

**TABLE. Horse-Related Injury Event Rates per 1,000 Persons/Year among Agricultural Household Members:
Regional Rural Injury Study – II**

Exposure	Population/ Household Members Exposed	Agricultural: Own Operation Injury			Agricultural: Another Operation Injury			Non- Agricultural Operation Related Injury			Total Injury		
		N	Rate	95 % CI	N	Rate	95 % CI	N	Rate	95 % CI	N	Rate	95 % CI
State of residence													
	32601	162	(5.0)	4.2, 5.9	20	(0.6)	0.4, 1.0	33	(1.1)	0.7, 1.6	215	(6.7)	5.7, 7.8
MN	6539	27	(4.1)	2.7, 6.4	2	(0.3)	0.1, 1.2	8	(1.6)	0.7, 3.8	37	(6.1)	4.1, 8.8
NE	6751	32	(4.7)	3.3, 6.7	6	(0.9)	0.4, 2.0	6	(0.8)	0.3, 2.7	44	(6.4)	4.6, 9.0
ND	6258	38	(6.2)	4.3, 9.0	2	(0.4)	0.1, 1.4	7	(1.1)	0.4, 2.9	47	(7.7)	5.5, 10.8
SD	7366	51	(6.9)	5.2, 9.1	9	(1.3)	0.6, 2.8	9	(1.2)	0.6, 2.3	69	(9.4)	7.2, 12.3
WI	5687	14	(2.5)	1.4, 4.4	1	(0.2)	0.0, 1.4	3	(0.6)	0.2, 1.8	18	(3.3)	2.0, 5.3
Males													
Total	16835	75	(4.4)	3.4, 5.6	12	(0.7)	0.4, 1.3	17	(1.0)	0.5, 1.7	104	(6.1)	4.9, 7.6
Age 0-19	8615	15	(1.8)	1.0, 3.0	2	(0.2)	0.1, 1.0	14	(1.6)	0.8, 3.0	31	(3.6)	2.3, 5.6
Ages 20+	8197	60	(7.1)	5.5, 9.4	10	(1.2)	0.6, 2.2	3	(0.3)	0.1, 1.1	73	(8.7)	6.8, 11.1
Females													
Total	15762	87	(5.6)	4.5, 7.0	8	(0.5)	0.3, 1.1	16	(1.2)	0.7, 2.1	111	(7.3)	6.0, 9.0
Age 0-19	7927	38	(4.9)	3.4, 7.0	5	(0.7)	0.3, 1.7	15	(2.3)	1.2, 4.2	58	(7.9)	5.9, 10.5
Ages 20+	7810	49	(6.3)	4.7, 8.4	3	(0.4)	(0.1, 1.3	1	(0.1)	0.0, 0.9	53	(6.8)	5.2, 9.0
Age group (years)													
0-4	2301	1	(0.9)	0.1, 5.8	0	(0.0)	0.0, 0.0	0	(0.0)	0.0, 0.0	1	(0.9)	0.1, 5.8
5-9	3634	9	(2.4)	1.3, 4.6	2	(0.5)	0.1, 2.3	5	(2.0)	0.7, 5.6	16	(5.0)	3.0, 8.6
10-14	5056	24	(4.7)	3.0, 7.4	3	(0.7)	0.2, 2.0	7	(1.4)	0.6, 3.2	34	(6.7)	4.6, 9.8
15-19	5551	19	(3.5)	2.1, 5.6	2	(0.4)	0.1, 1.6	17	(3.1)	1.7, 5.6	38	(7.0)	4.7, 10.4
20-24	1232	5	(4.2)	1.8, 10.2	1	(1.1)	0.2, 7.1	3	(2.5)	0.8, 7.7	9	(7.8)	4.0, 14.9
25-34	2153	12	(5.3)	3.0, 9.2	1	(0.4)	0.1, 3.2	0	(0.0)	0.0, 0.0	13	(5.8)	3.4, 9.8
35-44	7160	58	(8.0)	6.1, 10.5	6	(0.9)	0.4, 1.9	1	(0.1)	0.0, 0.9	65	(9.0)	6.9, 11.7
45-54	4629	28	(5.9)	4.0, 8.7	4	(0.8)	0.3, 2.1	0	(0.0)	0.0, 0.0	32	(6.7)	4.7, 9.6
55+	833	6	(7.0)	2.8, 17.7	1	(1.3)	0.2, 7.8	0	(0.0)	0.0, 0.0	7	(8.2)	3.2, 20.7
Race													
Caucasian	32185	156	(4.9)	4.1, 5.8	20	(0.6)	0.4, 1.0	32	(1.1)	0.7, 1.6	208	(6.6)	5.6, 7.7
Non-Caucasian	360	6	(16.4)	6.6, 40.3	0	(0.0)	0.0, 0.0	1	(3.2)	0.4, 23.0	7	(19.6)	8.7, 44.1

Educational status

Incomplete (Age<20)	16542	53	(3.3)	2.4, 4.4	7	(0.5)	0.2, 1.1	29	(1.9)	1.2, 3.0	89	(5.6)	4.4, 7.2
Adults - Less than high school graduate	494	7	(14.7)	7.0, 30.8	1	(2.3)	0.4, 14.8	0	(0.0)	0.0, 0.0	8	(16.9)	8.4, 33.8
High school graduate or equivalency	5962	39	(6.3)	4.5, 8.7	4	(0.7)	(0.3,1.7	0	(0.0)	0.0, 0.0	43	(7.0)	5.1, 9.5
Technical school or some college	5832	42	(7.2)	5.2, 10.0	6	(1.0)	0.5, 2.3	3	(0.5)	0.1, 1.5	51	(8.7)	6.4, 11.8
College graduate/ post graduate	3692	21	(5.7)	3.6, 8.9	2	(0.5)	0.1, 1.9	1	(0.3)	0.0, 1.8	24	(6.5)	4.3, 9.8

Marital status

Pre-marital status (by law, <16)	12187	34	(2.8)	2.0, 4.1	5	(0.4)	0.2,1.1	14	(1.4)	0.7,2.6	53	(4.6)	3.4, 6.3
Married/living as married	14351	99	(6.8)	5.5, 8.3	12	(0.8)	0.5,1.4	1	(0.1)	0.0 ,0.5	112	(7.7)	6.3, 9.3
Never married	5632	26	(4.7)	3.1, 7.0	3	(0.6)	0.2,1.9	18	(3.2)	1.8, 5.6	47	(8.5)	6.1, 12.0
Separated/ divorced/ widowed	348	3	(9.2)	2.9, 29.5	0	(0.0)	0.0, 0.0	0	(0.0)	0.0, 0.0	3	(9.2)	2.9, 29.5

Hours worked on one's own operation/week

0	5918	1	(0.1)	0.0, 0.9	0	(0.0)	0.0, 0.0	1	(0.2)	0.0, 1.2	2	(0.3)	0.1, 1.2
>0-20	15060	75	(4.9)	3.9, 6.2	8	(0.6)	0.3, 1.1	23	(1.7)	1.0, 2.8	106	(7.1)	5.8, 8.8
>20-40	4479	34	(7.4)	5.2, 10.6	5	(1.2)	0.5, 2.9	7	(1.4)	0.7, 3.0	46	(10.1)	7.3, 13.9
>40-60	2693	22	(8.0)	5.0, 12.9	3	(0.9)	0.3, 3.1	1	(0.3)	0.0, 2.3	26	(9.3)	6.1, 14.3
>60-80	2322	19	(7.7)	4.8, 12.3	3	(1.3)	0.4, 4.0	0	(0.0)	0.0, 0.0	22	(9.0)	5.8, 13.9
>80	861	4	(4.5)	1.7, 11.8	0	(0.0)	0.0, 0.0	0	(0.0)	0.0, 0.0	4	(4.5)	1.7, 11.8

**Prior
farming/ranching
injury**

No	26025	75	(2.9)	2.3, 3.7	10	(0.4)	0.2, 0.8	22	(0.9)	0.6, 1.5	107	(4.3)	3.5, 5.3
Yes	6560	87	(12.9)	10.2, 16.4	10	(1.6)	0.8, 2.9	11	(1.6)	0.7, 3.6	108	(16.0)	12.8, 20.1
Insurance													
Yes, entire time (1 st 6 months)	30660	142	(4.6)	3.9, 5.5	17	(0.6)	0.3, 0.9	30	(1.0)	0.7, 1.6	189	(6.2)	5.3, 7.3
No, none of the time (1st 6 months)	1599	15	(9.2)	5.2, 16.4	1	(0.7)	0.1, 4.8	3	(2.1)	0.7, 6.4	19	(11.9)	7.3, 19.5