

# Data Model Terminology Mapping - Hypertension Monitoring

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## Mapped Attributes and Terminologies

- Attribute: Diagnosis
  - Value: Hypertension
  - Code: I10
  - System: ICD-10
- Attribute: Vital Signs
  - Value: Systolic Blood Pressure
  - Code: 8480-6
  - System: LOINC
- Attribute: Medication
  - Value: Lisinopril 10mg Tablet
  - Code: 197361
  - System: RxNorm
- Attribute: Lab Test
  - Value: Creatinine (serum)
  - Code: 2160-0
  - System: LOINC
- **System Code Descriptions**
  - ICD-10 – International Classification of Diseases, 10th Revision: ICD-10 is used globally to classify and code all diagnoses, symptoms, and procedures. It supports healthcare statistics, billing, epidemiological studies, and clinical documentation.
  - LOINC – Logical Observation Identifiers Names and Codes: LOINC is used to standardize codes for lab tests and clinical observations. It ensures consistent naming and exchange of medical test results across systems and providers.
  - RxNorm – Normalized Names for Clinical Drugs: RxNorm provides standardized names and codes for clinical drugs. It supports electronic prescribing, drug interaction checking, and integration of pharmacy systems.