

## Indian Standard

# HEALTH INFORMATICS — VOCABULARY FOR TERMINOLOGICAL SYSTEMS

### 1 Scope

#### 1.1 Main purposes

This International Standard defines a set of basic concepts required to describe formal concept representation systems, especially for health sciences, and describes representation of concepts and characteristics, for use especially in formal computer-based concept representation systems. A main motivation is to make it possible to precisely describe content models described in other International Standards.

The principles established by ISO/TC 37 are extended here into a formal system suited to health informatics.

Potential uses for this International Standard are

- to describe formal definitions, parts of definitions and how they are related, and
- to describe patterns for concept representation in a particular domain.

#### 1.2 Target groups

The target groups for this International Standard are

- developers of concept representation systems for different health care domains,
- developers of standards for concept representation, especially those describing domain concept models,
- information modellers, knowledge engineers, and standards developers building information models for health information systems, such as electronic health records and decision support systems,
- developers of information systems that require an explicit system of concepts for internal organization, data warehouse management and middleware services.

#### 1.3 Topics not considered

This International Standard does not include enumeration of axiomatic concepts and semantic links, or detailed content of health terminology systems (classifications, nomenclatures or reference terminology of health concepts).