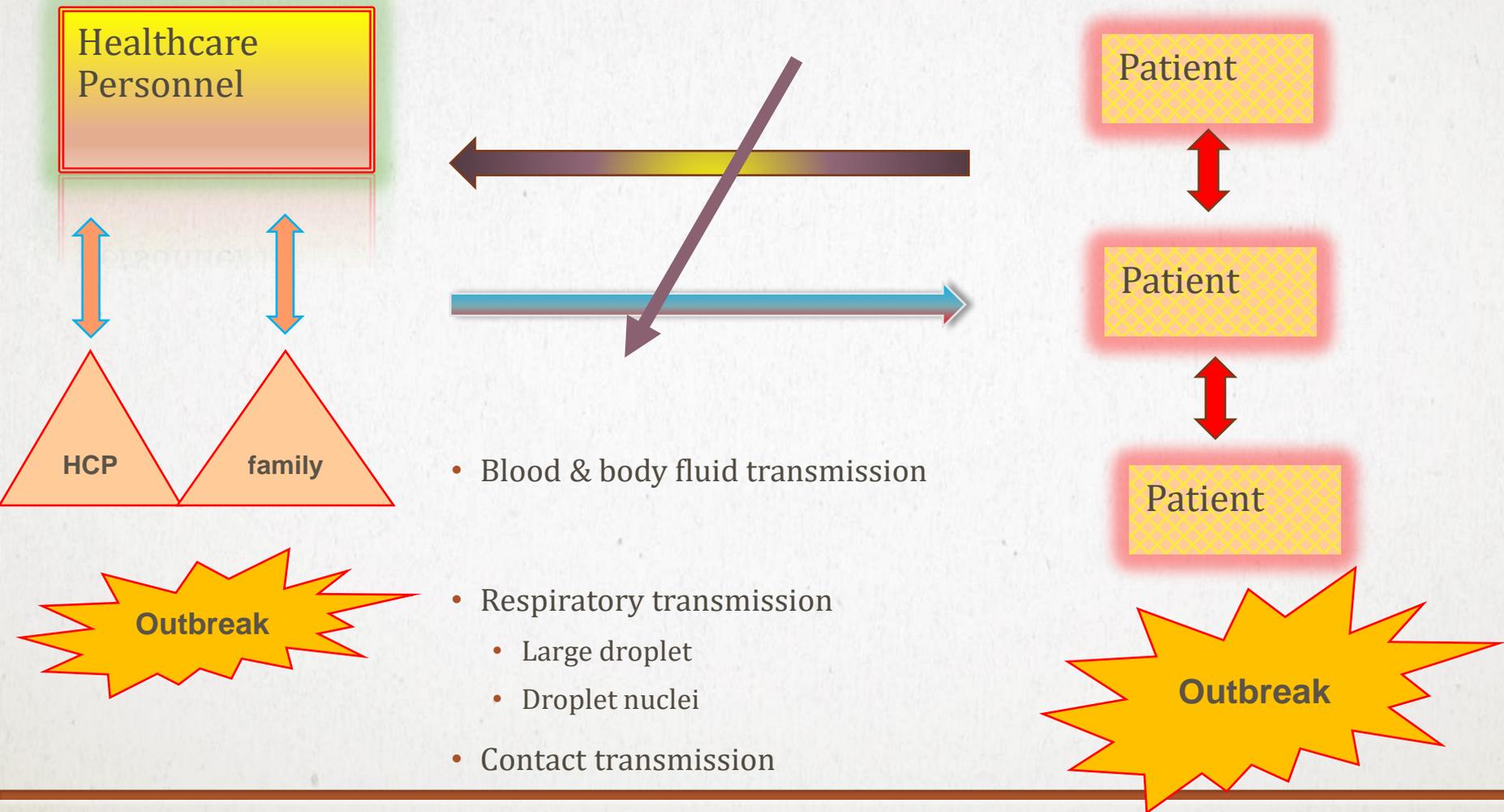


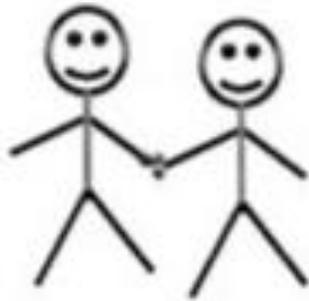
ISOLATION PRECAUTIONS

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TRANSMISSION OF INFECTIONS IN HEALTHCARE SETTING



Route of transmission in healthcare settings



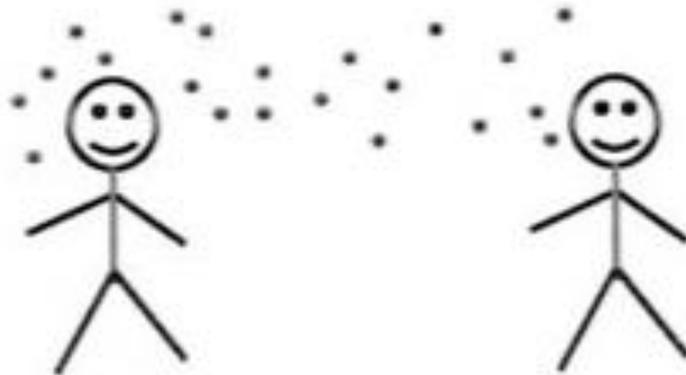
**Direct
Contact**



**Indirect
Contact**



Large Droplet



Airborne



Vehicle



Vectorborne

PREVENTION OF INFECTIOUS DISEASES

- Pre-exposure immunizations
 - Isolation precautions & Personal protective equipment
 - Postexposure prophylaxis
-

TYPES OF ISOLATION PRECAUTIONS

- Standard precautions
- Transmission-based precautions
 - Contact precautions
 - Airborne precautions
 - Droplet precautions

STANDARD PRECAUTIONS

- Designed to reduce risk from recognized and unrecognized sources--assumes all patients are potentially infectious
- Keeping a barrier between the HCW and the blood/body fluids of the patient
- *Apply to all patients*

STANDARD PRECAUTIONS

Component	Recommendations
Hand hygiene	After touching blood, body fluids, secretions, excretions, contaminated items, immediately after removing gloves, between patient contacts
Protective Personal Equipment (PPE)	
Gloves	For touching blood, body fluids, secretions, excretions, contaminated items, for touching mucous membrane and non-intact skin

STANDARD PRECAUTIONS

Component	Recommendations
Protective Personal Equipment (PPE)	
Gown	During procedures and patient-care activities with contact of clothing/ exposed skin with blood/body fluids, secretions, excretions, is anticipated
Mask, eye protection, face shield	During procedures and patient-care activities likely to generate splashes or sprays of blood, body fluids, secretions, especially suctioning, endotracheal intubation

STANDARD PRECAUTIONS

- Soiled patient-care equipment
- Environmental control
- Textiles and laundry
- Respiratory Hygiene/ cough etiquette
- Safe injection practices

TYPES OF ISOLATION PRECAUTIONS

- Standard precautions
- Transmission-based precautions
 - Airborne precautions
 - Droplet precautions
 - Contact precautions

TRANSMISSION- BASED PRECAUTIONS

- Apply for particular patients when the mode (s) of transmission is (are) not completely interrupted using standard precautions alone

AIRBORNE PRECAUTIONS

- TB: pulmonary, laryngeal, draining abscess
 - Measles
 - VZV: Chickenpox, Disseminated zoster, Zoster in compromised (+contact precautions)
 - Smallpox, monkeypox (+contact precautions)
 - EIDs
-

AEROSOL-GENERATING PROCEDURES

- Endotracheal intubation & Manual ventilation before intubation
- Positive pressure ventilation (BiPAP and CPAP)
- Suction of secretion
- CPR
- Bronchoscopy
- Nebulizer
- Cough-induced procedure
- Autopsy