

# Home vs Hospital

## What is the client space and how do we measure quality metrics?

Sanj Chetty

Infection Prevention & Control Practitioner for Community

# Disclosure

**I have no actual or potential conflict of interest in relation to this presentation.**





# Environment

What is it about a home setting that sets it apart from a hospital setting?

# Challenges



**Unsanitary condition**

**Clutter/hoarding**

**No access to hand hygiene facilities (Russel et al, 2021)**

**Pets & infestations**

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# Challenges

## **Poor Air Circulation (Adams et al, 2021)**

Lack of control of # of household guests and their behaviors (Pogorzelska-Maziarz et al, 2020)

## **Limited or no caregiver support**

**Not enough space to set up a proper work surface**



# Solutions & Strategies

**Alcohol-based hand rub (ABHR), towelettes &/or  
soap/paper towels (IPAC Canada, 2015)**

**Health care approved cleaning and disinfection  
wipes**



**Reusable non-critical devices**

**Waste disposal**





# Medication preparation & administration

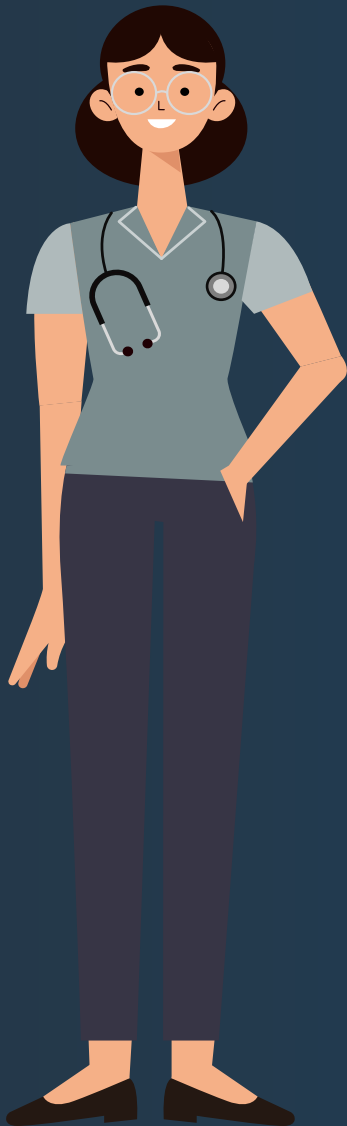
# Quality Metrics



## Audit tools

### Informal interview questions (CDC)

E.g., cleaning and disinfection of re-usable, non-critical devices & hand hygiene



# Healthcare Worker

# Challenges



**Working alone**

**Travel time**

**Unpredictable environments/unfamiliarity**



**Client/family dynamics and non-compliance  
(Pogorzelska-Maziarz et al, 2020)**

**Intermittent nature of care**

**Operating hours restricted to day and evening  
(Adams et al, 2021)**





**Uncooperative client behaviors & cognitive deficits**

**Inadequate dressing disposal or unsafe sharps**

**disposal practices (Russel et al, 2021)**



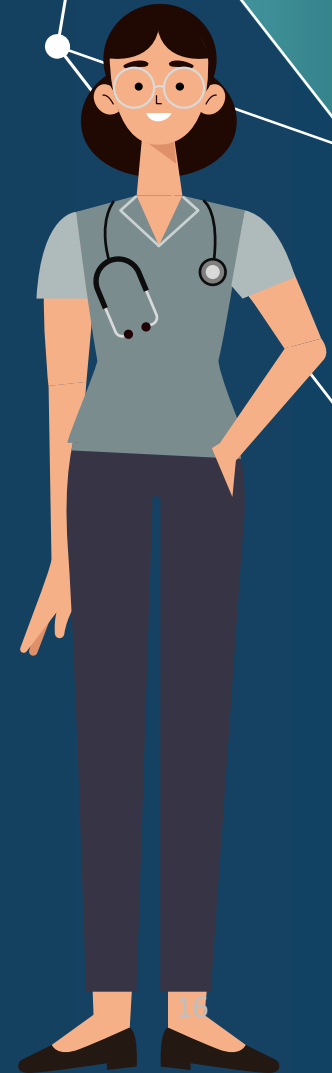
**Carrying everything that is needed to set up routine practices & additional precautions (if needed) in a supply bag**

**Running out of supplies**



**Lack of timely communication between  
HCWs**

**Staffing challenges**








# Solutions & Strategies

## Screening

- Grouping symptomatic clients to end of day
- Streamlined approach for updates & changes





**Assembly of supplies**  
**Hand hygiene**  
**Cleaning & Disinfection**  
**PPE**

## Additional precautions

- limit shared, re-usable equipment
- Use disposable items, if possible
- Dedicate equipment and leave in client's till discharge
- Donning/doffing station

# Supply Bag

- ▶ bag selection
- ▶ Easy to access pockets for frequently used items
- ▶ Keep bag away and openings closed
- ▶ Additional precautions





**Vehicle space**

**Client & family education**

# ✓ Quality Metrics



## Audit tools

### Self-assessment questions (CDC)

E.g., measuring practices related to hand hygiene and additional precautions

Vancouver General  
Hospital



# Organization

**Lack of time/staffing**

**Lack of IPAC ed and  
resources**

# Challenges

**Storage & availability of  
supplies**

**Access to supplies  
for HCW**  
(Adams et al, 2021)





# Solutions and Strategies

**Satellite location to store supplies**



## Organization policy & procedure Access to IPAC decision making support tools

- Standard operating procedures
- Clinical practice guidelines
- Consultations
- IPAC website
- Written materials

**(Adams et al, 2021)**



## Staff education

- new hire orientation
- IPAC curriculum
- staff huddles/meetings
- train the trainer approach
- continuing education

# Quality Metrics



Quality of care  
Clinical performance  
Client safety



# Conclusion

**Thank You**

# References

- Adams, V., Song., J. & Shang, J. (2021). Infection prevention and control practices in the home environment: examining enablers and barriers to adherence among home health care nurses. *American Journal of Infection Control* 49, 721-726.
- Dowding, D., McDonald, M.V., & Shang, J. (2020). Implications of a US study on infection prevention and control in community settings in the UK. *British Journal of Community Nursing*, 25(12), 578-583.
- McGoldrick Friedman, M. (2003). Infection control update for home care and hospice organizations. *Home Healthcare Nurse: The Journal for the Home Care and Hospice Professional*, 21(11), 753-759.
- McKenzie, H. (2010). Keeping our vulnerable health through infection control and prevention. *Home Healthcare Nurse*, 27(4), 253-254.
- Pogorzelska Maziarz, M., Chastain, A., & Mangal, S. (2020). Home health staff perspectives on infection prevention and control: implications for coronavirus disease 2019. *Journal of American Medical Directors Association*, 21(12), 1782-1790.

Russel, D., Dowding, D., & Trifilio, M. (2021). Individual, social and environmental factors for infection risk among home healthcare patients: a multi-method study. *Health and Social Care in the Community*, 29, <https://doi.org/10.1111/hsc.13321>.

Siegel, J.D., Rhinehart, E., & Jackson, M. (2007). 2007 guideline for isolation precautions: preventing transmission of infectious agents in health care settings. *American Journal of Infection Control*, 35(10), 65-123.