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

GB/T 42410-2023

**Health informatics - Profiling framework for traditional Chinese
medicine informatics standards**

健康信息学 中医药信息标准特征描述框架

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Foreword

This document was issued on 17 March 2023 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 17 March 2023.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies when assessing a submission.

It is classified under ICS 35.240.80, Chinese classification C07.

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document is modified to adopt ISO /T S18790-1.2015 "Health Informatics Traditional Medical Information Standard Feature Description Framework and Classification

Part 1. Traditional Chinese Medicine", the document type is adjusted from the ISO technical specification to the national standard of our country.

Compared with ISO /T S18790-1.2015, this document has made the following structural adjustments.

---Adjust 4.4 of ISO /T S18790-1.2015 to 4.2 of this document;

---Adjust 4.2 of ISO /T S18790-1.2015 to 4.4 of this document;

---Adjust 4.5 of ISO /T S18790-1.2015 to Appendix A of this document.

The technical differences between this document and ISO /T S18790-1.2015 and their reasons are as follows.

--- Deleted the terms and definitions of "artifact" and "characteristic" (see 3.1, 3.6 in ISO /T S18790-1.2015), because it is not in the text

use;

--- Increased the terms and definitions of "semantic network" and "information model" (see 3.6, 3.9) to adapt to my country's national conditions;

---Changed the "business domain" (see 4.2, 4.4 of ISO /T S18790-1.2015), the changed business domain is traditional Chinese medicine, traditional Chinese medicine, acupuncture,

Traditional Chinese medicine culture and traditional Chinese medicine management, in order to adapt to the current situation and development trend of Chinese medicine information standards in our country.

The following editorial changes have been made to this document.

---In order to coordinate with the existing standards, change the name of the standard to "Characteristic Description Framework of Health Informatics Traditional Chinese Medicine Information Standard";

---Adjust the main purpose, significance and target groups in Chapter 1 "Scope" of ISO /T S18790-1.2015 to the "Introduction" of this document

Word".

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

This document is proposed and managed by China National Institute of Standardization.

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Introduction

The standard system is a scientific organic whole formed by the standards within a certain range according to their internal relations, and the characteristic description of the establishment of TCM information standards

Based on the above-mentioned framework, the top-level design of the TCM information standard system is conducive to understanding the overall picture of the TCM information

standard system, so as to guide the development of TCM information standards.

Improve the scientificity, comprehensiveness, systematicness and predictability of the standardization work.

This document provides a framework for describing the characteristics of TCM information standards, reflects the needs of TCM information standardization, and supports TCM information standards.

The definition and classification of standards can be used in the planning and formulation of TCM information standards and the establishment of standard systems, serving the development of TCM information standards.

Development personnel, review personnel, management personnel and relevant standard application personnel, and coordinate through the consistent understanding of the standard development objectives and contents of all parties

The formulation of TCM information standards promotes the cohesion and consistency of the various standards in the standard system in terms of content, so that they complement each other, interdependence, and common

Constitute a complete whole together, and at the same time promote the coordination between TCM information standards and health information standards.

This document divides the complex TCM information standard system into three comprehensible dimensions, and provides a basis for the classification of TCM information standards.

A set of concepts and terminology, timely discover the overlap between different standard items, so as to better coordinate the standardization of traditional Chinese medicine information

To improve the understanding of TCM information standards, which is conducive to knowledge management in the field of TCM information standardization.

Health Informatics

Characteristic description framework of traditional Chinese medicine information standard

1 Scope

GB/T 42410-2023 covers a common way of describing what any given traditional Chinese medicine informatics standard is for and where it sits - a profiling framework built on three axes: the business domain the standard serves, its specificity, meaning how far its content is particular to traditional Chinese medicine rather than general to health care, and the informatization elements it addresses. Standards for TCM information have been written by different bodies at different times, and without a shared way of characterising them the

same ground gets covered twice while gaps go unnoticed, and a drafter cannot tell whether a document that already exists answers the need in front of him. Placing every standard on the same three axes makes the collection legible as a system: what exists, what overlaps, and what is missing from it. The terms are those of GB/T 39087-2020, and the framework is a modified adoption of ISO/TS 18790-1:2015. Written for the people who draft, review, administer and apply TCM information standards, and in particular for those planning the standard system as a whole rather than a single document within it.

This document specifies the characteristic description framework of TCM information standards, and provides a general description method for TCM information standards.

This document is applicable to developers, reviewers, managers and application personnel of TCM information standards to formulate and plan TCM information

Standards, the establishment of a standard system.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document.

GB/T 39087-2020 Health Informatics Health Informatics Characterization Framework (ISO /T R17119.2005, MOD)

3 Terms and Definitions

The following terms and definitions defined in GB/T 39087-2020 apply to this document.

3.1

concept concept

A unit of knowledge formed by a unique combination of features.

[Source. ISO 1087-1.2000, 3.2.1]

3.2

Entity entity

anything concrete or abstract.

[Source. ISO /IEC 10746-2.2009,6.1]