

A. Statement

I am an experienced data scientist in health services research, specializing in epidemiology, with an extensive publication record, grant-funded research, and managerial experience. The bulk of my research experience is centered around novel analytic approaches leveraging the dynamic data collected across the Veterans Health Administration (VHA). My overarching research interest is improving processes of clinical care which includes surgical outcomes research, quality assessment, and predictive modeling. I have been involved in a multitude of VHA Health Services Research & Development funded and unfunded studies using both administratively and prospectively collected data. I also have acquired funding through the American Heart Association in the form a mentored award.

B. Academic History

Colleges and Universities Attended

2014-2017	Doctor of Philosophy (Ph.D.) / Epidemiology University of Alabama at Birmingham, Birmingham, AL
2004-2006	Master of Public Health (M.P.H.) / Epidemiology University of Alabama at Birmingham, Birmingham, AL
2001-2004	Bachelor of Science (B.S.) / Biology Valdosta State University, Valdosta, GA

Certifications

2010	VA Health Informatics Certificate Program American Medical Informatics Association
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Fellowship Training

12/17 – 4/20	VA Palo Alto Health Care System, Center for Innovation to Implementation (Ci2i), Palo Alto, CA My postdoctoral fellowship included work in health services research at the Center for Innovation to Implementation (Ci2i) within the VA Palo Alto Health Care System. This fellowship allowed me to build skills and acquire training in cost-effectiveness analyses and implementation science. As a fellow, I worked on self-directed research under the guidance of a team of mentors that included a health economist, an implementation scientist, and a practicing surgeon.
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Teaching Experience

3/17 – 6/17	Instructor , Birmingham VA Medical Center, Health Services Research Unit, Birmingham, AL Designed and conducted an 8 lecture training series for new analysts and project coordinators beginning work in Veterans Affairs Health Services Research & Development. Topics covered included responsibilities, sources of information, day-to-day activities, data management, accessing data with the VA Informatics and Computing Infrastructure, data security, and grant applications.
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C. Employment

4/20 – present	Investigator , VA Palo Alto Health Care System, Health Economics Resource Center (HERC), Palo Alto, CA The Health Economics Resource Center (HERC) is a national research resource center in the Veterans Health Administration dedicated to increasing the quality of health economics research and cost-effectiveness studies in the VA. As a HERC Investigator, I lead and collaborate on multiple health services research studies using VA data in addition to other data resources. I also train junior analyst and provide consultations for health services research study designs within the VA.
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- 12/17 – present **Analyst**, Stanford-Surgery Policy Improvement Research & Education (S-SPIRE), Stanford, CA
As an analyst with Stanford University's S-SPIRE Center, I work with investigators and analysts to design and carry out surgical outcomes research studies. Most of my work involves the access, management, and analysis of VA data but a portion of my work is primary data collection outside of the VA and data cleaning and/or analysis of already collected data.
- 1/17 – 8/19 **Investigator**, University of Alabama at Birmingham, Department of Gastrointestinal Surgery, Birmingham, AL
After receiving funding from the American Heart Association for a Mentored Clinical and Population Research Award I transitioned from an analyst to an investigator at with the University of Alabama at Birmingham. My project examined the long-term outcomes of the MOVE! Weight Management Program for Veterans. This 2.5-year experience forms the basis of my interest in implementation science.
- 12/08 – 12/17 **Lead Epidemiologist**, Health Services Research Unit, Birmingham VA Medical Center, Birmingham, AL
Building on over 2 years of experience as a research assistant with the Birmingham VA Medical Center Research Enhancement Award Program in health services research, I worked for another 9 years as the lead epidemiologist at the Center. I managed junior analysts, advised investigators on study designs and analyses, assisted with funding applications, and access, managed, and analyzed data collected from the national VA electronic health record. This position forms the basis of my interests in data science.
- 4/12 – 9/13 **Contracting Analyst**, The Assessment Group, LLC, Birmingham, AL
In addition to my full-time work with the Birmingham VA, I also worked part-time as a contract analyst with a local private company. My duties included advising investigators on study design and analytic techniques as well as analyzing pre-collected data. I averaged 10-15 hours per week during my time with The Assessment Group, LLC.
- 1/12 – 3/12 **Contracting Project Coordinator**, QC Metrix, Inc., Waltham, MA
I worked as a project coordinator for a national study examining the acceptability of a tool designed to improve the safety of surgery. This project involved coordination and data collection from several focus groups of clinicians across the nation. I organized all study meetings, maintained administrative and regulatory paperwork, coordinated focus groups, and worked with an implementation scientist to collect and code data collected from the focus groups.
- 11/07 – 12/08 **Epidemiologist**, Centers for Disease Control and Prevention (CDC) / Atlanta, GA
After completing my Master of Public Health, I took a job as an epidemiologist on the Cytomegalovirus team with the Epidemiology department at the CDC. My duties included data collection, management, and analysis for the Measles, Mumps, Rubella, Varicella, and Herpes Lab. I also coordinated the 2008 International Cytomegalovirus Conference which was based at the CDC that year.
- 6/05 – 10/07 **Research Assistant**, Birmingham VA Medical Center, Birmingham, AL
This was my first experience working in health services and surgical outcomes research. I worked as an analyst on a study examining factors associated with hernia recurrence following surgery. The project involved accessing, managing, and analyzing existing data collected from the VA electronic health record in addition to primary data collection. The primary data collection involved a paper-based survey of 17,000 Veterans who underwent hernia surgery in the VA. I coordinated mailings, collected survey data, and analyzed all study data.
- 5/05 – 08/05 **Research Assistant**, Breast Cancer Surveillance Consortium
As part of my Master in Public Health degree requirements, I worked with the National Institutes of Health Breast Cancer Surveillance Consortium. During my short internship, I learned how to write up study protocols and assisted with basic data analysis of existing data.

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8/03 – 12/03 **Research Assistant**, Valdosta State University, Valdosta, GA
While completing my Bachelor in Science degree, I worked as a research assistant in a biology lab. The project was collecting bovine blood and analyzing components for evidence of inflammatory markers. As part of the assistantship I performed sample preparations, primer design, PCR analysis, mass spectrometry analysis and associated project research.

D. Funding

Pending

2020 – 2022 Funder: VA Health Services Research & Development
Title: Real-time Infection Prediction in Inpatient Postoperative Care
Role: Principal Investigator

Past

2017 – 2019 Funder: American Heart Association (17MCPRP33350072)
Title: Improving Participation and Reducing Acute Cardiovascular Hospitalizations with Weight Management (ReACH)
Role: Principal Investigator

2014 – 2017 Funder: VA Health Services Research & Development (IIR 12-358-3)
Title: Improving Surgical Quality: Risks and Impact of Readmission
Role: Co-Investigator

2011 – 2012 Funder: VA Health Services Research & Development (PPO 10-296)
Title: Measuring Up: Associations between SCIP measures and Surgical Outcomes
Role: Analyst

2010 – 2014 Funder: VA Health Services Research & Development (IIR 09-347-2)
Title: Cardiac Risk and Stent Effect on Adverse Perioperative Outcomes
Role: Lead Data Analyst

2004 – 2009 Funder: VA Health Services Research & Development (IIR 03-247-1)
Title: Mesh Repair for Ventral Hernia: Which Rate is Right?
Role: Analyst

E. Public and Professional Service

2019 – present Ad Hoc Reviewer, *JAMA Network Open*
2019 – present Ad Hoc Reviewer, *Health Affairs*
2019 – present Ad Hoc Reviewer, *BMC Anesthesiology*
2018 – present Ad Hoc Reviewer, *Journal of Surgical Research*

F. Post-Degree Honors and Awards, Including Memberships in Professional Societies

2018-present Surgical Outcomes Club

2017 Lawrence M. Brass Stroke Research Award, American Heart Association / American Stroke Association / American Brain Foundation

2016-present American Medical Informatics Association

2016 Society of Epidemiologic Research

2015-present American Heart Association

2015 – 2016 Graduate Tuition Scholarship, University of Alabama at Birmingham

2010 Academy Health

2008 Society of Epidemiologic Research

2004 – 2005 Public Health Merit Scholarship, University of Alabama at Birmingham

2003 Golden Key International Honour Society Invitation, Valdosta State University

2002 Alpha Epsilon Delta Invitation, Valdosta State University

2001 – 2004 Dean's List, Valdosta State University

2001 – 2004 Odum Scholarship, Valdosta State University
2001 – 2002 Honor Program Participant, Valdosta State University

G. Bibliography

Peer-reviewed original research (68 total, 64 in press, 4 under review)

1. **Graham LA**, Maldonado YA, Tomkins LS, Wald SH, Chawla A, Hawn MT. Asymptomatic SARS-CoV-2 Transmission from Community Contacts in Healthcare Workers. *Ann Surg*. Accepted April 10, 2020.
2. Sambare TD, **Graham LA**, Itani KMF, Morris MS, Moshrefi S, Hawn MT. Impact of Gastrointestinal Surgical Site Wound Complications on Long-term Healthcare Utilization. *J Gastrointest Surg*. 2020 Jan 28. doi: 10.1007/s11605-019-04489-2.
3. **Graham LA**, Malone EB, Richman JS, Carson AP, Affuso O, Knight SJ, Levitan EB. Association of Food Access, Recreational Opportunities and Natural Amenities with Engagement in a Weight Management Program. *Obesity* (Silver Spring). 2020 Jan;28(1):55-64. doi: 10.1002/oby.22640
4. Tabata MM, Rosenthal EL, Arbaugh CJ, Kin C, Kim E, **Graham LA**, Hawn MT. Trends in the Inclusion of Black and Female Surgeons in Invited Visiting Professorships. *JAMA Surg*. 2019 Jul 10. Doi: 10.1001/jamasurg.2019.2137.
5. Hernandez-Boussard T, **Graham LA**, Carroll I, Dasinger EA, Titan AL, Morris MS, Hawn MT. Perioperative Opioid Use and Pain-Related Outcomes in the Veterans Health Administration. *Am J Surg*. 2019 Jun 28. Doi: 10.1016/j.amjsurg.2019.06.022.
6. **Graham LA**, Mull HJ, Wagner TH, Morris MS, Rosen AK, Richman JS, Whittle J, Burns E, Copeland LA, Itani KMF, Hawn MT. Comparison of a Potential Hospital Quality Metric with Existing Metrics for Surgical Quality-Associated Readmission. *JAMA Netw Open*. 2019 Apr 5;2(4):e191313. doi: 10.1001/jamanetworkopen.2019.1313.
7. Dasinger EA, **Graham LA**, Wahl TS, Richman JS, Baker SJ, Hawn MT, Hernandez-Boussard T, Rosen AK, Mull HJ, Copeland LA, Whittle JC, Burns EA, Morris MS. Preoperative opioid use and postoperative pain associated with surgical readmissions. *Am J Surg*. 2019 Feb 28. pii: S0002-9610(18)31532-0. doi: 10.1016/j.amjsurg.2019.02.033.
8. **Graham LA**, Wagner TH, Richman JS, Morris MS, Copeland LA, Harris AH, Itani KM, Hawn MT. Exploring Trajectories of Health Care Utilization Before and After Surgery. *J Am Coll Surg*. 2019 Jan;228(1):116-128. doi: 10.1016/j.jamcollsurg.2018.10.010.
9. Valle JA, **Graham L**, Thiruvoipati T, Grunwald G, Armstrong EJ, Maddox TM, Hawn MT, Bradley SM. Facility-level association of preoperative stress testing and postoperative adverse cardiac events. *Heart*. 2018 Dec;104(24):2018-2025. doi: 10.1136/heartjnl-2018-313047.
10. Wahl TS, **Graham LA**, Morris MS, Richman JS, Hollis RH, Jones CE, Itani KM, Wagner TH, Mull HJ, Whittle JC, Telford GL, Rosen AK, Copeland LA, Burns EA, Hawn MT. Association Between Preoperative Proteinuria and Postoperative Acute Kidney Injury and Readmission. *JAMA Surg*. 2018 Sep 1;153(9):e182009.
11. Mull HJ, **Graham LA**, Morris MS, Rosen AK, Richman JS, Whittle J, Burns E, Wagner TH, Copeland LA, Wahl T, Jones C, Hollis RH, Itani KMF, Hawn MT. Association of Postoperative Readmissions with Surgical Quality Using a Delphi Consensus Process to Identify Relevant Diagnosis Codes. *JAMA Surg*. 2018 Aug 1;153(8):728-737.
12. Jones CE, **Graham LA**, Morris MS, Richman JS, Hollis RH, Wahl TS, Copeland LA, Burns EA, Itani KM, Hawn MT. Association Between Preoperative Hemoglobin A1c Levels, Postoperative Hyperglycemia, and Readmissions Following Gastrointestinal Surgery. *JAMA Surg*. 2017 Nov 1;152(11):1031-1038.
13. Hernandez-Boussard T, **Graham LA**, Desai K, Wahl TS, Aucoin E, Richman JS, Morris MS, Itani KM, Telford GL, Hawn MT. The Fifth Vital Sign: Postoperative Pain Predicts 30-day Readmissions and Subsequent Emergency Department Visits. *Ann Surg*. 2017 Sep;266(3):516-524.
14. Richman JS, **Graham LA**, DeRussy A, Maddox TM, Itani KMF, Hawn MT. Perioperative beta blockers and statins for noncardiac surgery patients with coronary stents. *Am J Surg*. 2017 Aug;214(2):180-185.

15. Wahl TS, **Graham LA**, Hawn MT, Richman J, Hollis RH, Jones CE, Copeland LA, Burns EA, Itani KM, Morris MS. Association of the Modified Frailty Index With 30-Day Surgical Readmission JAMA Surg. 2017 Aug 1;152(8):749-757.
16. Copeland LA, **Graham LA**, Richman JS, Rosen AK, Mull HJ, Burns EA, Whittle J, Itani KM, Hawn MT. A study to reduce readmissions after surgery in the Veterans Health Administration: design and methodology. BMC Health Serv Res. 2017 Mar 14;17(1):198.
17. Armstrong EJ, **Graham LA**, Waldo SW, Valle JA, Maddox TM, Hawn MT. Incomplete Revascularization Is Associated With an Increased Risk for Major Adverse Cardiovascular Events Among Patients Undergoing Noncardiac Surgery. JACC Cardiovasc Interv. 2017 Feb 27;10(4):329-338.
18. Jones CE, Hollis RH, Gullick AA, Wahl T, Richman JS, **Graham LA**, Lucy AT, Chu DI, Morris MS. Venous thromboembolic events: How low can you go? Am J Surg. 2017 Apr;213(4):706-710.
19. Hollis RH, **Graham LA**, Richman JS, Morris MS, Mull HJ, Wahl TS, Burns EA, Copeland LA, Telford GL, Rosen AK, Itani KF, Whittle J, Wagner TH, Hawn MT. Hospital Readmissions after Surgery: How Important are Hospital and Specialty Factors? J Am Coll Surg. 2017 Apr;224(4):515-523.
20. Hollis RH, Holcomb CN, Valle JA, Smith BP, DeRussy AJ, **Graham LA**, Richman JS, Itani KM, Maddox TM, Hawn MT. Coronary angiography and failure to rescue after postoperative myocardial infarction in patients with coronary stents undergoing noncardiac surgery. Am J Surg. 2016 Nov;212(5):814-822
21. Morris MS, **Graham LA**, Richman JS, Hollis RH, Jones CE, Wahl T, Itani KM, Mull HJ, Rosen AK, Copeland L, Burns E, Telford G, Whittle J, Wilson M, Knight SJ, Hawn MT. Postoperative 30-day Readmission: Time to Focus on What Happens Outside the Hospital. Ann Surg. 2016 Oct;264(4):621-31.
22. Valle JA, **Graham LA**, DeRussy A, Itani K, Hawn MT, Maddox TM. Triple Antithrombotic Therapy and Outcomes in Post-PCI Patients Undergoing Non-Cardiac Surgery. World J Surg. 2017 Feb;41(2):423-432.
23. Levitan EB, **Graham LA**, Valle JA, Richman JS, Hollis R, Holcomb CN, Maddox TM, Hawn MT. Pre-operative echocardiography among patients with coronary artery disease in the United States Veterans Affairs healthcare system: A retrospective cohort study. BMC Cardiovasc Disord. 2016 Sep 5;16(1):173.
24. Armstrong EJ, **Graham L**, Waldo SW, Valle JA, Maddox TM, Hawn MT. Patient and lesion-specific characteristics predict risk of major adverse cardiovascular events among patients with previous percutaneous coronary intervention undergoing noncardiac surgery. Catheter Cardiovasc Interv. 2016 Jun 17.
25. Holcomb CN, **Graham LA**, Richman JS, Itani KM, Maddox TM, Hawn MT. The Incremental Risk of Coronary Stents on Postoperative Adverse Events: A Matched Cohort Study. Ann Surg. 2016 May;263(5):924-30.
26. Hollis RH, Singletary BA, McMurtrie JT, Graham LA, Richman JS, Holcomb CN, Itani KM, Maddox TM, Hawn MT. Blood Transfusion and 30-Day Mortality in Patients with Coronary Artery Disease and Anemia Following Noncardiac Surgery. JAMA Surg. 2016 Feb;151(2):139-45.
27. Valle J, **Graham LA**, Thiruvoipati T, Armstrong E, Hawn MT, Maddox TM, Bradley S. Is Preoperative Stress Testing Associated with 30-Day Postoperative Mortality in Patients Prior PCI Undergoing Noncardiac Surgery: Insights from the Veterans Affairs Health Care System. J Am Coll Cardiol. 2016;67(13_S):2110-2110. doi:10.1016/S0735-1097(16)32111-8
28. Blackledge C, **Graham LA**, Gullick AA, Richman J, Stahl R, Grams J. Outcomes associated with preoperative weight loss after laparoscopic Roux-en-Y gastric bypass. Surg Endosc. 2016 Nov;30(11):5077-5083. PMID: 26969666
29. Holcomb CN, Hollis RH, **Graham LA**, Richman JS, Valle JA, Itani KM, Maddox TM, Hawn MT. Association of Coronary Stent Indication with Postoperative Outcomes Following Noncardiac Surgery. JAMA Surg. 2015 Dec 30;1-8. PMID: 26720292
30. Hollis RH, **Graham LA**, Lazenby JP, Brown DM, Taylor BB, Heslin MJ, Rue LW, Hawn MT. A Role for the Early Warning Score in Early Identification of Critical Postoperative Complications. Ann Surg. 2015 Dec 16. PMID: 26692076
31. Killian JT Jr, Holcomb CN, **Graham LA**, Richman JS, Hawn MT. Delays in Surgery for Patients with Coronary Stents Placed After Diagnosis of Colorectal Cancer. JAMA Surg. 2015 Oct 21;1-3. PMID: 26501344

32. Hollis RH, Singletary BA, McMurtrie JT, **Graham LA**, Richman JS, Holcomb CN, Itani KM, Maddox TM, Hawn MT. Blood Transfusion and 30-Day Mortality in Patients with Coronary Artery Disease and Anemia Following Noncardiac Surgery. *JAMA Surg.* 2015 Oct 7;1-8. PMID: 26444569
33. **Graham LA**, Hollis RH, Richman JS, Hawn MT. Frequency of Surgery Cancellations Associated With Myocardial Infarction or Death 6 Months After Coronary Stent Placement. *JAMA Surg.* 2015 Oct 7;1-3. PMID: 26443936
34. Morris MS, **Graham LA**, Chu DI, Cannon JA, Hawn MT. Oral Antibiotic Bowel Preparation Significantly Reduces Surgical Site Infection Rates and Readmission Rates in Elective Colorectal Surgery. *Ann Surg.* 2015 Jun;261(6):1034-40. PMID: 25607761
35. Hollis RH, **Graham LA**, Lazenby JP, Hawn MT. Harnessing the Electronic Medical Record to Identify Patients at Risk for In-Hospital Complications. *Journal of the American College of Surgeons* 221(4):S126
36. Holcomb CN, **Graham LA**, Richman JS, Itani KM, Maddox TM, Hawn MT. The Incremental Risk of Coronary Stents on Postoperative Adverse Events: A Matched Cohort Study. *Ann Surg.* 2015 Apr 17. PMID: 25894416
37. Gullick AA, **Graham LA**, Richman JS, Kakade M, Stahl R, Grams J. Association of Race and Socioeconomic Status with Outcomes Following Laparoscopic Roux-en-Y Gastric Bypass. *Obes Surg.* 2015 Apr;25(4):705-11. PMID: 25304222
38. Armstrong EJ, **Graham LA**, Maddox TM, Hawn MT. Patient and Lesion-specific Characteristics Predict Risk of Major Adverse Cardiovascular Events Among Patients with Previous Percutaneous Coronary Intervention Undergoing Non-Cardiac Surgery. *J Am Coll Cardiol.* 2015 March 65(1): A1798.
39. Holcomb CN, **Graham LA**, Richman JS, Rhyne RR, Itani KM, Maddox TM, Hawn MT. The incremental risk of noncardiac surgery on adverse cardiac events following coronary stenting. *J Am Coll Cardiol.* 2014 Dec 30;64(25):2730-9. PMID: 25541124
40. Hunter JD, **Graham LA**, Obeid A, Grams J. The impact of limb length on weight loss following laparoscopic Roux-en-Y Gastric Bypass. *Journal of the American College of Surgeons* 219(4):e62-e63
41. **Graham LA**, Singletary BA, Richman JS, Maddox TM, Itani KMF, Hawn MT. Did the Revised ACC/AHA Guidelines for Patients with Cardiac Stents Improve Adverse Postoperative Outcomes? *JAMA Surg.* 2014 Sep. Epub ahead of print. PMID: 25188466.
42. Hawn MT, **Graham LA**, Richman JS, Itani KM, Henderson WG, Maddox TM. Risk of Major Adverse Cardiac Events Following Noncardiac Surgery in Patients with Coronary Stents. *JAMA.* 2013 Oct 9;310(14):1462-72. PubMed PMID: 24101118.
43. Hawn MT, Richman JS, Vick CC, Deierhoi RJ, **Graham LA**, Henderson WG, Itani KM. Timing of surgical antibiotic prophylaxis and the risk of surgical siteinfection. *JAMA Surg.* 2013 Jul 1;148(7):649-57. PubMed PMID: 23552769.
44. **Graham LA**, Maddox TM, Itani KM, Hawn MT. Coronary stents and subsequent surgery: reported provider attitudes and practice patterns. *Am Surg.* 2013 May;79(5):514-23. PubMed PMID: 23635588.
45. Hollis RH, **Graham LA**, Richman JS, Deierhoi RJ, Hawn MT. Adverse cardiac events in patients with coronary stents undergoing noncardiac surgery: a systematic review. *Am J Surg.* 2012 Oct;204(4):494-501. Epub 2012 Aug 4. Review. PubMed PMID: 22867724.
46. Hawn MT, **Graham LA**, Richman JR, Itani KM, Plomondon ME, Altom LK, Henderson WG, Bryson CL, Maddox TM. The incidence and timing of noncardiac surgery after cardiac stent implantation. *J Am Coll Surg.* 2012 Apr;214(4):658-66; discussion 666-7. Epub 2012 Feb 16. PubMed PMID: 22341201.
47. Altom LK, **Graham LA**, Gray SH, Snyder CW, Vick CC, Hawn MT. Outcomes for incisional hernia repair in patients undergoing concomitant surgical procedures. *Am Surg.* 2012 Feb;78(2):243-9. PubMed PMID: 22369837.
48. Hawn MT, Houston TK, Campagna EJ, **Graham LA**, Singh J, Bishop M, Henderson WG. The attributable risk of smoking on surgical complications. *Ann Surg.* 2011 Dec;254(6):914-20. PubMed PMID: 21869677.

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49. Vick CC, **Graham LA**, Henderson WG, Houston TK, Hawn MT. Translating Preoperative Smoking Cessation Interventions in Routine Clinical Care of Veterans: Provider Beliefs. *Translational Behavioral Medicine*. 2011 Nov; 1(4): 604-608.
50. Porterfield JR Jr, Altom LK, **Graham LA**, Gray SH, Urist MM, Hawn MT. Descriptive operative reports: teaching, learning, and milestones to safe surgery. *J Surg Educ*. 2011 Nov-Dec;68(6):452-8. doi: 10.1016/j.jsurg.2011.06.015. PubMed PMID: 22000530.
51. Hawn MT, Vick CC, Richman J, Holman W, Deierhoi RJ, **Graham LA**, Henderson WG, Itani KM. Surgical site infection prevention: time to move beyond the surgical care improvement program. *Ann Surg*. 2011 Sep;254(3):494-9; discussion 499-501. PubMed PMID: 21817889.
52. **Graham LA**, Altom LK, Vick CC, Snyder CW, Deierhoi RJ, Hawn MT. Agreement between patient survey and medical chart: Pitfalls in measurement strategies for hernia recurrence. *Surgery*. 2011 ep;150(3):371-8. Epub 2011 Jul 23. PubMed PMID: 21783217.
53. Altom LK, Snyder CW, Gray SH, **Graham LA**, Vick CC, Hawn MT. Outcomes of emergent incisional hernia repair. *Am Surg*. 2011 Aug;77(8):971-6. PubMed PMID: 21944508.
54. Hawn MT, Gray SH, Snyder CW, **Graham LA**, Finan KR, Vick CC. Predictors of mesh explantation after incisional hernia repair. *Am J Surg*. 2011 Jul;202(1):28-33. PubMed PMID: 21741517.
55. Snyder CW, **Graham LA**, Vick CC, Gray SH, Finan KR, Hawn MT. Patient satisfaction, chronic pain, and quality of life after elective incisional hernia repair: effects of recurrence and repair technique. *Hernia*. 2011 Apr;15(2):123-9. Epub 2010 Nov 12. PubMed PMID: 21072550.
56. Snyder CW, **Graham LA**, Gray SH, Vick CC, Hawn MT. Effect of mesh type and position on subsequent abdominal operations after incisional hernia repair. *J Am Coll Surg*. 2011 Apr;212(4):496-502; discussion 502-4. PubMed PMID: 21463777.
57. Hawn MT, Snyder CW, **Graham LA**, Gray SH, Finan KR, Vick CC. Hospital-level variability in incisional hernia repair technique affects patient outcomes. *Surgery*. 2011 Feb;149(2):185-91. PubMed PMID: 21238712.
58. Gough E, Kempf MC, **Graham L**, Manzanero M, Hook EW, Bartolucci A, Chamot E. HIV and hepatitis B and C incidence rates in US correctional populations and high-risk groups: a systematic review and meta-analysis. *BMC Public Health*. 2010 Dec 21;10:777. Review. PubMed PMID: 21176146; PubMed Central PMCID: PMC3016391.
59. Hawn MT, Snyder CW, **Graham LA**, Gray SH, Finan KR, Vick CC. Long-term follow-up of technical outcomes for incisional hernia repair. *J Am Coll Surg*. 2010 May;210(5):648-55, 655-7. PubMed PMID: 20421023.
60. Argo JL, Vick CC, **Graham LA**, Itani KM, Bishop MJ, Hawn MT. Elective surgical case cancellation in the Veterans Health Administration system: identifying areas for improvement. *Am J Surg*. 2009 Nov;198(5):600-6. PubMed PMID: 19887185.
61. Snyder CW, **Graham LA**, Byers RE, Holman WL. Primary sternal plating to prevent sternal wound complications after cardiac surgery: early experience and patterns of failure. *Interact Cardiovasc Thorac Surg*. 2009 Nov;9(5):763-6. Epub 2009 Aug 26. PubMed PMID: 19710069.
62. Gray SH, Vick CC, **Graham LA**, Finan KR, Neumayer LA, Hawn MT. Variation in mesh placement for ventral hernia repair: an opportunity for process improvement? *Am J Surg*. 2008 Aug;196(2):201-6. Epub 2008 May 29. PubMed PMID: 18513688.
63. Gray SH, Vick CC, **Graham LA**, Finan KR, Neumayer LA, Hawn MT. Risk of complications from enterotomy or unplanned bowel resection during elective hernia repair. *Arch Surg*. 2008 Jun;143(6):582-6. PubMed PMID: 18559752.
64. Gray SH, Vick CC, **Graham LA**, Finan KR, Neumayer LA, Hawn MT. Umbilical herniorrhaphy in cirrhosis: improved outcomes with elective repair. *J Gastrointest Surg*. 2008 Apr;12(4):675-81. PubMed PMID: 18270782.

Peer-reviewed publications (other -2 total)

Current as of April 14 2020

1. **Graham LA**, Hawn MT. Learning Curves and the Challenges of Adopting New Surgical Techniques. JAMA Netw Open. 2019 Oct 2;2(10):e1913569. doi: 10.1001/jamanetworkopen.2019.13569
2. **Graham LA**. Databases for surgical health services research: Veterans Health Administration data. Surgery. 2018 Aug 31. pii: S0039-6060(18)30485-9.

Abstracts (Only 1st Author Presentations are Shown, 15 Total)

1. **Graham LA**, Wagner TH, Sambare TD, Hawn MT. Association between Timing and Costs of Post-Operative Wound Complications. American College of Surgeons Clinical Congress 2019. October 29, 2019. San Francisco, CA.
2. **Graham LA**, Wagner TH, Hawn MT. Identifying Postoperative Infections with Trends in Inpatient Temperature. 2019 HSR&D/QUERI National Conference. October 29, 2019. Washington, DC.
3. **Graham LA**, Wagner TH, Sambare TD, Hawn MT. Association between Timing and Costs of Post-Operative Wound Complications. The 21st Annual Emile F. Holman Lecture In Surgery and 10th Annual Resident Research Day. May 3, 2019. Stanford, CA.
4. **Graham LA**, Wagner TH, Richman JS, Morris MS, Copeland LA, Harris AHS, Itani KMF, Hawn MT. Mental Health Conditions Associated with High Healthcare Utilization following Surgery. American College of Surgeons Clinical Congress 2018. October 22, 2018. Boston, MA.
5. **Graham LA**, Malone EB, Richman JS, Knight SJ, Affuso O, Carson AP, Levitan EB. The Effect of Community Characteristics on Weight Management Program Participation. AcademyHealth 2018. June 25, 2018. Seattle, WA.
6. **Graham LA**, Malone EB, Richman JS, Knight SJ, Affuso O, Carson AP, Levitan EB. Long-Term Participant Engagement in Weight Management Programs. American Heart Association / American Stroke Association Quality of Care and Outcomes Research 2018 Scientific Sessions. April 7, 2018. Arlington, VA.
7. **Graham LA**, Wahl T, Richman JS, Morris ME, Hawn MT. Estimating Surgery-Related Readmissions with a Crossover Design. Association of VA Surgeons Annual Meeting. May 8, 2017. Houston, TX.
8. **Graham LA**, Richman JS, Levitan EB. Weight Management program Characteristics: Keeping Patients Engaged Through Group Activities. American Heart Association EPI|Lifestyle 2017. March 8, 2017. Portland, OR.
9. **Graham LA**, Hollis RH, Richman JS, Maddox TM, Itani KM, Hawn MT. Surgical Cancellations due to Preoperative MI or Death are Less Frequent after 6 Months from Stent Placement. Association of VA Surgeons Annual Meeting. May 4, 2015. Miami Beach, FL.
10. **Graham LA**, Singletary BA, Richman JS, Maddox TM, Itani KM, Hawn MT. Did the Revised ACC/AHA Guidelines for Patients with Cardiac Stents Improve Adverse Postoperative Outcomes? Association of VA Surgeons Annual Meeting. April 6, 2014. New Haven, CT.
11. **Graham LA**, Maddox TM, Itani KMF, Hawn MT. Antiplatelet Therapy Management among Patients with Drug-Eluting Stents Undergoing Surgery. Association of VA Surgeons Annual Meeting. April 21, 2013. Milwaukee, WI.
12. **Graham LA**, Maddox TM, Itani KMF, Hawn MT. Drug-Eluting Stents and Subsequent Non-Cardiac Surgery: Provider Attitudes and Practice Habits. Association of VA Surgeons Annual. April 12, 2011. Irvine, CA.
13. **Graham LA**, Vick CC, Coley H, Bishop M, Houston TK, Hawn MT. VA Provider Acceptance of the Current Practice Guidelines for the Treatment of Tobacco Use. Academy Health Annual Research Meeting. June 28, 2010. Boston, MA.
14. **Graham LA**, Vick CC, Coley H, Bishop M, Houston TK, Hawn MT. Preoperative Smoking Cessation: Provider Attitudes on Delay or Refusal of Elective Surgery Based on Smoking Status. Academy Health Annual Research Meeting. June 28, 2010. Boston, MA.
15. **Graham LA**, Cannon MJ, Amin M, Gardner L, Klein RS, Mayer K, Rompalo A, Sobel J, Dollard SC. CMV Seroconversion and Shedding in CVL Specimens among Women with or at Risk for HIV Infection. Congenital Cytomegalovirus Conference, 2008.

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Invited Presentations

1. Overview and Practical Applications of Corporate Data Warehouse (CDW) Utilization Data. VA Data Bootcamp 2018. Palo Alto, CA. October 12, 2018.
2. Nuts and Bolts of VHA Data Warehouse Outcomes Research: What do I need to be successful? VA Surgeons Annual Meeting, Miami, FL. May 7, 2018.
3. Understanding Surgical Readmissions: Model Selection in a World of Big Data. Presented for the Palo Alto Center for Innovation to Implementation, Palo Alto, CA. March 14, 2016.
4. Examining Complex Relationships and Reporting Nonlinear Trends in Surgical Outcomes Research. Presented for Surgical Outcomes Club. June 19, 2014.