

## Bibliography: Hospital & Surgeon Volume

- Gloviczki P, Lawrence P, Forbes T. Update of the society for vascular surgery abdominal aortic aneurysm guidelines. *Journal of Vascular Surgery*. 2018;67(1):1.
- Lidsky ME, Sun Z, Nussbaum DP, Adam MA, Speicher PJ, Blazer III DG. Going the Extra Mile: Improved Survival for Pancreatic Cancer Patients Traveling to High-volume Centers. *Annals of Surgery*. 2017;266(2):333-338.
- 3. Chikwe J, et al. Relation of mitral valve surgery volume to repair rate, durability, and survival. *Journal of the American College of Cardiology*. 2017;69(19):2397-2406.
- Baker L, O'Sullivan M. Small numbers can have big consequences: many California hospitals perform dangerously low numbers of cancer surgeries.
   California Health Care Foundation. 2017. Available at: https://www.chcf.org/publication/small-numbers-canhave-big-consequences-many-california-hospitalsperform-dangerously-low-numbers-of-cancersurgeries/
- 5. Atkinson S, et al. The effect of hospital volume on resection margins in rectal cancer surgery. *Journal of Surgical Research*. 2016;1(204):22-28.
- 6. Wilson S, Marx RG, Pan TJ, Lyman S. Meaningful Thresholds for the Volume-Outcome Relationship in Total Knee Arthroplasty. *J Bone Joint Surg Am*. 2016;98(20):1683-1690.
- Zettervall SL, Schermerhorn ML, Soden PA, McCallum JC, Shean KE, Deery SE, O'Malley AJ, Landon B. The effect of surgeon and hospital volume on mortality after open and endovascular repair of abdominal aortic aneurysms. *Journal of Vascular Surgery*. 2017;65(3):626-634.
- Pronovost P. Why Surgical Volumes Should Be Public.
   U.S. News & World Report. 2016. Available at:
   http://health.usnews.com/health-news/blogs/second-opinion/articles/2016-11-18/why-surgical-volumes-should-be-public
- 9. Fuchs HF, Harnsberger CR, Broderick RC, Chang DC, Sandler BJ, Jacobsen GR, et al. Mortality after esophagectomy is heavily impacted by center volume:

- retrospective analysis of the Nationwide Inpatient Sample. *Surgical Endoscopy*. 2017;31(6):2491-2497.
- Speicher PJ, Englum BR, Ganapathi AM, Wang X, Hartwig MG, D'Amico TA, et al. Traveling to a Highvolume Center is Associated With Improved Survival for Patients With Esophageal Cancer. *Annals of* surgery. 2017;265(4):743-749.
- David EA, Cooke DT, Chen Y, Perry A, Canter RJ, Cress R. Surgery in high-volume hospitals not commission on cancer accreditation leads to increased cancer-specific survival for early-stage lung cancer. *The American Journal of Surgery*. 2015;210(4):643-647.
- Sternberg S, Dougherty G. Risks Are High at Low-Volume Hospitals. U.S. News & World Report. 2015.
   Available at: <a href="https://www.usnews.com/news/articles/2015/05/18/risks-are-high-at-low-volume-hospitals">https://www.usnews.com/news/articles/2015/05/18/risks-are-high-at-low-volume-hospitals</a>
- 13. Vassileva CM, McNeely C, Spertus J, Markwell S, Hazelrigg S. Hospital volume, mitral repair rates, and mortality in mitral valve surgery in the elderly: an analysis of US hospitals treating Medicare fee-forservice patients. *The Journal of thoracic and cardiovascular surgery*. 2015;149(3):762-768.
- 14. Reames BN, Ghaferi AA, Birkmeyer JD, Dimick JB. Hospital volume and operative mortality in the modern era. *Ann Surg.* 2014 Aug;260(2):244-51.
- Etzioni D, Young-Fadok T, Cima R, Wasif N, Madoff R, Naessens J, et al. Patient survival after surgical treatment of rectal cancer: Impact of surgeon and hospital characteristics. *Cancer*. 2014;120(16):2472-2481.
- Lau RL, Perruccio AV, Gandhi R, Mahomed NN. The role of surgeon volume on patient outcome in total knee arthroplasty: a systematic review of the literature. *BMC musculoskeletal disorders*. 2012;13(1):250.
- 17. Nugent E, Neary P. Rectal cancer surgery: volume—outcome analysis. *International journal of colorectal disease*. 2010;25(12):1389-1396.
- 18. Osborne NH, Nicholas LH, Ghaferi AA, Upchurch GR, Dimick JB. Do popular media and internet-based



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- hospital quality ratings identify hospitals with better cardiovascular surgery outcomes? *Journal of the American College of Surgeons*. 2010;210(1):87-92.
- 19. Birkmeyer NJO, Dimick JB, Share D., et al., Hospital complication rates with bariatric surgery in Michigan. *JAMA*. 2010;304(1):435-442.
- 20. Birkmeyer JD, Sun Y, Wong SL, Stukel TA. Hospital volume and late survival after cancer surgery. *Annals of Surgery*. 2007;245(5):777-783.
- 21. Weller W. Hannan E. Relationship between provider volume and postoperative complications for bariatric procedures in New York State. *Journal of the American College of Surgeon*. 2006;202(5):753-761.
- 22. Dimick JB, Finlayson SR. Rural hospitals and volume standards in surgery. *Surgery*. 2006;140(3):367-371.
- 23. Weller WE, Hannan EL. Relationship between provider volume and postoperative complications for bariatric procedures in New York State. *Journal of the American College of Surgeon*. 2006;202(5):753-761.
- 24. Ngyuen N, Paya M, Stevens C, Mavandadi S, Zainabadi K, Wilson S. The relationship between hospital volume and outcome in bariatric surgery at academic medical centers. *Annals of Surgery*. 2004;240(4):586-594.
- 25. Courcoulas A, Schuchert M, Gatti G, Luketich J. The relationship of surgeon and hospital volume to outcome after gastric bypass surgery in Pennsylvania: A 3-year summary. *Surgery*. 2003;134(4):613-623.
- Birkmeyer JD, Stukel TA, Siewers AS, Goodney P, Wennberg D, Lucas F. Surgeon volume and operative mortality in the United States. *New England Journal of Medicine*. 2003;349:2117-2127.
- Birkmeyer JD, Siewers AE, Finlayson EVA, Stukel TA, Lucas FL, Batista I, et al. Hospital volume and surgical mortality in the United States. New England Journal of Medicine. 2002;346:1137-1144.
- 28. Bach PB, Cramer LD, Schrag D, Downey RJ, Gelfand SE, Begg CB. The influence of hospital volume on survival after resection for lung cancer. *New England Journal of Medicine*. 2001;345(3):181-188.

- 29. Birkmeyer, JD. High-risk surgery–follow the crowd. *JAMA*. 2000;283(9):1191-1193.
- 30. Camarow A. Higher volume, fewer deaths. *U.S. News & World Report*. July 2000.
- 31. Dudley RA, Johansen KL, Brand R, Rennie DJ, Milstein A. Selective Referral to High- Volume Hospitals: Estimating Potentially Avoidable Deaths. *JAMA*. 2000;283(9):1159-1166.
- 32. Halm EA, Lee C, Chassin MR. How is volume related to quality in health care? A systematic review of the research literature. Prepared for National Academy of Sciences, Interpreting the volume-outcome relationship in the context of health care quality workshop. Washington, D.C. May 11, 2000.
- Finlayson SR, Birkmeyer JD, Tosteson AN, Nease RF, Jr. Patient preferences for location of care: Implications for regionalization. *Medical Care*. 1999;37(2):204-209.
- 34. Begg CB, Cramer LD, Hoskins WJ, Brennan MF. Impact of hospital volume on operative mortality for major cancer surgery. *JAMA*. 1998;280(20):1747-1751.
- Cebul RD, Snow RJ, Pine R, Hertzer NR, Norris DG. Indications, outcomes, and provider volumes for carotid endarterectomy. *JAMA*. 1998;279(16):1282-1287.
- Dardik A, Burleyson GP, Bowman H, et al. Surgical repair of ruptured abdominal aortic aneurysms in the state of Maryland: Factors influencing outcome among 527 recent cases. *Journal of Vascular Surgery*. 1998;28(3):413-421.
- 37. Anderson BR, Ciarleglio AJ, Cohen DJ, Lai WW, Neidell M, Hall M, Glied SA, Bacha EA. The Norwood operation: Relative effects of surgeon and institutional volumes on outcomes and resource utilization. *Cardiology in the Young*. 2016 Apr;26(4):683-92.
- 38. Pasquali SK, Jacobs JP, He X, Hornik CP, Jaquiss RD, Jacobs ML, O'Brien SM, Peterson ED, Li JS. The complex relationship between center volume and outcome in patients undergoing the Norwood operation. *The Annals of thoracic surgery*. 2012 May 1;93(5):1556-62.



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- 39. Welke KF, Diggs BS, Karamlou T, Ungerleider RM. The relationship between hospital surgical case volumes and mortality rates in pediatric cardiac surgery: a national sample, 1988–2005. *The Annals of thoracic surgery*. 2008 Sep 1;86(3):889-96.
- Hirsch JC, Gurney JG, Donohue JE, Gebremariam A, Bove EL, Ohye RG. Hospital mortality for Norwood and arterial switch operations as a function of institutional volume. *Pediatric cardiology*. 2008 Jul 1;29(4):713-7.
- 41. Hornik CP, He X, Jacobs JP, Li JS, Jaquiss RD, Jacobs ML, O'Brien SM, Welke K, Peterson ED, Pasquali SK. Relative impact of surgeon and center volume on early mortality after the Norwood operation. *The Annals of thoracic surgery*. 2012 Jun 1;93(6):1992-7.
- 42. Jacobs JP, O'Brien SM, Pasquali SK, Jacobs ML, Lacour-Gayet FG, Tchervenkov CI, Austin III EH, Pizarro C, Pourmoghadam KK, Scholl FG, Welke KF. Variation in outcomes for benchmark operations: an analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. *The Annals of thoracic surgery*. 2011 Dec 1;92(6):2184-92.
- Pasquali SK, Li JS, Burstein DS, Sheng S, O'Brien SM, Jacobs ML, Jaquiss RD, Peterson ED, Gaynor JW, Jacobs JP. Association of center volume with mortality and complications in pediatric heart surgery. *Pediatrics*. 2012 Feb 1;129(2):e370-6.
- 44. Singh JA, Kwoh CK, Boudreau RM, Lee GC, Ibrahim SA. Hospital volume and surgical outcomes after elective hip/knee arthroplasty: a risk-adjusted analysis of a large regional database. *Arthritis & Rheumatism*. 2011 Aug;63(8):2531-9.
- 45. Mufarrih SH, Ghani MO, Martins RS, Qureshi NQ, Mufarrih SA, Malik AT, Noordin S. Effect of hospital volume on outcomes of total hip arthroplasty: a systematic review and meta-analysis. *Journal of Orthopaedic Surgery and Research*. 2019 Dec 1;14(1):468.
- 46. Jolbäck P, Rolfson O, Cnudde P, Odin D, Malchau H, Lindahl H, Mohaddes M. High annual surgeon volume reduces the risk of adverse events following primary total hip arthroplasty: a registry-based study of 12,100 cases in Western Sweden. *Acta orthopaedica*. 2019 Mar 4;90(2):153-8.

47. Lau RL, Perruccio AV, Gandhi R, Mahomed NN. The role of surgeon volume on patient outcome in total knee arthroplasty: a systematic review of the literature. *BMC musculoskeletal disorders*. 2012 Dec;13(1):250.