

# Yue Cao

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## **EDUCATION**

May 2010                      PhD, Medical Sociology, University of Alabama at Birmingham, USA  
August 2011                      MSPH, Epidemiology, University of Alabama at Birmingham, USA  
July 2003                      BA, English, Nanjing Normal University, China

## **RESEARCH EXPERIENCE**

2021-                      Associate Professor, Department of Health Science and Research,  
Medical University of South Carolina  
2014-2021                      Assistant Professor, Department of Health Science and Research,  
Medical University of South Carolina  
2011-2014                      Research Associate, Department of Health Science and Research,  
Medical University of South Carolina  
2010-2011                      Postdoctoral Fellow, National Spinal Cord Injury Statistical Center

## **RESEARCH INTERESTS**

Economic and Social Impacts of Disability                      Health Behaviors and Health Disparities  
Epidemiology of Neurological Conditions                      Injury Rehabilitation Outcome Study

## **AWARDS AND HONORS**

2018    National Association of Rehabilitation Research and Training Centers (NARRTC)  
          Honorable Mentions for the Best Paper Award: Jillian M.R. Clark, Yue Cao, and James  
          Krause. (2017). Risk of pain medication misuse after spinal cord injury: The role of  
          substance use, personality and depression. *The Journal of Pain*, 18, 166-167.  
2016    Developing Scholar of the Year, College of Health Profession,  
          Medical University of South Carolina.  
2016    National Association of Rehabilitation Research and Training Centers (NARRTC)  
          Honorable Mentions for the Best Paper Award: Yue Cao, Elizabeth A. Walker, and

James S. Krause. (2015). Environmental barriers and subjective health among people with chronic spinal cord injury: A cohort study. *Journal Spinal Cord Medicine*, 38(4): 526-31.

- 2009 Charles Barkley Health Disparities Investigator 1st Place Award, Annual Health Disparities Research Symposium, Minority Health & Health Disparities Research Center.
- 2009 The DeVivo Mentored Research Award, National Spinal Cord Injury Statistical Center.
- 2009 Dean's Outstanding Graduate Student Research Award, School of Social and Behavior Sciences, University of Alabama at Birmingham.

### **SELECTED PUBLICATIONS**

- Cao, Y., DiPiro, N. D., & Krause, J. S. (2023).** Longitudinal changes in employment, health, participation, and quality-of-life and the relationships with long-term survival after spinal cord injury. *Spinal Cord*: Advance online publication. <https://doi.org/10.1038/s41393-023-00882-6>
- Cao, Y., DiPiro, N., & Krause, J. S. (2022)** Staying Pressure Injury Free: The Role of Modifiable Behavior. *Archives of Physical Medicine and Rehabilitation* 103: 2138–2144.
- Cao, Y., DiPiro, N., & Krause, J. S. (2022)** Rehospitalization during the first five years after the onset of traumatic spinal cord injury: A population-based study using administrative billing records. *Archives of Physical Medicine and Rehabilitation* 103: 1263–68.
- Cao, Y., DiPiro, N., Jarnecke, M. & Krause, J. S. (2022)** Social participation as a mediator of the relationships of socioeconomic factors and longevity after traumatic spinal cord injury. *Spinal Cord* 60: 799–804
- Cao, Y., DiPiro, N., & Krause, J. S. (2022)** The relationship between health behaviors and emergency department visits and hospitalizations after traumatic spinal cord injury. *Spinal Cord* 60:428-34
- Krause, J.S., Cao, Y., & DiPiro, N.D. (2022).** The relationship of secondary and chronic health conditions with emergency department visits and related hospitalizations among people with traumatic spinal cord injury. *Archives of Physical Medicine and Rehabilitation* 103: 2338-2344.
- Cao, Y., DiPiro, N., Field-Fote, E. & Krause, J. S. (2022).** Emergency department visits, related hospitalizations, and reasons for emergency department utilization after traumatic spinal cord injury. *Archives of Physical Medicine and Rehabilitation* 103: 722–728.
- Cao, Y., & Krause, J. S. (2021)** The association between secondary health conditions and indirect costs after spinal cord injury. *Spinal Cord* 59, 306–310.

- Cao, Y.,** DiPiro, N., Brotherton, S., & Krause, J. S. (2021). Assistive devices and future fall related injuries among ambulatory adults with spinal cord injury. *Spinal Cord* 59:747–752.
- Cao, Y.,** DiPiro, N., Li, C., Roesler, J., & Krause, J. S. (2020). Behavioral factors and unintentional injuries after spinal cord injury. *Archives of Physical Medicine and Rehabilitation* 101: 412-417 (Cover featured article in March 2020)
- Cao, Y.,** & Krause, J. S. (2020). Estimation of indirect costs based on employment and earnings changes after spinal cord injury: an observational study. *Spinal Cord* 58: 908–913.
- Gary, K.W., **Cao, Y.,** Burns, S. P., McDonald, S.D., & Krause, J. S. (2020). Employment, Health Outcomes, and Life Satisfaction after Spinal Cord Injury: Comparison of Veterans and Non-Veterans. *Spinal Cord* 5:3-8.
- Krause, J. S., **Cao, Y.,** & DiPiro, N. (2020). Psychological factors and risk of mortality after spinal cord injury. *Journal of Spinal Cord Medicine* 43: 667–675.
- Cao, Y.,** DiPiro, N., & Krause, J. S. (2019). Health factors and spinal cord injury: A prospective study of risk of cause specific mortality. *Spinal Cord* 57: 594-602.
- Cao, Y.,** Jarnecke M. & Krause, J.S. (2019). Health-related behaviors and multiple chronic health conditions among persons with traumatic spinal cord injury. *Spinal Cord* 57: 367-371. (Editor's Choice article)
- DiPiro, N., **Cao, Y.,** & Krause, J. S. (2019). A prospective study of health behaviors and risk of all-cause and cause-specific mortality after spinal cord injury. *Spinal Cord* 57: 933-941
- Cao, Y.,** Krause, J.S., & Clark, JMR. (2018). Changes in psychotropic prescription medication use and their relationship with mortality among people with traumatic spinal cord injury. *Spinal Cord* 56: 680-686.
- Krause, J. S., **Cao, Y.,** DiPiro, N. D., & Cuddy, E. (2018). Personality, high-risk behaviors, and elevated risk of unintentional deaths related to drug poisoning among individuals with spinal cord injury. *Archives of Physical Medicine and Rehabilitation* 99: 1941-1948.
- Davis, J., **Cao, Y.,** & Krause, J. S. (2018) Changes in alcohol use after the onset of spinal cord injury. *Journal of Spinal Cord Medicine* 41: 230-237
- Cao, Y.,** Li, C., Lucas, J., Charlifue, S., & Krause, J. S. (2017). Post-traumatic stress disorder after spinal cord injury. *Rehabilitation Psychology* 62: 178-185
- Krause J.S., **Cao, Y.,** & Clark, JMR. (2017). Pain intensity, interference, and medication use after spinal cord injury: relationship with risk of mortality after controlling for socioeconomic and other health factors. *Arch Phys Med Rehabil.* 98: 2464-70

- Cao, Y.**, L. Chao, A. Gregory, S. Charlifue, and J.S. Krause. (2017) Risk and protective factors for depressive symptomatology after spinal cord injury: A multi-center investigation of multiple racial-ethnic groups. *Journal of Spinal Cord Medicine* 40: 85-92.
- Clark, J.M.R., **Cao, Y.**, & Krause, J. S. (2017). Risk of pain medication misuse after spinal cord injury: The role of substance use, personality, and depression. *Journal of Pain* 18: 166-177.
- Krause, J. S., **Cao, Y.**, DeVivo, M. J., & DiPiro, N. D. (2016). Risk and protective factors for cause-specific mortality after spinal cord injury. *Archives of Physical Medicine and Rehabilitation* 97:1669-1678.
- Saunders, L. L., D. Murday, B. Corley, **Y. Cao**, and J. S. Krause. (2016) A Comparison of Rates of Hospitalization and Emergency Department Visits Using Self-report and Administrative Billing Data Among a Population-based Cohort with Spinal Cord Injury. *Archives of Physical Medicine and Rehabilitation* 97: 1481-1486.
- Li, C., N. DiPiro., **Y. Cao**, Y. Szlachic, and J. S. Krause. (2016). The association between metabolic syndrome and pressure ulcers among individuals living with spinal cord injury. *Spinal Cord* 54:967-972.
- Cao, Y.**, J.S. Krause, L.L. Saunders, and J. Clark. 2015. Impact of Marital Status on 20-Year Subjective Well-being Trajectories. *Topics in Spinal Cord Injury Rehabilitation* 21: 208-217.
- Cao, Y.**, E. Walker, and J.S. Krause. 2015. Environmental barriers and subjective health among people with chronic spinal cord injury: A cohort study. *Journal of Spinal Cord Medicine* 38: 526-531.
- Walker, E., **Y. Cao**, P. Edles, J. Acuna, C. Sligh-Conway, and J. S. Krause. 2015. Racial-ethnic variations in paid and unpaid caregiving: Findings among persons with traumatic spinal cord injury. *Disability and Health Journal* 8:527-34.
- Krause, J. S., **Y. Cao**, and L. L. Saunders. 2015. Changes in cigarette smoking after traumatic spinal cord injury. *Rehabilitation Psychology*. 60: 379-382.
- Krause, J.S., **Y. Cao**, J.M.R. Clark, J. Davis, and L. L. Saunders. 2015. Pre-injury cigarette smoking among those with spinal cord injury. *Rehabilitation Psychology*. 60: 322-327.
- Krause, J.S., J. Terza, **Y. Cao**, & J.M.R. Clark. 2015. Emergency room visits and hospitalizations among participants with spinal cord injury. *NeuroRehabilitation* 36: 313-21.
- Cao, Y.**, J. S. Krause, and N.D. DiPiro. 2014. Unmet expectations of adjustment and depressive symptoms among people with traumatic spinal cord injury. *Rehabilitation Psychology* 59: 313-20.

- Cao, Y.**, J.F. Massaro, J.S. Krause, Y. Chen, and M.J. DeVivo. 2014. Suicide Mortality after Spinal Cord Injury in the United States: Injury Cohorts Analysis. *Archives of Physical Medicine and Rehabilitation* 95: 230-5.
- Cao, Y.**, J.S. Krause, L.L. Saunders, and W. Bingham. 2014. Household Income and Subjective Well-being after Spinal Cord Injury: A Longitudinal Study. *Topics in Spinal Cord Injury Rehabilitation* 20: 40-7.
- Selassie, A., **Y. Cao**, C. Church, L.L. Saunders, and J.S. Krause. 2014. Accelerated death rate in population-based cohort of persons with traumatic brain injury. *Journal of Head Trauma Rehabilitation* 29: 197-266.
- Cao, Y.**, A. Selassie, and J.S. Krause. 2013. Risk of Death after Hospital Discharge with Traumatic Spinal Cord Injury: A Population-Based Analysis, 1998-2009. *Archives of Physical Medicine and Rehabilitation* 94:1054-61.
- Cao, Y.**, J.S. Krause, N. DiPiro. 2013. Risk Factors for Mortality after Spinal Cord Injury in the USA. *Spinal Cord* 51:413-8.
- Kiage, N., P. Merrill, C. Robinson, **Y. Cao**, T. Malik, B. Hundley, P. Lao, S. Judd, M. Cushman, V. Howard, and E. Kabagambe. 2013. Intake of Trans Fat and All-cause Mortality in the Reasons for Geographical and Racial Differences in Stroke (REGARDS) Cohort. *American Journal of Clinical Nutrition* 97: 1121-8.
- Krause, J.S., **Y. Cao**, J.L. Bozard. 2013. Changes in Hospitalization, Physician Visits, and Self-Reported Fitness after Spinal Cord Injury: A Cross-Sequential Analysis of Age, Years Since Injury, and Age at Injury Onset. *Archives of Physical Medicine & Rehabilitation* 94:32-7.
- Cao, Y.**, S.S. Hwang, and J. Xi. 2012. Project-induced displacement, secondary stressors, and health. *Social Science & Medicine* 74:1130-8.
- Chen, Y., and **Y. Cao**. 2012. Epidemiological Context and Concerns. In Paul Kennedy (ed.), *The Oxford Handbook of Rehabilitation Psychology*. New York: Oxford University Press.
- Cao, Y.**, Y. Chen, and M. J. DeVivo. 2011. Lifetime Direct Cost after Spinal Cord Injury. *Topics in Spinal Cord Injury Rehabilitation* 16: 10-6.
- Chen, Y., **Y. Cao**, V. Allen, and J.S. Richards. 2011. Weight Matter: Physical and Psychosocial Health of Persons with Spinal Cord Injury In Relation To Body Mass Index. *Archives of Physical Medicine Rehabilitation* 92: 391-8.
- Hwang, S. S., **Y. Cao**, and J. Xi. 2011. The Short-Term Impact of Involuntary Migration in China's Three Gorges: A Prospective Study. *Social Indicators Research* 101:73–92.

- Botticello, A., Y. Chen, **Y. Cao**, and D. Tulsy. 2011. Do Communities Matter to Rehabilitation Outcomes? An Investigation of the Effect of Community Socioeconomic and Urban Stratification on Health after Spinal Cord Injury. *Archives of Physical Medicine Rehabilitation* 92: 464-71.
- Xi, J., S. S. Hwang, and **Y. Cao**. 2010. Ecological Context and Immigrants' Earnings: English Ability as a Mediator. *Social Science Research* 39:652-61.
- Hwang, S. S., J. Xi, **Y. Cao**. 2010. The Conditional Relationship between English Language Proficiency and Earnings among U.S. Immigrants. *Ethnic and Racial Studies* 33: 1620-47.
- Hwang, S. S., J. Xi, **Y. Cao**, X. Feng, and X. Qiao. 2007. Anticipation of Migration and Psychological Stress and the Three Gorges Dam Project, China. *Social Science and Medicine* 65:1012-24.
- Xi, J., S. S. Hwang, X. Feng, X. Qiao, and **Y. Cao**. 2007. Perceived Costs and Benefits of the Three Gorges Project. *Sociological Perspectives* 50:323-37.

### **PRESENTATIONS AT PROFESSIONAL MEETINGS**

- Cao, Y.**, DiPiro, N.D., Jarnecke, M., & Krause, J.S. 2023. Social participation as a mediator of the relationships of socioeconomic factors and longevity after traumatic spinal cord injury. Oral presentation at the annual conference of the American Spinal Injury Association, Atlanta, GA: April 2023.
- Cao, Y.**, DiPiro, N.D., & Krause, J.S. 2023. Changes in employment, health, participation, and quality-of-life and the relationships with survival after spinal cord injury. Poster presentation at the annual conference of the American Spinal Injury Association, Atlanta, GA: April 2023.
- Krause, J.S., **Cao, Y.**, & Li, C. 2023. A five-year longitudinal structural equation model of social isolation and probable major depression among participants with spinal cord injury. Poster presentation at the annual conference of the National Association of Rehabilitation Research and Training Center, Arlington, VA: April 2023.
- Cao, Y.**, Krause, J.S., & DiPiro, N.D. 2023. The Interaction of Effects of Drinking and Psychoactive Medication Use on the Risk of Mortality after SCI. Oral presentation at the annual conference of the National Association of Rehabilitation Research and Training Center, Arlington, VA: April 2023
- Krause, J.S., Jarnecke, M. Li, C., & **Cao, Y.** 2022. Tools to identify individualized risk of unintentional injuries for people with spinal cord injury. Oral presentation at the annual conference of the Paralyzed Veterans of America Expo + Summit, Dallas, TX: August 2022.

- Cao, Y., & Krause, J. S.** 2021. Economic Costs of Traumatic Spinal Cord Injury—A Population Based Study. Presented at the annual scientific meeting of annual conference of the American Congress of Rehabilitation Medicine, Virtual: September 2021.
- Cao, Y., & Krause, J. S.** 2021. Estimation of Indirect Costs Based on the Employment and Earnings Changes after Spinal Cord Injury. Presented at the annual scientific meeting of the American Spinal Injury Association, St. Louis, MO: July 2021.
- Cao, Y., DiPiro, N., Field-Fote, E., & Krause, J. S.** 2021. Emergency department visits, related hospitalizations, and reasons for emergency department utilization after traumatic spinal cord injury. Presented at the annual scientific meeting of the American Spinal Injury Association, St. Louis, MO: July 2021.
- Cao, Y., DiPiro, N., & Krause, J. S.** 2021. Risk of accidental death due to unintentional injuries among those with spinal cord injury. Presented at the annual scientific meeting of the American Spinal Injury Association, St. Louis, MO: July 2021.
- Cao, Y., DiPiro, N., Li, C., Roesler, J., & Krause, J. S.** 2020. Behavioral Factors and Unintentional Injuries after Spinal Cord Injury. Presented at the annual scientific meeting of the American Spinal Injury Association, Virtual: October 2020.
- Cao, Y., Murday, D., Corley, E., DiPiro, N., & Krause, J. S.** 2020. Cost of hospitalizations during the first five years after the onset of spinal cord injury: A population-based study using billing records. Presented at the annual conference of the American Congress of Rehabilitation Medicine, Virtual: October 2020.
- Li, C., **Cao, Y., & Krause, J.S.** 2020. A 25-Year Cross-Sequential Analysis of Changes in Quality of Life after Spinal Cord Injury: Findings from the Spinal Cord Injury Longitudinal Aging Study. Presented at the annual conference of the American Congress of Rehabilitation Medicine, Virtual: October 2020.
- Li, C., **Cao, Y., & Krause, J. S.** 2020. Web-based Calculators to Identify Individualized Risk of Unintentional Injuries for People with Spinal Cord Injury. Presented at the annual conference of the American Congress of Rehabilitation Medicine, Virtual: October 2020. (ACRM Spinal Cord Injury ISIG Best Poster)
- Cao, Y., Li, C., & Krause, J.S.** The association between chronic health conditions and secondary health conditions after TSCI. Oral presentation at the annual conference of the Academy of Spinal Cord Injury Professionals, Nashville, TN: September 2019.
- Li, C., Krause, J.S., & **Cao, Y.** Trends in non-routine physician visits and hospitalizations: Findings among 5 cohorts from the Spinal Cord Injury Longitudinal Aging Study. Oral presentation at the annual conference of the Academy of Spinal Cord Injury Professionals, Nashville, TN: September 2019.

- Cao, Y.**, Krause, J.S., Li, C. Prediction of cause specific mortality after spinal cord injury. Oral presentation at the annual conference of the National Association of Rehabilitation Research and Training Center, Arlington, VA: April 2019.
- Cao, Y.** & Krause, J.S. Lifetime prevalence comparison of chronic health conditions between spinal cord injury cohorts and the general population. Presented at the annual conference of the American Spinal Injury Association, Rochester, MN: May 2018.
- Cao, Y.** & Krause, J.S. Multiple Chronic Conditions and Health Related Behaviors among Persons with Spinal Cord Injury. Presented at the annual conference of the American Spinal Injury Association, Rochester, MN: May 2018.
- Krause, J.S., **Cao, Y.**, & DiPiro, N. Personality, high-risk behaviors, and the elevated risk of unintentional deaths related to drug poisoning among those with spinal cord injury. Presented at the annual conference of the American Spinal Injury Association, Rochester, MN: May 2018.
- Krause, J.S., **Cao, Y.**, Jarnecke, M. Barriers to employment among those with spinal cord dysfunction: A comparison of participants with SCI and MS. Presented at the annual conference of the American Spinal Injury Association, Rochester, MN: May 2018.
- Clark, J. M. R., **Cao, Y.**, & Krause, J. S. Risk of pain medication misuse after spinal cord injury: The role of substance use, personality, and depression. Best Paper Award Nominee at the annual conference of the National Association of Rehabilitation Research and Training Center, Arlington, VA: March 2018.
- Cao, Y.** & Krause, J.S. 2017. Medication usage changes and all-cause mortality after spinal cord injury. Presented at the annual conference of the American Congress of Rehabilitation Medicine, Atlanta, GA.
- Cao, Y.**, Krause, J.S., & Clark, J.M.R. 2017. The Impacts of Pain Experiences and Pain Medication Use on the Risk of Mortality after SCI. Presented at the annual conference of the National Association of Rehabilitation Research and Training Center, Alexandria, VA.
- Cao, Y.**, Clark, J.M.R., & Krause, J.S. 2017. Pain intensity, interference, and medication use after SCI: relationship with mortality. Presented at the annual conference of the American Spinal Cord Injury Association, Albuquerque, NM.
- Cao, Y.**, Walker, E. A., & Krause, J.S. 2016. "Environmental barriers and subjective health among people with chronic spinal cord injury: a cohort study" Presented at the annual conference of NARRTC, Alexandria, VA.
- Krause, J.S., **Cao, Y.**, & Newman, J. 2016. "The Natural Course of Aging after SCI among Those with Extraordinary Survival." Presented at the annual conference of ASIA, Philadelphia, PA.



- Krause, J.S., **Cao, Y.**, Clark, J. M. R., & Hudson, L. M. 2016. "Changes in Vocational Interests after the Onset of Spinal Cord Injury: A 10-year Longitudinal Study." Presented at the annual conference of ASIA, Philadelphia, PA.
- Cao, Y.**, Krause, J.S., & Saunders, L.L. 2015. "Neighborhood Disadvantage and Self-Reported Health after Spinal Cord Injury." Presented at the Academy of Spinal Cord Injury Professionals Annual Meeting, New Orleans, LA.
- Cao, Y.**, Krause, J.S., & Saunders, L.L. 2015. "Marital Status' Impacts on 20-Year Life Situation Trajectories." Presented at the Academy of Spinal Cord Injury Professionals Annual Meeting, New Orleans, LA.
- Chen, Y., **Cao, Y.**, & Botticello, A. L. 2015. "Environment Matters: Contribution of Geographic Data to Understanding Spinal Cord Injury Incidence and Rehabilitation Outcomes." Presented at the annual conference of ASIA, Montreal, Canada.
- Cao, Y.** 2014. "Environmental Influence and Spinal Cord Injury: Understanding SCI Incidence and Health Outcomes by using Census Data." Presented at the annual conference of American Congress of Rehabilitation Medicine, Toronto, Canada.
- Cao, Y.**, & Krause, J.S. 2014. "Emergency room visits and related hospitalizations among those with chronic spinal cord injury." Presented at the 53<sup>rd</sup> annual Scientific Meeting of the International Spinal Cord Society, Maastricht, Netherlands.
- Cao, Y.**, & Krause, J.S. 2014. "Environmental Barriers and Subjective Health among People with Chronic Spinal Cord Injury: A Cohort Study." Presented at the annual conference of the American Spinal Injury Association, San Antonio, TX.
- Saunders, L. L., Clarke, A., **Cao, Y.**, & Krause, J.S. 2014. "Chronic disease prevalence in a cohort of persons with spinal cord injury." Presented at the annual conference of NARRTC, Alexandria, VA.
- Krause, J.S., & **Cao, Y.** 2013 "Estimating life expectancy after SCI and TBI: Importance of economic factors." Presented at the International Symposium on Life Care Planning, Atlanta, GA.
- Cao, Y.** 2013. "Secondary Conditions and Mortality after TSCI—Longitudinal Analyses." Presented at 2013 ASIA State of Science Pre Conference, Chicago, IL.
- Cao, Y.** 2013. "Risk of Death after Hospital Discharge with Traumatic Spinal Cord Injury in South Carolina, 1998 – 2009." Presented at 2013 Spinal Cord Injury Scientific Conference, Charleston, SC.
- Saunders, L.L., Krause, J.S., Saladin, M. E., Carpenter, M. J. & **Cao, Y.** 2013. "Cigarette Smoking in Adults with Spinal Cord Injury." Presented at The National Association of Rehabilitation Research Training Centers 2013 Annual Meeting, Alexandria, VA.

- Krause, J.S., Dismuke L., Acuna, J., Sligh-Conway, C., Washington, K., Reed, K. S. & **Cao, Y.** 2013. "Race, Ethnicity, and Poverty after Spinal Cord Injury." Presented at The National Association of Rehabilitation Research Training Centers 2013 Annual Meeting, Alexandria, VA.
- Cao, Y.**, Krause, J.S., & DiPiro, N. 2012. "Unmet Expectations of Adjustment and Depressive Symptoms among People with Spinal Cord Injury." Presented at the Academy of Spinal Cord Injury Professionals Annual Meeting, Las Vegas, NV.
- Krause, J.S., **Cao, Y.**, Harrison-Felix, C., Saunders, L.L., & Whiteneck, G. 2012. "Mortality and life expectancy after traumatic brain injury: The influence of demographic, etiology, discharge disability, and socio-environmental factors." Presented at the 10th annual conference of the North American Brain Injury Society, Miami, FL.
- Cao, Y.**, & Krause, J.S. 2012. "Unmet Expectations of Adjustment and Life Satisfaction among People with Spinal Cord Injury." Presented at the Paralyzed Veterans of America's Summit 2012, Las Vegas, NV.
- Saunders, L.L., Krause, J.S., & Selassie, A., and **Cao, Y.** 2012. "Healthcare access after spinal cord injury and traumatic brain injury: A comparison with the general population." Presented at the National Association of Rehabilitation Research Training Centers 2012 Annual Meeting, Alexandria, VA.
- Saunders, L.L., Krause, J.S., & Acuna, J., and **Cao, Y.** 2012. "Association of race, socioeconomic status, and health care access with pressure ulcers after SCI." Presented at the National Association of Rehabilitation Research Training Centers 2012 Annual Meeting, Alexandria, VA.
- Cao, Y.**, Y. Chen, and M. J. DeVivo. 2011. "The Trends of Suicide Mortality Rates after Spinal Cord Injury." Presented at the ACRM-ASNR Annual Conference, Atlanta.
- Cao, Y.** 2011. "Education Matters for People with Spinal Cord Injury." Presented at Grand Rounds of Department of Physical Medicine and Rehabilitation at UAB.
- Cao, Y.** and Y. Chen. 2010. "Cumulative Effect of Education over Time on Health after Spinal Cord Injury." Presented at American Public Health Association 2010 Annual Meeting, Denver.
- Chen Y., **Cao Y.**, Allen V., and Richards J.S. 2010. "Impact of underweight on physical and psychological health of persons with spinal cord injury." Presented at Annual Scientific Meeting of the American Spinal Injury Association, Nashville.
- Cao, Y.**, S.S. Hwang, and J. Xi. 2009. "Rural-Urban Structural Inequality and the Development-Induced Migration in China." Presented at Annual Meeting of the American Sociological Association, San Francisco.

Chen Y., **Y. Cao**, V. Allen, and J. S. Richards. 2009. "Weight matter: physical and psychosocial health of persons with spinal cord injury in relation to body mass index." Presented at International Spinal Cord Society Annual Scientific Meeting, Florence, Italy.

Xi, J., S. S. Hwang, and **Y. Cao**. 2009. "Ecological Context and Immigrants' Earnings: English Ability as a Mediator." Presented at Annual Meeting of the American Sociological Association, San Francisco.

Chen Y., **Y. Cao**, P. Klebine, K.A. Hubbert, V.W. Mark. 2009. "Home-based Intervention on Weight Control of Persons with Spinal Cord Injury." Presented at Annual Scientific Meeting of the American Spinal Injury Association, Dallas.

**Cao, Y.**, S.S. Hwang, and J. Xi. 2008. "Project-induced Migration, Secondary Stressors, and Health: A Panel Analysis of Migrants of the Three Gorges Dam Project, China." Presented at the annual meeting of the American Sociological Association, Boston.

Hwang, S.S., **Y. Cao**, and J. Xi. 2008. "The Short-Term Social, Economic, and Health Impact of China's Three Gorges Dam Project: A Prospective Study." Presented at the annual meeting of the American Sociological Association, Boston.

Hwang, S.S., **Y. Cao**, and J. Xi. 2007. "Project-induced Migration and Depression: A Panel Analysis." Presented at the annual meeting of the American Sociological Association, New York.

Hwang, S.S., J. Xi, and **Y. Cao**. 2007. "The Conditional Relationship between English Language Fluency and Earnings among U.S. Immigrants." Presented at the annual meeting of the American Sociological Association, New York.

Hwang, S.S., J. Xi, and **Y. Cao**. 2006. "Structural and Individual Covariates of English Language Proficiency." Presented at the annual meeting of the American Sociological Association, Montreal, Canada.

Hwang, S.S., Juan Xi, X. Feng, **Y. Cao**, and X. Qiao. 2006. "Anticipation of Migration and Psychological Stress." Presented at the International Symposium on Urbanization, Gender, and Public Health. Shanghai Academy of Social Sciences. Shanghai, China.

### **GRANT AWARDED**

Administration for Community Living (Grant # 90DPHF0009). "Risk of Opioid Use Disorder and Related Consequences: A Longitudinal Study of Spinal Cord Injury" (2020-2025).

\$2,499,432.

Role: Co-investigator.

Administration for Community Living (Grant # 90DPCP0009). "Aging and Participation after Spinal Cord Injury: Promoting Utilization to Enhance Community Outcomes" (2020-2025).

\$2,499,450.

Role: Co-investigator.

Administration for Community Living (Grant # 90IFRE0044). “Understanding and Promoting Longevity after Spinal Cord Injury: A Mixed Methods Study of Participation, Employment, and Quality of Life” (2020-2023). \$599,808.

Role: Co-investigator.

South Carolina Spinal Cord Injury Fund (Grant # SCIRF 2016 I-04) “The indirect costs of SCI in South Carolina due to lost earnings: Relationships with secondary health conditions and medical expenses” (2017-2020). \$142,973.

Role: Principal investigator.

Administration for Community Living (Grant # 90IF0070-02-02). “Prevalence of Chronic Disease after Spinal Cord Injury: A Longitudinal Study” (2014-2019). \$ 599,482.

Role: Principal investigator.

Administration for Community Living (Grant # 90DP0098). “A multidisciplinary approach to translating new knowledge into practice to promote health and well-being after spinal cord injury” (2016-2019), \$449,638.

Role: Co-director.

Administration for Community Living (Grant # 90IF0119). “Number, primary and secondary diagnoses, and costs of inpatient hospitalizations in a population-based cohort of people with spinal cord injury” (2016-2019), \$599,012.

Role: Co-investigator.

Administration for Community Living (Grant # 90IF0112). “Aging and spinal cord injury: A 45-year longitudinal study” (2016-2019), \$598,923.

Role: Co-investigator.

Administration for Community Living (Grant # 90SI5016). “Spinal Cord Injury Model Systems center grant, Shepherd Center, Atlanta, Georgia” (2016-2021), \$225,000.

Role: Co-investigator.

Administration for Community Living (Grant # H133G140048) “Risk of Early Mortality after Spinal Cord Injury” (2014-2017). \$ 600,000.

Role: Co-investigator

South Carolina Spinal Cord Injury Fund (Grant # SCIRF 11-006) “The Application of Medical Sociology to the Study of Health and Mortality after Spinal Cord Injury” (2011-2015). \$124,875.

Role: Principal investigator

### **CURRENT MEMBERSHIPS**

American Congress of Rehabilitation Medicine

Academy of Spinal Cord Injury Professionals

American Spinal Injury Association

American Public Health Association