

Tracking the Tragic:

U.S. Ag Injury and Fatality News Clippings

Midwest Injury Prevention Alliance Summit November 9, 2015

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Objectives



- Discuss child ag injury/fatality incidence and injury agents
- Preview news clippings ag injury website
- Explore potential uses of ag injury website
- Discuss incidents from website, including prevention strategies.
- Review safety resources available to help prevent child ag illnesses, injuries and fatalities.

Why Child Ag Safety?



Approximately 2.2 million farms in the U.S.

- More than 955,400 youth live on farms (Almost half work on farms)
- ~258,800 non-resident youth work on farms

~30 million children visit farms each year

What We Know - Fatalities



About every three days, a child dies in an ag-related incident

- Leading sources:
 - 25% machinery
 - 17% motor vehicles
 - 16% drowning

- Working youth
 - Vehicles and machinery

What We Know - Injuries



Every day - ~38 children are injured in an agrelated incident

- Falls
- Animals
- Vehicles

May be underestimated due to underreporting

- Culture
- No doctor visit
- Not documented as a farm injury

Non-Working Children



Nearly 75% of child ag fatalities:

- Run-over as a bystander
- Run-over as an extra rider, fell from tractor
- Drowning

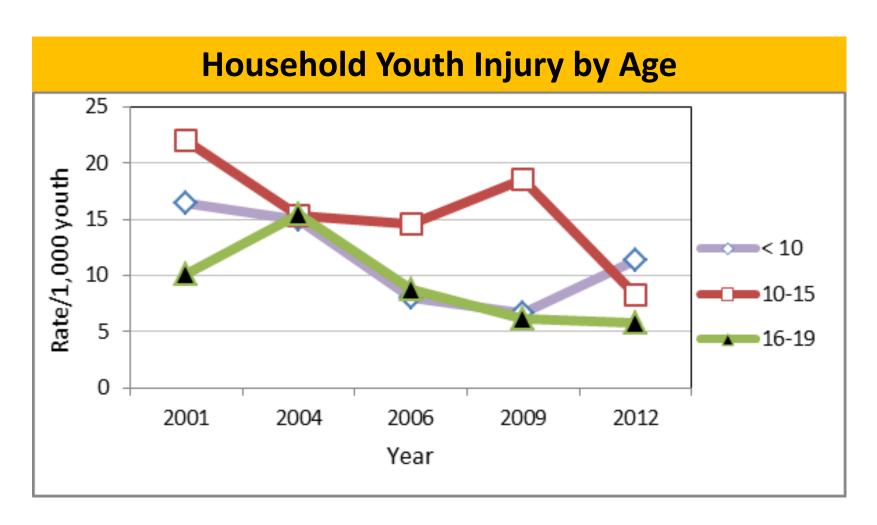
Hospitalized Injuries

- Fall from heights
- Machinery entanglement
- Animals

Source: <u>cultivatesafety.org</u>

Injury Trends





Source: 2014 Childhood Agricultural Injury Fact Sheet:

http://www3.marshfieldclinic.org/proxy/MCRF-Centers-NFMC-NCCRAHS-2014 Child Ag Injury FactSheet.1.pdf

Or Think We Know



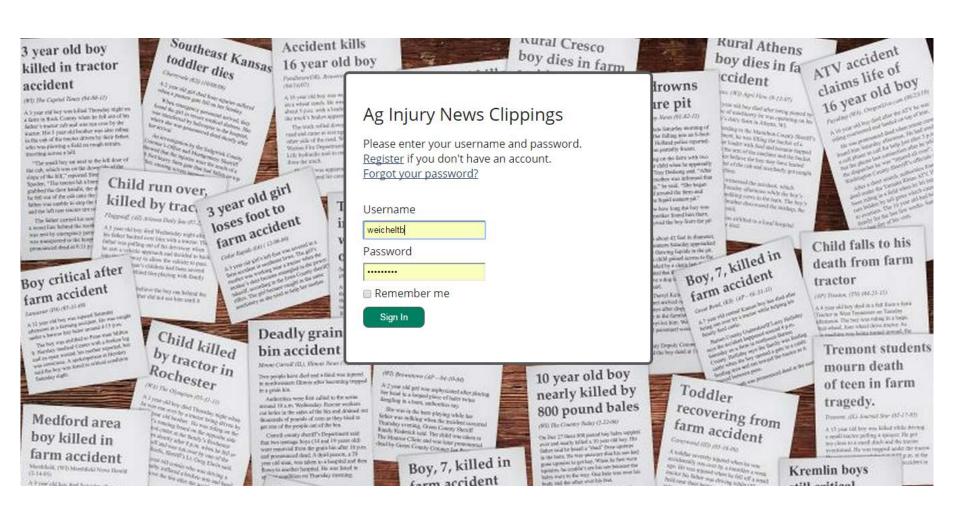
Weaknesses in the data

- No central database for child ag injuries/fatalities
- Few mandatory reporting requirements
- Data "pieced together" from various data sources (disjointed)
- Site of the incident may not be reported as "farm" or "ranch"

News Clippings Database



(AgInjuryNews.org)



News Clippings Database



(www.AgInjuryNews.org)

The database is populated using multiple sources including:

- Colleagues
- Google Alerts
- Meltwater subscription

AgInjuryNews.org contains

- 1485 unique incidents
- ~2000 total articles
- 649 involve children <18
- 468 fatalities involving children







News Clippings Database)



We wanted to create a website that can:

- Store
- Search
- Report news clippings

It was made clear from the start of this project that this collection would **not** be a comprehensive source of official statistics on injury/fatality events



Question



What do you see as potential uses for this website?

- Presentations
- Publications
- Research
- Trends
- Media
 - Background info
 - Similar incidents

Origin of "Myths"



Farming culture and traditions

Farmers worried about "next generation"

- Anxiety is not unfounded
- Issues related to economics

Digital media & social media

MYTH: Children riding on tractors is necessary to get them interested in farming at a young age

HAZARD: Tractors are responsible for 41% of the accidental farm deaths of children under 15, yet 4 out of 5 farm children regularly ride tractors with family members.

Tractor Incidents



Filter Options Keywords Search > Incident Year Injury Agent Animal ■ ATV/UTV Brush hog/mower Car/Truck/SUV Combine Drowning/Suffocation Farm Equipment Skid Steer Structures/Surfaces ✓ Tractor Other > Victim Age Gender > Fatal/Non-fatal Include Related Articles

Clear

Search

Search Results



[Export]

Filtered by Tractor , 0-6 yrs , 7-9 yrs , 10-12 yrs , 13-15 yrs , 16-17 yrs

1 - 10 of 101 results

1 2 3 4 ...

Teen recovering at home after lifethreating (4363)

7/13/2015 - Belle Fourche, SD

A Newell teen is at home recovering from a tractor accident nearly claimed his life. At approximately 9:30 a.m. on July 13, Dylan Wilbur, 15, was run over by the tractor he was using to bale hay...

Twelve year old injured in Taylor Co., KY tractor accident (4364)

7/7/2015 - Taylor County, KY

A 12 year old resident of Joe Kerr Road, Campbellsville, KY, was treated at the scene by Taylor County EMS. He was transported by Air Evac from the scene of an accident to Kosair Children's Hospi...

Tragedy strikes Wayne County farm (2956)

7/5/2015 - Canadaigua, NY

An accident on a dairy farm in Wayne County early Sunday evening took the life of a 5-year-old boy who was killed after being struck by a tractor that was operated by his mother. The accident too...

Teen killed after tractor rolls off bridge into canal (2913)

6/24/2015 - St. Helena Parish, LA

Officials with the St. Helena Parish Sheriff's Office say a 17-year-old male from Amite was killed after a tractor rolled off of a bridge on top of him. Deputies say Zachary R. Henry was cutting g...

Tractor Incident



What happened?

What questions do you have?

Could this have been prevented?



HAZARD: Cabs can provide a false sense of security, as they do <u>not</u> guarantee the safety of extra riders.



Cab Incidents





Filter Options Keywords cab > Incident Year * Injury Agent Animal ATV/UTV Brush hog/mower Car/Truck/SUV Combine Drowning/Suffocation Farm Equipment Skid Steer Structures/Surfaces Tractor Other Victim Age Not reported

Search Results



[Export]

Filtered by 'cab', Tractor, 0-6 yrs, 7-9 yrs, 10-12 yrs, 13-15 yrs, 16-17 yrs

1 - 10 of 14 results

1 2



5 People Riding in Tractor Cab When Crash Killed Teen (245)

4/23/2014 - Newberry Township, OH

40-year fire department veteran says scene one of worst he's witnessed. Miami County — Sheriff's detectives worked Thursday to learn more about what led an agricultural tractor pulling a trailer t...

Child Dies in Sargent County Farm Accident (174)

7/17/2013 - Cayuga, ND

Updated Story 7/18: A North Dakota community is mourning following a farming accident that took the life of a toddler. Valley News Team's Kristi Larson talked to the community Thursday about the ...

7-Year-Old Breaks Foot in Tractor Accident (321)

6/6/2013 - Macon County, TN

On June 6, 7-year-old Ty Swindle stepped into the path of a rolling tractor. His foot was run over, and broken in

Cab Incident



What happened?

What questions do you have?

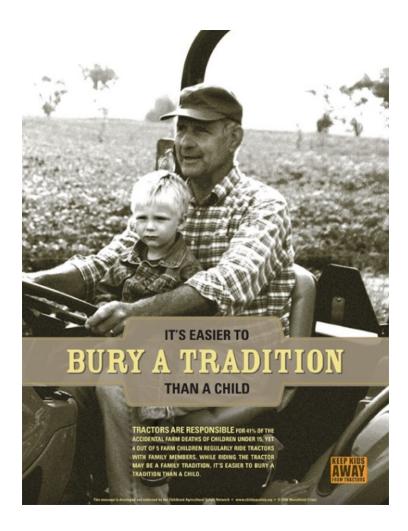
Could this have been prevented?

Child Ag Safety Network

National Children's Center for Rural and Agricultural Health and Safety

(CASN)Campaigns

www.childagsafety.org





MYTH: Farm kids are stronger, faster and smarter than urban youth, and are fully capable of performing farm chores typically done by adults.

HAZARD: Teens characteristics often affect their ability to perform farm work safely, especially the hazardous work done by adults.

Child work myth



Teen Characteristics:

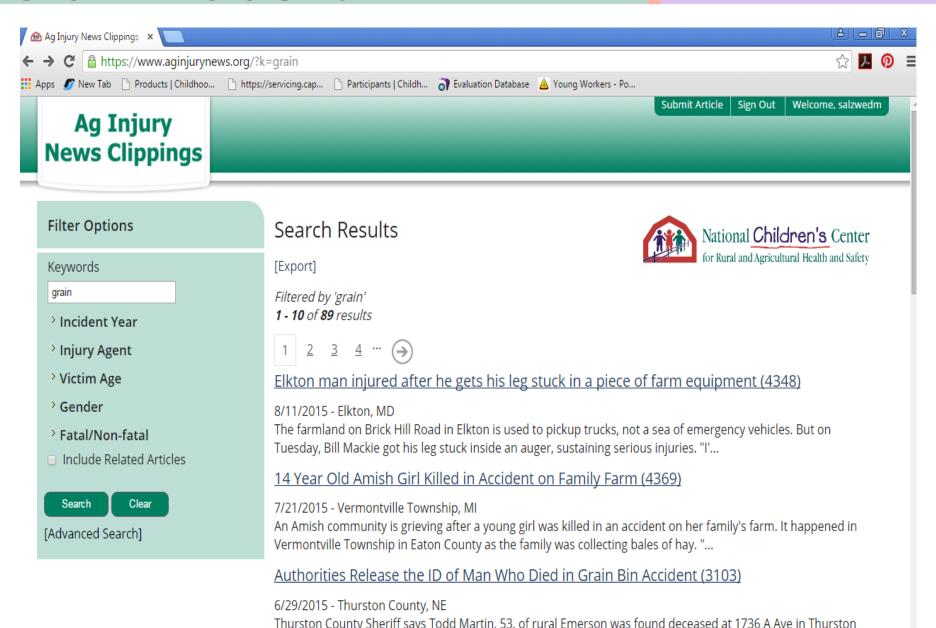
- Risk taking attitude
- Cognitively not mature enough
- Reluctant to ask questions
- Drive to prove themselves
- Enthusiasm may outweigh judgement

Other Factors:

- Laws/regulations
- Lack of experience

Grain Incident





Grain Incident



What happened?

What questions do you have?

Could this have been prevented?

Grain



Youth/children working (or playing) around grain

- Hazardous work/environment
 - Even for adults
 - Often deadly for child/youth
- Fatalities
 - Engulfment in grain bins
 - Wagon and cart incidents
 - Augers
- See with both working and non-working youth

Grain Safety for Youth



Visit http://grainsafety.org/young-workers/



Age-Appropriate Tasks



Whatever the job

- make sure work is appropriate for age

Picking rock

Adult responsibilities

ADULTS NEED TO MAKE SURE:

- Child has safe transport to the field
- · Child wears long sleeved shirt, long pants, wide brimmed hat, sunglasses and sunscreen
- · Child has at least one ten-minute break every hour
- . Child drinks a quart of fluids every hour

Can your child do this job?

Main Hazards







Can the child bend and lift safely? (See "Bending"/"Lifting")

☐ No. STOP! Children must be able to bend and lift correctly to do this job safely.

Is the child going through a growth spurt? For example, is he or she clumsy or frequently changing clothing size?

Yes. STOP! Children in periods of rapid growth become less flexible, increasing the chance of muscle strain and injury to back and joints.

Π No.

Do the rocks the child will carry weigh less than 10-15% of his or her body weight?

☐ No. STOP! Children lifting more than 15% of their body weight are more likely to injure their backs.

Does the child have to carry the rocks

For example, while looking straight ahead, can the child see your finger entering his

☐ No. STOP! Children with limited

vision may not see people or obstacles in the work area.

Does the child have at least a 15-20 minute attention span? For example, can the child play a board game for 20 minutes?

☐ No. STOP! Children working beyond their attention span are easily distracted and more likely to be injured.

Does the child do things that seem dangerous for the thrill of it?

☐ Yes.
☐ CAUTION! Children who take risks or behave dangerously are more likely to be injured.

Rem

Does the child usually go with his or her

Tractor operation

CHILDREN SHOULD ONLY OPERATE WIDE-FRONT TRACTORS EQUIPPED WITH ROPS AND

SEATBELTS. An adult should ensure that the child can reach all controls while



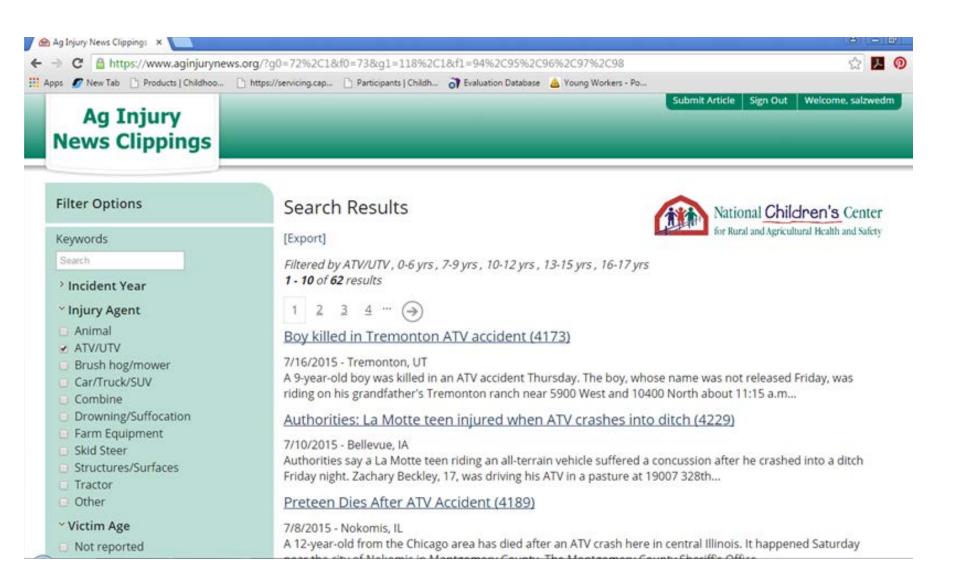
wearing a seatbelt, that a pre-operations service check has been completed, and that no extra riders are allowed on the tractor. This guideline assumes that the child will be operating the tractor in day light, under dry conditions, while not on a steep slope

and with reasonable distance from ditches, trees and fences.

	Refer to the specific guideline	Size of	tractor		
	for recommended supervision	LAWN & GARDEN less than 20hp	SMALL 20hp to 70hp	MEDIUM/LARGE more than 70hp	ARTICULATED
Increased complexity of	OPERATING A FARM TRACTOR (no equipment attached)	14- 15 years	14-15 years	14-15 years	16+ years
	TRAILED IMPLEMENTS fieldwork	14- 15 years	14- 15 years	14-15 years	16+ years
	3-POINT IMPLEMENTS fieldwork	14- 15 years	14-15 years	14-15 years	16+ years
	REMOTE HYDRAULICS fieldwork	14-15 years	14-15 years	14-15 years	16+ years
	PTO-POWERED IMPLEMENTS fieldwork	14-15 years	14-15 years	14-15 years	16+ years
	TRACTOR-MOUNTED FRONT-END LOADER	14-15 years	16+ years	16+ years	16+ years
	WORKING IN ANORCHARD	14-15 years	16+ years	16+ years	16+ years
용	WORKING INSIDE BUILDINGS	14-15 years	16+ years	16+ years	16+ years
	DRIVING ON PUBLIC ROADS *	N/A	16+ years	16+ years	16+ years

ATV Incidents





ATV Incident



What happened?

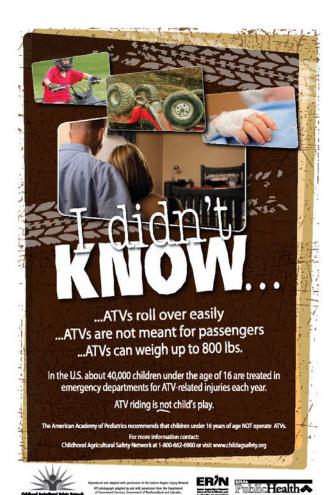
What questions do you have?

Could this have been prevented?

ATV Safety

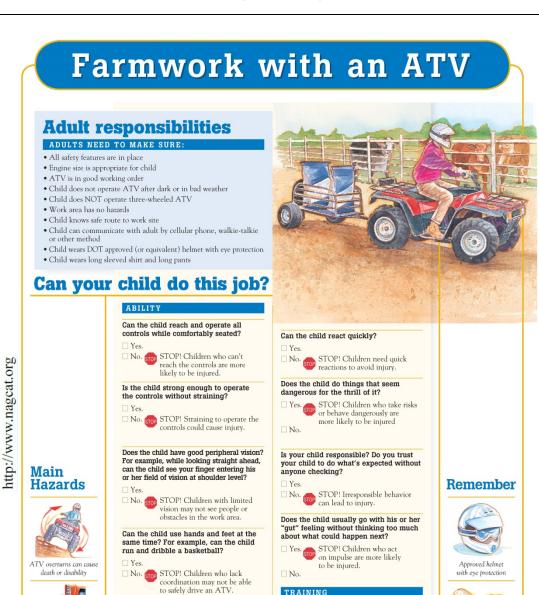
National Children's Center for Rural and Agricultural Health and Safety

(CASN)Campaign: www.childagsafety.org



NAGCAT: www.nagcat.org

Can the child understand and repeat



Has an adult demonstrated farmwork

Agritourism Incidents





Filter Options Search Results Keywords [Export] hayride 1 - 10 of 13 results > Incident Year Article Source > Publication Month > Publication Year 10/31/2014 - Walker, LA > Incident State Grain Involved > Injury Agent 10/11/2014 - Mechanic Falls, ME → Victim Age Not reported Hayride accident (2666) 10-12 yrs 13-15 yrs 16-17 yrs ✓ 18 yrs and older Gender 10/20/2012 - Carlinville, IL > Working/Not Working

> Fatal/Non-fatal



Filtered by 'hayride', 0-6 yrs, 7-9 yrs, 10-12 yrs, 13-15 yrs, 16-17 yrs, 18 yrs and older

12 injured as vehicle rear-ends hayride trailer (2707)

A dozen people were injured Friday in a wreck during a Halloween hayride. Louisiana State Police a Mazda CX-6 SUV ran into the back of a trailer being used in the hayride along LA 1024 in Livingst...

1 DEAD, 22 INJURED WHEN MAINE HAYRIDE FLIPS (2689)

A Halloween-themed hay ride careened down a hill in the Maine woods and crashed into a tree, fatally injuring a teenage girl and leaving more than 20 other people hurt, police said Sunday. A 17-ye...

10/11/2013 - Dekalb County, AL

Last night around 7:15 a man driving down county road 568 in DeKalb County hit a hayride carrying 20 teens. Five were sent to the hospital and one 13 year old girl was airlifted to UAB Hospital. A...

Fatal Hayride Accident (4329)

A 26-year-old Carinville man is dead following what the Calhoun County Sheriff is calling a freak accident during a hay ride. Sheriff bill Heffington says Matthew W. Weyen of the 17,900 block of Rid...

Role player airlifted after freak haunted havride accident (2727).

Hayride Incident



What happened?

What questions do you have?

Could this have been prevented?

Agritourism



Increasing number of agritourism operations

42% increase from 2007-2012*

Hazards

- More activities add more hazards
- Visitors unfamiliar with farms
- More people visiting
- Added distractions

Safety Resources www.safeagritourism.com

Resources & Materials





Child Care & Safe Play

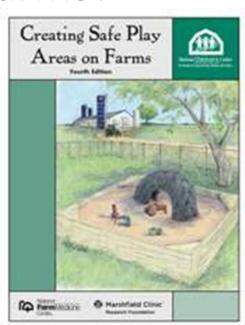


Talked about children

- Working on farms (driving tractors, grain, working with ATVs, etc.)
- Visiting farms (agritourism)

What about children living on farms?

- Child care
- Safe Play areas



Summary



Children live, work and visit farms/ranches &

There are lots of hazards

We need to all work together to help keep them safe!



Questions?

Thank you!



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Connect with us! 1-800-662-6900 nccrahs@mcrf.mfldclin.edu









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