

**Central States Center for Agricultural Safety and Health
Surveillance Publications**

1. Adhikari S, Wilson F, Rautiainen R. (2024). Cost of agricultural injuries in the United States: Estimates based on surveillance, insurance, and government statistics. *American Journal of industrial Medicine*. 67(9):801-812. doi: 10.1002/ajim.23628. PMID: 38922747
2. Ahmed R, Du Y, Haynatzki G, Tucker S, Ramos AK, Rautiainen RH. (2024). Seasonal patterns of injury characteristics among farmers and ranchers in the US central states. *Journal of Agromedicine*. 29(4):653-664. (online 8/6/24). <https://doi.org/10.1080/1059924X.2024.2387645>
3. Bai H, Beseler C, Baccaglini L, Rautiainen R. (2023). Work-related stress as a risk factor for farm injuries in the Central United States. *Journal of Agricultural Safety and Health*, 29(1):1-13. doi: 10.13031/jash.14951
4. Beseler CL, Rautiainen RH. (2021). Assessing nonresponse bias in farm injury surveillance data. *Journal of Agricultural Safety & Health*. 27(4):215-227. doi: 10.13031/jash.145
5. Beseler CL, Rautiainen RH. Lack of Agreement between Safety Priorities and Practices in Agricultural Operators: A Challenge for Injury Prevention. *Safety*. 2022; 8(2):39. <https://doi.org/10.3390/safety8020039>
6. Beseler CL, Rautiainen RH. (2023). Injury, musculoskeletal symptoms, and stress as a function of aging in agricultural operators in the Central United States. *Workplace Health & Safety*. doi: 10.1177/21650799231186155 PMID: 37542380
7. Beseler CL, Rautiainen RH. Using machine learning to understand injuries in female agricultural operators in the Central US. (2025). *Safety*. 11(1):9. <https://doi.org/10.3390/safety11010009>
8. Chengane S, Beseler CL, Duysen EG, Rautiainen RH. (2021). Occupational stress among farm and ranch operators in the midwestern United States. *BMC Public Health*. 21:2076. doi: 10.1186/s12889-021-12053-4
9. Cramer M, Wendl M, Sayles H, Duysen E, Achutan C. (2017). Knowledge, attitudes, and practices for respiratory and hearing health among the midwestern farmers. *Public Health Nursing*. 34(4):348-358. doi: 10.1111/phn.12306
10. Dong J, Duysen EG, Du Y, Vogel C, Rautiainen RH. (2024). Factors associated with personal protective equipment usage rates in the Central States. *Journal of Agromedicine*. (online 9/30/24). doi.org/10.1080/1059924X.2024.2407983
11. Du Y, Baccaglini L, Johnson A, Puvvula J, Rautiainen RH. (2021). Factors associated with musculoskeletal discomfort in farmers and ranchers in the U.S. Central States. *Journal of Agromedicine*. 1-13. doi: 10.1080/1059924X.2021.1893880

12. Farfalla, Alexandra A.; Beseler, Cheryl; Achutan, Chandran; Rautiainen, Risto. (2022). Coexposure to Solvents and Noise as a Risk Factor for Hearing Loss in Agricultural Workers. *Journal of Occupational and Environmental Medicine*, Volume 64, Number 9, 11 September 2022, pp. 754-760(7). <https://doi.org/10.1097/JOM.0000000000002571>
13. Jadhav R, Achutan C, Haynatzki G, Rajaram S, Rautiainen R. (2015). Risk factors for agricultural injury: A systematic review and meta-analysis. *Journal of Agromedicine*. 20(4):434-449. doi: 10.1080/1059924X.2015.1075450.
14. Jadhav R, Achutan C, Haynatzki G, Rajaram S, Rautiainen R. (2016). Review and meta- analysis of emerging risk factors for agricultural injury. *Journal of Agromedicine*. 21(3):284-297. doi: 10.1080/1059924X.2016.1179611
15. Jadhav R, Achutan C, Haynatzki G, Rajaram S, Rautiainen R. (2017). Injury risk factors to farm and ranch operators in the Central United States. *American Journal of Industrial Medicine*. 60(10):889-899. doi: 10.1002/ajim.22757
16. Jadhav R, Lander L, Achutan C, Haynatzki G, Patel K. (2014). A systematic review of male gender, history of prior injury, full time working status and farm owner/operator status as risk factors for agricultural injuries. *Journal of Agromedicine*. 19(2). doi: 10.1080/1059924X.2014.891286
17. Jagadeesh Puvvula, Lorena Baccaglini, Anthony Johnson, Yi Du, Jesse E. Bell & Risto H. Rautiainen (2022) Prevalence and Risk Factors for Pulmonary Conditions among Farmers and Ranchers in the Central United States, *Journal of Agromedicine*, 27:4, 378-390, DOI: 10.1080/1059924X.2021.2025180
18. Lander L, Loomis D, Watanabe-Galloway S, Haynatzki G. (2016). 0354 Non-fatal agricultural injuries: Surveillances in the Midwestern United States. *Occupational and Environmental Medicine*. 6(71):A43-A43.
19. New-Aaron M, Semin J, Duysen EG, Madsen M, Musil K, Rautiainen RH. (2019). Comparison of agricultural injuries reported in the media and census of fatal occupational injuries. *Journal of Agromedicine*. 24(3):279-87.
20. Ouattara BS, Beseler CL, Rautiainen RH. (2023). Agricultural injuries: Risk factors and severity by affected body part among US (Midwest) farmers. *Journal of Agromedicine*, 28(2):214-223. <https://doi.org/10.1080/1059924X.2022.2089421> PMID: 35703065
21. Patel, K, Watanabe-Galloway, S, Gofin, R, Haynatzki, G, & Rautiainen, RH. (2017). Non- fatal agricultural injury surveillance in the United States: A review of national-level survey-based systems. *American Journal of Industrial Medicine*. 60(7): 599-620. doi: 10.1002/ajim.22720
22. Rautiainen, H, Thessen, G, Burgus, S, Funkenbush, K. (2011). Agricultural Injuries in Iowa and Missouri in 2009. Paper number 1110900, 2011 Louisville, Kentucky, August 7-10, 2011. (doi: 10.13031/2013.38493) @2011

23. Rautiainen, RH. (2021) Surveillance of Agriculture, Forestry, and Fishing Injury, Illness, and Economic Impacts, Journal of Agromedicine, 26:1, 59-61, DOI: [10.1080/1059924X.2021.1849508](https://doi.org/10.1080/1059924X.2021.1849508)
24. Rautiainen, RH. (2021). Surveillance of agriculture, forestry, and fishing injury, illness, and economic impacts. Journal of Agromedicine, doi: 10.1080/1059924X.2021.1849508
25. Tucker S, Du Y, Ahmed R, Haynatzki G, Adhikari S, Rautiainen RH. (2024). Dermal exposure to agrichemicals as a risk factor for skin cancer in farmers and ranchers in the US central states. American Journal of Industrial Medicine. (online 12/27/24) doi: 10.1002/ajim.23696 PMID: 39731212 PMCID: PMC11834943