





# Zoonotic Disease Risk and Prevention Skill-a-thon Kit

Zoonotic diseases account for nearly 75% of all emerging infectious diseases worldwide and have major impacts on animal and human health. Agricultural fairs create a unique interface that is conducive to zoonotic disease transmission by commingling animals and people for a prolonged period of time. One example of zoonotic disease transmission events that occur at fairs are the reported cases of variant influenza A virus associated with swine exhibitions. Since 2011, there have been 426 human cases of swine-lineage influenza reported; with 67% of those being documented in Ohio and Indiana. The majority of these cases have been youth exhibitors and others in close contact with pigs at the fairs and with nearly 150 million people attending agricultural fairs each year, the potential risk to public health is high.

To increase the knowledge of swine exhibitors, a zoonotic disease chapter for the Ohio Swine Project Resource Book was created along with an accompanying skill-a-thon station. Just like all other skill-a-thon stations, this one includes pictures, task cards, and manipulatives of animals, equipment, and people so the participants can easily demonstrate their knowledge of zoonotic diseases. The station was piloted during the 2017 and 2018 Ohio State Fairs, which identified gaps in knowledge of zoonotic diseases. Skill-a-thon kits are being disseminated to all counties in Ohio and Indiana with funds provided by the Council of State and Territorial Epidemiologist (CSTE) to bridge the gap.

The following items are included in this skill-a-thon kit:

Instructions  
Disease cards and labels  
Clinical signs labels

Icon	PPE for Zoonotic Disease Prevention	PPE for protection of other hazards (youth should not choose these items)
	Disposable gloves	Knit gloves
	Coveralls	Sunscreen
	N95 respirator	Earplugs
	Boot covers	Hair net
	Hand Sanitizer	Hard hat
PPE = Personal Protective Equipment		

Electronic materials can be found at [www.go.osu.edu/vetfluresearch](http://www.go.osu.edu/vetfluresearch)

Contact your state 4-H Animal Science Specialist for more information