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

GB/T 44662-2024

**Health management - Data collection and transmission protocol
of terminal equipment**

健康管理 终端设备数据采集与传输协议

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

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1 Scope

GB/T 44662-2024 specifies the protocol by which health management terminal equipment collects data and transmits it. The terminals are blood pressure monitors, glucose meters, scales, ECG patches and wearables, made by hundreds of manufacturers each with its own encoding, and a chronic disease management platform has to accept readings from all of them and know what a value means, in what units, taken at what time, with what quality flag. The standard sets the data collection - the types collected, the collection methods and the requirements on them - the transport protocol, with its basic requirements, data structure, encoding rules and communication process, and the basic technical requirements on the transmission, covering accuracy, timeliness, reliability and security. It takes effect on 1 April 2025.

This document specifies the data collection, data transmission protocol, basic and enhanced technical requirements for data transmission of health terminal devices. This document is applicable to the design and development of data collection and transmission protocols for health terminal devices.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 2260 Administrative division codes of the People's Republic of China

GB/T 39087 Health informatics Health informatics characterization framework

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 In the perception extension layer of the health Internet of Things, it has functions such as information collection and control, and can access the gateway of the health Internet of Things or communicate directly with A device that enables related functional entities in a network to interact.

Note. This document refers to it as "health terminal".

3.2 Privacy The rights that individuals have to control or influence health-related information, including who collects and stores it and who discloses it.

3.3 sensitive information Once leaked, illegally provided or abused, it may endanger personal and property safety and easily lead to damage to personal reputation, physical and mental health or discrimination. health information including sexual discrimination.

3.4 Through data interaction, command initiation and command response of health information, data storage, processing and analysis are completed to provide users with appropriate System using services.

3.5 heartbeatpacket A data packet sent between the health terminal and the remote monitoring system at a certain time interval to notify each other of their status.

4 Abbreviations

The following abbreviations apply to this document.