

Jordan Chamberlain Brooks

CURRICULUM VITAE

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CONTACT

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EMPLOYMENT

2012 – present Senior Researcher, Life Expectancy Project
 Consultant, Strauss & Shavelle, Inc.

2005 – 2012 Researcher, Life Expectancy Project

2009 – 2012 Graduate Student Researcher
 Department of Biostatistics
 School of Public Health
 University of California, Berkeley

2008 – 2009 Graduate Student Researcher
 Department of Environmental Health Science
 School of Public Health
 University of California, Berkeley

2005 Research Associate
 Department of Biostatistics
 School of Public Health
 University of California, Berkeley

EDUCATION

PhD, Biostatistics, May 2012
University of California, Berkeley

MPH, Biostatistics and Epidemiology, May 2008
University of California, Berkeley

BS, Genetics and Plant Biology, May 2005
University of California, Berkeley

PEER REVIEWED PUBLICATIONS

1. Walz L, Brooks JC, Strauss DJ, Shavelle RM (2023). Severe cerebral palsy survival is similar in California, USA and Victoria, Australia. *Developmental Medicine & Child Neurology*. Published online: 10 April 2023. <https://doi.org/10.1111/dmcn.15616>.
2. Walz L, Brooks JC, Newman T (2023). Evidence suggests a decrease in the incidence of kernicterus in California. *The Journal of Pediatrics*, 255:220-223.e1. doi: 10.1016/j.jpeds.2022.11.023.
3. Walz L, Brooks JC, Shavelle RM, Robertson N, Harding KE (2022). Life expectancy in multiple sclerosis by EDSS score. *Multiple Sclerosis and Related Disorders*, 68:104219. doi: 10.1016/j.msard.2022.104219.
4. Shavelle RM, DeVivo MJ, Brooks JC, Strauss DJ (2022). Update on the long-term survival of persons who are ventilator dependent after spinal cord injury. *The Journal of Spinal Cord Medicine*, doi: 10.1080/10790268.2022.2118489. Online ahead of print.
5. Brooks JC, Shavelle RM, Strauss DJ, Hammond FM, Harrison-Felix CL (2022). Life expectancy of 1-year survivors of traumatic brain injury, 1988-2019: Updated results from the TBI model systems. *Archives of Physical Medicine and Rehabilitation*, 103:176-179.
6. Brooks JC, Rosenbloom L. Life expectancy in cerebral palsy litigation: What constitutes an expert opinion? *Developmental Medicine & Child Neurology*, Mar 22. doi: 10.1111/dmcn.15220. Epub ahead of print. PMID: 35318653.
7. Shavelle RM, Kwak JH, Brooks JC, Saur RC, Hameed B (2022). Life expectancy after liver transplantation: Compendium of results. *Journal of Liver Transplantation*, Volume 6, 100082.
8. Saur RC, Kwak JH, Shavelle RM, Brooks JC (2022). Life expectancy after liver transplantation for hepatitis C. *Journal of Liver Transplantation*, Volume 6, 100069.
9. Shavelle RM, Kwak JH, Brooks JC, Saur RC (2022). Life expectancy after liver transplantation for acute hepatic necrosis. *Journal of Liver Transplantation*, Volume 6, 100066.
10. Shavelle RM, Kwak JH, Brooks JC, Saur RC (2022). Life expectancy after liver transplantation for metabolic disease: Alpha-1-antitrypsin deficiency, wilson's disease, or hemochromatosis. *Journal of Liver Transplantation*, Volume 5, 100062.
11. Shavelle RM, Saur RC, Kwak JH, Brooks JC, Hameed B (2022). Life expectancy after liver transplantation for NASH. *Progress in Transplantation*, online ahead of print, doi: 10.1177/15269248221087441.
12. Shavelle RM, Saur RC, Kwak JH, Brooks JC, Hameed B (2021). Life expectancy after liver transplantation for primary biliary cirrhosis, primary sclerosing cholangitis, or hepatitis B cirrhosis. *Journal of Liver Transplantation*, Volume 5, 100052.

13. Shavelle RM, Saur RC, Kwak JH, Brooks JC, Hameed B (2021). Life expectancy after liver transplantation for alcoholic cirrhosis. *Progress in Transplantation*, 31:345-356.
14. Brooks JC, Campbell RDD, Whittaker GA (2021). Survival of South African children with cerebral palsy. *South African Medical Journal*, 111(6):591-594.
15. Shavelle RM, Kwak JH, Saur R, Brooks JC, Rosenthal P (2021). Life expectancy after liver transplantation for non-cirrhotic hepatocellular carcinoma. *Progress in Transplantation*. 15 March 2021. doi:10.1177/15269248211002793.
16. Kwak JH, Shavelle R, Brooks J (2021). Life expectancy after liver transplantation for hepatocellular carcinoma with cirrhosis. *Progress in Transplantation*, 31:62-71.
17. Shavelle R, Brooks J, Strauss D, Towfighi A (2020). Long-term survival prognosis after stroke: A practical guide for clinicians. *Practical Neurology*, February 2020.
18. Shavelle RM, Brooks JC, Strauss DJ, Turner-Stokes L (2019). Life expectancy after stroke based on age, sex, and Rankin grade of disability: A synthesis. *Journal of Stroke and Cerebrovascular Diseases*, 28(12):104450.
19. Brooks JC, Shavelle RM, Vavra-Musser KN (2018). Life expectancy in pancreatic neuroendocrine cancer. *Clinics and Research in Hepatology and Gastroenterology*, 43:88-97.
20. Shavelle RM, Brooks JC, Strauss DJ (2018). An update on survival after anoxic brain injury in adolescents and young adults. *Brain Injury*, 32(13-14):1879.
21. Wright CM, Reynolds L, Ingram E, Cole TJ, Brooks J (2017). Validation of US cerebral palsy growth charts using a UK cohort. *Developmental Medicine & Child Neurology*, 59(9):933-938.
22. Shavelle R, Vavra-Musser K, Lee J, Brooks J (2017). Life expectancy in pleural and peritoneal mesothelioma. *Lung Cancer International*, Volume 2017 (2017), Article ID 2782590, 8 pages. <https://doi.org/10.1155/2017/2782590>.
23. Shavelle RM, Brooks JC, Strauss DJ, Paculdo DR (2015). A note on survival after anoxic brain injury in adolescents and young adults. *NeuroRehabilitation*, 36:379-382.
24. Brooks JC, Shavelle RM, Strauss DJ, Hammond FM, Harrison-Felix CL (2015). Long-term survival after traumatic brain injury. Part I: External validity of prognostic models. *Archives of Physical Medicine and Rehabilitation*, 96:994-999.
25. Brooks JC, Shavelle RM, Strauss DJ, Hammond FM, Harrison-Felix CL (2015). Long-term survival after traumatic brain injury. Part II: Life expectancy. *Archives of Physical Medicine and Rehabilitation*, 96:1000-1005.
26. Shavelle RM, DeVivo MJ, Brooks JC, Strauss DJ, Paculdo DR (2015). Improvements in long-term survival after spinal cord injury? *Archives of Physical Medicine and Rehabilitation*, 96:645-651.

27. Shavelle RM, Paculdo DR, Tran LM, Strauss DJ, Brooks JC, DeVivo MJ (2015). Mobility, continence, and life expectancy in persons with ASIA impairment scale grade D spinal cord injuries. *American Journal of Physical Medicine & Rehabilitation*, 94:180-191.
28. Shavelle RM, Sweeney LH, Brooks JC (2014). Comparative mortality of persons with intellectual disability in California: An update (2000-2010). *Journal of Insurance Medicine*, 44:158-163.
29. Brooks JC, Strauss DJ, Shavelle RM, Tran LM, Rosenbloom L, Wu YW (2014). Recent trends in cerebral palsy survival. Part I: period and cohort effects. *Developmental Medicine & Child Neurology*, 56:1059-1064.
30. Brooks JC, Strauss DJ, Shavelle RM, Tran LM, Rosenbloom L, Wu YW (2014). Recent trends in cerebral palsy survival. Part II: individual survival prognosis. *Developmental Medicine & Child Neurology*, 56:1065-1071.
31. Kim SJ, Brooks JC, Sheikh J, Kaplan MS, Goldberg BJ (2014). Angioedema deaths in the United States, 1979-2010. *Annals of Allergy, Asthma, and Immunology*, 113(6):630-4.
32. Shavelle R, Strauss D, Brooks J (2013). Discrepancies in the estimates of life expectancy after SCI. *Spinal Cord*, 51:937.
33. Brooks JC, Strauss DJ, Shavelle RM, Paculdo DR, Hammond FM, Harrison-Felix CL (2013). Long-term disability and survival in traumatic brain injury: Results from the National Institute on Disability and Rehabilitation Research Model Systems. *Archives of Physical Medicine and Rehabilitation*, 94:2203-2209.
34. Brooks JC, van der Laan MJ, Singer DE, Go AS (2013). Targeted minimum loss-based estimation of causal effects in right-censored survival data with time-dependent covariates: Warfarin, stroke, and death in atrial fibrillation. *Journal of Causal Inference*, 1(2): 235–254.
35. Strauss DJ, Rosenbloom L, Shavelle RM, Brooks JC (2012). Improved survival in cerebral palsy in recent decades? *Developmental Medicine & Child Neurology*, 54:867.
36. Brooks J, Shavelle RM, Strauss DJ (2012). Survival in children with severe cerebral palsy: A further international comparison. [Letter] *Developmental Medicine & Child Neurology*, 54:383-384.
37. Brooks J, van der Laan MJ, Go AS (2012). Targeted maximum likelihood estimation for prediction calibration. *International Journal of Biostatistics*, 8(1):30. DOI: 10.1515/1557-4679.1385.
38. Brooks J, Day SM, Shavelle RM, Strauss DJ (2011). Low weight, morbidity, and mortality in children with cerebral palsy: New clinical growth charts. *Pediatrics*, 128:e299-e307.
39. Brooks JC, Fisher-Owens SA, Wu YW, Strauss DJ, Newman TB (2011). Evidence suggests there was not a “resurgence” of kernicterus in the 1990s. *Pediatrics*, 127:672-679.
40. Shavelle R, Katz R, MacKenzie R, Rosenbloom L, DeVivo M, Hutton J, Strauss D, Day S, Brooks J (2011). Reply to article by Thomas and Barnes. *NeuroRehabilitation*, 28: 161.

41. Huen K, Harley K, Brooks J, Hubbard A, Bradman A, Eskenazi B, Holland N (2009). Developmental changes in PON1 enzyme activity in young children and effects of PON1 polymorphisms. *Environmental Health Perspectives*: doi:10.1289/ehp.0900870.
42. Strauss DJ, Shavelle RM, Rosenbloom L, Brooks JC (2008). Life expectancy in cerebral palsy: An update. *Developmental Medicine & Child Neurology*, 50:487-493.
43. Strauss D, DeVivo M, Shavelle R, Brooks J, Paculdo D (2008). Economic factors and longevity in spinal cord injury: A reappraisal. *Archives of Physical Medicine and Rehabilitation*, 89:572-574.
44. Day SM, Brooks J, Strauss D, Shumway S, Shavelle RM, Kush S, Sasco AJ (2008). Cancer mortality in cerebral palsy in California, 1988-2002. *International Journal on Disability and Human Development*, 7:427-434.

INVITED PUBLICATIONS

1. Brooks J, Go AS, Singer DE, van der Laan MJ (2014). Roadmap for Causal Inference in Safety Analysis. In: Jiang Q and Xia HA (Eds.), *Quantitative Evaluation of Safety in Drug Development, Design, Analysis and Reporting*. p. 173-194. Chapman and Hall/CRC Press.
2. Day SM, Brooks J, Shumway S, Strauss D, and Rosenbloom L (2012). Growth Charts for Children with Cerebral Palsy: Weight and Stature Percentiles by Age, Gender, and Level of Disability. In: Preedy VR (Ed.), *Handbook of Growth and Growth Monitoring in Health and Disease*, Part 10, p. 1675-1709. New York: Springer.

PRESENTATIONS AND INVITED LECTURES

1. "An epidemiological perspective on life expectancy." Weightmans large loss seminar. October 20, 2022.
2. "Life Expectancy research evidence and its application to UK litigation." FOIL Roundtable. March 23, 2021.
3. "Life expectancy evidence: Medical research perspective." Ageas Panel. March 28, 2019.
4. "Life expectancy: Epidemiology." Weightmans large loss seminar. November 18, 2015.
5. "Life expectancy." Canadian Bar Association. National Health Law Summit: Critical Issues in Health Law. May 21, 2015.
6. "Life expectancy: New research and educating the Court." DWF large loss conference. September 17, 2014.
7. "Do persons from wealthy California zip codes live longer?" American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 12, 2014.

8. "Prediction of long-term mortality in adults with traumatic brain injury using age, sex, walking and feeding skills." International Brain Injury Association, 10th World Congress on Brain Injury. March 22, 2014.
9. "A simple web-based calculator for long-term survival prognosis in adults with moderate-to-severe traumatic brain injury." [Poster] International Brain Injury Association, 10th World Congress on Brain Injury. March 21, 2014.
10. "Recent updates from the California database." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting 3. October 19, 2013.
11. "Life expectancy in Court." XL Group Seminar. September 27, 2013.
12. "Concordance of survival models for children with cerebral palsy." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 14, 2012.
13. "Weight, BMI, and survival in ambulatory adults with cerebral palsy." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. October 13, 2011.
14. "Respiratory health needs in children with cerebral palsy: Prevalence and mortality over a 14-year Period." [Poster] American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. October 13, 2011.
15. "Myths in life expectancy." Action against Medical Accidents, Annual Clinical Negligence Conference 2011. June 24, 2011.
16. "Gross Motor Function Classification System and survival in children and adolescents with cerebral palsy." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 24, 2010.
17. "Targeted Maximum Likelihood Estimation for longitudinal data in randomized controlled trials." Western North American Region of the International Biometric Society, Spring Meeting. June 23, 2010.
18. "Low weight and mortality in children and adolescents with cerebral palsy." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 25, 2009.
19. "Life expectancy in cerebral palsy: Recent research from California." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 18, 2008.

PUBLISHED ABSTRACTS

1. Brooks J, Shavelle R, Strauss DJ, Wu Y. Do persons with cerebral palsy from wealthy California zip codes live longer? *Developmental Medicine and Child Neurology*, 2014; 56(s5):72-73.
2. Tran L, Brooks J, Shavelle R, Strauss DJ. Down syndrome growth charts and trends in obesity. *Developmental Medicine and Child Neurology*, 2014; 56(s5):105-106.
3. Brooks J, Strauss DJ, Shavelle R, Hammond F, Harrison-Felix C. Prediction of long-term mortality in adults with traumatic brain injury (TBI) using age, sex, walking and feeding skills. *Brain Injury*, 28:694-695.
4. Brooks J, Strauss DJ, Shavelle R, Hammond F, Harrison-Felix C. A simple web-based calculator for long-term survival prognosis in adults with moderate-to-severe traumatic brain injury (TBI). *Brain Injury*, 28:719.
5. Brooks J, Shavelle R, Strauss DJ. Recent updates from the California database. *Developmental Medicine and Child Neurology*, 2013; 55(s3):48.
6. Brooks J, Tran L, Shavelle R, Strauss DJ. Concordance of survival models for children with cerebral palsy: a 24-year follow-up in the California database. *Developmental Medicine and Child Neurology*, 2012; 54(s6):46-47.
7. Brooks J, Shavelle R, Strauss DJ. Weight, BMI, and survival in ambulatory adults with cerebral palsy. *Developmental Medicine and Child Neurology*, 2011; 53(s5):9.
8. Tran LM, Brooks J, Strauss DJ. Respiratory health needs in children with cerebral palsy: Prevalence and mortality in California over a 14-year period. *Developmental Medicine and Child Neurology*, 2011; 53(s5):67-68.
9. Brooks J, Day S, Strauss DJ, Shavelle R. Gross Motor Function Classification System and survival in children and adolescents with cerebral palsy. *Developmental Medicine and Child Neurology*, 2010; 52(s5):20.
10. Day SM, Brooks J, Strauss DJ, Shumway S. Growth charts and predictors of weight and height for children with Down syndrome: recent findings from the California database. *Developmental Medicine and Child Neurology*, 2010; 52(s5):13.
11. Brooks J, Wu Y, Fisher-Owens S, Newman TB. Prevalence of kernicterus in California, 1988-1997. *Pediatric Academic Societies, Annual Meeting 2010*. Published online [2010] [2851.354].
Available at: http://www.abstracts2view.com/pasall/view.php?nu=PAS10L1_2808.
12. Brooks J, Day S, Strauss DJ, Shavelle R. Low weight and mortality in children with cerebral palsy: Recent findings from the California database. *Developmental Medicine and Child Neurology*, 2009; 51(s5):29.

13. Brooks J, Strauss DJ, Shavelle RM, Rosenbloom L. Life expectancy in cerebral palsy: Recent research from California. *Developmental Medicine and Child Neurology*, 2008; 50(s4):39-40.
14. Drake KA, Brooks J, McKeown K, Olson A, Ruark E, Burchard EG. Systematic comparison of haplotype inference error across diverse populations. Abstract/program #1940. Presented at the 59th Annual Meeting of the American Society of Human Genetics, October 22, 2009, Honolulu, Hawaii.

PROFESSIONAL ORGANIZATIONS

Fellow, American Academy for Cerebral Palsy and Developmental Medicine

AWARDS

2015 Excellence in Reviewing, *American Journal of Preventative Medicine*

2014 Outstanding Contribution in Reviewing, *Archives of Physical Medicine and Rehabilitation*

2012 Erich Lehmann Award for outstanding PhD dissertation in theoretical statistics

2009 MacKeith Press Promising Career Award