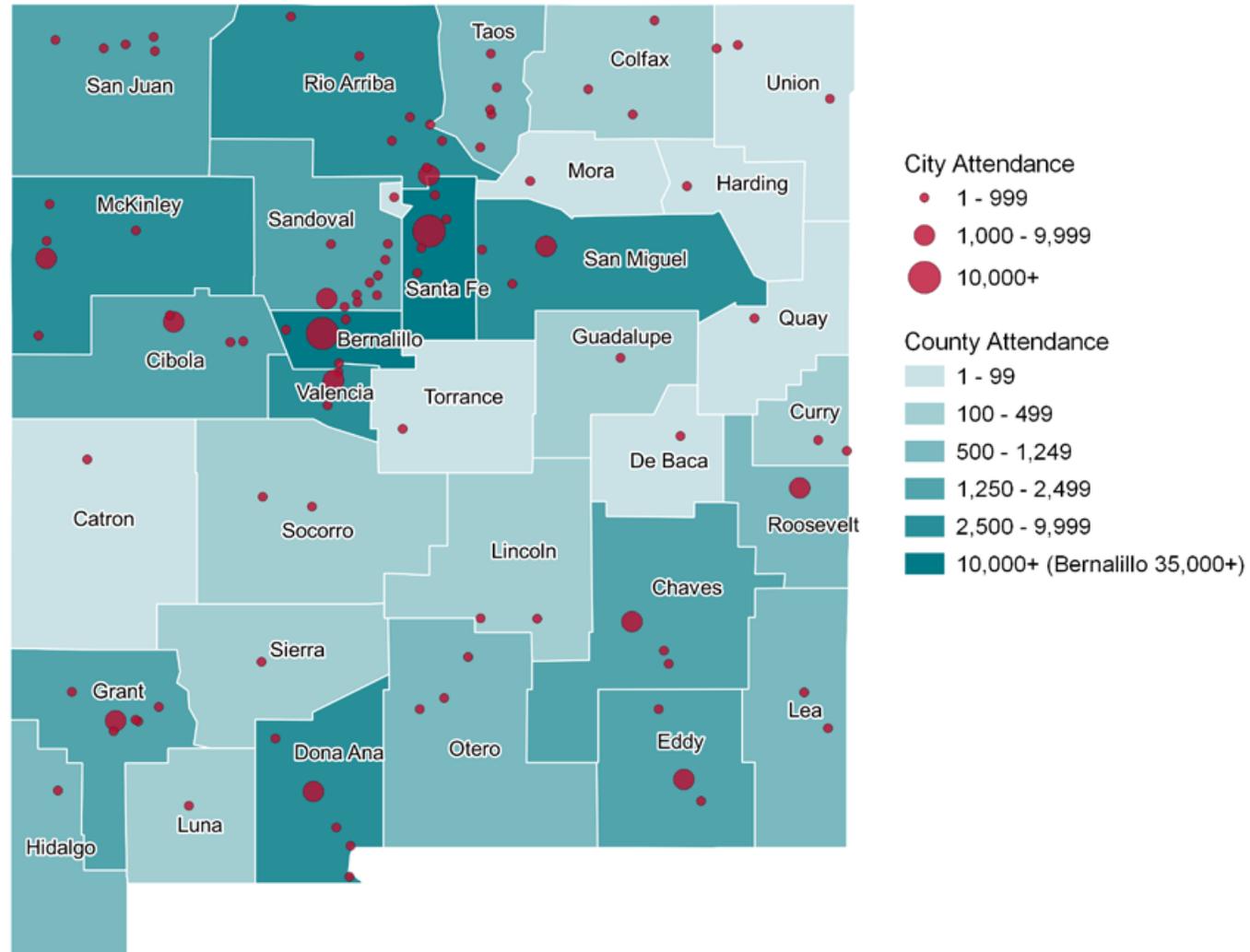
## Why ECHO model has potential to support emergency preparedness:

- **Large existing network** across the U.S. and globally that can be mobilized for spreading of best practices
- **All teach, all learn:** encourages problem solving and multidirectional learning
- **Ongoing telementoring networks:** Allow for ongoing communication and sharing best practices over time.
- **Best Practices:** Can leverage partnerships within network for sharing of expertise and spread
- **Examples:** In Vietnam, ECHO network used for training of

**Example:** On February 2, 2020, the first ECHO training for novel coronavirus (COVID-19) was conducted at the Vietnam National Children's Hospital (VNCH), with participation from 12,000+ health care workers at 257 sites in 29 of Vietnam's 64 provinces.



# All-Time New Mexico Attendance



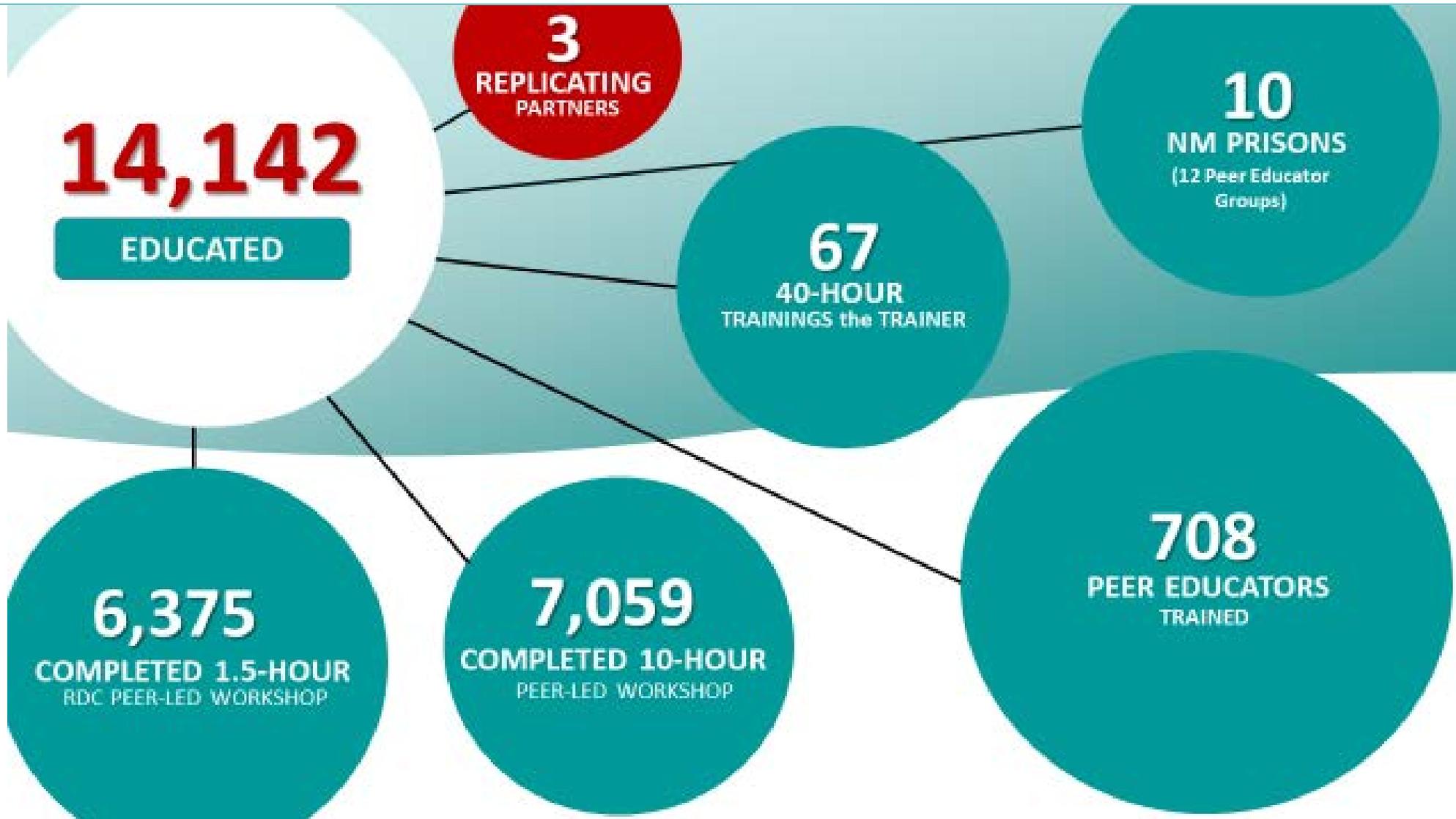
Updated: 3/3/2020



# TeleECHO Programs offered in New Mexico in FY2020

- Antimicrobial Stewardship
- Behavioral Health and Addiction (BHA)
- Bone Health
- Border ECHO
- CDC GHWIC All Hands
- CDC GHWIC Component 2
- Chronic Pain and Opioid Management
- CHW Continuing Education
- CHW PSW Opioid Training Program
- Coronavirus 101 for Community Health Workers
- COVID-19 Infectious Disease Office Hours/Q&A
- Critical Care for the Covid-19 Patient
- COVID 19 Multispecialty ECHO
- El Centro Pain
- Endocrinology
- FAME (Fundamentals of Addiction Medicine)
- First Responder
- Hepatitis C - Community
- Hepatitis C - Corrections
- Hepatitis C - IHS
- HIV IHS
- HIV NM
- Improving Perinatal Health
- Medicaid QIHA ECHO
- Miners' Wellness
- Navajo Nation TB ECHO
- New Mexico Peer Education Program - NMPEP
- NM Covid-19
- NM DOH TB ECHO
- NM DOH TB Infection
- Primary Care Integrated Pain Solutions
- Reproductive Health
- Rheumatology
- US-Mexico Binational TB ECHO

# Example of COVID-19 Response: New Mexico Peer Education Project



# Prisoner Health is Community Health: The New Mexico Peer Education Project (NMPEP)

Providing quality health education and encouraging behavior change in prison settings creates an extraordinary opportunity to improve not only the health of the incarcerated, but also the health of their families and communities.

**Over 95% of incarcerated individuals will ultimately return to their communities, bringing with them the burden of their health needs.**

The New Mexico Peer Education Project (NMPEP), a collaboration between Project ECHO® (Extension for Community Healthcare Outcomes) at the University of New Mexico Health Sciences Center and the New Mexico Corrections Department, leverages the ECHO model™ to make a powerful and lasting intervention in prisoner and prison community health. We train incarcerated individuals to increase their fellow prisoners' knowledge about the most common health conditions impacting prison populations: hepatitis C, HIV and other sexually transmitted infections, staph/MRSA skin infections, diabetes and addiction.

NMPEP peer educators communicate strategies to reduce risk behaviors and become key resources for health information within the prisons. They gain a sense of self-efficacy, responsibility, and leadership which carries over into their post-incarceration lives and the communities to which they return.



NMPEP leverages the ECHO model to make a powerful and lasting intervention in prisoner and prison community health. After intensive onsite training by Project ECHO staff, peer educators are supported in their work through monthly teleECHO™ clinics—videoconference sessions connecting peer educators with a specialist team at Project ECHO, and with peer educators from other prison sites.



## NMPEP Includes



40-hour intensive training for small groups of inmates (12-15), presented by Project ECHO staff.



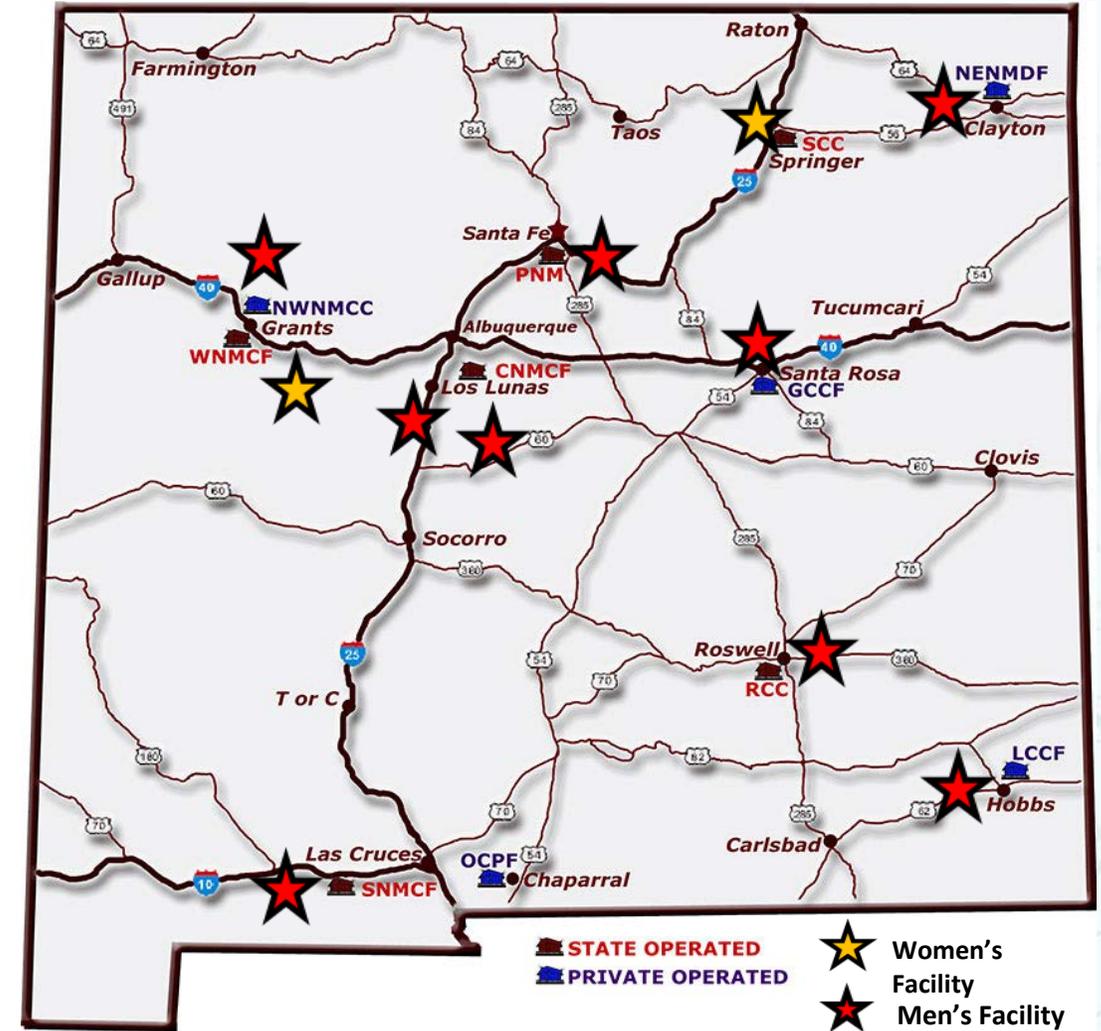
10-hours of health education training presented by Project ECHO trained peer educators for other inmates at their location.



On-going follow-up and training by Project ECHO to continue skill and knowledge-building, and to discuss and problem-solve issues, concerns or barriers the peer educators are encountering.

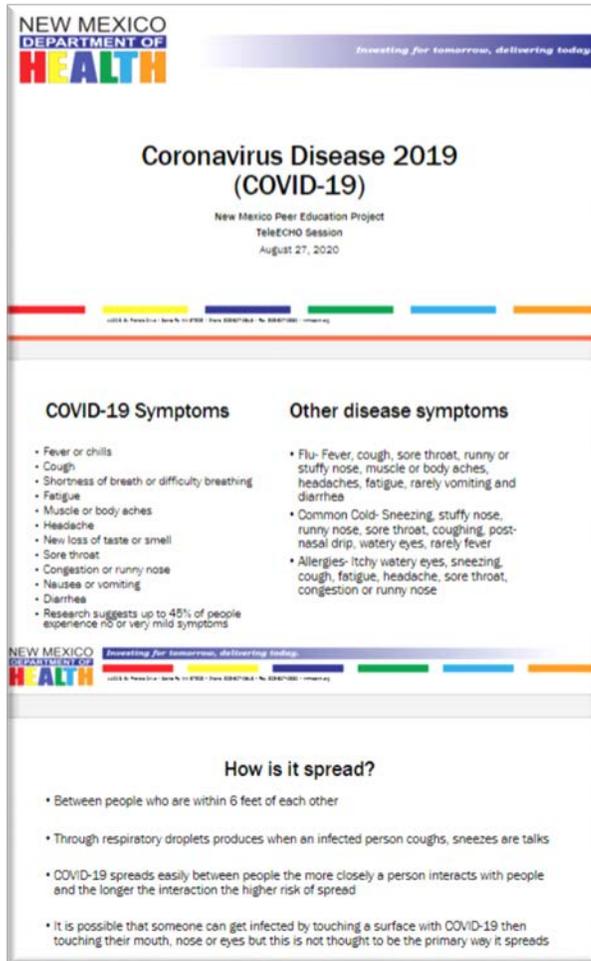


Monthly teleECHO clinics with Project ECHO staff and faculty, content experts, and peer educators from other sites. This monthly videoconference allows peer educators to get medical information, build their resource list and discuss training related questions. This videoconference is an excellent tool to enable opportunities for peer educators to collaborate across the state to share teaching strategies and to problem-solve and address barriers.



 STATE OPERATED  
 PRIVATE OPERATED  
 Women's Facility  
 Men's Facility

# NMPEP's COVID-19 Adjustments



Bi-weekly TeleECHO  
COVID-19 Didactics  
provided by NMDOH



March 26, 2020  
June 11, 2020  
August 27, 2020  
December 10,  
2020

Bi-weekly TeleECHO  
COVID-19 Case  
Presentations



At least once a  
month, Peers  
present a case  
centered around  
COVID-19

COVID-19  
Peer-led  
Workshops

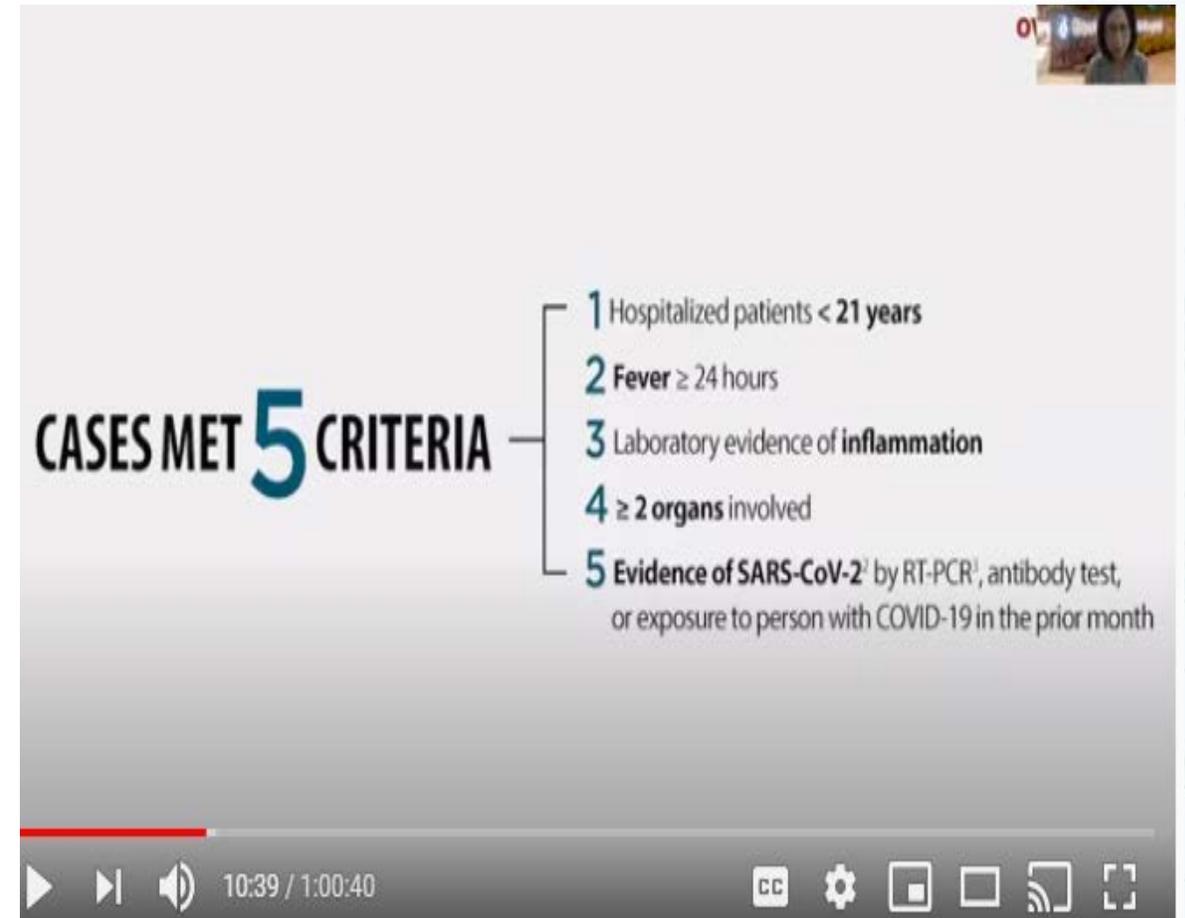


We added a  
COVID-19  
workshop to the  
curriculum that  
follows CDC  
guidelines

# COVID-19 Response: Critical Care and COVID-19

## Thursdays 8-9 (NM)

UNM Health Sciences Center Critical Care Pulmonologist, Dr. Michelle Harkins for case presentations, demonstrations, evidence-guided guest presentations, and research updates related to the practice and ethics of care for patients with COVID-19.

A video player showing a slide titled "CASES MET 5 CRITERIA". The slide lists five criteria:

- 1 Hospitalized patients < 21 years
- 2 Fever  $\geq$  24 hours
- 3 Laboratory evidence of inflammation
- 4  $\geq$  2 organs involved
- 5 Evidence of SARS-CoV-2<sup>1</sup> by RT-PCR<sup>1</sup>, antibody test, or exposure to person with COVID-19 in the prior month

The video player interface at the bottom shows a play button, a progress bar at 10:39 / 1:00:40, and various control icons.

# COVID-19 Response: Flexible ID Office Hours

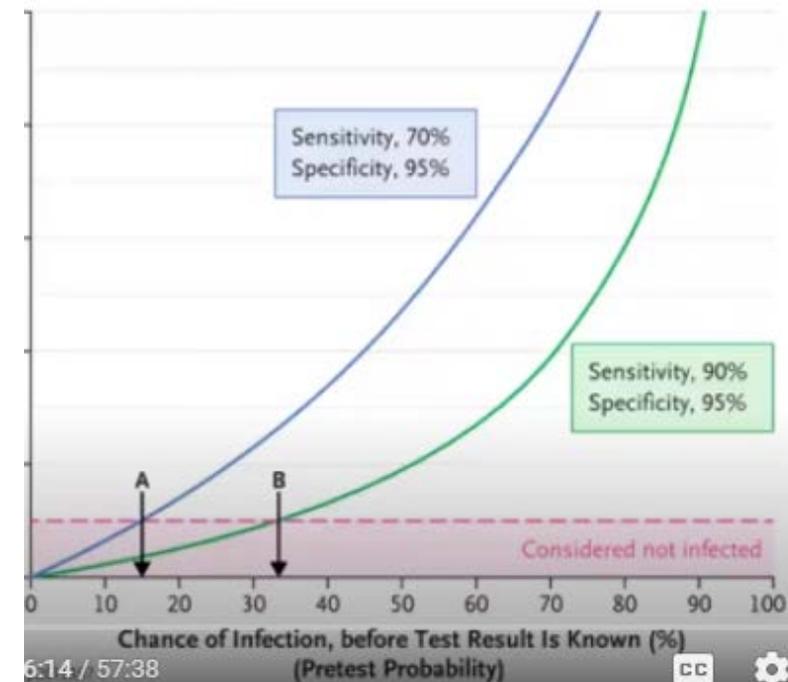
## Mondays 12-1 (NM)

Nestor Sosa, MD, Karla Thornton, MD, Division of Infectious Disease, Marla Sievers, MPH, New Mexico Department of Health, Infectious Disease Epidemiology, and Leslie Hayes, MD, Primary Care and Addiction, El Centro Community Health Care Center.



Oct 19 2020: We had 167 people on the NM COVID Office Hours today and these were 2 of the many statements that people put into the chat!

“I'm addicted to This Week In Virology - it's amazing. That and ECHO are my COVID touchstones”  
“Dr. Sosa seems to know more than what's coming from our medical leaders.”



# COVID-19 Response: First Responder Resiliency

## Mondays 2-3 (NM + National scope)

First responders are the primary frontline professionals responding to emergencies and are the difference between life and death for patients and community members. Continually at risk for physical injury, compassion fatigue, “burn-out,” and PTSD, the COVID-19 global pandemic is impacting First Responders and Frontline Healthcare Workers in unprecedented ways.



**5 Sins of Crisis Communications**

- 1) Communicating information as fact, when in reality, its speculation.
- 2) Delaying communications.
- 3) Trying to please everyone.
- 4) Failure to communicate.
- 5) Lies and half-truths.

RSI  
22:08 / 39:47  
(c) The author, 2020  
Dance Institutes, International, LLC

# Supporting NM's Teachers and the Transition to Virtual and Hybrid Classrooms

## ECHO for Supporting and Inspiring Teachers

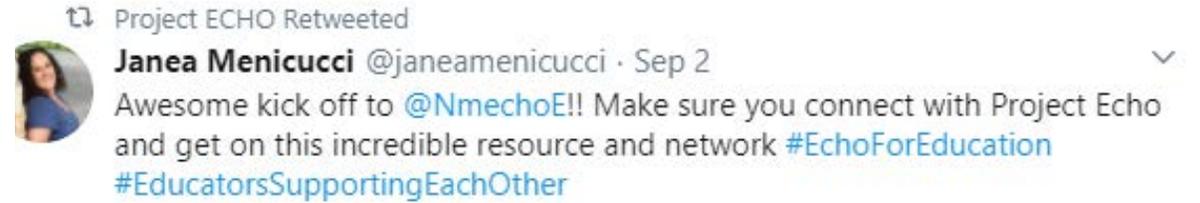
Designed to increase student engagement, this teleECHO program explores effective, ready-to-use, and versatile tools and strategies for K-12 teachers, professional support staff, and school administrators for today's virtual and hybrid classrooms.

[Learn more about ECHO for Supporting and Inspiring Teachers](#)

## ECHO for Social Emotional Learning

Centered on relationships and building on existing strengths of the school communities, this teleECHO seeks to illuminate the path forward for K-12 teachers in virtual and hybrid classrooms.

[Learn more about ECHO for Social Emotional Learning](#)



New Mexico ECHO for Education Project and 6 others

# Key learnings of COVID-19 Response in NM

- Providing trusted expertise, leveraging UNM HSC, state experts, and community specialists to create a dependable community of trusted experts
- Building in time to keep up with changing guidelines and best practices
- Now more than ever: Importance of listening to the needs of the community, responding to their questions and concerns
- Being flexible (how do you have discussion with 500 participants?)
- ECHO networks, once built can be easily adapted to immerging public health issues and priorities
- Partnerships within the University, State Departments, and community leaders are essential
- Continuing to run disease specific ECHO programs (diabetes, opioid addiction, bone health, HCV, HIV) was critical as well to help make sure patients could receive the care they need close to home and by their local providers.

# FY2020 Key Achievements

- During FY2020, the ECHO Institute has operated 34 teleECHO programs in New Mexico, with 3,145 learners from 809 organizations.
- For COVID-19 Project ECHO has reached over 500,000 global learners.
- Launched 6 programs specifically to serve New Mexican providers, and over 5 new global teleECHO programs specifically to address COVID-19 as well as launching a dedicated website to house all of ECHO's COVID-19 programming and materials, <https://echo.unm.edu/covid-19>.
- Since January 2020, there have been 49 published on Project ECHO, 6 of which were authored by UNM Faculty and staff. In 2019, there were 71 peer-reviewed articles published on the ECHO model, with 11 being authored by UNM Faculty and staff. Since its inception in 2003, there have been 266 journal articles on Project ECHO and ECHO related programs published.
- There are currently 14 ECHO Training Centers (superhubs): 6 Domestic Centers, 6 International Centers (5 Countries, including US) 391 hubs: 241 Domestic hubs, 149 International hubs (38 Countries, including US).

# Benefits to the State of New Mexico

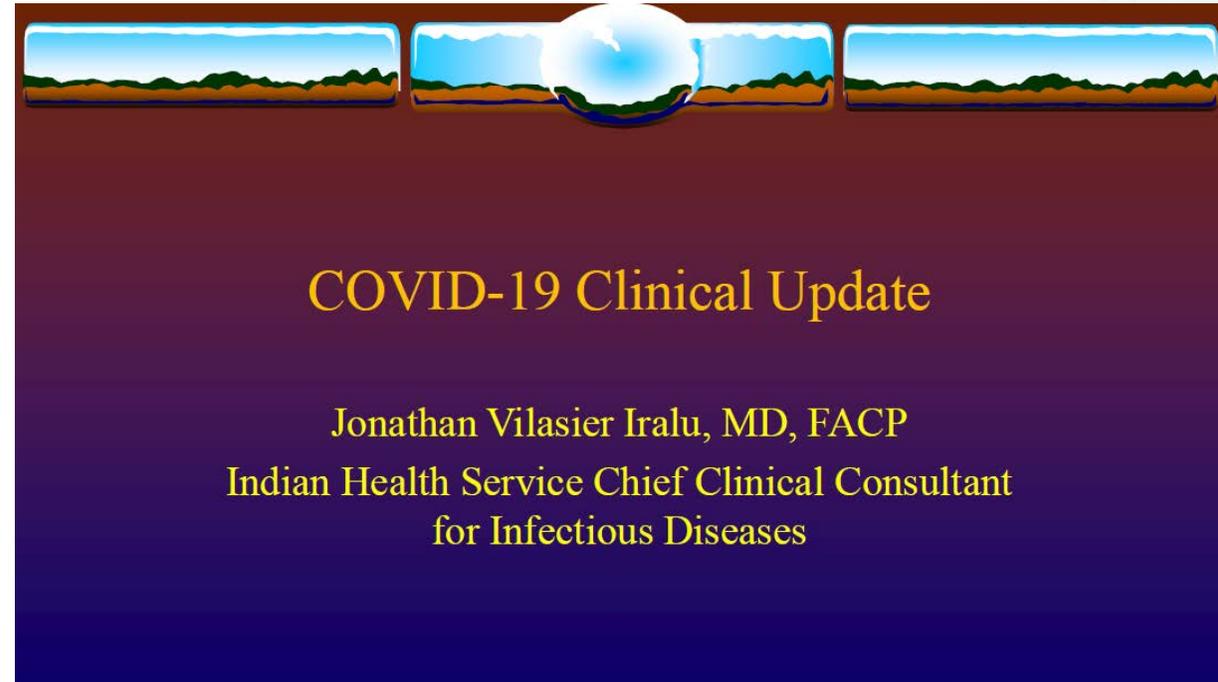
- Well-trained and supported community clinicians supplying the right medical care in the right place at the right time, freeing specialists to see the most complicated patients, saving money and improving access for the majority of patients seen in the community setting.
- Downstream cost savings that result when best practice care is provided in a timely, coordinated fashion.
- Workforce development for our State, which is facing a severe shortage of trained providers at all levels.
- Teaching, research and visibility enhancement for our State
- A vehicle for economic development and self-sufficiency in rural areas, as participating clinics are better able to retain their medical providers and serve patients locally, keeping those revenues local and avoiding wasting of productive time for the workforce.

# COVID-19 Response: ECHO and IHS

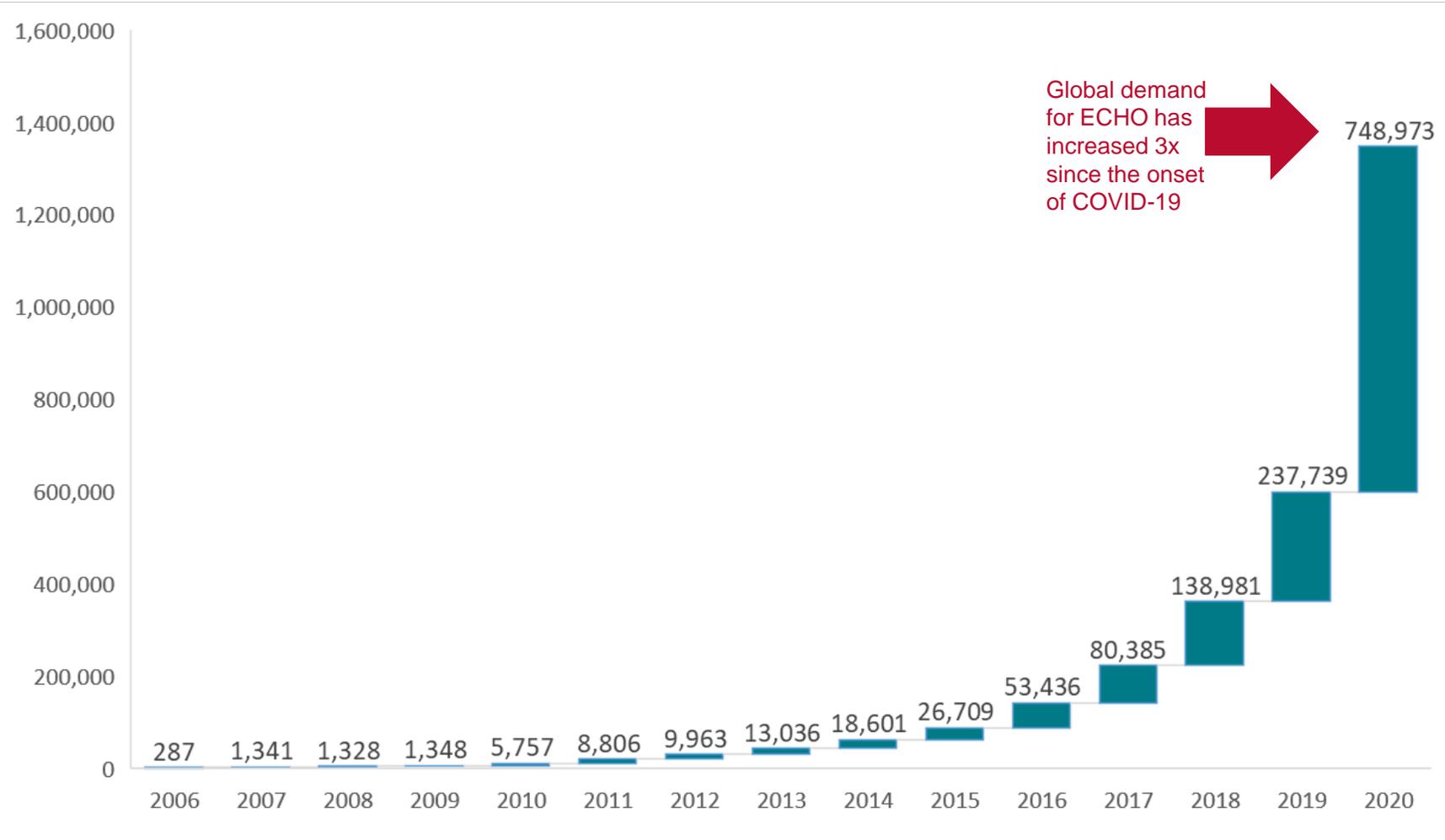
The ECHO Institute and the Indian Health Service (IHS) launched weekly COVID-19 Clinical Readiness and Patient Care ECHO sessions on March 17, 2020 in response to the pandemic in Indian Country.

These sessions convene IHS and tribal providers from around the U.S., many working in rural areas with limited resources, in crucial real-time, peer-to-peer clinical learning.

During each session, IHS leadership from Rockville, MD shares the federal-level perspective and, in turn, has the opportunity to hear from providers in the field. IHS national clinical consultants for Emergency Medicine and Infectious Disease present and lead discussions on topics including COVID-19 clinical updates, situation reports, and local area response.



# Growth of Global Demand for Project ECHO<sup>®</sup>



Prior to COVID-19, ECHO was being used by a growing global network of over 400 leading health and healthcare organizations to rapidly expand the expert capacity to treat more than 70 chronic diseases and health conditions in 154 countries.

When the pandemic was declared globally early in February, over 50% of the ECHO Global Network pivoted away from running their normal teleECHO programs and used their ECHO Networks to provide COVID-19 updates and training. As of October 1, globally ECHO has delivered about 1.4 million hours of COVID-19 training to 750,000 doctors, nurses, first responders, ICU & critical care specialists, testing & laboratory personnel, community health workers, hospital & clinic administrators, and public health officials in 158 countries.

About the Data: this chart represents the activities of about 75% of the 400+ hubs in the ECHO Global Network. We are continuing to collect data to get a more complete view of the global demand for ECHO.

**Thank you for  
your support!**

