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# 2000 Childhood Agricultural Injuries On Minority-Operated Farms

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# USDA



# U.S. Agricultural-Related Injuries to Youth Under 20 Years Old On Minority-Operated Farms in 2000

## The National Picture

During 2000, there were 530 agricultural-related injuries that occurred to youth under the age of 20 who lived on, worked on, or visited a farm operated by an individual from a racial minority group. The four racial minority groups are Asian, Black, Native American and Other. During the same year, there were 366 agricultural-related injuries that occurred to youth under the age of 20 who lived on, worked on, or visited a farm operated by an individual who is Hispanic. Hispanic information is presented separately because it is considered to be an ethnic group and not a race. However, there is overlap between the racial and Hispanic information (i.e., an operator may be both a racial and an ethnic minority, and be represented in both estimates). These findings are the result of a telephone survey of 50,000 minority farms and ranches across the U.S. conducted by the National Agricultural Statistics Service (NASS) for the National Institute for Occupational Safety and Health (NIOSH). Farm operators were asked questions on any injuries to youth less than 20 years of age that occurred on their farm in the year 2000. An injury was defined as any condition occurring on the farm operation resulting in at least 4 hours of restricted activity.

There were an estimated 416,000 youth (**Working and Non-Working**) reported on 47,658 racial minority operated farms in the Survey. All minority-operated farm counts were based on totals from the 1997 Census of Agriculture. Among **Working and Non-Working** youth, the U.S. injury rate across all racial minority-operated farms was 1.3 injuries per 1,000 youth, or 11.1 injuries per 1,000 farms. There was an average of 8.7 **Working and Non-Working** youth on each racial minority-operated farm during the year.

On the 27,717 Hispanic-operated farms, there were an estimated 288,000 youth (**Working and Non-Working**) reported in the survey. There were 1.3 injuries per 1,000 youth to **Working and Non-Working** youth on Hispanic-operated farms, or 13.2 injuries per 1,000 farms. There was an average of 10.4 **Working and Non-Working** youth on each Hispanic-operated farm during the year.

There was an estimated total of 34,500 youth, under the age of 20, **working** on racial minority-operated farms in 2000. A total of 200 injuries was incurred by these **working** youth, for a rate of 5.8 injuries per 1,000 **working** youth. There were 4.2 injuries to **working** youth per 1,000 farms operated by an individual from a racial minority group. Each minority-operated farm had an average of 0.7 **working** youth on it for the year 2000.

For Hispanic-operated farms, there were nearly 23,000 youth **working** in the year 2000. A total of 140 injuries was incurred by these **working** youth for a rate of 6.1 injuries per 1,000 **working** youth. There were 5.1 injuries to **working** youth per 1,000 Hispanic-operated farms. Each Hispanic-operated farm had an average of 0.8 youth **working** in the year 2000.

## Racial Group Breakdown (Working and Non-Working Youth)

Farms operated by Native Americans had the highest occurrence of injuries among **Working and Non-Working** youth, with 2.1 injuries per 1,000 youth, while farms with Black operators had the lowest incidence of injury to **Working and Non-Working** youth, at 0.7 injuries per 1,000 youth.

There were 25.0 injuries per 1,000 farms operated by Native Americans. This number was strongly influenced by the higher concentration of **Working and Non-Working** youth on this particular group of farms in comparison to the other racial minority groups. There was an average of 12.0 **Working and Non-Working** youths per "Native American operated" farm, while "Asian-operated" farms had the lowest average of 5.3 **Working and Non-Working** youths per farm during the year.

## Racial Group Breakdown (Working Youth Only)

Farms operated by Native Americans had the highest incidence of injury among **working** youth, at 7.9 injuries per 1,000 **working** youth. Farms with Asian operators had the lowest occurrence of injury to **working** youth, with 2.4 injuries per 1,000 **working** youth.

Farms operated by Native Americans had the highest average of **working** youth per farm at 1.2, and the highest average of injury per 1,000 farms at 9.2. In contrast, "Black-operated" farms had the lowest average of **working** youth per farm at 0.5, with "Asian-operated" farms having the lowest average of injury per 1,000 farms at 1.5.

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NIOSH, an agency of the Centers for Disease Control and Prevention, sponsored this survey to determine the frequency, incidence rate and characteristics of childhood injuries occurring on minority-operated farms in the United States. A prior study was conducted in 1998 assessing childhood injuries occurring in the general farm population in the U.S. The survey was conducted as part of the NIOSH Childhood Agricultural Injury Prevention Initiative. For further information, contact John Meyers, NIOSH, at (304) 285-6005 or Mark Aitken, NASS, at (202) 720-9525.

**U.S. Agricultural-Related Injuries to Youth Under 20 Years Old  
On Minority-Operated Farms in 2000**

Minority Group <sup>1</sup>	Working & Non-Working Youth					
	Total Farms <sup>2</sup>	Total Population <sup>3</sup>	Total Youth per Farm	Total Injuries <sup>4</sup>	Injuries per 1,000 Youth	Injuries per 1,000 Farms
Asian	8,731	46,465	5.3	50	1.1	5.7
Black	18,451	147,573	8.0	102	0.7	5.5
Native American	10,638	127,947	12.0	266	2.1	25.0
Other	9,838	94,103	9.6	112	1.2	11.4
Total	47,658	416,088	8.7	530	1.3	11.1
Hispanic	27,717	287,870	10.4	366	1.3	13.2

Minority Group <sup>1</sup>	Working Youth Only				
	Population <sup>5</sup>	Working Youth per Farm	Total Work Injuries	Injuries per 1,000 Youth	Injuries per 1,000 Farms
Asian	5,315	0.6	13	2.4	1.5
Black	8,693	0.5	43	4.9	2.3
Native American	12,359	1.2	98	7.9	9.2
Other	8,158	0.8	46	5.6	4.7
Total	34,525	0.7	200	5.8	4.2
Hispanic	22,850	0.8	140	6.1	5.1

<sup>1</sup> Operators of "Hispanic" descent could also have potentially been reported under any of the listed racial groups.

<sup>2</sup> "Number of Farms" operated by individuals in the listed Minority Group, based on the 1997 Census of Agriculture.

<sup>3</sup> Total youth population on minority-operated farms, including hired youth, visitors and relatives, whether Working or Non-Working.

<sup>4</sup> Includes Work-Related and Non-Work-Related injuries.

<sup>5</sup> Total Working Youth on minority-operated farms, including relatives.

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