



## **Mobile Handheld Device (MHD) Disinfection Policy and Procedure**

Pertains to: Nursing Services

Effective Date:

Revised Date:

Review Date:

### **ENHANCED MOBILE HANDHELD DEVICE DISINFECTION SOLUTION**

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Mobile devices have infiltrated healthcare environments posing new challenges for infection prevention and control. Numerous studies have documented that mobile handheld devices are frequently contaminated with healthcare-associated pathogens, but they are seldom cleaned and disinfected due to individuals being unsure of what kind of products and methods to use to decontaminate their electronics. In addition, traditional disinfecting wipes are ineffective due to the dwell times for the product to work effectively.

The AUVS UV Box is an enhanced Mobile Handheld Device No Touch Disinfection Solution that has been tested in an FDA Testing Lab and validated for a four log 99.99% reduction for Clostridium Difficile spores and all other pathogens.

### **MOBILE HANDHELD DEVICE - POLICY & PROCEDURES**

**CORE PREVENTION STRATEGIES**--- Strategies that should always be in place

**Mobile Handheld Device (MHD)** including any medical and personal devices used by caregivers that travel from patient rooms or nursing units (e.g. Stethoscopes, Glucometers, Mobile Phones, Tablets, Pagers) can spread health-care associated pathogens to patients, staff and visitors between encounters.

- All visitor MHD's should be disinfected using the UV Box prior to entry to the nursing unit and patient care areas.
- All MHD's will be disinfected using the UV Box immediately upon leaving all patient rooms that have any contact isolation precautions.
- MHD's that caregivers use that move within the nursing unit should be cleaned and disinfected at a minimum at the beginning and end of the shift.
- All MHD's that touch any patients should be cleaned and disinfected prior to being used with any other patients to avoid cross-contamination of pathogens.

- All MHD's that leaves a designated nursing unit should be cleaned and disinfected when entering and leaving the unit.

## **TARGET CARE AREAS:**

1. Information Desk
2. Operating Room Unit Manager Station
3. All Intensive Care Units (ICU) and Critical Care Units (CCU)
4. Medical Surgical Units
5. Emergency Room
6. Clinics
7. Physical Medicine and Rehabilitation
8. Obstetrics
9. Cafeteria
10. Nurses Lounge

## **Mobile Handheld Device (MHD) Disinfection Procedure**

### **EQUIPMENT:**

#### **1. AUVS Tabletop UV Disinfection System "UV Box"**

### **MHD DISINFECTION PROCEDURE**

#### **1. MHD Pre-disinfection Process**

Two-part practice, cleaning and decontamination. Effective decontamination (disinfection) occurs when bio-films, blood, soil, debris is removed through the cleaning process and exposing pathogens to the UVC light. Once this is completed you are ready to place the MHD in the UV Box for disinfection using the procedure below.

- MHD's with visible blood, soil, debris should be cleaned before disinfection process.
- Cleaning/detergent agents should be selected that will not damage the devices.
- The mechanical action Microfiber is effective and will not damage LED screens.

#### **2. MHD Ultraviolet Decontamination following Pre-disinfection Process**

- Place the MHD in the UV Box (tabletop UV-decontamination chamber) on the quartz rods.
- Do not stack or allow sides of inserted items to touch each other during disinfection process
- Make sure the power is on to the unit, the green light will be illuminated.
- Close the door and turn the knob clockwise to lock the door.

- Press the red/light button to begin the 55 second decontamination cycle. The red button and the blue light will illuminate.
- When the red light/button and blue light will turn off when the disinfection cycle is over.
- Remove the MHD's from the UV Box and use as normal.
- Safety Note: If the UV Box must be opened before the disinfection cycle is completed, open the door and remove the devices. The UV lamps will automatically turn off. Restarting the UV Box will start at the beginning of the disinfection cycle.