

12 Annexures

A-1 Ventilation Rate

Standards For Pressurization Of Spaces

Design Parameters—Inpatient Spaces

Function of Space (ee)	Pressure Relationship Adjacent to Areas (n)	Minium Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
Nursing Units And Oth & Er Patient Care Areas									
All anteroom (FGI 2.1–2.4.2.3) (u)	(e)	NR	10	Yes	No	Yes	MERV-8	NR	NR
All room (FGI 2.1–2.4.2) (u)	Negative	2	12	Yes	No	Yes	MERV-14	Max 60	70–75/21–24
Cesarean Delivery room (FGI 2.2–2.9.11.1) (m), (o)	Positive	4	20	NR	No	Yes	MERV-16	20–60	68–75/20–24
Combination All/PE anteroom (FGI 2.2–2.2.4.5)	(e)	NR	10	Yes	No	No	HEPA	NR	NR
Combination All/PE room (FGI 2.2–2.2.4.5)	Positive	2	12	Yes	No	No	HEPA	Max 60	70–75/21–24
Continued care nursery (FGI 2.2–2.10.3.2)	N/R	2	6	N/R	No	Yes	MERV-14	30–60	72–78/22–26
Critical care patient care station (FGI 2.2–2.6.2)	NR	2	6	NR	No	Yes	MERV-14	30–60	70–75/21–24
Emergency department exam/treatment room (FGI 2.2–3.1.2.6 & 2.2–3.1.3.6) (p)	NR	2	6	NR	NR	Yes (ff)	MERV-14	Max 60	70–75/21–24
Emergency department human decontamination (FGI 2.2–3.1.3.6[8])	Negative	2	12	Yes	No	Yes (ff)	MERV-14	NR	NR
Emergency department public waiting area (FGI 2.2–3.1.2.4 & 2.2–3.1.3.4)	Negative	2	12	Yes (q)	NR	Yes (ff)	MERV-8	Max 65	70–75/21–24
Emergency department trauma/resuscitation room (FGI 2.2–3.1.3.6[4]) (c)	Positive	3	15	NR	No	Yes	MERV-14	20–60	70–75/21–24
Emergency service triage area (FGI 2.2–3.1.3.3)	Negative	2	12	Yes (q)	NR	Yes (ff)	MERV-8	Max 60	70–75/21–24
Intermediate care patient room (FGI 2.2–2.5) (s)	NR	2	6	NR	NR	Yes	MERV-14	Max 60	70–75/21–24
Labor/delivery/recovery (LDR) (FGI 2.2–2.9.3) (s)	NR	2	6	NR	NR	Yes	MERV-14	Max 60	70–75/21–24
Labor/delivery/recovery/postpartum (LDRP) (FGI 2.2–2.9.3) (s)	NR	2	6	NR	NR	Yes	MERV-14	Max 60	70–75/21–24
Laser eye room (FGI Table T2.2-1)	Positive	3	15	NR	No	Yes	MERV-14	20–60	70–75/21–24
Neonatal intensive care (FGI 2.2–2.8)	Positive	2	6	NR	No	Yes	MERV-14	30–60	72–78/22–26
Newborn nursery (FGI 2.2–2.10.3.1)	NR	2	6	NR	No	Yes	MERV-14	30–60	72–78/22–26
Nourishment area or room (FGI 2.1–2.8.9)	NR	NR	2	NR	NR	Yes	MERV-8	NR	NR
Nursery workroom (FGI 2.2–2.10.8.5)	NR	2	6	NR	No	Yes	MERV-8	Max 60	72–78/22–26
Operating room (FGI 2.2–3.3.3) (m), (o)	Positive	4	20	NR	No	Yes	MERV-16 (hh)	20–60	68–75/20–24
Operating/surgical cystoscopic rooms (FGI 2.2–3.4 & Table T2.2-2; also see Class 3 Imaging) (m), (o)	Positive	4	20	NR	No	Yes	MERV-16	20–60	68–75/20–24
Patient care area corridor	NR	NR	2	NR	NR	Yes	MERV-14	NR	NR
Patient room (FGI 2.1–2.3.2)	NR	2	4 (y)	NR	NR	Yes	MERV-14	Max 60	70–75/21–24
Patient toilet room (FGI 2.1–2.3.5 & 2.1–2.3.6)	Negative	NR	10	Yes	No	Yes (ff)	MERV-8	NR	NR
PE anteroom (FGI 2.2–2.2.4.4) (t)	(e)	NR	10	NR	No	No	HEPA	NR	NR
Phase I PACU and Phase II recovery (FGI 2.1–3.4.4 & 2.1–3.4.5)	NR	2	6	NR	No	Yes	MERV-14	20–60	70–75/21–24
Procedure room (Table T2.2-1) (o), (d)	Positive	3	15	NR	No	Yes	MERV-14	20–60	70–75/21–24
Protective environment room (FGI 2.2–2.2.4.4) (t)	Positive	2	12	NR	No	No	HEPA	Max 60	70–75/21–24
Radiology waiting rooms (FGI 2.2–3.4.10.1)	Negative	2	12	Yes (q), (w)	NR	Yes (ff)	MERV-8	Max 60	70–75/21–24
Seclusion room (FGI 2.1–2.4.3)	NR	2	4 (y)	NR	NR	Yes	MERV-14	Max 60	70–75/21–24
Sterile processing room (FGI 2.2–3.3.6.15)	NR	2	6	NR	No	Yes	MERV-8 (gg)	NR	NR
Treatment room (FGI 2.2–3.1.2.6) (p)	NR	2	6	NR	NR	Yes	MERV-8	20–60	70–75/21–24
Wound intensive care (burn unit)	Positive	2	6	NR	No	Yes	HEPA	40–60	70–75/21–24
Behavioral And Mental Health Facilities (K)									
Patient bedroom, resident room (FGI 2.2–2.12.2 & 2.5–2.2.2)	NR	2	2	NR	NR	Yes	MERV-8	NR	NR
Seclusion room (FGI 2.1–2.4.3 & 2.2–2.12.4.3)	NR	4	2	NR	NR	Yes	MERV-8	NR	NR
Diagnostic And Treatment									
Bronchoscopy, sputum collection, and pentamidine administration (FGI 2.2–3.9.2) (n), (x)	Negative	2	12	Yes	No	Yes	MERV-14	NR	68–73/20–23
Class 1 imaging room (FGI 2.2–3.4.1.2 & Table 2.2-2)	NR (jj)	2	6	NR	NR	Yes	MERV-8	Max 60	72–78/22–26
Class 2 imaging room (FGI 2.2–3.4.1.2 & Table 2.2-2) (d), (p)	Positive	3	15	NR	No	Yes	MERV-14	Max 60	70–75/21–24
Class 3 imaging room (FGI 2.2–3.4.1.2 & Table 2.2-2) (m), (o)	Positive	4	20	NR	No	Yes	MERV-16 (hh)	20–60	68–75/21–24
Dialysis treatment area (FGI 2.2–3.10.2)	NR	2	6	NR	NR	Yes	MERV-8	NR	72–78/22–26
Dialyzer reprocessing room (FGI 2.2–3.10.8.16)	Negative	NR	10 (bb)	Yes	No	Yes (ff)	MERV-8	NR	NR
ECT procedure room (FGI 2.2–2.12.4.1 & 2.5–3.4)	NR	2	4	NR	NR	Yes	MERV-8	Max 60	72–78/22–26

Standards For Pressurization Of Spaces

Design Parameters—Inpatient Spaces

Function of Space (ee)	Pressure Relationship Adjacent to Areas (n)	Minium Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
Gastrointestinal endoscopy procedure room (FGI 2.2–3.11.2 & Table 2.2-1) (x)	NR	2	6	NR	No	Yes	MERV-8	20–60	68–73/20–23
General examination room (FGI 2.1–3.2)	NR	2	4	NR	NR	Yes	MERV-8	Max 60	70–75/21–24
Hydrotherapy (FGI 2.1–8.4.3.9)	Negative	2	6	NR	NR	Yes	MERV-8	NR	72–80/22–27
Instrument processing room (FGI 2.2–3.11.4)	Negative	2	10	Yes	No	No	MERV-8 (gg)	NR	NR
Medication room (FGI 2.1–2.8.8.2[1])	NR	2	4	NR	NR	Yes	MERV-8	Max 60	70–75/21–24
Nuclear medicine hot lab (FGI 2.2–3.4.8.22)	Negative	NR	6	Yes	No	Yes (ff)	MERV-8	NR	70–75/21–24
Physical therapy (FGI 2.2–2.13.8.16 & 2.6–3.1)	Negative	2	6	NR	NR	Yes	MERV-8	Max 65	72–80/22–27
Special examination room (aa)	NR	2	6	NR	NR	Yes	MERV-14 (ij)	Max 60	70–75/21–24
Treatment room (FGI 2.2–3.1.2.4)	NR	2	6	NR	NR	Yes	MERV-8	Max 60	70–75/21–24
Patient Support Facilities									
Bedpan room (FGI 2.1–2.8.12.2 & 2.1–5.1.3.3)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Environmental services room (FGI 2.1–2.8.14)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Food and supply storage (FGI 2.1–4.3.8.13)	NR	NR	2	NR	No	No	MERV-8	NR	72–78/22–26
Food preparation areas (FGI 2.1–4.3.2) (i)	NR	2	10	NR	No	Yes	MERV-8	NR	72–78/22–26
Laboratory work area, bacteriology (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, biochemistry (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, cytology (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, general (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	NR	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, glasswashing (FGI 2.1–4.1.2) (f)	Negative	2	10	Yes	NR	Yes	MERV-8	NR	NR
Laboratory work area, histology (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, media transfer (FGI 2.1–4.1.2) (f), (v)	Positive	2	4	NR	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, microbiology (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, nuclear medicine (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, pathology (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	No	MERV-8	NR	70–75/21–24
Laboratory work area, serology (FGI 2.1–4.1.2) (f), (v)	Negative	2	6	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Laboratory work area, sterilizing (FGI 2.1–4.1.2) (f)	Negative	2	10	Yes	NR	Yes	MERV-8	NR	70–75/21–24
Pharmacy Services: Pharmacy Areas (FGI 2.1–4.2.2) (b)	Positive	2	4	NR	NR	Yes	MERV-8	Max 60	70–75/21–24
Toilet room (FGI 2.1–2.9.2)	Negative	NR	10	Yes	No	Yes	MERV-8	NR	72–78/22–26
Warewashing (FGI 2.1–4.3.4) (r)	Negative	NR	NR	Yes	No	Yes	MERV-8	NR	NR
General Support Facilities: Sterile Processing									
Clean assembly/workroom (FGI 2.1–5.1.2.2[3]) (z)	Positive	2	4	NR	No	No	MERV-8 (gg)	Max 60	68–73/20–23
Soiled workroom/decontamination room (FGI 2.1–5.1.2.2[2]) (z)	Negative	2	6	Yes	No	No	MERV-8	NR	60–73/16–23
Sterile storage room (clean/sterile medical/ surgical supplies) (FGI 2.1–5.1.2.2[4]) (z)	Positive	2	4	NR	NR	No	MERV-8 (gg)	Max 60	Max 75/24
Other General Support Facilities									
Autopsy room (FGI 2.1–5.7.2.2)	Negative	2	12	Yes	No	No	MERV-8	NR	68–75/20–24
Clean linen storage room (FGI 2.1–2.8.13.1 & 2.1–5.2.2.1[3])	Positive	NR	2	NR	NR	Yes	MERV-8	NR	72–78/22–26
Hazardous material storage (FGI 2.1–5.4)	Negative	2	10	Yes	No	No	MERV-8	NR	NR
Laundry, processing room (FGI 2.1–5.2.2.1)	Negative	2	10	Yes	No	No	MERV-8	NR	NR
Linen and refuse chute room (FGI 2.1–5.2.8.1[2] & 2.1–5.4.1.4)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Nonrefrigerated body holding room (FGI 2.1–5.7.3) (h)	Negative	NR	10	Yes	No	No	MERV-8	NR	70–75/21–24
Regulated waste holding spaces (FGI 2.1–5.4.1.3)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Toilet (FGI 2.1–2.9.2)	Negative	NR	10	Yes	No	Yes	MERV-8	NR	NR
Support Areas For Nursing Units And Other Patient Care Areas									
Clean supply room (FGI 2.1–2.8.11.3)	Positive	NR	NR	NR	NR	Yes	MERV-8	NR	NR
Clean workroom (FGI 2.1–2.8.11.2)	Positive	2	NR	NR	NR	Yes	MERV-8	NR	NR
Soiled workroom or soiled holding (FGI 2.1–2.8.12)	Negative	2	10	Yes	No	No	MERV-8	NR	NR

Standards For Pressurization Of Spaces

Design Parameters—Specialized Outpatient Space

Function of Space (f)	Pressure Relationship Adjacent to Areas (n)	Minium Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Minimum Filter Efficiencies (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
Surgery And Emergency Department (Ed)								
Delivery (Caesarean) (FGI 2.1–3.2.3) (m), (o), (v), (gg)	Positive	4	20	NR	No	MERV-16 (dd)	20–60	68–75/20–24
ED humandecontamination (FGI 2.8–3.4.8)	Negative	2	12	Yes	No	MERV-14 (cc)	NR	NR
ED exam/treatment room (FGI 2.8–3.4.2) (p)	NR	2	6	NR	NR	MERV-14 (cc)	Max 60	70–75/21–24
ED public waiting area (FGI 2.8–6.2.3)	Negative	2	12	Yes (q)	NR	MERV-8	Max 65	70–75/21–24
Operating room (FGI 2.1–3.2.3) (m), (o), (v), (gg)	Positive	4	20	NR	No	MERV-16 (dd)	20–60	68–75/20–24
Procedure room (FGI 2.1–3.2.2) (d), (o), (p)	Positive	3	15	NR	No	MERV-14	20–60	70–75/21–24
Phase I recovery (PACU) (FGI 2.1–3.7.4)	NR	2	6	NR	No	MERV-8	Max 60	70–75/21–24
Phase II recovery (FGI 2.1–3.7.5) (u)	NR	2	2	NR	NR	MERV-8	Max 60	70–75/21–24
Pre-procedure patient care (FGI 2.1–3.7.3) (t)	NR	2	2	NR	NR	MERV-8	Max 60	70–75/21–24
Trauma room (crisis or shock) (FGI 2.8–3.4.4) (bb)	Positive	3	15	NR	No	MERV-14	20–60	70–75/21–24
Triage (FGI 2.8–6.2.2.2 & 6.2.2.3)	Negative	2	12	Yes (q)	NR	MERV-8	Max 60	70–75/21–24
Diagnostic And Treatment								
Class 1 imaging room (FGI 2.1–3.5.2.4[1][b][i]) (ff)	NR	2	6	NR	NR	MERV-8	Max 60	72–78/22–26
Class 2 imaging room (FGI 2.1–3.5.2.4[1][b][ii]) (d), (p), (ff)	Positive	3	15	NR	No	MERV-14	20–60	70–75/21–24
Class 3 imaging room (FGI 2.1–3.5.2.4[1][b][iii]) (m), (o), (ff)	Positive	4	20	NR	No	MERV-16 (dd)	20–60	68–75/20–24
Diagnostic imaging waiting (FGI 2.1–3.5.10.4) (g)	Negative	2	12	Yes (q), (r)	NR	MERV-8	Max 60	70–75/21–24
All anteroom (FGI 2.1–3.3.2.3) (i)	(e)	NR	10	Yes	No	MERV-8	NR	NR
All room (FGI 2.1–3.3.2) (i)	Negative	2	12	Yes	No	MERV-8	Max 60	70–75/21–24
PE anteroom (FGI 1.2–4.2.2.1[1]) (n) (w)	(e)	NR	10	NR	No	HEPA	NR	NR
Protective environment room (FGI 1.2–4.2.2.1[1]) (n) (w)	Positive	2	12	NR	No	HEPA	Max 60	70–75/21–24
Cancer treatment area (FGI 2.6–3.1)	NR	2	6	NR	NR	MERV-8	Max 60	70–75/21–24
Dialysis treatment area (FGI 2.10–3.2)	NR	2	6	NR	NR	MERV-8	NR	72–78/22–26
Dialyzer reprocessing room (FGI 2.10–3.8.12)	Negative	NR	10	Yes	No	MERV-8	NR	NR
Bronchoscopy (FGI 2.1–3.2.2.1) (n) (x)	Negative	2	12	Yes	No	MERV-14	NR	68–73/20–23
Instrument processing room (FGI 2.1–4.3.2.3)	Negative	2	10	Yes	No	MERV-8 (s)	NR	NR
Endoscopy procedure room (FGI 2.9–3.2) (h)	NR	2	6	NR	No	MERV-8	Max 60	68–73/20–23
Examination/observation (FGI 2.1–3.2.1)	NR	2	4	NR	NR	MERV-8	Max 60	70–75/21–24
Specialty IC exam room (FGI 2.1–3.2.1.3) (y)	Negative	2	6	Yes	NR	MERV-8	Max 60	70–75/21–24
Laboratory work room (FGI 2.1–4.1.2.1) (z)	Negative	2	6	Yes	NR	MERV-8	NR	70–75/21–24
Pharmacy/med prep (FGI 2.1–3.8.8.2 & 2.1–4.2.2) (b)	Positive	2	4	NR	NR	MERV-8	NR	NR
Laser eye room (FGI 2.1–3.2.2)	NR	2	6	NR	No	MERV-8	Max 60	68–73/20–23
Nuclear medicine (see Section 8.7) (FGI 2.1–3.5.7)	Negative	2	6	Yes	No	MERV-8	NR	70–75/21–24
Toilet or Toilet/Shower room (FGI 2.1–3.10.2)	Negative	NR	10	Yes	No	MERV-8	NR	NR
STERILE PROCESSING (Aa)								
One-room sterile processing (FGI 2.1–4.3.2.3)	NR	2	6	NR	No	MERV-14 (ee)	NR	NR
Sterilizer equipment room (FGI 2.1–4.3.2.2)	Negative	NR	10	Yes	No	MERV-8	NR	NR
Clean workroom (FGI 2.1–4.3.2.2.3)	Positive	2	4	NR	No	MERV-14 (ee)	Max 60	60–73/16–23
Clean supply storage (FGI 2.1–4.3.2.2.4)	Positive	2	4	NR	NR	MERV-14 (ee)	Max 60	72–78/22–26
Supply receiving (FGI 2.1–4.3.2.4)	Negative	NR	10	Yes	No	MERV-8	NR	NR
Decontamination room (FGI 2.1–4.3.2.2)	Negative	2	6	Yes	No	MERV-8	NR	60–73/16–23
Service/Support Space								

Standards For Pressurization Of Spaces

Design Parameters—Specialized Outpatient Space

Function of Space (f)	Pressure Relationship Adjacent to Areas (n)	Minium Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Minimum Filter Efficiencies (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
Environmental services room (FGI 2.1–5.3.1)	Negative	NR	10	Yes	No	MERV-8	NR	NR
Laundry/linen processing (FGI 2.1–4.4.2.1)	Negative	2	10	Yes	No	MERV-8	NR	NR
Clean workroom or clean supply (FGI 2.1–3.8.11)	Positive	2	4	NR	NR	MERV-8	NR	NR
Regulated waste holding (FGI 2.1–5.2.1.3)	Negative	2	10	Yes	No	MERV-8	NR	NR
Soiled workroom or soiled holding (FGI 2.1–3.8.12)	Negative	2	6	Yes	No	MERV-8	NR	72–78/22–26

Standards For Pressurization Of Spaces												
Design Parameters—General Outpatient Spaces (q)												
Function of Space (f)	Pressure Relationship to Adjacent Areas (d)	ach Design Option		All Room Exhauste Directly to Outdoors	Air Recirculated by Means of Room Units (a)	Min. Filter Efficiencies (c)	Design RH% (i)	Design Temperature °F/°C (k)	R _p -R _a Air-Class Design Option			
		Min. Outdoor ach (q)	Min. Total ach (q)						Air Class (q)	R _p cfm/(L·s)/ person and Min. Space Population	(q)	R _a cfm/ft/(L·s/m) (q)
Birthing room (FGI 2.4-2.2)	NR	2	3	NR (h)	NR	MERV-14	Max 60	70–75/21–24	2	10 (5) / 4	0.18 / (0.9)	
Urgent care exam (FGI 2.5-3.2.1) (e)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	2	7.5 (3.8) / 3	0.12 / (0.6)	
Urgent care treatment (FGI 2.5-3.2.2) (e)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	2	7.5 (3.8) / 3	0.18 / (0.9)	
Urgent care triage (FGI 2.5-3.2.3)	Negative	2	3	Yes	NR	MERV-8	Max 60	70–75/21–24	3	10 (5) / 3	0.18 / (0.9)	
Urgent care observation (FGI 2.5-3.3)	NR	2	2	NR	NR	MERV-8	NR	70–75/21–24	2	5 (2.5) / 2	0.12 / (0.6)	
General examination room (FGI 2.1-3.2.1)	NR	2	2	NR	NR	MERV-8	NR	70–75/21–24	1	7.5 (3.8) / 3	0.12 / (0.6)	
Specialty IC exam room (FGI 2.5-3.2.3) (b)	Negative	2	3	Yes	NR	MERV-8	Max 60	70–75/21–24	3	10 (5) / 3	0.18 / (0.9)	
Laboratory work room (FGI 2.1-4.1.2.1) (l)	NR	2	3	NR (h)	NR	MERV-8	NR	70–75/21–24	2	7.5 (3.8) / 2	0.12 / (0.6)	
Medication room (FGI 2.1-3.8.8.2)	NR	2	2	NR	NR	MERV-8	Max 60	70–75/21–24	1	5 (2.5) / 2	0.18 / (0.9)	
Class 1 Imaging rooms (FGI 2.1-3.5) (g)	NR	2	3	NR	NR	MERV-8	Max 60	72–78/22–26	1	7.5 (3.8) / 2	0.12 / (0.6)	
Psychiatric examination room (FGI 2.11-3.2.2)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	1	5 (2.5) / 2	0.06 / (0.3)	
Psychiatric consultation room (FGI 2.11-3.2.4)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	1	5 (2.5) / 2	0.06 / (0.3)	
Psychiatric group room (FGI 2.11-3.2.5)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	1	5 (2.5) / 2	0.06 / (0.3)	
Psychiatric seclusion room (FGI 2.11-3.2.7)	NR	2	2	NR	NR	MERV-8	NR	70–75/21–24	2	10 (5) / 3	0.12 / (0.6)	
ECT procedure room (FGI 2.11-3.2.9.2)	NR	2	2	NR	NR	MERV-8	NR	70–75/21–24	1	7.5 (3.8) / 3	0.12 / (0.6)	
Physical therapy individual room (FGI 2.12-3.2.2.1)	NR	2	3	NR (h)	NR	MERV-8	NR	70–75/21–24	2	10 (5) / 3	0.12 / (0.6)	
Physical therapy exercise area (FGI 2.12-3.2.3)	NR	2	3	NR (h)	NR	MERV-8	NR	70–75/21–24	2	20 (10) / 2	0.18 / (0.9)	
Hydrotherapy (FGI 2.12-3.2.4)	Negative	2	3	Yes	NR	MERV-8	NR	72–80/22–27	3	20 (10) / 2	0.12 / (0.6)	
Physical therapeutic pool (FGI 2.12-3.2.4)	Negative	2	10	Yes	NR	MERV-8	NR	72–80/22–27	3	—	0.48 / (2.4)	
Speech therapy room (FGI 2.12-3.3.2)	NR	2	2	NR	NR	MERV-8	NR	70–75/21–24	1	5 (2.5) / 2	0.06 / (0.3)	
Occupational therapy (FGI 2.12-3.3)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	1	5 (2.5) / 2	0.06 / (0.3)	
Prosthetics and orthotics room (FGI 2.12-3.3.1)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	2	10 (5) / 3	0.18 / (0.9)	
Dental treatment (FGI 2.14-3.1.1)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	1	10 (5) / 3	0.18 / (0.9)	
Other dental treatment areas (FGI 2.14-3.2)	NR	2	3	NR	NR	MERV-8	NR	70–75/21–24	1	5 (2.5) / 2	0.06 / (0.3)	
Toilet room (FGI 2.1-3.10.2)	Negative	NR	4	Yes	No	MERV-8	NR	NR	3	—	—	
SERVICE /SUPPORT SPACE												
Environmental services room (FGI 2.1-5.3.1)	Negative	NR	6	Yes	No	MERV-8	NR	NR	3	—	—	
Clean supply (FGI 2.1-3.8.11) (m) (n)	NR	2	2	NR	NR	MERV-8	NR	NR	1	5 (2.5) / 2	0.12 / (0.6)	
Soiled holding (FGI 2.1-3.8.12) (m) (o) (p)	Negative	NR	6	Yes	No	MERV- 8	NR	NR	3	5 (2.5) / 2	0.12 / (0.6)	

Standards For Pressurization Of Spaces									
Design Parameters for Residential Health, Care, and Support-Specific Spaces									
Function of Space (l)	Pressure Relationship to Adjacent Areas (d)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (f)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (i)	Design Relative Humidity (g), %	Design Temperature (h), °F/°C
Residential Health									
Nursing Homes									
All room (FGI 3.1–2.2.4.1) (b)	Negative	2	12	Yes	No	Yes	MERV-14	Max 60	70–78/21–29
All anteroom (FGI 3.1–2.2.4.1) (b)	Negative	NR	10	Yes	No	Yes	MERV-14	Max 60	70–78/21–29
Occupational therapy (FGI 3.1–3.3.3)	NR	2	6	NR	NR	Yes	MERV-14	NR	70–78/21–29
Physical therapy (FGI 3.1–3.3.2)	Negative	2	6	NR	NR	Yes	MERV-14	NR	70–78/21–29
Resident living/activity/dining (FGI 3.1–2.3.3)	NR	4	4	NR	NR	Yes	MERV-14	Max 60	70–78/21–29
Resident room (FGI 3.1–2.2.2)	NR	2	2	NR	NR	Yes	MERV-14	Max 60	70–78/21–29
Resident corridor (FGI 2.4–2.2.2)	NR	NR	4	NR	NR	Yes	MERV-14	NR	70–78/21–29
Toilet/bathing room (FGI 3.1–2.2.2.6)	Negative	NR	10	Yes	No	No	MERV-14	NR	70–78/21–29
Hospice Facilities									
All room (FGI 3.2–2.2.3.1) (c)	Negative	2	12	Yes	No	Yes	MERV-14	Max 60	70–75/21–24
All anteroom (FGI 3.2–2.2.3.1) (c)	(e)	NR	10	Yes	No	Yes	MERV-8	Max 60	NR
Resident room (FGI 3.2–2.2.2)	NR	2	2	NR	NR	Yes	MERV-8	Max 60	70–75/21–24
Resident corridor (FGI 2.4–2.2.2)	NR	NR	4	NR	NR	Yes	MERV-8	NR	NR
Toilet/bathing room (FGI 3.2–2.2.2.6)	Negative	NR	10	Yes	No	Yes	MERV-8	NR	70–75/21–24
Residential Care And Support Assisted Living Facilities									
Resident living/activity/dining (FGI 4.1–2.3.3)	NR	NR	NR	NR	NR	Yes	MERV-8	NR	NR
Resident room (FGI 4.1–2.2.2)	NR	NR	NR	NR	NR	Yes	MERV-8	NR	70–78/21–29
Resident corridor (FGI 2.4–2.2.2)	NR	NR	NR	NR	NR	Yes	MERV-8	NR	NR
Toilet/bathing room (FGI 4.1–2.2.2.7)	NR	NR	NR	NR	NR	Yes	MERV-8	NR	NR
Service									
Clean linen storage (FGI 2.3–4.6)	Positive	NR	2	NR	NR	No	MERV-8	NR	72–78/22–26
Dietary storage (FGI 2.3–4.5)	NR	NR	2	NR	No	No	MERV-8	NR	72–78/22–26
Food preparation center (FGI 2.3–4.5.3.3) (e)	NR	2	10	NR	No	Yes	MERV-8	NR	72–78/22–26
Hair salon (FGI 2.3–2.3.5 & 4.1–2.3.5)	Negative	NR	10	Yes	NR	Yes	MERV-8	NR	70–78/21–29
Laundry, central and personal (FGI 2.3–4.2.7)	Negative	2	10	Yes	No	No	MERV-8	NR	NR
Linen and trash chute room (FGI 2.3–4.6 & 2.3–4.9)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Medication room (FGI 2.3–4.2.2.2)	NR	2	4	NR	NR	Yes	MERV-8	Max 60	70–75/21–24
Soiled linen sorting and storage (FGI 2.3–4.6)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Warewashing (FGI 2.3–4.5.3.6)	Negative	NR	10	Yes	No	Yes	MERV-8	NR	NR
Clean utility (FGI 2.3–4.2.5)	Positive	2	4	NR	NR	No	MERV-8 (k)	NR	NR
Environmental services room (FGI 2.3–4.9) (j)	Negative	NR	10	Yes	NR	No	MERV-8	NR	NR
Hazardous waste storage (FGI 2.3–4.8)	Negative	2	10	Yes	No	No	MERV-8	NR	NR
Soiled utility or soiled holding (FGI 2.3–4.2.6)	Negative	2	10	Yes	No	No	MERV-8	NR	NR

A-2 Acoustic

Source room	Receiving room																																						
	Clinical areas																	Public areas						Staff areas															
	Single-bed/on-call room	Multi-bed room	Children & older people (single bed)	Children & older people (multi-bed)	Consulting room	Examination room	Treatment room	Counselling/bereavement room	Interview room	Operating theatre suite	Nurseries	Birthing room	Laboratories	Dirty utility/sluite	Clean utility	Speech and language therapy	Snoezelen/multi-sensory room	Multi-faith/chapel	Corridor (no door)	Atrium	Dining	Toilets (not cubicles)	Waiting (large >20 people)	Waiting (small ≤ 20 people)	Toilets (not cubicles)	Main kitchen	Ward kitchen, pantry	Storeroom	Restroom	Locker/changing room	Large training/seminar (>35m ²)	Small training/seminar (≤ 35m ²)	Lecture theatre	Library/archiving room	Single-person office	Multi-person office (2–4 people)	Open-plan office (≤ 5 people)		
Clinical areas																																							
Single-bed/on-call room	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Multi-bed room	37	37	37	37	37	37	37	37	37	42	42	37	37	37	37	37	37	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	42	42	37	37	37
Children & older people (single bed)	47	47	47	47	47	47	47	47	47	52	47	47	47	42	42	52	52	52	42	42	42	42	42	42	42	42	42	42	42	47	42	47	52	52	47	47	47	47	
Children & older people (multi-bed)	42	42	42	42	42	42	42	42	42	47	42	42	42	37	37	47	47	47	37	37	37	37	37	37	37	37	37	37	42	37	42	42	42	47	47	42	42	42	
Consulting room	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Examination room	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Treatment room	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Counselling/bereavement room	47	47	47	47	47	47	47	47	47	52	47	47	47	47	47	52	52	52	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	52	52	47	47	47	
Interview room	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
Operating theatre suite	42	42	42	42	42	42	42	42	42	47	42	42	42	42	42	47	47	47	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	47	47	42	42	42	
Nurseries	52	52	52	52	52	52	52	52	52	≤252	52		47	47	≤7070	47	47	47	47	47	47	47	47	47	47	52	47	52	52	≤	≤252	52	52	52	52		52		
Birthing room	52	52	52	52	52	52	52	52	52	≤252	52		47	47	≤7070	47	47	47	47	47	47	47	47	47	47	52	47	52	52	≤	≤252	52	52	52	52		52		
Laboratories	37	37	37	37	37	37	37	37	37	42	37	37	37	37	37	42	42	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	42	42	37	37	37		
Dirty utility/sluite	42	42	42	42	42	42	42	42	42	47	42	42	42	n/a	n/a	47	47	47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	42	42	47	47	42	42	42		
Clean utility	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	n/a	n/a	n/a	n/a	n/a	37	37	37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	37	n/a	n/a	n/a	
Speech and language therapy	47	47	47	47	47	47	47	47	47	52	47	47	47	47	47	52	52	52	47	47	47	47	47	47	47	47	47	47	47	47	47	47	52	52	47	47	47		
Snoezelen/multi-sensory room	47	47	47	47	47	47	47	47	47	52	47	47	47	47	47	52	52	52	47	47	47	47	47	47	47	47	47	47	47	47	47	47	52	52	47	47	47		
Public areas																																							
Multi-faith/chapel	47	47	47	47	47	47	47	47	47	52	47	47	47	42	42	52	52	52	42	42	42	42	42	42	42	42	42	42	47	42	47	47	52	52	47	47	47	47	
Corridor (no door)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	n/a	n/a	n/a	n/a	42	42	42	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	42	n/a	n/a	n/a	
Atrium	42	42	42	42	42	42	42	42	42	47	42	42	42	n/a	n/a	47	47	47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	42	42	47	47	42	42	42		
Dining	42	42	42	42	42	42	42	42	42	47	42	42	42	n/a	n/a	47	47	47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	42	42	47	47	42	42	42		
Toilets (not cubicles)	37	37	37	37	37	37	37	37	37	42	37	37	37	37	37	42	42	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	42	42	37	37	37		
Waiting (large >20 people)	42	42	42	42	42	42	42	42	42	47	42	42	42	n/a	n/a	47	47	47	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	42	42	47	47	42	42	42		
Waiting (small ≤20 people)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	42	42	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	42	n/a	n/a	n/a		
Staff areas																																							
Toilets (not cubicles)	37	37	37	37	37	37	37	37	37	42	37	37	37	37	37	42	42	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	42	42	37	37	37		
Main kitchen	52	52	52	52	52	52	52	52	52	≤252	52		47	47	≤7070	47	47	47	47	47	47	47	47	47	52	47	52	52	≤	≤252	52	52	52	52		52			
Ward kitchen, pantry	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	n/a	n/a	n/a	n/a	42	42	42	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	42	n/a	n/a	n/a		
Storeroom	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	n/a	n/a	n/a	n/a	n/a	37	37	37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	37	n/a	n/a	n/a		
Restroom	42	42	42	42	42	42	42	42	42	47	42	42	42	37	37	47	47	47	37	37	37	37	37	37	37	37	37	42	37	42	42	42	47	47	42	42	42		
Locker/changing room	37	37	37	37	37	37	37	37	37	42	37	37	37	37	37	42	42	42	37	37	37	37	37	37	37	37	37	37	37	37	37	37	42	42	37	37	37		
Large training/seminar (>35m ²)	47	47	47	47	47	47	47	47	47	52	47	47	47	42	42	52	52	52	42	42	42	42	42	42	42	42	42	47	42	47	47	52	52	47	47	47			
Small training/seminar (≤35m ²)	42	42	42	42	42	42	42	42	42	47	42	42	42	42	42	47	47	47	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	47	47	42	42	42	
Lecture theatre	47	47	47	47	47	47	47	47	47	52	47	47	47	42	42	52	52	52	42	42	42	42	42	42	42	42	42	47	42	47	47	52	52	47	47	47			

Library/archiving room	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	n/a	n/a	n/a	n/a	n/a	37	37	37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	37	n/a	n/a	n/a
Single-person office	42	42	42	42	42	42	42	42	42	47	42	42	42	42	42	47	47	47	42	42	42	42	42	42	42	42	42	42	47	47	42	42	42
Multi-person office (2–4 people)	37	37	37	37	37	37	37	37	37	42	37	37	37	37	37	42	42	42	37	37	37	37	37	37	37	37	37	37	42	42	37	37	37
Open-plan office (≥5 people)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	n/a	n/a	n/a	n/a	n/a	42	42	42	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42	42	n/a	n/a	n/a
Boardroom	47	47	47	47	47	47	47	47	47	52	47	47	47	47	47	52	52	52	47	47	47	47	47	47	47	47	47	47	52	52	47	47	47
Large meeting room (>35 m²)	47	47	47	47	47	47	47	47	47	52	47	47	47	42	42	52	52	52	42	42	42	42	42	42	47	42	47	47	52	52	47	47	47
Small meeting room (≤35 m²)	42	42	42	42	42	42	42	42	42	47	42	42	42	42	42	47	47	47	42	42	42	42	42	42	42	42	42	42	47	47	42	42	42

A-3 Filtration Requirement

FILTRATION REQUIREMENT		
Space Designation (According to Function)	Filter Bank No. 1 (MERV) ^a	Filter Bank No. 2 (MERV) ^a
Operating rooms (ORs); inpatient and ambulatory diagnostic and therapeutic radiology; inpatient delivery and recovery spaces	7	14
Inpatient care, treatment, and diagnosis, and those spaces providing direct service or clean supplies and clean processing (except as noted below); All (rooms)	7	14
Protective environment (PE) rooms	7	HEPA ^{c,d}
Laboratory work areas, procedure rooms, and associated semirestricted spaces	13 ^b	NR
Administrative; bulk storage; soiled holding spaces; food preparation spaces; and laundries	7	NR
All other outpatient spaces	7	NR
Nursing facilities	13	NR
Psychiatric hospitals	7	NR
Resident care, treatment, and support areas in inpatient hospice facilities	13	NR
Resident care, treatment, and support areas in assisted living facilities	7	NR