Everyone must:

Clean hands before entering and when leaving room.

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

No dried or fresh flowers or potted plants.

Do not enter if feeling unwell.

Personal protective equipment may be required per Standard Precautions.

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

Follow instructions below before entering room.

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