

# Advancing Cancer Care

FLOOR  
**6** | ONCOLOGY  
UNIT



## POSITIVE-PRESSURE ROOMS

### How Positive-pressure Rooms Help Protect Patients

The Oncology Unit at the new Sands-Constellation Center for Critical Care is founded on a commitment to providing comprehensive and compassionate inpatient cancer care. Our experts in hematology, oncology, radiation treatment, and surgical oncology work together to treat the unique needs of each patient, and our highly trained and dedicated oncology teams utilize positive-pressure rooms and other leading-edge medical technology to create and administer personalized cancer treatment plans for our patients.

### What are Positive-pressure Rooms?

Positive-pressure rooms are rooms with higher pressure inside the room than outside the room. Any airborne particle that originates in the room is filtered out, keeping immunocompromised patients safe and protected from dangerous particles.

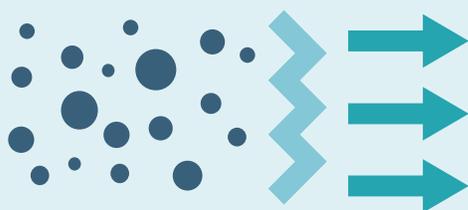


## 4 WAYS THEY KEEP PATIENTS SAFE

Positive-pressure rooms help cancer patients who have compromised immune systems stay safe from infections and disease. Here are four benefits of positive-pressure rooms at the Sands-Constellation Center for Critical Care.

### 1. Filter Out Harmful Particles

Harmful particles that exist in hospital rooms are unseen, and it's essential to the health and safety of immunocompromised patients that these particles are kept out of patient rooms. Positive-pressure rooms remove and keep dangerous particles out by pumping clean, filtered air into the room. When a door is opened, the air rushes out and prevents outside air from entering, similar to what happens when you let the air out of a balloon.



### 2. Automated Cleaning of Rooms

Positive-pressure rooms are fitted with filtration systems, often in the form of air vents that automatically fill the patient room with clean, filtered air. This automated cleaning process ensures the room is always clean and free of harmful particles like germs and bacteria.

### 3. Protection Against COVID-19 and Other Airborne Diseases

Isolating our most vulnerable patients is essential to preventing the spread of COVID-19 in our community. Thanks to positive air pressure, isolation can be a comfortable experience for cancer patients in our positive-pressure rooms. COVID-19 and other airborne diseases can't survive in these rooms.

### 4. Superior Room Layout

Positive-pressure rooms are designed to create effective spaces to allow for airflow and maintain a pressure differential between inside and outside the room. Engineers and architects collaborated early in the design process and worked with hospital staff to ensure that the rooms at the Sands-Constellation Center for Critical Care were mechanically optimized for airflow and to ensure superior design and layout. This includes protective seals on windows, doors, floors and ceilings.

