

# Public Health and Community Partnerships to Reduce Healthcare- Associated Infections

Gail Denkins, RN BS  
MRSA/CDI Prevention Initiative Coordinator



## In the beginning...

- Surveillance for Healthcare Associated & Resistant Pathogens (SHARP) in MDCH
- Developed an Action Plan to Prevent Healthcare Associated Infections
- Federal dollars allocated to MI to reduce and eventually eliminate MRSA and CDI rates
- Prevention Coordinator hired in July 2011

## Developing the public health model for Michigan

- Needed to address the continuum of care within healthcare facilities in communities
- Collaborative subcommittee recruited
- MPRO, MHA Keystone, MALPH represented
- Collaborative assisted in the design and structure of the Prevention Initiative
- Goal was to select 12 acute care hospitals and 12 skilled nursing facilities to participate in the prevention initiative
- Provide education and support for best practices
- Include agencies within 8 regions of our state

## The Plan

- Purchase scholarships from Michigan Society of Infection Prevention Control (MSIPC) to provide education
- Invite all acute care and long term care facilities to apply to the initiative
- Regional selection criteria was established by the Collaborative

## Requirements to participate

- 1 person identified as the “Champion”
- 2-4 staff from agency must attend kick off
- Must provide a written action plan
- Implement key elements/processes to measure the impact of changes
- Work with regional partners, including local public health that share patient care
- Conduct self assessments

## The Kick Off Conference

- Held on April 20, 2012 in Lansing
- Topics covered by leaders and nationally recognized infection preventionists
- Regional round table discussions
- Established an action plan to reduce MRSA/CDI rates

## The Data Plan

- MRSA and CDI rates will be collected on the National Healthcare Safety Network (NHSN) electronically
- Skilled nursing facilities will use a faxed form
- 6 months of baseline data
- 18 month of follow up data
- All lab ID data will be collected monthly

## Spring/Summer 2012

- MRSA/CDI Epidemiologist and Prevention Initiative Coordinator will commence regional site visits
- Review over 100 returned needs assessments on MRSA practices, CDI practices, and general infection prevention efforts
- Prepare webinars, conference calls, and website access for education

## The future...

- Promote and encourage regional acute care, skilled nursing homes, local public health and regional Epidemiologists cooperation
- Provide consultation and assistance to promote community consumer education
- Engage the local health department and healthcare agencies to practice and study ways to improve patient prevention of HAI's

## Words of Wisdom

- Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has.

Margaret Mead

## Thank You!

- Gail Denkins, RN BS
- MRSA CDI Prevention Coordinator
- MDCH/SHARP UNIT
- [denkinsg@michigan.gov](mailto:denkinsg@michigan.gov)
- (517) 241-3638
- [www.michigan.gov/hai](http://www.michigan.gov/hai)



## HAI and LHDs: What can we do?

*Dr. Donald W. Lawrenchuk, M.D., M.P.H.  
Medical Director*

Livingston County Department of Public Health

Protect, Preserve & Promote ...



... the Health & Safety of People

Personal & Preventative Health Services Division ~ Environmental Health Division  
East Complex, 2300 E. Grand River, Suite 102, Howell, Michigan 48843-7580 Phone: 517.546.9850 Fax: 571.546.6995

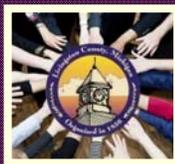


## Healthcare Associated Infections (HAIs)

### The Problem:

- HAIs are among the leading causes of **death & disability** in the United States
- At any given time, about 1 in every 20 inpatients has an infection **related to their hospital care**.
- Hospital-acquired HAIs alone are responsible for **\$28-33 billion** in preventable healthcare expenditures annually.
- HAIs are mostly **preventable**.

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## HAI Reporting in the U.S.

### 2 Models:

1

Most states mandate that HAIs be reported to state and local health departments (LHDs)



2

A few states, including Michigan, encourage voluntary HAI reporting, but currently don't mandate it. Some hospitals & healthcare systems provide aggregate data to the state with all identifiers removed.

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## NACCHO

- National Association of City and County Health Officials
- Provided a time-limited (Jan-May 2012) grant to 2 LHDs in the US



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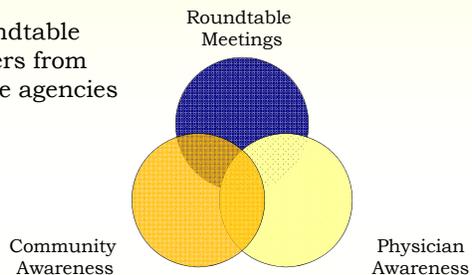
– DuPage County, Illinois

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## Livingston County's Grant Goals

1. Coordinate roundtable meetings with leaders from community health care agencies
2. Increase physician awareness of HAIs
3. Increase community awareness of HAIs



*Our LHD hopes to connect the different components of our local medical community to one another to increase HAI awareness and foster effective HAI prevention strategies.*

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## GOAL 1: Roundtable Meetings

**Who?**

Community leaders from the hospital, LTCFs, jails, substance abuse treatment facility, EMS, as well as concerned local citizens

**Where?**

Livingston County Department of Public Health

**When?**

Quarterly

**Why?**

To discuss prevention techniques, current research, barriers, training opportunities, state & national efforts, collaborative strategies specific to our community



## GOAL 2: Physician Awareness

**Who?**

All physicians in Livingston county

**Where?**

Either via electronic newsletter format or in person

**When?**

During grant period, and then periodically via Communicable Disease newsletter

**Why?**

To provide ongoing support and education re: HAI prevention, MDCH trainings, current research, resources for staff and patients, good antibiotic stewardship, clarification of best practice reporting recommendations



## GOAL 3: Community Awareness

*The focus of this portion of the grant is being directed into launching a local Handwashing Campaign.*

**Who?**

Every person in Livingston county

**Where?**

Livingston County Department of Public Health main lobby display, newspaper & radio press releases, and possibly in admission packets at physician offices/ LTCFs/hospitals via the “MI Hands Are Clean Coalition” effort in development.



**When?**

Initially during grant period, then ongoing

**Why?**

To empower and educate healthcare consumers to advocate for themselves and for their loved ones. To increase awareness about HAI prevention, transmission, and complications.



## Our Hopes For The Future

*Once the grant period has ended, LCDPH hopes to:*

- Incorporate the HAI roundtable discussions into the existing CD Forum meetings (quarterly)
  - Identify ongoing barriers, needs, & resources/educational opportunities
- Serve as mentors to other LHDs in the future, through NACCHO’s possible expansion of this project nation wide
- Provide expanded education regarding antimicrobial stewardship to both physicians and consumers
- Expand the Handwashing Campaign using several concerned citizens, who have experienced a HAI first-hand, as spokespersons for printed materials

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## HAI Demonstration Project Special Recognition

- **Centers for Disease Control and Prevention (CDC)**
- **National Association of City and County Health Officials (NACCHO)**
- **Michigan Department of Community Health (MDCH)**
  - **SHARP\* Unit** (Jennie Finks & Staff)
  - **HAI Advisory Group**
  - **Region 1 Epidemiologist** (Tiffany Henderson)
- **Livingston County HAI Demonstration Project Team**

\* SHARP: *Surveillance of Healthcare Associated and Resistant Pathogens*

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