MODIFIED PROTECTIVE PRECAUTIONS PROTOCOL

1. Introduction
Modified Protective Precautions protect moderately to severely immunocompromised people from environmental organisms and organisms carried by staff, visitors and even their own flora. Follow Modified Protective Precautions in addition to Routine Practices. Follow Routine Practices at all times.

2. Indications
Implement Modified Protective Precautions for moderately to severely immunocompromised people:
• who have NOT had an allogeneic hematopoietic stem cell transplant AND
• whose Absolute Neutrophil Count (ANC) is NOT expected to be below 0.5 x 10E9/L for 7 days. [18.3]

Note: The ANC is in the CBC report under Abs Neutrophils.
The ANC is calculated automatically and is written as # X10E9/L.

3. Source Control
• Put the Modified Protective Precautions sign in a visible location.
• Dedicate wash basins to a single person.
• Clean and disinfect wash basins with disinfectant wipes between each use on same person.
• If bathed in a tub, clean tub according to facility procedures before each use.

4. Accommodation
• Put person on Precautions in a single room where available.
• Door may remain open.
• Avoid room transfer unless medically indicated.

4.1. Cohorting
• If a single room is not available, cohort with a suitable roommate
  NOTE: A ‘suitable roommate’ does not have an infection and is not at high risk for infection. Roommate should not have:
  o fever
  o respiratory symptoms
  o vomiting
  o diarrhea
  o wounds
  o herpes zoster/shingles or other infectious rashes, whether covered or not
  o open herpes simplex virus lesions of lips or fingers that are not dry and crusted over.
  o recent exposure to infectious diseases, example., chickenpox, measles, mumps, rubella, pertussis or infectious rashes.
  o rash within 6 weeks of chickenpox (varicella) vaccination. [18.7, 18.8, 18.2]
  o rash within 6 weeks of live-shingles (Zostavax) vaccination. [18.5, 18.8, 18.2]
  o live oral polio vaccination (available outside of Canada & the US) within 6 weeks. [18.5]
• Maintain a separation of 2 metres between other people in care.
• Close curtains between beds.
5. Duration of Precautions
   • Discontinue Modified Protective Precautions on a case by case basis with direction from the attending physician, Infectious Diseases or site Infection Control Professional (ICP)/designate.

6. Staff Management
   Staff with the following should NOT enter the room:
   • signs or symptoms of infectious diseases, example:
     o fever
     o respiratory symptoms
     o vomiting
     o diarrhea
     o herpes zoster/shingles or other infectious rashes, whether covered or not
     o open herpes simplex virus lesions of lips or fingers that are not dry and crusted over.
   • recent exposure to infectious diseases e.g., chickenpox, measles, mumps, rubella, pertussis or an infectious rash.
   • rash within 6 weeks of chickenpox (varicella) vaccination. [18.7, 18.8, 18.2]
   • rash within 6 weeks of live-shingles (Zostavax) vaccination. [18.5, 18.8, 18.2]
   • live oral polio vaccination (available outside of Canada & the US) within 6 weeks [18.5] should NOT enter the room.
   • Staff who may have an infectious disease should not be in contact with immunocompromised people in care. However, if no one else is available, staff with such infections may be permitted on a case-by-case basis ONLY FOR ESSENTIAL CARE and after assessment by and approval of the unit Manager or designate. Consultation with Infectious Diseases is strongly recommended.
     Such staff:
     o with diseases transmitted by the airborne or droplet route, wear a procedure or surgical mask.
     o with open lesions, cover lesions with bandages.
     o with cold sores, cover cold sores with a procedure or surgical mask.
     o must perform thorough hand hygiene.

7. Hand Hygiene
   • Healthcare workers shall perform meticulous hand hygiene:
     o before initially providing care or having contact with the care environment
     o before aseptic/clean procedures.
     o before putting on gloves.
     o after body fluid exposure risk.
     o after providing care or having contact with the care environment.
     o after taking off gloves.
   • Encourage hand hygiene before eating and taking medications [18.6]
   • Refer to Routine Practices: Hand Hygiene for additional information.
8. Personal Protective Equipment (PPE)
   - staff and visitors do NOT routinely require PPE to enter the room.
   - staff and visitors use PPE according to Routine Practices and as indicated for suspected or known infections or procedures for which PPE is needed. See Point of Care Risk Assessment (PCRA)
   - Faith or cultural head coverings do not need to be covered or removed in Modified Protective Precautions rooms.

9. Transport
   - Transport or leave room only after a risk-benefit analysis.
   - **Before the transport,** notify the receiving department or facility and Transport Services that Modified Protective Precautions are needed.
   - Avoid:
     - dusty areas.
     - construction sites. See IP&C for Construction, Renovation & Maintenance.
     - areas with floor burnishers in use.
     - areas with vacuums in use.

9.1. Person being transported
   - wears N95 respirator or procedure or surgical mask when outside of their room if directed by attending physician.
   - does NOT wear gloves or an isolation gown.

9.2. Staff and Visitors
   - Staff and visitors do not wear any PPE during transport.
   - staff with infectious diseases follow measures in Section 5: Staff Management.
   - Visitors with infectious diseases follow measures in Section 14: Visitor Management.

10. Therapy
    - Person in care may leave their room only after a risk-benefit analysis, including for therapy.
    - Clean and disinfect equipment with facility-approved disinfectant **before** use with the person on Precautions.

11. Equipment and Environment
    - Dedicate equipment to the person on Modified Protective Precautions when possible.
    - Clean and disinfect equipment with facility-approved disinfectant before dedicating it.
    - If equipment cannot be dedicated, clean and disinfect it with facility-approved disinfectant before use with the person on Precautions.
    - Use disposable supplies when possible.
    - Do not share straight blade razors or shared reusable razor heads.
    - Use caution and consider risks and benefits of fresh cut flowers, potted plants, artificial plants or unglazed clay items.
    - Use caution and consider risks and benefits of fans, dehumidifiers and diffusers.
12. Health Record, Documents and Mobile Computers
   • Clean and disinfect chart covers and equipment with facility-approved disinfectant before it comes into the Modified Protective Precautions room.
     o Refer to Cleaning Work Station on Wheels Standard Work Sheet where applicable.
   • Use Routine Practices for any items you remove from a Modified Protective Precautions room.

13. Cleaning
   • Follow Regional/Facility Standard Operating Procedures for regular Discharge Cleaning.
   • No additional cleaning is required when Modified Protective Precautions are discontinued.

14. Education
   Teach the person on Precautions and their visitors about:
   • Hand hygiene. Use resources such as:
     o Hand Hygiene Pamphlet, Hand Hygiene Procedures - Hand Rub
     o Hand Hygiene Procedures - Hand Wash.
   • Areas to avoid such as:
     o Dusty areas [18.4]
     o Construction sites [18.4]. See IP&C for Construction, Renovation & Maintenance.
15. Visitor Management

• Screen visitors of all ages for:
  o signs and symptoms of infectious disease
  o infectious disease exposure history.

Visitors with the following should NOT enter the room:

• signs or symptoms of infectious diseases example:
  o fever
  o respiratory symptoms
  o vomiting
  o diarrhea
  o herpes zoster/shingles or other infectious rashes, whether covered or not
  o open herpes simplex virus lesions of lips or fingers that are not dry and
    crusted over.

• recent exposure to infectious diseases, e.g., chickenpox, measles, mumps,
  rubella, pertussis.

• rash within 6 weeks of chickenpox (varicella) vaccination. [18.7, 18.8, 18.2]

• rash within 6 weeks of live-shingles (Zostavax) vaccination. [18.5, 18.8, 18.2] live [18.5]

• Visitors who may have an infectious disease should not visit. However, close
  family members and those providing care, including essential emotional support
  with such infections may be permitted on a case-by-case basis ONLY FOR
  EXTENUATING CIRCUMSTANCES (example, end-of-life counseling,
  management planning, test result discussion, emotionally vulnerable person) and
  after assessment by and approval of the unit Manager or designate. Consultation
  with Infectious Diseases is strongly recommended.

Such visitors:
  o with diseases transmitted by airborne or droplet route, wear a procedure or
    surgical mask.
  o with open lesions, cover lesions with bandages.
  o with cold sores, cover cold sores with a procedure or surgical mask.
  o must be informed of the importance of thorough hand hygiene.

16. Definitions

Immunocompromised: Person with congenital or acquired immunodeficiency or
immunodeficiency due to therapeutic agents or hematologic malignancies. This
includes but is not limited to:

• those who are undergoing immunosuppressive therapy.
• individuals with leukemia or lymphoma or other malignant disease.
• individuals on medications that suppress the immune system, such as high-dose
  systemic steroids or chemotherapeutic agents.
• individuals with cellular immune-deficiencies or other immune system conditions. [18.8]

17. Occupational and Environmental Safety and Health (OESH)

Contact Occupational & Environmental Safety & Health/designate for staff assessment
&/or concerns.
18. References


