



# THE HYGIENE SAFETY-TOTALLY AUTOMATIC

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# WHY

## Establish the Hygiene Safety-Totally Automatic

Strengthening hospital infection management is an important step of modern hospital construction, the development trend of which is to promote high-quality hospital development, further improve the hospital infection management level and establish the Hygiene Safety-Totally Automatic. Hospitals can be better developed by improving the infection control level of the medical institutions, improving the infrastructure construction and equipment configuration, strictly implementing the standard disinfection procedure, cutting off the route and transmission of infection, reducing the transmission risk of infectious diseases.

Modern Hospital Construction

High-quality Development

Standard Procedure



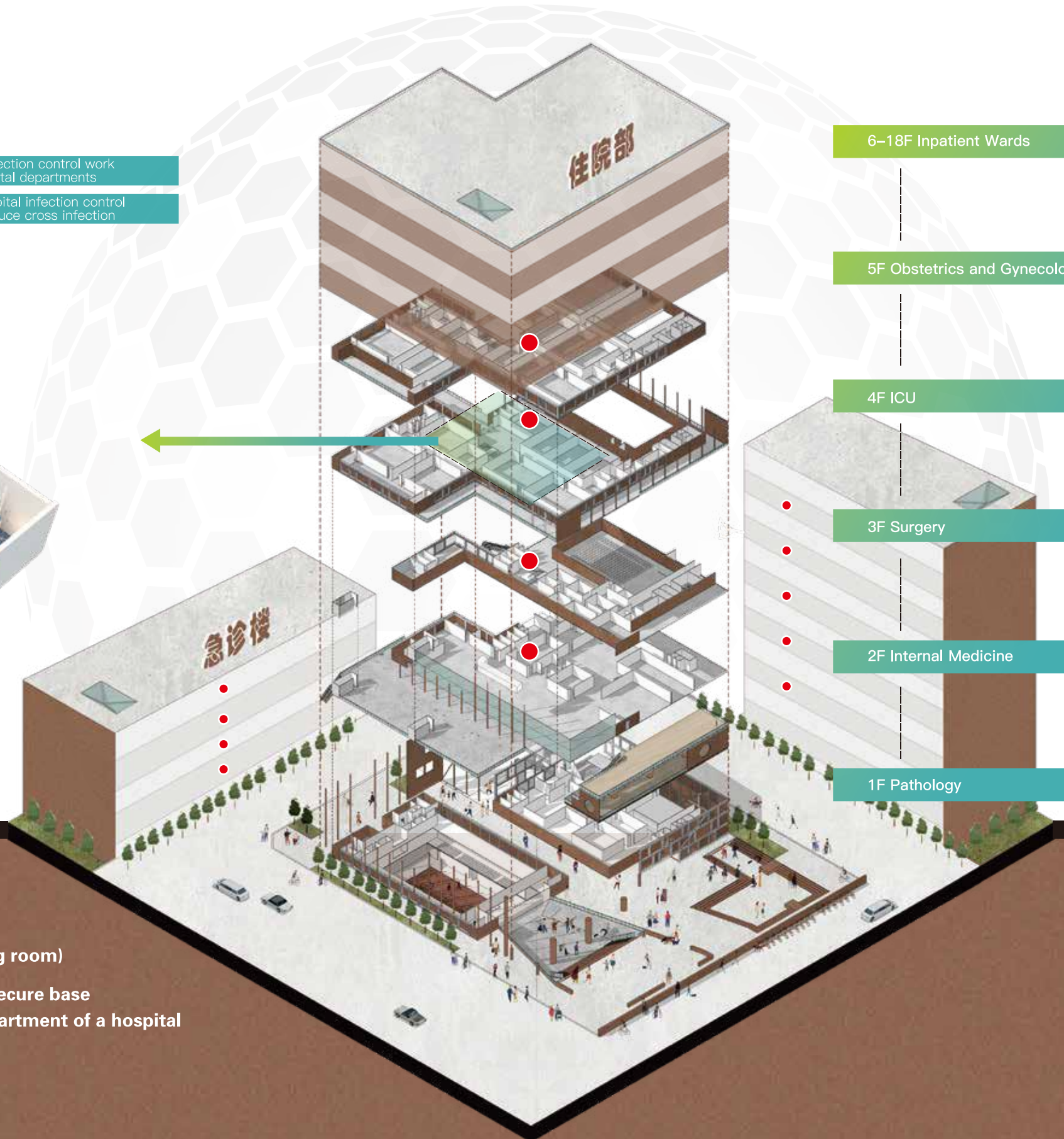
# Significance of the Hygiene Safety-Totally Automatic

Reduce the infection risk of MDROS

Guarantee the compliance, visualization and standardization of disinfection

Support the infection control work of the hospital departments

Improve the hospital infection control ability and reduce cross infection



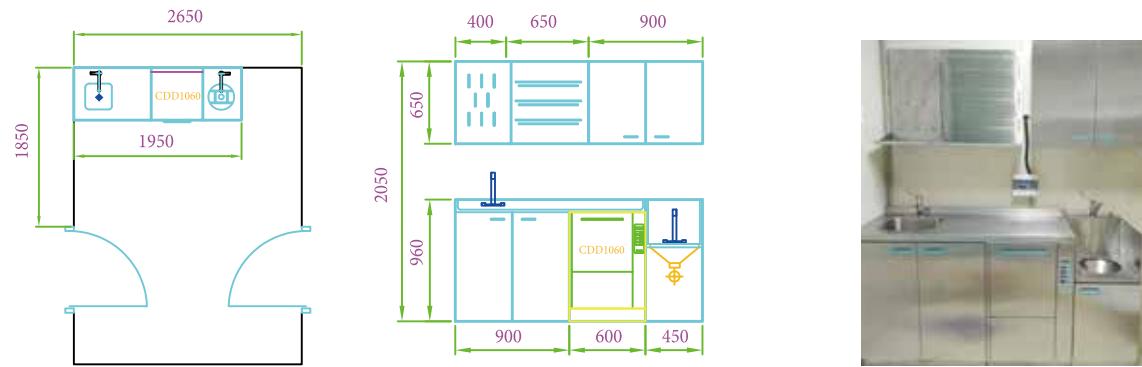
Notes: ● With Hygiene Safety-Totally Automatic (Cleaning room)

The Hygiene Safety-Totally Automatic builds a secure base for the emergency department and inpatient department of a hospital

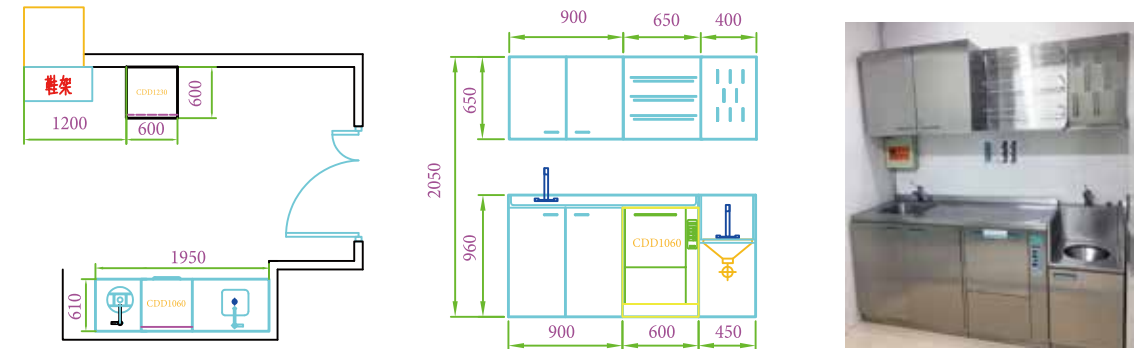


# Application cases

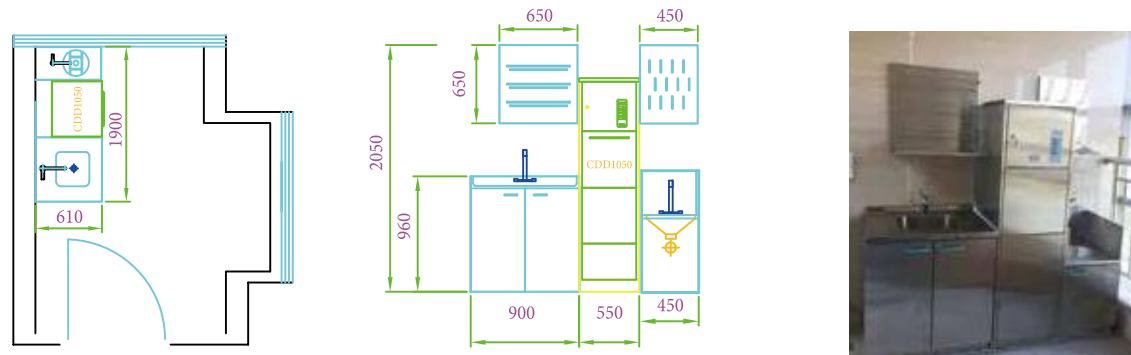
Case ① XX Hospital



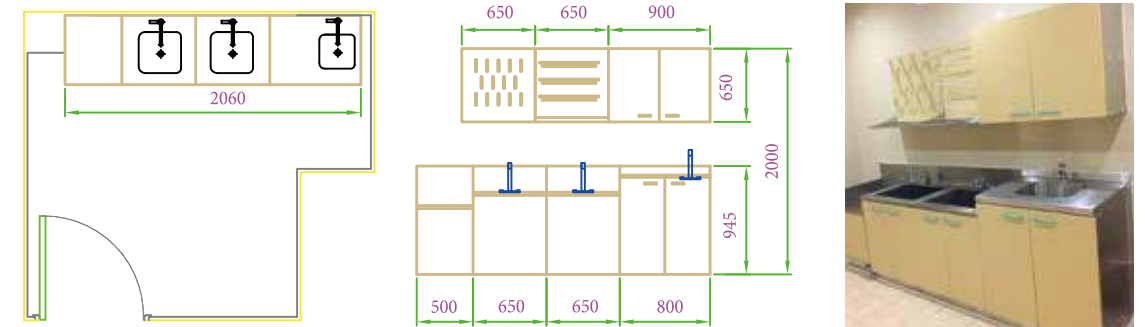
Case ④ XX Hospital



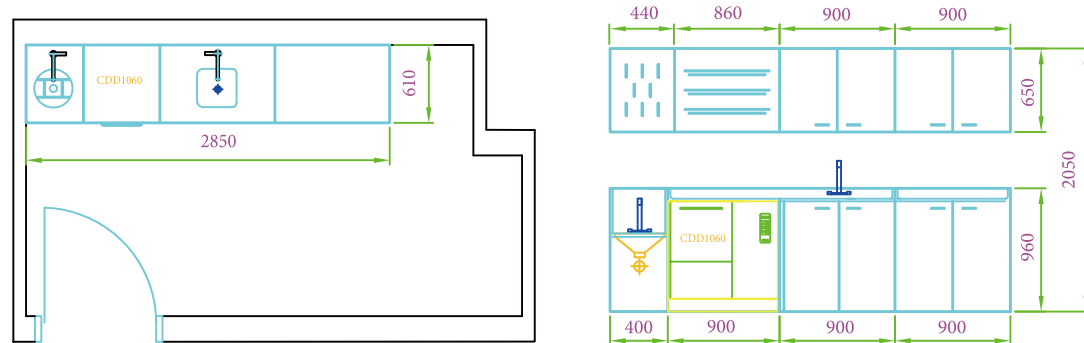
Case ② XX Hospital



Case ⑤ XX Hospital



Case ③ XX Welfare House



# The Hygiene Safety-Totally Automatic of Modern Intelligent Hospitals



**Emptying**  
Filtration emptying (including body secretions, drains, vomitus, urine, faces, etc.). Since the filth may carry the risk of transmission, most filth shall be automatically emptied when disposing of the vessels.

**Washing and disinfection**  
Washing and thermal disinfection of the patients' equipment belongings (suction bottle, spittoon, bucket, bed pan, urinal, etc.) and pretreatment of the surgical instruments.

**Drying**  
The patients' equipment belongs and the surgical instruments will be cooled and dried inside a chamber after the disinfection to improve the reusability and avoid secondary bacteria breeding caused by natural drying.

**Storage**  
Short-term storage of the cleaning materials. The whole device is made of stainless steel, is seamless and seamless and the overall layout is designed in accordance with the washing and disinfection procedure.

## Advantages of the modern cleaning rooms

Simple, safe and traceable physical disinfection method	Keep the cleaning room clean and dry
Prevent MDRO infection and reduce the risk of infection	Achieve the internal circulation of patients' equipment
Achieve pretreatment of instruments and prevent spore residual	Safe operation and reliable occupational protection
Complete, controllable and secure infection control network	Modern high-level configuration



# Applicable national standards for medical institutions

**WS/T 510-2016**

**Regulation for Healthcare Associated Infection Control Inside in Healthcare Facilities**

**7.3.4.1** The sanitation supplies, such as the towel, wash basin, spittoon (cup), urinal, bed pan and tableware, shall be kept clean and exclusively used, and disinfected on a regular basis. Terminal disinfection shall be performed on the used sanitation supplies of a patient shall be after discharge, transfer or death.

**7.3.4.2** Bedpan sterilizer can be provided in the cleaning room if conditions permit.

**WS/T 509-2016**

**Regulation for Prevention and Control Healthcare Associated Infection in Intensive Care Unit**

**Requirements for washing and disinfection of urinals and bedpans**

**13.1** The urinals and bedpans shall be exclusively used, cleaned and disinfected every day.

**13.2** The bedpans of the patients with diarrhea shall be disinfected after every use.

**13.3** Hospitals may use special bedpan sterilizers if conditions permit and disinfect after every use.

**WS/T 508-2016**

**Regulation for Washing and Disinfection Technique of Medical Textiles in Healthcare Facilities**

**Infectious textiles**

**6.1.2.2** Professional washing and disinfection methods shall be adopted for the infectious textiles instead of hand washing. Thermal washing is preferred. Isolated washing equipment shall be used if conditions permit.

**WS/T 367-2012**

**Regulation of Disinfection Technique in Healthcare Settings**

**4.3a** The medical instruments and articles entering the aseptic tissues, organs and lacunas of the human body or in contact with the damaged skin, the damaged mucosa and tissue shall be sterilized;

**4.3b** The medical instruments and articles in contact with undamaged skin and mucosa shall be disinfected.

**5.1.1** The reusable medical instruments and articles shall be cleaned first and then disinfected or sterilized.

**DB31/T 397-2021**

**Hygiene Requirements of Healthcare Textile Washing and Disinfection**

**Washing and disinfection**

**6.4.3** The infectious textiles, collected in water-soluble packing bags or disinfected with the method specified in WS/T 367 shall be directly put into the special washing equipment. Special isolated washers and dehydrators shall be used. Washing and disinfection can be done at the same time.

**Drying and ironing**

**A3.1.1** The iatrogenic textiles including the patients' clothes and the medical workers' overalls, operating coats, surgical drapes, floor towels and cloths shall be dried in the dryer after being washed and disinfected iron as normal.

# 1 Bedpan washer

It is used for efficient emptying, washing and disinfecting of the patients' filth vessels to kill surface bacteria free of hidden areas. High-pressure thermal disinfection system and modular cabinet can help medical workers manage the washing, disinfection and storage of the filth vessels and effectively keep the cleaning room clean and dry.

Model: CDD1030/CDD1050/CDD1060/CDD1090 Product configuration

## Operating principles



### Standard configuration

- Washing and disinfection monitoring
- Microprocessor control
- Powerful rotating nozzle system
- A0 value real-time monitoring
- Corrosion resistant AISI316
- Softening and disinfecting quantization monitoring
- High-pressure washing system
- \* Functions of all models

### Medium configuration

- Opening the door by pedal
- Opening the door by infrared induction
- Fan auxiliary cooling system
- Softened water and external steam

### Advanced configuration

- Double control to open the door by infrared induction + pedal
- 24-hour system self-disinfection function



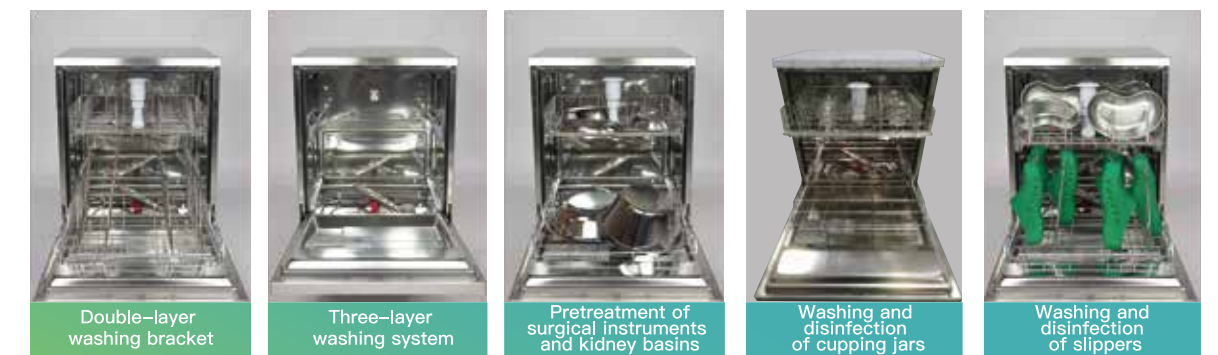
The universal washing bracket can be used to wash all kinds of filth vessels to satisfy your personalized demand



# 2 Cleaning And Disinfection Machine

It is used for the pretreatment of surgical instruments and kidney basins, and the washing and disinfection of cupping jars and slippers to ensure the safe use of reusable articles.

Model: CDD1230C



- Double-layer stainless steel base, with good sound and thermal insulation performance;
- Double-layer solid door, with good leakproofness;
- Internal round corner design, which is not easy to hide dirt;
- 3 washing arms, with no hidden areas;
- Built-in steam condenser to achieve fast cooling;
- Security door, which can be opened after the washing is completed.

# 3 Fabric Cleaning Machine

Model: FCD1000

It can effectively kill 99.84% escherichia coli and 99.99% staphylococcus aureus and improve the drying efficiency to guarantee sterilization and disinfection, replacing manually hanging up to dry. The thermal disinfection A0 value is higher than 600, which conforms to WS/T508-2016 Regulation for Washing and Disinfection Technique of Medical Textiles in Healthcare Facilities and ensures the disinfection effect of reusable towels and clothes.





# Coverage by the Hygiene Safety-Totally Automatic

List of clients:

Ruijin Hospital Affiliated to Shanghai Jiaotong University School of Medicine  
 Zhongshan Hospital Affiliated to Fudan University  
 Huashan Hospital Affiliated to Fudan University  
 Tongji Hospital of Tongji University  
 Huadong Hospital Affiliated to Fudan University  
 Shanghai Sixth People's Hospital  
 Shanghai Sixth People's Hospital (East Branch)  
 Shanghai Tenth People's Hospital  
 Shanghai Chest Hospital  
 Shanghai Children's Medical Center  
 Shanghai Jiading Social Welfare Institute

General Hospital of Eastern Theater Command  
 Wuxi No. 5 People's Hospital  
 Nanjing Drum Tower Hospital  
 Nanjing Public Health Medical Center  
 Suqian First People's Hospital  
 Zhangjiagang No. 1 People's Hospital  
 Suzhou Integrated Traditional Chinese and Western Medicine Hospital  
 Zhongda Hospital Southeast University  
 Kunshan No. 2 People's Hospital  
 Lianyungang Oriental Hospital  
 The Second Affiliated Hospital of Nanjing Medical University  
 Wuxi Ruijin Hospital  
 Huai'an Central Hospital  
 Huai'an No. 4 People's Hospital  
 Suzhou No. 5 People's Hospital

The First Affiliated Hospital, Zhejiang University School of Medicine  
 The First Affiliated Hospital, Zhejiang University School of Medicine (Qingchun Branch)  
 The First Affiliated Hospital, Zhejiang University School of Medicine (Zhijiang Branch)  
 The First Affiliated Hospital, Zhejiang University School of Medicine (Yuhang Branch)  
 Women's Hospital, School of Medicine, Zhejiang University  
 Zhejiang Provincial People's Hospital  
 Yuyao People's Hospital of Zhejiang Province  
 The First Affiliated Hospital, Zhejiang University School of Medicine (Anji Branch)  
 Ruian People's Hospital  
 Lanxi People's Hospital  
 Zhejiang Jinhua Welfare Institute  
 Shaoxing Center Hospital

The First Affiliated Hospital of Sun Yat-sen University  
 The First Affiliated Hospital of Guangzhou Medical University  
 Nanfang Hospital of Southern Medical University  
 The Eighth Affiliated Hospital, Sun Yat-sen University  
 Cancer Hospital Chinese Academy of Medical Sciences, Shenzhen Center  
 The University of Hong Kong, Shenzhen Hospital  
 Fuwai Hospital Chinese Academy of Medical Sciences, Shenzhen  
 The First Affiliated Hospital, Sun Yat-sen University  
 Shenzhen Shiyuan People's Hospital  
 PLA Strategic Support Force Characteristic Medical Center  
 The Sixth People's Hospital of Zhoukou  
 Henan Second Provincial People's Hospital  
 Jingzhou First People's Hospital  
 The Second Affiliated Hospital of Xi'an Jiaotong University  
 The University of Hong Kong, Shenzhen Hospital  
 The Second Xiangya Hospital of Central South University

