

ICS 35.240.80

CCS L 67



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 39087-2020**

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**Health informatics - Health informatics profiling framework**

**Issued on: September 29, 2020**

**Implemented on: April 1, 2021**

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**Issued by: State Administration for Market Regulation, China National  
Standardization Administration**

## Table of Contents

|                                                                                             |    |
|---------------------------------------------------------------------------------------------|----|
| 1 Scope .....                                                                               | 1  |
| 2 Terms and definitions .....                                                               | 1  |
| 3 HIPF general rules .....                                                                  | 2  |
| 4 HIPF method .....                                                                         | 3  |
| 5 Reference and comparison between HIPF and other frameworks .....                          | 7  |
| Appendix A (informative appendix) HIPF background description .....                         | 8  |
| Appendix B (informative appendix) HIPF example meta-model .....                             | 10 |
| Appendix C (informative appendix) HIPF unit example .....                                   | 13 |
| Appendix D (informative appendix) Comparison of HIPF with other frameworks and models ..... | 15 |
| Reference .....                                                                             | 16 |

## Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify and adopt ISO /T R17119.2005 "Health Informatics Health Informatics Characterization Framework".

Compared with ISO /T R17119.2005, this standard has made the following structural adjustments.

--- Deleted Appendix E of ISO /T R17119.2005.

The technical differences between this standard and ISO /T R17119.2005 and the reasons are as follows.

---The scope of this standard was modified in accordance with the rules of GB/T 1.1-2009, and 1.1 in ISO /T R17119.2005 was deleted

And 1.4, adjust 1.2 and 1.3 in ISO /T R17119.2005 to Appendix A;

---Deleted 7 terms in ISO /T R17119.2005.2.2compatibility, 2.3concept, 2.5data, 2.7granularity, 2.13information, 2.14interface, 2.16top-down, to adapt to my country's technical conditions;

--- Deleted paragraph 4 and subsequent paragraphs in 3.1 of ISO /T R17119.2005 to adapt to my country's technical conditions;

---Adjust paragraphs 2 and 3 in 3.2 of ISO /T R17119.2005 to note (see 3.2) to adapt to my

country's technical conditions;

--- Deleted paragraphs 1 to 4 in 3.3 of ISO /T R17119.2005 to adapt to my country's technical conditions;

--- Modify multiple suspended paragraphs in Chapter 4 of ISO /T R17119.2005 into clauses, and delete ISO /T R17119.2005

The second and third paragraphs of 4.1 in order to adapt to my country's technical conditions;

--- Deleted the first and third paragraphs in Chapter 5 of ISO /T R17119.2005 to adapt to the technical conditions of our country.

This standard also made the following editorial changes.

---Deleted the explanatory paragraph about the international standard formulation process in Appendix A of ISO /T R17119.2005;

---Corrected the format error of Table D.1 in ISO /T R17119.2005;

---Unify the "physical layer" and "physical design layer" into the "physical design layer" in the full text.

This standard was proposed and managed by the China National Institute of Standardization.

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## Introduction

The Health Informatics Profiling Framework (HIPF) aims to describe health information in an orderly manner.

Information science standard artifacts. As a general description method, HIPF can promote the coordination of interdisciplinary and cross-jurisdictional health informatics standards.

Harmony, communication and comparability. HIPF is based on other important information frameworks.

This standard is not used to limit or promote the consistency between informatics standards and its formulation work, but to describe existing and ongoing

The established health informatics standards provide a useful description tool.

Feature description framework of health informatics

## 1 Scope

This standard specifies the concept, method and application of the health informatics characterization framework, and gives a reference and comparison with other frameworks.

This standard applies to the development and application of health informatics standards.

## 2 Terms and definitions

The following terms and definitions apply to this document.

### 2.1

Artifact

Models, documents or work products.

### 2.2

Context

Conditions and situations used to understand the meaning and meaning of a subject.

### 2.3

Framework

A structure used to support or encapsulate other things, usually used to divide complex things into multiple simple components.

### 2.4

Health informatics characterization framework healthinformaticsprofilingframework

HIPF

A method and tool for describing various artifacts in the field of health informatics standards.

## 2.5

### HIPF unit HIPFcel

A unit defined in the context of the HIPF classification matrix and formed by the intersection of the HIPF perspective and the HIPF specificity.

## 2.6

### HIPF classification matrix HIPF classification matrix

Including the dimensions of health informatics standard artifacts---a structure of specificity levels and perspectives.

## 2.7

### HIPF perspective HIPF perspective

A classification dimension that distinguishes health informatics standard artifacts according to their viewpoints, expected goals, or concerns.

Note. This classification dimension includes 6 perspectives. content, method, location, participant, time and reason, see 4.2.2.3 for details.

## 2.8

### HIPF specificity

A classification dimension that distinguishes health informatics standard artifacts according to their level of abstraction in implementing regulations.

Note. This classification dimension includes 3 specific layers, namely conceptual layer, logical layer and physical design layer, see 4.2.2.2 for details.

## 2.9

### Feature profile

Brief description, outline or summary.