WHAT’S NEW WITH OSHA AND INFECTION CONTROL?

Mary Govoni, CDA, RDH, MBA

NEW OSHA REGULATIONS

• Injury reports
  - Affects employers with >15 employees
  - If worker loses a limb or an eye, or is hospitalized, must report directly to OSHA/MIOSHA

NEW OSHA REGULATIONS

• New SDS format - Manufacturers must comply by 6/1/15
  • Update SDS’s
  • New labeling required in office required by 6/1/16

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Action</th>
<th>Who</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 1, 2013</td>
<td>New employee on the new data element and safety data sheet (SDS) format</td>
<td>Employer</td>
</tr>
<tr>
<td>June 1, 2015</td>
<td>Compliance with all modified provisions of the new data element and safety data sheet (SDS) format</td>
<td>Chemical manufacturer, importers, distributors and employers</td>
</tr>
<tr>
<td>December 1, 2013</td>
<td>New labeling required in office</td>
<td>Employer</td>
</tr>
<tr>
<td>June 1, 2015</td>
<td>Update alternative employee training and hazard communication program for employees, and ensure written employee training for employees</td>
<td></td>
</tr>
<tr>
<td>June 1, 2015</td>
<td>Poster regarding use of cleaning solutions</td>
<td>Chemical manufacturer, importers, distributors, and employers</td>
</tr>
</tbody>
</table>

NEW EPA RULE

• Amalgam Separators
  - Some practices may be exempt
  - Finalized rule in 2015
UPDATE ON CDC GUIDELINES

WHAT’S HAPPENING IN INFECTION PREVENTION?

HIV/AIDS
- New hope for HIV vaccine
- Scripps Research Institute Research Institute
  - Designer protein found to be effective in blocking all strains of HIV
  - Blocks virus from entering cells and preventing replication

HEPATITIS C
- CDC advisory on one-time hepatitis C testing
  - For “baby boomers” - born btw 1945-1964
  - 25% of U.S. population
  - 73% of new cases of HCV come from this age group
  - Exposure may have been >20 years ago
  - 3.2 million currently diagnosed
  - 800,000 (est.) don’t know they are infected

HEPATITIS C
- FDA approves new drugs for HCV treatment
  - Olysio - works with current drugs
  - Ribavirin
  - Interferon
  - Other drugs for HVC treatment include:
    - Victrelis
    - Incivek
  - Sovaldi - works without Interferon - said to “cure HVC”

MEASLES
- U.S. Multi-state Measles Outbreak, December 2014-February 2015
  - Unvaccinated children
  - Symptoms:
    - Skin rash, fever, cough, runny nose, conjunctivitis, feeling achy and run down, white spots in the oral cavity
**EBOLA (EVD)**

- Epidemic in West Africa
  - >8,800 deaths
- First cases diagnosed in U.S. (Dallas)
  - One transmission while in Liberia – patient died
  - Two health care workers caring for patient
    - First transmissions within U.S. borders
  - One health care worker infected in Guinea
  - One health care worker infected in Sierra Leone
    - 2 negative Ebola tests before 3rd test was positive
    - Patient died
  - Quarantine issues for returning HCW’s

---

**EBOLA (EVD)**

- Symptoms
  - Fever >101.5°
  - Severe headache
  - Muscle pain
  - Weakness
  - Diarrhea
  - Vomiting
  - Abdominal pain
  - Unexplained bleeding or bruising

---

**MERS**

- Middle East Respiratory Syndrome Coronavirus
  - MERS-CoV)
- New to humans, present in camels
- First discovered in Saudi Arabia in 2012
- First cases in US in May 2014
- Symptoms: fever, cough, shortness of breath
- Can be transmitted in health-care setting
- Precautions for persons who have visited the Arabian peninsula

---

**CLOSTRIDIUM DIFFICILE – C. DIF**

- Deadly infection now an epidemic in U.S.
  - Severe diarrhea from toxins released by bacteria
- HAI – hospital acquired infection
- Elderly, and patients on antibiotics most vulnerable
- Use caution when prescribing antibiotics
- Chlorine based disinfectant needed to kill C. dif
  - Use bleach or new product - Steriplex SD (dilomed)
  - UV light may also be effective

---

**CRE**

- Carbapenem-Resistant or Carbapenemase-Producing Enterobacteriaceae
  - Infections spread through endoscopes (gastric)
  - No known effective antibiotics
  - Hospitals, CDC and FDA reviewing cleaning and sterilization protocols for scopes
IC PROTOCOLS

Vaccinations for DHCP
- HBV - OSHA mandate for employers to provide
- No recommendation/mandate for boosters
- Boosters given in case of exposure incident
- Influenza
- Tdap
- MMR
- Varicella
- Zostavax - Shingles

Environmental Asepsis
- Barriers vs. Disinfectants
- What type of disinfectant?
  - Tuberculocidal - intermediate level, hospital grade
  - One-step vs. Two-step
  - Spray or wipe?
  - Environmental considerations

Packaging of instruments and other items
- What must be packaged?
- Dating packages?
- Placement in sterilizer?

Process Indicators vs. Integrators
- Why is it important?
- Isn’t the indicator on the tape/bag enough?
- What is the difference?

Personal Protective Equipment
- Eyewear
  - Glasses, goggles and face shields
- Respiratory Protection
  - Masks
- Hand Protection
  - Exam gloves vs. Utility gloves
- Protective Clothing
  - Lab coats, jackets, others?

Post Exposure Protocol
- Must be documented
- Must have facility designated for employees/patient to go for testing
  - HIV
  - Hepatitis B and C
- Facility must be able to do rapid HIV testing
- Health care providers must be able to provide evaluation and counseling to employees
IC PROTOCOLS

- Post Exposure Protocol
  - Wash affected area
  - Don’t squeeze a puncture wound
  - Report the incident and begin documentation
  - Call post exposure treatment facility to determine if testing is necessary

IC PROTOCOLS

- Spore-testing of sterilizers
  - How often?
  - Is in-office testing acceptable?
  - What type of records are required?
  - What is the protocol for a failed test?

IC PROTOCOLS

- Hand Hygiene
  - Are antimicrobial soaps required?
  - Is hand sanitizer acceptable?
    - What level of alcohol is appropriate?

IC PROTOCOLS

- Dental Unit Water Quality
  - What is required and why?
  - Can’t I just purge the lines at the beginning of the day?
  - Can bleach be used to disinfect the water lines?
  - What is a “shock treatment” and why is it recommended?

MARY GOVONI
CDA, RDA, RDH, MBA

517-214-8223
866-628-4149
mary@marygovoni.com
www.marygovoni.com
www.facebook.com/marygovoniandassociates
MaryGovoni

@MaryGovoni