STRATEGIES FOR COMPLYING WITH CDC ISOLATION AND PPE GUIDELINES

Once an Ebola patient presents at the ED, they must proceed from triage or the EMS entry directly to an isolation room. This document discusses a range of solutions for converting or creating isolation space to comply with the October 20, 2014 CDC guidelines for PPE donning, doffing, and staff observation. Approaches vary from interim configurations with minimal facility impacts to long term solutions with dedicated space and additional square footage.

When determining an appropriate level of facility intervention, hospitals in major metropolitan areas with an international airport may consider solutions 3, 4, or 5. Solutions 1 or 2 may suffice for rural and community-based hospitals or hospitals with a relatively low infection risk. Regardless of the approach, flexible dual use spaces can serve infectious patients now, and function differently as program needs evolve.

GUIDELINES SUMMARY





COMPARISON OF RECOMMENDATIONS



Isolate patients: private room, toilet

1 way flow from clean to contaminated patient room

Donning must occur outside

Doffing: chair(s) Trained observer + infectious must watch all waste container phases





recommended

	1	2	3	4	5
Donning Configuration	Corridor	Adjacent Room	Ante Room	Ante Room	Ante Room
Doffing Configuration	Ante Room	Ante Room	Dedicated Space	Hot Zone for Decon Shower	Staff Toilet
Observation Configuration	Corridor	Corridor	Corridor, Staff Toilet	Cold Zone for Decon	Alcove
Size	310 sf	475 sf	445 sf	555 sf	440 sf
Cost - Phased Retrofit in Occupied Space	\$69,000	\$78,000	\$106,000	\$142,000	\$95,000
Cost - New Space	\$55,000	\$63,000	\$87,000	\$118,000	\$78,000

HAS YOUR E.D. MANAGED RISK APPROPRIATELY?

If you feel that your facility does not address the minimal guidelines, Christopher Morales can help you find the right balance between immediate needs and future flexibility.

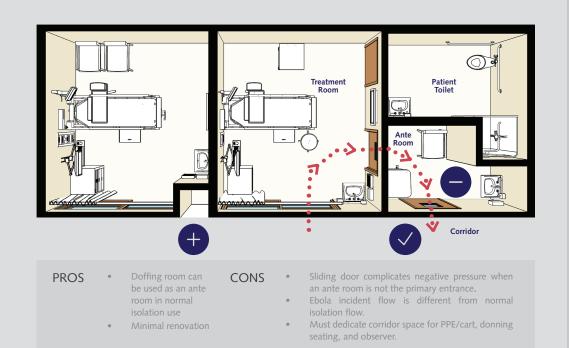


Appropriate for emergency departments that have a very low risk for an Ebola occurrence,

such as in community hospitals. This configuration requires an existing available ante room.

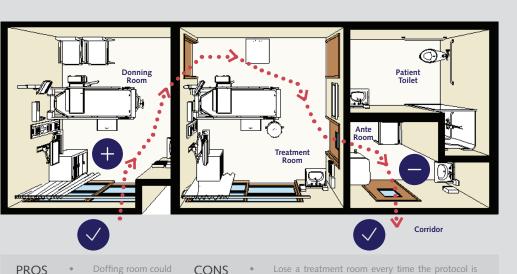
Donn in Corridor

Doff in Ante Room



Donn in Adjacent Room Doff in Ante Room

Appropriate for emergency departments with a lower risk for an ebola occurrence. This configuration requires staff to commandeer an additional treatment room for donning in the event of Ebola isolation.



be used as standard ante room when activated



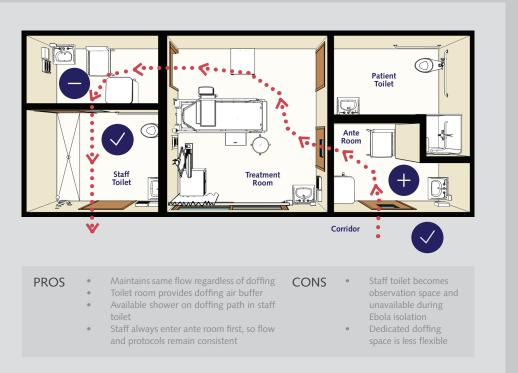
CONS • Lose a treatment room every time the protocol is

- Adjacent room door requires additional security measures during normal use
- Ebola incident flow is different from normal isolation flow.



Donn in Dedicated Space Doff in Staff Toilet

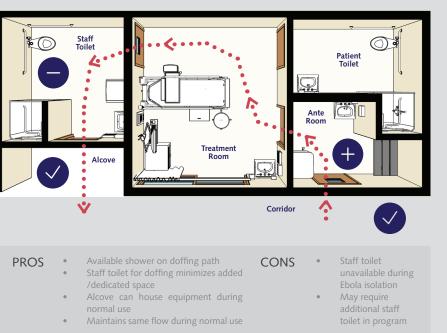
Appropriate when hospital infection control risk assessment (ICRA) indicates a higher Ebola risk and need for dedicated doffing space.



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Donn in Ante Room Doff in Staff Toilet

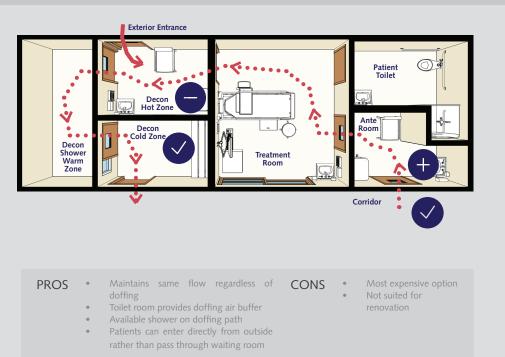
Appropriate when hospital infection control risk assessment (ICRA) indicates a higher Ebola risk but dualnatured spaces and flexibility are important during day-today use.





Donn in Ante Room Doff in Decon Shower

Appropriate when the isolation space can be newly constructed as part of a 3-zone decontamination strategy.







* important for flexibile functionality during typical airborne isolation use







Clean Room lighting fixtures, cleanable hard ceilings.



*Negative pressure airflow, independent HVAC systems.



No built-ins. Portable / disposable storage.



*100% outside air and 100% exhaust with dedicated filters.