

Trends in Occupational Fatalities to Workers Less Than 20-Years Old on Farms in the United States: 2003-2012.



John R. Myers, MS
NIOSH Division of Safety Research
Morgantown, WV

Youth <20 Working On Farms In US

- **Estimated 730,800 youth did some farm work in 2012**
 - ✓ **Crop = 338,500 working youth**
 - ✓ **Livestock= 392,300 working youth**

Source: NIOSH, 2014.

Youth Fatal Farm Work Injuries in US

- Trends in farm work-related fatal injuries have not been examined since early 2000's
- This study looks at recent trends in the number and rate of work-related fatalities to youth working on farm.

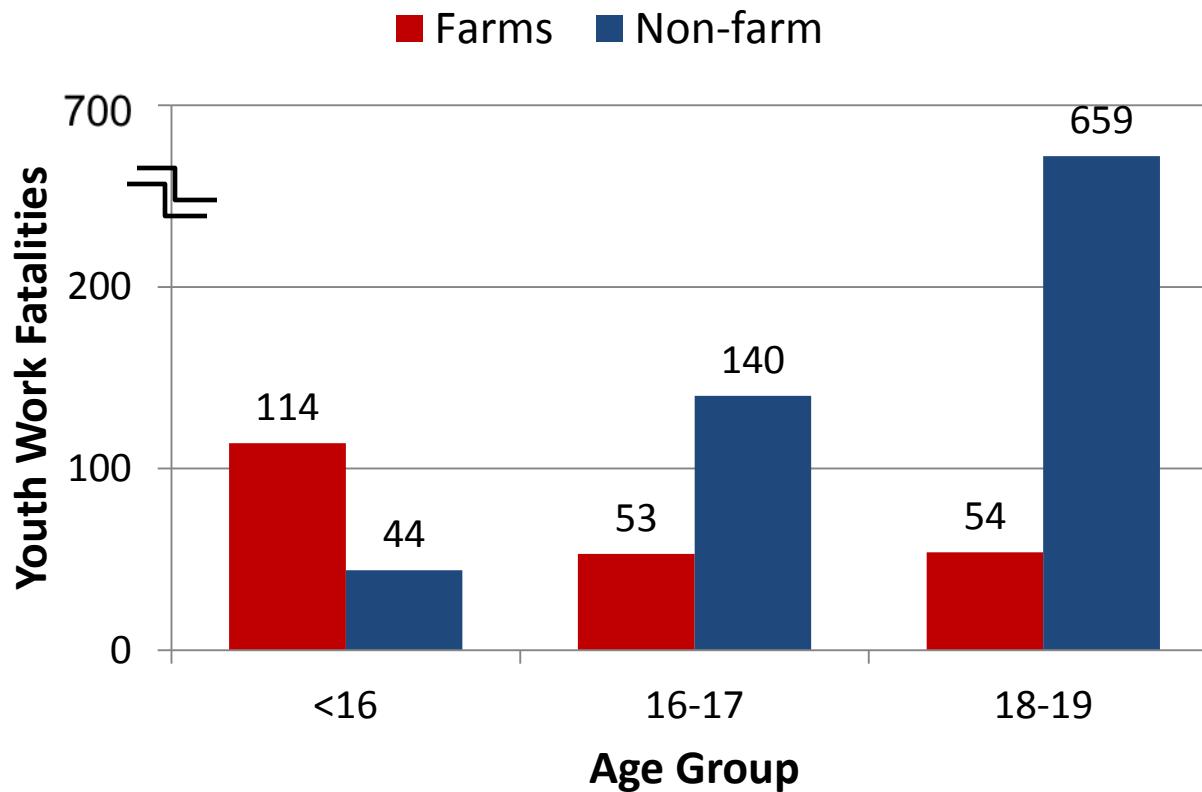
Youth Farm Work Fatal Injuries in US: Methods

- **Data Source: BLS Census of Fatal Occupational Injuries (CFOI)-Public Use Data**
- **Fatalities to youth <20 years of age:**
 - ✓ **Working in non-farm industries and on farming operations**
 - ✓ **Occurring between 2003 and 2012**
- **Full-time equivalent worker estimates from the BLS Current Population Survey**

Youth Farm Work Fatal Injuries in US: Overall Results

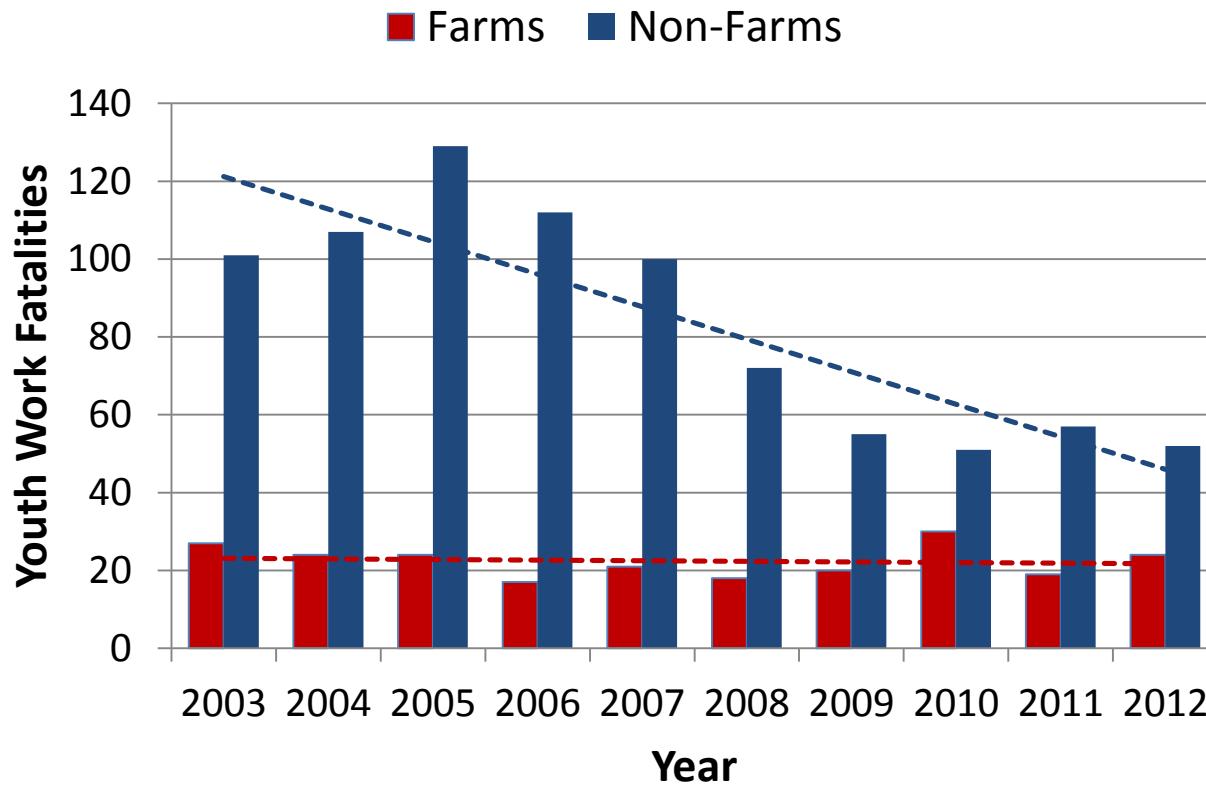
- Between 2003-2012, 1,060 youth <20 years old died at work from an injury
- Youth working on farms accounted for 224 of these deaths
 - ✓ 153 crop farms

Youth Work Fatalities in Farm and Non-Farm Industries, by Age Group: 2003-2012



Source: BLS CFOI Public Use Data.

Youth Work Fatalities in Farm and Non-Farm Industries by Year: 2003-2012

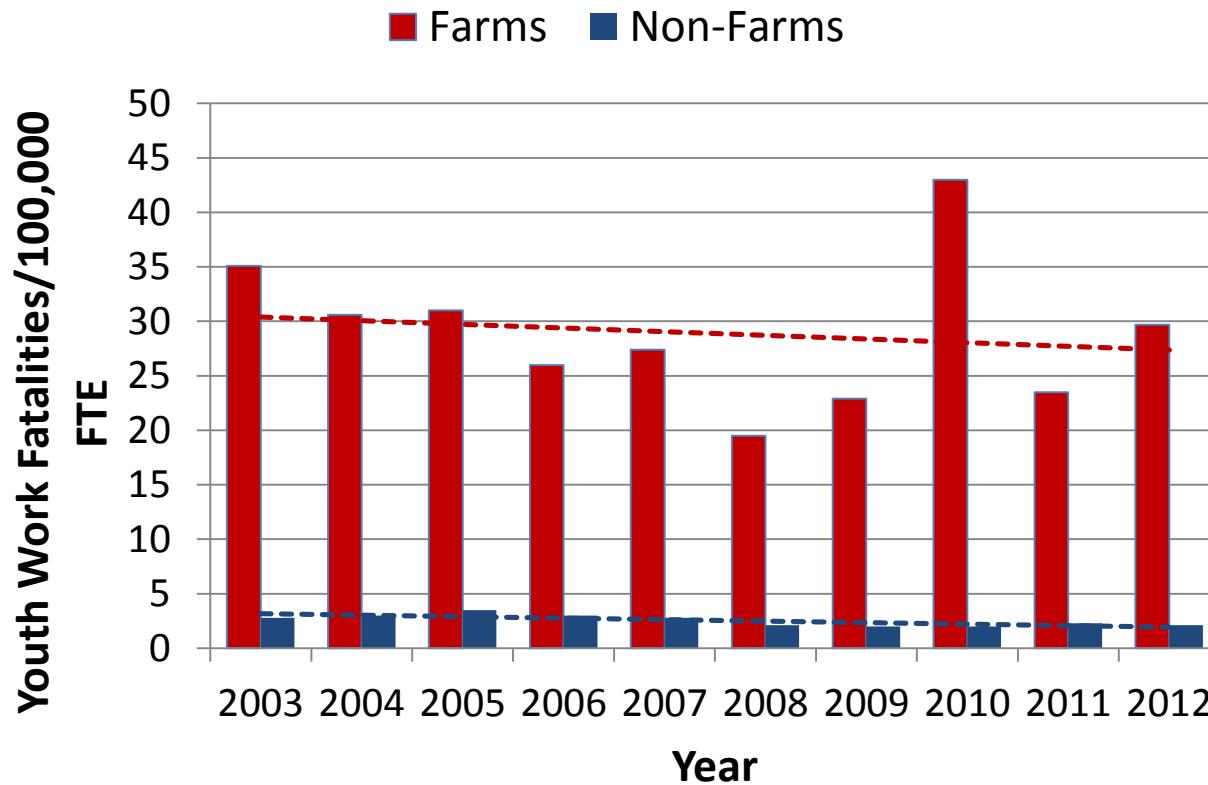


Source: BLS CFOI Public Use Data .

Youth Work Fatalities in Farm and Non-Farm Industries: 2003-2012

- Annual average fatality rate for youth working in non-farm industries was 2.6 deaths/100,000 FTE
- For farms, the youth fatality rate was 28.5 deaths/100,000 FTE
 - ✓ Crops: 42.0 deaths/100,000 FTE
 - ✓ Livestock: 16.9 deaths/100,000 FTE

Youth Work Fatality Rates in Farm and Non-Farm Industries by Year: 2003-2012



Source: BLS CFOI Public Use Data.

Discussion

- **Youth <20 years old working on farms account for a disproportionate number of work fatalities**
- **This disparity is greatest for youth <16 years ($\approx 76\%$ of deaths)**
- **Fatality rates for youth working on farms were 11 times those of youth working in non-farm industries**

Discussion

- **Child Labor rules for agriculture are not as protective for youth work on farms as for non-farm industries**
 - ✓ Do not apply to 16-18 year olds
 - ✓ Provide limited protections to 14-15 year olds
 - ✓ Do not apply to farm family members
- **Recent proposed revisions to Child Labor rules for farming have been withdrawn**

For more information

John R. Myers
NIOSH Division of Safety Research
1095 Willowdale Road
Morgantown, WV 26505

(304) 285-6005

JRMyers@cdc.gov

The findings and conclusions in this presentation are those of the author and do not necessarily represent the views of the National Institute for Occupational Safety and Health.