

As requested, keep in mind much of literature does not define what they mean by AES or compression stockings. This list is not all inclusive but summarizes the major reference our workgroup used. LK

Review of Literature

#	Reference	Conclusion Statements:
1	Clagett, G. Patrick et al, Prevention of Venous Thromboembolis. <i>Chest</i> . November,1998 Supplement: 531S-545-S	<ul style="list-style-type: none"> • While compression stockings reduce leg DVT, too few data are available to determine if it is effective with proximal DVT and PE. • Effectiveness of compression stockings in at risk patients, malignant disease or high risk surgical patients, has not been sufficiently studied to yield conclusive results. • In many studies, high risk patients had been deliberately excluded from some of the randomized trials. • 15-20% of patients are unable to wear elastic stockings secondary to anatomical characteristics of their lower extremity • Incidence of VTE is higher on orthopedic services and in ICUs than on general medical services • Grade A recommendation based on level I data: Routine use of warfarin, LMW heparin and heparin in adjusted doses for THR patients. Stockings are less effective and should not be used routinely. • Grade A and B recommendations based on level 1 and 2 data: Warfarin or LMW heparin should be used in hip fracture patients. • Grade A recommendation based on level I data: IPC should be used in patients undergoing knee surgery. • Grade A recommendation based on level I data: IPC with or without ES should be used in patients undergoing intracranial neurosurgery. • Grade A recommendation based on level I data: LDH and full dose anticoagulation is effective in patients with MI. • Remaining recommendations regarding AES are Grade C recommendations based on extrapolation of data from other studies.
2	Comerota, A.J., et al, Why Does Prophylaxis with External Pneumatic Compression for Deep Vein Thrombosis Fail? <i>Am. J. of Surg.</i> 1992; 164: 265-268	<ul style="list-style-type: none"> • DVT Prophylaxis using EPC may fail due to operator error and not the method itself. • General ward areas, EPC observed functioning properly 48% of visits compared to 78% in ICU. • Major deficiencies identified with application of compression sleeve
3	Heath, DI, et al, Arterial Thrombosis Associated with Graduated Pressure Antiembolic Stockings. <i>Br Med J.</i> 1987; ii: 580	<ul style="list-style-type: none"> • Hallux amputation resulted in postop THR patient using AES due to tight constriction band which developed just above the ankle. (normal peripheral pulses preoperatively) • Ischemic leg resulted in postop laparotomy patient due to tight constriction band which developed around the upper thigh. 85cm thrombus surgically removed, leg recovered. (normal peripheral pulses preoperatively)
4	Jeffery, P.C., et al, Graduated Compression Stockings in the Prevention of Postoperative Deep Vein Thrombosis. <i>Br. J. Surg.</i> 1990; 77: 380-383	<ul style="list-style-type: none"> • Used alone, stockings reduce the incidence of postoperative DVT by approximately 60% and when used in combination with other methods (LDH or IPC) incidence is further reduced by up to 85%. • Peripheral vascular disease is relative contraindication to the use of compression stockings
5	Mohr, D.N. et al, <i>Arch. Int. Med.</i> 1993;153: 2221-2228	<ul style="list-style-type: none"> • LMWH most effective Prophylaxis against DVT (probability 0.12) • Probability of DVT with no treatment = 0.5 • Probability of DVT with stockings alone= 0.38

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74. Hua HT, Cambria RP, Chuang SK, Stoner MC, Kwolek CJ, Rowell KS, Khuri SF, Henderson WG, Brewster DC, Abbott WM. Early outcomes of endovascular versus open abdominal aortic aneurysm repair in the National Surgical Quality Improvement Program – Private sector (NSQIP-PS). Presented at the NE Soc Vasc Surg 2004 annual meeting, September 17-19, 2004. www.nevsa.org/NESVS_contributions_page/abstracts/2004
75. Itani K, DePalma RG, Sanders KM, Holland GJ, Schiffner T, Henderson WG, Chang BK, Khuri SF, and the National Surgical Quality Improvement Program. Surgical resident supervision and outcomes of care. Oral presentation at the 29th Annual Surgical Symposium Assoc VA Surgeons. March 11-13, 2005. Salt Lake City, UT.
76. El-Tamer M, Ward M, Schiffner T, Neumayer L, Khuri S, Henderson W. Morbidity and mortality following breast cancer in women: National benchmarks. Poster presentation at the American Society of Breast Diseases, March 17-20, 2005. Los Angeles, CA.
77. Khuri SF, Henderson WG, DePalma RG, Mosca C. Determinants of long-term survival following major surgery and the adverse effect of postoperative complications. Oral presentation at the 125th Annual Meeting of the American Surgical Association (ASA). April 14-16, 2005. Palm Beach, FL.
78. Davenport DL, Henderson WG, Khuri S, Mentzer RM. Preoperative risk factors and surgical complexity are more predictive of cost than postoperative complications: case study using the National Surgical Quality Improvement Program (NSQIP) database. Oral presentation at the 125th Annual Meeting of the American Surgical Association (ASA). April 14-16, 2005. Palm Beach, FL.
79. Davenport DL, Henderson WG, Khuri S, Mentzer RM. NSQIP risk-adjusted surgical outcomes are independent of residents' perception of working conditions. Oral presentation at the 125th Annual Meeting of the American Surgical Association (ASA). April 14-16, 2005. Palm Beach, FL.
80. Viehe T, McGehee B, Khuri S, Henderson WG, Yoon ST. Post-operative wound complications following lumbar spine surgery: a review of 18,352 patients. Poster at the 73rd Annual meeting of the American Academy of Orthopedic Surgeons. New Orleans, LA March 8-12, 2005.
81. Hutter MM, Randall S, Khuri SF, Henderson WG, Abbott WM, Warshaw AL. Laparoscopic versus open gastric bypass for morbid obesity: a multicenter, prospective, risk-adjusted analysis from the National Surgical Quality Improvement Program. Presented at the So Surg Assoc Meeting. Dec 6, 2005. Hot Springs, VA.
82. Davenport DA, Bowe EA, Henderson WG, Khuri SF, Mentzer RM Jr. The National Surgical Quality Improvement Program (NSQIP) risk factors can be used to validate American Society of Anesthesiologists Physical Status Classification (ASA PS) Levels. Presented at the So Surg Assoc Meeting. Dec 6, 2005. Hot Springs, VA.
83. Zare SM, Itani K, Schiffner T, Henderson WG, Khuri S. Elective major surgery on Friday leads to higher mortality as compared with Monday through Wednesday. Oral presentation at the 1st Annual Academic Surgical Congress of the SUS. Feb 8-11, 2006, San Diego, CA.
84. Rosen A, Rivard P, Zhaos S, Tsilimingras D, Loveland S, Christiansen C, Henderson WG, Khuri S, Elixhauser A, Romano P. Identification of patient safety events from the VA administrative data: Is it valid? Paper presented at the VA HSR&D annual meeting. February 15-17, 2006. Arlington, VA.
85. Linden PA, Chang MY, Colson YL, Henderson WG, Jaklitsch MT, Khuri S, Lukanich JM, Mentzer SJ, Zellos LS, Yeap BY, Sugarbaker DJ, Bueno R. Morbidity of lung resection following prior lobectomy: results from the VA national Surgical Quality Improvement Program. Oral presentation at the 42nd annual meeting of the STS. January 30-Feb 1, 2006. Chicago, IL

Abstracts Pending Acceptance – need follow-up for this section

1. Livingston EH, Henderson WG, Schiffner TL, DePalma RG. National Surgical Quality Improvement Program (NSQIP) and bariatric surgery: Smoking and superobesity are the predominant risk factors for complications. Presented at the Am Soc Bariatric Surgery meeting. San Francisco, CA. June 26-July 1, 2006 (for publication in *Surgery for Obesity and Related Metabolic Disorders*)

6	Mohr, D.N., et al, Prophylactic Agents for Venous Thrombosis in Elective Hip Surgery. <i>Arch Intern. Med.</i> 1993; 153: 2221-2228 (Meta-analysis)	<ul style="list-style-type: none"> • DVT rates were lowest for LMH, with or without the use of stockings, adjusted dose heparin, and warfarin. • With pairwise comparisons, LMH performed better than every agent with which it was compared. • The addition of stockings to warfarin and LDH, did not add benefit
7	Porteous, M.J. et al, Thigh Length versus Knee Length Stockings in the Prevention of Deep Vein Thrombosis. <i>Br. J. Surg.</i> 1989; 76: 296-297	<ul style="list-style-type: none"> • Below-the-knee stockings are as effective as above-the-knee stockings in the prevention of postoperative deep vein thrombosis • Below-the-knee stockings may be safer given associated tourniquet effect which has been reported
8	Prevention of Venous Thrombosis and Pulmonary Embolism. NIH Consensus Statement 1986; Mar 24-26; 6(2): 1-8.	<ul style="list-style-type: none"> • Identifies high risk patients • Stockings must be carefully fit to gain prophylactic benefit
9	Wells, Philip, et al, Graduated Compression Stockings in the Prevention of Postoperative Venous Thromboembolism. <i>Arch. Intern. Med.</i> 1994; 154: 67-71. (Meta-analysis)	<ul style="list-style-type: none"> • Use of graduated compression stockings for Prophylaxis of venous thromboembolism after moderate risk surgery results in a significant risk reduction. • No conclusions regarding the efficacy of stockings in orthopedic surgery (considered high risk surgery) • No difference in efficacy between knee and thigh high stockings.
10	WWW.orthopaedic.ed.ac.uk/dvt.htm. Policy on Prophylaxis Against Thromboembolism. Royal Infirmary of Edinburgh NHS Trust Directorate of Orthopaedic Surgery.	<ul style="list-style-type: none"> • Prophylaxis prescribed according to identified risk factors and relative contra-indications to pharmacologic anticoagulation • Prophylaxis to continue until patient mobile • Emphasize use of below knee stockings only
11	WWW.uca.edu/glenni/Cardiopulm/cppvdlab.htm.	<ul style="list-style-type: none"> • Differentiation of arterial vs. venous disease important in treatment considerations

Abbreviations

AES	Antiembolism Stockings
DVT	Deep Vein Thrombosis
PE	Pulmonary Embolus
EPC	External Pneumatic Compression
IPC	Intermittent Pneumatic Compression
LDH	Low dose heparin
LMWH	Low molecular weight heparin
SCD	Sequential compression devices

*Publications, Presentations, and Research Projects of the National VA Surgical Risk Study
and the National Surgical Quality Improvement Program (NSQIP) as of July 28, 2006*

Summary (1992-2006)

Peer-reviewed publications: (77), Manuscripts in press: (0)
Manuscripts submitted for peer and editorial review: (5)
Manuscripts under revision or preparation: (32)
Book chapters: (8) and Non-peer reviewed publications: (6)
Abstracts: published (32), presented but non-published (85), pending acceptance (8)
Unpublished manuscripts (0) and chapters (1)
Editorials by others about the NSQIP (11)
Publications using local NSQIP data (1)
Abstracts presented at local meetings by NSQIP SCNRs (5)

Peer-Reviewed Publications

1. Khuri SF, Daley J, Henderson W, Barbour G, Lowry P, Irvin G, Gibbs J, Grover F, Hammermeister KE, Stremple JF, Aust JB, Demakis J, Deykin D, McDonald G, and the participants in the National Veterans Administration Surgical Risk Study. The National Veterans Administration Surgical Risk Study: Risk adjustment for the comparative assessment of the quality of surgical care. *J Am Coll Surg* 1995;180(5):519-531.
2. Khuri SF, Daley J, Henderson W, Hur K, Gibbs JO, Barbour G, Demakis J, Irvin G, Stremple JF, Grover F, McDonald G, Passaro E Jr., Fabri PF, Spencer J, Hammermeister K, Aust BJ, and Oprian C for the participants in the National VA Surgical Risk Study. Risk adjustment of the postoperative mortality rate for the comparative assessment of the quality of surgical care: Results of the National VA Surgical Risk Study. *J Am Coll Surg* 1997;185(4):315-327.
3. Daley J, Khuri SF, Henderson W, Hur K, Gibbs JO, Barbour G, Demakis J, Irvin G, Stremple JF, Grover F, McDonald G, Passaro E Jr., Fabri PF, Spencer J, Hammermeister K, Aust BJ, and Oprian C for the participants in the National VA Surgical Risk Study. Risk adjustment of the postoperative morbidity rate for the comparative assessment of the quality of surgical care: Results of the National VA Surgical Risk Study. *J Am Coll Surg* 1997;185(4):328-340.
4. Daley J, Forbes MF, Young G, Charns MC, Gibbs JO, Hur K, Henderson WG, and Khuri SF for the participants in the National VA Surgical Risk Study. Validating risk-adjusted surgical outcomes: site visit assessment of process and structure. *J Am Coll Surg* 1997;185(4):341-351.
5. Young GJ, Charns MP, Daley J, Forbes MG, Henderson WG, Khuri SF. Best practices for managing surgical services: the role of coordination. *J Healthcare Management Rev* 1997;22(4):85-99.
6. Chen AY, Daley J, Pappas TN, Henderson WG, Khuri SF. Growing use of laparoscopic cholecystectomy in the National Veterans Affairs Surgical Risk Study. *Ann Surg* 1998;227(1):12-24.
7. Longo WE, Virgo KS, Johnson FE, Wade RP, Phelan MA, Henderson WG, Daley J, Khuri SF. Outcome following proctectomy for rectal cancer in Department of Veterans Affairs Hospitals: A report from the National Surgical Quality Improvement Program. *Ann Surg* 1998 228(1):64-70.
8. Khuri SF, Daley J, Henderson WG, Hur K, Demakis J, Aust JB, Chong V, Fabri PJ, Gibbs JO, Grover F, Hammermeister K, Irvin G III, McDonald G, Passaro E Jr., Phillips L, Scamman F, Spencer J, Stremple JF, and the participants in the National VA Surgical Quality Improvement Program. The Department of Veteran's Affairs NSQIP: The first national, validated, outcome-based, risk-adjusted, and peer-controlled program for the measurement and enhancement of the quality of surgical care. *Ann Surg* 1998;228(4):491-507.
9. Young GJ, Charns MP, Desai K, Forbes MG, Henderson WG, Khuri SF, Daley J. Patterns of coordination and clinical outcomes: a study of surgical services. *Health Services Research* 1998;33:1211-1236.
10. Khuri SF, Daley J, Henderson WG, Hur K, Demakis J, Aust JB, Chong V, Fabri PJ, Gibbs JO, Grover F, Hammermeister K, Irvin G III, McDonald G, Passaro E Jr., Phillips L, Scamman F, Spencer J, Stremple JF, and the

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- participants in the National VA Surgical Quality Improvement Program. The Department of Veteran's Affairs NSQIP: The first national, validated, outcome-based, risk-adjusted, and peer-controlled program for the measurement and enhancement of the quality of surgical care. Transactions of the 118th meeting of the American Surgical Association. 1998;CXVI:219-235.
11. Gibbs J, Cull W, Henderson W, Daley J, Hur K, Khuri SF. Preoperative serum albumin level as a predictor of operative mortality and morbidity: results from the National VA Surgical Risk Study. *Arch Surg* 1999;134(1):36-42.
 12. Harpole DH, DeCamp MM, Daley J, Hur K, Oprian CA, Henderson WG, Sugarbaker DJ, Khuri SF, and the participants in the National Veterans Affairs Surgical Quality Improvement Program. Prognostic models of 30-day morbidity and mortality after major pulmonary resection. *J Thorac Cardiovasc Surg* 1999;117(5):969-979.
 13. Collins T, Daley J, Henderson WG, Khuri SF. Risk factors for prolonged length of stay after major elective surgery. *Ann Surg* 1999;290(2):251-259.
 14. Arozullah AM, Ferreira MR, Bennett RL, Gilman S, Henderson WG, Daley J, Khuri S, Bennett CL. Racial variations in the use of laparoscopic cholecystectomy in the Department of Veteran's Affairs medical system. *J Am Coll Surg* 1999;188(6):604-622.
 15. Khuri SF, Daley J, Henderson W, Hur K, Hossain M, Soybel D, Kizer KW, Aust JB, Bell RH, Chong V, Demakis J, Fabri PJ, Gibbs JO, Grover F, Hammermeister K, McDonald G, Passaro E, Phillips L, Scamman F, Spencer J, Stremple JF, and the participants in the VA National Surgical Quality Improvement Program. The relationship of surgical volume to outcome in eight common operations: results from the VA National Surgical Quality Improvement Program. *Ann Surg* 1999;230(3):414-432.
 16. Khuri SF, Daley J, Henderson W, Hur K, Hossain M, Soybel D, Kizer KW, Aust JB, Bell RH, Chong V, Demakis J, Fabri PJ, Gibbs JO, Grover F, Hammermeister K, McDonald G, Passaro E, Phillips L, Scamman F, Spencer J, Stremple JF, and the participants in the VA National Surgical Quality Improvement Program. The relationship of surgical volume to outcome in eight common operations: results from the VA National Surgical Quality Improvement Program. Transactions of the 119th meeting of the American Surgical Association. 1999;CXVII:136-154.
 17. Longo WE, Virgo KS, Johnson FE, Wade RP, Phelan MA, Henderson WG, Daley J, Khuri SF. Outcome following colectomy for colon cancer in the Department of Veterans Affairs: A report from the National Surgical Quality Improvement Program. *Dis Colon Rectum* 2000;43(1):83-91.
 18. Arozullah AM, Daley J, Henderson WH, Khuri SF for the National Veterans Administration Surgical quality Improvement Program. Multifactorial index for predicting postoperative respiratory failure in men after major noncardiac surgery. The National Veterans Affairs Surgical Quality Improvement Program. *Ann Surg* 2000;232(2):242-253.
 19. Rothschild JM, Bates DW, Leape LL. Preventable medical injuries in older patients. *Arch Intern Med* 2000;160:2717-2728.
 20. Corman JM, Penson DF, Hur K, Khuri SF, Daley J, Henderson WG, Krieger JN. Comparison of complications after radical and partial nephrectomy: Results from the National VA Surgical Quality Improvement Program. *Brit J Urology International* 2000;86(7):782-789.
 21. Khuri SF, Daley J, Henderson, W, and the participants in the VA National Surgical Quality Improvement Program. Surgical volume was not related to 30-day mortality in 8 common operations. (from: *The relationship of surgical volume to outcome in eight common operations Ann Surg* 1999;230(3):414-432). *Evidence-Based Medicine/ACP Journal Club* 2000;Mar-Apr 132:72-73.
 22. Weaver F, Hynes D, Goldberg J, Nanda K, Ippolito D, Thakkar B, Khuri S, Daley J, Henderson W. Hysterectomy rates, trends, and outcomes in VA Medical Centers - A six-year review. *Obstetrics and Gynecology*. 2001;97(6):880-884.

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23. Feinglass J, Pearce WH, Martin GJ, Gibbs J, Cowper D, Sorensen M, Henderson WG, Daley J, Khuri S. Postoperative and late survival outcomes after major amputation: findings from the Department of Veterans Affairs National Quality Improvement Program. *Surgery* 2001;130(1):21-29.
24. Gibbs JO, Khuri SF, Clark K, Henderson WG, Demakis J, Daley J. Validating risk-adjusted surgical outcomes: chart review of process of care. *Inter J Health Quality*. 2001;13(3):187-196.
25. Khuri SF, Najjar SF, Daley J, Krasnicka B, Hossain M, Henderson WG, Aust JB, Bass B, Bishop MJ, Demakis J, DePalma R, Fabri PJ, Fink A, Gibbs J, Grover F, Hammermeister K, McDonald G, Neumayer L, Roswell RH, Spencer J, Turnage RH, and the participants in the National Surgical Quality Improvement Program. A comparison of surgical outcomes between teaching and non-teaching hospitals in the Department of Veterans Affairs. *Ann Surg* 2001;234(2):370-382, (discussion 382-383).
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28. Collins TC, Johnson M, Daley J, Henderson WG, Khuri SF, Gordon HS. Preoperative risk factors for 30-day mortality following elective surgery for vascular disease: is race important? *J Vasc Surg* 2001;34(4):634-640.
29. Collins TC, Johnson M, Khuri SF, Henderson WG, Daley J. Lower extremity non-traumatic amputation among veterans with peripheral arterial disease: Is race an independent factor? *Medical Care* 2002;40(1):1106-1116.
30. Horner RD, Oddone EZ, Stechuchak K, Gray J, Khuri SF, Henderson WG, Daley J. Racial variation in postoperative outcomes of carotid endarterectomy: Evidence from the Veterans Affairs National Surgical Quality Improvement Program. *Medical Care* 2002;40(1):I35-43.
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34. Grossman EM, Longo WE, Virgo KS, Johnson FE, Oprian CA, Henderson W, Daley J, Khuri SF. Morbidity and mortality of gastrectomy for cancer in the Department of Veterans Affairs Medical Centers. *Surgery* 2002;131:484-490.
35. O'Brien MM, Gonzales R, Shroyer AL, Grunwald GK, Daley J, Henderson WG, Khuri SF, Anderson RJ. A modest serum creatinine elevation affects adverse outcome in general surgery. *Kidney International* 2002;62:585-592.
36. Fink AS, Campbell DA, Mentzer RM, Henderson WG, Daley J, Bannister J, Khuri SF. The National Surgical Quality Improvement Program in non-VA hospitals: Initial demonstration of feasibility. *Ann Surg* 2002;236(3):344-354.
37. Henderson WG, Khuri SF, Daley J, Jonasson O, Mooney MM, Fink AS, Mentzer RM, Campbell DA, Russell TR. The National Surgical Quality Improvement Program: Demonstration project in non-VA hospitals. *Top Health Info Manag* 2002;23(2):22-32.
38. Samsa G, Oddone EZ, Horner R, Stechuckak K, Daley J, Khuri S, Henderson W, Matchar DB. To what extent should quality of care decisions be based upon health outcome data?: application to carotid endarterectomy. *Stroke*

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2002;33(12):2944-2949.

39. Hur K, Hedeker D, Henderson W, Khuri S, Daley J. Modeling clustered count data with excess zeroes in health care outcome research. *Health Services and Outcome Research Methodology* 2002;3:5-20.
40. Bailey SH, Bull DA, Harpole JJ, Rentz JJ, Neumayer LA, Pappas TN, Henderson WG, Daley J, Krasnicka B, Khuri SF. Outcomes after esophagogastrectomy: a ten-year prospective cohort. *Ann Thorac Surg* 2003;75(1):217-222.
41. Webster C, Neumayer L, Smout R, Horn S, Daley J, Henderson W, Khuri S. Prognostic models of abdominal wound dehiscence after laparotomy. *J Surg Res* 2003;109(2):130-137.
42. Billingsley KG, Hur K, Henderson WG, Daley J, Khuri SF, Bell RH. Outcome after pancreaticoduodenectomy for periampullary cancer: An analysis from the Veterans Affairs National Surgical Quality Improvement Program. *J Gastro Intest Surg*, 2003;7(4):484-491.
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52. O'Hare AM, Feinglass J, Reiber GE, Rodriguez RA, Daley J, Khuri S, Henderson WG, Johansen KL. The influence of renal insufficiency on limb loss and mortality after initial lower extremity surgical revascularization. *J Vasc Surg* 2004;39:709-716.
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56. Atherly FI, Fink AS, Campbell DC, Mentzer RM, Henderson WG, Khuri S, Culler SD. Evaluating alternative risk-adjustment strategies for surgery. *Am J Surg* 2004;188:566-570.
57. Gordon H, Johnson ML, Wray NP, Petersen NJ, Henderson WG, Khuri SF, Geraci JM. Mortality after non-cardiac surgery: prediction from administrative versus clinical data. *Med Care* 2005;43(2):159-67.
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59. Hua HT, Cambria RP, Chuang SK, Stoner MC, Kwolek CJ, Rowell KS, Khuri SF, Henderson WG, Brewster DC, Abbott WM. Early outcomes of endovascular versus open abdominal aortic aneurysm repair in the National Surgical Quality Improvement Program – Private sector (NSQIP-PS). Presented at NE Soc Vasc Surg mtg. *J Vasc Surg* 2005;41:382-389.
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61. Aust JB, Henderson WG, Khuri SF, Page CP. The impact of operative complexity on patient risk factors. *Ann Surg* 2005;241(6):1024-1028.
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70. de la Fuente SG, Khuri SF, Schiffner T, Henderson WG, Mantyh CR, Pappas TN. Comparative analysis of vagotomy and drainage versus vagotomy and resection procedures for bleeding peptic ulcer disease: results of 907 patients from the Department of Veterans Affairs National Surgical Quality Improvement Program database. *J Am Coll Surg* 2006;202(1):78-86.
71. Schroeder RA, Marroquin CE, Bute BP, Khuri S, Henderson WG, Kuo PC. Predictive indices of morbidity and mortality after liver resection. *Ann Surg* 2006;243(3):373-379.

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72. Stoner MC, Abbott WM, Wong DR, Hua HT, Lamuraglia GM, Kwolek CJ, Watkins MT, Agnihotri AK, Henderson WG, Khuri S, Cambria RP. Defining the high-risk patient for carotid endarterectomy: an analysis of the prospective National Surgical Quality Improvement Program database. *J Vasc Surg* 2006;43(2):285-296.
73. Margenthaler J, Longo WE, Virgo KS, Johnson FE, Grossman EM, Schiffner TL, Henderson WG, Khuri SF. Risk factors for adverse outcomes following surgery for small bowel obstruction (SBO). *Ann Surg*. 2006;243(4):4566-464.
74. Bush RL, Johnson ML, Collins TL, Henderson WG, Khuri SF, Yu HJ, Lin PH, Lumsden AB, Ashton CM. Open versus endovascular abdominal aortic aneurysm repair in VA hospitals. *J Am Coll Surg* 2006;202(4):577-587.
75. Hutter MM, Randall S, Khuri S, Henderson WG, Abbott WM, Warshaw AL. Laparoscopic versus open gastric bypass for morbid obesity: a multicenter, prospective, risk-adjusted analysis from the National Surgical Quality Improvement Program. *Ann Surg* 2006;243(5):657-666.
76. Davenport DA, Bowe EA, Henderson WG, Khuri SF, Mentzer RM Jr. The National Surgical Quality Improvement Program (NSQIP) risk factors can be used to validate the American Society of anesthesiologists Physical Status Classification (ASA PS) levels. *Ann Surg* 2006;243(5):636-644.
77. Hollenbeck BK, Miller DC, Taub D, Dunn RL, Khuri SF, Daley J, Henderson WG, Montie JE, Underwood W III, Wei JT. Risk factors for adverse outcomes after transurethral resection of bladder tumors. *Cancer* 2006;106(7):1527-1535.

Manuscripts In Press

Manuscripts Under Editorial Review

1. Bush RL, Johnson ML, Hedayati N, Henderson WG, Lin PH, Lumsden AB. Endovascular aortic aneurysm repair should be performed in high-risk patients: results from the VA National Surgical Quality Improvement Program. (presented at SVS 2006 – *J Vasc Surg*) – suggest withdraw
2. Hollenbeck BK, Miller DC, Taub D, Dunn RL, Khuri SF, Daley J, Henderson WG, Montie JE, Underwood W III, Wei JT. The effects of adjusting for case mix on mortality and length of stay following radical cystectomy. (*Cancer* – July 2005).
3. Livingston EH, Arteburn D, Schiffner TL, Henderson WG, DePalma RG. NSQIP analysis of bariatric surgery: modifiable risk factors contribute to bariatric surgical adverse outcomes. (*JACS* – Oct 2005)
4. Schiffner TL, Grunwald GK, Henderson WG. Processes and structures of care and postoperative morbidity: A study of general surgery at Veterans Affairs Medical Centers. (Submitted to *Med Care* 8-5-05)
5. Zare SM, Itani KM, Schiffner T, Henderson WG, Khuri SF. Elective major surgery leads to higher mortality when performed on Friday versus Monday through Wednesday. (Submitted to *JAMA* – March 2006)

Manuscripts In Preparation or Under Revision

1. Alissa H, Mak E, etc. Impact of body mass on total knee replacement (ortho journal)
2. Arozullah AM, Khan NA, Henderson WG, Khuri SF, Daley J. Risk factors for mortality subsequent to postoperative pneumonia among patients undergoing major non-cardiac surgery.
3. Chertow GM, Henderson WG, Khuri SF, Daley J. Acute renal failure (ARF) after non-cardiac surgery: risks and outcomes from the National VA Surgical Risk Study. (West Roxbury and San Francisco VAMCs, manuscript in preparation).
4. Chertow GM, Henderson WG, Khuri SF, Daley J. Surgical mortality and morbidity in patients with end-stage renal disease (ESRD). (Provisional acceptance at *Ann Intern Med*, author revision in progress).

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5. Daley J, Materko M, Hur K, Henderson WG, Khuri SF. The association of patient-reported satisfaction with surgical care and risk-adjusted morbidity and mortality. (West Roxbury VAMC/MRDC/NCFC)
6. Desprez RD, Friesinger GC, Reed GW, Daley J, Henderson WG, Hur K, Khuri SF and the participants in the National Veterans' Affairs Surgical Risk Study and Quality Improvement Program. A simple accurate model for predicting myocardial infarction after general surgery.
7. Farooq MM, Kashyap VS, Gelabert HA, Ahn SS, Baker JD, Quinones-Baldrich WJ, Moore WS, Taw MB, Khuri SF, Daley J, Henderson W, Freischlag JA. Outcome assessment of abdominal aortic aneurysmorrhaphy utilizing the National Veterans Affairs Surgical Quality Improvement Program (NSQIP) Registry: A comparison with the UCLA Medical Center. (Revise and resubmit to J Vasc Surg, Sept 2000; needs Executive Committee review and approval prior to submission)
8. Gangireddy C, Rectenwald J, Upchurch G, Wakefield T, Khuri S, Henderson WG, Henke P. Current risk factors and clinical impact of postoperative venous thromboembolism. (presented at SVS 2006, under revision)
9. Gibbs JO, Phelan M, Henderson WG, Daley J, Hur K, Khuri SF, et al. Predictors of hospital readmission after surgery: results from the National VA Surgical Risk Study. (Henderson to review for resubmission).
10. Grossman / Longo, et al. Association of anesthetic technique with postoperative myocardial infarction. (in preparation).
11. Hajj EE, Najjar SF, Daley J, Forbes MF, Henderson WG, Khuri SF, and the participants in the National VA Surgical Risk Study. Mortality and complications after eight common surgical operations: Benchmark comparisons with the National VA Surgical Risk Study. (Boston VAMC).
12. Hodgson, et al. Healthcare system performance and employee satisfaction: The VHA experience.
13. Hollenbeck BK, Miller DC, Taub D, Dunn RL, Khuri SF, Henderson WG, Underwood W III, Montie JE, Wei JT. Elements of structure and process of care with morbidity and mortality outcomes after transurethral resection of bladder tumors. J Clin Oncol.
14. Hollenbeck BK, Miller DC, Taub D, Dunn RL, Khuri SF, Daley J, Henderson WG, Montie JE, Underwood W III Wei JT. Risk factors for adverse outcomes after transurethral resection of bladder tumors. (see 2005 paper)
15. Hynes D, Weaver F, Ippolito D, Thakkar B, Morrow M, Folk F, Mallard M, Khuri S, Daley J, Henderson W. Characteristics and outcomes of mastectomy and lumpectomy patients treated at VA hospitals: Results from a National study. (For submission to J Women's Health).
16. Ibrahim SA, Stone RA, Han X, Sartorius J, Cohen PZ, Fine MJ, Henderson WG, Khuri S, Kwok CK. Race/ethnicity and length of hospital stay following knee or hip arthroplasty: an analysis of the National Surgical Quality Improvement Program database. (J Bone Joint Surg Amer – under revision)
17. Johnson ML, Bush RL, Collins TC, Liles DA, Henderson WG, Khuri SF, Petersen LA. The value of propensity score analysis in observational studies: outcomes following abdominal aortic aneurysm repair. (under revision for Am J Surg submission).
18. Kezirian EJ, Weaver EM, Yueh B, Khuri SF, Daley J, Henderson WG. Risk factors for serious complications after uvulopalatopharyngoplasty. (approved by ExBrd for submission to Sleep or Laryngology)
19. Khuri SF, Najjar SF, Daley J, Krasnicka B, Hossain M, Henderson WG, Aust JB, Bass B, Bishop MJ, Demakis J, DePalma R, Fabri PJ, Fink A, Gibbs J, Grover F, Hammermeister K, McDonald G, Neumayer L, Roswell RH, Spencer J, Turnage RH, and the participants in the National Surgical Quality Improvement Program. A comparison of surgical outcomes in the VA to the published national surgical experience. (submit to Am J Surg).
20. Kim HS, Khuri SF, Henderson WG,, Daley J for the participants in the National Surgical Quality Improvement Program. The development and validation of a multivariate model and simplified risk index to predict deep surgical

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- site infections after major non-cardiac surgery. (to combine with paper #6)
21. Kim HS, Khuri SF, Henderson WG, Daley J for the participants in the National Surgical Quality Improvement Program. The relationship between age and deep surgical site infection after major non-cardiac surgery. (combine with #5).
 22. Linden PA, Yeap BY, Chang MY, Henderson WG, Jaklitsch MT, Khuri S, Sugarbaker DJ, Bueno R. Morbidity of lung resection following prior lobectomy: results from the VA National Surgical Quality Improvement Program. (presented at STS 2006)
 23. Neumayer L, Rowley K, Spencer J, Denwood R, Khuri S, Daley J, Henderson WG. Best practices from the NSQIP. (Under revision -Am J Surg 2004)
 24. Oprian C, Henderson WG, Hur K, Daley J, Khuri SF and the Participants in the National VA Surgical Risk Study. Development of a postoperative complication score for major surgery. (Hines VAMC)
 25. Rentz J, Bull D, Harpole D, Bailey S, Neumayer L, Pappas T, Krasnicka B, Henderson WG, Daley J, Khuri S. A comparison of colon interposition to gastric pull up for esophageal replacement. (Submitted to J Thorac Cardiovasc Surg – July 2002).
 26. Seto T, Daley J, Henderson WG, Khuri SF. Do-not-resuscitate patients undergoing major surgery: results from the National VA Surgical Quality Improvement Program. (West Roxbury VAMC, manuscript in preparation).
 27. Singh N, Sidawy AN, DeZee K, Neville RF, Weiswasser J, Arora S, Aidinian G, Abularrage C, Adams E, Khuri S, Henderson WG. The effect of the type of anesthesia on outcomes of lower extremity infrainguinal bypass. (presented at Eastern Vasc Soc 2006)
 28. Viehe TB, McGehee JB, Khuri S, Henderson WG, Yoon ST. Post-operative wound complications following lumbar spine surgery: a review of 18,352 patients. (in preparation)
 29. Weaver, et al. Quantifying and predicting risk of serious complications after sleep apnea surgery in veterans. (in preparation – see Kezerian abstract in Sleep 2003).
 30. Yeuh – need title information
 31. Yoon ST, Viehe T, Mcgehee B, Khuri S, Henderson WG. The relative importance of diabetes and smoking in postoperative wound complications. (In preparation 2006 for Spine)
 32. Inabet, Hanks – need information

Book Chapters and Non-Peer Reviewed Publications
Chapters

1. Khuri SF and Daley J. The National Surgical Risk Program. In: Barbour G, ed. Redefining A Public Health System. Jossey/Bass/Division of Scribner. San Francisco.1996;Chpt 12:156-166.
2. Hassanein W, Hur K, Daley J, Henderson W, Khuri SF. Predictors of mortality following vascular surgery in the elderly. In: Aronow WS, Stemmer EA, Wilson SE, eds. Vascular Disease in the Elderly. Futura Publishing Co. Armonk, NY. 1997;Chpt 24:515-521.
3. Khuri SF, Daley J, Henderson WG. The measurement of quality in surgery. In: Cameron JL, eds. Advances in Surgery. Mosby Inc., St. Louis, MO. 1999;33:113-140.
4. Charns MP, Young GJ, Henderson WG, Khuri SF, Daley J. Coordination and patient care outcomes. In Kimberly J and Miniville E, eds. The Quality Imperative. London: Imperial College Press 2000; Chpt 4:49-78.
5. Daley J, Henderson WG, Khuri SF. Risk-Adjusted Surgical Outcomes. In: Caskey CT, Austin C, and Hoxie J, eds. Annual Review of Medicine: Selected topics in the Clinical Sciences. Palo Alto, CA. 2001;52:275-287.

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6. Khuri SF, Hussaini BE, Kumbhani DJ, Healey NA, Henderson WG. Does volume help predict outcome in surgical disease? In: *Advances in Surgery*. Ed: J Cameron. Elsevier. Philadelphia, PA. 2005;39:379-453.
7. Campbell DA, Henderson WG, Khuri SF. Assessing surgical quality with clinical outcome measures. In: *Complications in Surgery 1st ed.* Eds: M Mulholland and G Doherty. Lippincott, Williams and Wilkins. Burlington, MA. 2005, chpt 7:45-56.
8. Henderson WG and Khuri SF. Risk adjustment. In: Wei JT and Penson DF, eds. *Clinical Research Methods for the Surgical Disciplines*. Humana Press. Totowa, NJ. 2006 (in press)

Non-Peer Reviewed Publications

1. Daley J. Invited commentary: About the National VA Surgical Quality Improvement Program. *VA HSR&D Forum* 1998;Nov: p 1-2.
2. Young GJ, Charns MP. Best practices for surgical services. *VA HSR&D Forum* 1998;Nov:p4-5.
3. Gibbs J, Daley J, Lowry P, Henderson W, Demakis K, Khuri SF. The National VA Surgical Risk Study. *VA Practitioner*, August 1992;9(8):43-50.
4. Daley J, Khuri S. The National VA Surgical Risk Study. *HSR&D Forum*. 1993;summer/fall:p4&7.
5. Daley J, Iezzoni LI, Khuri SF. Letter to the Editor. Complication rate as a measure of quality of care. *JAMA* 1995;274(21):1674-1675.
6. Khuri SF, Daley J, Henderson W. Response: commentary by Birkmeyer JD on Khuri SF, et al. The relationship of surgical volume to outcome in eight common operations. *Ann Surg* 2000;232(5):724-725.

Abstracts - Published

1. Desprez R, Friesinger GC, Reed GW, Daley J, Henderson W, Hur K, and Khuri S. A simple accurate model for predicting myocardial infarction after general surgery. *Circulation* 1995;92(8) suppl:1-744 (Presented at the 68th Annual Scientific Session of the American Heart Association,1995).
2. Geraci JM, Johnson ML, Gordon HS, Petersen JH, Daley J, Hur K, Henderson WG, Khuri SF, Wray NP. Mortality after non-cardiac surgery: Prediction from administrative versus clinical data. *J Gen Int Med* 2000;15(suppl1):116. (Talk presented at the Research Symposium on Quantitative Methods, Society of General Internal Medicine Annual Meeting. Boston, May 5, 2000).
3. Collins TC, Gordon HS, Johnson M, Daley J, Henderson WG, Khuri SF. Racial variation in observed to expected mortality following elective surgery for vascular disease. *J Gen Intern Med* 1999;14(suppl):20.
4. Budiman-Mak E, Weaver F, Hynes D, Ippolito D, Thakkar B, Gibbs J, Wixson R, Hopkinson W, Khuri S, Daley J, Henderson W. Joint replacement in veterans: Are risks and outcomes different by gender? *Arthritis Rheum* 2000;43(suppl):S215.
5. O'Brien MM, Gonzales R, Shroyer L, Grunwald G, Daley J, Henderson W, Khuri S, Anderson RJ. A modest serum creatinine elevation is independently associated with post-operative morbidity and mortality. *JSGIM* 2001;16(suppl D):113.
6. Arozullah AM, Henderson WG, Khuri S, Daley J. Predictors of failure to rescue from postoperative pneumonia in patients undergoing major non-cardiac surgery. *JSGIM* 2001;16(suppl I):114.
7. Arozullah AM, Henderson WG, Khuri S, Daley J. How well do postoperative mortality and pulmonary complications correlate at the hospital level? *JSGIM* 2001;(suppl I):185.
8. Schwartz S, Yueh B, Maynard C, Daley J, Henderson WG, Khuri SF. Predictors of Wound Complication after

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- Head and Neck Surgery. Presented at the 2001 AAO-HNSF/ARO Research Forum. September 9-12, 2001. Denver, CO. Archives of Otolaryngology: head and neck surgery 2001;August 1:p100.
9. Hamel MB, Henderson WG, Khuri SF, Daley J. Surgical outcomes for patients age 80 or older: morbidity and mortality from non-cardiac surgery. JSGIM 2002;16(suppl I):
 10. Souder JE, Bishop MJ, Domino KB, Khuri S, Henderson W, Daley J. Role of anesthetic care in unexpected perioperative deaths in Veterans Affairs hospitals. Presented at the 77th Annual International Anesthesia Research Society Meeting. March 25, 2003. New Orleans, LA. Anesth Analg 2003;96:S-104.
 11. Kezirian EJ, Weaver EM, Yeah B, Deyo RA, Daley J, Henderson WG, Khuri SF. Predictors of serious complications after uvulopalatopharyngoplast. Poster presentation at the 17th annual Associated Professional Sleep Societies (APSS) Meeting. June 3-8, 2003, Chicago, IL Sleep 2003; 26:A244.
 12. O'Hare A, Sidawy AN, Feinglass J, Merine KM, Daley J, Henderson W, Khuri S, Johansen KL. Limb loss after lower extremity revascularization in patients with renal insufficiency. Poster (PO916) presentation at 36th Annual Meeting of the Am Soc Neph. San Diego, CA. Nov 14, 2003. J Am Soc Nephrol 2003;14:A263-A264.
 13. O'Hare A, Feinglass J, Reiber GE, Rodriguez RA, Daley J, Khuri S, Henderson W, Johansen KL. Post-operative mortality after non-traumatic lower extremity amputation in patients with renal insufficiency. Poster (PO661) presentation at 36th Annual Meeting of the Am Soc Neph. San Diego, CA. Nov 16, 2003. J Am Soc Nephrol 2003;14:A263-A264.
 14. Ibrahim SA, Stone R, Han X, Henderson WG, Khuri S, Kwoh CK. Race/ethnicity-specific mortality and complication rates after knee replacement. Oral presentation at the 27th Annual Society Gen Intern Med (SGIM). Chicago, IL May 14, 2004. JSGIM 2004;19(suppl I):201.
 15. Hollenbeck BK, Miller DC, Dunn RL, Underwood W III, Khuri SF, Daley J, Henderson WG, Wei JT. Characterization of surgical complications following radical cystectomy in a multi-institutional setting. Accepted to American Urological Association National Meeting. San Francisco, CA May 8-13, 2004. J Urology 2004;171(suppl)#137. check title = Factors associated with increased resource utilization following radical cystectomy.
 16. Stoner MC, Wong DR, Agnihotri AK, Hua HT, Rowell KS, Henderson WG, Khuri S, Cambria RP, Abbott WM. A multicenter prospective analysis of 12,000 carotid endarterectomies. Presented at the 90th ACS Surgical Forum. Oct 10-14, 2004. New Orleans, LA. JACS 2004;119(3S):S72.
 17. Souder JE, Bishop MJ, Henderson WG, Mosca C, Khuri SF. Pre-existing medical conditions as predictors of death on the day of surgery. Poster presentation at Amer Soc Anesth Annual Meeting. October 27, 2004. Las Vegas, NV. <http://www.asaabstracts.com>
 18. Hua HT, Chuang SK, Stoner MC, Kwolek CJ, Rowell KS, Henderson WG, Cambria RP, Abbott WA. Early outcomes of endovascular versus open abdominal aortic aneurysm repair in the National Surgical Quality Improvement Program – Private Sector (NSQIP-PS). Poster presentation at the New England Society for Vascular Surgery. September 18, 2004. Whitefield, NH. <http://www.nesvs.org/NESVS>.
 19. Hollenbeck BK, Miller DC, Taub D, Dunn RL, Khuri SF, Henderson WG, Montie JE, Underwood W III, Wei JT. Incremental risk of mortality associated with multiple complications following bladder cancer surgery. Accepted to the Amer Urol Assoc Annual Meeting. San Antonio, TX. May 21-26, 2005. J Urology 2005; (in press).
 20. Adams E, DeZee KJ, Sidway AN, O'Hare A, Singh N, Daley J, Khuri SF, Henderson WG. Effect of preoperative renal function on outcome for open abdominal aortic aneurysm repair. Presented at the 19th Annual Eastern Vasc Soc Meeting, Pittsburgh, PA, May 5-7, 2005. <http://evs.vascularweb.org/EVS>. Manuscript - J Vasc Surg.
 21. Singh N, Sidawy AN, Dezee K, Neville RF, Weiswasser J, Aidinian G, Abularrage C, Adams E, Henderson WG, Khuri SF. Anesthesia for lower extremity infrainguinal bypass: does it matter? Presented at the Annual Eastern Vasc Soc Meeting, Pittsburgh, PA. <http://evs.vascularweb.org/EVS>. Manuscript - J Vasc Surg

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45. Weaver F, Hynes D, Ippolito D, Thakkar B, Gibbs J, Budiman-Mak E, Wixson R, Hopkinson W, Khuri S, Daley J, Henderson W. Total joint replacement outcomes for men and women treated at VA Hospitals: Results from a National Study. Presented at the VA Health Services R&D Annual Meeting. March 2000.
46. Weaver F, Hynes D, Ippolito D, Thakkar B, Gibbs J, Budiman-Mak E, Wixson R, Hopkinson W, Khuri S, Daley J, Henderson W. Total joint replacement outcomes for men and women treated at VA Hospitals: Results from a National Study. Presented at the Institute for Health Services Research and Policy Studies. Northwestern University. April 2000.
47. Farooq MM, Gelabert HA, Khuri SF, Daley J, Henderson WG, Freischlag JA. Axillofemoral bypass: Outcomes assessment utilizing the National Veterans Affairs Surgical Quality Improvement Program (NSQIP) Registry. Presented at the 24th Annual Surgical Symposium of the Association of VA Surgeons. April 9, 2000. Seattle, WA.
48. Corman JM, Penson DF, Hur K, Khuri SF, Daley J, Henderson WG, Krieger JN. Partial versus radical nephrectomy: are morbidity and mortality comparable? Results from the National VA Quality Improvement Program. Presented at the 24th Annual Surgical Symposium of the Association of VA Surgeons. April 10, 2000. Seattle, WA.
49. Seto TB, Khuri S, Henderson W, Daley J. DNR in the OR: Surgical outcomes from the National Veterans Affairs Surgical Quality Improvement Program. Presented at the Hawaiian Chapter of the ACP 2000.
50. O'Brien M, Gonzales R, Shroyer AL, Grunwald G, Khuri SF, Daley J, Henderson WG, Anderson R. Impact of mild to moderate renal insufficiency upon risk-adjusted surgical outcomes of care. Poster presented at the Health Services Research & Development. Annual Meeting. February 15, 2001. Washington, D.C.
51. Collins TC, Johnson M, Daley J, Henderson WG, Khuri SF. Risk factors for lower extremity non-traumatic amputation in peripheral arterial disease: Is race/ethnicity an independent factor? Talk presented at the Health Services Research & Development. Annual Meeting. February 15, 2001. Washington, D.C.
52. Bobulsky MA, Spencer J, Henderson WG, Daley J, Khuri S. Assessing inter-rater reliability and nurse competency in the National Surgical Quality Improvement Program. Poster presented at the Health Services Research & Development. Annual Meeting. February 15, 2001. Washington, D.C.
53. Khuri SF, Najjar SF, Krasnicka B, Hossain M, Henderson WG, Daley J. A comparison of surgical outcomes between teaching and non-teaching hospitals in the Department of Veterans Affairs (VA). Talk presented at the 121st Annual Meeting of the American Surgical Association. Colorado Springs, CO. April 26-28, 2001.
54. Najjar SF, Al-Hajj A, Daley J, Henderson W, Khuri SF. Comparison of surgical outcomes in the VA to the published national surgical experience. Talk presented at the 25th Scientific Symposium of the Association of VA Surgeons. May 2001.
55. Axelrod D, Hayward R, Demonner S, Stanley J, Khuri S, Upchurch G Jr. The impact of diabetes mellitus on mortality and morbidity following vascular operations. Talk presented at 2001 Amer Coll Surg Clinical Congress. New Orleans, LA October 7-12, 2001.
56. Axelrod D, Hayward R, Demonner S, Stanley J, Khuri S, Upchurch G Jr. The impact of diabetes mellitus on mortality and morbidity following vascular operations. Talk presented at the Midwest Vascular Society. Chicago, IL. Sept 21-22, 2001.
57. Hynes D, Weaver F, Ippolito D, Thakkar B, Budiman-Mak E, Khuri S, Daley J, Henderson W. Breast surgery outcomes for patients treated at VA hospitals: results from a national study. Poster presented at the First Interagency Research Symposium on Health Issues of Military and Veteran Women. September 20-21, 2001.
58. Weaver F, Hynes D, Ippolito D, Thakkar B, Budiman-Mak E, Khuri S, Daley J, Henderson W. Outcomes of hysterectomy in VA hospitals. Poster presented at the First Interagency Research Symposium on Health Issues of Military and Veteran Women. September 20-21, 2001.
59. Weaver F, Hynes D, Ippolito D, Thakkar B, Budiman-Mak E, Khuri S, Daley J, Henderson W. Comparison of risks

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22. Kumbhani DJ, Henderson WG, Khuri SF. Relationship of surgical volume to outcomes in the VA revisited. Presented at the 91st Annual ACS Forum, October 16-20, 2005. JACS 2005; 201;3(suppl):S65-66.
23. Margenthaler JA, Longo WE, Virgo KS, Johnson FE, Grossman EM, Schiffner TL, Henderson WG, Khuri SF. Risk indices predict adverse outcomes following surgery for small bowel obstruction. Presented at the 91st Annual ACS Forum, October 16-20, 2005. JACS 2005; 201;3(suppl):S72-73.
24. Lowy E, Sales AE, Sharp ND, Greiner GT, Li YF, Henderson WG, Khuri SF. Nursing factors and surgical outcomes in VHA. Presented at the Annual Meeting Academic Health, Boston, MA June 26-28, 2005. <http://www.academyhealth.org/2005/quality.pdf>
25. Tsilimingras D, Romano PS, Rivard PE, Christiansen CL, Henderson WG, Elixhauser A, Zhao S, Loveland S, Khuri SF, Rosen AK. Validating AHRG PSIs with NSQIP post-operative adverse events. Presented at the Annual Meeting Academic Health, Boston, MA June 26-28, 2005. <http://www.academyhealth.org/2005/quality.pdf>
26. Yoon TS, et al. The relative importance of diabetes and smoking in postoperative wound complications. Presented at the 21st Annual North American Spine Society Meeting. Seattle, WA September 26-30, 2006.
27. Bush RL, Hedayati N, Johnson ML, Henderson WG, Khuri S, Lin PH, Lumsden AB. Endovascular aortic aneurysm repair should be performed in high-risk patients. Accepted for presentation at the 60th annual Soc Vasc Surg meeting. Philadelphia, PA. June 2-4, 2006. http://www.vascularweb.org/_contribution_pages/annual_meeting/abstracts/2006/Bush
28. Gangireddy C, Rectenwald J, Upchurch G, Wakefield T, Khuri S, Henderson WG, Henke P. Current risk factors and clinical impact of postoperative venous thromboembolism. Accepted for presentation at the 60th annual Soc Vasc Surg meeting. Philadelphia, PA. June 2-4, 2006. http://www.vascularweb.org/_contribution_pages/annual_meeting/abstracts/2006/Gangireddy
29. Ku J, Sen S, Kane CJ, Cason BA. The effect of case volume and resident participations on resources used for radical retropubic prostatectomy: a preliminary report. Presented at the Western American Urological Association. (WAUA). Maui, Hawaii. October 22-27, 2006.
30. Abularrage CJ, Weiswasser JM, Disawy AN, DeZee KJ, Douglas KJ, Shimeall WI, Singh N, Arora S, Schiffner T, Khuri S, Henderson WG. Predictors of lower extremity arterial injury after total knee or total hip arthroplasty. Accepted to 20th Eastern Vascular Society meeting. Washington, DC. September 28-32, 2006. http://evs.vascularweb.org?EVS_Contribution_Pages/Annual_Meeting/Abstracts_Program/2006/Abularrage
31. Aidinian G, White PW, DeZee K, Abularrage CJ, Singh N, Weiswasser JM, Arora S, Henderson WG, Khuri S, Sidawy AN. Effect of various levels of renal insufficiency on the outcome of carotid endarterectomy. Accepted to 20th Eastern Vascular Society meeting. Washington, DC. September 28-32, 2006. http://evs.vascularweb.org?EVS_Contribution_Pages/Annual_Meeting/Abstracts_Program/2006/Aidinian
32. Singh N, Sidawy AN, DeZee K, Neville RF, Weiswasser J, Arora S, Aidinian g, Abularrage C, Adams E, Khuri S, Henderson WG. The effect of the type of anesthesia on outcomes of lower extremity infrainguinal bypass. Presented at the Eastern vascular Surgery annual meeting. Pittsburgh, PA. May 5-7, 2006. (for J Vasc Surg)

Abstracts - Presented Non-Published:

1. Daley J, Gibbs JO, Lowry PA, Henderson W, Demakis J, Khuri SF. The National Veterans Affairs Surgical Risk Study. Talk presented at the VA HSR&D Meeting of the Association of VA Surgeons. Albuquerque, New Mexico. April, 1992.
2. Daley J, Gibbs JO, Khuri S, Henderson W. National VA Surgical Risk Study. Poster presented at the Annual Meeting of the Health Services Research and Development Service, Department of Veterans Affairs, Washington, D.C. April 13-15, 1992.
3. Gibbs J, Bos M, Forbes M, Daley J. Validation of surgical risk models for detecting quality of care. Poster presented at the Annual Meeting of the Health Services Research and Development Service, Department of Veterans

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- Affairs, Washington, D.C. April 19-21, 1993.
4. Harpole DH, DeCamp MM, Daley J, Hur K, Oprian CA, Henderson WG, Sugarbaker DJ, Khuri SF, and the Participants in the National VA Surgical Risk Study. Prognostic models of 30-day morbidity and mortality after major pulmonary resection. Talk presented at the 31st Annual Meeting of the Society of Thoracic Surgeons. Palm Springs, CA Feb 1, 1995.
 5. Gibbs J, Cull W, Khuri S, Daley J, Henderson W. Cost and effectiveness of serum albumin testing. Talk presented at Annual Meeting of the American Association for Clinical Chemistry. Anaheim, CA. July 17, 1995.
 6. Hur K. A SAS macro for validating a logistic model with split sampling and bootstrapping methods. Talk presented at SUGI, 1995.
 7. Weaver FM, Hynes DM, Gibbs JO, Cull W, Khuri SF, Daley J, Henderson W. A description of women veteran surgery patients. Poster presented at the 14th Annual HSR&D Service Meeting, Seattle, WA. February, 1996.
 8. Gibbs J, Cull W, Khuri S, Daley J, Henderson W. Serum albumin as a predictor of surgical outcomes. Poster presented at Annual Meeting of the Health Services Research and Development Service, Department of Veterans Affairs, Washington, D.C. February 1, 1996.
 9. Gibbs J, Cull W, Khuri S, Daley J, Henderson W. Serum albumin as a predictor of surgical mortality and morbidity: results from the National VA Surgical Risk Study. Poster presented at Annual Meeting of the Association for Health Services Research. Atlanta, GA. June 9-11, 1996.
 10. Aust JB. Symposium on resident education in geriatric surgery. San Antonio, Texas: 1996.
 11. Khuri SF. Outcome as a measurement of quality of care in cardiovascular disease. Talk presented at the 19th National Convention of the American Arab Medical Association. Washington, DC. August 28-31, 1997.
 12. Gibbs J, Phelan M, Khuri S, Daley J, Henderson W. Determinants of rehospitalization after surgery: results from the National VA Surgical Risk Study. Poster presented at the Annual Meeting of the Association for Health Services Research. Chicago, IL. June 15-17, 1997.
 13. Longo WE, Virgo KS, Phelan MA, Henderson WG, Daley J, Khuri SF, Wade TP, Johnson FE. Prediction of complications following colectomy for rectal cancer in the Department of Veterans Affairs Hospitals: a report from the National Surgical Quality Improvement Program. Presented at the 21st Annual Meeting of the Association of VA Surgeons. Louisville, KY. May 5-7, 1997. (abstract # 19, p46 of proceedings).
 14. Khuri SF, Daley J, Hur K, Demakis J, Henderson WG. The Department of Veterans Affairs NSQIP: The first national validated, outcome-based, risk-adjusted, and peer-controlled program for the measurement and enhancement of the quality of surgical care. Talk presented at the 118th Annual meeting of the American Surgical Association. Palm Beach, Florida. April 2-4, 1998.
 15. Longo WE, Virgo KS, Johnson FE, Vernava AM, Wade TP, Phelan MA, Henderson WG, Daley J, Khuri SF. Outcome following colectomy for colon cancer in the Department of Veterans Affairs Hospitals. Presented at the 22nd Annual Meeting of the Association of VA Surgeons. Baltimore, MD. April 26-28, 1998. (abstract #22, p49 of proceedings).
 16. Gibbs J, Clark K, Daley J, Henderson W, Hur K, Khuri S. Validating risk-adjusted surgical outcomes: chart review assessment of process of care. Poster presented at the 2nd Annual Chicago & Great Lakes Health Services Research Symposium. Chicago, IL. March 12-13, 1998.
 17. Arozullah AM, Daley J, Henderson W, Khuri S. Multifactorial index of respiratory failure in major noncardiac surgery. Talk presented at the 1998 Annual HSR&D Meeting. Washington, DC. February 1998.
 18. Arozullah AM, Daley J, Henderson W, Khuri S. Multifactorial index of postoperative pneumonia risk in major noncardiac surgery. Talk presented at the 1998 Annual HSR&D Meeting. Washington, DC. February 1998.

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19. Collins T, Daley J, Henderson W, Khuri S. Risk factors for prolonged length of stay after major elective surgery. Talk presented at the 1998 Annual HSR&D Meeting. Washington, DC. February 1998.
20. Hynes D. Surgical outcomes and risks among women treated at VA hospitals. Poster presented at Northwestern University Seminar series, Chicago, IL. July 16, 1998.
21. Weaver F, Hynes D, Ippolito D, Cull W, Thakkar B, Gibbs J. Characteristics and outcomes of women undergoing hysterectomies in VA facilities. Poster presented at VA HSR&D Annual meeting. February, 1999.
33. Weaver F, Hynes D, Ippolito D, Cull W, Thakkar B, Gibbs J. Characteristics and outcomes of women undergoing hysterectomies in VA facilities. Poster presented at Hines VA Research Day. March, 1999.
34. Hynes D, Weaver F, Ippolito D, Cull W, Thakkar B, Gibbs J. Quality of care for mastectomy and lumpectomy patients treated at VA hospitals: results from a national study. Poster presented at Hines VA Research Day. March, 1999.
35. Khuri SF, Henderson WG, Hur K, Hossain M, Daley J, and the participants in the National Surgical Quality Improvement Program. The relationship of surgical volume to outcome in eight common operations. Talk presented at the 119th Annual Meeting of the American Surgical Association. San Diego, CA. April 15-17, 1999.
36. Weaver F, Hynes D, Ippolito D, Cull W, Thakkar B, Gibbs J. Characteristics and outcomes of women undergoing hysterectomies in VA facilities. Poster presented at Society of General Internal Medicine (SGIM) Annual meeting. April, 1999.
37. Weaver F, Hynes D, Ippolito D, Cull W, Thakkar B, Gibbs J. Characteristics and outcomes of women undergoing hysterectomies in VA facilities. Poster presented at Association for Health Services Research (AHSR) Annual Meeting. June, 1999.
38. Hynes D, Weaver F, Ippolito D, Cull W, Thakkar B, Gibbs J. Quality of care for mastectomy and lumpectomy patients treated at VA hospitals: results from a national study. Poster presented at Association for Health Services Research (AHSR) Annual Meeting. June, 1999.
39. Corman JM, Penson DF, Hur K, Khuri SF, Daley J, Henderson WG, Krieger JN. Comparison of complications after radical and partial nephrectomy: Results from the National VA Surgical Quality Improvement Program. International Kidney Cancer Symposium. October 1999.
40. Weaver F, Hynes D, Ippolito D, Cull W, Thakkar B, Gibbs J. Total joint replacement outcomes for men and women treated at VA hospitals: results from a national study. Poster presented at American Public Health Association (APHA) Annual Meeting. November, 1999.
41. Hynes D, Weaver F, Ippolito D, Cull W, Thakkar B, Gibbs J. Mastectomy outcomes for patients treated at VA hospitals: results from a national study. Poster presented at American Public Health Association (APHA) Annual Meeting. November, 1999.
42. Grossman EM, Longo WE, Johnson FE, Oprian C, Virgo KS, Daley J, Khuri SF. Morbidity and mortality of gastrectomy for cancer in United States Veterans. Presented at the 61st Annual Meeting of the Society of University Surgeons. Toronto. February 2000.
43. Arozullah A, Henderson WG, Khuri S, Daley J. Variation among VA hospitals in risk-adjusted pulmonary complication rates following major non-cardiac surgery. Talk presented at the HSR&D Annual Meeting. March 2000.
44. Farooq MM, Kashyap VS, Gelabert HA, Ahn SS, Baker JD, Quinones-Baldrich WJ, Moore WS, Taw MB, Khuri SF, Daley J, Henderson W, Freischlag JA. Outcome assessment of abdominal aortic aneurysmorrhaphy utilizing the National Veterans Affairs Surgical Quality Improvement Program (NSQIP) Registry: A comparison with the UCLA Medical Center. Presented at the Annual Meeting of the Society Clinical Vascular Surgeons. March 2000. Rancho Mirage, CA.

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- and outcomes of total joint replacement for men and women treated in VA hospitals. Poster presented at the First Interagency Research Symposium on Health Issues of Military and Veteran Women. September 20-21, 2001.
60. Bailey SH, Bull DA, Harpole JJ, Neumayer LA, Pappas TN, Khuri SF. Outcomes after esophagogastrectomy: a ten year prospective cohort. Presented as the J Maxwell Chamberlain Memorial paper at the 38th annual meeting of the Society of Thoracic Surgeons. Ft Lauderdale, Florida. January 28, 2002.
 61. Fink AS, Campbell DA, Mentzer RM, Henderson WG, Daley J, Bannister J, Khuri SF. The National Surgical Quality Improvement Program in non-VA hospitals: Initial feasibility. Talk presented at the 122nd annual meeting of the Am Surg Assoc. Hot Springs, VA. April 25/27, 2002.
 62. Billingsley K, Hur K, Henderson WG, Daley J, Khuri SF, Bell R. Outcomes after pancreaticoduodenectomy for periampullary cancer: an analysis from the Veterans Affairs National Surgical Quality Improvement Program. Poster presentation at the annual meeting of the Soc of Surgeons of the Alimentary Tract (SSAT). San Francisco, CA May 20, 2002.
 63. Rentz JJ, Bull DA, Harpole DH, Bailey SH, Neumayer LA, Pappas TH, Henderson WG, Daley J, Khuri SF. Transthoracic versus transhiatal esophagectomy: a prospective study of 945 patients. Oral presentation at the Western Thoracic Association meeting. Big Sky, MT. June 19, 2002.
 64. Rentz JJ, Bull DA, Harpole DH, Bailey SH, Neumayer LA, Pappas TH, Henderson WG, Daley J, Khuri SF. A comparison of interposition and gastric pull-up for esophageal replacement. Oral presentation at the 26th annual meeting of the Assoc VA Surg. April 28, 2002. Houston, TX.
 65. Webster C, Neumayer L, Smout R, Horn S, Daley J, Henderson W, Khuri S. Abdominal wound dehiscence: development of a multifactorial risk index. Oral presentation at the 26th annual meeting of the Assoc VA Surg. April 29, 2002. Houston, TX.
 66. Henderson WG, Khuri SF, Jones RS for the participants in the Patient Safety Surgery Study. Poster presentation at the AHRQ Patient Safety Conference. March 3, 2003, Washington DC.
 67. Kezirian EJ, Weaver EM, Yeah B, Deyo RA, Daley J, Henderson WG, Khuri SF. Incidence of serious complication after uvulopalatopharyngoplasty. Oral presentation at the National Trilog Society Meeting, May 4, 2003. Nashville, TN.
 68. Axelrod DA, Demonner S, Upchurch GR, Stanley JC, Khuri SF, Daley J, Henderson WG, Henke PK. Risk of stroke following non-carotid vascular surgery. Presented at the American Association of Vascular Surgeons (AAVS/SVS) annual meeting. June 8-11, 2003. Chicago, IL.
 69. Dimick JB, Chen SL, Taheri PA, Henderson WG, Khuri SF, Campbell DA. Hospital costs associated with complications of surgery: a report from the private sector NSQIP expansion. Oral presentation at the 65th Annual meeting of the Society of University Surgeons. February 12, 2004. St Louis, MO.
 70. Neumayer L, Spencer J, Denwood R, Khuri S, Daley J, Henderson WG. Best practices using data from the VA NSQIP. Oral presentation at the 28th Scientific Symposium of the Assoc of VA Surgeons (AVAS). Richmond, VA. April 25, 2004, abstract #15.
 71. Fink AS, Atherly A, Culler S, Khuri SF, Henderson WG, Wood WC. Comparison of clinical and administrative risk adjustment strategies in surgical patients. Oral presentation at the 28th Scientific Symposium of the Assoc of VA Surgeons (AVAS). Richmond, VA. April 25, 2004, abstract #26.
 72. Ibrahim SA, Stone RA, Han X, Fine MJ, Henderson WG, Khuri S, Kwok CK. Race / ethnicity and mortality complication rates after knee/hip replacement. Presented at the National VA Health Services R&D Annual meeting. March 11, 2004. Washington, D.C.
 73. Hollenbeck BK, Miller DC, Taub D, Dunn RL, Khuri SF, Henderson WG, Montie JE, Underwood W III, Wei JT. Establishing risk factors for morbidity following radical cystectomy. Presented at the North Central Section of the American Urological Association 78th Annual Meeting, Miami, FL. October 2004.