

# Occupational health in Health care workers



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# Introduction

- Over 10 million HCWs in the US.
- Categories of healthcare workers



# Types of Hazard

## Biologic

blood-borne (HIV,HCV,HBV)  
air-borne pathogens (TB) & respiratory  
viruses.

## Physical

Radiation, radionuclides, lasers

## Chemical

antineoplastic drugs, anesthetic agents,  
sterilants and disinfectants, latex

## Ergonomic

Awkward posture, prolonged  
standing, lifting, bending

## Psychologic

Stress, shift work, violence





# Biologic hazard

## The same

- etiology
- pathogenesis
- clinical findings
- diagnosis
- treatment

## Different

- identification of source of exposure
- epidemiologic controls
- prevention



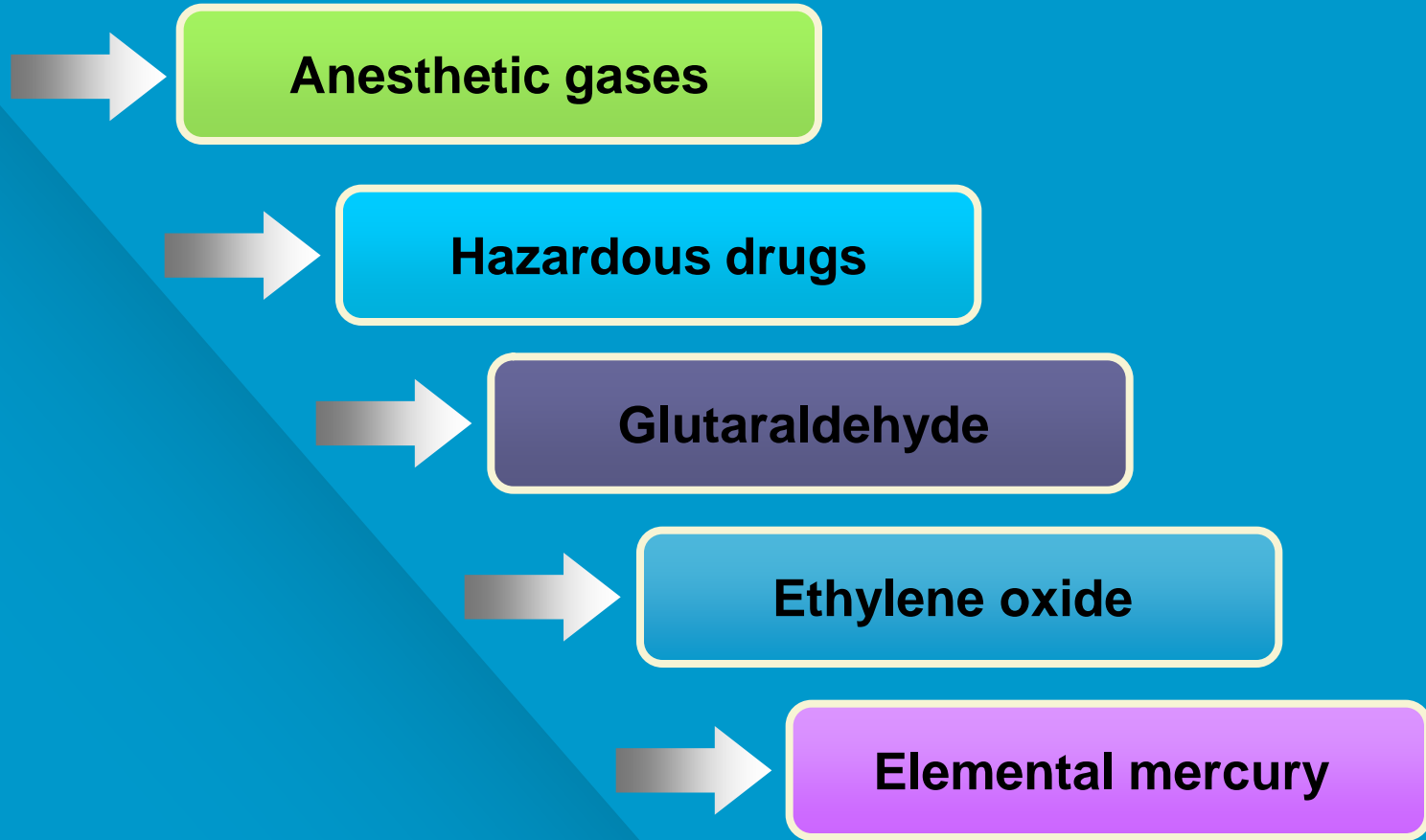
# Biologic hazard

- Viral Hepatitis
- HIV/AIDS
- Tuberculosis
- Influenza
- Other viral, bacterial and fungal infections



# Chemical hazard

# Chemical hazard





Radiation

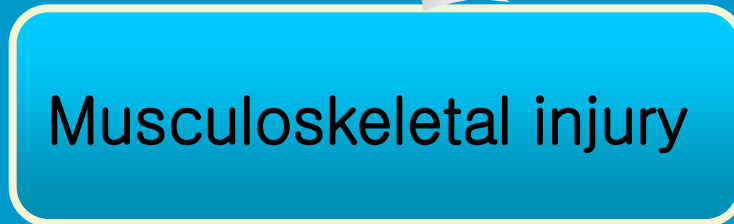
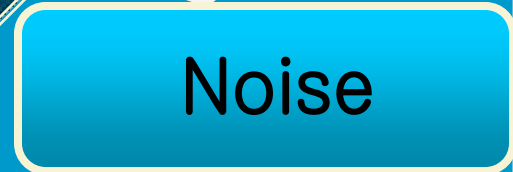
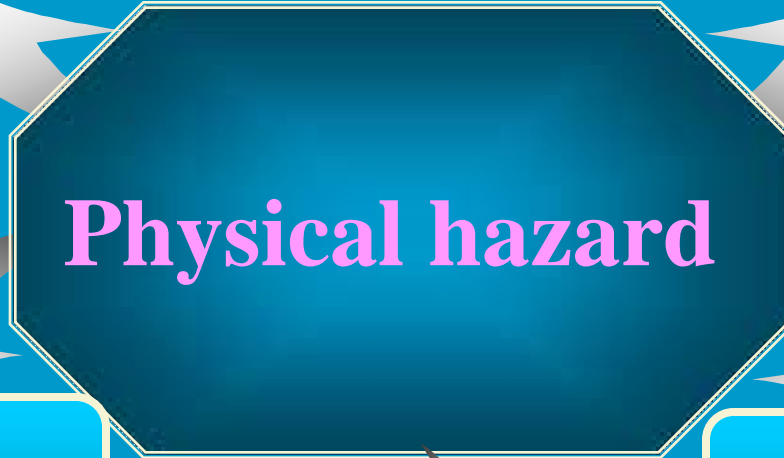
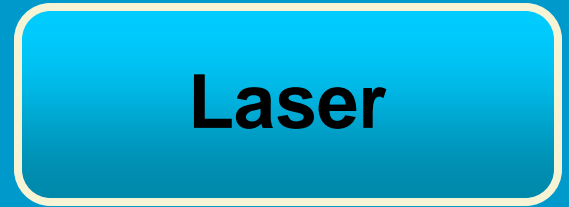
Laser

**Physical hazard**

Heat

Noise

Musculoskeletal injury







# Psychological hazard

- Violence
- Shift work
- Responsibility for