

**Minimum Viable Product (MVP) Guidance Document for ABDM Compliant HMIS/LMIS  
Version 2.0**

This document contains the minimum viable product requirements for Clinic – No IPD, Hospital (HMIS) with IPD and LIMS.

Mandatory, to be mandated in the future and suggested options are mentioned corresponding to each core ABDM Requirements, Core Functionalities/ Functional modules and compliance to standards. Guidelines of ABDM Compliant HMIS/LMIS features and standards subject to change as per compliant requirements.

	<b>MVP Requirement For Clinic - No IPD</b>	<b>MVP Requirement for Hospital (HMIS) with IPD</b>	<b>MVP Requirement for LMIS</b>
<b>Core ABDM Requirements</b>			
Creation of ABHA (Health IDs)	Mandatory	Mandatory	Mandatory
Verification of ABHA (Health IDs)	Mandatory	Mandatory	Mandatory
Profile Sharing using QR Code	Suggested	Suggested	Suggested
Health Records Sharing using QR Code	Suggested	Suggested	Suggested
Is ABHA creation native to HMIS/LMIS System	Mandatory	Mandatory	Mandatory
Linking of Patient specific health record against a specific ABHA id.	Mandatory	Mandatory	Mandatory
Exchange of Health Records with other HMIS/LMIS / ABDM Compliant Solutions	Mandatory	Mandatory	Mandatory
View of Health Records generated in HMIS/LMIS or shared by other HMIS/LMIS	Mandatory	Mandatory	Suggested
Cloud Based Storage (+ Disaster Recovery Plan)	Mandatory	Suggested	To be mandated in future
Mobile App for access by Patients	Suggested	Suggested	Suggested
Mobile App for access by Doctors/Health professionals	Mandatory	Mandatory	Mandatory
Mobile App for access by Receptionist and other staff	Suggested	Suggested	Suggested
Compliant with Set of Consent Manager and ABDM APIs	Mandatory	Mandatory	Mandatory
Upcoming Feature * Health Claim Exchange	Suggested	To be mandated in future	NA
Upcoming Feature * Unified Health Interface – Teleconsultation	To be mandated in future	To be mandated in future	NA

Core Functionalities/Functional Modules			
OPD Registration	Mandatory	Mandatory	Mandatory
Laboratory Reports	Suggested	Mandatory	Mandatory
Radiology	Suggested	Mandatory	Mandatory
Billing	Mandatory	Mandatory	Mandatory
Discharge Summary	NA	Mandatory	NA
OP Consultation	Mandatory	Mandatory	Mandatory
IPD	NA	Mandatory	Suggested
OT	NA	Suggested	Suggested
Pharmacy	Suggested	Mandatory	Suggested
Inventory	Suggested	Suggested	Suggested
Dashboard for public health purposes	Suggested	Suggested	Suggested
Speech to Text and Text To Speech Novel methods of data entry (smart pen, paper, voice commands, etc.)	Suggested	Suggested	Suggested
Interface with Medical device using standards	Suggested	Suggested	Suggested
Artificial Intelligence (use of AI/ML for data entry, collection for research purposes)	Suggested	Suggested	Suggested
Multilingual	Suggested	Suggested	Suggested
Compliance to Standards			
Standards for Coding: SNOMED CT (HMIS)	To be mandated in future	To be mandated in future	To be mandated in future
WHO (ICD) (HMIS) -Optional (Map from SNOMED may be used for reporting )	To be mandated in future	To be mandated in future	To be mandated in future
LOINC (LMIS)	Suggested	To be mandated in future	Mandatory
Standards for Clinical Information Exchange :  ABDM supported FHIR (R4) Standard and Profiles - 'Unstructured' format -	Mandatory	Mandatory	Mandatory
Standards for Clinical Information Exchange :  ABDM supported FHIR (R4)Standard and Profiles - 'Structured' format	To be mandated in future	To be mandated in future	To be mandated in future
Capturing of Data  Still Image ( JPEG) PDF A2 Format	Mandatory	Mandatory	Mandatory

Capturing of Data (Audio/ Videos)  Audio (MP3/ OGG Format) Video ( MP4/MOV Format)	To be mandated in future	Mandatory	To be mandated in future
Interface with DICOM Compliant RIS ( Radiology Information System) • DICOM compliant files/reports DICOM Compliant PACS Interface, if separate RIS	Suggested	Mandatory	Mandatory
Interface with LOINC Compliant LIS (Laboratory Information System), if separate LIS • HL7 v2.8.2 based order management and reporting. • LOINC codes for tests and observations	Suggested	Suggested	Suggested
Privacy and Security Standards: - Alignment with Health Data Management Policy - Access control - Transport Encryption - Data Encryption (at rest) - Audit trail	Mandatory	Mandatory	Mandatory
Compliance with ISO 18308:2011 Standards ( Requirements of electronic Health Record Architecture)	Suggested	Suggested	Suggested
Compliance with ISO/HL7 10781:2015 Standard (Health Informatics — HL7 Electronic Health Records-System Functional Model, Release 2 (EHR FM))	Suggested	Suggested	Suggested