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Health management - Storage architecture of health information

健康管理 健康信息存储架构

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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 was proposed by the Ministry of Industry and Information Technology. This document is proposed and coordinated by the National Technical Committee for Standardization of Audio, Video and Multimedia Systems and Equipment (SAC/TC242). This document was drafted by: PLA General Hospital, Beijing Institute of Technology, China Electronics Standardization Institute, Hainan Provincial Education Department of Science and Technology, China Academy of Information and Communications Technology, China National Institute of Standardization, Aobo (Beijing) Intelligent Technology Co., Ltd., China Association for Science and Technology Innovation Strategy Research Institute Hospital, China Association of Geriatrics and Geriatrics, Armed Police Corps Hospital of Liaoning Province, Standard and Quality Center of the State Administration of Grain and Material Reserves, Sun Yat-sen University, Shandong Yahua Electric Co., Ltd., Hunan Tairui Medical Technology Co., Ltd., Shenzhen Bidat Health Technology Co., Ltd., Huarui Tongkang Biotechnology (Shenzhen) Co., Ltd. The main drafters of this document are. Han Lina, Guo Shuli, Wang Hui, Li Qiuyue, He Kunlun, Guo Yanan, Cao Xiankun, Zhao Xiaoying, Zhao Hongliang, Li Zengyong, Min Dong, Ren Guanhua, Ren Peng, Ren Fujun, Hu Fujun, Liu Siyu, Yang Lifei, Zhou Fan, Ling Ge, Zhou Lei, Ye Zhaohui, Zhou Ji, Hei Ailian. Health management health information storage architecture

1 Scope

GB/T 44780-2024 specifies the storage architecture for health information. Health data outlives the systems that create it, which is the whole problem: a record written today has to be readable in thirty years by software nobody has written, and it arrives as documents, images, audio and video with wholly different storage characteristics. The standard follows the two-level approach in which the data structure is separated from the clinical meaning imposed on it. It describes the architecture, then the data layer - document data, image data, audio data, video data, the transmission formats and the security of the layer - and the integration layer, with its terminology package, archetype package and template package, together with the reference archetypes for demographic and clinical data given in the annexes. It takes effect on 1 May 2025.

This document specifies the health information storage architecture and related requirements. This document applies to the design and application of medical terminal equipment and data interaction interfaces. This document is not intended for use in making diagnostic decisions based on electronic health records.

2 Normative references

The contents of the following documents constitute the 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. WH/T 67-2014 Audio Resource Metadata Specification ISO /T S17938.2014 Healthinformatics-Seman- NEMAPS3.3-2007 Digital Imaging and Communications in Medicine (DICOM) Part

3.Information Object Definitions [Digital NEMAPS3.5-2007 Digital Imaging and Communications in Medicine (DICOM) Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 prototype constraints The common constraints of all health information attribute classes under the prototype model are referenced.

4 Abbreviations

The following abbreviations apply to this document. AVSA. Audio, Video, Security, Automation, Intelligent Control