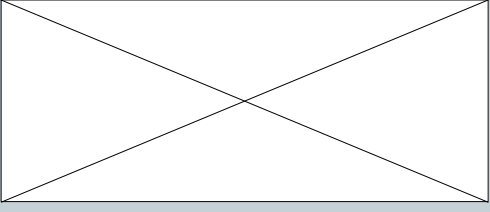


How Germs Spread

• <http://www.youtube.com/watch?v=4Ys-phgH9TY&feature=relmfu>



2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation: May 26, 2011

INFECTION CONTROL AND EMERGENCY PREPAREDNESS IN THE FAITH COMMUNITY: RESEARCH AND PRACTICE

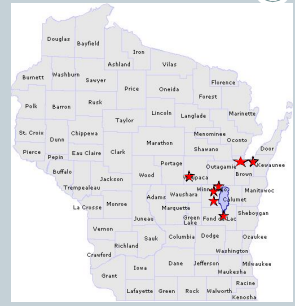
2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

How Did We Get Here?

Linda K. Behm, MSN, RN
Public Health Nurse Manager
Waupaca County Health Services Division

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Project partners:



- Agnesian Health Care, Fond du Lac
- City of Oshkosh Health Services Division
- DePere Health Department
- Fond Du Lac Health Department
- Menasha Health Department
- Trinity Lutheran Church, Menasha
- Waupaca County Health Services Division
- Winnebago County Health Department
- Wisconsin Division of Public Health, Northeast Regional Office
- University of Wisconsin, Green Bay

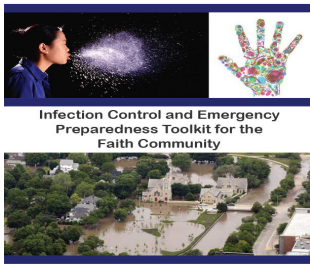
2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Purpose of the Project

- Mobilize the public health/faith-community partnership to reduce the spread of infection in populations
- Encourage the adoption of policies in the faith-community which will aid in the management of potential widespread health crises
- Provide tools for the faith-community to assist in the containment of serious threats to health

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

The Toolkit



Infection Control and Emergency Preparedness Toolkit for the Faith Community

Contact Information: Fond du Lac County Health Department Spring 2010

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Criteria for inclusion:

- Ease of use
 - Understandable
 - Easy to implement in daily operations
- Resources that can be downloaded for free
- Websites available for additional information, and updated materials
- New resources

2011 WPHA-WALHDAB Annual Conference:

Communicable Disease Fact Sheets

- Hand Washing Fact Sheet
- Key Facts About Seasonal Influenza (Flu)
- Key Facts About Avian Influenza (Bird Flu) and Avian Influenza A (H5N1) Virus
- How does Seasonal Flu Differ From Pandemic Flu?
- H1N1 Flu (Swine Flu) and You
- Norovirus Q&A
- Social Distancing
- The Flu Guide for Parents
- Guidance from Department of Health Services Re: Religious Practices during the H1N1 Outbreak



2011 WPHA-WALHDAB Annual Conference:

Communicable Disease Posters & Other Resources

- Cover Your Cough
- Alcohol Based Handrub/Hand washing Instructions
- Unusual Occurrences
- CDC Says "Take 3" Steps to Fight the Flu
- CD Includes a video on handwashing
- "No Ordinary Flu"
- Series of Bulletin Announcements
- Door Sign



2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Resources for Kids & School/Nurseries

- Henry the Hand-Principles of Hand Awareness
- Henry the Hand-Do you have any idea what germs could be on your hands?
- Henry the Hand-Hand Washing Guide
- Henry the Hand-Sees How Temperatures Affect the Germs!
- Henry the Hand-Coloring Book



2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Emergency & Pandemic Planning Resources

- Recommendations for Local Church Emergency Plan (template)
- Faith-Based & Community Organizations Pandemic Influenza Preparedness Checklist
- School District (K-12) Pandemic Influenza Planning Checklist
- Love is Action...Pandemic Preparedness: Reconnecting the Church and Community
- Faith-Based Organizations Pandemic Flu Planning Guide



2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Individual & Family Preparedness

- Ready ✓ Preparing Makes Sense-Get Ready Now
- Ready ✓ Preparing your Pets for Emergencies
- Ready ✓ Preparing Makes Sense for Older Americans
- Ready ✓ Preparing Makes Sense of People with Disabilities and Special Needs
- Ready ✓ Family Emergency Plan-In Excel format-complete for your family
- Home Emergency Kit



2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Timeline

2008	2009	2010	2011
<p>Fall 2008 - Parish/PHD volunteers recruited</p> <p>October 2008 - PHN at Volunteer Drivers' Meeting - no handshaking</p>	<p>1/09 First meeting for volunteers; toolkit materials gathered</p> <p>3/23/09 - Survey development started</p> <p>3/30/09 Academia invited</p> <p>4/22/09 - Canadian resources added</p> <p>7/09 NIH certifications completed</p> <p>6/11/09 CDs prepared; survey revised</p>	<p>9/12/2009 survey's completed in 30 minutes</p> <p>8/18/09 12th Annual PHN Conference presentation, Wisconsin</p> <p>7/22/09 IRB approval received</p> <p>5/18/10 IRB closed; significant results</p> <p>5/5/10 PH Communicable Dx Conference</p> <p>4/21/10 Toolkit online at CIDRAP</p>	<p>6/21/10 collaborative manuscript writing</p> <p>6/2-4/10 18th Annual Parish Nurse/Health Ministries conference</p> <p>8/17/10 13th Annual PHN Conference presentation</p> <p>3/9/11 Manuscript sent to JCCW</p> <p>11/1/10 Governor's Faithful Readiness Conference presentation</p> <p>5/26/11 WALHDAB presentation</p>

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Infection Control and Emergency Preparedness: A Research Project

Janet Reilly, DNP, APRN-BC
 Assistant Professor and Family Nurse Practitioner
 UW-Green Bay Professional Program in Nursing

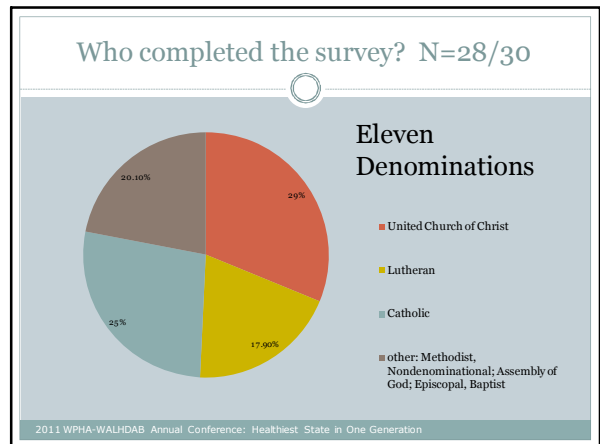


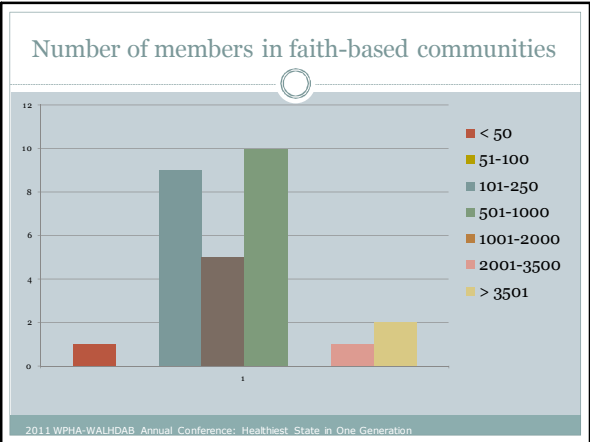
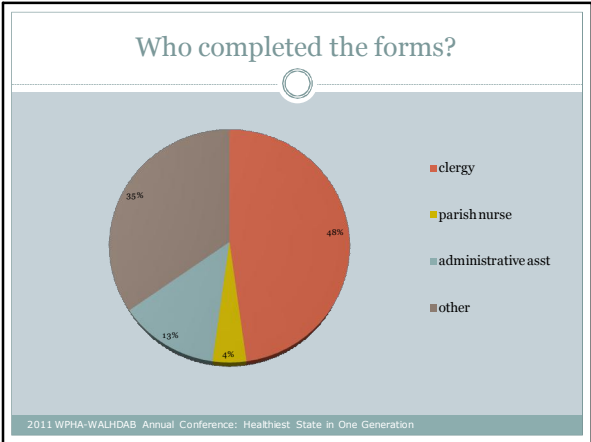

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

- ### Review of the Literature
- Prior to the existence of public health, hospitals and clinics, the church provided services to the community (ELCA Disaster Response, 2009).
 - During times of disaster, such as the historic Black plaque or after the terrorist attacks in 2001, individuals gravitate towards religion (Schuster, Stein, Jaycox, & Collins, 2001).
 - During Hurricane Katrina, faith-based communities were able to assist communities by being places to gather, use as area shelters and coordinate transportation and services (Elder, et al., 2007).
- 2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

- ### Review of the Literature (cont.)
- McCabe et al. (2008) found that faith-based communities provided effective collaborations with health care in their research that introduced a toolkit of psychological first aid materials to faith-based community representatives.
 - A study done by Allegranzi, Memish, Donaldson and Pittet (2009) found that within health care workers, religious faith-and culture can greatly influence hand hygiene behaviors.
- 2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

- ### IRB Research Questions:
1. To examine the knowledge and attitudes of faith-based communities in regards to infection control and emergency preparedness
 2. To assess the usefulness of and piloting the newly developed *Infection Control and Emergency Preparedness Toolkit for Faith Community*
- 2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation





BEFORE /AFTER receiving this toolkit, this faith-based community was prepared /is prepared for preventing the spread of infection by:

	before	after
Encouraging hand washing (ex. placing instructional signs in places such as bathrooms and where food is prepared or consumed)	20	24
Having hand sanitizer available	21	23
Encouraging cough etiquette (ex. placing instructional signs in common places)	9	23
Encouraging alternatives to handshaking	13	17
Suspending the use of the common cup	5	12 +1 maybe
Encouraging members to stay home when ill	12	22
Disinfecting nursery toys and surfaces	17	22
Teaching children about hand washing and cough etiquette	14	20
None of the above	0	0

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

BEFORE /AFTER receiving this toolkit, this faith-based community was prepared /is prepared for public health emergencies with the following information:

	before	after
Fact sheets on faith-community preparedness	3	18
Fact sheets on individual preparedness	1	20
Fact sheets on how to create home emergency kits	1	16
Verbal announcements about preparedness information	10	16
Information to post on your website	0	15
Formal presentation about preparedness to members	0	10
No information was planned for individual members about emergency preparedness	16	1
Do not believe this is the role of our organization	1	1

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

- ### Two ways to reduce the spread of disease?
- 20 = educate, make information available and increase awareness in church and parochial schools on church websites or in workshops, flyers, newsletters, bulletins, or at coffee hour
 - 7 = hand washing/ hygiene / no handshaking or alternate expressive greetings without touch
 - 4 = no common cup; encourage sick and staff members to stay home when sick
- 2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

- ### Two ways to prepare for a public health emergency?
- 16 = provide information to congregation, families, parish staff, and Parish council to increase awareness
 - 7 = put in place the emergency plan form the toolkit
 - 3 = identify those in need; prepare and distribute individual emergency kits (elderly, college kids, homes, etc.); recruit parish work group, committee, task force to work on this issue *
- *80% identified "not enough time to plan" as the reason or what would prevent them from using the toolkit*
- 2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Sample Question

- **BEFORE (AFTER) receiving this toolkit, this FBO used (will use) the following resources to obtain information about how to prevent the spread of disease and plan for a public health emergency:**

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Resources for information

	before	after
Center for Disease Control	6	22
State Public Health Department	7	22
Local Public Health Department	13	22
National, regional, state office of your organization	8	16
Scholarly articles	1	11
Other	7	6
We did not have resources to prepare for the spread of disease or a public health emergency	2	0

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Resources for the spread of disease/EP

- **Paired Samples t-Test**
There was a statistically significant difference between the mean number of sources individuals used before (M=1.62; SD 1.18) and planned to use after the toolkit was introduced (M=3.62; SD = 1.78).
 $t(26)=-6.63, p<.001$

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

What else did we learn?

- Almost every participant (N=27) reported it was important to have a plan in place to stop the spread of disease.
- All respondents (N=28) felt the toolkit had the potential to improve emergency preparedness.
- Toolkit evaluation (Lickert-type scale):
1= strongly disagree and 5= strongly agree
 - Easy to use: M= 4.7
 - Organized (colored tabs): M=4.7
 - Convenient: (info in one place) M= 4.66
 - Overwhelming: M=2.1
 - Missing information: M= 2.19
 - Confusing: M=1.48

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Comment themes – qualitative data

- 8 = great resources for faith-based communities
- 7 = well presented by the nurse
- 6 = gratitude for the information and the time saved to the parish in collecting/sharing the resources
- 5 = increased awareness of these issues

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Where to find the Toolkit Resources Online

Center for Infectious Disease Research and Policy (CIDRAP) at U of Minnesota:

<http://www.cidrappractices.com/practices/resource.do?resource-id=475&h1n1-id=23>

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Review of Literature References

- Allegranzi, B., Memish, Z. A., Donaldson, L., & Pittet, D. (2009). Religion and culture: Potential undercurrents influencing hand hygiene promotion in health care. *American Journal of Infection Control*, 37(1), 28-34.
- Elder, K., Xirasagar, S., Miller, N., Bowen, S. A., Glover, S., & Piper, C. (2007). African Americans' decisions not to evacuate New Orleans before Hurricane Katrina: A qualitative study. *American Journal of Public Health*, 97(S1), S124-S129.
- Evangelical Lutheran Church in America (ELCA) Disaster Response. Downloaded July 15, 2009 from: <http://www.elca.org/Our-Faith-In-Action/Responding-to-the-World/Disaster-Response/Ongoing-Responses/Pandemic-Flu/ELCA-Response.aspx>.
- McCabe, O. L., Mosley, A. M., Everly, G. S., Links, J. M., Lating, J. M., Teague, P. J., & Kaminsky, M. J. (2008). Psychological first aid training for the faith-community: A model curriculum. *International Journal of Emergency Mental Health*, 9(3), 181-92.
- Schuster, M. A., Stein, B. D., Jaycox, L., and Collins, R. L. (2001). A national survey of stress reactions after the September 11, 2001, terrorist attacks. *The New England Journal of Medicine*, 345(20), 1507-12.

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Workgroup Contact Information

Kay Mittelstadt-Lock, BS
Preparedness Director
Fond du Lac County Health Department
920-929-3311
kay.lock@fdlco.wi.gov

Tracy Mrochek, BA, BSN, RN
Public Health Nurse
Preparedness Coordinator
City of Oshkosh Health Services Division
920-236-5030
tmrochek@ci.oshkosh.wi.us

Janet Reilly, DNP, APRN-BC
Assistant Professor
University of Wisconsin-Green Bay
2420 Nicolet Drive
Green Bay, WI 54311
920-465-2365
reillyj@uwgb.edu

Susan Schmitz, RN
Parish Nurse/Program Coordinator
Agnesian Health Care, Fond du Lac
920-960-4912
schmitzsj@agnesian.com

Ellen Moore, BSN, RN
Public Health Nurse
De Pere Health Department
920-339-4054
emoore@ci.de-pere.org

Cheryl Laabs, BSN, RN
Public Health Nurse
Winnebago County Health Department
920-232-3000
claabs@co.winnebago.wi.us

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Workgroup Contact Information

Rebecca Howarter, MS, RNBC
Public Health Nurse Consultant
Division of Public Health
Green Bay/Northeastern Regional Office
920-448-5230
Rebecca.Howarter@wisconsin.gov

MaryJo Turner, BSN, RN
Public Health Nurse Coordinator
Winnebago County Health Department
920-232-9000
mturner@co.winnebago.wi.us

Susan Nett, RN, MPA
Public Health Director
Menasha Health Department
920-967-3520
snett@ci.menasha.wi.us

Mary Howden, BSN, RN
Parish Nurse
Trinity Lutheran Church, Menasha
920-722-2662 Ext. 414
mchowden@shcglobal.net

Linda K. Behm, MSN, RN
Public Health Nurse Manager
Waupaca County Health Services Division
715-258-6390
Linda.Behm@co.waupaca.wi.us

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation

Thank you!

RESPONSIBILITIES OF WISCONSIN BOARD OF HEALTH MEMBERS and DIRECTOR/HEALTH OFFICER EVALUATION:

www.dhs.wisconsin.gov/localhealth/.../Revised%20Responsibilities%20of%20Board%20Members%206-8-09.doc

2011 WPHA-WALHDAB Annual Conference: Healthiest State in One Generation