

Welcome to the first Hands-On NHSN Training, provided to you by the MDCH SHARP Unit

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Surveillance & Infectious Disease Epidemiology Section

Surveillance for Healthcare-Associated and Resistant Pathogens (SHARP) Unit



MDCH SHARP Unit



SHARP Unit History

- Feb 2009: Created new unit
 - Surveillance for Healthcare-Associated and Resistant Pathogens (SHARP) Unit
- June 2009: Applied for funding under American Recovery and Reinvestment Act (ARRA)
 - Funded September 2009 to December 2011



SHARP Goals

- To increase surveillance of HAIs and emerging antimicrobial resistant organisms that are of public health significance
- To increase focus on healthcare-associated infections and to work with partner agencies to reduce their occurrence
- To educate healthcare providers and consumers about HAIs and MDROs, and the importance of appropriate use of antibiotics



MDCH Initiatives under ARRA

- Infrastructure Development
 - Unit staffing
 - HAI Prevention Advisory Group
 - HAI Surveillance and Prevention Plan
- Surveillance Initiative
- Prevention Collaborative



Staff and Roles

- Hired/retained staff
- Assigned areas of responsibility:
 - Michigan HAI Prevention Coordinator
 - Hospital Liaison
 - IC Nurse Consultant
 - CSTE Fellow
 - Medical Epidemiologist
 - Administrative/Accounting Support



HAI Prevention Advisory Group

■ Consists of representation from:

- Michigan Health & Hospital Association Keystone Center for Patient Safety and Quality (MHA Keystone)
- MPRO — Michigan's Quality Improvement Organization
- Michigan Society for Infection Prevention & Control (MSIPC)
- Association for Professionals in Infection Control and Epidemiology, Greater Detroit Chapter (APIC-GD)
- Michigan Infectious Disease Society (MIDS)
- Michigan State Medical Society (MSMS)
- Michigan Association for Local Public Health (MALPH)
- South Central Association for Clinical Microbiology (SCACM)
- Michigan Antibiotic Resistance Reduction Coalition (MARR)
- Consumer Advocate
- MDCH — Bureaus of Laboratories and Epidemiology



Michigan's HAI Surveillance and Prevention Plan

- Collaborative effort with HAI Advisory Group
- Submitted December 2009 to U.S. Department of Health & Human Services (HHS)
- Available at www.michigan.gov/hai



Surveillance Initiative

- Initial focus: MRSA & *Clostridium difficile*
 - NHSN MDRO/CDAD Module, LabID Event Option
 - Minimum of 3 consecutive months
 - A unit of hospital's choosing
 - If participating with MPRO's MRSA Project, we request that they choose a different location
 - We will take any NHSN data a hospital is willing to share
- Goals
 - 30 acute care facilities by October 2010; 50 by October 2011
- Current participation
 - 23 signed Data Use Agreements
 - 16 hospitals have conferred rights
 - MRSA: 10 Infection Surveillance, 9 LabID
 - *C. dif*: 5 Infection Surveillance, 8 LabID
 - CLABSI & VAP: 12 each
 - CAUTI: 4
 - SSI: 9
 - PPP: 2



Use of Data Collected

- Data will be de-identified and aggregated
 - Assurances of hospital confidentiality through MDCH-hospital data use agreement
- Data will be summarized to show trends in antimicrobial resistance, and occurrence of HAIs and new emerging pathogens
- Reports will be posted online at www.michigan.gov/hai and shared with healthcare partners and the public
- Pilot-ready data validation plan (MDRO/CDAD)



Benefits of Hospital Participation

- Compliance with Joint Commission requirements & standards (NPSG.07.03.01) and familiarity with NHSN to receive increased CMS IPPS reimbursement
- Provides each facility the means to measure the impact of their HAI initiatives
- Allows comparison to Michigan and National rates
- Personal satisfaction with contributing to Michigan database
- Technical support for data entry and interpretation
- Support for NHSN training & data validation
- Professional development fund



Prevention Collaborative

- GOAL: To implement evidence-based infection control measures for purpose of reducing infection rates in hospitals.
- Continuing to partner with existing prevention collaboratives
 - MHA Keystone: HAI CAUTI Initiative
 - MPRO: MDRO/MRSA Initiative



Proposed Prevention Initiative

- *Clostridium difficile* Infection (CDI)
- Acute care and long term care settings
- Based on CDC's CDI Toolkit
 - Available at http://www.cdc.gov/hai/pdfs/toolkits/CDItoolkit_white_clearance_edits.pdf
- Dependent on funding



Housekeeping



Plan for day

- Series of lectures
- Opportunity to test our knowledge with hands-on data entry
- Depending on amount of data, opportunity for analysis practice
- New users in room are asked to pair up with others



Evaluations

- PLEASE fill these out and turn them in before the day ends
- We need your help to identify training needs



THANK YOU!

