



Integrated Mosquito Management Training

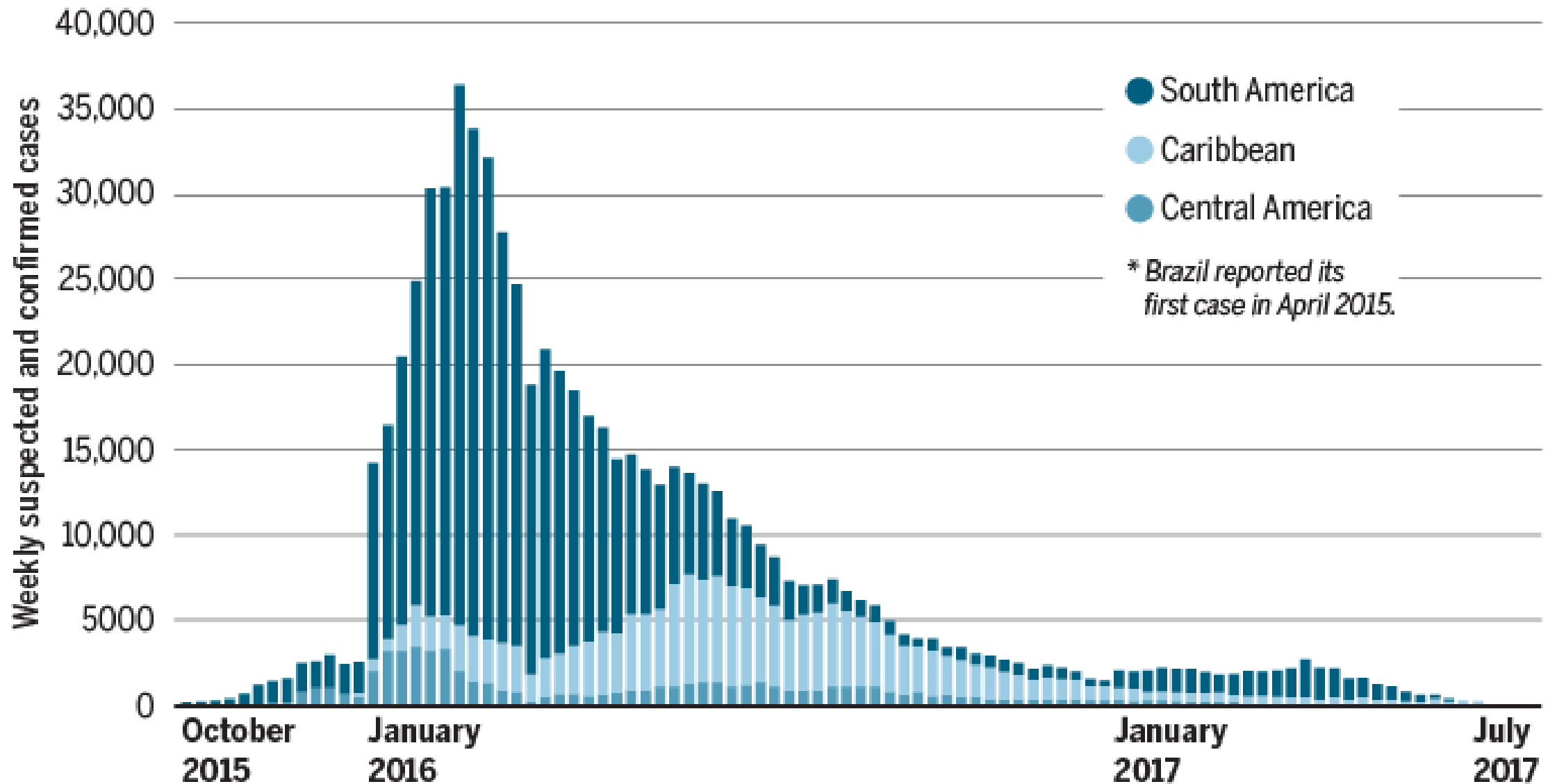
Stanton E. Cope, PhD

Captain (Retired), United States Navy

Past President, American Mosquito Control Association, 2016-17

What is the AMCA?

- Non-profit professional association founded in NJ in 1935. Originally called the Eastern Association of Mosquito Control Workers.
- ~1,500 members
- Made up of: students, scientists, regulators, industry, mosquito control employees, trustees, commissioners, and many others
- Members in 52 countries



Zika Virus Epidemic – October 2015-July 2017

Establishment of Training and Certificate Programs for Mosquito Surveillance and Control



Statement Of The Problem:

**Primarily Daytime-Feeding Mosquitoes,
Breeding In and Around Peoples' Homes,
Not Traditional Targets of Organized, Tax-based Mosquito Control.**



Yellow Fever Mosquito



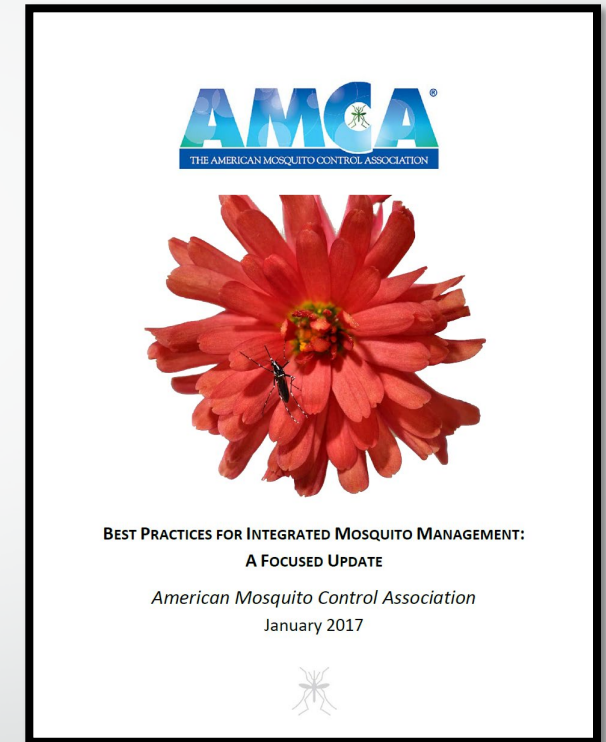
Asian Tiger Mosquito

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Task 1: Establish Industry Expert Panel

- Graham White, Ph.D.
- Cynthia Roxanne Rutledge Connelly, Ph.D.
- Sarah R. Michael, MSPH
- Kirk Smith, Ph.D.
- Mustapha Debboun, Ph.D.
- Ary Faraji, Ph.D.
- Kenn K. Fujioka-, Ph.D.
- Chris Barker, Ph.D.
- Christopher Lesser
- Isik Unlu, Ph.D.

The group reviewed and revised the existing Best Management Practices for Integrated Mosquito Management (AMCA 2009).
Also available in Spanish!



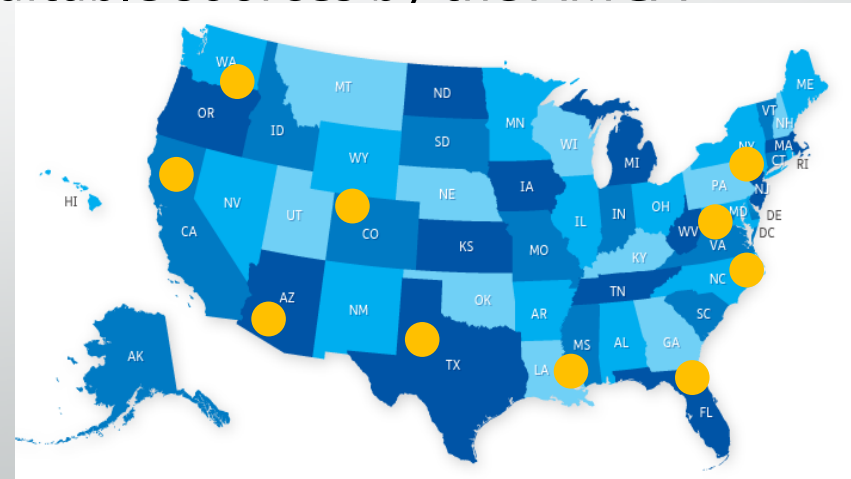
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Task 2 & 3: Develop and Deliver Train the Trainer Workshops

Curriculum built based on numerous sources including, but not limited to:

- Established industry panel
- Current guidelines and recommendations from various states and authorized organizations
- Presentations and webinars by individuals considered experts in the field
- Literature and research chosen as creditable sources by the AMCA

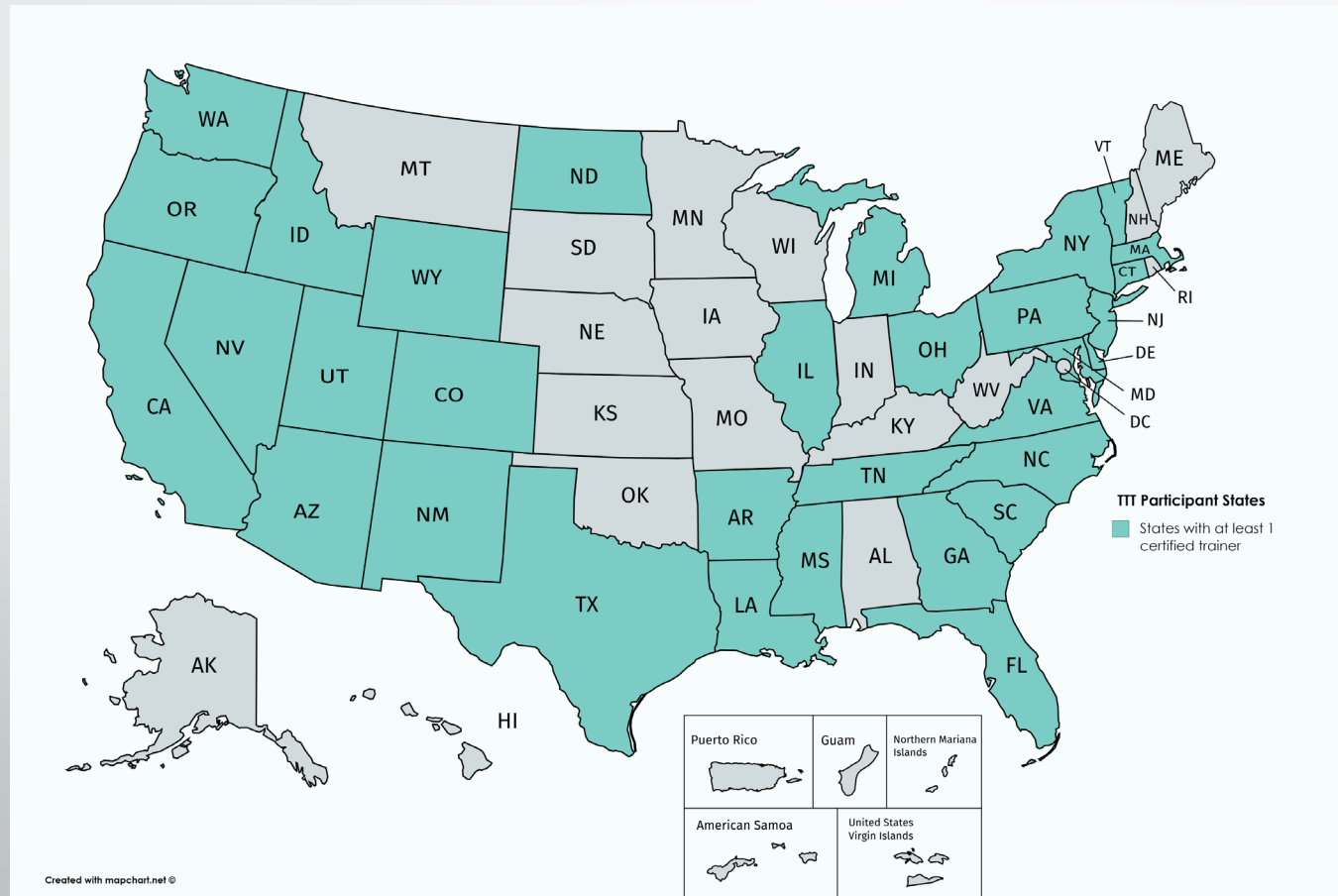
- 19 Master Trainers
- 10 workshop locations within the United States-
14 workshop sessions total



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Task 2 & 3: Develop and Deliver Train the Trainer Workshops

- More than 400 certifications
- Individuals in 31 states certified



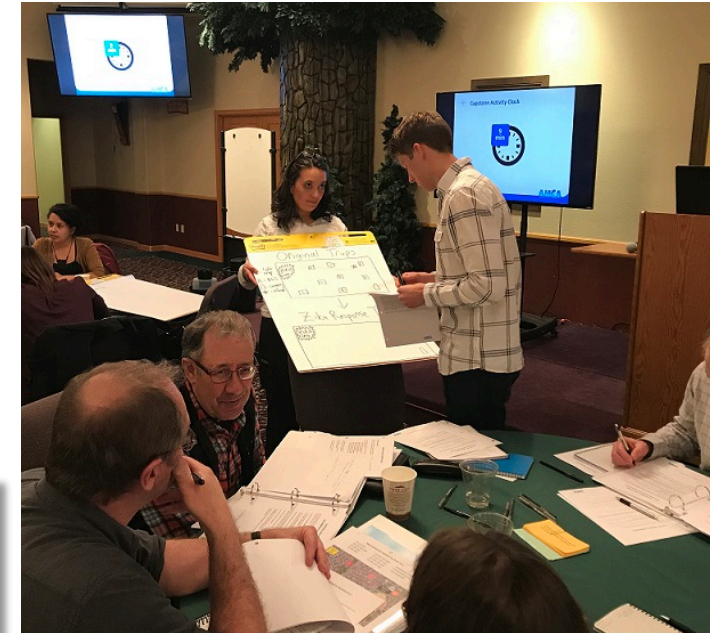
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Task 2 & 3: Develop and Deliver Train the Trainer Workshops

- Highlights



Trap Identification Challenge Activity: Teams reach a consensus on matching an answer card to a trap name card and place answer cards under appropriate trap name cards.



TTT participants working in groups to prepare the Capstone Activity



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Task 4: Develop and deliver comprehensive web-based training materials and certification

eLearning Modules

- Module 1: Mosquitoes and Disease: *Aedes* and *Culex*
- Module 2: What and Why of *Aedes* Species Ecology and Behavior
- Module 3: The What and How of *Aedes* Surveillance
- Module 4: The What and How of *Aedes* Control

Available online for free for members and non-members!

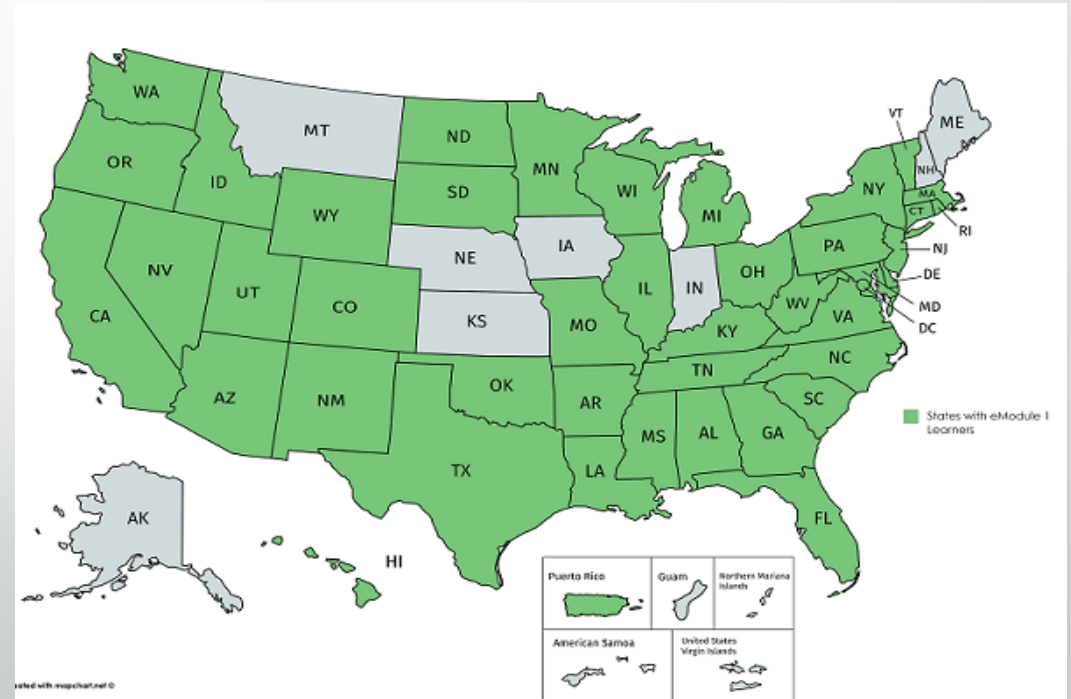


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Task 4: Develop and deliver comprehensive web-based training materials and certification

eLearning Modules

- More than 1,000 instances of engagement
- Individuals from 43 states/territories
- 761 total users



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Task 4: Develop and deliver comprehensive web-based training materials and certification

eLearning Modules- Globally

- More than 9 countries participated



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Task 5: Develop a knowledge based testing program and certification process to evaluate primary participant knowledge

- E-module progress checks
- Train-the-Trainer participation and “capstone” presentations at their local hubs will act as their Certification
 - Capstone Activity: culminates with actual live presentations by the participants “teaching” not telling other participants about a skill.

PROGRESS CHECK

Can you answer these questions before we proceed to our next exhibit?

A single dose of vaccine is sufficient to confer sustained immunity and life-long protection against which disease?

Dengue

Malaria

Yellow fever

Zika

SUBMIT

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Task 6: Program Evaluation of Effectiveness

- All components of the curriculum evaluated.
- End Learners participate in numerous activities throughout the live sessions in order for the trainer to gauge their comprehension and ability to execute.
- eLearning modules have embedded questions/progress checks to keep the learner engaged. A comprehension test is included at the end of each module.
- Evaluations rolled up to AMCA for analysis and decision-making.

Future AMCA Annual Meetings

SAVE THE DATES!

2019 Annual Meeting

February 25-March 1, 2019

Orlando, Florida

Caribe Royale All-Suite Hotel
and Convention Center



*Caribe Royale All-Suite Hotel and
Convention Center
Orlando, FL*

Registration and Housing will open in the Fall 2019!

2020 Annual Meeting

March 16-20, 2020

Oregon Convention Center
Portland, Oregon

2021 Annual Meeting

March 1-5, 2021

Salt Lake City, Utah

2022 Annual Meeting

February 28-March 4, 2022

Jacksonville, Florida



Visit AMCA online at www.mosquito.org.