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

GB/T 44603-2024

**Health informatics - Specifications of cardiac arrest
investigation basic contents and data**

健康信息学 心脏骤停调查基本内容与数据规范

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Foreword

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. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is

proposed and coordinated by the China National Institute of Standardization. This document was drafted by: Qilu Hospital of Shandong University, China National Institute of Standardization, China-Japan Friendship Hospital (China-Japan Friendship Clinical Medicine Research Institute Institute), Chongqing Emergency Medical Center (Chongqing Fourth People's Hospital, Chongqing Emergency Medical Research Institute), Xuzhou Medical University Affiliated Hospital, The First Affiliated Hospital of Xinjiang Medical University, Jinan Emergency Center, Hefei Emergency Center, The First Affiliated Hospital of Nanchang University, Henan Provincial People's Hospital Hospital, Zhengzhou Emergency Medical Rescue Center, Harbin Emergency Center, Lanzhou University Second Hospital, Beijing Emergency Center (Beijing Emergency Medical Rescue Center Assistance Center, Beijing Institute of Emergency Medicine), Wuhan University People's Hospital (Hubei Provincial People's Hospital), Hunan Provincial People's Hospital (Hunan Normal University First Affiliated Hospital of the University of Science and Technology), Xi'an Emergency Center, Shenzhen Emergency Center, Ningxia Hui Autonomous Region People's Hospital, Haikou 120 Emergency Center (Haikou Emergency Medical Rescue Center), the Second Affiliated Hospital of Guangxi Medical University (Second Clinical Medical College of Guangxi Medical University), Tianjin Medical University The Second Affiliated Hospital of Zhejiang University School of Medicine (Zhejiang Provincial Second Hospital), Nanning Emergency Medical Center, Shandong Health Medical Big Data Management Center, Affiliated Hospital of Guizhou Medical University, First Affiliated Hospital of Guangxi Medical University, First Affiliated Hospital of Harbin Medical University (Harbin The First Clinical Medical College of Medical University, Heilongjiang Institute of Hematology and Oncology, Heilongjiang Stem Cell Bank, Heilongjiang Liver and Spleen Surgery Center), The Second Affiliated Hospital of Harbin Medical University (The Second Clinical Medical College of Harbin Medical University), the Third People's Hospital of Haikou (The Third People's Hospital of Haikou People's Hospital Medical Group Headquarters), Fujian University of Technology, and Wenshang County People's Hospital. The main drafters of this document are. Chen Yuguo, Xu Feng, Ren Guanhua, Zhang Guoqiang, Yan Shengtao, Ma Yu, Yan Xianliang, Peng Peng, Liu Jialiang, Xu Xiaoyang, Wang Zhuo, Huang Liang, Qin Lijie, Xie Yongfu, Jiang Guolin, Li Peiwu, Zhang Jinjun, Wei Jie, Han Xiaotong, Zhao Qinpeng, Zhou Qiang, Zhang Ling, Fu Jie, Zhang Jianfeng, Chai Yanfen, Zhou Guangju, Liao Kai, Chi Weiwei, Wu Guofeng, Li Chaoqian, Liang Xiankai, Deng Ying, Ouyang Jiemiao, Wang Zhimin, Guo Zonglin, Wang Chunyi, Zheng Jiaqi and Zhang Jianbo. Health Informatics Basic content and data specifications for cardiac arrest investigation

1 Scope

GB/T 44603-2024 specifies the basic content and the data set for cardiac arrest investigation in China. Out-of-hospital cardiac arrest is the clearest case in medicine where outcomes depend on a system rather than on a hospital, the bystander, the dispatcher, the response time, the defibrillator, the transport, and the only way to improve that system is a

registry in which every case is recorded the same way, which is what the Utstein template did internationally and what this standard does for China. It sets the basic content of a cardiac arrest investigation and its classification, then the metadata description of the survey data, defining each data element with its name, definition, data type, value domain and permitted values, covering the patient, the event, the bystander response, the emergency medical service response and intervals, the resuscitation performed, the in-hospital treatment and the outcome at each defined point. For a health authority, a registry operator or a researcher working with Chinese resuscitation data, this is the document that makes the figures comparable. It took effect on 29 September 2024.

This document establishes the basic content and classification of cardiac arrest investigation, establishes a cardiac arrest investigation data meta-model, and gives Survey Data Meta-Directory, describing the validation methods for cardiac arrest survey data. This document is applicable to emergency centers (stations), hospitals conducting cardiac arrest investigations, as well as scientific research institutes, colleges and universities, medical institutions, etc. Use, management and sharing of data.

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 2261.1 Classification and coding of basic personal information Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Cardiac arrest;CA A state in which the heart suddenly stops pumping blood, resulting in interruption of blood circulation throughout the body, respiratory arrest, and loss of consciousness.

3.2 Before the patient is sent to a medical institution for treatment, the emergency center (station) and the network hospital responsible for pre-hospital medical emergency shall follow the unified command and dispatch. Medical activities carried out outside medical institutions, mainly focusing on on-site rescue, emergency treatment during transportation and monitoring.

3.3 Cardiac arrest that occurs outside of a hospital and is treated by pre-hospital emergency medical services.

3.4 Cardiac arrest that occurs in a hospital and in which cardiopulmonary resuscitation is initiated.

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