e-Health Initiatives of AP

Dr. R. Purnamma
Assistant professor
Dept. of Community Medicine
Guntur Medical College, Guntur
Contents

• Background
• Aim and objectives
• Strategic action plan
• e-Vaidya Telemedicine project
• e-Aushadhi
• Rastriya Swastya Bal Karyakram
• Mother and child tracking system-RCH
• Mee Arogyam
The e-Health Initiative is an independent, non profit organization that engages doctors and patients in order to standardize and reform the use of health information technology (HIT) to improve patient care.

Register for eHI’s Annual Conference

Together Facing the Challenges of Change. eHealth Initiative’s 2017 Annual Conference & Member Meetings, March 21-23 in Washington, DC will bring together the most influential leaders from across the healthcare spectrum to discuss critical issues related to the use of data and technology to improve healthcare for all Americans.
e-health

• e-health comprised of Health informatics, tele health and e-learning activities
• HI-? Hi technically captured, transmitted and utilized. HI- provide better pt care
• Tele health-use of telecommunication techniques for the purpose of providing tele medicine, medical & health education over a distance
• e-learning activities- improving access to educational content
Background

- Definition by WHO
- WHO e-Health resolution adopted in 2005
- Use of ICT in health for strengthening of health systems in countries
- New and innovative methods for improving public health services – facilitate higher quality care more accessible at lower cost
- Effective use of health resources
- Ensure the right consumer health information is electronically made available to the right person at the right place and time to enable informed care and treatment decisions

- Enable the Indian health sector to more effectively operate as an inter-connected system overcoming the current fragmentation and duplication of service delivery
Enable multi-disciplinary teams to electronically communicate and exchange information and provide better coordinated health care across the continuum of care
• Provide consumers with confidence that their personal health information is managed in a secure, confidential and tightly controlled manner

• Enable electronic access to appropriate health care services for consumers with remote, rural and disadvantaged communities
Facilitate continuous improvement of the health system through more effective reporting and sharing of health outcome information.

Improve the quality, safety and efficiency of clinical practices by giving care providers better access to consumer health information, clinical evidence and clinical decision support tools. Support more informed policy, investment and research decisions through access to timely, accurate and comprehensive reporting on Indian health system activities and outcomes.
Aim and objectives

• Aim: Universal health coverage

• Objectives
  1. Improved e-Health policy by providing relevant timely high quality information to support national governments and international bodies
  2. Increased commitment of governments and private sector to invest in e-Health
  3. Improved research activity
Strategic action plan

- National e-health policy
- Integrated, inter-sectoral and coordinated approach
- Adequate funding
- Capacity building - education and training
- Public Empowerment
- Political commitment - governance
- Multi lingualism
- e-learning and health literacy
- Monitoring and evaluation
- Health
- at
- Health
- Telemedicine
- Telehealth
- Store & For Telehealthcare
e- Health initiatives in AP

eVaidya eUPHC.mp4

• 1. e Vaidya-Telemedicine pilot project in UHCs (ppp)
• Two UHCs in VJD & VSP on pilot to e-Vaidya, a tele, ePHC concept, using e-platform. Mukhyamanthri Arogya Kendram
• Tele health: As the use of tele communication techniques for the purpose of providing tele medicine, medical education & health education over a distance
• Tele medicine – use of advanced telecommunication technologies to exchange health information and provide health care services across geographic, time, social and cultural barriers.

• It involves use of electronic records helps in research activities and public health administration.
Mukya mantri
Arogya kendram

Activities
1. Desktop - Registration by IT Engineer—unique ID NO.
2. Desktop - complaints duration by ANM
3. Desktop - Medical officer — examination Lab investigations
4. Lab Tec - Results

ANM/lab Tec - drugs
• MO -Treatment
• ANM/lab Tec --drugs
  If pt needs specialist treatment
• Revisit— preference of doctors —for Tele consultation.-Take Adv—give medicines
  Pt needs other Investigations
• Refferal---Govt Hospital
e- Aushadi

e-Aushadhi - AP.mp4

- **e-Aushadi**: is a web based application which deals with the management of stocks of various drugs, sutures and surgical items required by different district drug warehouses of Andhra Pradesh state.

- **Project Vision**: To improve the quality of human life through better access of medicines to the lowest stratum of the society.

- **Project Mission**: To provide a standardized platform for drug procurement, supply, storage, issue and distribution throughout the country.
e -Aushadi

Objectives:

• To optimize the stock turnover through efficient management of drug Inventory.
• Reduce pilferage of drugs through better status accounting practices.
• Provide an integrated platform for vendor relationship management.
• Supply required drugs to the respective medical institutes within the state.
• Fulfil all the supply chain requirements related to drug distribution.

• On 2nd October 2014 the Government of AP launched a scheme for providing free medicines to all patients under health care delivery system in all 13 Districts of Andhra Pradesh.

• provides dashboard based reports for various levels of administrators/doctors at all levels.
RBSK

- It is a new e-health initiative of child health screening and early intervention service programme under NRHM initiated by the MOH&FW aims at early detection and management of the 4d,s prevalent in children.
RBSK

• The RBSK program has been enabled through a cloud based, Tablet PC system, providing dashboard based reports for various levels of administrators/doctors at all levels.

• Role based access management system has been designed, which helps officers at various levels to check reports as per the hierarchy.
Mother and child tracking system

- Tablet PC based MCTS program launched in the State. Tablet PC based RCH program to be rolled out in the State by November first week, in two pilot clusters.
MCTS

• Objective

It is a name-based tracking system developed by Government of India, under MoHFW, whereby pregnant women and children can be tracked for their ANCs and immunisation along with a feedback system for the ANM, ASHA etc to ensure that all pregnant women receive their Ante-Natal Care Check-ups (ANCs) and post-natal care (PNCs); and further children receive their full immunisation.
State Level
- Sensitise the District CMOs on the urgency and need for the name-based tracking of pregnant women and immunization of children

District Level
- Hold discussions with the Block Medical Officers to sensitise them on this initiative

Block Level
- To sensitise the ANMs/ASHAs/Block Level Officials/Block Program Management Unit/LHW and develop modalities for getting the primary information on name-based tracking of pregnant women and immunization of children and subsequent reports on services provided

ANM/ASHA Level
- Report the services delivered to the pregnant women and children based on the stipulated dates as per the ANC schedule and immunization schedule
Benefits

• Better control on estimates of infant and maternal mortality
• Off-take of JSY benefits
• Improved supply chain management of vaccines and drugs
• Improvement in Registration of births
• Used as basis for ICDS, Primary education, Adolescent health
• Better data analysis for preparation of Block/District health action plans and State PIPs with realistic/accurate denominators.
Check list for AN mother

Identification details:

- Location
- Health Provider
- ANC
- IFA Tablet
- Anaemia
- Complications—Y/N
- Pregnancy out come
Check list for PN mother

• Place of delivery
• Delivery Type
• Complications Y/N
• Date of delivery
• Date of discharge
• Jsy benefit paid Y/N
• Abortion
Check list for child

Identification details:

• Location
• Health Provider
• Immunization
• Remarks
Mee Arogyam – Primary Health Solution from EMC

• launched in Visakhapatnam District on 15th August, 2015.
• To deliver cloud and data analytics solutions in healthcare.
• Mahila Master Health Check up inaugurated by CM of AP on 16th sep 2016
• To screen women above the age of 35 for NCD,
• NCD- Oral, Breast, Cervical cancers, HTN, DM, Vision defects and hormonal disorders
• Covers 7000 sub centers
• 12000 health workers
• 9 million women
• Dell EMC is the technology partner that will provide the software solution for MMHC, consisting of the tablet application for the health workers
• The project is World Bank funded project through DeitY, GoI

• The project covers 4 Health Facilities for end to end Hospital Management System. One Teaching Hospital, One District Hospital and Two Area

• Hospitals are part of the pilot phase. (KGH, Narsipatnam, Anakapalli, Tuni)
Thank you