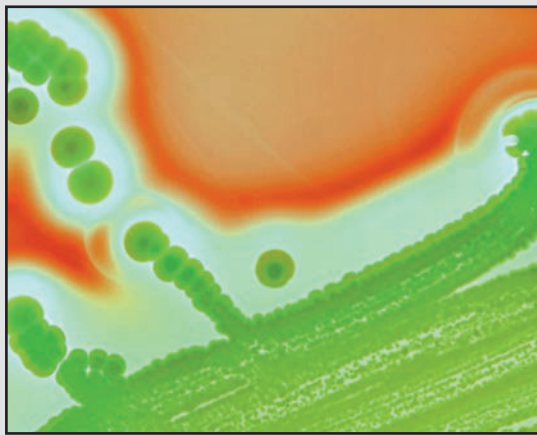


SCIENTIFIC RESEARCH INDICATES:

CAFOs Are a Public Health Threat



CAFOs Are Creating Superbugs

- CAFOs are an optimal environment for breeding antibiotic-resistant bacteria¹
- CDC: Antibiotic overuse is creating antibiotic-resistant superbugs¹
- 70-80% of all antibiotics in the US are used in factory farms²

Antibiotic Resistance Is An Urgent Problem for People NOW

- 64% of swine workers & 70% of hogs were found to carry the same strain of MRSA³
- Neighbors within 1 mile of a large CAFO (2500+ hogs) were nearly 3 times more likely to carry MRSA, an antibiotic-resistant staph infection⁴

Antibiotic-Resistant Bacteria Are Spreading Beyond CAFOs. Anyone Can Get MRSA

- Wind blows tiny particles of antibiotic resistant DNA miles from factory farms⁵
- Flies from CAFOs can carry antibiotic resistant bacteria⁶
- 69% of sampled raw pork contains superbugs⁷

Superbugs kill at least 23,000 people every year¹

Don't you and your families deserve better than this?

Learn more at www.jfaniowa.org/antibiotic_resistance.aspx

1. *Antibiotic Resistance Threats in the United States, 2013*. Centers for Disease Control and Prevention.

2. *Hogging It! Estimates of Antimicrobial Abuse in Livestock*. Union of Concerned Scientists, 2001.

3. "Methicillin-Resistant *Staphylococcus aureus* (MRSA) Strain ST398 Is Present in Midwestern U.S. Swine and Swine Workers." University of Iowa. *PLOS One*, 2009.

4. "Residential Proximity to Large Number of Swine in Feeding Operations Is Associated with Increased Risk of Methicillin-Resistant *Staphylococcus aureus* Colonization at Time of Hospital Admission in Rural Iowa Veterans." University of Iowa, Iowa City Veterans Affairs, and Kent State University. *Infection Control and Hospital Epidemiology*, February 2014.

5. "Antibiotics, Bacteria, and Antibiotic Resistance Genes: Aerial Transport from Cattle Feed Yards via Particulate Matter." Texas Tech University and the Research Testing Laboratory. *Environmental Health Perspectives*, January 2015.

6. "Insects in Confined Swine Operations Carry a Large Antibiotic Resistant and Potentially Virulent Enterococcal Community." North Carolina State University and Kansas State University. *BMC Microbiology*, 2010.

7. *Superbugs Invade American Supermarkets*. Environmental Working Group Report, 2013.

Get the facts about CAFOs from Jefferson County Farmers & Neighbors, Inc. www.jfaniowa.org