



ONCOLOGY HOSPITAL INFORMATION MANAGEMENT SYSTEM

www.thegemini.co.in



A laptop is shown from a low angle, its screen displaying a complex medical interface with various charts and data points. The background is a dark, blue-toned space filled with faint, glowing lines and planes that appear to contain data or code, creating a sense of depth and digital connectivity.

What Is Oncology EMR Software?

Oncology is a complex specialty with unique terminology and protocols, especially when it comes to ordering and administering chemotherapy. One of the biggest challenges oncology clinics face is ensuring orders are documented properly and regimens are followed accurately, since there are significant consequences if the wrong drug or dosage is administered. Therefore, many oncologists are adopting electronic medical records (EMR)/electronic health records (EHR) to help reduce these risks, limit liability and increase quality of care.

Oncology EMRs, also referred to as electronic health records (EHRs), are designed to meet the unique requirements of oncologists. First and foremost, this means managing the ordering and administration of chemotherapy drugs. These EMRs also have unique cancer and hematology work flows and templates, and may have applications for reporting, cancer registry and clinical trials.

The Gemini ONCO HIMS

THE GEMINI ONCO HIMS is committed to cultivating an environment that connects the entire oncology community. Our goal is to help every cancer care provider access the type of expertise, information and technology that enables smart, efficient, and high quality care globally. We are united by purpose to fight cancer, together. The Gemini Onco HIMS puts you at the center of the oncology care process. Using our solutions, providers can view the complete electronic medical record (EMR), with access to prior ambulatory visits, acute care encounters, test results, images, medications and other important clinical information.



Our Commitment

At THE GEMINI ONCO's , we are a Partner for Life. This partnership is embodied in everything we do. Whether it's working across teams, collaborating with customers, or reaching out to our communities, we are dedicated to our mission.



Our Mission

THE GEMINI ONCO's mission is to innovate, support and simplify cancer-fighting solutions everywhere so we can realize our vision of living in a cancer-free world.

Features of ONCO HMS

MAPPING & STAGING CLASSIFICATION

Based on the information provided, decision-support engines can map the cancer, identify the stage and recommend appropriate treatment options.

CHEMOTHERAPY AUTOMATION

Automated dosing, ordering and scheduling prevents errors by making orders easier to read, manage and administer. Oncology HMS should also incorporate the documentation for drug admixture and administration, including inventory management for accounting for any billable waste.

ONCOLOGY SOAP NOTES TEMPLATES

Because every form of cancer is different, oncology HMS include specialized templates for different kinds of cancer (melanoma, sarcoma, neoplasm, leukemia etc.), different types of treatment (chemotherapy, radiation therapy, surgery etc.) and other unique situations. When selecting your EMR, make sure the templates are most effective for the type of oncology you practice and for your individual workflow.

DIGITAL IMAGING & LAB TEST INTEGRATION

Mammograms, ultrasounds, CTs, MRIs and PET scans are just a few of the digital tests oncologists perform in assessing patients during diagnosis and treatment. Ensure that the tests you perform—and the specific tools you use—integrate into your EMR, allowing to store data and track progress over time.

CLINICAL TRIAL SUPPORT

If your practice is involved in—or considering being involved in—clinical trials, it's important to select an HMS that supports this aspect of your practice. Features might include a database of current research and ongoing trials and automated patient-trial eligibility matching, both to find existing trials for new patients and to bring existing patients into newly approved trials.



Advanced **features** help improve care quality and user throughput



- + Customizable plan of care
- + Evidence based chemotherapy regimen library
- + Decision support
- + Safety alerts
- + Order management
- + NCI's CTCAE based adverse event documentation
- + Automated drug dosage calculations (/m², /kg, AUC)
- + Drug utilization forecasting

- + Provider note templates
- + Therapeutic class based drug indexes
- + Integrated charge capture
- + Advanced reporting
- + Flow sheets
- + Gold Certified e-Prescribing
- + Nurse documentation
- + PACS / DICOM Imaging



THE GEMINI ONCO HIMS ADVANTAGE :

- A growing collaborative network of cancer physicians at the forefront of caring for cancer patients
- Expertise in advanced integration with all major EHRs
- Built-in support to promote clinical trial accrual to advance your research endeavors
- Simplified decisions for using precision medicine with evidence-supported diagnostic testing guidance
- Insight into variations in care patterns and clinical trial accrual performance
- Supporting documents for your oncology care team and patients

THE GEMINI ONCO HIMS ADVANTAGES :

- + Cloud-based, HIPAA compliant SaaS model
- + Robust clinical data model - enabling thorough outcomes reporting
- + Ultra-configurable architecture
- + Includes an interface appliance, supporting the HL-7 and other protocols, for EHR connectivity
- + On demand report generation and data exports
- + Service line and specialty dashboards
- + 24x7x365 availability
- + Multi-device support



ONCO DIFFERS

+ PATIENT JOURNEY IS UNIQUE AND DIFFERENT THAN NORMAL PATIENTS

- Patients are put to multi-modality treatment
- Multi drugs
- May be multiple specialties get involved

+ FINANCIAL TRANSACTIONS ARE DIFFERENTLY PATTERNED;

- May sometimes occur in cycles for even 20 years, as for example a breast cancer
- Every department has different modality and cycles

+ DIFFERENT FREQUENCIES ARE REQUIRED FOR DIFFERENT DEPARTMENTS EVEN TO THE INDIVIDUAL LEVEL OF PATIENTS

- Helps in preparedness of hospitals so that valuable time is not wasted
- Better follow up of patients
- Better treatment outcomes

+ UNIQUE NUMBER CAN BE ASSIGNED TO THE PATIENTS APART FROM UNIQUE ID

- This number may be a reflection of cassettes being used for radiation or a drug vial batch number
- This can help in performance tracking of highly valuable instruments like PET scans

THE GEMINI ONCO HIMS MODULES





**CANCER HOSPITAL & RESEARCH INSTITUTE
GWALIOR [M.P.]**

Regional Center of Cancer for Treatment & Research
(Approved By - Government of India)



Cert. No H-2019-0634
Jun 09, 2019 - June 08, 2022



THE GEMINI®
Inspiring Innovations

Hospital Information System

Secure Login



User Name



Password

Login

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Login by: ADMINISTRATOR Date :03-Feb-2020

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0 ! 0 ✉ 📊 📄 🔒 📈 ⚙️ Actions 🔌 Logout

>> Dashboard



Admin



Help Desk



Reg & Billing



IPD



OT



MRD



Laboratory



Diagnostics



Pharmacy



Blood Bank



Diet Management



Mediclinam



HR and Payroll



Store



Maintenance



Transport



Account



CSSD



Linen & Laundry



Biomedical Waste



Licence Management



Physiotherapy



Mortuary



Operational



MIS



SMS



Add On



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Actions



Logout

MRD:: Master ▶ Transaction ▶ Reports ▶

Diagnosis (ICD) Master

File Receive & Issue

Pa

Da

Patient :

Doctor :

Address :

Patient File

UHID :

Age/Gender :

Department :

ID :

Company :

Ward/Bed :

Patient



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0 Actions Logout

MRD:: Master ▶ Transaction ▶ Reports ▶

Patient History

Date

Patient

Doctor

Address

Patient File

Admission ▶

In Ward ▶

Medical Oncology ▶

Radiation Oncology ▶

Inv & Prescription

Pre-Operative ▶

Post Operative ▶

Clinical Examination

Case Sheet

Discharge ▶

Other ▶

Patient

UHID :

Age/Gender :

Department :

ID :

Company :

Ward/Bed :



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Actions



Logout

MRD:: Master ▶ Transaction ▶ Reports ▶

Patient History

Date

Patient

Doctor

Address

Patient File

Admission

Initial Assessment Sheet

In Ward

Admission Checklist

Medical Oncology

Admission Progress Checklist

Radiation Oncology

MRD Checklist

Inv & Prescription

Nursing Admission Assessment

Pre-Operative

Daily Nursing Flow Sheet

Post Operative

Nutritional Screening

Clinical Examination

Patient & Family Education

Case Sheet

Medication Error

Discharge

Restraint Flow Sheet

Other

Patient

ID

Company

Ward/Bed



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0 Actions Logout

MRD:: Master ▶ Transaction ▶ Reports ▶

Patient History

Date

Patient

Doctor

Address

Patient File

Admission ▶

In Ward ▶

Medical Oncology ▶

Radiation Oncology ▶

Inv & Prescription

Pre-Operative ▶

Post Operative ▶

Clinical Examination

Case Sheet

Discharge ▶

Other ▶

Consent For Treatment

Consent For Blood and Component

Consent Chemotherapy

Chemotherapy Chart

Chemo Chart

UHID

ID

Company

Ward/Bed

Patient



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Actions



Logout

MRD:: Master ▶ Transaction ▶ Reports ▶

Patient History

Date

Patient

Doctor

Address

Patient File

Admission

In Ward

Medical Oncology

Radiation Oncology

Inv & Prescription

Pre-Operative

Post Operative

Clinical Examination

Case Sheet

Discharge

Other

Clinical History

Progress Notes

Treatment Summary

Daily Therapy Record

Nursing Chart

UHID

Age/Gender

Department

ID

Company

Ward/Bed

Patient



MRD:: Master ▶ Transaction ▶ Reports ▶

Patient History

Date :
Patient :
Doctor :
Address :

Patient File

File Issue Report

File Receive Report

File Tracking Report

ICD Code Report

ICD Summary Report

Death Report

Birth Report

Admission Advice Report

Patient

ID :
Company :
Ward/Bed :
Gender :
Department :



Daily Hospital Sale (OPD & IPD)

Daily Pharmacy Sale (OPD & IPD)

MIS ▶

Daily Collection Hospital & Pharmacy

Weekly Sale Vs Collection

Monthly Sale Vs Collection

Detailed Collection & Sale

21-Jan-2020

Print



MIS:: MIS Report ▶ MIS ▶

>> In Patient Details

At A Glance Report

Bed Management

In Patient Details

Out Patient Details

Department Revenue

Dept Monthly Revenue

Doctor Wise Patient

Surgery Monthly Count

Surgery Yearly Count

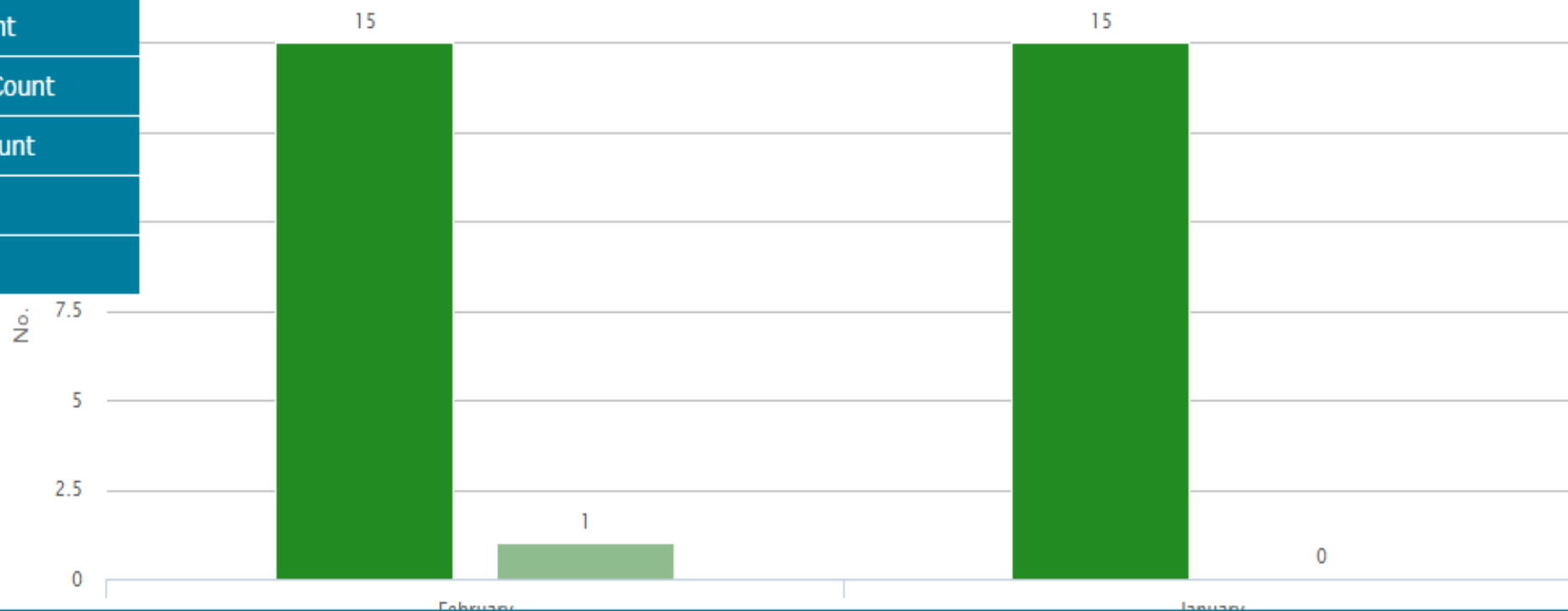
Doctor Revenue

Audit Trial Report

Refresh

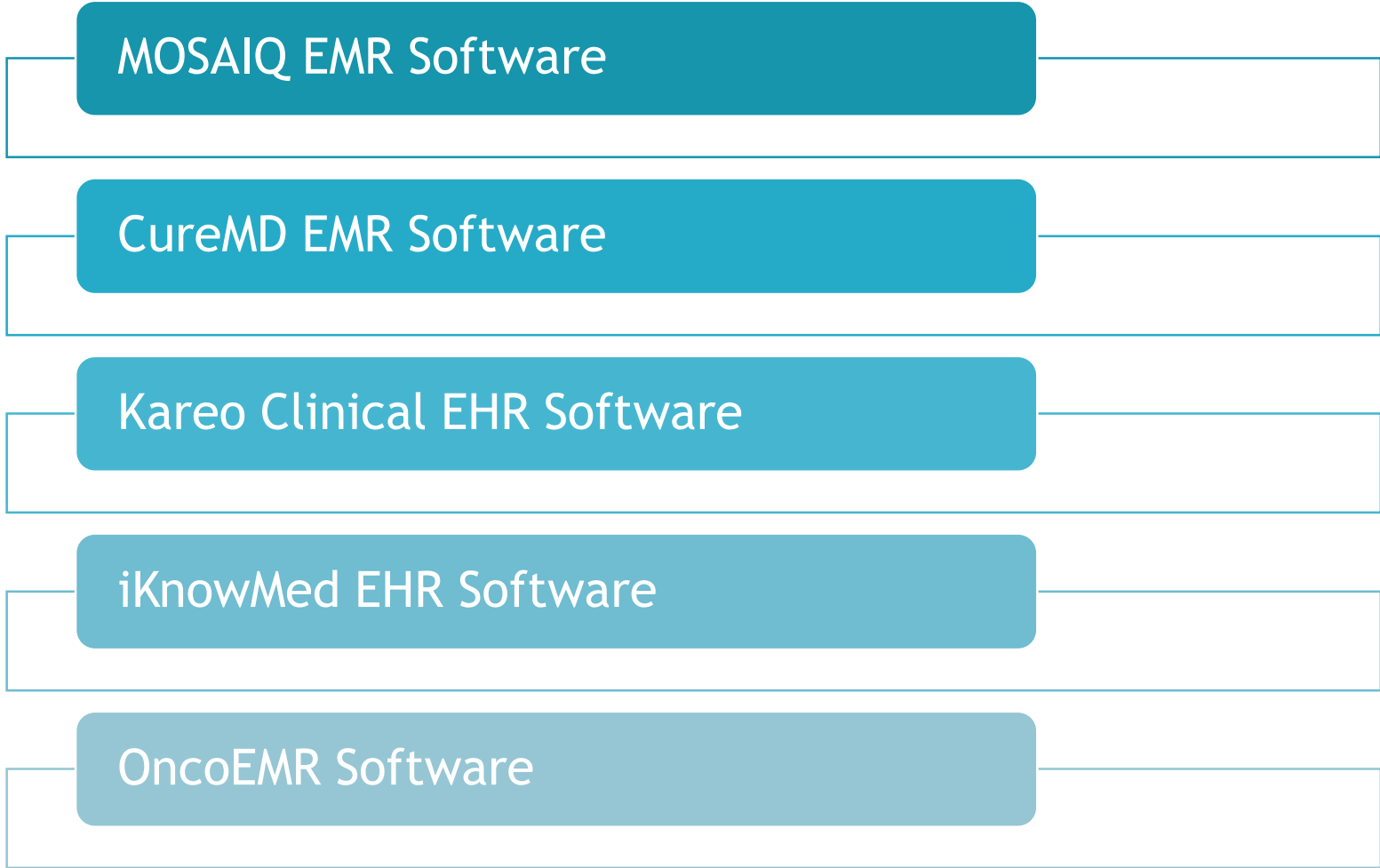
IPD Revenue

IPD



Top 5 Oncology EHR Software by EMR Finder:

EMR Finder values its customers and has compiled a list of the 5 best and top-rated Oncology EMR & PM software solutions for physician practices in 2019. The list is solely based on customer reviews and ratings and is as follows:



MOSAIQ EMR Software

CureMD EMR Software

Kareo Clinical EHR Software

iKnowMed EHR Software

OncoEMR Software

Acute/Network EHR Estimated Revenue Share - EMEA - 2018

2018 Rank	Company	2018 Revenue Share	Key Countries/Sub-Regions
1	Cerner	16%	DACH, UK/Eire, Middle East
2	Agfa Health	8%	DACH, France
3	Asseco	5%	Eastern Europe
4	CompuGroup Medical	5%	DACH, Nordics, Eastern Europe
5	InterSystems	4%	UK/Eire, Middle East, Spain/Portugal
6	Chipsoft	4%	Benelux
7	DXC Technology	3%	Benelux, UK/Eire, Spain/Portugal
8	Tieto	3%	Nordics
9	Dedalus	3%	Italy, France, Spain/Portugal
10	Nexus	3%	DACH, Benelux
11	Engineering Ingegneria	3%	Italy
12	Systematic	2%	Nordics
13	Epic	2%	Benelux, Nordics, UK/Eire, Middle East
14	Telekom Health	2%	DACH
15	Maincare Solutions	2%	France
	Others	39%	

Source: Signify Research

Note: Does not include primary care/ambulatory only revenues/vendors

EHR

STANDARDS FOR INDIA



S. No.	Type	Standard Name	Intended Purpose
1	Identification & Demographics	ISO/TS 22220:2011 Health Informatics - Identification of Subjects of Health Care	Basic identity details of patient
2		MDDS - Demographic (Person Identification and Land Region Codification) version 1.1	Complete demographic for interoperability with E-Governance systems
3	Patient Identifiers	UIDAI Aadhaar	Preferable identifier where available
4		Local Identifier	Identifier given within institution / clinic / lab
5		Government Issued Photo Identity Card Number	Identifier used in conjunction with local in absence of Aadhaar
6	Architecture Requirements	ISO 18308:2011 Health Informatics - Requirements for an Electronic Health Record Architecture	System architectural requirements
7	Functional Requirements	ISO/HL7 10781:2015 Health Informatics - HL7 Electronic Health Records-System Functional Model Release 2 (EHR FM)	System functional requirements

8	Reference Model and Composition	ISO 13940 Health informatics - System of Concepts to Support Continuity of Care	Concepts for care, actors, activities, processes, etc.
9		ISO 13606 Health informatics - Electronic Health Record Communication (Part 1 through 3)	Information model architecture and communication
10		openEHR Foundation Models Release 1.0.2	Structural definition and composition
11	Terminology	SNOMED Clinical Terms (SNOMED CT)	Primary terminology
12	Coding System	Logical Observation Identifiers Names and Codes (LOINC)	Test, measurement, observations
13		WHO Family of International Classifications (WHOFIC) including ICD, ICF, ICHI, ICD-O	Classification and reporting
14	Imaging	Digital Imaging and Communications in Medicine (DICOM) PS3.0-2015	Image, waveform, audio/video
15	Scanned or Captured Records	JPEG lossy (or lossless) with size and resolution not less than 1024px x 768px at 300dpi	Image capture format
16		ISO/IEC 14496 - Coding of Audio-Visual Objects	Audio/Video capture format
17		ISO 19005-2 Document Management - Electronic Document File Format for Long-Term Preservation - Part 2: Use of ISO 32000-1 (PDF/A-2)	Scanned documents format

18	Data Exchange	ANSI/HL7 V2.8.2-2015 HL7 Standard Version 2.8.2 - An Application Protocol for Electronic Data Exchange in Healthcare Environments	Event/Message exchange
19		ASTM/HL7 CCD Release 1 (basis standard ISO/HL7 27932:2009)	Summary Records exchange
20		ISO 13606-5:2010 Health informatics - Electronic Health Record Communication - Part 5: Interface Specification	EHR archetypes exchange [Also, refer to openEHR Service Model specification]
21		DICOM PS3.0-2015 (using DIMSE services & Part-10 media/files)	Imaging/Waveform Exchange
22	Other Relevant Standards	Bureau of Indian Standards and its MHD-17 Committee	Standards Development Organizations (SDOs)
23		ISO TC 215 set of standards	
24		IEEE/NEMA/CE standards for physical systems and interfaces	
25	Discharge/ Treatment Summary	Medical Council of India (MCI) under regulation 3.1 of Ethics	Composition as prescribed
26	E-Prescription	Pharmacy Practice Regulations, 2015 Notification No. 14-148/ 2012- PCI as specified by Pharmacy Council of India	Composition as prescribed

27	Personal Healthcare and medical Device Interface	IEEE 11073 health informatics standards and related ISO standards for medical devices	Device interfacing
28	Data Privacy and Security	ISO/TS 14441:2013 Health Informatics - Security & Privacy Requirements of EHR Systems for Use in Conformity Assessment	Basis security and privacy requirements
29	Information Security Management	ISO/DIS 27799 Health informatics - Information Security Management in Health using ISO/IEC 27002	Overall information security management
30	Privilege Management and Access Control	ISO 22600:2014 Health informatics - Privilege Management and Access Control (Part 1 through 3)	Access control
31	Audit Trail and Logs	ISO 27789:2013 Health informatics - Audit trails for Electronic Health Records	Audit trail
32	Data Integrity	Secure Hash Algorithm (SHA) used must be SHA-256 or higher	Data Hashing
33	Data Encryption	Minimum 256-bits key length	Encryption key
34		HTTPS, SSL v3.0, and TLS v1.2	Encrypted connection
35	Digital Certificate	ISO 17090 Health informatics - Public Key Infrastructure (Part 1 through 5)	Digital certificates use and management



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THANK YOU

