



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES

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**2012 West Virginia Healthcare Associated Infection
(HAI) Plan Executive Summary**

Accomplished HAI Activities in 2011

State infrastructure planning for HAI surveillance, prevention and control

- Currently, there are more than 30 members in the HAI Advisory Group and Thein Shwe, the HAI coordinator, coordinates the state HAI advisory group; and revises and maintains the state HAI prevention plan.
- The 2010 status report for the HAI plan was updated and posted on www.dide.wv.gov. An Executive Summary of 2011 HAI plan was shared with the CEOs of all acute care hospitals and posted on www.dide.wv.gov.
- A written agreement was developed defining roles and responsibilities and interagency communication during investigations of healthcare associated outbreaks and infection control breaches. The interagency agreement is posted on www.dide.wv.gov.

Surveillance, detection, reporting, and response

- In October 2011, the WVDHHR-BPH sponsored Association for Professionals in Infection Control and Epidemiology, Inc. (APIC)'s Ambulatory Surgery Center (ASC) infection prevention training for healthcare workers based in WV, OH, KY and VA. Training participants received a one year membership to APIC and APIC's ASC manual. Furthermore, the HAI coordinator was able to facilitate state public health staff to have a month long hospital rotation to better understand in-patient HAI surveillance and detection.
- The West Virginia Health Care Authority's Infection Control Advisory Panel required reporting of central line associated blood stream infections (CLABSIs) from all intensive care units (ICUs); catheter associated urinary tract infections (CAUTIs) from all adult and pediatric ICUs and medical, surgical, adult mixed acuity units in acute care and critical access hospitals that do not have an ICU; and surgical site infections (SSIs) from abdominal hysterectomy and colon surgery to NHSN.
- In 2012, the West Virginia Health Care Authority published the HAI annual report including data on healthcare personnel seasonal influenza vaccinations and CLABSIs among patients in medical, surgical, and medical/surgical intensive care units (ICUs). This report summarizes the data submitted by 36 West Virginia hospitals and 42 ICUs in 2010 and it

marks the first public release of West Virginia hospital-specific CLABSI data. This report is posted at http://www.hcawv.org/Infect/HAIReport_2012v2.pdf.

- DIDE also conducted a survey of infection preventionists from acute care facilities on carbapenem-resistant *enterobacteriaceae* (CRE) and the findings were presented to the HAI Advisory Group, APIC-WV members and CDC. DIDE investigated several MDROs and healthcare associated outbreaks and published a report of “Carbapenem-resistant *Klebsiella pneumoniae* associated with a long-term care facility, West Virginia, 2009-2011” in MMWR: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6041a2.htm?s_cid=mm6041a2_w.

State planning for HAI prevention activities

- A list of hospitals that committed to implement CLABSI prevention according to SHEA/IDSA guidelines has been posted on www.dide.wv.gov along with SHEA/IDSA CLABSI prevention guidelines. CLABSI prevention toolkits, information sheets, check lists, and other supporting tools for hospitals to use in CLABSI reduction and elimination are posted at www.dide.wv.gov.
- A long-term care workgroup discussed joint basic infection prevention training among staff who work on infection control and prevention in long-term care facilities, acute care facilities, local, regional and state health departments. Currently DIDE staff are developing a standardized curriculum for the training that will be conducted statewide in 2012.
- Several trainings on HAIs such as hand hygiene, isolation precautions, multidrug resistant organisms (MDROs) prevention and control were provided to local health department employees during 2011.
- DIDE purchased and distributed APIC’s Infection Prevention Manuals for Long-Term Care Facilities, Infection Prevention Manuals for Ambulatory Surgery Centers, Guide to the Elimination of MRSA in Long-term Care books, and Guide to the Elimination of *Clostridium difficile* in healthcare settings to long-term care facilities and ASC settings in West Virginia.

State HAI communication and evaluation planning

- A HAI needs assessment survey was conducted and hospital infection preventionists requested training for CAUTIs and SSIs surveillance. The WV APIC chapter provided NHSN training at their annual meeting. Lessons learned from outbreak investigation are also incorporated into the needs assessment; hence plans for regional training of acute and long term care facilities regarding MDROs during 2012.
- DIDE regularly participates in APIC-WV quarterly and statewide meetings to update APIC members on state HAI activities. Communication to advisory group members occurs through

the regular meetings, and communication to hospitals also takes place with the assistance and support of the hospital association.

- Seven HAI Advisory Group members serve as the Department of Health and Human Services (DHHS)'s Region 3 HAI Advisory Group that includes State of Maryland, Delaware, Virginia, Pennsylvania, West Virginia and Washington D. C..

Planning HAI activities for 2012

- Revisions have been made to the reportable disease rule to include healthcare associated outbreaks in the list of reportable conditions. Revisions will be released for public comment during 2012. The Advisory Group was consulted about proposed revisions during the 1st quarter HAI Advisory Group meeting in 2012.
- DIDE staff are currently developing a standardized curriculum for basic infection prevention and MDROs and *Clostridium difficile* 101 training. Both didactic presentations and small group exercises will be used. At least 8 regional trainings in 8 Surveillance regions will be provided throughout the state jointly with acute care facilities, long-term care facilities, local, regional and state health department. Trainings will be conducted from May to October throughout the state.
- A MDRO educational poster for healthcare providers has been developed and will be distributed to all acute care and long-term care facilities.
- A Council of State and Territorial Epidemiologists (CSTE) HAI fellow position has requested for 2012 and it was awarded and the fellow shall start her training in August, 2012.
- Plans for laboratory infrastructure for HAI outbreak investigations will be established with input from the HAI advisory group. OLS is acquiring equipment for MDRO molecular typing to assist in MDRO outbreak investigation. OLS also requested funding for equipment to conduct antimicrobial susceptibility testing for MDRO.
- West Virginia hospitals have started reporting CLABSIs since July 1, 2009 and CAUTIs and SSIs from abdominal hysterectomy and colon surgery to NHSN since January 1, 2012.