

Telemedicine Today

Dr SK Mishra

MS, DNB, FACS

Prof & Head, Department of Endocrine Surgery

I/C School of Telemedicine & Biomedical Informatics

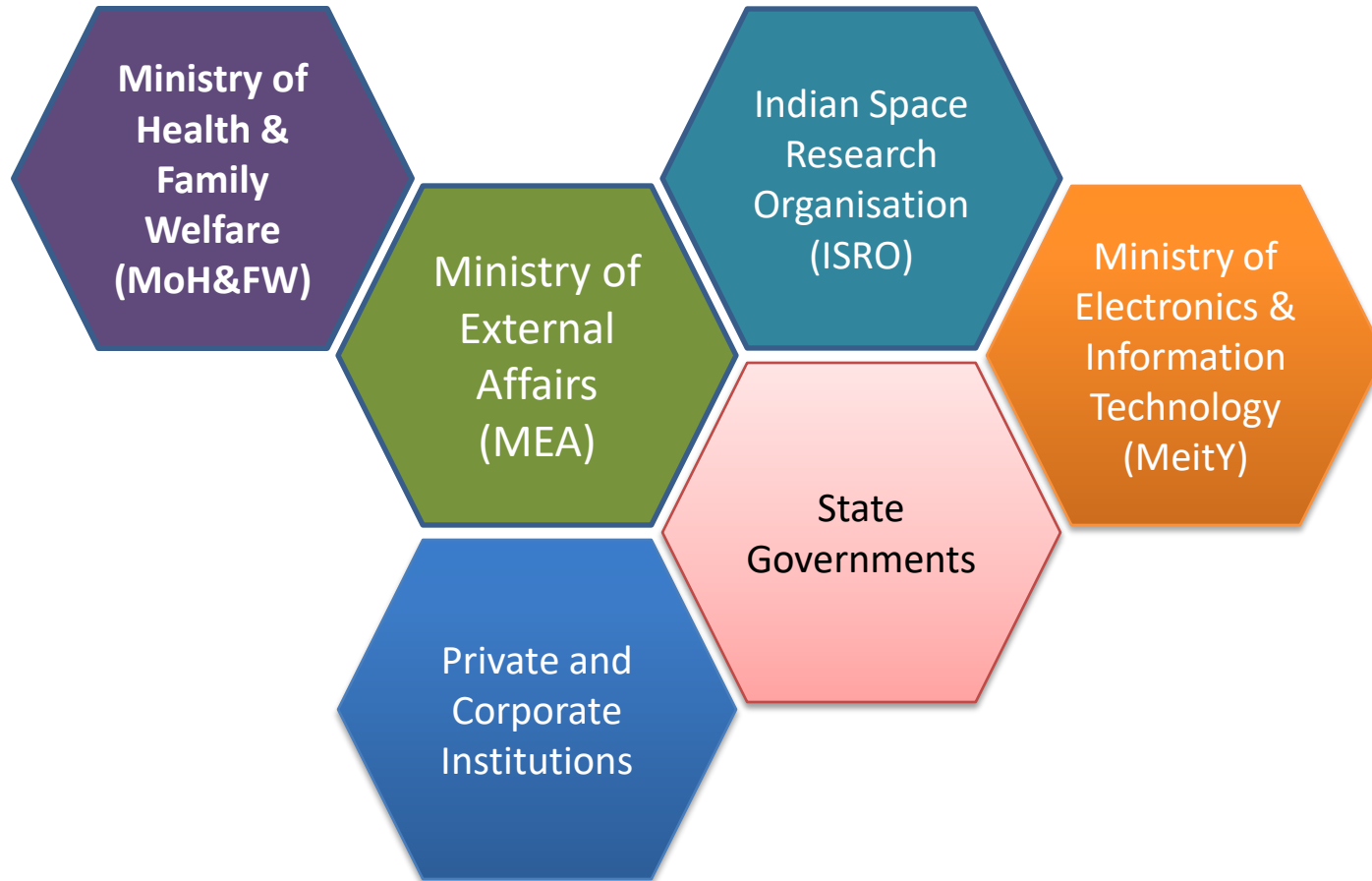
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, India

Member, e-Health Technical Advisory Committee, WHO, Geneva

India Telemedicine Today



Implementing Agencies



National Health Policy 2017

NATIONAL HEALTH POLICY

2017



सत्यमेव जयते

<http://mohfw.gov.in/sites/default/files/9147562941489753121.pdf>

Legal & Ethical

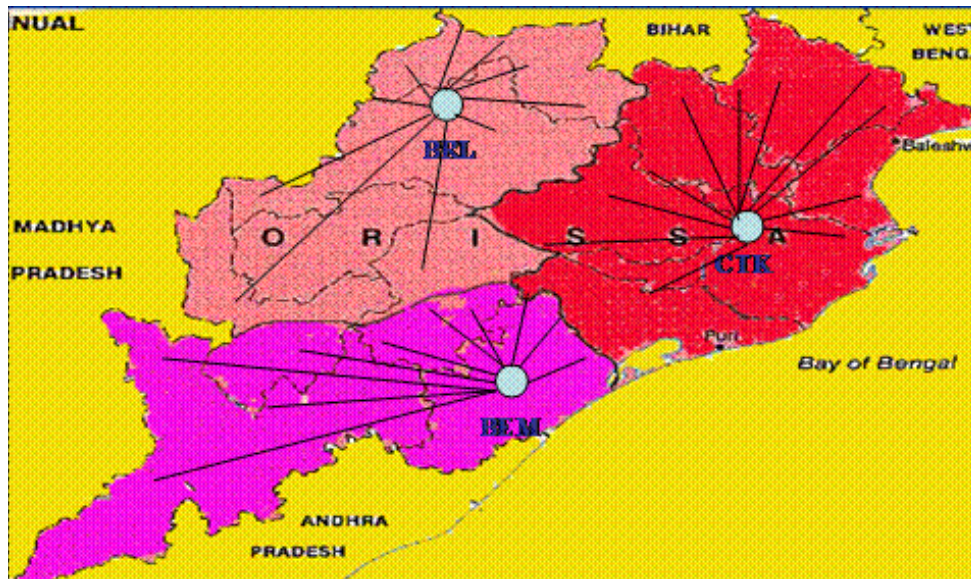
For Patient: Privacy,
Confidentiality,
Right to avail required treatment- expertise
Informed Consent

For Doctors: Responsibility of treatment
Data use for treatment and research
Privacy, Confidentiality maintenance
Commitment to meet the patient directly if needed
Local condition adaptation

For service providers and administrator:
Cross –border cultural, language differences consideration
Responsibility for right transmission of conferencing,
of data
and storage
Consideration of Doctor's: Expertise,
Availability
Willingness

State Wide Telemedicine Network

- Punjab Telemedicine Network
- Maharashtra Telemedicine Network
- Odhisha Telemedicine Network



NRHM Maharashtra



Govt. of Maharashtra

HEALTHY VILLAGE, HEALTHY NATION

NATIONAL RURAL HEALTH MISSION, MAHARASHTRA
STATE HEALTH SOCIETY, MAHARASHTRA



Marathi Website

HOME | ABOUT NRHM | PROGRAM COMPONENTS | NRHM PROGRAMS | INFRASTRUCTURE FACILITIES | SITE MAP | CONTACT | RIGHT TO INFORMATION

» Telemedicine Project

Telemedicine is a rapidly developing application of information technology through computer networks for the purpose of consulting, and so on. Telemedicine may be as simple as two health care providers using telephone and video-conferencing equipment to conduct a consultation. Telemedicine was first started in Maharashtra for four districts in 1996. Government of India and Municipal Corporation of Mumbai have set up five hospitals in state through specialists from

Health institutes included for Telemedicine Project

Sr. No.	Type of node	Phase-I (2007-08)
1	Controlling node	0
2	Specialist node	1
3	Patient node	5
	Total	6

IMPROVING AVAILABILITY OF CRITICAL MANPOWER	▶
COMMUNITIZATION OF HEALTH CARE DELIVERY SYSTEM	▶
PROVISION OF IMPORTANT FACILITIES IN HEALTH INSTITUTIONS	▶
TELEMEDICINE PROJECT	▶
AYUSH	▶
TRAINING AND CAPACITY BUILDING	▶
STRENGTHNING OF NURSING SERVICES	▶
SCHOOL HEALTH PROGRAM	▶
SERVICES FOR TRIBAL AND LEFTIST EXTREMISM AFFECTED AREAS	▶
PLANNING, MONITORING AND EVALUATION	▶
IEC ACTIVITIES	▶
INNOVATIVE SCHEMES	▶
MANAGEMENT STRUCTURE	▶
RCH	▶
PCPNDT	▶
MMU & EMS	▶

Telephone, the Internet or other means. Telemedicine project is implemented in various places. Telemedicine project is implemented by ISRO, Department of Space, Government of India to provide telemedicine services to

All the Controlling and speciality nodes (6) are situated in Medical Colleges as follows and 27 patient nodes out of 23 are District Hospitals, 4 are Sub District Hospital and New 30 Sub District Hospitals.

All 6 speciality nodes

(1) K.E.M. Hospital Mumbai,

(2) Sir J.J. Hospital Mumbai.

nrhm.maharashtra.gov.in/nursingschool.htm

<http://www.nrhm.maharashtra.gov.in/telemed.htm>

Upcoming National Telemedicine Projects

- National Medical College Network over National Knowledge Network Fiber Backbone

<http://www.nrct.in/nmcn/>

- Rural Telemedicine Network over National Optic Fiber Network

http://iii.gov.in/index.php?option=com_content&view=article&id=397&Itemid=265

- National Cancer Network

<http://onconet.nic.in/>

- National Tele-ophthalmology Network

http://meghealth.nic.in/tenders/Teleophthalmology_guidelines_2012.pdf

Indian Space Research Organization

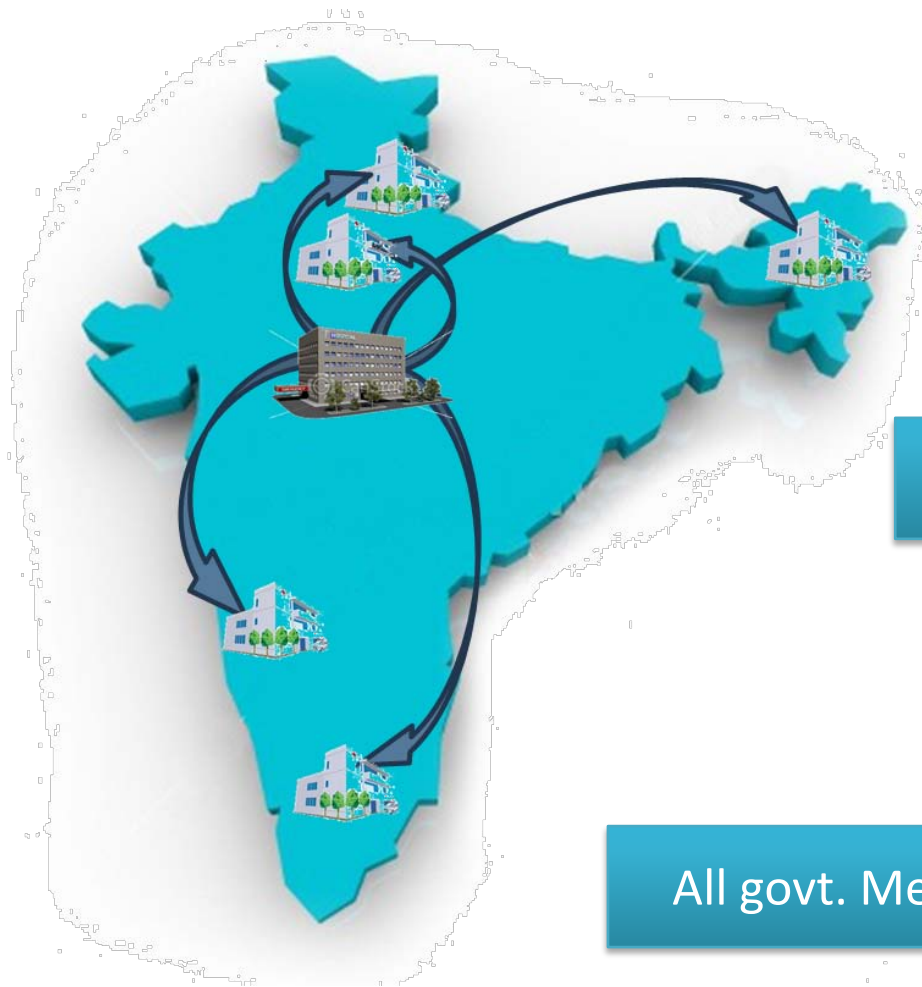
Since - 2001

- ISRO has established total 382 Telemedicine Centers till date
- Super-specialty Hospitals : 73
- District hospitals-Patient end : 280
- Super-specialty + patient end: 13
- Telemedicine Mobile Vans: 16
- Operational Model: fully sponsored

www.isro.org/scripts/telemedicine.aspx



National Medical College Network (NMCN)



01- National Resource Center

School of Telemedicine & Biomedical Informatics, SGPGIMS

06 Regional Resource Center

All govt. Medical Colleges

Telemedicine Applications



Tele-Surgery



Tele-OPD



Tele-Clinic



Tele-Followup

Tribal Telemedicine at Himanchal Pradesh

- Public Private Partnership (PPP) Model
- Apollo Tele Health services is providing 24/7, quality, affordable, remote health care, to 34,000 citizens of **Lahaul and Spiti** (height of 14,000 feet in the Himalayas) in **Himachal Pradesh**.
- People living there connected through satellite to specialists of Apollo Hospital sitting in New Delhi and Hyderabad.

<http://caho.in/?p=3754>

Telemedicine in the Himalayas: Operational Challenges—A Preliminary Report

Ganapathy Krishnan, Chawdhry Vineet, Premanand Satgunam, Sarma Arunabh, Chandralekha Jothivaithilingam, Yogesh Kumar Kotte, Kumar Saroj, and Guleri Rajesh. Telemedicine and e-Health. May 2016, ahead of print.

doi:10.1089/tmj.2015.0249

IX IT International IT Forum with BRICS & SCO Participation; 6-7, June 2017

Mobile Telemedicine Bus

Amrita Institute of Medical Sciences, Cochin



Mobile Telemedicine Bus

School of Telemedicine & Biomedical Informatics



IX IT International IT Forum with BRICS & SCO Participation; 6-7, June 2017



Virtual Tour – School of Telemedicine & Biomedical Informatics (STBMI)

<http://stbmi.ac.in/virtualtour.html>

IX IT International IT Forum with BRICS & SCO Participation; 6-7, June 2017

