



A Web-Based Review of Environmental Health Vector Control Services in the US

Georgia Mosquito Control Association
Annual Meeting, 2018

Andrew Ruiz, MSPH

Health Scientist

Water, Food and Environmental Health Services

aruiz3@cdc.gov

What we will discuss:

- Purpose –why we did this
- Method –how we did this
- Discoveries –what we found
- Conclusion –why it matters



Purpose –why we did this

- Who was doing vector control (VC) in the US?
- What kind of services were they performing?
- Are there differences in the approach different types of programs take?
- What about other vectors?



Method –how we did this

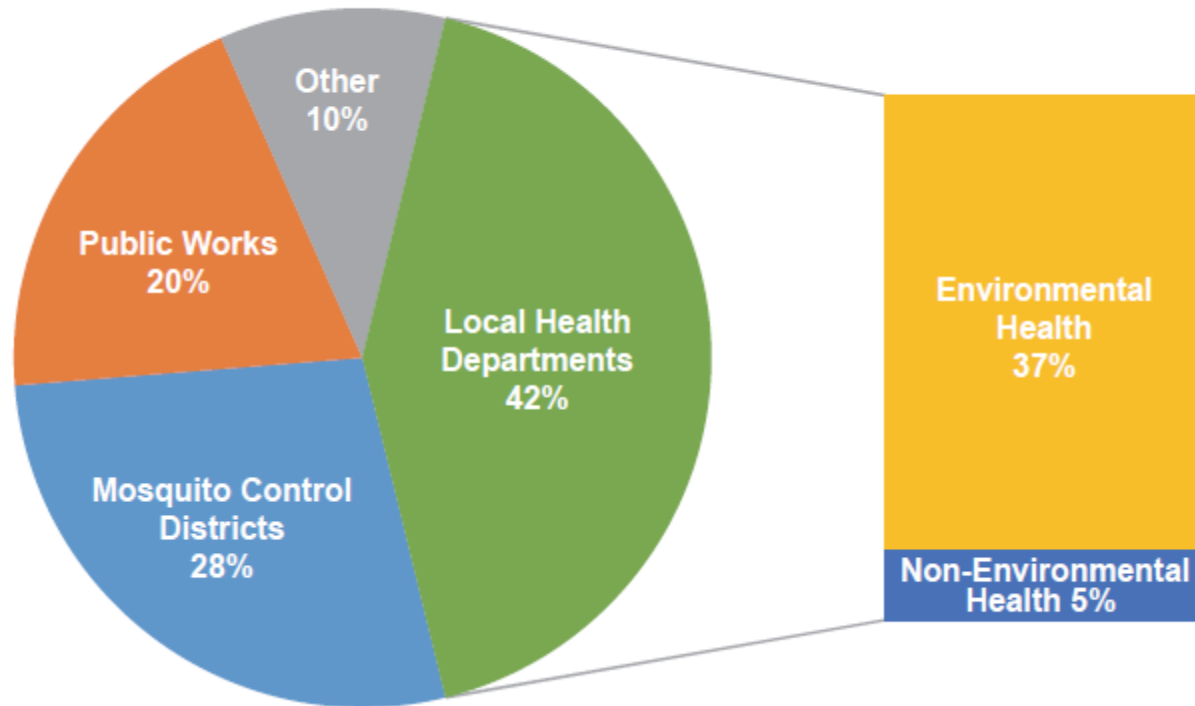
■ Performed web searches of 1,210 vector control programs

- Web presence
- Who operated the program
- Public outreach
- Inspections
- Source reduction
- Mosquito surveillance
- Larval control
- Adult control
- Pesticide resistance testing
- Response plan
- IPM
- Rodent control
- Tick control



Discoveries –what we found

Vector Control Services by Program Type



Discoveries –what we found

Number of Programs Performing Services

Program	Mosquito Control Program Services									Other Vector Services	
	Public Outreach and Education	Service Calls and Site Inspection	Source Reduction	Mosquito Surveillance and Trapping	Larval Control	Adult Control	Pesticide Resistance Testing	Existing Outbreak Response Plan	Follows Integrated Pest Management	Rodent Program	Tick Program
Mosquito control district	153	155	124	204	194	208	46	33	128	36	30
Local health department (environmental health)*	108 (85)	162 (130)	52 (37)	318 (271)	167 (122)	125 (82)	7 (4)	39 (37)	32 (21)	103 (81)	48 (31)
Public works	76	56	36	57	73	180	9	5	31	1	2
Other	27	21	17	53	36	63	10	11	14	5	18

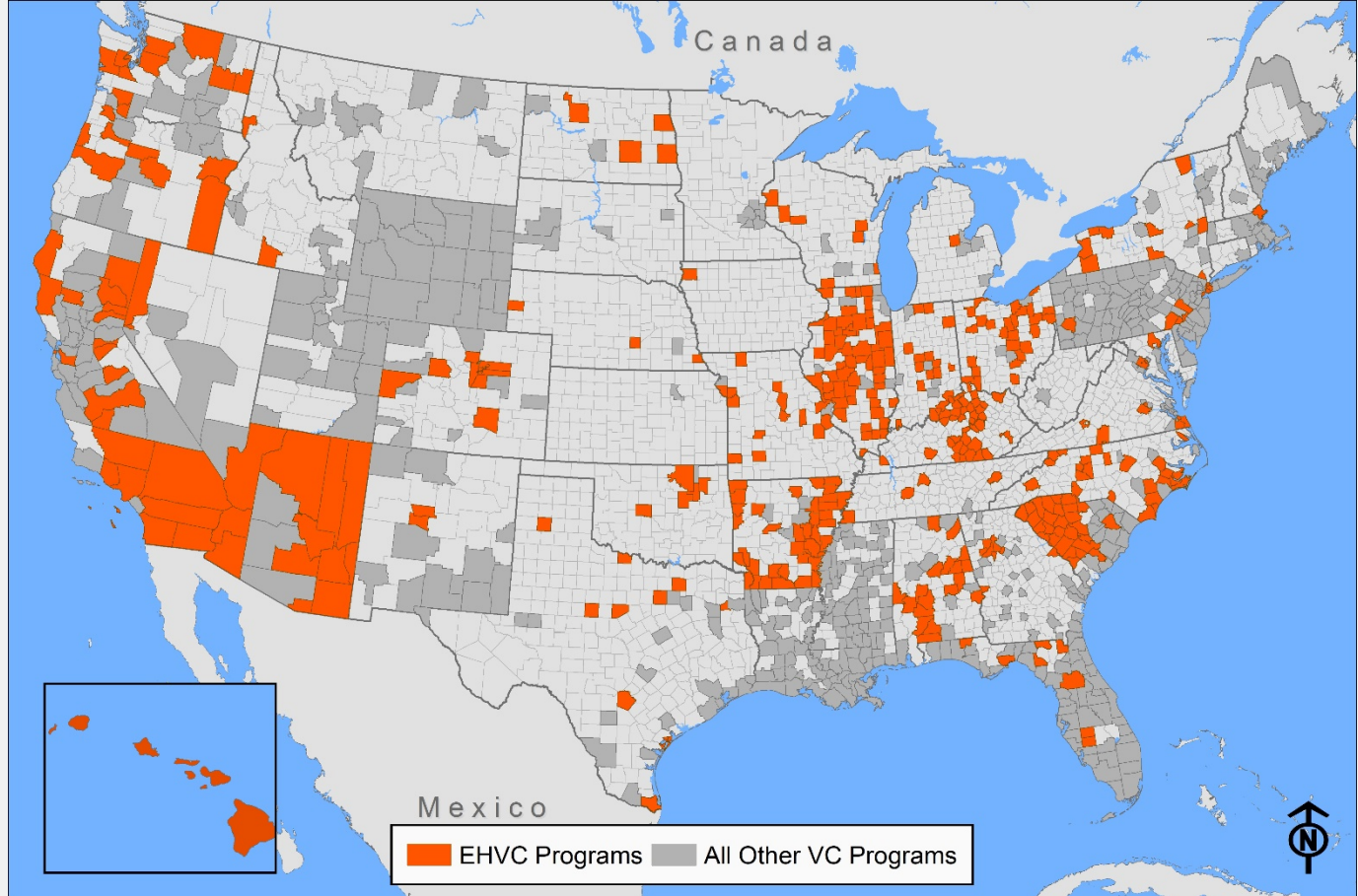
*Environmental health programs are included in the local health department totals.

Discoveries –what we found

Program	Mosquito Surveillance	Larval Control	Adult Control	Resistance Testing
Mosquito Control District	76%	73%	78%	22%
EHVC	79%	34%	23%	5%
Public Works	30%	38%	95%	<1%

Discoveries –what we found

Location of
EH-Run VC Programs



Limitations

- **Snapshot**
- **Convenience Survey**
- **Online presence varied greatly between programs**

Conclusion –why it matters

- **Environmental Health VC programs might make up the largest proportion of all US VC programs types**
- **VC programs can be strengthened by**
 - Environmental Health professionals becoming more active in VC associations
 - Environmental Health VC programs promoting their services by providing information online

Join Our e-Newsletter!




- 1-2 issues/month, no email overload!
- Timely & practical
- 64,000 subscribers (*and counting...*)



Scan Me!

Sign Up from Your Smartphone

1. Visit www.cdc.gov/ehs or scan the code
2. Fill in your email by this icon  Get Email Updates
3. Select "Environmental Health Services"

Thank you!

Andrew Ruiz, MSPH

Health Scientist

aruiz3@cdc.gov

For more information, contact NCEH
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov
Follow us on Twitter [@CDCEnvironment](https://twitter.com/CDCEnvironment)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

