Behavioral Solutions

RFID monitoring

- Records caregiver’s movements within room
- Entering room triggers lighting, vibration reminders
- Detects movement into patient or sink zone
- Deactivates system when caregivers leaves room

Medical Records

- Patient records displayed next to the sink for status checks while washing hands.
- Activating sink starts on-screen timer to ensure caregiver washes for 15 seconds.
- System logs off when caregiver leaves room.

Lighting Cues

- Track lighting illuminates path to sink
- Undersink light draws eye to sink
- If sink not activated within 15 seconds, lighting begins to blink

Pocket Cleaners

- Antiseptic gel bulb in waterproof pocket on jacket
- Disinfectant solution always with caregiver
- Disposable cartridge replaceable when empty
- Vibrator on pocket reminds caregiver to use Clean Pocket or sink

Environmental Solutions

Travis Reineke Fischer (tfischer@gatech.edu), David Herren (gtg153r@mail.gatech.edu), Vijay Ramnath (vijayramnath@gatech.edu), Youngseon Choi (ys.choi@gatech.edu)