

Air Exchange Chart

Air Exchange Rates:

- Air exchange rates, or “air changes per hour,” refers to the number of times air is replaced in each room every hour.
- During these exchanges, air is removed from the room through a return, filtered by the HVAC system, infused with air from outside, and reenters the room through a vent.
- The following chart depicts the time necessary to achieve 99% removal of airborne pathogens after an aerosol generating procedure (AGP) based on the air exchange rates in each room
- Anyone entering the room should wear N95 masks following an AGP for the timeframes below
- Rooms should remain closed to new patients during these timeframes

Clinical Areas	LENGTH OF TIME IN MINUTES TO CLOSE ROOM
VCH Pulmonary Clinic	35
VCH ENT Clinic	35
VCH 3rd floor (All ORs, GI Lab, Cath Lab, Dental)	18
VCH Interventional Radiology	46
VCH: ICUs, ED and Inpatient Rooms (non- negative pressure)	46
VCH: ICUs, ED and Inpatient Rooms (negative pressure)	23
Dental Clinic at VAV	46
VUH GI Lab	23
VUH Pulmonary Clinic	18
VUH ENT Clinics	28
VUH Diagnostic Cardiology (MCE 5th floor)	46
VUH ORs: FEL, MCE, 4 South, Main	18
VUH Cardiac Cath Lab	18
VUH Interventional Radiology	46
VUH Interventional Radiology ROOM 1078 only	18
VUH ICUs, ED and Inpatient Rooms (non- negative pressure)	46
VUH ICUs, ED and Inpatient Rooms (negative pressure)	23