



Healthy Animals | Healthy YOUTH



HEALTHY ANIMALS | HEALTHY YOUTH

ZOONOSES EDUCATION PROJECT FOR YOUTH IN AGRICULTURE

RESOURCES FOR FACILITATORS

Overview

The **Healthy Animals | Healthy Youth** partnership strives to implement and strengthen a One Health approach towards the prevention and control of zoonoses in people and animals.

Zoonotic diseases are infections that spread between animals and humans. According to the *2017 Compendium of Measures to Prevent Disease Associated with Animals in Public Settings*, young people with close animal contact are at increased risk for infection and are more likely to have complications from zoonotic diseases.

The resources on this website are made available to trained facilitators who work directly with youth in agriculture, their families, and communities to promote awareness and best practices to reduce the spread of zoonotic diseases.

Resources

Facilitators may access the following resources from this website:

- Team Members and Partners ([link to Partners/Members page](#))
- Activity Kit Lesson Plans ([link to Activity Kit page](#))
 - The Kit includes 24 lesson plans from nine subject areas
- Additional Resources([link to Additional Resources page](#))
 - Activity Kit Material List
 - Facilitator's Teaching Report Form
 - Lesson Videos – Examples of Lesson Activities

Submit a Facilitator's Teaching Report

Facilitators, please help us keep a record of those you engage with the **Healthy Animals|Healthy Youth Zoonosis Activity Kit** materials. Reports may be submitted online or download and print the *Facilitator's Teaching Report Form* and submit to Carrie Wivell, email: cwivell@umd.edu.

Complete the online Facilitator's Teaching Report ([link to the online Facilitator's Teaching Report Google Form](#))

Download the Facilitator's Teaching Report Form ([link to the Facilitator's Teaching Report Form](#))

How to Become a Healthy Animals|Healthy Youth Trained Facilitator

Contact Carrie Wivell, UMD Extension, 4-H Program Coordinator, University of Maryland Extension 4-H Center by email: cwivell@umd.edu



ACTIVITY KIT LESSON PLANS

Section 1 – What is Zoonosis?

1. Introduction to Zoonosis ([link directly to lesson plan](#))
2. Zoonosis Matching Game – Flashcards ([link directly to lesson plan](#))
 - a. Zoonosis Matching Game Flashcards ([link directly to flashcards](#))
 - b. Zoonosis Matching Game Flashcards Key ([link directly to flashcards key](#))
3. Diseases that Animal and Humans Share – Flashcards ([link directly to lesson plan](#))
4. Zoonosis Jeopardy Game ([link to directly to lesson plan](#))
 - a. Jeopardy Game PowerPoint ([link directly to jeopardy game PowerPoint](#))
 - b. Jeopardy Game Team Answer Sheet ([link directly to Jeopardy game score card](#))

Section 2 – Identifying Zoonotic Diseases

1. What is a pathogen? – “Build a Parasite” ([link directly to lesson plan](#))
2. Health for One, One Health for All ([link directly to lesson plan](#))
3. Animal Health Picture Sort Game ([link to the PowerPoint](#))
4. An Introduction to Identifying Zoonotic Diseases (PowerPoint) ([link to the PowerPoint](#))

Section 3 – Disease Transmission

1. Routes of Transmission (Worksheet) ([link directly to worksheet](#))
2. Disease Transmission through Direct Contact ([link directly to lesson plan](#))
3. Disease Transmission via Aerosol and Droplets ([link directly to lesson plan](#))
4. Direct Contact Glo Germ Activity ([link directly to lesson plan](#))
5. Germ Swap ([link directly to lesson plan](#))
6. Got Immunity? ([link directly to lesson plan](#))

Section 4 – Hand Washing

1. Glo Germ Handwashing Demonstration ([link directly to lesson plan](#))
2. Painted Hands: Hand Sanitizer and PPE Glove Use ([link directly to lesson plan](#))
3. Hand Washing and Hand Sanitizer Use ([link directly to handout](#))

Section 5 – Biosecurity

1. Down and Dirty with Biosecurity ([link directly to lesson plan](#))
2. Biosecurity Lessons ([link directly to lesson plan](#))
 - a. Develop a Simple Biosecurity Plan ([no link here](#))
 - b. Internal and External Biosecurity Measures ([no link here](#))
 - c. Spreading Disease One Touch at a Time ([no link here](#))
3. Building on Biosecurity, Reducing the Risk ([link directly to lesson plan](#))
4. Basics of Biosecurity ([link directly to handout](#))

Section 6 – Antimicrobial Resistance

1. Antibiotic Resistance ([link directly to lesson plan](#))

Section 7 – Animal Health Checks

1. MDA Equine Self Certification Form ([link directly to MDA Website](#))
2. MDA Livestock Self Certification Form ([link directly to MDA Website](#))
3. MDA Poultry Self Certification Form ([link directly to MDA Website](#))
4. MDA Rabbit Self Certification Form ([link directly to MDA Website](#))
5. Exhibitor's Self-Certification of Animal Health Videos
 - a. Beef ([link directly to video](#))
 - b. Goat ([link directly to video](#))
 - c. Poultry ([link directly to video](#))
 - d. Rabbit ([link directly to video](#))
 - e. Swine ([link directly to video](#))
 - f. Sheep ([link directly to video](#))

Section 8 – Personal Protective Equipment

1. PPE Safe Removal Activity ([link directly to lesson plan](#))
2. Sequence for Putting On and Removing PPE – CDC ([link directly to handout](#))
3. Steps to Putting on and Removing PPE, Including Coveralls – World Health Organization ([link directly to handout](#))

Section 9 – Careers

1. Bridging Human and Animal Health ([link directly to lesson plan](#))



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ADDITIONAL FACILITATOR RESOURCES

- **Healthy Animals | Healthy YOUTH** Zoonosis Activity Kit Materials List and Suppliers ([link to the materials list](#))
- Download the Facilitator's Teaching Report Form ([link to the Facilitator's Teaching Report Form](#))
- The following videos are made available to provide a demonstration of how the identified lessons may be facilitated ([link to respective video URL](#)) :
 - *Lesson 2.1. What is a pathogen? - "Build a pathogen"*
 - *Lesson 2.2. Health for One, One Health for All*
 - *Lesson 3.3. Disease Transmission via Aerosol and Droplets*
 - *Lesson 3.4. Direct Contact Glo Germ Activity*
 - *Lesson 4.2. Painted Hands: Hand Sanitizer and PPE Glove Use*



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PROJECT PARTNERS

Maryland Department of Health



University of Maryland Extension 4-H



Maryland Department of Agriculture



West Virginia University Extension Service



PROJECT TEAM MEMBERS

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- **Chris Anderson** – 4-H Youth Development Specialist, Animal Science, University of Maryland Extension 4-H Center
- **Michael Odian**, DVM - State Veterinarian, Maryland Department of Agriculture
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