

# Mosquito Control Collaborative

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A Project of the  
Association of State & Territorial Health Officials (ASTHO)  
and the  
National Association of County and City Health Officials  
(NACCHO)

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Patricia Elliott (ASTHO) and Leigh Lipson (NACCHO)  
Washington, DC

# Today's Agenda

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- Welcome and introduction of consulting team
- Background and objectives of MCC
- Participant feedback on proposed MCC process and content
- Completion of response tool
- Discussion of follow-up, final Q & A
- Adjourn

# Consulting Team

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Lee Thielen

Tom Dunlop

Ken Mesch

Chet Moore

Merril Stern

# Why Create the Mosquito Control Collaborative?

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- 2003 West Nile Meeting – New Orleans
- The Mosquito Abatement for Safety & Health (MASH) Act
  - Improve the Nation's Public Health Infrastructure
  - Authorizes grants to state public health agencies for (1) coordinating mosquito control programs and (2) assisting local governments with assessment and planning grants
  - Authorized grants to localities for (1) prevention and (2) control activities
  - No funding appropriated in current fiscal year

# Mosquito Control Collaborative

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- Assoc. of State & Territorial Health Officials (ASTHO)
- National Assoc. of County & City Health Officials (NACCHO)
- Funded by Centers for Disease Control & Prevention (CDC)
- Representatives from health, environment, agriculture, mosquito control, state/local government

# Mosquito Control Collaborative

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- Objectives
  - Produce & distribute consensus recommendations on developing sustainable state & local mosquito control programs
  - Focus on locally developed, managed, & funded mosquito control programs, & the state role in planning & supporting localities
- Provides blueprint for program development
  - Not a “one size fits all” approach; define range of options & best practices
- Anticipate completion by May 2004, but a multi-year effort
- Input is welcome & why we are here today
  - Response/comment sheets at this meeting
  - E-mail/regular mail to Collaborative members

# Issues to be Covered

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- Threat Assessment
- Control Options
- Use and Evaluation of Scientific & Technical Reports
- Governmental Structure Options
- State, Local, and Federal Roles
- Legal Issues, Ordinances, and Agreements
- Public Information and Media Relations
- Stakeholder Participation
- Workforce and Training Issues

# Threat Assessment

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- What is magnitude of the problem?
  - What disease agents are present?
  - What vector species are present?
  - What environmental predictors are available (e.g., rainfall, temperature, snow pack, etc.)?
- What resources are available/required to respond?
  - Staffing and budget
  - Equipment and supplies
  - Medical and diagnostic laboratory support



# Control Options

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- Source reduction
  - Drain, cover, fill
- Public education
  - Personal protection
  - Cleanup
- Larval mosquito control
  - Chemicals
  - Biologicals
- Adult mosquito control
  - Adulticides

# Use and Evaluation of Scientific & Technical Resources

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- Taxonomic resources
  - What are the locally important species?
- Behavior and ecology resources
  - Where, when are they active?
- Control technology resources
  - Insecticide resistance?
  - Restricted access habitats?
- Epidemiology resources
  - Disease surveillance programs?

# Governmental Structure Options

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- Independent tax-supported agency
- Local health agency
- Other government agency (Streets, Parks and Natural Areas, etc.)
- Private contractor

# Legal Issues: Statutes, Ordinances & Agreements

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- Existing agency vs. new agency or program
- Enabling legislation
  - Allows creation of special taxing districts
  - Present in many, but not all, states
- Access and public nuisance laws
- Regional organizations or programs

# State, Local & Federal Roles

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- Most control and responsibility for program at local (city/county) level
- Contributions from state government
  - Laboratory support, training, surveillance
  - Emergency funding
- Contributions from federal government
  - CDC: Epidemic investigation, disaster response
  - FEMA: Disaster response, emergency funding (very restrictive criteria)

# Public Information & Media Relations

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- Effective programs will actively involve the local community
  - Public education
  - Residential source reduction, personal protection
- Ongoing communication is crucial
  - Media
  - Community outreach
- Communication with state health agencies, adjoining programs

# Stakeholder Participation

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- Who should sit at the table?
  - Original planning and program implementation
  - Ongoing activities of the program (board of commissioners, mayor's office, etc.)
- Who makes the final decision?
  - The buck stops where?
  - Citizens will have the final say for any program

# Workforce & Training Issues

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## ■ Staffing needs

- Taxonomist—able to identify all common species in the area, knows when/where to seek help
- Biologist/ecologist—responsible for habitat mapping, surveillance & trapping, control evaluation, etc.
- Other (admin., epidemiology, resistance testing, etc.)

## ■ Training and licensing

- Basic mosquito biology instruction for crews
- Pesticide applicator licensing (Public Health)



# **Participant Feedback & Questions**

# Next Steps

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- Input is welcome
  - Response/comment sheets at this meeting
- Drafting recommendations March & April
- Anticipate completion by late May 2004
  - This is a long-term effort
- Updates at websites: ASTHO ([www.astho.org](http://www.astho.org)) or NACCHO ([www.naccho.org](http://www.naccho.org))
- Contact ASTHO or NACCHO with feedback:
  - Pat Elliott (ASTHO) 202-371-9090 or [pelliott@astho.org](mailto:pelliott@astho.org)
  - Leigh Lipson (NACCHO) 202-783-5550 x243 or [llipson@naccho.org](mailto:llipson@naccho.org)