

## CDC CAMPAIGN TO PREVENT ANTIMICROBIAL RESISTANCE IN HEALTHCARE SETTINGS

### 12 Steps to Prevent Antimicrobial Resistance Among Long-term Care Residents

#### Prevent Infection

##### Step 1. Vaccinate

- Give influenza and pneumococcal vaccinations to residents
- Promote vaccination among all staff

##### Step 2. Prevent conditions that lead to infection

- Prevent aspiration
- Prevent pressure ulcers
- Maintain hydration

##### Step 3. Get the unnecessary devices out

- Insert catheters and devices only when essential and minimize duration of exposure
- Use proper insertion and catheter-care protocols
- Reassess catheters regularly
- Remove catheters and other devices when no longer essential



#### Diagnose and Treat Infection Effectively

##### Step 4. Use established criteria for diagnosis of infection

- Target empiric therapy to likely pathogens
- Target definitive therapy to known pathogens
- Obtain appropriate cultures and interpret results with care
- Consider *C. difficile* in patients with diarrhea and antibiotic exposure

##### Step 5. Use local resources

- Consult the infectious disease experts for complicated infections and potential outbreaks
- Know your local and/or regional data
- Get previous microbiology data for transfer residents



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## Use Antimicrobials Wisely

### Step 6. Know when to say “no”

- Minimize use of broad-spectrum antibiotics
- Avoid chronic or long-term antimicrobial prophylaxis
- Develop a system to monitor antibiotic use and provide feedback to appropriate personnel



### Step 7. Treat infection, not colonization or contamination

- Perform proper antisepsis with culture collection
- Re-evaluate the need for continued therapy after 48-72 hours
- Do not treat asymptomatic bacteriuria

### Step 8. Stop antimicrobial treatment

- When cultures are negative and infection is unlikely
- When infection has resolved

## Prevent Transmission

### Step 9. Isolate the pathogen

- Use Standard Precautions
- Contain infectious body fluids (use approved Droplet and Contact isolation precautions)



### Step 10. Break the chain of contagion

- Follow CDC recommendations for work restrictions and stay home when sick
- Cover your mouth when you cough or sneeze
- Educate staff, residents, and families
- Promote wellness in staff and residents

### Step 11. Perform hand hygiene

- Use alcohol-based handrubs or wash your hands
- Encourage staff and visitors

### Step 12. Identify residents with multi-drug resistant organisms (MDROs)

- Identify both new admissions and existing residents with MDROs
- Follow standard recommendations for MDRO case management

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