



# PROTECTIVE PRECAUTIONS



## PRECAUCIONES PROTECTORAS

Family/Visitors should not visit if having signs or symptoms of an infection or a communicable disease. Visitation also based on facility's policy.

*Los familiares y visitantes no deben visitar si tienen señales o síntomas de infección o de una enfermedad contagiosa. Las visitas también dependen de la política de la instalación.*

Follow instructions below before entering room.

*Antes de entrar a la habitación, siga las instrucciones a continuación.*

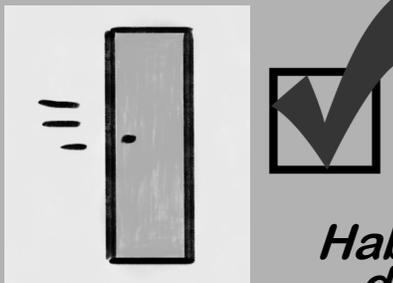
### Everyone must:

*Todos deben:*



**Clean hands before entering and when leaving room.**

*Lavarse las manos antes de entrar y antes de salir de la habitación.*



**Well sealed private room with filtering, air flow, air pressure, and ventilation requirements (specified on back of sign)**

*Habitación privada bien sellada con requisitos de filtración, flujo de aire, presión de aire y ventilación (especificados en la parte posterior del letrero)*



**No dried or fresh flowers or potted plants.**

*No se permiten flores frescas o secas ni plantas vivas.*



**Do not enter if feeling unwell.**

*No entre si está enfermo.*

**Personal protective equipment may be required per Standard Precautions.**

*Es posible que se exija utilizar el equipo de protección personal según las precauciones estándar.*

## Protective Precautions

*Remove sign after discontinuation of precautions.*

A Protective Environment is designed for allogeneic hematopoietic stem cell transplant (HSCT) patients to minimize fungal spore counts in the air and reduce the risk of invasive environmental fungal infections.

### Room Placement:

- Filter incoming air using central or point-of use high efficiency particulate (HEPA) filters capable of removing 99.7% of particles.
  - Ensure at least 12 air changes per hour (ACH).
- Direct room airflow with the air supply on one side or the room that moves air across the patient bed and exhausted on opposite side.
- Ensure positive air pressure in room and monitor daily with visual indicators (smoke tubes or flutter strips).
- Ensure room is well-sealed to prevent infiltration of outside air (including sealed walls, floors, ceilings, windows, electrical outlets-if leakage detected, locate source and repair).
  - Use self-closing doors on all room exits.

### Personal Protective Equipment

- Alcohol based handrub or wash with soap and water if visibly soiled.
  - PPE indicated per standard precautions.
- After PPE removal, alcohol based handrub or wash hands with soap and water if visibly soiled.

### Dishes/Utensils:

No special precautions. Should be managed in accordance with routine procedures.

### Room Cleaning:

- Daily wet-dusting of horizontal surfaces using cloths moistened with EPA-registered hospital disinfectant/detergent (includes sprinkler heads). Avoid dusting methods that disperse dust.
- No carpeting in hallways and patient rooms. No upholstered furniture and furnishings. Use vacuum cleaner with HEPA filters when vacuum cleaning is necessary.

### Trash and Linen Management:

Bag linen and trash in patient/resident room (double bagging of trash or linen is not necessary unless outside of bag visibly contaminated).

### Transport:

Essential transport only. To prevent inhalation of fungal spores during periods when construction, renovation, or other dust-generating activities that may be ongoing in and around the health-care facility, it has been advised that severely immunocompromised patients wear a high-efficiency respiratory-protection device (e.g., an N95 respirator- if medically fit to tolerate) when they leave the Protective Environment. Clean and disinfect transport equipment. Alert receiving department regarding patient/resident isolation precaution status.

### Other Special Precautions:

- Prohibit dried and fresh flowers and potted plants
- For patients requiring both a Protective Environment (PE) and Airborne Infection Isolation (AIIR), use an anteroom to ensure proper air balance relationships and provide independent exhaust of contaminated air to the outside or place a HEPA filter in the exhaust duct. If an anteroom is not available, place patient in an AIIR and use portable ventilation units, industrial-grade HEPA filters to enhance filtration of spores.

For additional guidance on protective environments, please see guidance:

<https://www.cdc.gov/infectioncontrol/guidelines/isolation/appendix/environment.html>