

Electronic Health Record Standardization

Definition: EHR [standardization](#) refers to the process of applying common [structures](#), terminologies, and [communication protocols](#) to [electronic health records](#) to ensure [consistency](#) and [interoperability](#) across [healthcare systems](#).

Key Elements:

- Terminologies: [SNOMED CT](#), [LOINC](#), [ICD-10](#)
- Data exchange formats: [HL7 FHIR](#), CDA
- Data models: [OMOP](#), [openEHR](#)
- Structured documentation: templates for notes, diagnostics, procedures

Goals:

1. Facilitate sharing of health data across institutions
2. Improve clinical decision-making and patient safety
3. Enable research, audits, and public health initiatives
4. Support AI and analytics by providing high-quality, structured data

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