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### Objectives

- Explain the relationship between communicable diseases and immunity, infection, and prevention.
- Describe the most common communicable diseases.
- Outline what employees must do to lower the risk of transmitting communicable diseases.

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### Overview

<p>Contact   <b>DIRECT</b> Transmission</p>  <ul style="list-style-type: none"><li>• Casual – Handshake</li><li>• Parent-to-Child – Childbirth</li><li>• Intimate – Intercourse</li></ul>	<p>Contact   <b>INDIRECT</b> Transmission</p>  <ul style="list-style-type: none"><li>• Contaminated Object – Doorknob</li><li>• Animal Bite   Scratch – Mosquito</li><li>• Contaminated Source – Water</li></ul>
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**Activity | Routes of Transmission**

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**Activity | Routes of Transmission**

	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		

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**Activity | Routes of Transmission**

	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					

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Activity   Routes of Transmission								
	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
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Activity   Routes of Transmission								
	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
Tick		X					X	
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Activity   Routes of Transmission								
	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
Tick		X					X	
Blowing out candles on a cake		X						X
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Activity   Routes of Transmission								
	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
Tick		X					X	
Blowing out candles on a cake		X						X
Intercourse	X				X			

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Activity   Routes of Transmission								
	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
Tick		X					X	
Blowing out candles on a cake		X						X
Intercourse	X				X			
Cafeteria buffet		X						X

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Activity   Routes of Transmission								
	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
Tick		X					X	
Blowing out candles on a cake		X						X
Intercourse	X				X			
Cafeteria buffet		X						X
Mole		X					X	

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### Activity | Routes of Transmission

	Direct	Indirect	Casual Contact	Parent to Child	Intimate	Cont. Object	Animal or Insect	Cont. Source
Used razor		X				X		
High five	X		X					
Sneeze	X	X	X			X		X
Tick		X					X	
Blowing out candles on a cake		X						X
Intercourse	X				X			
Cafeteria buffet		X						X
Mole		X					X	
Childbirth	X			X				

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### Immunity





- Fighting off active infection
- Vaccination

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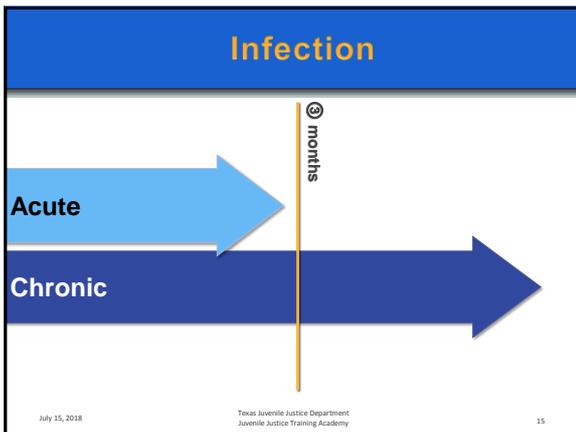
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### Prevalent Communicable Diseases

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### Influenza | Flu

**Symptoms**

- Sneezing
- Congestion
- Runny nose
- Coughing
- Heavy chest
- Wheezing

**Prevention**

- Wash hands with soap
- Cover nose | mouth when coughing or sneezing
- Wear mask around vulnerable individuals
  - Vaccination

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### Methicillin-Resistant Staphylococcus Aureus | MRSA

**Symptoms**

- Red
- Swollen
- Warm to touch
- Painful
- Filled with pus

**Prevention**

- Bandage wounds
- Avoid sharing towels | bedding
- Disinfect contaminated areas

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### Sexually Transmitted Infections | STIs



#### GONORRHEA



**Symptoms**

- Pain during urination
- Abnormal discharge
- Pain | discharge around anus
- Bleeding between periods
- Pain | swelling of testicles

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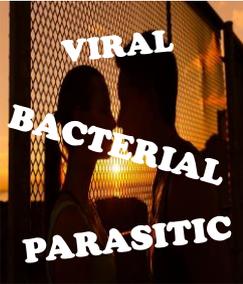
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### Sexually Transmitted Infections | STIs



#### CHLAMYDIA



**Additional Symptoms**

- Lower abdominal pain
- Intercourse pain

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### Tuberculosis | TB



**Symptoms**

- Chronic cough
- Weight loss
- Loss of appetite
- Fatigue
- Coughing up blood

**Prevention**

- Well-ventilated areas
- Use face masks

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## Hepatitis

### Symptoms

- Fatigue
- Loss of appetite
- Nausea
- Vomiting
- Abdominal pain
- Grey-colored fecal matter
- Joint pain
- Jaundice

### Hepatitis A



### Prevention

- Exercise proper hygiene
- Vaccination series
- Vaccination immediately after exposure

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## Hepatitis

### Hepatitis B



### Prevention

- Vaccination
- Avoid unprotected sex with multiple partners

### Hepatitis C



### Prevention

- Universal precautions
- Avoid high-risk behavior
  - unprotected sex
  - sharing needles
  - sharing drug paraphernalia

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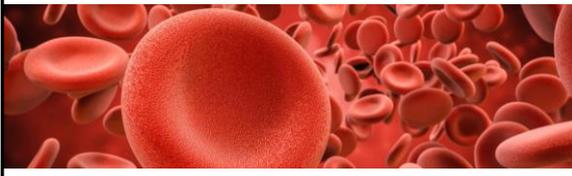
## Human Immunodeficiency Virus | HIV

### Transmission

- Sexual Contact
- Use of contaminated objects

### Prevention

- Abstain from high-risk behavior
- Use of latex condoms
- Sterilizing needles | syringes



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## Human Immunodeficiency Virus | HIV

**Acquired Immune Deficiency Syndrome**

- 3<sup>rd</sup> phase of HIV virus
- Infected cells outnumber white blood cells
- Aids-related illness causes death



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## What Must You Do?



Wash hands immediately



Prohibit sharing of razors



Dispose of PPE



Dispose of sharp objects

Use personal protective clothing and equipment | PPE

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## What Must You Do?

**UNIVERSAL PRECAUTIONS**

All Bodily Fluids Are Assumed Infectious



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## Disregarding Safeguards



Poop stays on your hands even if you don't see it.  
Wash your hands yet!

- Risks of infection
- Transmission of illness to juveniles | others
- Transmission of illness to juveniles
- Missed work
- Professional liability
- Disciplinary action
- Increase in healthcare costs

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**HELPFUL REMINDERS:**

- Address minor incidents immediately
- Maintain personal hygiene | clean workplace conditions
- Always follow standard and universal precautions

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## Reporting Requirements

**| JUVENILE EXPOSURE**

- Medical personnel contacted immediately
- Supervisor contacted immediately
- Pertinent paperwork
- Other juveniles kept safe and secure

**| EMPLOYEE EXPOSURE**

- Report to facility administrator or supervisor immediately
- Thoroughly document incident
- Seek professional medical advice



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## Final Thoughts

- Prevention of communicable diseases is the responsibility of everyone.
- Using standard and universal precautions at all times keeps juveniles, their families, and staff members safe.
- Follow all policies and procedures, report any possible exposure immediately, and follow up with a medical professional as soon as possible.

*Don't be*  
**GROSS.**  
**WASH**  
**YOUR**  
*hands*

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