

How Do We Put America First If We Don't Put Our Children First?



Children are especially vulnerable to the harms from factory farms. Scientific studies indicate:

ASTHMA: Children living near factory farms are more at risk for asthma.

- 44% of children living on a farm with a CAFO had asthma symptoms compared to 26% of those on traditional farms.¹
- 56% had asthma symptoms if antibiotics were used in the CAFOs¹
- Teens were 24% more likely to wheeze attending school near a CAFO when indoors odors were noticeable at least twice a month.²

ANTIBIOTIC RESISTANT BACTERIA: Neighbors living near a 2500+ hog CAFO have a nearly 3X greater chance of colonizing MRSA.³ Children are at risk.

- The incidence of MRSA in children rose 10.2% between 2005 – 2010 with infants ages 3-90 days at greatest risk.⁴
- 91% of the children with MRSA were hospitalized; 6% resulted in death (CDC study).⁴

URINARY TRACT INFECTIONS (UTI): Antibiotic resistance to this common pediatric infection is rising.

- 50% of pediatric *E. coli* linked UTI's were resistant to ampicillin, a third to co-trimoxazole and a quarter to trimethoprim.⁵
- Young children are more vulnerable to kidney scarring, kidney failure and other complications if infections are not treated effectively.⁶
- Consumption of chicken meat from CAFOs is linked to UTI infections.⁷

BLUE BABY SYNDROME: Infants are at greater risk for blue baby syndrome when drinking water high in nitrates. Agriculture is the major source.⁸

- Over 60 Iowa municipalities have experienced high nitrate levels in their water supply between 2010 – 2015.⁹
- 260 cities and towns – 1/3 of Iowa municipalities – are highly susceptible to nitrate and other pollutants according to DNR records.⁹

Our children depend on us for safe places to live, learn, and play. Isn't it time for a factory farm moratorium now?

Learn more at www.jfaniowa.org/childrenimpacts

Sources:

1. "Asthma Symptoms Among Adolescents Who Attend Public Schools That Are Located Near Confined Swine Feeding Operations." *Pediatrics*. July 2006. 2. "Asthma and Farm Exposures in a Cohort of Rural Iowa Children." *Environmental Health Perspectives*. March 2005. 3. "Residential Proximity to Large Numbers of Swine in Feeding Operations Is Associated with Increased Risk of Methicillin-Resistant *Staphylococcus aureus* Colonization at the Time of Hospital Admission in Rural Iowa Veterans." *Infection Control and Hospital Epidemiology*. February 2014. 4. "Trends in Invasive Methicillin-Resistant *Staphylococcus aureus* Infections." *Pediatrics*. July 15, 2013. 5. "Antibiotic Resistance in Children with *E coli* Urinary Tract Infection." *The BMJ*. March 15, 2015. 6. "Antibiotic-Resistance Common in Kids' UTIs." WebMD.com. March 16, 2016. 7. "Chicken as Reservoir for Extraintestinal Pathogenic *Escherichia coli* in Humans, Canada." *Emerging Infectious Diseases*. March 2012. 8. "Iowa's Nutrient Budget." Iowa Department of Natural Resources. 9. "High Nitrate Levels Plague 60 Iowa Cities, Data Show." *Des Moines Register*. July 4, 2015.

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