The mission is to expand the capacity to provide best practice care for Addiction mental health among health care professionals and assess the outcome in India.
Video conference Presentation by Project ECHO, USA Erika Harding, MA Director of Replication Initiatives ECHO Institute/Project ECHO® University of New Mexico Health Sciences Center
Addiction is emerging as a serious public health problem. Huge treatment gap due to lack of skilled resources (mhGAP 2008). Significant disparity in the standards of the care and underutilization of the treatment (Ray et al 2004, Murthy et al. 2010). Explosion of scientific knowledge in this area. Suggestion that learners from India are quick to adopt technology.
Objectives: Capacity Building

- Reduce the variations in standard of care
- Sharing of “best practice” models
- Sharing of “wisdom” along with “clinical practice guidelines”
- Continued ongoing “Handholding” and developing a “Learning loop” rather than a single or few sessions
Training session
- Onsite for one week to two weeks
- Limited numbers
- Outcome and effectiveness
- Knowledge based
- Lack of continues process
- Direct and indirect cost

NIMHANS tele ECHO weekly session
Continuous interactive process helps to build the skills
Expert team of addiction is there to help
Wisdom as well as knowledge
Easy to monitor outcome and follow up
High impact, low cost
Useful for addiction, a public health problem

Easy to access: no cost to participants
How it runs?

- Runs in a secure cloud based platform
- Password protected accessibility
- Compatible with all devices including android or iOS mobile devices
- High definition and recording provision
Format: Ongoing Weekly sessions at Tuesday 2PM-4PM

- Clinical Case Clarification, Suggestion on Management
- Tentative follow up presentation after about 4 weeks
- Learning from the case

Didactic
- Presentation of relevant topic by Experts
- Sharing of latest knowledge
NIMHANS ECHO (Video clip)

- Case discussion

Didactic
Linked with Certificate Module

- Integrated an e-learning component with this
- Online access to the different modules
- Post module quiz and certification
- Can be assessed anytime and completed online
Benefits to clinicians

- Professional interaction with colleagues with similar interest
- Link with an academic tertiary centre, less isolation with improved recruitment and retention
- Access to specialty consultation with other neuropsychiatric disorder
  (Patient with Seizure, Alcohol addiction and mood disorder with interpersonal problems: Neurologist, addiction psychiatrist, adult psychiatrist and psychiatry social work/counsellor)
- Receive credit points and recognition
Effectiveness: short term

Chand et al. 2014 IEEE xplore digital library
Profile of the participants n=243

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<th>80%</th>
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Impact: Opioid Use disorder module (%) (8 weekly session July August 14)

Baseline: N=60  Two months: N =44
Impact : Opioid Use disorder module (%) (8 weekly session July August 14)

Substantial Increase in confidence from baseline
Impact of NIMHANS ECHO: Opioid treatment facility at Raipur, Chhattisgarh

Regular ongoing participation of an Opioid treatment module
(8 weekly sessions July-August 2014)

* discussion with team of experts build their confidence
Assured that they can fall back on us
Provided the details SOP for opiate treatment protocol

Increase in confidence of treating opiate addiction
Initiated Buprenorphine treatment clinic on World Mental Health Day on October 10th at Raipur

Opioid addicted patients need not to travel to other centres
Receive best care as equal to NIMHANS at their native place

Clinician
Positive sense of being clinically guided by the team of addiction expert from NIMHANS which builds their self-efficacy and keep them up-to-date
He can connect to the weekly NIMHANS ECHO for any difficulty
Conclusion: SWOT analysis

**Strength**
- Skill transfer i.e. case based learning
- Works well among like-minded team (area of interest)
- Ongoing interactive process i.e. weekly teleECHO session
- Knowledge sharing
- Cost effective model for resource poor country (approx. 100000 for setting up and very low recurring cost)
- Technology friendly

**Weakness**
- Cannot replace the face to face discussion although complement
- Concern of all the participants difficult to handle
- Restrict the numbers

**Opportunities**
- Can be used in various preventive, promotive and curative area including child, geriatric mental health etc.
- Integrating into a course curriculum
- CME credit system

**Threats**
- Sustainability of interest of the team
- High speed broadband penetrations

**Team work:**
People behind VKN NIMHANS ECHO

Building great innovation depends on great people

NIMHANS
P Satishchandra
Ravi V
Mathew Varghese
Pratima Murthy
Vivek Benegal
Prabhat Chand

Arun K
Vivek Gupta
Deepak J
Lakhmanan S
Sindhu S
All our trainee

Project ECHO
Sanjeev Arora
Miriam Komaromy
Eika Harding and team

Financial Support
Drug Deaddiction Programme
Ministry of Health
Government of India & NIMHANS

Technical Support
Centre for Public Health & Health Education NIMHANS

Also all our partners and participants

Thanks for contributing their time free of cost for this innovation in addiction mental health
Provide Access to Health Professionals to the Best and Up-to-Date Knowledge, Wisdom and Skills in the area of Addiction and Mental Health Disorders

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