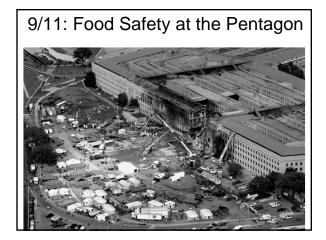
Infection Prevention and Emergency Management

Terri Rebmann, PhD, RN, CIC Associate Professor



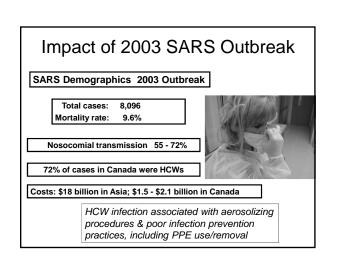
Objectives

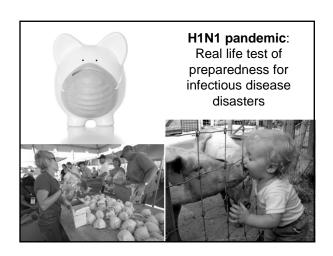
- Impact of infectious diseases during disasters
- Interventions for infection prevention during disasters
 - All healthcare settings
- How to assess organization's response plan r/t infection prevention

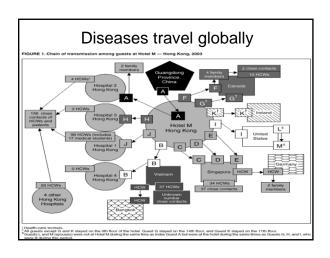


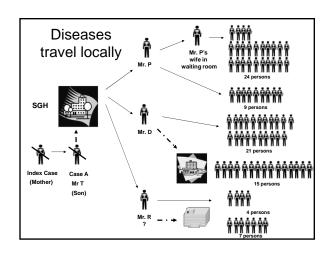


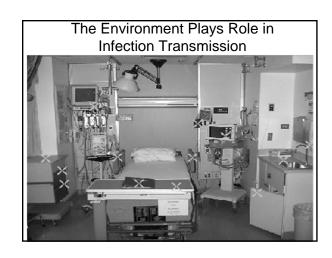


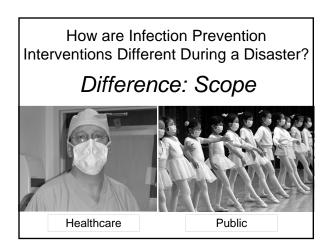






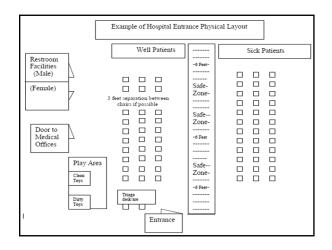






We need rapid identification of an incident





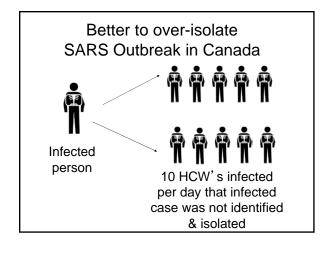
Isolation

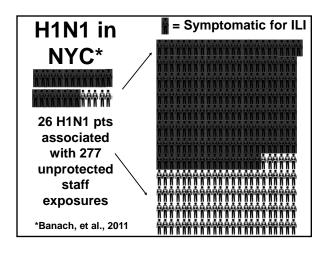
- Follow HICPAC guidelines when possible
- Undiagnosed: transmission based precautions

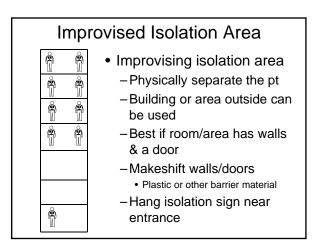
Symptoms Isolation Precautions Needed

Cough, runny nose, watery eyes = Standard
Fever & cough (adults) = Droplet
Fever & cough (kids) = Droplet & Contact
Fever, cough, bloody sputum, & wt loss = Airborne
Eye infection or drainage = Standard

See table in APIC document



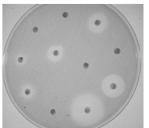




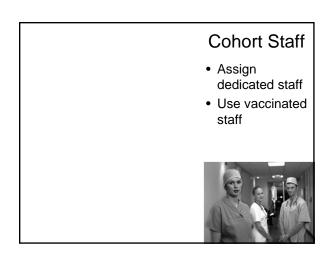


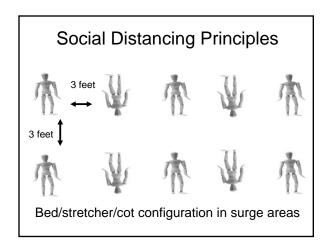
Discontinuing Isolation • Do not D/C isolation until anti-

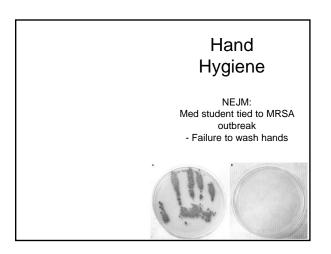
 Do not D/C isolation until antiinfective therapy sensitivity is verified











Need PPE

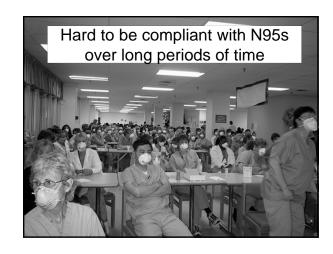
 Adequate amounts
 Teach healthcare personnel how to use it

PPE Estimates for Planning & Stockpiling				
Category of Staff	Respirator	Gown (disposable)	Gloves (disposable)	Goggles
Little to no exposure	1 disposable per contact/exposure	1 per exposure	1 per contact	None
Prolonged exposure	1 <u>reusable</u> per outbreak (plus 2 cartridges/month*)	1 per exposure	1 per contact	1 per outbreak
Infrequent exposure(s)	1 <u>reusable</u> per outbreak (plus 2 cartridges/month*)	1 per shift	1 per contact	1 per outbreak

*Disposable respiratory cartridges are needed for reusable respirators.

Radonovich et al. (2009)





Extending
the
Use/Reusing
Respirators

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Guidance

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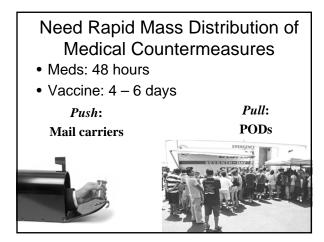
Linen Management

- Laundry staff need PPE
- Consider using disposable linens
- · Bag at point of use

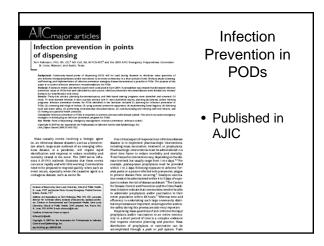
Smallpox is a major risk for laundry personnel







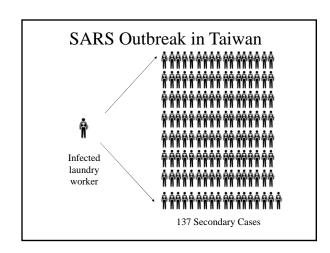


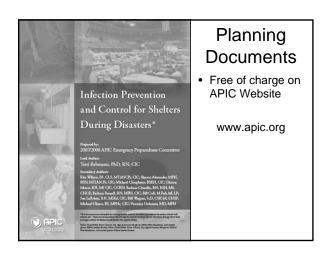


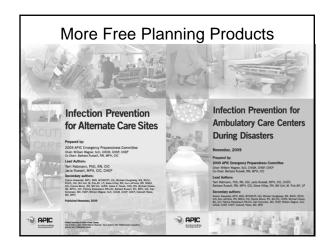
Need liberal sick leave policy for disasters

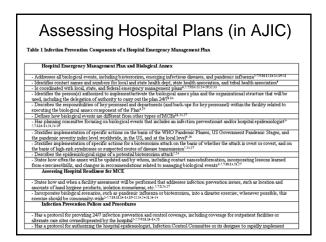
HCW role in disease spread

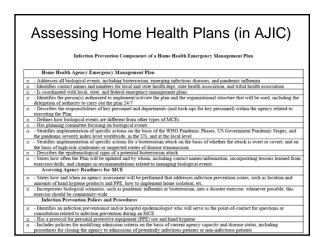
True or False: 25% of unvaccinated HCWs claim they don't have a role in disease tx

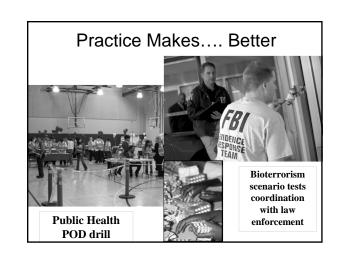


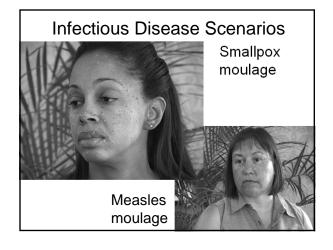












Conclusions

- Risk of disease spread during IDDs is high
- Disaster planning r/t infection prevention is essential
- We need to test our plans

References

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