

ICS 11.020
CCS C 07

WS

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

WS/T 526-2016

**Basic functional specification of the maternal and childrens
health service information system
(English Translation)**

Issued on: August 23, 2016

Implemented on: February 1, 2017

**Issued by: National Health and Family Planning Commission of the
People's Republic of China**

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions
4 General
5 Management of "Birth Medical Certificate"
6 Screening of Newborn Inherited Metabolic Diseases
7 Newborn hearing screening
8 Child Health Checkup
9 Management of children with nutritional disorders
10 Death reports of children under 5 years of age
11 Pre-marital health services
12 Pre-pregnancy eugenic health check
13 Health care during pregnancy and childbirth and high-risk management
14 Prenatal screening and diagnosis
15 Birth defect monitoring
16 Report of maternal death
17 Screening for common diseases of women
18 Family planning technical services

Foreword

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

This standard was proposed by the Information Standards Professional Committee of the National Health Standards Committee.

The main drafting units of this standard. China Center for Disease Control and Prevention, Maternal and Child Health Center, National Health and Family Planning Commission Statistical Information Center, Institute of Science and Technology of National Health and Family Planning Commission, Beijing Maternal and Child Health Hospital, Hunan Maternal and Child Health Hospital, Yunnan Maternity and Child Health Hospital, Chongqing Maternal and Child Health Hospital Health Center, Hubei Province Maternal and Child Health Center, Yunnan Province Population and Family Planning Research Institute, Henan Province Population and Family Planning Science and Technology Research Institute,

Wuhan Maternal and Child Health Hospital, Suzhou Maternal and Child Health Center, Liuzhou Maternal and Child Health Hospital.

1 Scope

This standard specifies the basic functions and system safety requirements of the information system for maternal and child health services, the relationship between the functions of the information system, Data sharing and collaboration.

This standard is applicable to medical and health institutions that undertake maternal and child health services and other relevant institutions to perform functions of maternal and child health service information systems.

Planning, design, development, application and evaluation of energy.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

GB/T 20988 Information System Disaster Recovery Specification GB/T 21028 Information Security Technology Server Security Technical Requirements GB/T 25063 Information Security Technology Server Security Evaluation Requirements WS 363 All parts of the health information data meta-directory WS 364 All parts of health information data element range code WS 376 All parts of the basic data set of child care WS 377 All parts of women's health basic data set "National Maternal and Child Health Survey System" (October.2013) "Pre-pregnancy Health Care Service Standards (Trial)" (Wei Fu She Fa (2007) No. 56) "Regulations for Health Care during Pregnancy and Childbirth" (Wei Fu She Fa [2011] No. 56) "National Children's Health Care Work Regulations (Trial)" (Wei Fu She Fa [2009] No. 235) "Premarital Health Care Work Norms" (Revised by the Ministry of Health, Weiji Fufa [2002] No. 147) Detailed Rules for the Implementation of the Regulations on the Administration of Family Planning Technical Services (Order No. 6 of the National Family Planning Commission of the People's Republic of China, 2001) "National Free Pre-pregnancy Pregnancy Health Examination Project Pilot Work Technical Service Specifications (Trial)" (Guo Population Fa (2010) No. 31) "The Basic Framework and Data Standards of Health Records (Trial)" (Weibanfa [2009] No. 46) "Regulations on the Application of Resident Health Cards" (2012) "Regional Health Information Platform and Maternal and Child Health Information System" (2011) "Technical Solution for the Construction of Maternal and Child Health Information System Based on Regional Health Information Platform (Trial)" (Health Affairs Office [2010] 109 number)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Maternal and child health information system

In accordance with the requirements of relevant national laws, regulations and policies, using computer, network communication and other technical means to undertake maternal and child health services the data collected, processed, stored, transmitted and exchanged by the medical and health institutions and other related institutions in the development of maternal and child health services, Analysis and utilization of "logically complete, physically dispersed" business application system. The Maternal and Child Health Service Information System focuses on serving individual residents, it is an important technical support for institutions that provide women and children's health services to provide long-term, continuous and dynamic system health services and scientific management for women and children it also provides reliable data sources for the construction of residents' electronic health records and the management of maternal and child health.

3.2 Regional health information platform, RHIP

A data exchange and sharing platform that connects the basic business information systems of medical and health institutions in the area, which is the integration of information between different systems Foundation and carrier.

4.1 Data standardization requirements

The relevant data content and data standards in the system should follow WS 376-2013 Child Health Basic Data Set and WS 377-2013 Women all parts of the basic health care data set and the "Basic Data Structure and Classification Code of All Staff Population".

4.2 Overall function

The Maternal and Child Health Service Information System is an open information system with "logical integrity and physical dispersion" that needs to be run across institutions or even across regions.

In terms of logical structure, its system functions are complete, supporting the operation of the entire maternal and child health business. In terms of physical structure, it is made up of independent at the business level, a number of business applications running in multiple different organizations are combined organically according to certain business rules.

The Maternal and Child Health Service Information System mainly has the following 14 basic functions.

a) Management of "Birth Medical Certificate";

- b) Screening for neonatal genetic and metabolic diseases;
- c) Newborn hearing screening;
- d) Child health examination;
- e) Management of children with nutritional diseases;
- f) Death reports of children under 5 years old;
- g) Pre-marital health services;
- h) Pre-pregnancy eugenic health check
- i) Health care during pregnancy and childbirth and high-risk management;
- j) Prenatal screening and diagnosis;
- k) Birth defect monitoring;
- l) Report of maternal death;
- m) Screening for common diseases of women;
- n) Family planning technical services.

4.3 Functional structure diagram

The functional structure diagram is shown in Figure 1.

Figure 1 The functional structure diagram of the information system of maternal and child health service

4.4 General functions

General functions are generally applicable to all businesses of maternal and child health services, mainly including.

- Appointment service. It supports service functions such as appointment registration, and can make appointments for medical appointments through a variety of terminal devices.

--Health education. Push related health education content according to different business functions to realize health education and guidance functions.

--Data collection. Provide convenient case data entry function, can import or receive standard data and share documents.

--Data management. directly modify and delete the unarchived data. Generally, it is not recommended to modify the archived data directly or delete, but indirectly realize the modification or deletion of data through logout or addition, and record the modification log to realize the Protection and traceability of archived data.