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# **Arsenic in Chicken Meat**

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Until July 2011, chickens were routinely fed roxarsone, an arsenic-based drug, and similar products, to their chickens through their feed. Poultry producers did this because arsenic is believed to speed the growth of chickens, and to give chicken meat a pink color that's pleasing to the shopper's eye. Arsenic-based drugs were also approved to prevent parasites in the chicken's gut. This study shows that chicken meat from chickens likely raised with roxarsone had elevated concentrations of inorganic arsenic (a known carcinogen) compared to USDA Organic chicken.

In 2011, the leading U.S. marketer of roxarsone voluntarily suspended its sale. There is no ban on arsenic-based drugs, and producers are free to use them if they choose to.



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# **Key Findings**

#### **Public Health Concerns**

### Who We Are

# Cities represented in the study



#### **Research Summary**

Researchers purchased 142 chicken breasts from 82 stores in 10 cities across the U.S., representing 60 unique chicken brands. Sixty-nine chicken breasts came from companies deemed "conventional," 36 were conventional but antibiotic-free, and 37 were USDA Organic. Half of each chicken breast was tested after cooking, the other half left raw for testing. A team at the University of Graz in Austria analyzed each sample for total arsenic concentrations, and more specifically for concentrations of roxarsone, inorganic arsenic, and methylated arsenic species.

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### **Strategies for Action**

- FDA should protect public health by withdrawing its approvals of all arsenic-based drugs, including roxarsone.
- Congress should pass legislation to permanently ban all arsenic-based drugs from food animal production.
- Consumers should purchase USDA Organic chicken.

# **Full Title:** Inorganic Arsenic, Roxarsone, and Other Arsenic Species in Chicken Meat: a US-Based Marked Basket Sample

Abstract available at: http://ehp.niehs.nih.gov/1206245/

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