

EVALUATING THE FEASIBILITY OF VIRTUAL MENTORING
CONNECTING AN ACADEMIC CENTRE TO DISTRICT HEALTH
PROFESSIONALS FROM BIHAR IN PROVIDING QUALITY CARE FOR
ALCOHOL USE DISORDERS

Jayant M, Lekhansh S, Ashfaq A, Sunil K*,
Narendra Sinha*, A K Shahi*, Prabhat C, Arun
K, Lakshmanan S, Pratima Murthy, Vivek
Benegal, Miriam Komaromy#, Sanjeev Arora#

***State Health Society Bihar**

ECHO Institute USA

**Centre for Addiction Medicine, Dept. of
Psychiatry, NIMHANS**



**VKN
NIMHANS ECHO HUB**

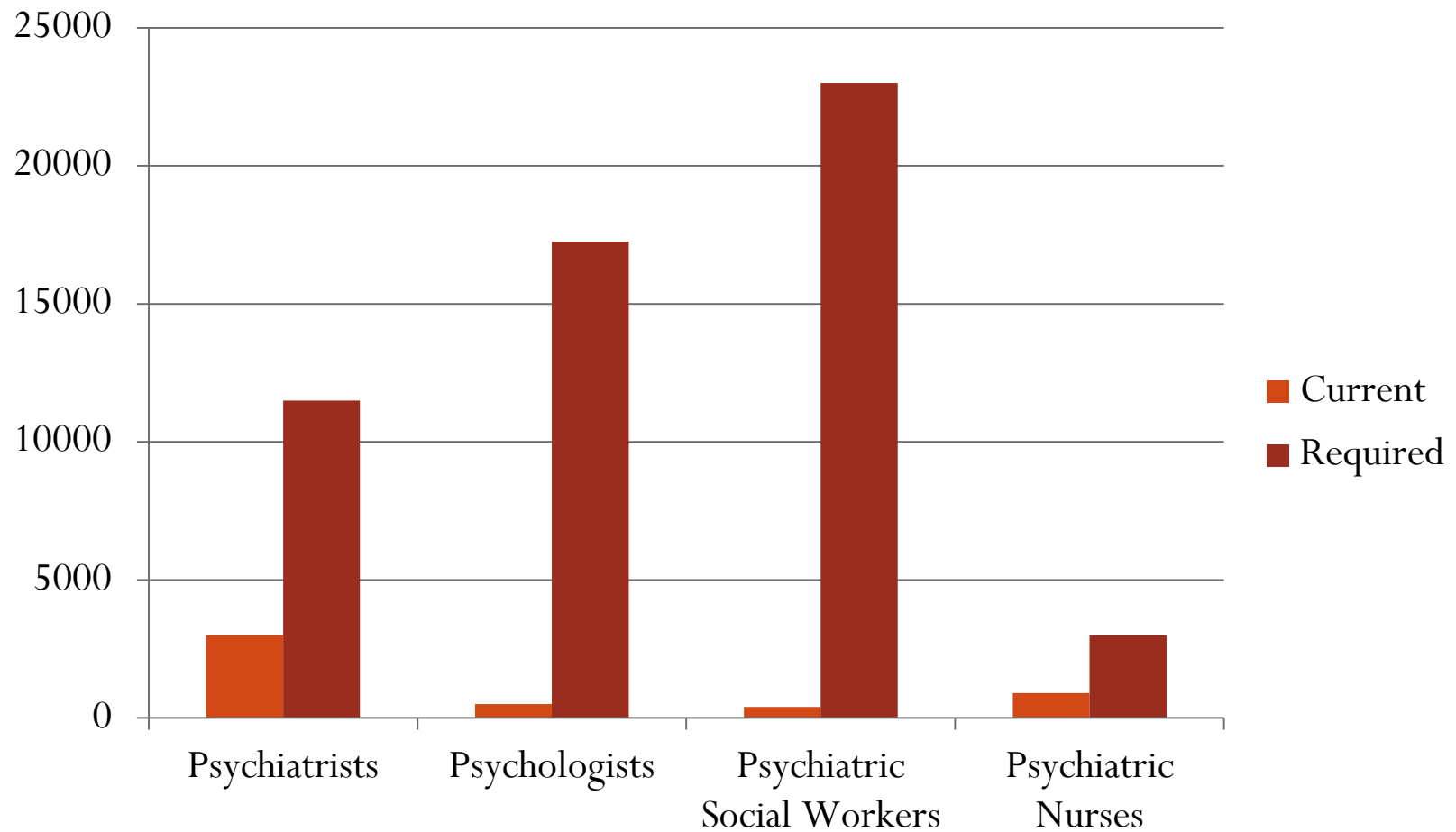


For details visit <http://vlc.nimhans.ac.in>



VKN NIMHANS ECHO SPOKE

Shortage of skilled mental health professionals in india



Goel et al. 2003

NEED OF THE HOUR

**NEW MODELS
FOR
CAPACITY BUILDING
AND
DELIVERY OF QUALITY CARE SERVICES**

CAN TELEMENTORING BE A SOLUTION ?

Aims

1. To enable the Medical Officer and Counsellor to:

- Identify and intervene in cases with alcohol use disorder and addiction in the district hospitals
- Discuss clinical cases and attend expert didactics with the NIMHANS multi-disciplinary team from their work place through Virtual Knowledge Network (VKN) NIMHANS ECHO online platform

Aims

2. To assess the outcomes of training on clinician's confidence in identifying and intervening in cases with alcohol use disorders
3. To obtain quantitative data with regards to profile of cases and interventions provided

Methods – Blended training

22nd Feb-7th March (ONSITE)

ONSITE Training
Centre for Addiction
Medicine

NIMHANS

Participation
Certificate

Training certificate
part 1



Virtual Knowledge Network (ONLINE LIVE)
(March to September fortnightly)



Handholding

2nd and 4th Wednesdays
2.30 PM-4PM)



Training
Certificate

**FINAL
CERTIFICATE***

Based on regular participation (>75%) in the online component and a minimum of 4 Case Presentations to be eligible for a FINAL ONLINE assessment to receive an e-certificate of training in Alcohol addiction

Onsite training

- ✓ Didactic Lectures
- ✓ Bedside clinical teaching
- ✓ Emergency case management
- ✓ Supportive followed by independent case management
- ✓ **Working in a multidisciplinary team**
- ✓ **Learning best practices**
- ✓ **Training about public awareness dissemination**
- ✓ **Steps to initiate the de-addiction services in their district**



Online training - Virtual Knowledge Network (VKN) NIMHANS ECHO

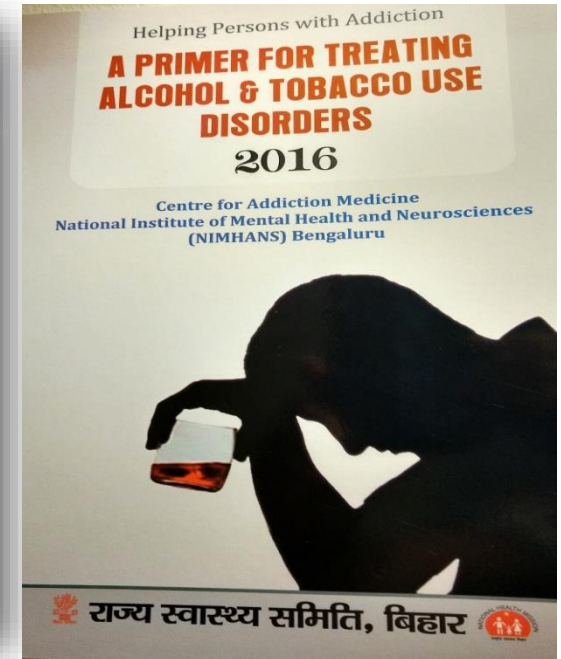
- Sharing “**best practices**” to reduce disparities
 - “**Case based learning**” to master complexities
 - Using “**Technology**” to leverage scarce resources
 - “**Web based**” database to monitor outcomes
- Video



*HUB and SPOKE weekly tele-Health sessions, can be assessed by Spoke through any internet enabled device including smartphone or tablets without any cost.
The cloud based platform is a secured and HIPAA compliant*

Best practices

The screenshot shows the website for the National Institute of Mental Health and Neuro Sciences (NIMHANS) Virtual Knowledge Network - NIMHANS Centre for Addiction Medicine. The page features a navigation menu with links for Home, MISSION, VKN NIMHANS Team, Modules, NIMHANS - ECHO, Testimonials, and VKN Launch Gallery. Below the navigation, there is a search bar and a simple calendar for October 2016. The main content area includes the title "Nimhans Bihar ECHO" and several logos, including the Virtual Learning Centre, the NIMHANS logo, and the State Health Society, Bihar logo. The text below the logos reads "NIMHANS BIHAR ECHO BLENDED TRAINING AND e-HANDHOLDING" and "BACKGROUND Skill Building in treatment of Alcohol and Tobacco use Disorders".



Standard practice & Treatment Guidelines, Videos and Powerpoints (http://bit.ly/nimhans_bihar_echo)

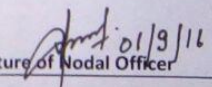
Assessing Outcomes of VKN NIMHANS BIHAR ECHO programme

- Self rated questionnaire – At Baseline, 3 months and 6 months (Assess knowledge, skills and self efficacy)
- Clinical reporting forms – Number of patients seen, interventions provided and outcomes daily and monthly

Reporting Format

Health Department, Govt. of Bihar
DE-ADDICTION CENTER
DAILY REPORTING FORMAT

Name of the District: - <u>EAST CHAMPARAN</u>					Date:- <u>31-8-2016</u>	
Name of the Facilities: - <u>DAC, Sadar Hospital</u>					8 AM to 8 PM	
S.NO	Indicators	Male	Cumulative	Female	Cumulative	Total Cumulative
1	No. of patient registered in OPD	0	274	0	0	274
2	No. of follow up cases	1	221	0	0	221
3	No. of cases having AUDIT score:- 8-15	0	38	0	0	38
4	No. of cases having AUDIT score:- 16 & above	0	142	0	0	142
5	No. of cases of simple alcoholic (only counselling with pamphlet)	0	33	0	0	33
6	No. of cases of simple /uncomplicated withdrawal counselling & treatment at OPD	0	261	0	0	261
7	No of cases of simple withdrawl /uncomplicated withdrawl Admitted (IPD)	0	45	0	0	45
8	No. of cases of complicated withdrawal/Delirium tremens Admitted(IPD).	0	5	0	0	5
9	No. of relapse cases reported	0	1	0	0	1
10	No. of cases prescribed anticraving drug	1	140	0	0	140
11	No. of discharge	0	47	0	0	47
12	No. of cases of other substance abuse(other than alcohol)	0	33	0	0	33
13	No. of cases referred to Medical College/Higher Centre	0	16	0	0	16
14	No. of cases referred to NGO for Admission/Rehabilitaion	0	0	0	0	0
15	No. of people died (Alcoholic related death)	0	0	0	0	0
	a) DAC					
	b) Field/Community					


 Signature of Nodal Officer

Reporting Format

Health Department, Govt. of Bihar

D-10

DE-ADDICTION CENTRE

DE-ADDICTION MONTHLY REPORTING FORMAT

Name of District : *EAST CHAMPARAN*

Reporting Month : *August 2016*

Name of Facility (DAC/PHC) : *DAC*

Reporting Year : *2016-17*

Sl. No.	OPD		In Patient Admitted		No of Discharge								Total Discharge	
	Male	Female	Male	Female	Discharge		LAMA		Absconding		Death			
					Male	Female	Male	Female	Male	Female	Male	Female		
1	17	0	10	0	12	0	0	0	0	0	0	0	0	12

Type & No. of cases :

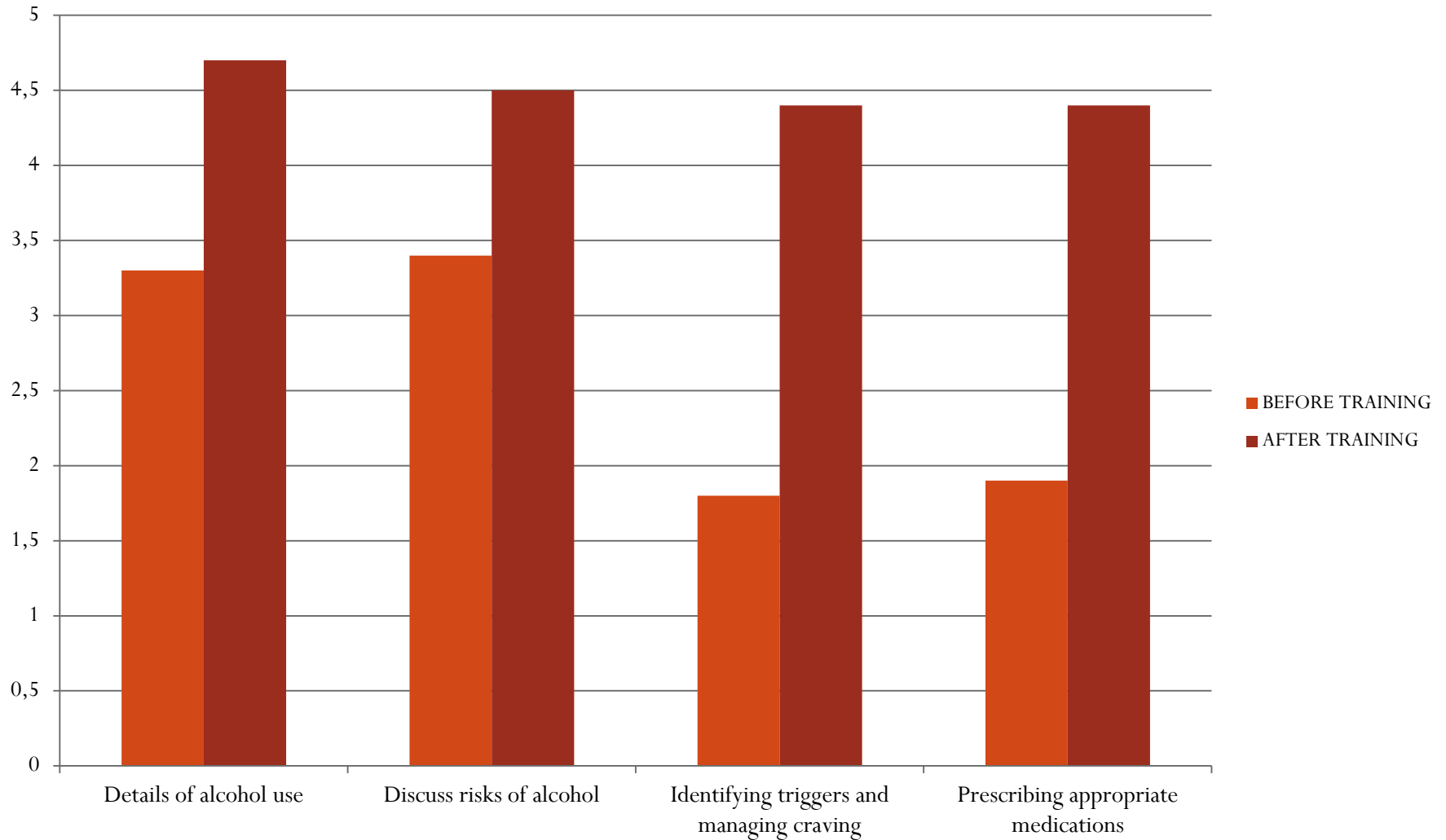
	Male	Female	Total
1. Simple Alcoholic (Only counselling)	0	0	0
2. Simple Withdrawal	10	0	10
3. Complicated Withdraw/Delirium tremens	1	0	1
4. Relapse	1	0	1
5. Craving (Long term Pharmacotherapy)	21	0	21
6. Other Substance Abuse Cases	2	0	2

Remarks/Comments : *2 extra discharge shown is from last month admitted.*

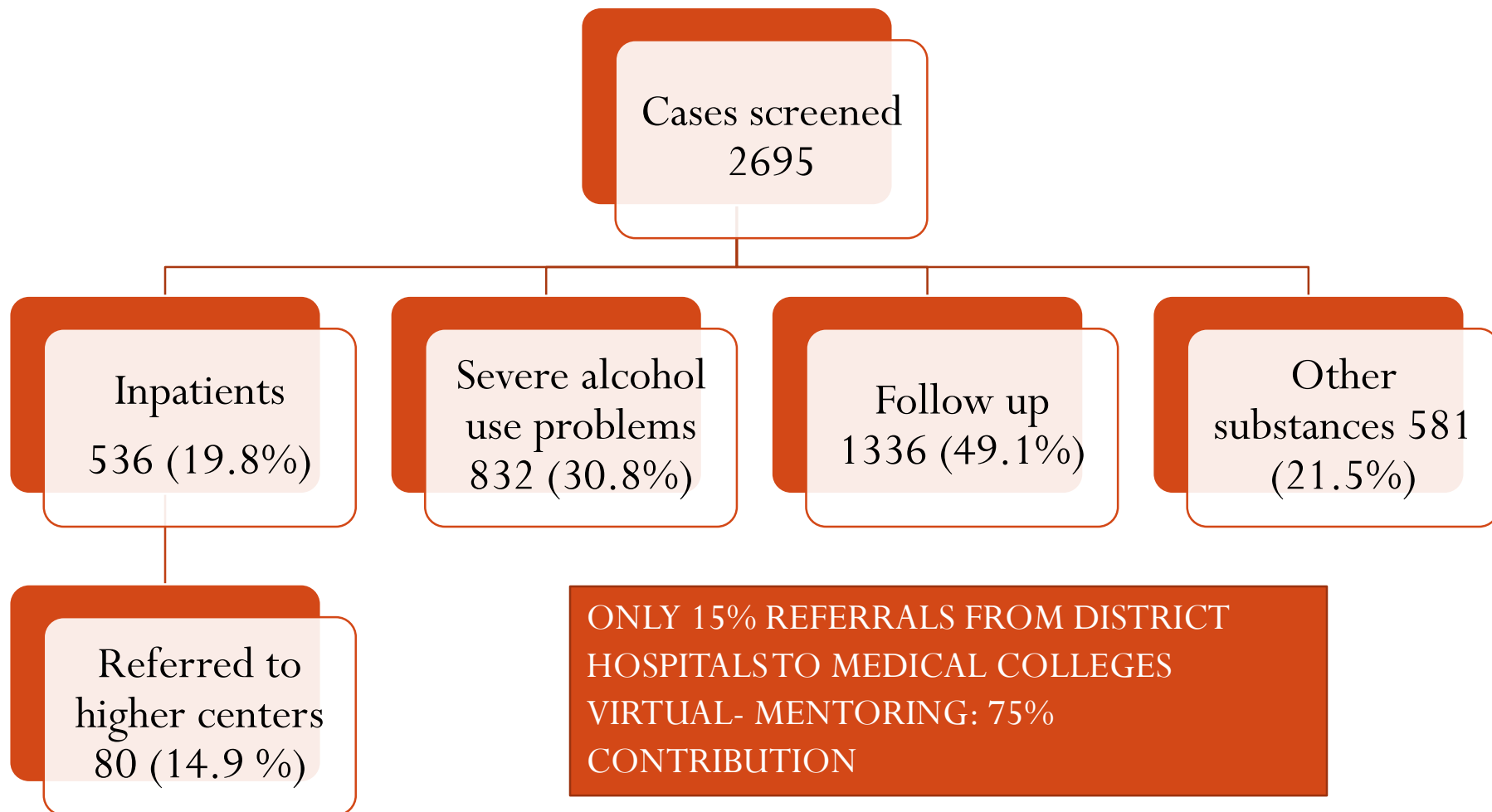
Signature of Nodal Officer (DAC) *[Signature]* 01/09/16

Date :

Results: VKN NIMHANS BIHAR ECHO Clinicians Knowledge Skills and Abilities in Management of Alcohol Use Disorders



Results: Outcome of Treatment of Alcohol Use Disorders by VKN NIMHANS BIHAR ECHO Clinicians



Lessons learnt

- Training with virtual mentoring/handholding to district (community) health professionals is feasible, acceptable and likely to translate to a good standard of patient care
- Relatively low cost
- Importance of involvement of local leadership

Challenges

- Clinical –
 - Need for availability of a dynamic clinician cum teacher and a dedicated multidisciplinary team
 - Systems to respond to urgent needs of clinicians on the ground
- Technological –
 - Better and subsidized high speed internet connectivity
- Pedagogical –
 - Sustaining interest of health care providers

Moving forward

- Emergence of other substance use – Need for expertise in treatment of the same
- Medical Officers from district deaddiction centres from Bihar to undergo program of blended training in management of other substance use disorders
- Onsite training – Two batches of doctors to undergo 10 day hands on training
- One year on-line mentoring of these to be done by NIMHANS using VKN

Outline: Going to be same

Project VKN NIMHANS DRUG ECHO Phase II



Onsite 1-10th
March & 1st to
10th April

Bangalore & Patna



Virtual



Social media



E-learning



Video call



Acknowledgements

- Dr. Prabhat K Chand, Additional Professor, Department of Psychiatry, NIMHANS
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QUESTIONS ?
