Significance

- Paperless medical treatment
- Cost-effective care delivery
- Right treatment at right time
- Evidence-based medicine
- Accelerate research
- Effective medical practices
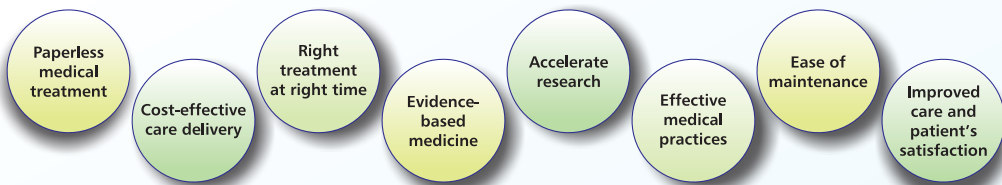- Ease of maintenance
- Improved care and patient's satisfaction

Activities across EHR Implementation

National Resource Centre for EHR Standards provides support to healthcare providers and implementers at different phases of EHR implementation including adoption, planning, procurements, design, development, deployment, and use in healthcare system.

- **Adoption** — Training & Education for Awareness, Understanding Importance and Advantages
- Assist in selection Standards, Best practices — **Planning**
- **Procurement** — Guidance in adopting new technology
- Assistance in designing, adopting best practices — **Design**
- **Development** — Implementation Support, Assistance in trouble shooting
- Staff training License Management — **Deployment**
- **Use** — End user Training

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Ministry of Health & Family Welfare
Department of Health & Family Welfare
सत्यमेव जयते

Contact Us

National Resource Centre for EHR Standards (NRCeS)
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High Performance Computing–Medical and Bioinformatics Applications (HPC-MBA) Group,
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Website: **www.nrces.in**

National Resource Centre for EHR Standards India

ISO 18308:2011
ISO 13606
ISO TC 215
Bureau of Indian Standard
MDD
ICF
ICD-10
WHOF
ISO 19005-2
ISO/IEC
SNOMED CT
HL7 V2.8.
DICOM PS3.0-2015
IEEE/NEMA/CE
UIDAI Aadhaar
LOINC
HL7 CCD
openEHR
Pharmacy Practice Reg
ISO 13606-5:2010

Ministry of Health & Family Welfare (MoHFW), Government of India has established a Centre of Excellence named as National Resource Centre for EHR Standards (NRCeS) at C-DAC, Pune to accelerate and promote adoption of EHR standards in India.

NRCeS is a single point of contact for assistance in developing, implementing, and using EHR standards in India. NRCeS provides tools, know-how, training, implementation support and hand-holding to medical professionals, medical institutions, and technology companies/providers in adoption of all notified EHR Standards for India. NRCeS is also involved in healthcare IT standardization process at national and international level.

Services

Tools and Technologies

- Free and open source standard enabled software tools
- Free and open source SDKs for ease of implementing/ enabling standards within healthcare systems
- Utilities, applications, sample codes, middleware components for demonstrating integration approaches
- Tools for mapping, conversions, interoperability, etc. for use and quick adoption of EHR Standards

Education and Training

- Workshops for healthcare professionals and vendors and implementers on EHR Standards
- On-demand need-based training to hospitals, vendors, and implementers
- Workshop/Training to policy makers, departments, educational institutes, organizations, consortiums, associations, etc. on sensitizing about EHR Standards
- Specialized trainings on creation and validation of national releases and extensions
- Training on using and integrating SDKs and tools developed by NRCeS
- e-Learning videos and materials

Implementation Support

- Assistance in design and integration of EHR Standards in application
- Approaches for integration of EHR Standards in to their existing healthcare applications
- Assistance in getting SNOMED CT release files and Affiliate License for the use of SNOMED CT Standard within India
- Case studies, discussion papers, guidance documents for implementation and assistance in setting and using the developed tools and SDKs
- Peer review of EHR standard enabled software developed by vendors

National Releases

- SNOMED CT national refsets and extensions
- Country specific customizations to EHR standards
- National release processes and guidelines
- Manage and maintain national releases
- Assists in development of vendor / implementer specific subsets / refsets

Liaison with SDOs

- Co-ordinate with national and international Standards Development Organizations (SDOs)
- Interact with peer bodies in states to learn and leverage exposure about EHR standards
- Participate in development and evolution of EHR standards
- Act as a bridge between SDOs, MoHFW, vendors and hospitals, and end users
- Consolidate and report requests, queries, concerns about EHR standards to national health authority

Advisory and Consultation

- Consulting/advisory services for strategic approach and advice on healthcare system implementation and adoption
- Assistance in process/best practice adoption in implementing healthcare application
- Assistance in defining roadmap/ strategy in healthcare application development to both the government and private sector

Electronic Health Record (EHR)

The Electronic Health Record (EHR) is a longitudinal electronic record of patient health information generated by one or more encounters over a lifetime in any care delivery setting which includes patient demographics, progress notes, problems, medications, vital signs, past medical history, immunizations, laboratory data, radiology reports, etc.; and can be accessed instantly and securely by authorized users. These records are designed to be shared with other providers, so authorized users may instantly access a patient's EHR from across different healthcare providers.

MoHFW released EHR Standards for India in December 2016 subsequent to the earlier notified EHR Standards for India in September 2013. The intent is to introduce a uniform system for maintenance of EMR/EHR by the hospitals and healthcare providers and enable unique EHR for every individual in the country.

EHR Standards for India are an incremental approach to adopting standards, implementation specifications, and criteria to enhance the interoperability, functionality, utility, and security of health information technology and to support its widespread adoption.