

# 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
Belcourt Dental: 2014 & 2015 (Procedure)	18
Belcourt Dental: 2021 (Oral Room)	23
Belcourt Dental: 2022 (Oral Room), 2036 (Dental Exam 4), 2039	46
Belcourt Dental: 2026 (Dental Hygiene #1), 2027 (Dental Hygiene #2), 2028 (Hygiene), 2033 (Dental Exam 1), 2035 (Exam 2), 2037 (Exam 3)	138
Belcourt Dental: 2030 (Flex Room/Scan)	69
Belcourt Dental: 2034 (Oral Exam 6) & 2038 (Exam 5)	35
VCH 3rd floor (All ORs, GI Lab, Cath Lab, Dental)	18
VCH ENT Clinic	35
VCH Interventional Radiology	46
VCH Pulmonary Clinic	35
VCH: ICUs, ED and Inpatient Rooms (negative pressure)	23
VCH: ICUs, ED and Inpatient Rooms (non- negative pressure)	46
VUH Cardiac Cath Lab	18
VUH Diagnostic Cardiology (MCE 5th floor)	46
VUH ENT Clinics	28
VUH GI Lab	23
VUH ICUs, ED and Inpatient Rooms (negative pressure)	23
VUH ICUs, ED and Inpatient Rooms (non- negative pressure)	46
VUH Interventional Radiology	46
VUH Interventional Radiology ROOM 1078 only	18
VUH ORs: FEL, MCE, 4 South, Main	18
VUH Pulmonary Clinic	18