



Condition: Infection Control

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Special thanks to the CMS transition team for permission to use their slides

Objectives

Demonstrate understanding of:

- ✦ The new infection control regulations
- ✦ Changes from the “old” to the “new” regulations

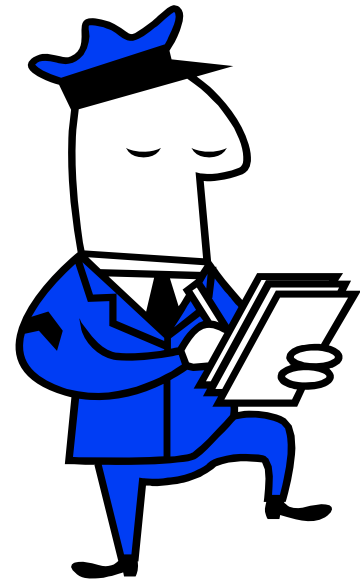
Old vs. New Regulations

✦ Prior

- 2 tags to cite deficiencies

✦ Now

- 29 specific tags to cite deficiencies in the Infection Control COP





Infection Control

 Infection Control regulations – apply to both chronic in-center dialysis & home dialysis programs

 Incorporated CDC documents:

- RR-05: *Recommendations for Preventing Transmission of Infections Among Chronic HD patients*
- RR-10: *Guidelines for the Prevention of Intravascular Catheter-Related Infections*



Environment/IC Program

- ✦ Sanitary environment in the dialysis facility & between the unit & other areas (V111)
- ✦ Components of an infection control program (V112)

Gloves & Hand Hygiene

“Hand washing is the most important measure to prevent contaminant transmission.”--CDC

V113 requires:

- ✚ Wear gloves – Whenever caring for a patient or touching the patient’s equipment.
- ✚ Remove/change gloves – Must perform hand hygiene after removal of gloves between each patient or station.

Gloves & Hand Hygiene



Hand hygiene

- Use soap & water or alcohol-based antiseptic hand rub
- Visibly soiled vs. not visibly soiled



Intravascular catheters

- Staff should wear clean or sterile gloves when changing the dressing on IV catheters
- Hand hygiene performed before & after palpating catheter insertion sites, as well as before & after accessing or dressing an IV catheter

Sinks with Warm Water & Soap

V114 Requires:

- ✦ Sinks must be available & easily accessible to facilitate hand washing
 - Includes in the patient treatment area, reuse room, medication area, home training room, & isolation area/room
 - Sinks must be supplied with both hot & cold water
 - Uncontaminated supply of paper towels available

Expect:

- ✦ Dedicated hand washing sinks
- ✦ Designated utility sinks
- ✦ Sink available for patients to wash hands & access sites

PPE: Must Wear Gowns

V115 requires:

- ✦ A gown or lab coat must be worn when the spurting or spattering of blood, body fluids, potentially-contaminated substances or chemicals might occur
 - Aprons are not sufficient PPE during procedures that may result in the spurting or spattering of blood
- ✦ Clarifies when staff, patients, & visitors should wear PPE & when the PPE should be changed

Items Taken Into the Dialysis Station





V116 requires:

- ✖ Items taken into the dialysis station
 - Dispose, dedicate, or clean & disinfect
 - Unused supplies or medications should not be returned to a common area or used on other patients



Clean/Dirty Areas & Medication Preparation Areas

V117 requires:

-  Separate clean from contaminated areas
-  Prepare individual patient meds in a centralized area away from the treatment area
 - Designate area only for medication prep
 - Deliver separately to each patient
-  Do not move the medication cart from patient station to patient station to deliver medications
-  If trays are used, clean between patients

Single Use Vials = Single Use

V118 requires:

- ✘ Single dose vials **cannot** be punctured more than once
 - Must be used for only one patient
 - Not entered more than once
 - If entered, may not be stored for future use.

BRAND NEW: MMWR August 15, 2008 retracts the 2002 CDC communication allowing multiple use of single use vials

- ✘ Multi-use vials: residual medication from two or more vials must not be pooled into a single vial



Supply Cart & Supplies

V119 requires:

- ✖ If a common supply cart is used, do not move the cart from patient station to patient station to deliver supplies
- ✖ Do not carry supplies, patient care items, or medications in pockets

Transducer Protectors

V120 requires:

- ✦ External venous & arterial pressure transducer filters/protectors
 - Use for each patient treatment
 - Change between each patient
 - Change if it becomes “wet”
- ✦ If the external transducer protector becomes wet
 - Replace immediately & inspect
 - If fluid visible, qualified personnel must inspect inside of the dialysis machine after that patient treatment
 - If contaminated occurred, machine must be taken out of service & disinfected



Handling Infectious Waste

V121 requires:

- ✦ Handling, storage, & disposal of potentially infectious waste infectious waste
 - Be aware of your State & local laws

● Cleaning & Disinfecting of Contaminated Surfaces, Medical Devices, & Equipment

V122 requires:

✚ Protocols for cleaning & disinfecting surfaces & equipment

- Manufacturer's DFUs followed
- CDC recommended disinfection procedures

✚ Cleaning & disinfection of environmental surfaces completed between patient uses

- Chairs, beds, machines & containers associated with prime waste, adjacent tables & work surfaces



Cleaning & Disinfecting of Contaminated Surfaces, Medical Devices, & Equipment

V122 requires:

- ✦ Clean & disinfect medical devices & equipment after each patient
 - Scissors, hemostats, clamps, stethoscopes, blood pressure cuffs
- ✦ Blood spills cleaned effectively & immediately
 - “Intermediate-level” disinfectant

Hepatitis B Routine Testing, Vaccination, Screening, & Seroconversion (V124-127)

- ✚ Routine testing for HBV (V124)
 - HBV status of all patients known before admission to the HD unit
 - Test all patients as required by the CDC schedule
- ✚ Results of HBV testing promptly reviewed (V125)
- ✚ Vaccination of susceptible patients & staff members (V126)
 - All susceptible patients & staff are offered hepatitis B vaccination



Hepatitis B Routine Testing, Vaccination, Screening, & Seroconversion



Test for response to the Hepatitis B vaccine (V127)



Seroconversion (V125)

- Reported to the State or local health department
- Isolation of the seroconverted patient
- Review all patients' lab test results for seroconversion

HBV+ Isolation Room/Area

V128 & V129: Isolation of HBV+ Patients



Effective Feb 9, 2009, every new facility **MUST** include an isolation room for treatment of HBV+ patients, unless the facility is granted a waiver of this requirement



For existing units in which a separate room is not possible, there must be a separate area for HBsAg positive patients



Isolation of HBV+ Patients

- ☀ Dedicated machines, equipment, supplies, & medications (V130)
 - Used only for HBV+ patients until patient is discharged from facility
- ☀ Staff assigned to care for HBV+ patient (V131):
 - May only care for other HBV+ patients or
 - HBV immune patients



Staff Training & Education

V132



Infection Control Training & Education

- Required for both new & existing staff members

V147



Education & training for care of IV catheters

● Oversight for Infection Control Practices/ Program & Reporting Requirements

- ✖ Biohazard & infection control policies & activities (V142)
- ✖ Compliance with current aseptic techniques in IV medication dispensing & administration (V143)
- ✖ Reporting of infection control issues to the medical director & QAPI committee (V144)
- ✖ Reporting communicable diseases (V145)



IV Catheter Care & Maintenance

V146-148

- ✦ Adopts RR-10 CDC recommendations related to catheters as regulation (V146)
- ✦ Monitor catheter sites (V147)
- ✦ Conduct surveillance for catheter related infections (V148)



Condition: Physical Environment

Physical Environment

Includes:

- ✦ 2000 Addition of Life Safety Code (LSC) of National Fire Protection Association (NFPA)
 - Ambulatory Health Care Occupancy
 - Fire safety: sprinklers/waivers
- ✦ Emergency Preparedness
 - Staff training
 - CPR certification
 - Defibrillator/AED

Physical Environment

Organized around:

🏗️ Building

🛠️ Equipment

🌿 Environment

Building: Safe (V401-402)

- ✖ No obstacles (risks for falls)(V401)
- ✖ Intact surfaces (no loose tiles or broken work surfaces) (V401)
- ✖ Only authorized persons admitted (doors not propped open) (V402)
- ✖ Meets State, local building codes (V402)

Safe & Functional Equipment: V403

Hemodialysis Delivery Systems:

- ✚ Safety checks done before use
- ✚ Transducer protectors used & changed appropriately
- ✚ Functional monitors & alarms
- ✚ Heparin pumps maintained
- ✚ PMs in accordance with DFU
- ✚ Home patients' equipment included

No "Dummy Drip Chambers"

Safe & Functional Equipment (V403)

- ⚠ Water treatment system*
- ⚠ Reuse system*
- ⚠ Ancillary Equipment
- ⚠ Emergency Equipment
- ⚠ Furniture

*Problems in these areas should be cited in those specific Conditions

Emergency Equipment: V413

On premises & immediately available:

- ✘ Defibrillator or AED
- ✘ Suction
- ✘ Oxygen
- ✘ Airways
- ✘ Ambu bag
- ✘ Emergency drugs

And

- ✘ Emergency evacuation supplies (V408)

Safe & Functional Environment

- ✚ Operational (lighting, heating, air conditioning, space) (V401)
- ✚ Sufficient space for patient treatment (V404) & privacy (V406)
- ✚ Temperature: accommodate staff & patient needs (V405)
- ✚ Patient must be in view of staff during the HD treatment (video surveillance does not meet this requirement). Includes expectation that access sites & bloodline connections will not be covered. (V407)



Infection Control & Physical Environment

Questions?