



GUIDELINES INFECTION PREVENTION AND CONTROL IN MEDICAL FACILITIES (methodological guidelines)

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Developed by:

- The Epidemiological Surveillance Committee of the Ministry of Health of the Republic of Kazakhstan
- National Center for Public Health (branch of the Scientific and Practical Center for Sanitary and Epidemiological Expertise and Monitoring of the National Center for Public Health)

With the support of the WHO and CDC representative office in the Republic of Kazakhstan

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Draft Guidelines were discussed with the territorial Epidemiological Surveillance Departments of the Epidemiological Surveillance Committee of the Ministry of Health of the Republic of Kazakhstan

Sources:

On the basis of international recommendations of:

- World Health Organization
- CDC
- World Alliance for Patient Safety
- ESMID: Guidelines and publications
- Association for Professionals in Infection Prevention and Control

GOAL and OBJECTIVES

Goal:

- Implementation of international evidence-based approaches, improving the quality of medical care and increasing the safety of patients, health workers, reducing the prevalence of HAI and antimicrobial resistance in the Republic of Kazakhstan. Provide key components of health emergency response preparedness.

Objectives:

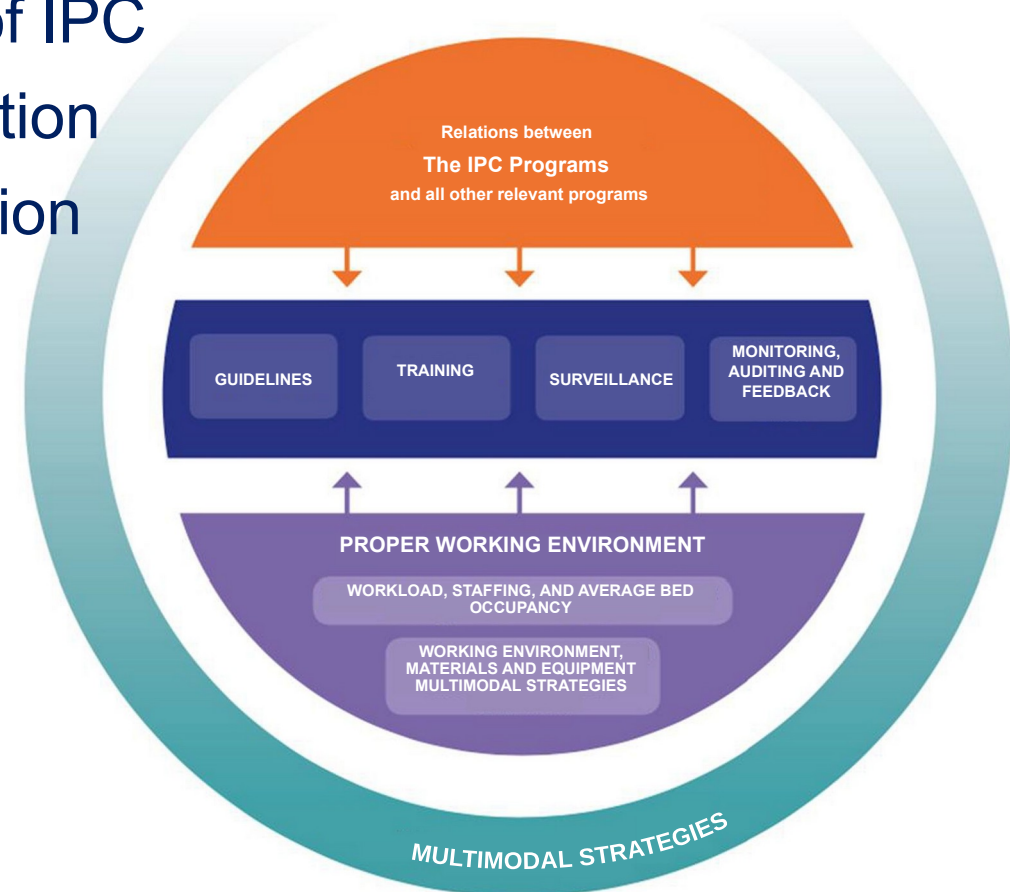
- Develop and implement appropriate tools (e.g., SOPs, protocols, algorithms) for practical implementation of the IPC Guidelines at the medical institution level;
- Monitoring and auditing the implementation of the Guidelines;
- Feedback from the medical institution on the implementation of the Guidelines.

Guidelines Content

- INTRODUCTION
- ARRANGEMENT AND SUPPORT OF THE INFECTION PREVENTION AND CONTROL (IPC) PROGRAM
- STANDARD PRECAUTIONS
- DISINFECTION AND STERILIZATION OF EQUIPMENT USED IN THE PROVISION OF MEDICAL CARE
- HAI SURVEILLANCE

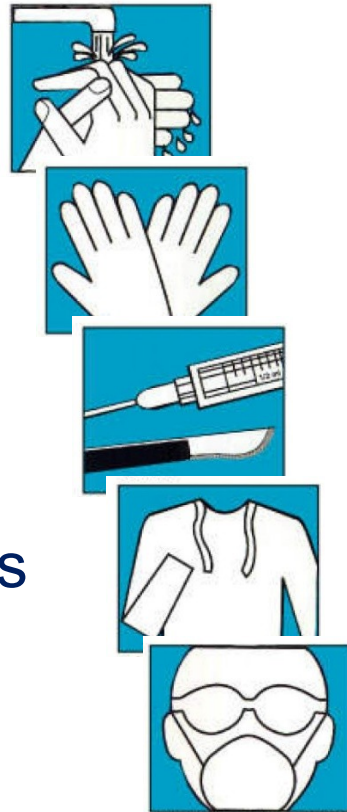
I. ARRANGEMENT AND SUPPORT OF THE INFECTION PREVENTION AND CONTROL (IPC) PROGRAM

- According to the WHO model on 8 components of IPC
- Comprehensive approach to the IPC implementation
- WHO Minimum Requirements for medical institution
- Monitoring and assessment of the IPC program
- Guidelines for development of IPC programs
- Functional responsibilities of the IPC teams



II. STANDARD PRECAUTIONS

1. Hand hygiene
2. Using gloves
3. Face protection
4. Protective garment
5. Managing sharp objects



6. Respiratory hygiene and cough etiquette
7. Cleaning
8. Hospital linen management
9. Waste management
10. Safe equipment for patient care

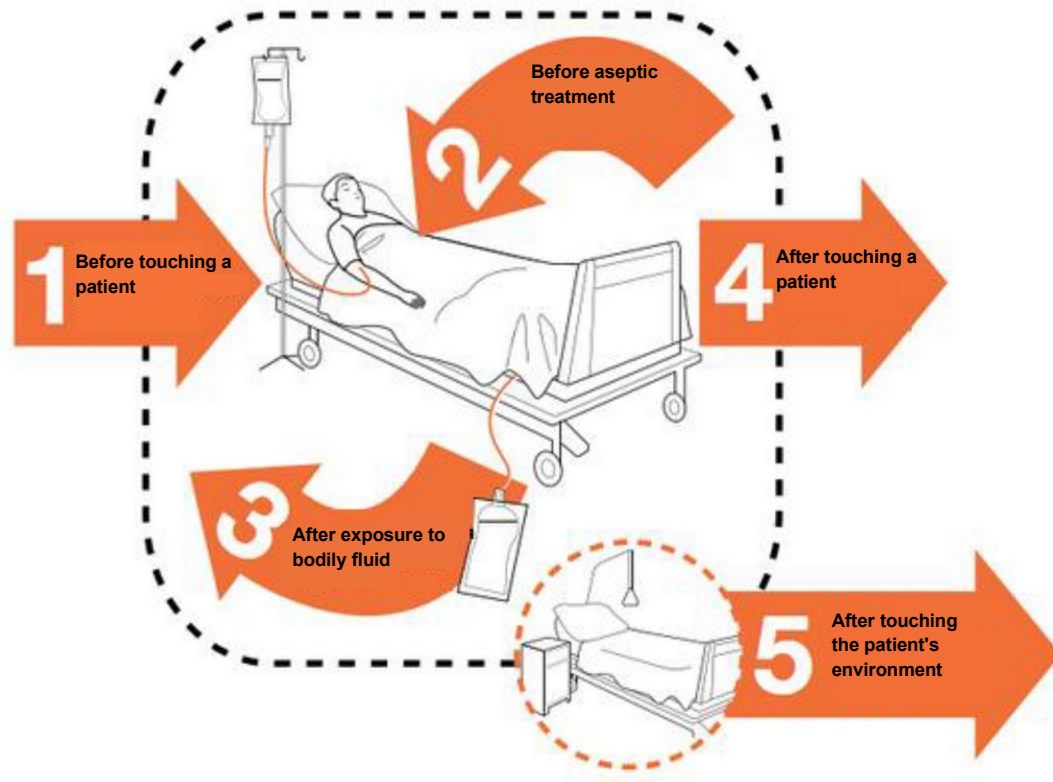
III. HAI SURVEILLANCE

- Surveillance goals
 - Surveillance strategy
 - Surveillance methods
 - Outbreak detection and investigation
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- Surgical site infection (SSI) prevention
 - Catheter-related bloodstream infections (CRBSI) prevention
 - Catheter-associated urinary tract infections (CAUTI) prevention
 - Ventilator-associated pneumonia (VAP) prevention

KEY APPROACHES ARE DESCRIBED IN THE GUIDELINES



Hand hygiene

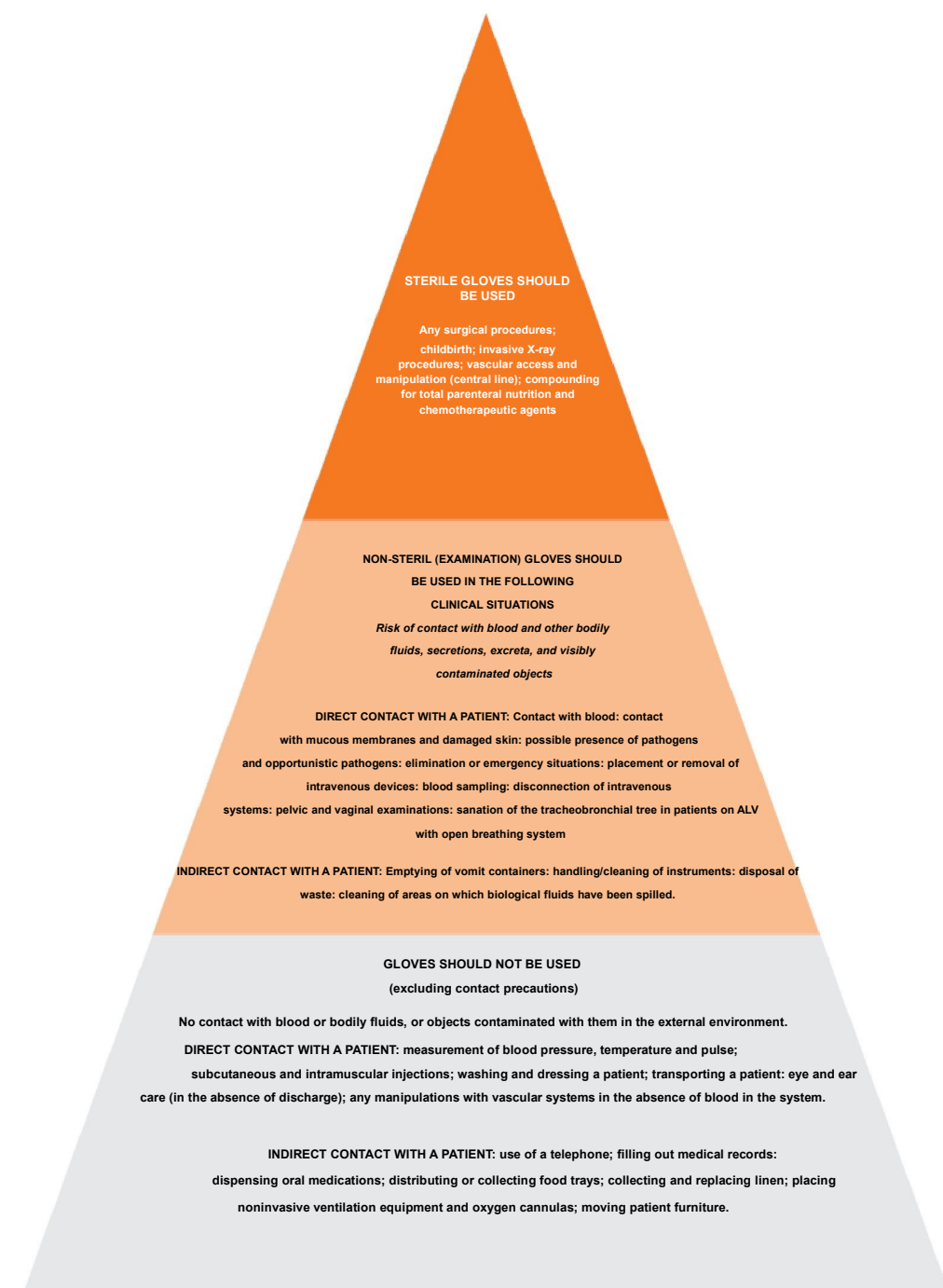


- Antiseptic with an alcohol content of at least 65%
- Regardless of gloves wearing
- Hands are not washed in conjunction with antiseptic

Using gloves



- Gloves **are not worn** in cases where there are no indication their use
- Gloves **are not treated** with antiseptic
- Procedures not involving contact with bodily fluids are performed without gloves



Personal Protective Equipment

- Risk assessment before selecting PPE
- Characteristics of barrier protection equipment
- Respiratory protection = respirator
- Respirator selection with the FIT test



Sharp objects – safe handling

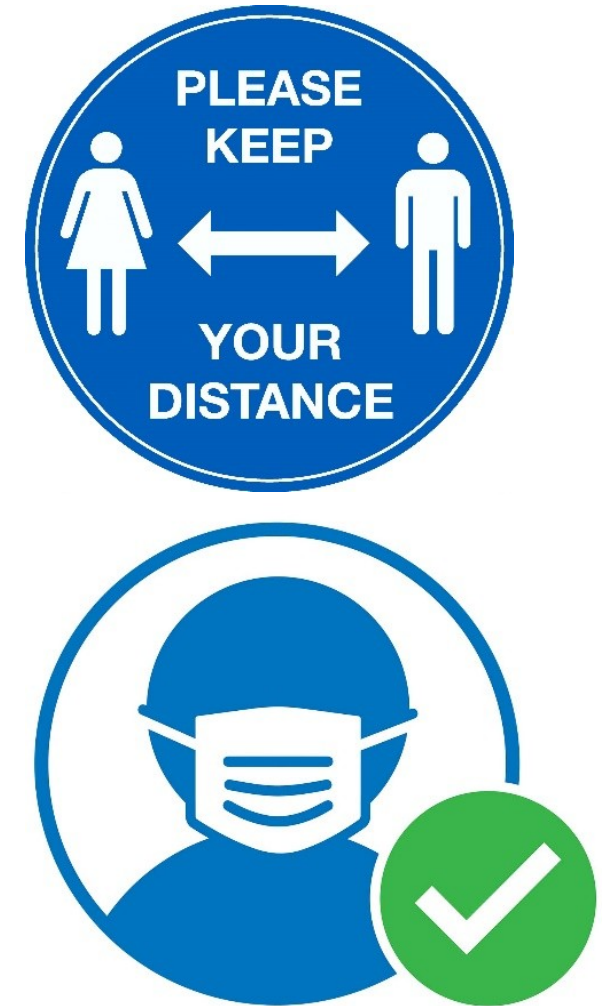
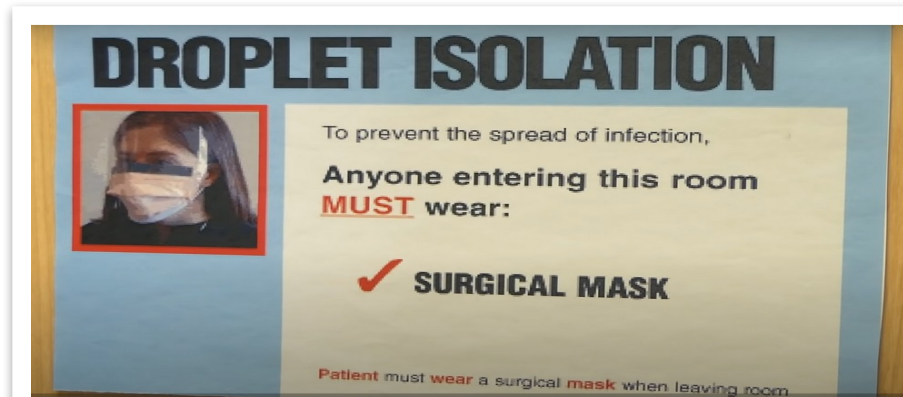


- Safe storage before use
- Safe transport
- Safe methods of application, transfer
- Safe cleaning and disinfection techniques
- Use of injury-free products
- Special conditions for disposal
- Safety culture, reporting of incidents, recording, analysis and development of corrective measures

Respiratory hygiene and cough etiquette

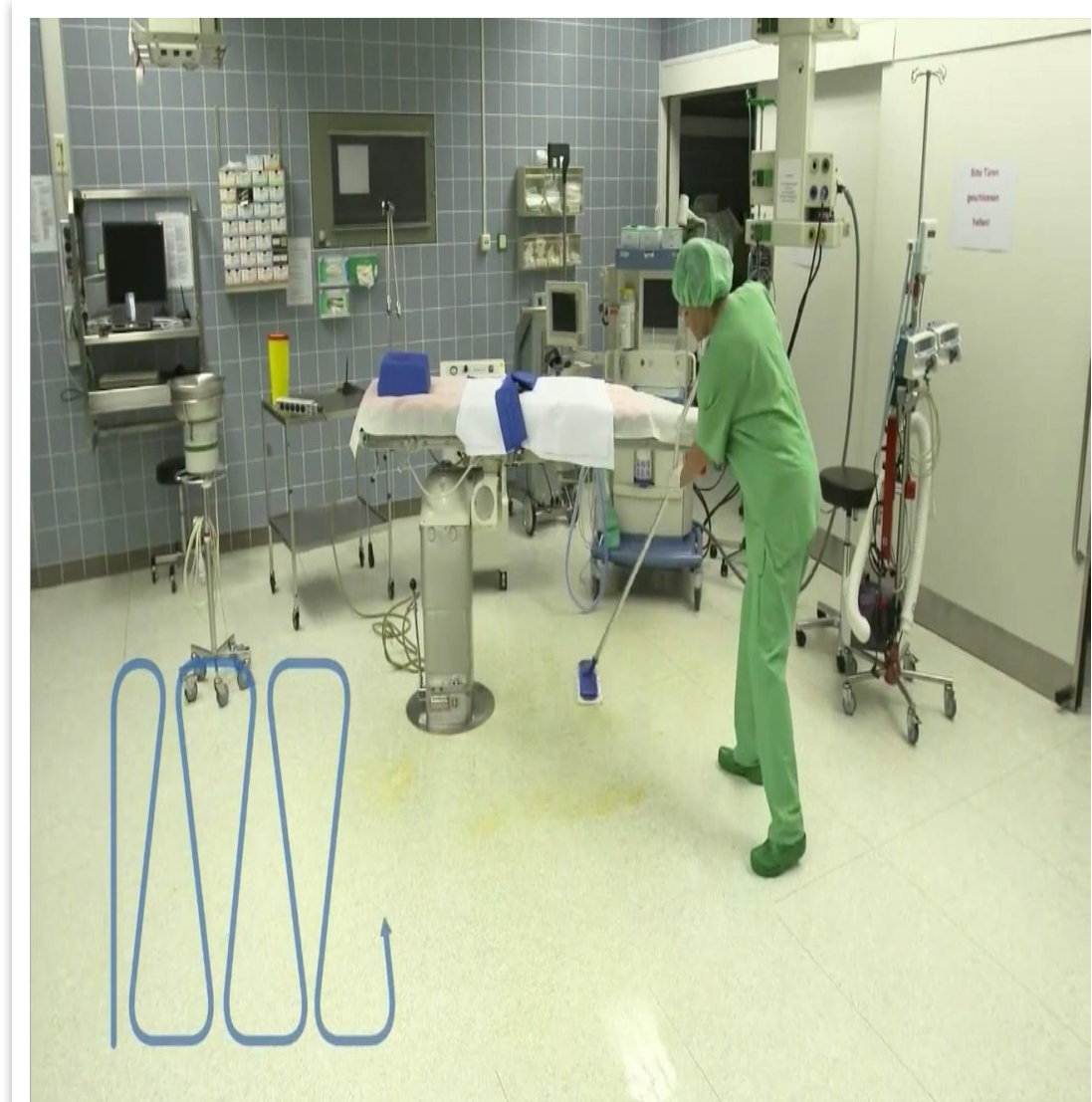
Respiratory hygiene:

- Masks for people with signs of respiratory infections
- Distance between patients - at least 1 meter
- Visual reminders at the entrance about wearing masks and cough rules
- Availability of masks, wipes, hand hygiene products in common areas and units with patients with respiratory diseases



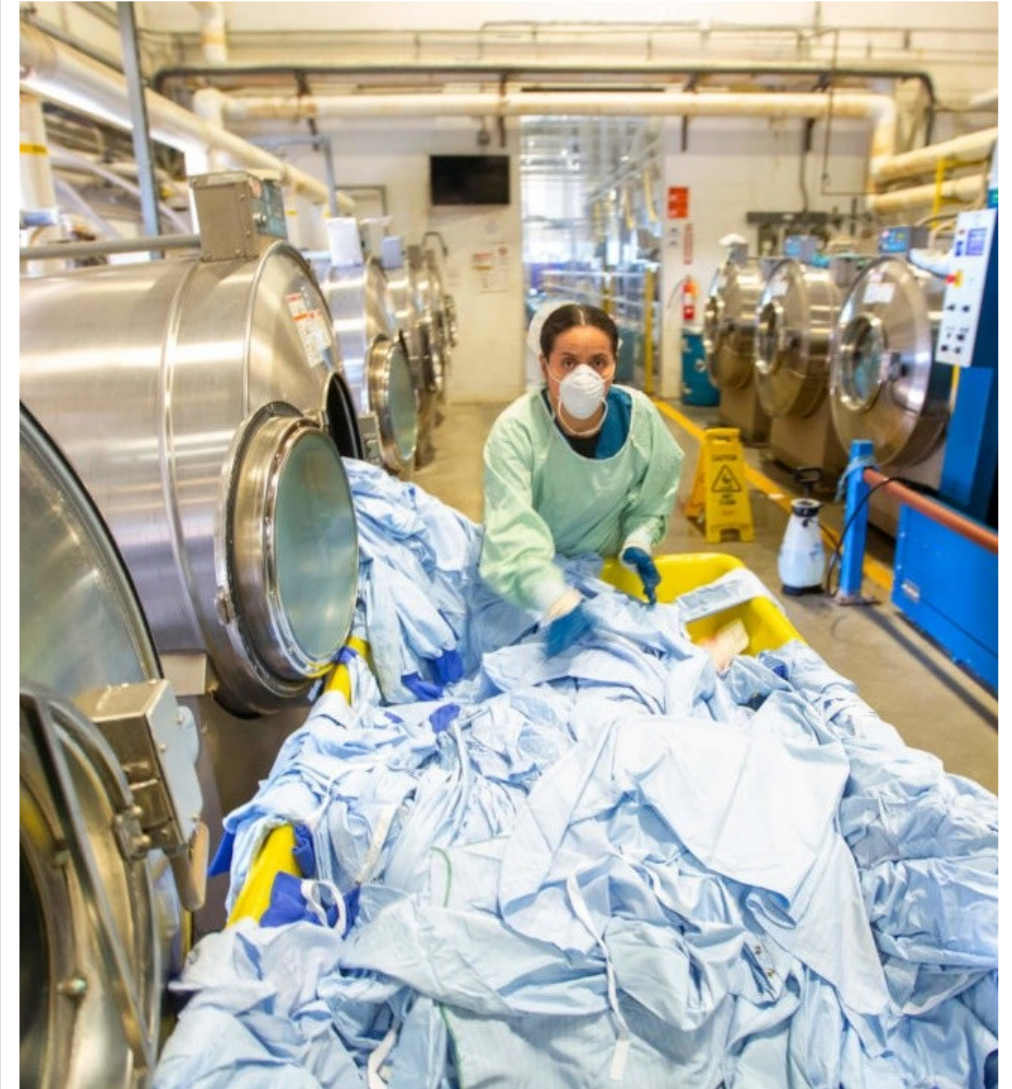
Cleaning

- Risk assessment in planning
- Cleaning frequency for different types of rooms
- Detergent and disinfectant use policy
- List of high-contact surfaces
- Special standard inventory, equipment, consumables
- Monitoring
- Modern approach to the ultraviolet irradiation use



Hospital linen management

- Developed internal procedures/practices
- Precautions when handling linen
- Avoiding transmission of pathogens to other patients and/or the environment



Waste management

- Ensure safe waste management
- Decontaminate waste contaminated with blood, body fluids and secretions as infectious hazardous waste in accordance with local regulations
- Rules for choosing decontamination equipment



Disinfection and sterilization of medical devices

- Criticality evaluation of products
- Selection of sterilization method
- Comparative characteristics of sterilization methods
- Closed product reprocessing loop



Implementation

Feedback

Review of the Guidelines





THANK YOU FOR ATTENTION!