

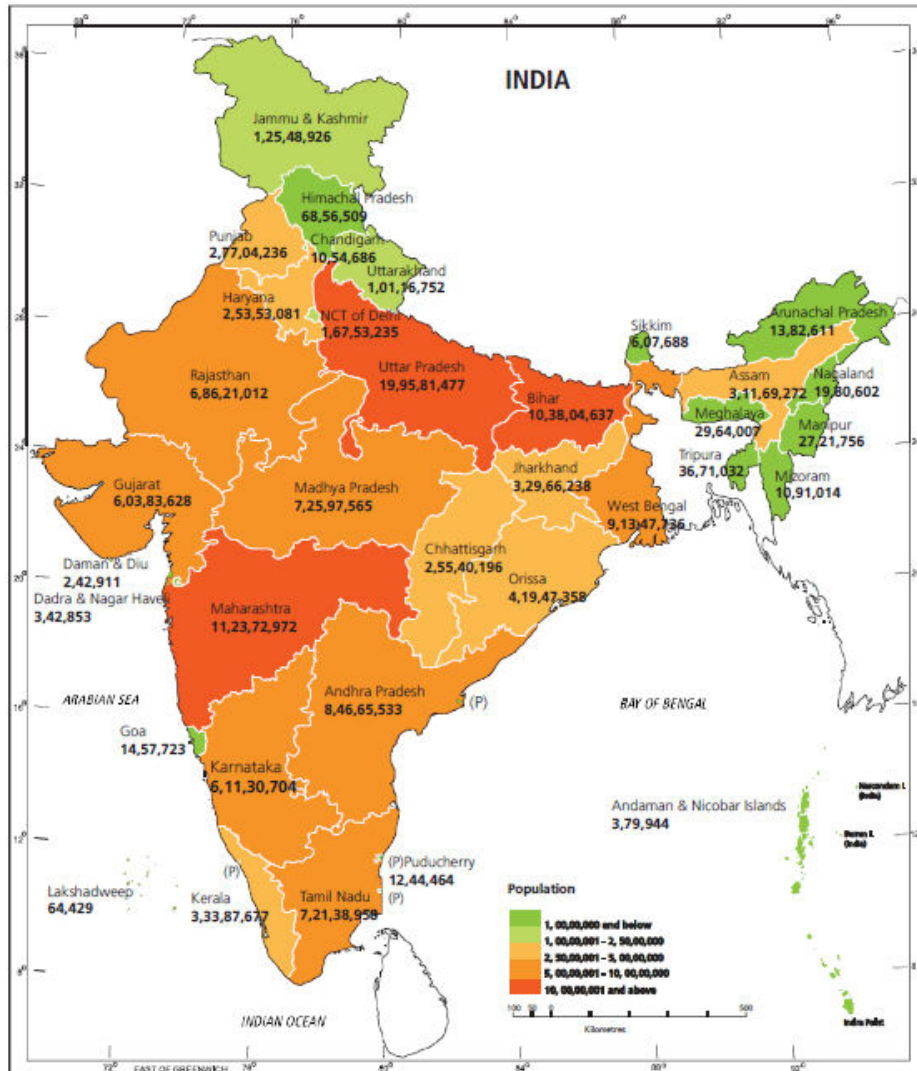
MAINSTREAMING HEALTH INNOVATIONS IN PUBLIC HEALTH SYSTEM IN INDIA

INNOHEALTH WEBINAR APRIL 8, 2016

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India-Demographics

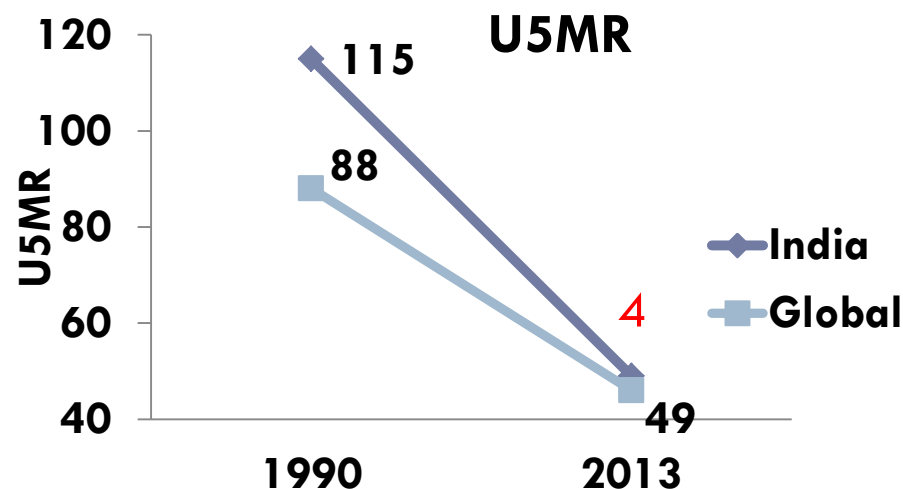
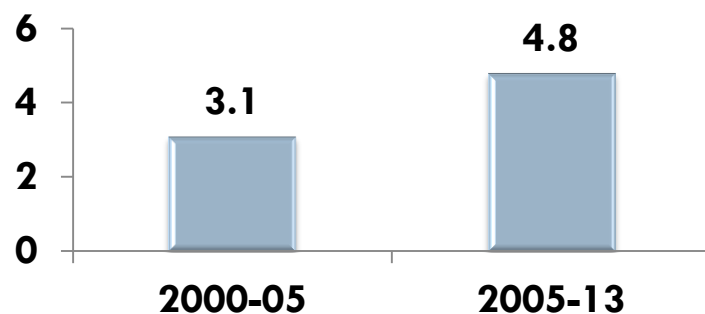


- Population- 1.25 billion
- Youth Population-356 million
- Life Expectancy- 66 (2012)
- 1,53,655 Sub Centres
- 25,308 PHCs
- 5,396 CHCs

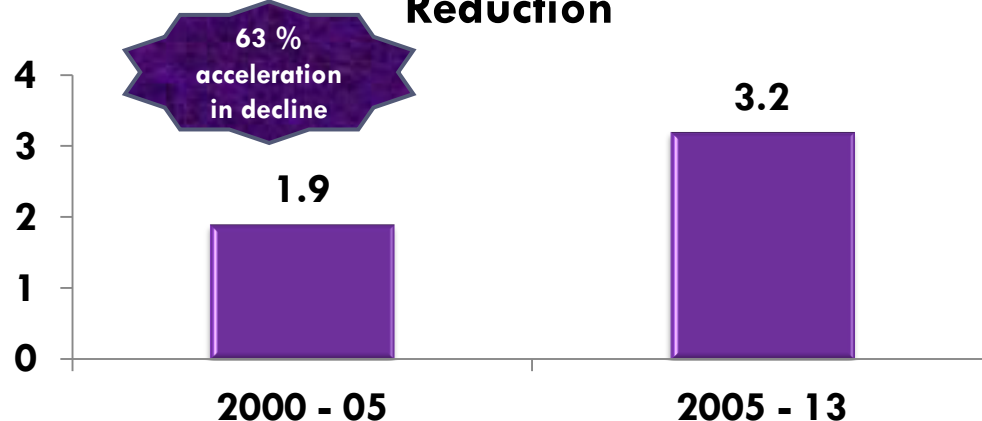
Health Indicators of India

45 %
acceleration
in decline

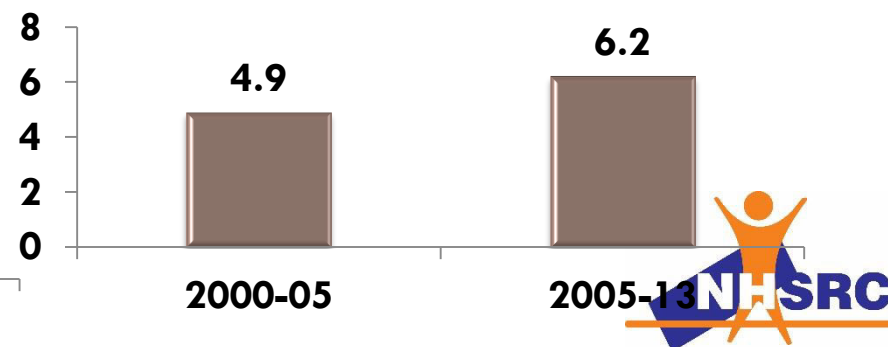
IMR- % Annual Compound Rate
Of Reduction



TFR- % Annual Compound Rate Of
Reduction



MMR- % Annual Compound
Rate Of Reduction



Opportunity: Digital India

- > Billion Mobiles
- Data (consumption) is growing at 65% annually.
accessing services such as e-commerce and e-learning
- Bharat Net's aim is to connect India's 250,000 panchayats at an estimated cost of \$18 billion.
- Alternative approaches to connect India, including cable TV pipes and White Spaces (refers to the unused TV channels between the active ones).
- Aadhaar: e-sign digitally sign documents and digital lockers store and save documents on cloud.
- There is innovation waiting to happen

India can leapfrog to solve its health problems

- ❑ Digital India (2014) govt services available electronically
- ❑ Startup India campaign to promote bank financing and create a favourable business environment for start-up ventures
- ❑ Make in India (2014) to encourage Indian and multinational companies to manufacture in India
- ❑ Aadhar Bill for Direct Benefit Transfer passed
- ❑ incentives do make a difference
- ❑ But finally, it is the entrepreneurial zeal that matters

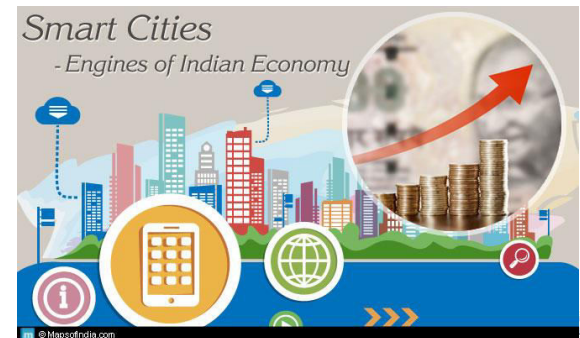
Opportunities



Digital India
Power To Empower



N • S • D • C
National
Skill Development
Corporation

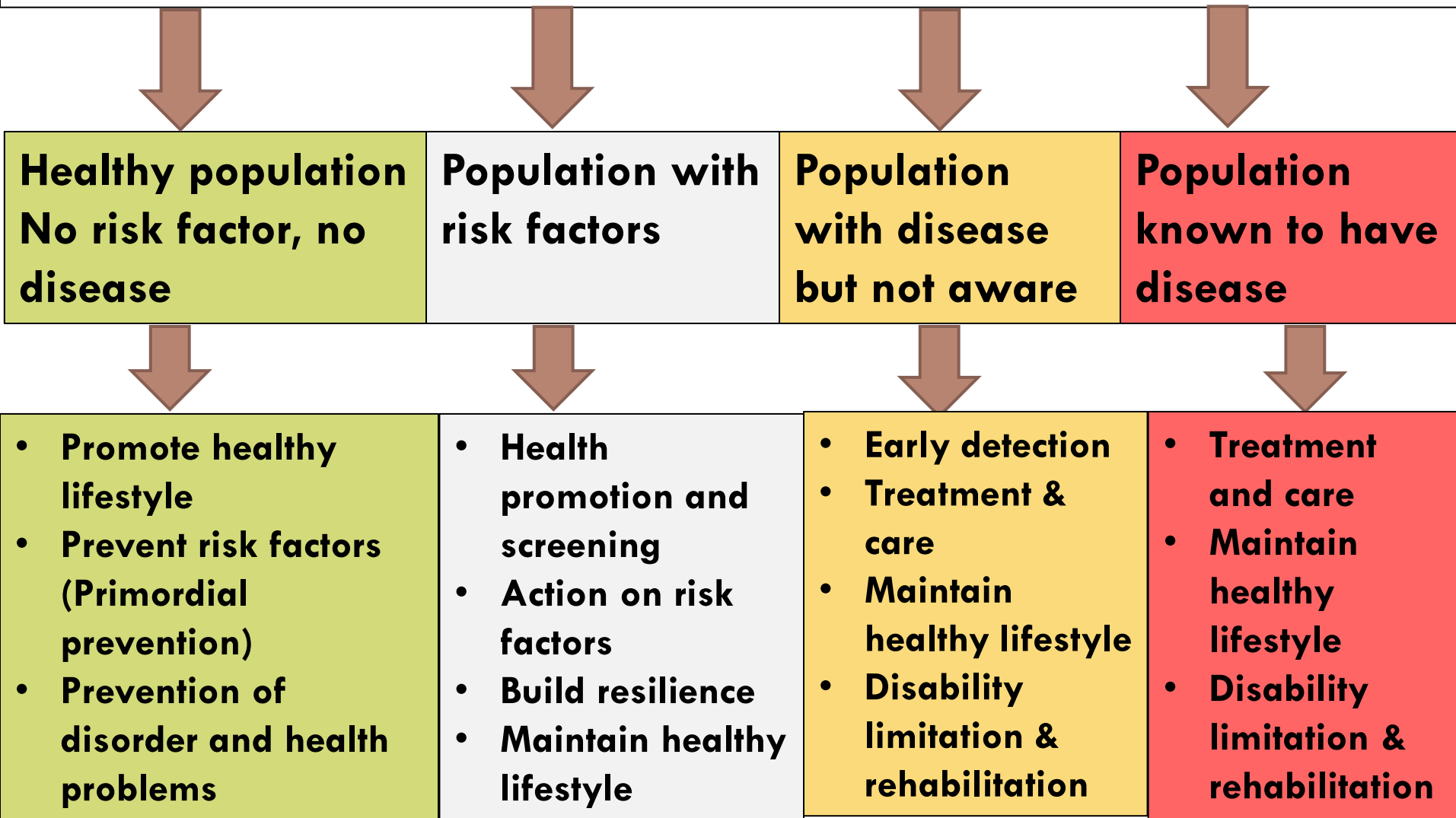


Identification and scale up of Innovations in India

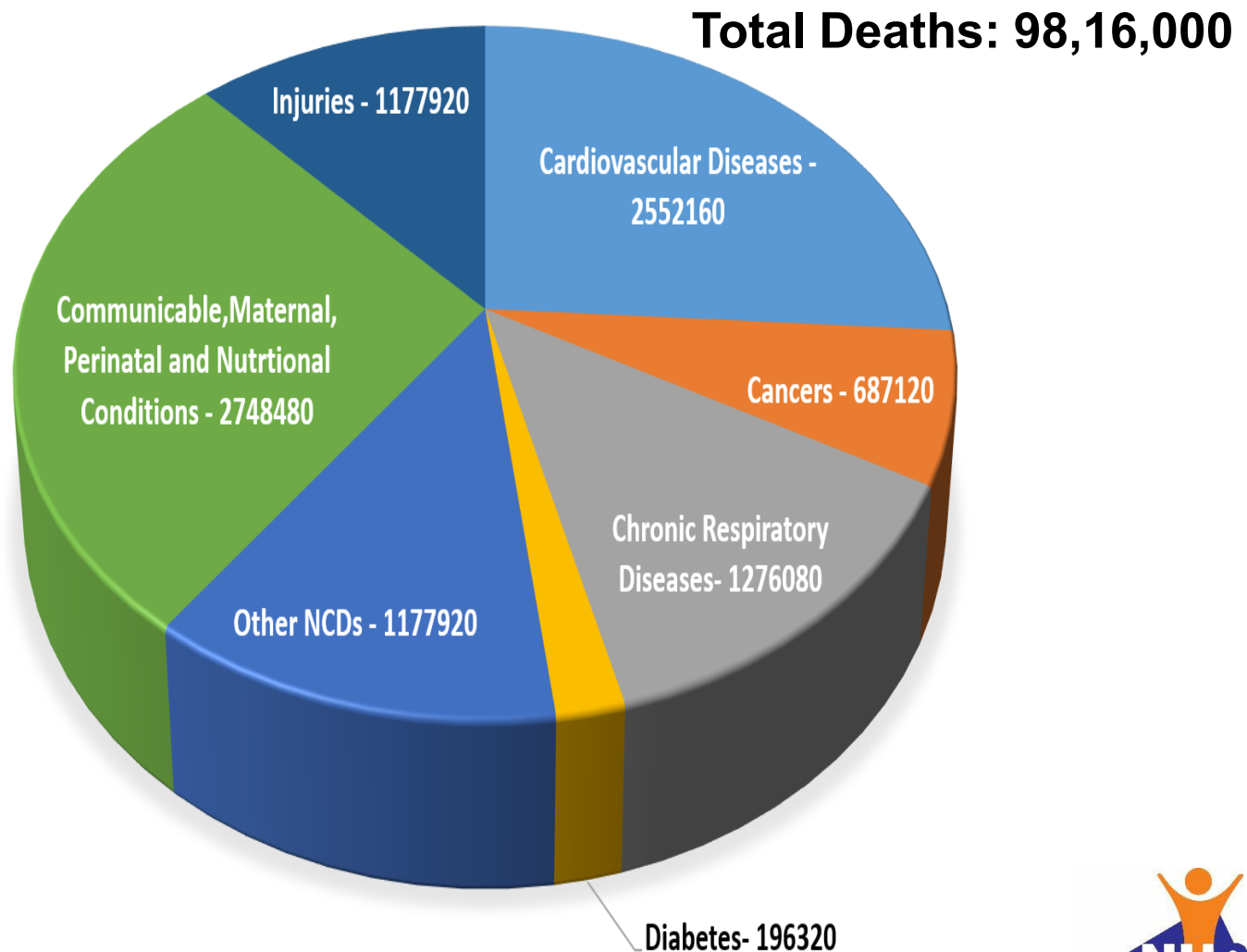
- ❑ **States encouraged to include innovation in Program Implementation Plans**
- ❑ **National Summits on Good and Innovative practices**
- ❑ **National Health Innovation Portal**
- ❑ **Health Technology Assessment Workshops:** Six, 325 trained. Some Innovations developed noninvasive haemoglobinometer, Noninvasive glucometer , urine strip analyzer , SMS enabled patient monitor

Whole of Population approach for addressing Population Health

Adapted From Kumar S, Preetha GS. Health promotion: An effective tool for global health. Indian J Community Med 2012;37:5-12



Is Technology Innovation Addressing Major Killers?



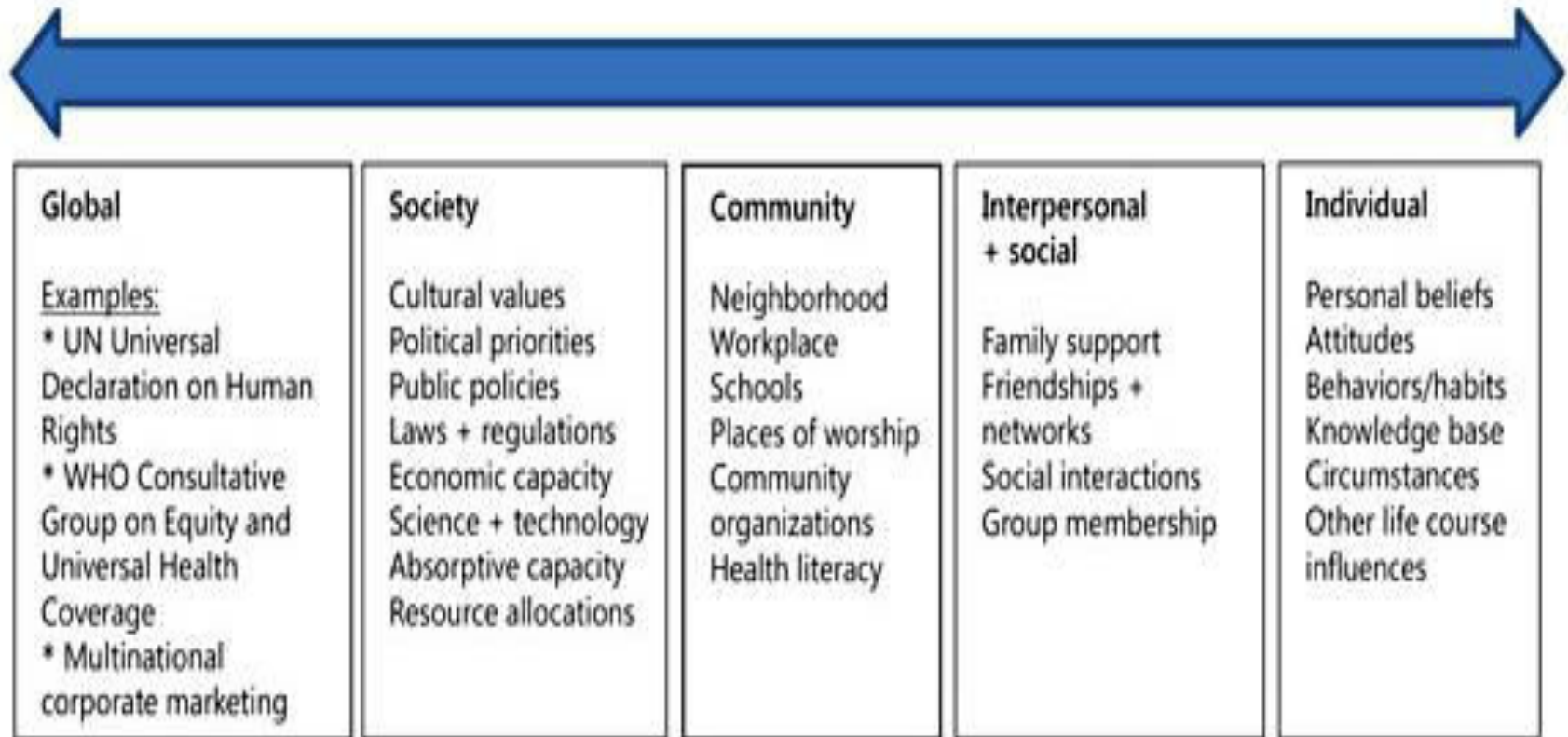
Source: WHO - Noncommunicable Diseases (NCD) Country Profiles, 2014.



Individuals & Family: the core of Health Care

White F. Primary Health Care and Public Health: Foundations of Universal Health Systems Med Princ Pract 2015;24:103–116

Spheres of influence



National Healthcare Innovation Portal

(www.nhinp.org)

- A platform for collection & dissemination of good practices & innovations
- innovations uploaded
- Review by two committee





NHInP

NATIONAL HEALTHCARE INNOVATIONS PORTAL

An Initiative under National Health Mission
Ministry of Health and Family Welfare, Govt. of India


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Innovate Upscale and Transform Healthcare System



National Summit on Good & Replicable Practices & Innovations in Public Health Care System

National Consultations are organized by Ministry of Health & Family Welfare to capture and share the best practices and innovations at various levels of health services delivery under National Health Mission. The consultations are attended by officials of MoHFW who are involved in providing technical support to states; State officials who share their experiences; and stakeholders who contribute to implementation of best practices....[Read More](#)

Updates



National Health Innovation Portal is being launched to serve as a platform in public domain to facilitate collection and dissemination of good practices and innovations that are found to be replicable. This portal would serve as a gateway for integrating innovations into mainstream healthcare and has potential to bring about

National Health Systems Resource Centre

National Health Systems Resource Centre ([NHSRC](#)) has been set up under the National Rural Health Mission (NRHM) of Government of India to serve as an apex body for technical assistance. Established in 2007, the National Health Systems Resource Centre's mandate is to assist in policy and strategy development in the provision and mobilisation of technical assistance to the states and in capacity

Two Categories of innovations

Program innovations

- ☐ Service delivery including Referral
- ☐ Governance
- ☐ Treatment compliance,
- ☐ Reduce cost of care or out of pocket expenditure etc.

Product innovations

- ☐ Medical Devices,
- ☐ Innovative technologies including Healthcare IT
- ☐ m-health
- ☐ Tele-health/E-health

Inclusion & Exclusion Criteria

Inclusion

- Relevant to health needs
- Address endemic health problems and or diseases
- Facilitates accessibility, affordability, reduce cost of care, ensure quality & safety healthcare product or process
- Bridge skill gap required in service delivery

Exclusion

- Specific drugs, surgical or medical procedures or practices that need evaluation through one or more of the processes below:
 - Randomized controlled trials
 - Systematic Reviews
 - Meta-analysis
- Incomplete Documentation

Screening process

- A six member screening group at NHSRC initial screening
- In depth review by Product Committee and Program Committee



Innovations

- All proposals received are scored
 - ▣ geographical coverage (no. of facilities or population),
 - ▣ duration of innovation,
 - ▣ evaluation results,
 - ▣ financial implications and scalability of the innovation
- > 100 uploaded. In program 7 fulfilled all criteria

Access: Free Essential Drugs (e-Aushadhi)

- ❑ Web based Supply Chain Management system
- ❑ Online tracking of drug inventory
- ❑ Streamlining of inter-drug warehouse transfer
- ❑ Efficient control of inventory
- ❑ Multi user, Multi location storage
- ❑ Rajasthan, Tamil Nadu, Andhra Pradesh, Jammu & Kashmir

Access: Healthcare Any Time Medicine (ATM)

- About 25% PHCs without a doctor
- ATM provides tele consultation supported with mobile phone
- Generic drug vending machine
- Pilots in Five states (HP, Odisha, MP (3-4 each), Uttar Pradesh (100) and Andhra Pradesh (100))
- Cost: Rs. 3 lakh per facility



Tele ophthalmology in Tripura



Tele-Radiology in Andhra Pradesh & Tripura



Automation of fund flow

- ❑ Public Finance Management System
- ❑ Automation of recording, verification, and calculation of payments.
- ❑ Using Electronic Funds Transfer (EFT) for making payments directly into recipients' bank accounts.
- ❑ Examples
 - ❑ ASHA SOFT in Rajasthan & Karnataka
 - ❑ HOPE in Bihar
 - ❑ Delhi

Related Initiatives

- ❑ Country's first Medical devices manufacturing parks (Vishakhapatnam, Gujarat, Nagpur)
- ❑ Country's first dedicated medical devices testing laboratory in NCR, Vadodara
- ❑ Cold Chain equipment meeting WHO standards
- ❑ Mother Child Tracking System





Thanks

