

**Contact Information**

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**Professional Activities**

- 1995-present Technical Director, Life Expectancy Project
- 1999-present Principal, Strauss & Shavelle, Inc.
- 1998-2000 Researcher, Department of Statistics, University of California, Riverside
- 1997-1998 Visiting Assistant Professor  
Department of Statistics, University of California, Riverside
- 1996-1997 Post-Doctoral Research Fellow  
Department of Statistics, University of California, Riverside

**Professional Memberships**

- Fellow, American Academy for Cerebral Palsy and Developmental Medicine (AACPDM)
- Member, American Statistical Association (ASA)
- Member, American Congress of Rehabilitation Medicine (ACRM)

**Education**

- MBA, June 2000, University of California, Irvine
- PhD, Applied Statistics, August 1996, University of California, Riverside
- MS, Statistics, June 1994, University of California, Riverside
- Single subject teaching credential, Mathematics, June 1989  
California State University, Long Beach
- BA, Mathematics, May 1988, California State University, Long Beach

**Peer-Reviewer**

*Archives of Physical Medicine and Rehabilitation*  
*American Journal of Physical Medicine & Rehabilitation*  
*Canadian Respiratory Journal*  
*Developmental Medicine & Child Neurology*

*Journal of Autism and Developmental Disorders*  
*European Journal of Neurology*  
*Experimental Gerontology*  
*Journal of Insurance Medicine*  
*Heart and Vessels*  
*Neuropsychological Rehabilitation*  
*Pediatrics*  
*Spinal Cord*  
*International Journal of Environmental Research and Public Health*  
*Thorax*  
*Scientific Reports, a Nature Research journal*

### **Legal Expert Witness Experience**

Life expectancy / survival: cerebral palsy, vegetative state, minimally conscious state, spinal cord injury, traumatic brain injury, other diseases/conditions, general population risk factors: demographic, lifestyle, and medical conditions

Data analysis, survey sampling, and sample size determinations

### **Other Consulting**

1999-2000 Clinical trials analysis plan development and data analysis  
Allergan Pharmaceuticals, Irvine, California

1996-1999 Statistical Analyst and Reliability Consultant  
Reliability & Performance Group, ARCO Products Company  
Los Angeles Refinery, Carson, California

1997-1998 Association of Retarded Citizens (ARC) Riverside  
Analysis of cost of services for the developmentally disabled

1996-1997 Alaska Fire Prediction and Modeling  
Report and software for the U.S. Forest Service

1995-2005 Biostatistical Consultant to Robert Detrano, M.D.,  
Director of the South Bay Heart Watch, Torrance, CA

### **Publications**

1. Doherty BA, Wong N, Dascalos S, Demer L, Shavelle RM, Detrano RC (1997). Ethnic origin serum levels of  $1\alpha, 25$ -dihydroxyvitamin D<sub>3</sub> are independent predictors of coronary calcium mass quantified by electron beam computed tomography. *Circulation* 96:1477-1481.
2. Detrano RC, Wong ND, Doherty TM, Shavelle RM (1997). Prognostic significance of coronary calcific deposits in asymptomatic high-risk subjects: Three-year follow-up. *Am J Med* 102:344-349.

3. Strauss DJ, Shavelle RM (1997). Mortality of persons with mental retardation in institutions and in the community [Letter]. *American Journal of Public Health*, 87:1870-1871.
4. Strauss DJ, Ashwal S, Shavelle RM, Eyman RK (1997). Prognosis for survival and improvement of children with developmental disabilities. *Pediatrics*, 131:712-717.
5. Kennedy J, Shavelle RM, Wang S, Budoff M, Detrano RC (1998). Coronary calcium and standard risk factors in symptomatic patients referred for coronary angiography. *Am Heart J*, 135:696-702.
6. Arnold BC, Shavelle RM (1998). Joint confidence sets for the mean and variance of a normal distribution. *The American Statistician*, 52:133-140.
7. Strauss DJ, Shavelle RM (1998). An extended Kaplan-Meier estimator and its applications. *Statistics in Medicine*, 17:971-982.
8. Strauss DJ, Shavelle RM, Anderson T, Baumeister AA (1998). External causes of death among persons with mental retardation: The effect of residential placement. *American Journal of Epidemiology*, 147:855-862.
9. Strauss DJ, Shavelle RM, Baumeister AA, Anderson T (1998). Mortality in persons with developmental disabilities after transfer into community care. *American Journal on Mental Retardation*, 102:569-581.
10. Strauss DJ, Shavelle RM (1998). What can we learn from the California mortality studies? *Mental Retardation*, 36:406-407.
11. Strauss DJ, Kastner TA, Shavelle RM (1998). Mortality of adults with developmental disabilities living in California institutions and community care, 1985-1994. *Mental Retardation*, 36:360-371.
12. Strauss DJ, Anderson T, Shavelle RM, Trenkle S, Sheridan F (1998). Causes of death of persons with developmental disability placed from California institutions into community care. *Mental Retardation*, 36:386-391.
13. Strauss DJ, Shavelle RM, Anderson TW (1998). Long term survival of children and adolescents after traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, 79:1095-1100.
14. Strauss DJ, Shavelle RM (1998). Life expectancy of adults with cerebral palsy. *Developmental Medicine and Child Neurology*, 40:369-375.
15. Strauss DJ, Shavelle RM, Anderson TW (1998). Life expectancy of children with cerebral palsy. *Pediatric Neurology*, 18:143-149.
16. Strauss DJ, Shavelle RM (1998). Doctors are not experts on life expectancy. *The Expert Witness*, Summer 1998. Calgary, Alberta: Economica Ltd.

17. Strauss DJ, Shavelle RM (1998). Everything you always wanted to know about life expectancy (but there was no one to ask). Tort & Insurance Practice Section, Medicine & Law Committee Newsletter, Spring 1998. Washington DC: American Bar Association.
18. Strauss DJ, Shavelle RM (1998). Survival estimates of severely disabled children [Letter]. *Pediatric Neurology*, 19:243-244.
19. Strauss DJ, Shavelle RM (1998). Life expectancy of persons with chronic disabilities. *Journal of Insurance Medicine*, 30:98-108.
20. Strauss DJ, Shavelle RM (1998). Life expectancy: What lawyers need to know. *Clinical Risk*, 5:25-26.
21. Singer RM, Strauss DJ, Shavelle RM (1998). Comparative mortality in cerebral palsy patients in California, 1980-1996. *Journal of Insurance Medicine*, 30:240-246.
22. Shavelle RM, Strauss DJ (1999). Mortality in persons with developmental disabilities after transfer into community care: A 1996 update. *American Journal on Mental Retardation*, 104:143-146.
23. Doherty TM, Wong ND, Shavelle RM, Tang W, Detrano RC (1999). Coronary heart disease deaths and infarctions in people with little or no coronary calcium [letter]. *The Lancet*, 353:41-42.
24. Shavelle RM, Strauss DJ (1999). A long period multistate life table from micro data. *Mathematical Population Studies*, 7:161-177.
25. Doherty TM, Detrano RC, Mautner SL, Mautner GC, Shavelle RM (1999). Coronary calcium: The good, the bad, and the uncertain. *American Heart Journal*, 137:806-814.
26. Shavelle RM, Strauss DJ (1999). Comparative mortality of persons with autism in California, 1980-1996. *Journal of Insurance Medicine*, 30:220-225.
27. Shavelle RM, Strauss DJ (1999). Improved sample survey estimates using past values. *Pakistan Journal of Statistics*, 15:47-63.
28. Detrano RC, Wong ND, Doherty TM, Shavelle RM, Tang W, Ginzton LE, Budoff MJ, Narahara KA (1999). Coronary calcium does not accurately predict near-term future coronary events in high-risk adults. *Circulation*, 99:2633-2680.
29. Strauss DJ, Shavelle RM, Ashwal S (1999). Life expectancy and median survival time in the permanent vegetative state. *Pediatric Neurology*, 21:626-631.
30. Strauss DJ, Cable W, Shavelle RM (1999). Causes of excess mortality in persons with cerebral palsy. *Developmental Medicine & Child Neurology*, 41:580-585.
31. Strauss DJ, Shavelle RM (1999). Life tables for people with traumatic brain injury [Letter]. *Journal of Insurance Medicine*, 31:104-105.

32. Strauss DJ, DeVivo M, Shavelle RM (2000). Long-term survival after spinal cord injury. *Journal of Insurance Medicine*, 32:11-16.
33. Rice LF, Strauss DJ, Shavelle RM (2000). Life expectancy and the birth-injured plaintiff. *Forum*, 30:20-23. Published by the Consumer Attorneys of California.
34. Strauss DJ, Shavelle RM, DeVivo MJ, Day SM (2000). An analytic method for longitudinal mortality studies. *Journal of Insurance Medicine*, 32:217-225.
35. Shavelle RM, Strauss DJ (2000). Comparative mortality of adults with traumatic brain injury in California, 1988-1997. *Journal of Insurance Medicine*, 32:163-166.
36. Strauss DJ, Ashwal S, Day S, Shavelle RM (2000). Life expectancy of children in vegetative and minimally conscious states. *Pediatric Neurology*, 23:312-319.
37. Strauss DJ, Shavelle RM, Pflaum C, Bruce C (2000). Incorporating the effect of reduced life expectancy into awards for future costs of care. *The Expert Witness*, Winter 2000, volume 5, number 4.
38. Strauss DJ, Shavelle RM (2000). Causes of excess mortality in cerebral palsy [reply to letter by Maudsley and Pharaoh]. *Developmental Medicine & Child Neurology*, 43:288.
39. Shavelle DM, Budoff MJ, LaMont DH, Shavelle RM, Kennedy JM, Brundage BH (2000). Exercise testing and electron beam computed tomography in the evaluation of coronary artery disease. *Journal of the College of Cardiology*, 36:32-38.
40. Shavelle RM, Strauss DJ, Whyte J, Day SM, Yu YL (2001). Long-term causes of death after traumatic brain injury. *American Journal of Physical Medicine and Rehabilitation*, 80:510-516.
41. Shavelle RM, Strauss DJ, Day SM (2001). Comparison of survival in cerebral palsy between countries [letter]. *Developmental Medicine & Child Neurology*, 43:574.
42. Strauss DJ, Shavelle RM, Pflaum C, Bruce C (2001). Discounting the cost of future care for persons with disabilities. *Journal of Forensic Economics*, 14:79-87. [Reprinted in Kaufman RT, Rodgers JD and Martin GD (Eds.) (2006). *Economic foundations of injury and death damages*, chapter 28. Northampton, MA: Edward Elgar Publishing.]
43. Strauss DJ, Shavelle RM (2001). Life expectancy in cerebral palsy [letter]. *Archives of Disease in Childhood*. 85:442.
44. Shavelle RM, Strauss DJ, Pickett J (2001). Causes of death in autism. *Journal of Autism and Developmental Disorders*, 31: 569-576.
45. Budoff MJ, Yang TP, Shavelle RM, Lamont DH, Brundage BH (2002). Ethnic differences in coronary atherosclerosis. *Journal of the American College of Cardiology*, 39:408-412.

46. LaMont DH, Budoff MJ, Shavelle DM, Shavelle RM, Brundage BH, Hagar JM (2002). Coronary calcium scanning adds incremental value to patients with positive stress tests. *American Heart Journal*, 143:861-867.
47. Budoff MJ, Shakooh S, Shavelle RM, Kim HT, French WJ (2002). Electron beam tomography and angiography: Sex differences. *American Heart Journal*. 143:877-882.
48. Shavelle RM, Strauss DJ, Day SM (2003). Comparative mortality of Californians with mental retardation, 1980-1999. *Journal of Insurance Medicine*, 35:5-8.
49. Strauss DJ, Day SM, Shavelle RM, Wu YW (2003). Remote symptomatic epilepsy: Does seizure severity increase mortality? *Neurology*, 60: 395-399.
50. Day S, Strauss D, Shavelle R, Wu YW (2003). Excess mortality in remote symptomatic epilepsy. *Journal of Insurance Medicine*, 35:15-20.
51. Strauss DJ, Ojdana KA, Shavelle RM, Rosenbloom L (2004). Decline in function and life expectancy of older persons with cerebral palsy. *NeuroRehabilitation*, 19:69-78.
52. Wu Y, Day SM, Strauss DJ, Shavelle RM (2004). Prognosis for ambulation in cerebral palsy: A population-based study. *Pediatrics*, 114:1264-1271.
53. Strauss DJ, Shavelle RM, DeVivo MJ, Harrison-Felix C, Whiteneck GG (2004). Life expectancy after traumatic brain injury [letter]. *NeuroRehabilitation*, 19:257-258.
54. Strauss DJ, Shavelle RM, Day SM (2004). Letter to the editor re: Plioplys article. *Seminars in Pediatric Neurology*, 11:236.
55. Shavelle RM, Strauss DJ, Day SM (2005). Deinstitutionalization in California: Mortality of persons with developmental disabilities after transfer into community care, 1997-1999. *Journal of Data Science*, 3:371-380.
56. Day SM, Strauss DJ, Shavelle RM, Reynolds RJ (2005). Mortality and causes of death in persons with Down syndrome in California. *Developmental Medicine & Child Neurology*, 47:171-176.
57. Doherty TM, Shavelle RM, French WJ (2005). Reproducibility and variability of activated clotting time measurements in the cardiac catheterization laboratory. *Catheterization and Cardiac Interventions*, 65:330-337.
58. Strauss DJ, Vachon PJ, Shavelle RM (2005). Estimation of future mortality rates and life expectancy in chronic medical conditions. *Journal of Insurance Medicine*, 37:20-34.
59. Paculdo DR, Strauss DJ, Shavelle RM (2005). Life expectancy: What does it really mean? *LNC Resource*, January 2005.
60. Day SM, Wu YW, Strauss DJ, Shavelle RM, Reynolds RJ (2005). Causes of death in remote symptomatic epilepsy. *Neurology*, 65:216-222.

61. Strauss D, Rosenbloom L, Day S, Shavelle R (2005). Cognitive function in tetraplegic cerebral palsy with severe motor dysfunction [letter]. *Developmental Medicine and Child Neurology*, 47:562.
62. Pickett JA, Paculdo DR, Shavelle RM, Strauss DJ (2006). 1998-2002 update on causes of death in autism [letter]. *Journal of Autism and Developmental Disorders*, 36:287-288.
63. Shavelle RM, Strauss DJ (2006). Computing exact excess death rates and mortality ratios from a mortality study with limited information on the age distribution. *Journal of Insurance Medicine*, 38:105-110.
64. Strauss DJ, DeVivo MJ, Paculdo DR, Shavelle RM (2006). Trends in life expectancy after spinal cord injury. *Archives of Physical Medicine and Rehabilitation*, 87:1079-1085.
65. Pflaum C, McCollister G, Strauss DJ, Shavelle RM, DeVivo MJ (2006). Worklife following traumatic spinal cord injury. *Journal of Spinal Cord Medicine*, 29:377-386.
66. Shavelle RM, DeVivo MJ, Strauss DJ, Paculdo DR, Lammertse DP, Day SM (2006). Long-term survival of persons ventilator dependent after spinal cord injury. *Journal of Spinal Cord Medicine*, 29:511-519.
67. Day SM, Strauss DJ, Vachon PJ, Rosenbloom L, Shavelle RM, Wu YW (2007). Growth patterns in a population of children and adolescents with cerebral palsy. *Developmental Medicine & Child Neurology*, 49:167-171. [Reprinted in Sullivan PB (Ed.) (2009). *Feeding and nutrition in children with neurodevelopmental disability*. London: Mac Keith Press.]
68. Shavelle RM, Strauss DJ, Day SM, Ojdana KA (2007). Life Expectancy. In: ND Zasler, DI Katz & RD Zafonte (Eds.), *Brain Injury Medicine: Principles and Practice*. New York: Demos Medical Publishing.
69. Strauss DJ, Shavelle RM, Reynolds RJ, Rosenbloom L, Day SM (2007). Survival in cerebral palsy in the last 20 years: Signs of improvement? *Developmental Medicine & Child Neurology*, 49:86-92.
70. Day SM, Wu YW, Strauss DJ, Shavelle RM, Reynolds RJ (2007). Change in ambulatory ability of adolescents and young adults with cerebral palsy. *Developmental Medicine & Child Neurology*, 49:647-653.
71. Shavelle RM, DeVivo MJ, Paculdo DR, Vogel LC, Strauss DJ (2007). Long-term survival after childhood spinal cord injury. *Journal of Spinal Cord Medicine*, 30:S48-S54.
72. Strauss DJ, DeVivo MJ, Shavelle RM, Brooks J, Paculdo D (2008). Economic factors and longevity in spinal cord injury: A reappraisal. *Archives of Physical Medicine and Rehabilitation*, 89:572-574.
73. Oakeshott P, Hunt GM, Kerry S, Strauss DJ, Shavelle RM, Reynolds RJ (2008). Survival and mobility in open spina bifida: Comparison of results from the United States and the United

- Kingdom. *International Journal on Disability and Human Development*, 7:101-106.
74. Strauss DJ, Shavelle RM, Rosenbloom L, Brooks JC (2008). Life expectancy in cerebral palsy: An update. *Developmental Medicine & Child Neurology*, 50:487-493.
  75. Shavelle RM, Strauss DJ, Katz RT (2008). Survival of persons with locked-in syndrome: A correction. *Archives of Physical Medicine and Rehabilitation*, 89:1005.
  76. Sasco AJ, Day SM, Voirin N, Strauss DJ, Shavelle RM, Satgé D (2008). Cancer mortality in Down syndrome in California. *International Journal on Disability and Human Development*, 7:415-422.
  77. 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.
  78. Shavelle RM, Kush SJ, Paculdo DR, Strauss DJ, Day SM (2008). Underwriting the Presidents. *Journal of Insurance Medicine*. *Journal of Insurance Medicine*, 40:120–123.
  79. Shavelle RM, Paculdo DR, Strauss DJ, Kush SJ (2008). Smoking habit and mortality: A meta-analysis. *Journal of Insurance Medicine*, 40:170–178.
  80. Shavelle RM, Paculdo DR, Kush SJ, Mannino DM, Strauss DJ (2009). Life expectancy and years of life lost in chronic obstructive pulmonary disease: Findings from the NHANES III follow-up study. *International Journal of COPD*, 4: 137–148.
  81. Shavelle RM, Paculdo DR, Strauss DJ, Kush SJ (2009). Cognitive impairment and mortality in the Cardiovascular Health Study. *Journal of Insurance Medicine*, 41:110–116.
  82. Shavelle RM, Strauss DJ (2009). Rating the raters: Evaluating the predictions from a life expectancy rating service. *Journal of Insurance Medicine*, 41:178–190.
  83. Shavelle RM, Delaney CS (2010). Evidence-based life expectancy and the physician. *International Journal of Child Health and Human Development*, 3:283-300.
  84. Shavelle R, Katz R, MacKenzie R, Rosenbloom L, DeVivo M, Hutton J, Strauss D, Day S, Brooks J (2011). Life expectancy for people with disabilities. [Letter in reply to article by Thomas and Barnes]. *NeuroRehabilitation*, 28: 161.
  85. Brooks J, Day SM, Shavelle RM, Strauss DJ (2011). Low weight, morbidity, and mortality in children with cerebral palsy: New clinical growth charts. *Pediatrics*, Published online July 18, 2011 (10.1542/peds.2010-2801).
  86. Brooks JC, Shavelle RM, Strauss DJ (2012). Survival in children with severe cerebral palsy: A further international comparison. *Developmental Medicine & Child Neurology*, 54:383-384. DOI: 10.1111/j.1469-8749.2012.04236.x.
  87. Shavelle RM, Mackenzie R, Paculdo DR (2012). Anemia and mortality in older persons:



Does the type of anemia affect survival? *Int J Hematol*, 95:248-256. Epub 2012 Feb 21.

88. Shavelle RM, Paculdo DP (2012). The effect of exceptional parental longevity on life expectancy. *Journal of the American Gerontological Society*, 60:1185.
89. Strauss DJ, Rosenbloom L, Shavelle RM, Brooks JC (2012). Improved survival in cerebral palsy in recent decades? *Developmental Medicine & Child Neurology*, 54:867. DOI: 10.1111/j.1469-8749.2012.04349.x. Epub 2012 Jul 19.
90. Shavelle RM, Strauss DJ (2013). Life expectancy and the life care planner. *Journal of Life Care Planning*, 12:21-29.
91. Shavelle RM (2013). Overestimation of Life Expectancy in CKD [letter]. *American Journal of Kidney Disease*, 62(2):395-396.
92. 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.
93. Shavelle R, Strauss D, Brooks J (2013). Discrepancies in the estimates of life expectancy after SCI. *Spinal Cord*, 51:937.
94. 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.
95. 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.
96. 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.
97. 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.
98. 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.
99. 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.
100. 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.

101. 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. DOI:10.3233/NRE-151226.
102. Shavelle R, Vavra-Musser K, Lee J, Brooks J (2017). Life expectancy in pleural and peritoneal mesothelioma. *Lung Cancer International*, Volume 2017, Article ID 2782590, 8 pages. <https://doi.org/10.1155/2017/2782590>.
103. Brooks JC, Shavelle RM, Vavra-Musser KN (2018). Life expectancy in pancreatic neuroendocrine cancer. *Clinics and Research in Hepatology and Gastroenterology*, <https://doi.org/10.1016/j.clinre.2018.08.005>.
104. 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. <https://doi.org/10.1080/02699052.2018.1541100>.
105. Turner-Stokes L, Dzingina M, Shavelle R, Bill A, Williams H, Sephton K (2019). Estimated life-time savings in the cost of ongoing care following specialist rehabilitation for severe traumatic brain injury in the United Kingdom. *J Head Trauma Rehabil*, 34: 205-214.
106. 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.
107. Shavelle R, Brooks J, Strauss D, Towfighi A (2020). Long-term survival prognosis after stroke: A practical guide for clinicians. *Practical Neurology*, February 2020.

## Medical abstracts

1. Kennedy JM, Budoff MJ, Rumberger JA, Shavelle RM, Brundage BH. Coronary calcium thresholds to predict angiographic stenosis severity in symptomatic patients. American Heart Association, 71st Scientific Sessions, November 8-11, 1998. Abstract #2670.
2. Kennedy JM, Budoff MJ, Shavelle RM, Brundage BH. Angiography and coronary calcium: Effect of gender. American Heart Association, 71st Scientific Sessions, November 8-11, 1998. Abstract #3451.
3. Budoff MJ, Yang TP, Shavelle RM, Kim T, Akinwale P, Brundage BH. Angiography and coronary calcium by electron beam computed tomography: Effect of gender. American College of Cardiology Scientific Sessions, 1997. Abstract #.
4. Budoff MJ, Yang TP, Shavelle RM, Kim T, Akinwale P, Brundage BH. Ethnic differences in coronary calcium prevalence in a symptomatic Population. American College of Cardiology Scientific Sessions, 1997. Abstract #.

5. Shavelle DM, Budoff MJ, LaMont DH, Shavelle RM, Kennedy JM, Brundage BH. Exercise testing and electron beam computed tomography in the evaluation of coronary artery disease. American Heart Association 70th Scientific Sessions, November 1997. Abstract #1510.
6. Brooks JC, Strauss DJ, Shavelle RM, Rosenbloom L. Life expectancy in cerebral palsy: Recent research from the California database. Abstracts from the AACPD 62<sup>nd</sup> Annual Meeting, September 17-20, 2008, Atlanta, Georgia. Published in *Developmental Medicine & Child Neurology*, September 2008, volume 50, Supplement 4.

### **Medical Poster and Concurrent Sessions**

1. Ashwal S, Day S, Strauss D, Shavelle RM (2000). Life expectancy of children in vegetative and minimally conscious states. Presented by Stephen Ashwal at the annual Child Neurology Society meeting, St. Louis, October 25-28, 2000. *Annals of Neurology* 48:551.
2. Strauss D, Ashwal S, Shavelle RM, Eyman RK (1996). Prognosis for survival and improvement in children with severe developmental disabilities. Presented by Stephen Ashwal at the Conference on Neurology, August 1996. *Annals of Neurology* 40:296.
3. Shavelle DM, Budoff MJ, Lamont DH, Shavelle RM, Kennedy JM, Brundage BH (1997). Exercise testing and electron beam tomography in the evaluation of coronary artery disease. Presented by David Shavelle at the 70<sup>th</sup> American Heart Association Meetings, Orlando, Florida.
4. Pflaum C, McCollister G, Strauss DJ, Shavelle RM, DeVivo MJ. Worklife following traumatic spinal cord injury. Presented by Michael DeVivo at the 31st Annual Meeting of the American Spinal Injury Association, Dallas, Texas, May 12-14, 2005.
5. DeVivo MJ, Shavelle RM, Strauss DJ, Paculdo DR, Lammertse DP, Vogel LC, Reynolds RJ. New findings regarding long-term survival after spinal cord injury. Poster presentation by Dr. DeVivo at the 52<sup>nd</sup> Annual Conference of the American Paraplegia Society, Las Vegas, Nevada, September 5-8, 2006. Abstract published in the *Journal of Spinal Cord Medicine*, 29:454-455.
6. Day SM, Strauss DJ, Vachon PJ, Rosenbloom L, Shavelle RM, Wu YW (2007). Growth charts for persons with cerebral palsy stratified by level of motor functioning and feeding ability. Demonstration poster presented by Dr. Day at the 61<sup>st</sup> Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, October 10-13, 2007: Vancouver.
7. Brooks JC, Strauss DJ, Shavelle RM, Tran LM (2010). "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. Presented by Linh Tran.
8. Brooks JC, Strauss DJ, Shavelle RM, Tran LM (2011). "Weight, BMI, and survival in ambulatory adults with cerebral palsy." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. October 13, 2011. Presented by Jordan Brooks,

PhD.

9. Brooks JC, Strauss DJ, Shavelle RM, Tran LM (2010). "Respiratory health needs in children with cerebral palsy: Prevalence and mortality over a 14-year Period." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. October 13, 2011. Presented by Linh Tran.
10. Brooks JC, Strauss DJ, Shavelle RM, Tran LM (2012). "Concordance of survival models for children with cerebral palsy." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 14, 2012. Presented by Jordan Brooks, PhD.
11. Brooks JC, Strauss DJ, Shavelle RM, Tran LM (2013). "Recent updates from the California database." American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. October 19, 2013. Presented by Jordan Brooks, PhD.
12. Brooks JC, Strauss DJ, Shavelle RM, Tran LM (2014). "Do persons from wealthy California zip codes live longer?" American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting. September 12, 2014. Presented by Jordan Brooks, PhD.

#### **Presentations and invited lectures**

1. "Improved sample survey estimates using past values." Department of Statistics, University of California, Riverside. May 25, 1995.
2. "The semi-longitudinal multistate life table." Doctoral defense, Department of Statistics, University of California, Riverside. May 17, 1996.
3. "The world of statistics." Corona Host Lions Club Luncheon, Corona, California. January 4, 1996.
4. "Weibull Analysis and MTBF." A talk given as part of the All Star Panel on "Mean Time Between Failure." Pump & Reliability Session. The 72nd Annual Pacific Energy Association (PEA) Fall Conference, Long Beach, California. October 25, 1997.
5. "An extended Kaplan-Meier estimator and its applications." Department of Statistics, University of California, Riverside. October 27, 1998.
6. "Life expectancy: What risk managers need to know." Public Agency Risk Managers Association (PARMA), Los Angeles Chapter Meeting. October 12, 1999.
7. "The end of the job." Special guest on KLSX 710 AM radio show "Get a hold of your life." February 6, 2000.
8. "Life expectancy: What the manuals don't tell you." National Structured Settlements Trade Association (NSSTA) Annual Conference, Underwriter's Program. La Mirage, California. May 7, 2001.
9. "Life tables for persons with medical risk factors." NAFE (National Association of

- Forensic Economists) session at the WEAI (Western Economics Association International) 76<sup>th</sup> Annual Conference, San Francisco, California. July 7, 2001.
10. "Life expectancy in obstetrical malpractice cases." Advanced Medical Malpractice Seminar for U.S. Department of Justice Attorneys. Columbia, South Carolina. April 3, 2003.
  11. "The rating game." National Structured Settlements Trade Association Annual Conference, Rancho Bernardo, San Diego, California. April 28, 2003.
  12. "Life expectancy in cerebral palsy." MAG Mutual Defense Attorney Seminar. Atlanta, Georgia. September 17, 2004.
  13. "Life expectancy in catastrophic cases." Pediatric Grand Rounds. Santa Clara Valley Medical Center, San Jose, California. February 9, 2005.
  14. "Doc, how long have I got?" National Structured Settlements Trade Association Annual Conference, Indian Wells, California. April 18, 2005.
  15. "Recent developments in life expectancy." NAFE (National Association of Forensic Economists) session at the WEAI (Western Economics Association International) 81<sup>st</sup> Annual Conference. San Diego, California. June 30, 2006.
  16. "The cost of rating it wrong." National Structured Settlements Trade Association Annual Conference, La Jolla, California. April 18, 2008. Joint talk with Vinaya Sharma, FSA, CLU.
  17. "Life expectancy in cerebral palsy." AACPDPM Continuing Education, Grand Rounds Lectures. Live Webinar. August 12, 2008.
  18. "Rating the Raters: How to Evaluate the Predictions from a Life Expectancy Rating Service". Life Insurance Settlement Association [LISA] 14<sup>th</sup> Annual Fall Conference, Washington, DC. November 7, 2008.
  19. "Rating the Raters: How to Evaluate the Predictions from a Life Expectancy Rating Service". Life Settlement Investment Summit [LSIS], New York, NY. March 26, 2009.
  20. "Life expectancy in cerebral palsy." University of California, San Francisco, Neurology. June 2, 2010.
  21. "The Science of Life Expectancy." European Family Office & Private Wealth Management Forum, Intercontinental Hotel, Geneva. June 7, 2010.
  22. "Life Expectancy for Forensic Economists." NAFE (National Association of Forensic Economists) session at the WEAI (Western Economics Association International) 85<sup>th</sup> Annual Conference. Portland, Oregon. June 30, 2010.
  23. "Life Expectancy in Catastrophic Injury Cases." AANLCP (American Association of Nurse Life Care Planners), Annual Conference, Boston, Massachusetts, October 10, 2010.

24. "Life Expectancy in Litigation." GILD Annual MCLE Conference, Sydney, Australia, November 2, 2010.
25. "Ratings: Right and Wrong." National Structured Settlements Trade Association (NSSTA) Fall Regional Educational Conference, Las Vegas, Nevada. November 11, 2010.
26. "Life Expectancy in Catastrophic Injury Cases." SCAHRM (Southern California Association for Healthcare Risk Management). Costa Mesa, California, April 19, 2011.
27. "Life Expectancy in the Senior Settlement Industry: Are the Experts Any Good? NAFE (National Association of Forensic Economists) session at the WEAI (Western Economics Association International) 86<sup>th</sup> Annual Conference. San Diego, California, June 30, 2011.
28. "Life Expectancy." New York City Law Department, Special Litigation Unit, July 27, 2011.
29. "Life Expectancy in Cerebral Palsy." 10<sup>th</sup> Annual Advanced Forum on Obstetric Malpractice, The Union League, Philadelphia, Pennsylvania, July 28, 2011.
30. "Life Expectancy After Traumatic Brain Injury." 7<sup>th</sup> Annual Brain Injury Rehabilitation Conference. San Diego, California, March 17, 2012.
31. "Myths in Life Expectancy." 11<sup>th</sup> Annual Advanced Forum on Obstetric Malpractice, The Union League, Philadelphia, Pennsylvania, June 27, 2012.
32. "Life Expectancy After Catastrophic Injury." Bay Area Chapter, Northern California, American Association of Legal Nurse Consultants. San Francisco, California, September 11, 2012.
33. "Life Expectancy After Traumatic Brain Injury: Basics, Myths, and Current Research." 8<sup>th</sup> Annual Brain Injury Rehabilitation Conference. San Diego, California, March 23, 2013.
34. "Life Expectancy in Cerebral Palsy: Recent Developments." 12<sup>th</sup> Annual Advanced Forum on Obstetric Malpractice, The Union League, Philadelphia, Pennsylvania, June 26, 2013.
35. "Life Expectancy in Cerebral Palsy." 13<sup>th</sup> Annual Advanced Forum on Obstetric Malpractice, The Union League, Philadelphia, Pennsylvania, June 25, 2014.
36. "Life Expectancy After Catastrophic Injury." AAIM 123<sup>rd</sup> Annual Conference, Philadelphia, Pennsylvania, September 30, 2014.
37. "Life Expectancy After Catastrophic Injury." AANLCP (American Association of Nurse Life Care Planners), Annual Conference, Atlanta, Georgia, October 25, 2014.
38. "Life Expectancy in Cerebral Palsy." 14<sup>th</sup> Annual Advanced Forum on Obstetric Malpractice, The Union League, Philadelphia, Pennsylvania, June 23, 2015.
39. "Life Expectancy in Cerebral Palsy." 15<sup>th</sup> Annual Advanced Forum on Obstetric Malpractice, The Union League, Philadelphia, Pennsylvania, June 22, 2016.

40. "Life Expectancy After Brain Injury: The Impact of Functional Status in Cerebral Palsy, Traumatic Brain Injury, and Stroke," Fasano 14th Annual Longevity Conference, Washington, DC, November 6, 2017.
41. Radio interview re: recent decrease in U.S. life expectancy. KNX In depth radio show, interviewed by Charles Feldman and Mike Simpson. December 21, 2017.