



# SAVMA ONE HEALTH UPDATE

AVMA GHLIT BOARD OF TRUSTEES MEETING

SATURDAY JULY 16, 2011

CLAIRE MCPHEE, SAVMA GLOBAL & PUBLIC HEALTH OFFICER

ANDREW STAS, SAVMA GLOBAL & PUBLIC HEALTH OFFICER-ELECT



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# A little story about St. Louis...



# Obesity Awareness 2009 - 2011

- ▣ Increase awareness of obesity epidemic among human and companion animals
- ▣ SAVMA One Health Challenge provided
  - ▣ \$400 start-up grants
  - ▣ Up to \$1000 in possible additional funding



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# EVENT SUMMARY



- Over 4200 humans impacted by these events
  - Large impact on companion animals and companion animal health
  - Opportunity for veterinary students to become involved in community
    - Educate themselves
    - The public
    - Begin to participate as active members of profession
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# Creative events



- Soccer tournament, Western University
  - 5k run/walk, numerous
  - Obesity Awareness March, WSU
  - Extended pedometer event, numerous
  - SCAVMA Ride the Heart of the Valley, Oregon State
  - Health Fairs, numerous
  - Cowboys Stepping Out Obesity, OK State
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# Highlights

One Health Challenge III



- “The community turnout was pretty tremendous. Many people brought multiple dogs, and we didn’t have any dog fights! Definitely recommend holding a similar activity at every school!”
  
  - Iowa State University SCAVMA Scamper
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# Highlights



- “Students said that they placed a very high value on the content of the [One Health] conference. We have a large segment of students that believe the One Health Initiative is something that will greatly benefit the public health, once the human medical community is fully on board with it, and they are very excited to be a part of shaping our profession’s future to that end.”
    - Mississippi State University, Mississippi One Health Symposium
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# Highlights



- This event was a great way to bring the CVM and the community together in a manner that encourages fitness for pet and human alike.”
  - University of Missouri, 17<sup>th</sup> Annual DOG JOG 5K Run / 2.5K Walk
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# Highlights



- “This event was the first of its kind done in the CVM, as well as in Pullman. We made posters, designed cheers, and marched through campus and downtown Pullman...The interest we raised on campus was impressive. The best part of the march was marching through campus and getting to talk with students.”
  - Washington State University, Obesity Awareness March
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# Highlights

One Health Challenge III



*Paws on the Pavement 5k, October 2, 2010, Colorado State University*

*Dog Jog, September 19, 2010, University of Wisconsin*

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What's Next....?





# Vector-borne disease: a primer

- ▣ VBD: VIRAL, BACTERIAL, or PARASITIC diseases transmitted from one individual to another through a vector
  - ▣ Typically arthropod
    - ▣ Mosquitoes
    - ▣ Ticks
    - ▣ Flies
    - ▣ Fleas, etc
  
- ▣ One Health approach is ideal
  - ▣ Environment plays a key role
  - ▣ Many VBD are zoonotic



# Vector-borne disease: challenges

- Climate change
  - Rising prevalence of VBD
- Increasing resistance to insecticides, therapeutic drugs by vectors/pathogens
- Decreased resources for surveillance/prevention/control
- Poorly prepared health care infrastructure
- Interdisciplinary collaboration essential!



# Vector-borne diseases: by vector

## □ TICKS

- Lyme Disease
- RMSF
- Ehrlichia
- Bartonellosis
- Babesiosis
- Anaplasmosis
- Cytauxzoonosis

## □ FLIES

- Leishmaniasis
- Trypanosomiasis

## □ MOSQUITOES

- EEE, WEE, VEE
- WNV
- Yellow Fever

## □ FLEAS

- *Yersinia pestis*
- *Diplydium canis*

## □ MULTI-VECTOR

- Tularemia
- Equine Infectious Anemia



## WHAT CAN SAVMA MEMBERS DO?

- 2011-2012 One Health Challenge:  
Vector-borne disease
  - Host an **interscholastic symposium**
  - Host an **expert panel** for Q & A
  - Organize **youth educational events**
  - Contact **local newspaper/television media** to increase visibility
  - Create and distribute **informational pamphlets**
  
- THE POSSIBILITIES ARE **ENDLESS!!**



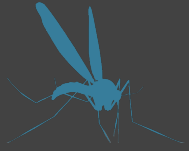
# Resources available

- <http://www.avma.org/savma/onehealth/>
- \$400 in start-up funding from SAVMA OHC (sponsored by AVMA-GHLIT)
  - Requires event report – due by 2012 AVMA Convention
- Grants available for up to \$1000 in further funding if necessary
- Posters for each SCAVMA chapter
- CDC Division of Vector-borne infectious diseases
  - <http://www.cdc.gov/ncidod/dvbid/>
- Global & Public Health Officer & GPHO-elect here to help
  - [savma.gpho@gmail.com](mailto:savma.gpho@gmail.com)





Questions?



# Thank you

- AVMA-GHLIT Board of Trustees, Jana Davidson, Libby Wallace
- Andy Stas
- SAVMA One Health Working Group
  - Justin Fyfe, Monika Burns, Megan McClosky, Chase Crawford, Jenn Linton
- Chris Koivisto, immediate-past GPHO
- SCAVMA Chapters participating in One Health Challenge