

# North Carolina Preparedness & Emergency Response Research Center (NCPERRC)

## Accreditation and Public Health Preparedness in North Carolina: Conclusions from the 2005 – 2008 NACCHO Surveys

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April 21, 2010

# Presenter Disclosures

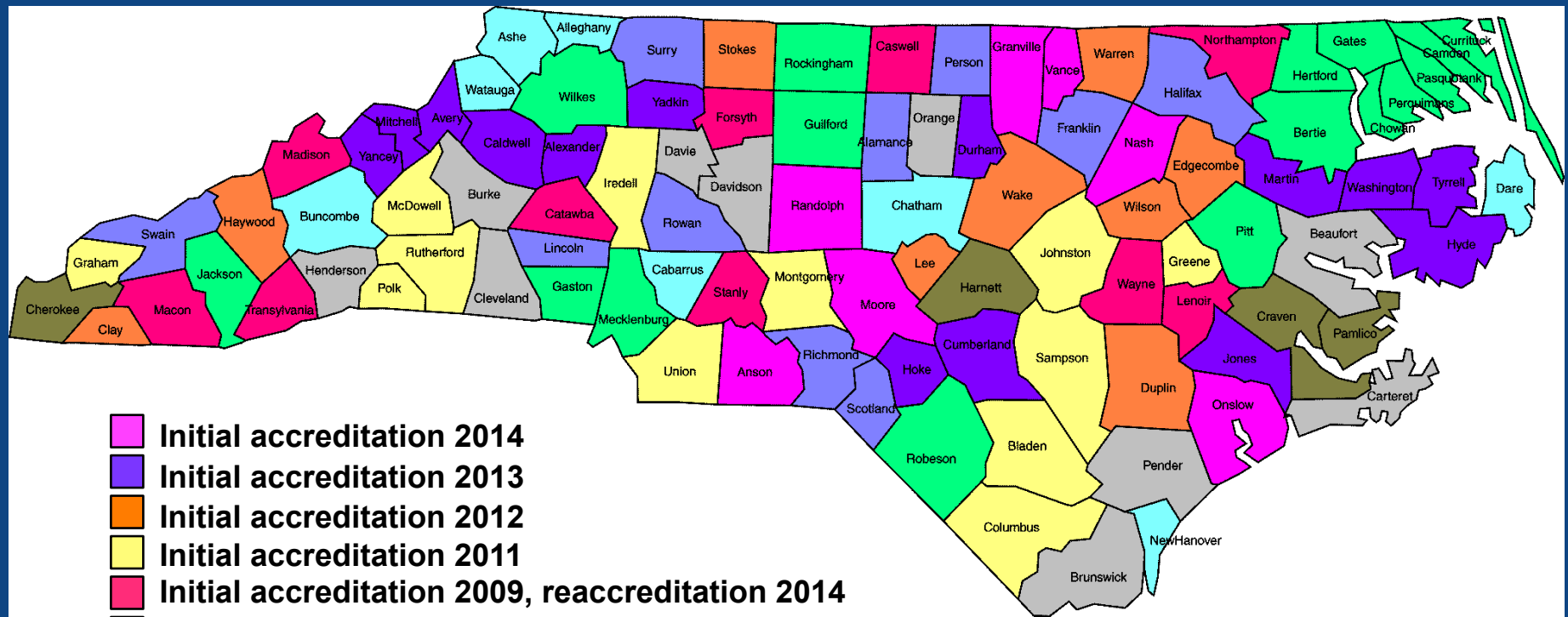
**John B. Wayne, PhD**

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

**No relationships to disclose**

April 21, 2010

# Accreditation in North Carolina



- Initial accreditation 2014
- Initial accreditation 2013
- Initial accreditation 2012
- Initial accreditation 2011
- Initial accreditation 2009, reaccreditation 2014
- Initial accreditation 2008, reaccreditation 2013
- Initial accreditation 2007, reaccreditation 2012
- Initial accreditation 2006, reaccreditation 2011
- Initial accreditation 2005, reaccreditation 2010
- Initial accreditation 2004, reaccreditation 2009

SOURCE: [http://nciph.sph.unc.edu/accred/about\\_nclhda/progress.htm](http://nciph.sph.unc.edu/accred/about_nclhda/progress.htm)

# Accreditation and Emergency Preparedness

## Local Health Department Self-Assessment Tool

Operational Definition of a Functional  
Local Health Department Capacity  
Assessment for Accreditation Preparation

The table is a self-assessment tool with multiple columns and rows. The columns include 'Criteria', 'Rating', and 'Comments'. The rows contain various criteria related to local health department capacity, such as 'Availability of the Health Department Director', 'Availability of the Health Department Assistant Director', and 'Availability of the Health Department Deputy Director'. Each row has a corresponding rating and a space for comments.



**NACCHO**  
The National Commission on Local Public Health



North Carolina  
LOCAL HEALTH DEPARTMENT ACCREDITATION

## Health Department Self-Assessment Instrument (HDSAI)

### Interpretation Document

## DRAFT COPY

This document has been released by the NCLHDA Board for distribution and use by local health departments and site visitors. It remains under review and accepting of comments. While receiving comments, the document will remain in Draft form.

Version 2.1  
Effective January 1, 2009

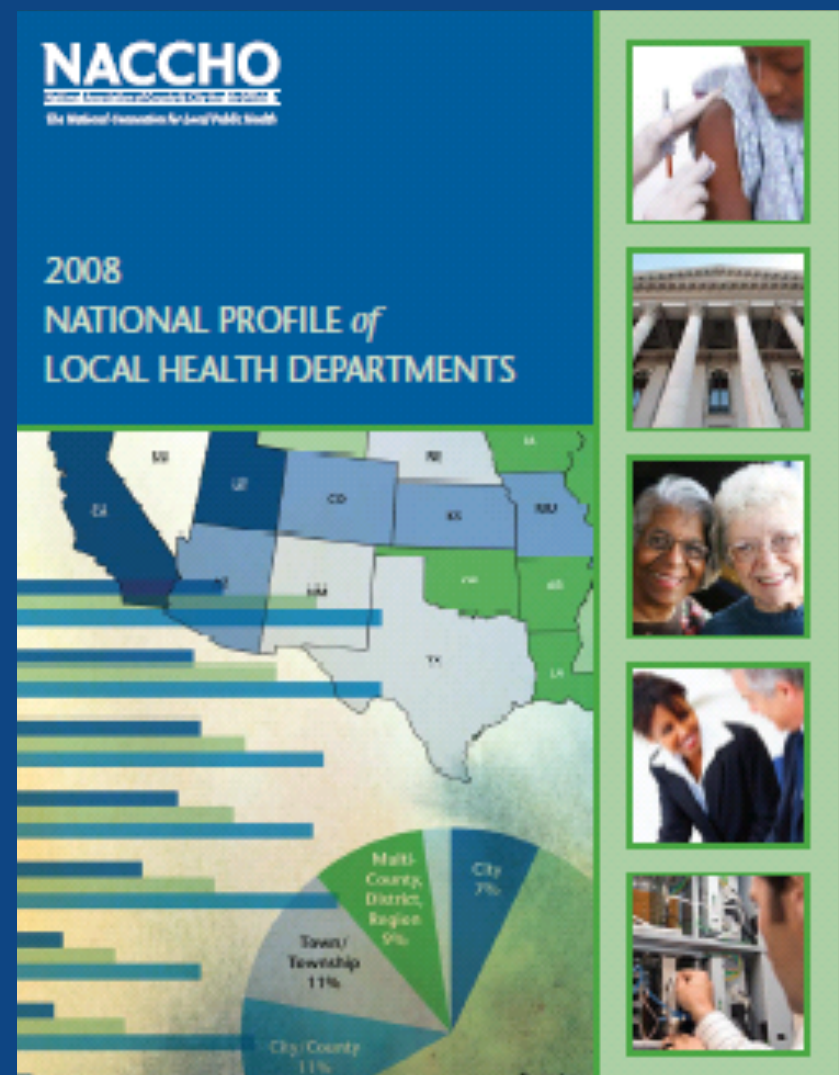
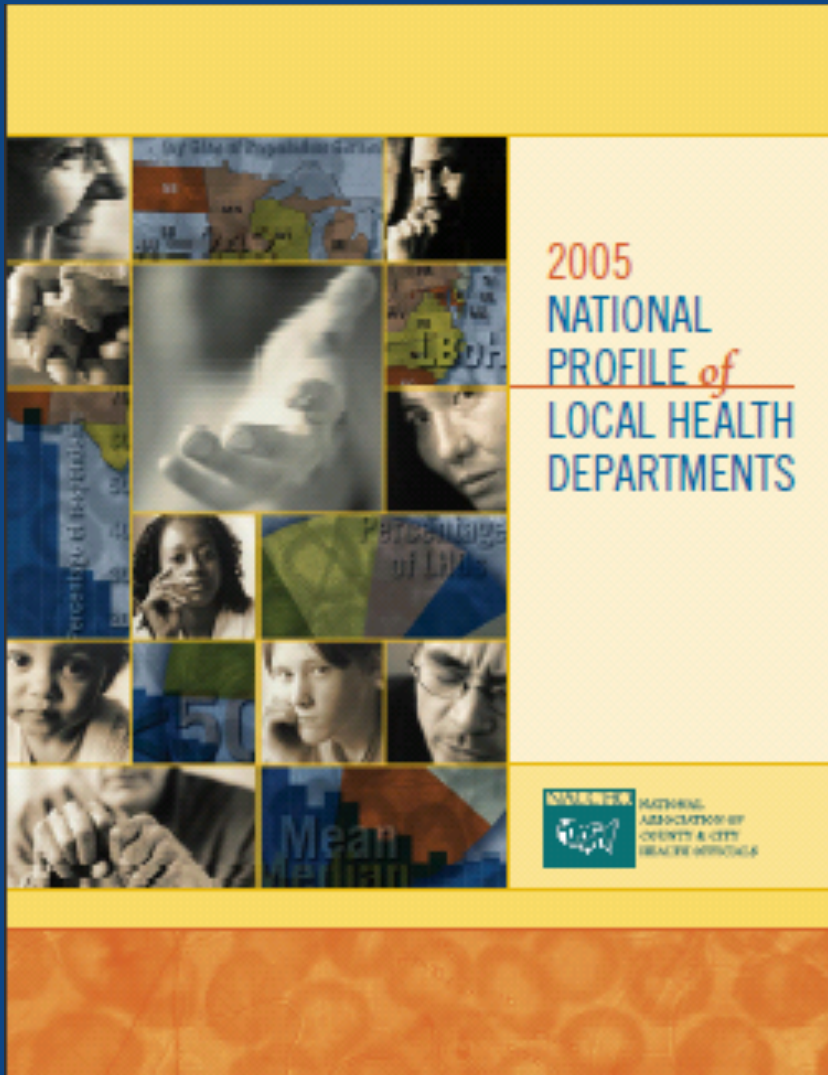
# Accreditation and Emergency Preparedness

- **BENCHMARK 4:** The local health department shall engage in surveillance activities and assess, investigate and analyze health problems, threats and hazards, maintaining and using epidemiological expertise.
- **BENCHMARK 5:** The local health department shall establish and maintain a system to receive and provide health alerts and public health response for health care providers, emergency responders, and communities on a 24-hour-a-day, 7-day-a-week basis.
- **BENCHMARK 6:** The local health department shall be able to respond to a public health emergency on a 24-hour-a-day, 7-day-a-week basis.

# Accreditation and Emergency Preparedness

- **Benchmark 7: The local health department shall maintain and implement epidemiological case investigation protocols providing for rapid detection and containment of communicable disease outbreaks; environmental health hazards; potential biological, chemical and radiological threats.**
- **Benchmark 8: The local health department shall provide or have access to laboratory capacity capable of providing for rapid detection and containment of communicable disease outbreaks; environmental health hazards; potential biological, chemical and radiological threats.**

# 2005 & 2008 NACCHO National Profiles of Local Health Departments

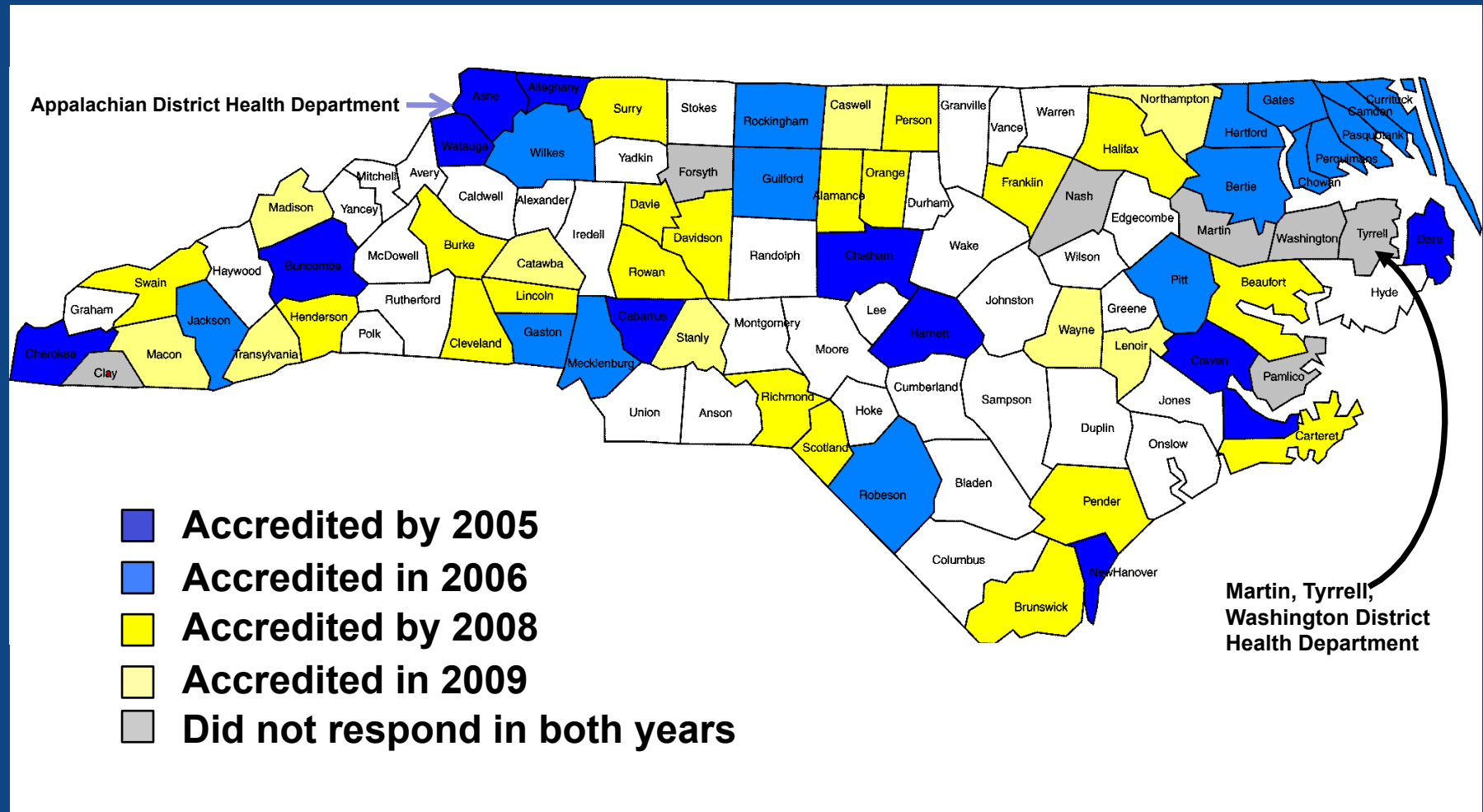


# 2005 and 2008 NACCHO Profile of Local Health Departments

- **Collaboration with CDC**
- **4<sup>th</sup> and 5<sup>th</sup> surveys in the Profile series**
- **Census design – includes all LHDs in U.S.**
- **Profiles conducted as Web-based surveys**
- **2005: 2,300 responses (82 from NC)**
- **2008: 2,332 responses (83 from NC)**
- **05 & 08 responses: 1907 (80 from NC)**

**SOURCE:** <http://www.naccho.org/topics/infrastructure/2005Profile.cfm> and  
[http://www.naccho.org/topics/infrastructure/profile/2008profilefigures/  
images/chartsimages/Titled\\_001-5.png](http://www.naccho.org/topics/infrastructure/profile/2008profilefigures/images/chartsimages/Titled_001-5.png)

# 2005 and 2008 NC Responses and Accreditation Status



# EP VARIABLES

**2005: Which of the following EP activities has your LHD conducted in the past year? (select all that apply)**

- **Developed or updated a written emergency plan**
- Reviewed relevant legal authorities
- Assessed emergency preparedness competencies of staff
- Provided emergency preparedness training to staff
- Participated in drills or exercises

**2008: Which of the following EP activities has your LHD conducted in the past year? (select all that apply)**

- **Developed or updated emergency plan based on AAR recommendations**
- Reviewed relevant legal authorities regarding quarantine
- Assessed emergency preparedness competencies of staff based on 9 core EP competencies
- Provided emergency preparedness training to staff on NIMS compliance
- Participated in any of the following drills or exercises: tabletop, functional, full-scale

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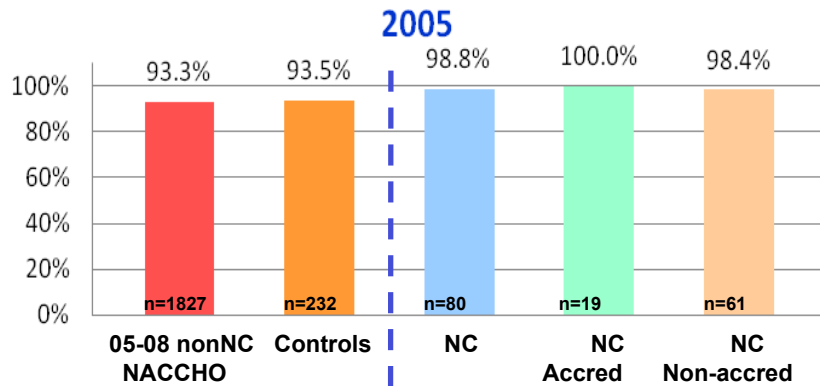
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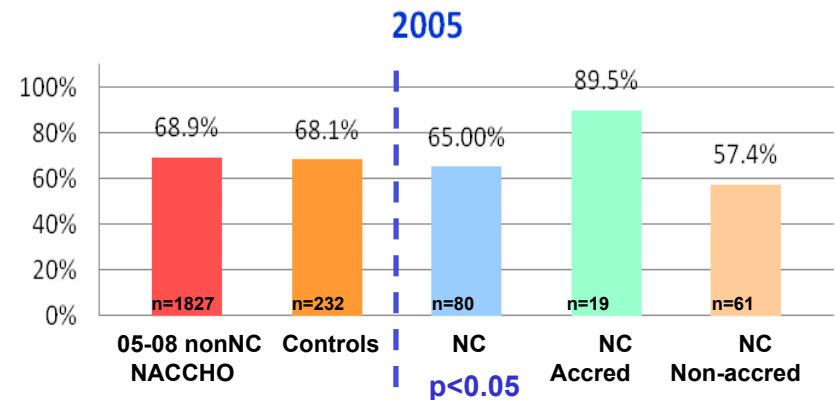
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# 2005 Cross-sectional Results

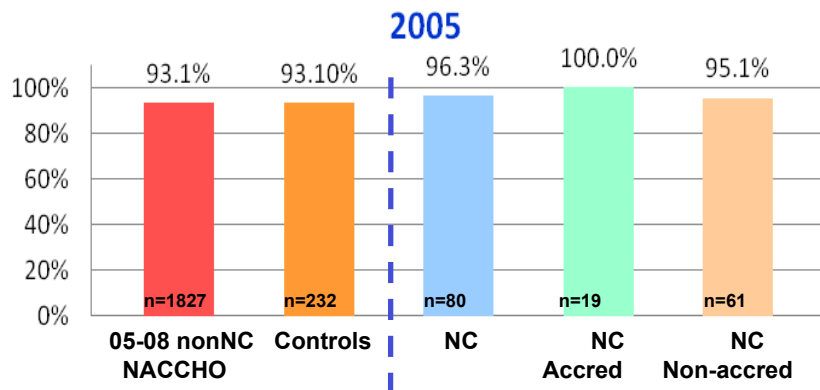
## Wrote/Updated Emergency Plan



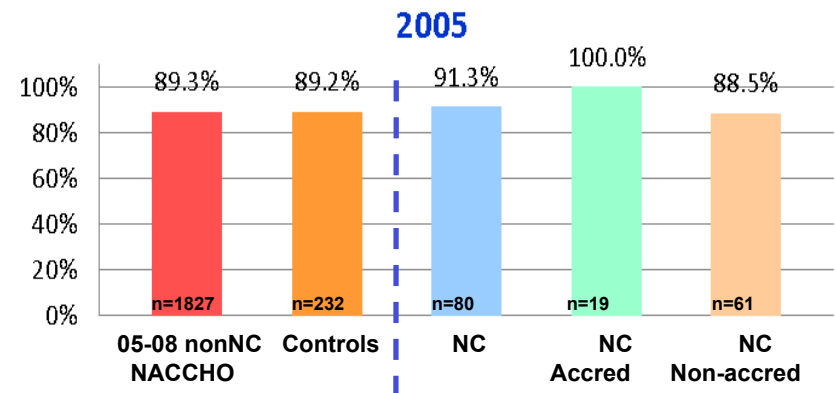
## Reviewed Legal Authorities



## Participated in Drills or Exercises

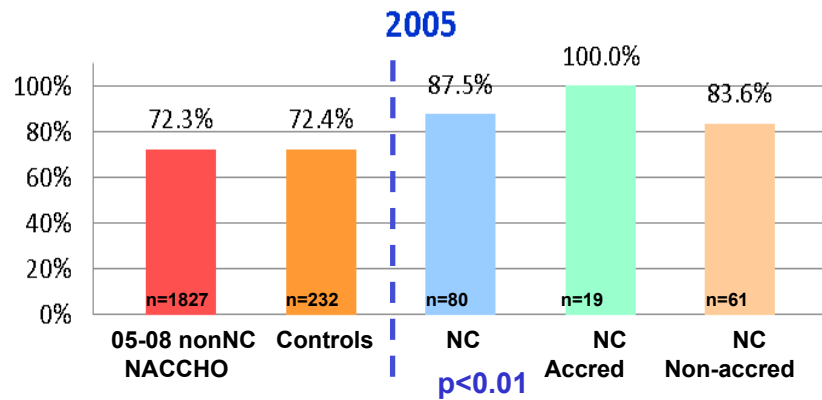


## Provided EP Training to Staff

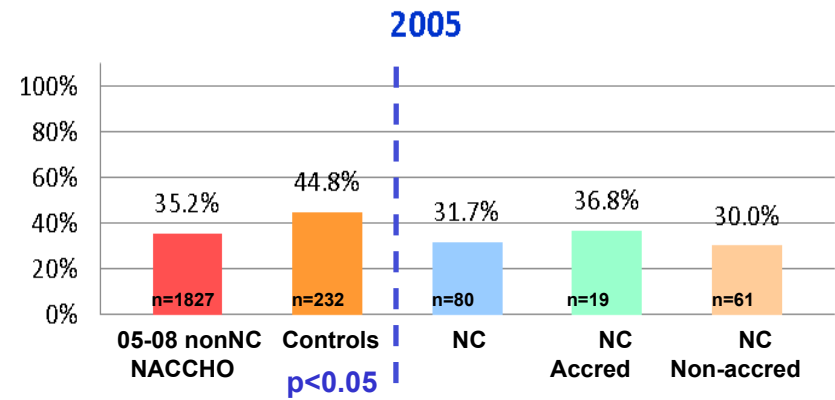


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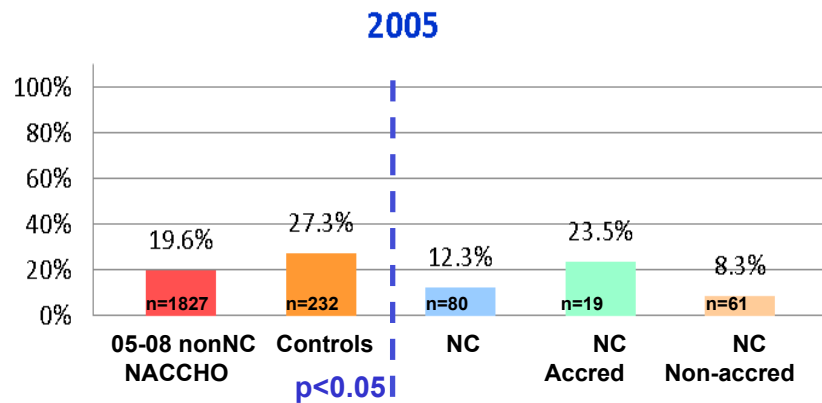
## Assessed EP Competencies of Staff



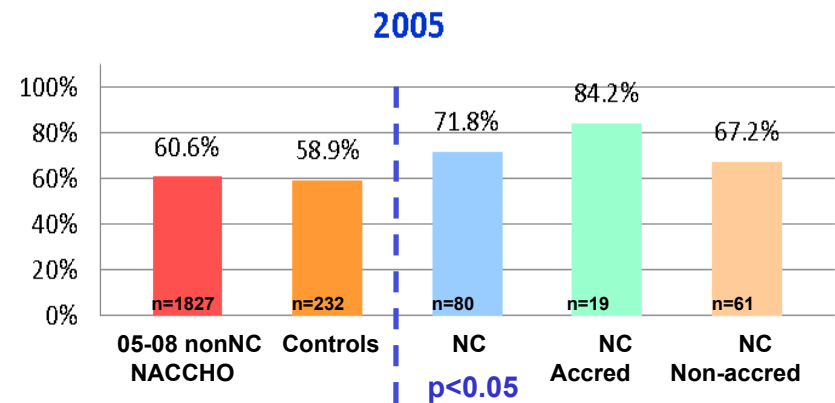
## Syndromic Surveillance by LHD



## Employ Public Info. Specialist

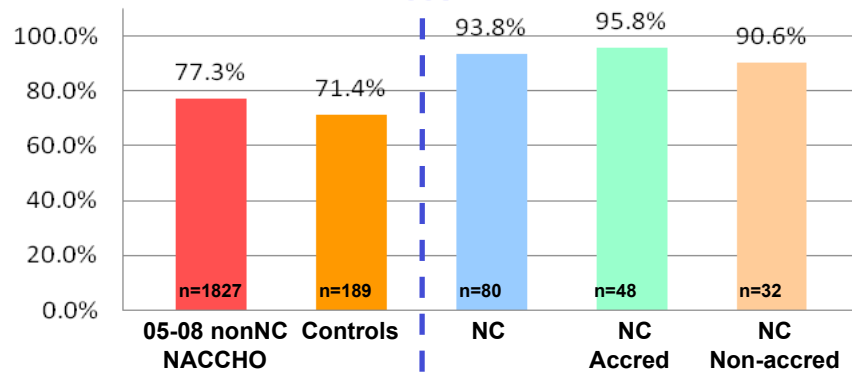


## Employ EP Coordinator

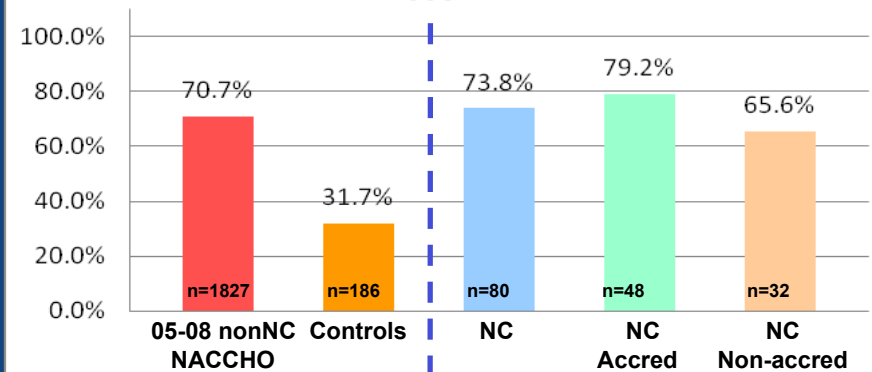


# 2008 Cross-sectional Results

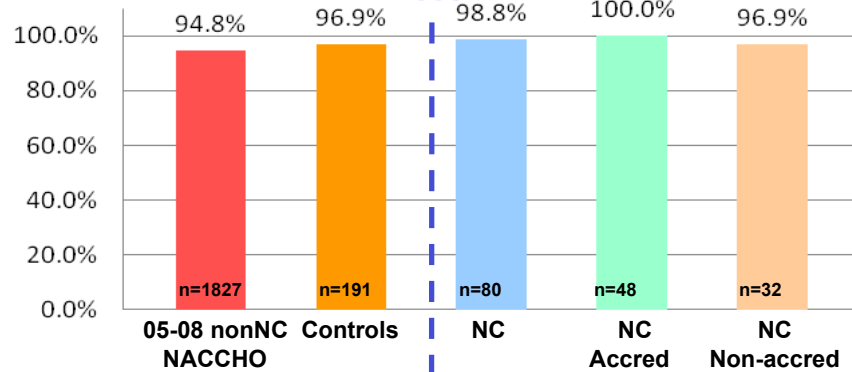
Updated Emergency Plan per AAR  
2008



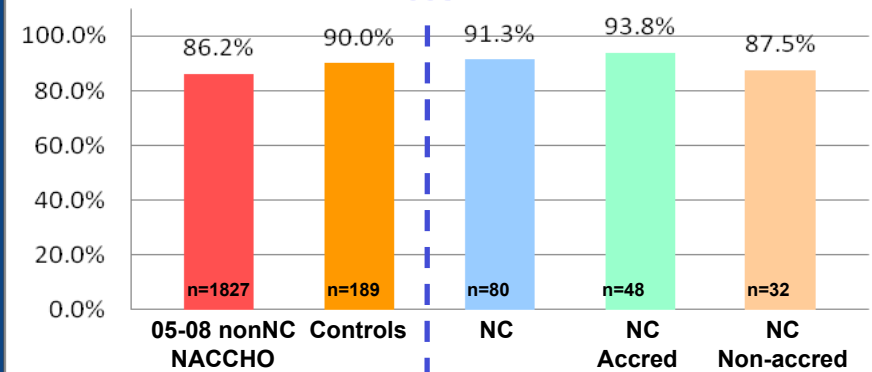
Reviewed Legal Authorities  
2008



Participated in Drills or Exercises  
2008

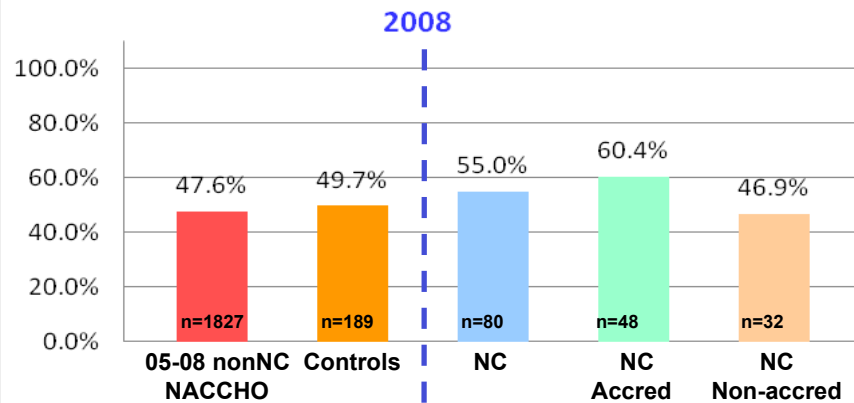


Provide EP Training to Staff  
2008

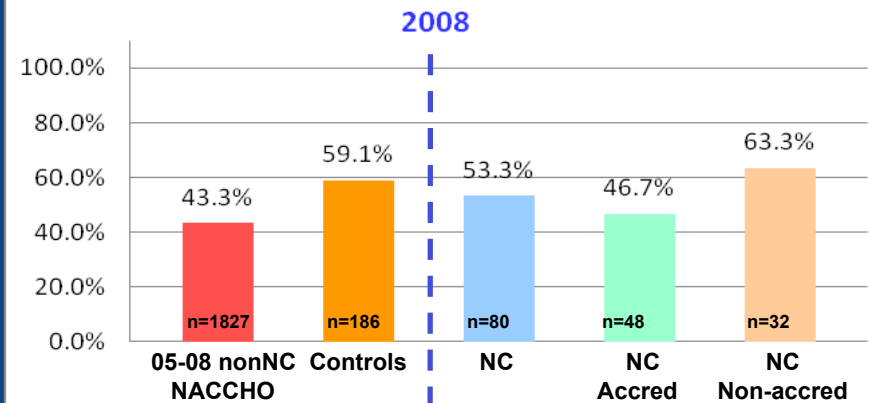


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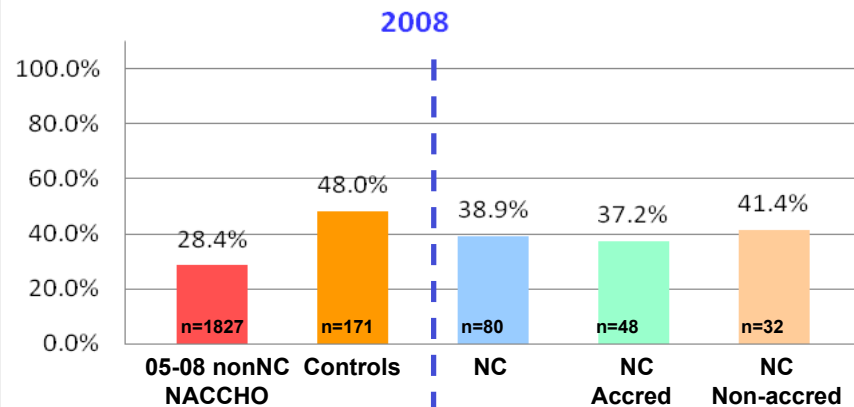
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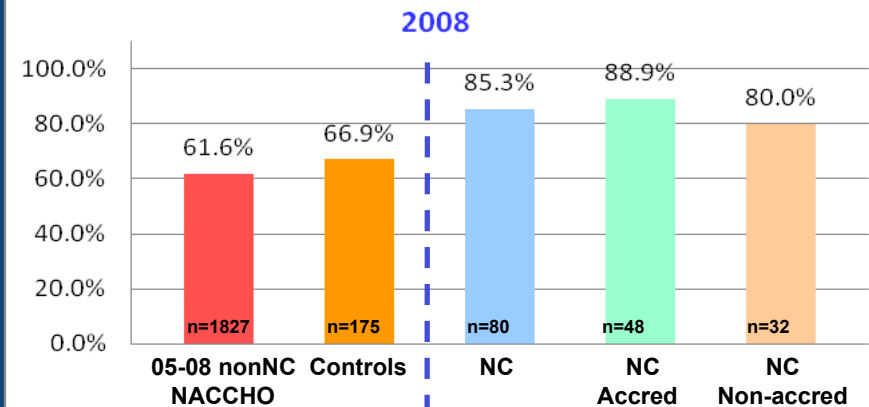
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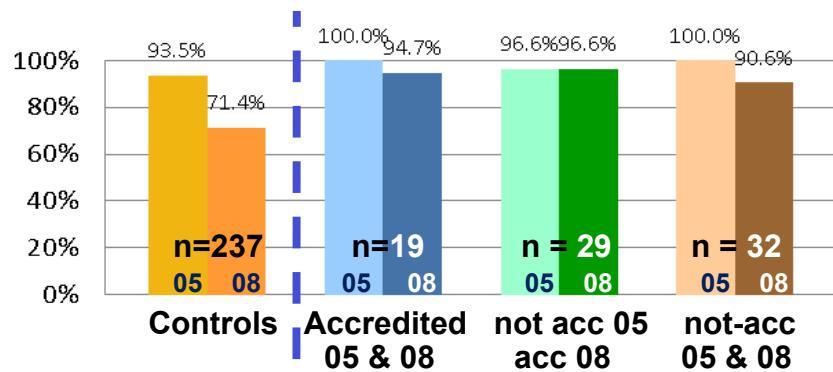
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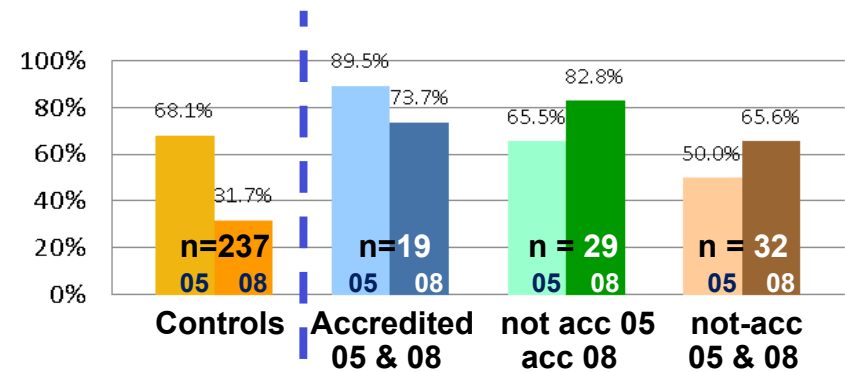
# Longitudinal results

## NC accredited vs non-accredited

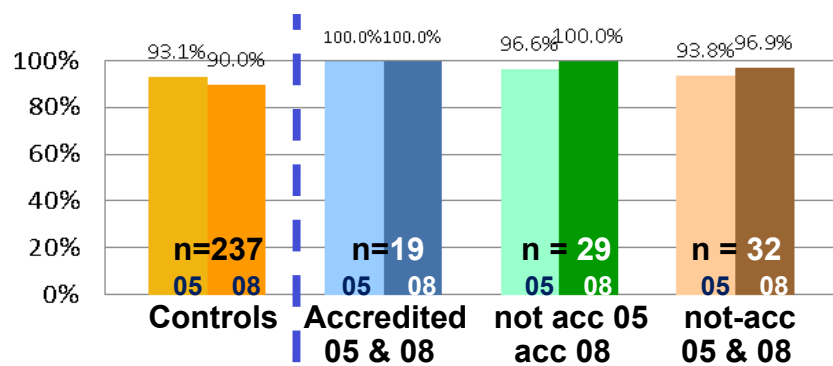
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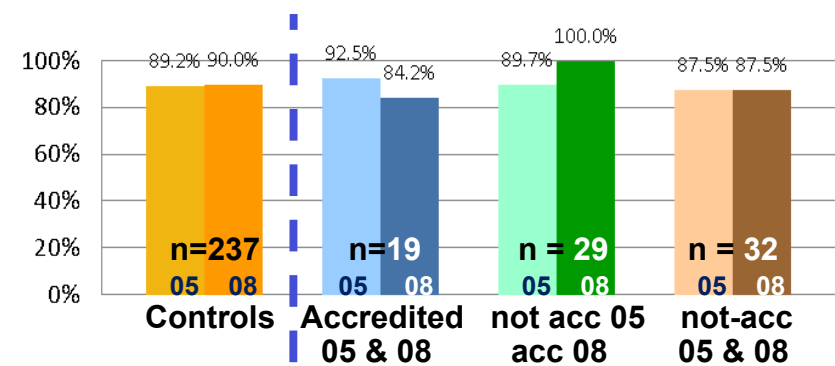
### Reviewed Legal Authorities



### Participated in drills or exercises



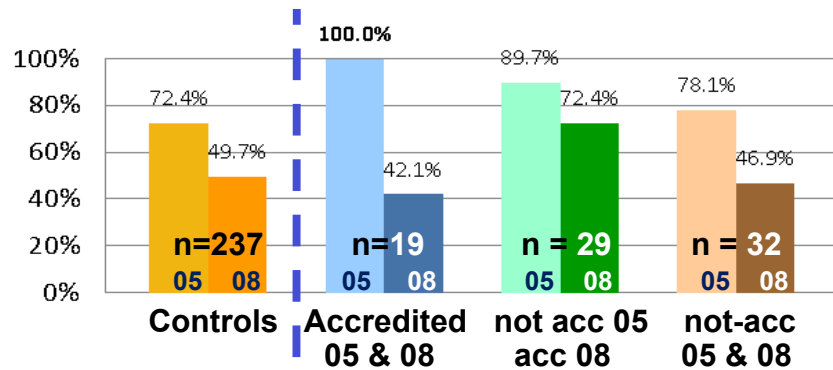
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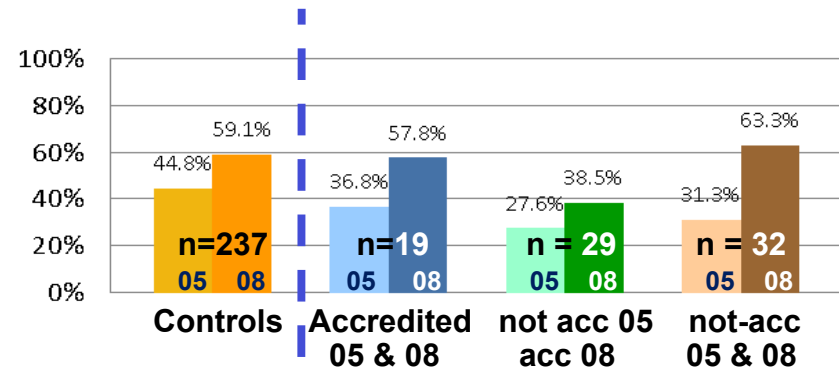
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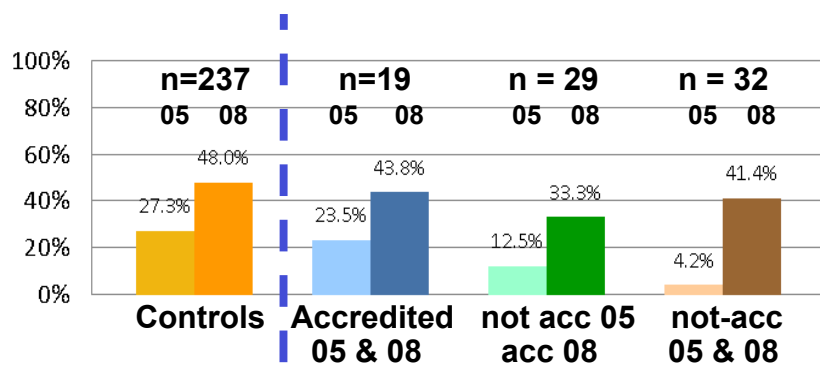
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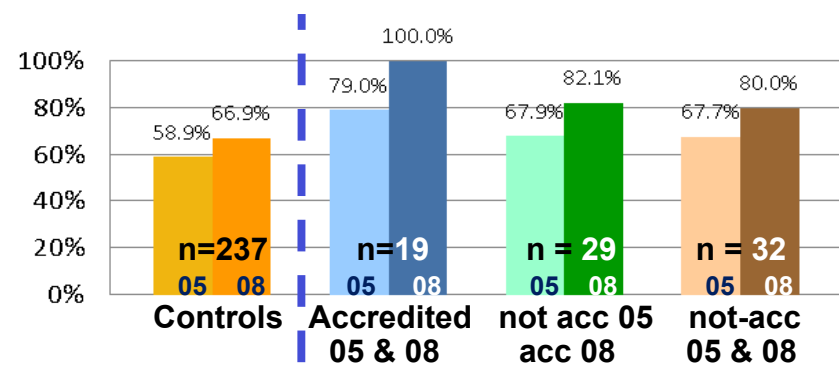
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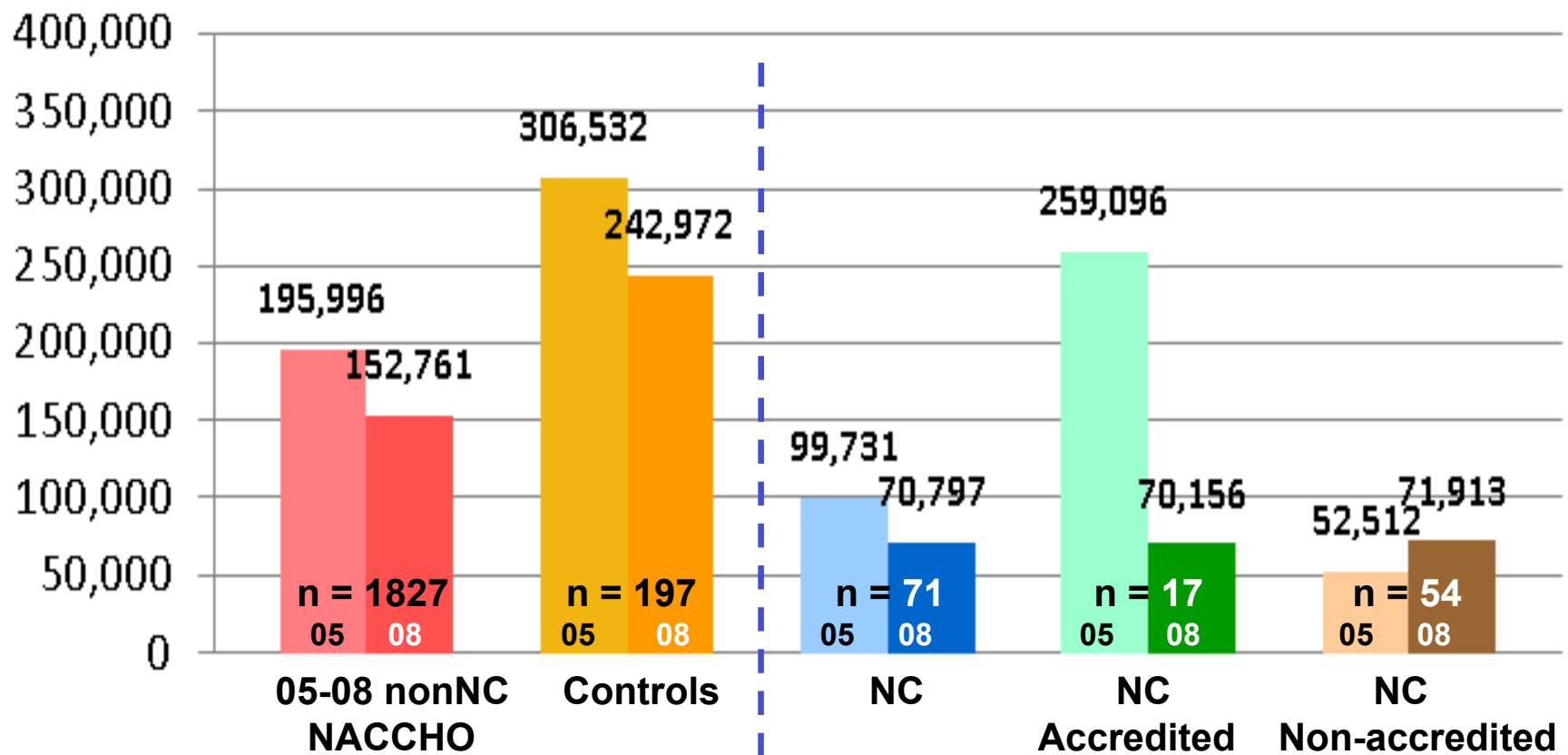
### Employ Public Info. Specialist



### Employ EP Coordinator



# CDC Bioterrorism funding (mean)



# Conclusions

- Overall the preparedness and response capabilities of communities served by accredited LHDs in North Carolina exceed those of non-accredited LHDs.
- Accreditation appears to have a positive impact on emergency preparedness activities (research is ongoing)
- The changes in the % of LHDs who performed EP activities between 2005 and 2008 are mixed
- LHUs seeking accreditation between 05 and 08 had positive changes in most of the EP activities

April 21, 2010

# Thank you!

## **NCPERRC**

**North Carolina Preparedness and  
Emergency Response Research Center**

For additional information:

**Web**            <http://nccphp.sph.unc.edu/ncperrc/>

**Email**          [NCPERRC@unc.edu](mailto:NCPERRC@unc.edu)

This research is a part of the North Carolina Preparedness and Emergency Response Research Center (NCPERRC) which is located at the University of North Carolina at Chapel Hill's Gillings School of Global Public Health and is supported by the Centers for Disease Control and Prevention (CDC) Grant 1PO1 TP 000296-01. The contents are solely the responsibility of the authors and do not necessarily represent the official views of CDC.

# Accreditation and Emergency Preparedness from the NACCHO Self Assessment tool

- **Essential Service I: Monitor health status and understand health issues facing the community**

STANDARD I-A: Obtain & maintain data that provide information on the community's health

- **Essential Service II: Protect people from health problems and health hazards (Surveillance)**

STANDARD II-A: Investigate health problems and environmental health hazards

STANDARD II-B: Prevent, minimize, and contain adverse health events and conditions resulting from communicable diseases; food, water, and vector-borne outbreaks; chronic diseases; environmental hazards; injuries; and health disparities.

STANDARD II-C: Coordinate with other governmental agencies that investigate and respond to health problems, health disparities, or environmental health hazards.

STANDARD II- D: Lead public health emergency planning, exercises, and response activities in the community in accordance with the National Incident Management System, and coordinate with other local, state and federal agencies.

# Accreditation and Emergency Preparedness from the NACCHO Self Assessment tool

- **Essential Service II: Protect people from health problems and health hazards**

STANDARD II-E Fully participate in planning, exercises, and response activities for other emergencies in the community that have PH implications, within the context of state and regional plans and in a manner consistent with the community's best public health interest.

STANDARD II- F Maintain access to laboratory and biostatistical expertise and capacity to help monitor community health status and diagnose and investigate public health problems and hazards.

STANDARD II- G Maintain policies and technology required for urgent communications and electronic data exchange.

STANDARD III-B Exchange information and data with individuals, community groups, other agencies, and the general public about physical, behavioral, environmental, social, economic, and other issues affecting the public's health.

- **Essential Service VI: Enforce PH laws and regulations**

STANDARD VI-A Review existing laws and regulations and work with governing bodies and policymakers to update them as needed

STANDARD VI-E Conduct enforcement activities.