

Michigan Youth in Agriculture 2014-2017

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MICHIGAN Dept Health & Human Services



Michigan Department of Health & Human Services Michigan State University Extension MI Department of Agriculture & Rural Development MSU College of Veterinary Medicine

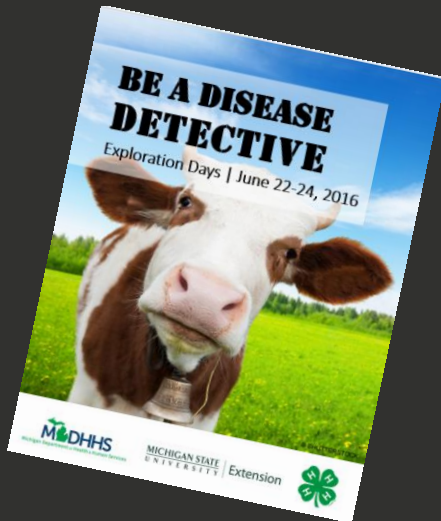
- 2014: 4H Exploration Days; Lesson Plans; Toolkits; Fair Signage
- 2016: All Above, Plus – Club Meetings; CDC Site Visit; **OUTBREAK**, Epi-Aid
- 2017: Expand to 4H/Fair Adults – Regional Meetings, more signs, more lessons



OUTCOMES



- 4H Exploration Days
- Animal Science Camp
- Spring 4H Leader's Conference
- MAFE Annual Meeting



Friends Magazine	65,000
7 Lesson Plans	4,000
"Biosecurity 1,2,3" Signs	600
"Be Health at Fair" Signs	900 +
Zoonotic Disease Presentations	36 events x 55 /event
Pathogen Prevention Kits	2,000
Display Banner	14

KEEPING HUMANS & ANIMALS HEALTHY



USING A ONE HEALTH APPROACH TO EDUCATE OUR COMMUNITY



MICHIGAN STATE UNIVERSITY | Extension



Michigan Department of Health & Human Services

Selected Products

Influenza Education Among Youth in Agriculture, a Successful Collaboration in Michigan, 2014-2016

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BACKGROUND

In 2014, CSTE and CDC announced a Project Development Grant for Influenza Education among Youth in Agriculture.

The funding supports pilot projects designed to educate youth participating in agricultural organizations about zoonotic diseases with public health impact.

As of 2017, the Michigan Department of Health and Human Services (MDHHS) has been funded for three grant cycles.

MDHHS collaborated with the Michigan State University Extension (MSUE), which educates youth, through Michigan 4-H.

Michigan 4-H offers a variety of programs to help youth ages 5-19 learn critical life skills. It is the largest youth development organization in the state, providing programs designed to provide experiential learning opportunities.

Michigan 4-H provides over 200,000 youth with experiential learning, including 58,000+ youth engaged in animal science activities through Michigan 4-H.



METHODS/RESULTS

Youth Education



Six lesson plans
(including supplies):
4,000 units

http://msue.anr.msu.edu/resources/6_h_animal_science_anywhere



Biosecurity 1-2-3
poster: 600 signs
at fairs

<http://msue.anr.msu.edu/uploads/236/50780/Biosecurity-1-2-3-4pg.pdf>



CDC One Health Presentation to
2016 Animal Science Camp

Zoonotic Disease Prevention
presentations: 36 events in
14 regions



Pathogen Prevention Kits:
2,000 kits to participants
and 4-H leaders



Friends Magazine:
65,000 copies

http://msue.anr.msu.edu/uploads/236/40780/NR_4-H_Zoonotic-Web.pdf



2016 and 2017:
MDHHS Epidemiology and Laboratory staff
host 4-H Exploration Days Session

Public Education



Be Healthy Around Animals posters: 900 units
http://msue.anr.msu.edu/uploads/236/67840/CV080_ZoonoticDiseaseSigns_01_AA.pdf



One Health
display banners:
14 (one for
each 4-H region)



MDHHS Influenza
education session:
50 adult leaders at
the MSUE Children
and Youth Institute
Spring Conference

CONCLUSIONS

In Michigan, this funding has facilitated a fruitful collaboration between public health and MSUE that has resulted in improved education and awareness about zoonotic diseases among youth in agriculture, potentially reaching over 200,000 youth involved in 4-H programs in Michigan.

These relationships were also instrumental in Michigan's response to an outbreak of H3N2 influenza in swine and people at agricultural fairs in the summer of 2016. Through these established relationships, public health was able to more quickly distribute information about influenza to 4-H adult leaders and youth exhibiting swine.



2017- Zone Meetings

- Six Regional Meetings
- “Meet & Greet” format
- Outside peak season
- Inclusive:
 - State Health
 - MSU Extension
 - State Agriculture
 - Fair Boards/ 4H Leaders
 - Local Health
 - Fair Veterinarians
 - Regional Staff



Youth Ag
Project
Leaders

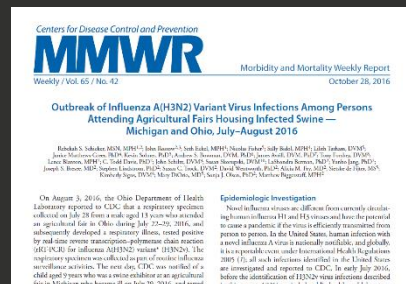
Local
Health
Staff

Local Fair
Officials

Successes/Bonuses

H3N2v Outbreak Response 2016

- Multi-county: 12 cases/3 fairs
- Animal & Human illness
- Animal sampling – ongoing research
- CDC Epi-Aid
- TIM (Text Illness Monitoring) 1st use
- MMWR



Fair Animal Health Plan 2017

- Initial plan 2009
- Extension & Agriculture driven
- Local & State Health invited 2017

Arkansas Middle Schoolers

Michigan Gifted & Talented Education

