

Stanford



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CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Dr. Paul Maggio is a Professor of Surgery, Chief Quality Officer for Stanford Health Care, and Associate Dean for Quality and Clinical Affairs in the Stanford School of Medicine. He trained in General Surgery at Brown University and obtained advanced training in Adult Surgical Critical Care and Trauma at the University of Michigan. He holds a Master of Business Administration from the University of Michigan and is triple board certified in General Surgery, Critical Care, and Medical Informatics. His clinical focus is on Acute Care Surgery and Critical Care Medicine, and his academic career has been centered on quality improvement, patient safety, and the application of systems engineering to enhance the delivery of healthcare.

Dr. Maggio participates in the National Committee on Healthcare Engineering for the American College of Surgeons and has served on the Baldrige Board of Examiners to recognize organizations with the highest presidential honor for performance excellence. Dr. Maggio received the SHC Board of Hospital Director's Denise O'Leary Award for Clinical Excellence in 2013

CLINICAL FOCUS

- General Surgery
- Surgical Critical Care
- Trauma Surgery

ACADEMIC APPOINTMENTS

- Clinical Professor, Surgery - General Surgery

ADMINISTRATIVE APPOINTMENTS

- Chief Quality Officer, Stanford Health Care, (2021- present)
- Associate Dean of Quality and Clinical Affairs, Stanford School of Medicine, (2023- present)
- Senior Vice President, Stanford Health Care, (2024- present)
- Vice- Chair of Clinical Affairs for the Department of Surgery, Stanford University, (2018-2021)
- Associate Chief Medical Officer, Stanford University Hospital, (2015-2021)

- Co-Director Critical Care Medicine, Stanford University Hospital, (2009-2021)
- Service Medical Director, Stanford University Hospital, (2012-2021)
- Director, Medical Informatics, Stanford University Hospital, (2010-2017)

HONORS AND AWARDS

- Denise O'Leary Award for Excellence, Stanford University Hospital (2013)

PROFESSIONAL EDUCATION

- Board Certification: General Surgery, American Board of Surgery (2005)
- Fellowship: University of Michigan Surgical Critical Care Fellowship (2005) MI
- Residency: Brown University Surgery Residency (2004) RI
- Board Certification: Clinical Informatics, American Board of Preventive Medicine (2015)
- Medical Education: State University of New York at Buffalo School of Medicine (1997) NY
- Board Certification, Clinical Informatics , ABMS (2014)
- Board Certification: Surgical Critical Care, American Board of Surgery (2005)
- MBA, University of Michigan (2007)
- Board Certification:, Surgical Critical Care (2006)

Publications

PUBLICATIONS

- **A value-based approach to optimize red blood cell transfusion in patients receiving extracorporeal membrane oxygenation.** *Perfusion*
Shudo, Y., Cheng, N., He, H., Rosenberg, C., Hiesinger, W., Hadhazy, E., Shepard, J., Krishna, P., Resnik, J., Fong, R., Hill, C., Hsu, J. L., Maggio, et al
2022; 2676591221128138
- **Improving tracheostomy delivery for trauma and surgical critical care patients: timely trach initiative.** *BMJ open quality*
McShane, E. K., Sun, B. J., Maggio, P. M., Spain, D. A., Forrester, J. D.
2022; 11 (2)
- **Engaging Frontline Physicians in Value Improvement: A Qualitative Evaluation of Physician-Directed Reinvestment.** *Journal of healthcare leadership*
Vilendrer, S., Amano, A., Asch, S. M., Brown-Johnson, C., Lu, A. C., Maggio, P.
2022; 14: 31-45
- **Patient and surgeon experiences with video visits in plastic surgery-toward a data-informed scheduling triage tool.** *Surgery*
Brown-Johnson, C. G., Spargo, T., Kling, S. M., Saliba-Gustafsson, E. A., Lestoquoy, A. S., Garvert, D. W., Vilendrer, S., Winget, M., Asch, S. M., Maggio, P., Nazerali, R. S.
2021
- **Cost of Health Care-Associated Infections in the United States.** *Journal of patient safety*
Forrester, J. D., Maggio, P. M., Tennakoon, L. n.
2021
- **Modified percutaneous tracheostomy in patients with COVID-19.** *Trauma surgery & acute care open*
Sun, B. J., Wolff, C. J., Bechtold, H. M., Free, D., Lorenzo, J., Minot, P. R., Maggio, P. G., Spain, D. A., Weiser, T. G., Forrester, J. D.
2020; 5 (1): e000625
- **The Consequences of Delaying Elective Surgery: Surgical Perspective.** *Annals of surgery*
Fu, S. J., George, E. L., Maggio, P. M., Hawn, M., Nazerali, R.
2020; 272 (2): e79-e80

- **An Incentive to Innovate: Improving Health Care Value and Restoring Physician Autonomy Through Physician-Directed Reinvestment.** *Academic medicine : journal of the Association of American Medical Colleges*
Vilendrer, S. M., Asch, S. M., Anzai, Y., Maggio, P.
2020
- **The Consequences of Delaying Elective Surgery: Surgical Perspective.** *Annals of surgery*
Fu, S. J., George, E. L., Maggio, P. M., Hawn, M., Nazerali, R.
2020
- **A minimalist electronic health record-based intervention to reduce standing lab utilisation.** *Postgraduate medical journal*
Chin, K., Krishnamurthy, A., Zubair, T., Ramaswamy, T., Hom, J., Maggio, P., Shieh, L.
2020
- **Precautions for Operating Room Team Members during the COVID-19 Pandemic.** *Journal of the American College of Surgeons*
Forrester, J. D., Nassar, A. K., Maggio, P. M., Hawn, M. T.
2020
- **Modified percutaneous tracheostomy in patients with COVID-19** *Trauma Surg Acute Care Open*
Sun, B. J., Wolff, C. J., Bechtold, H. M., Free, D., Lorenzo, J., Minot, P. R., Maggio, P. G., Spain, D. A., Weiser, T. G., Forrester, J. D.
2020; 5 (1)
- **Mandatory Use of Perioperative Disposable Jackets-Things We Do for No Good Reason.** *JAMA surgery*
Maggio, P. M., Hawn, M. T.
2019
- **Developing an Inpatient Relationship-Centered Communication Curriculum for Surgical Teams: Pilot Study**
Nassar, A., Weimer-Elder, B., Kline, M., Minthorn, C., Staudenmayer, K. L., Yang, R., Spain, D. A., Maggio, P., Korndorffer, J. R., Johnson, T.
ELSEVIER SCIENCE INC.2019: E48
- **Performance improvement in surgery.** *Current problems in surgery*
Alban, R. F., Anania, E. C., Cohen, T. N., Fabri, P. J., Gewertz, B. L., Jain, M. n., Jopling, J. K., Maggio, P. M., Sanchez, J. A., Sax, H. C.
2019; 56 (6): 211–46
- **Performance improvement in surgery.** *Current problems in surgery*
Alban, R. F., Anania, E. C., Cohen, T. N., Fabri, P. J., Gewertz, B. L., Jain, M. n., Jopling, J. K., Maggio, P. M., Sanchez, J. A., Sax, H. C.
2019; 56 (6): 204–8
- **The association between angioembolization and splenic salvage for isolated splenic injuries.** *The Journal of surgical research*
Rosenberg, G. M., Weiser, T. G., Maggio, P. M., Browder, T. D., Tennakoon, L., Spain, D. A., Staudenmayer, K. L.
2018; 229: 150–55
- **The association between angioembolization and splenic salvage for isolated splenic injuries**
Rosenberg, G. M., Weiser, T. G., Maggio, P. M., Browder, T. D., Tennakoon, L., Spain, D. A., Staudenmayer, K. L.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2018: 150–55
- **Night-time communication at Stanford University Hospital: perceptions, reality and solutions** *BMJ QUALITY & SAFETY*
Sun, A., Wang, L., Go, M., Eggers, Z., Deng, R., Maggio, P., Shieh, L.
2018; 27 (2): 156–62
- **Real-Time Clinical Decision Support Decreases Inappropriate Plasma Transfusion** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*
Shah, N., Baker, S. A., Spain, D., Shieh, L., Shepard, J., Hadhazy, E., Maggio, P., Goodnough, L. T.
2017; 148 (2): 154–60
- **Clinical phenotypes of US level I trauma centers: use of clustering methodology**
Forrester, J. D., Weiser, T. G., Maggio, P., Browder, T., Tennakoon, L., Spain, D. A., Staudenmayer, K.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2017: 146–52
- **The prevalence of psychiatric diagnoses and associated mortality in hospitalized US trauma patients** *JOURNAL OF SURGICAL RESEARCH*
Townsend, L. L., Esquivel, M. M., Uribe-Leitz, T., Weiser, T. G., Maggio, P. M., Spain, D. A., Tennakoon, L., Staudenmayer, K.
2017; 213: 171–76

- **National Readmission Patterns of Isolated Splenic Injuries Based on Initial Management Strategy.** *JAMA surgery*
Rosenberg, G. M., Knowlton, L. n., Rajasingh, C. n., Weng, Y. n., Maggio, P. M., Spain, D. A., Staudenmayer, K. L.
2017; 152 (12): 1119–25
- **Trends in open vascular surgery for trauma: implications for the future of acute care surgery.** *journal of surgical research*
Forrester, J. D., Weiser, T. G., Maggio, P., Browder, T., Tennakoon, L., Spain, D., Staudenmayer, K.
2016; 205 (1): 208-212
- **Trends in the management of pelvic fractures, 2008-2010** *JOURNAL OF SURGICAL RESEARCH*
Chu, C. H., Tennakoon, L., Maggio, P. M., Weiser, T. G., Spain, D. A., Staudenmayer, K. L.
2016; 202 (2): 335-340
- **The Triage of Injured Patients: Mechanism of Injury, Regardless of Injury Severity, Determines Hospital Destination** *AMERICAN SURGEON*
Staudenmayer, K., Wang, N. E., Weiser, T. G., Maggio, P., Mackerzie, R. C., Spain, D., Hsia, R. Y.
2016; 82 (4): 356-361
- **Trauma center care is associated with reduced readmissions after injury.** *journal of trauma and acute care surgery*
Staudenmayer, K., Weiser, T. G., Maggio, P. M., Spain, D. A., Hsia, R. Y.
2016; 80 (3): 412-418
- **Trauma center verification and a more inclusive system: identifying unnecessary criteria for level III/IV centers**
Forrester, J., Weiser, T. G., Maggio, P. M., Tennakoon, L., Spain, D. A., Staudenmayer, K. L.
ELSEVIER SCIENCE INC.2015: E31
- **Improving and sustaining a reduction in iatrogenic pneumothorax through a multifaceted quality-improvement approach.** *Journal of hospital medicine*
Shieh, L., Go, M., Gessner, D., Chen, J. H., Hopkins, J., Maggio, P.
2015; 10 (9): 599-607
- **Improving and sustaining a reduction in iatrogenic pneumothorax through a multifaceted quality-improvement approach** *JOURNAL OF HOSPITAL MEDICINE*
Shieh, L., Go, M., Gessner, D., Chen, J. H., Hopkins, J., Maggio, P.
2015; 10 (9): 599-607
- **Sepris: a novel, mobile, online, simulation game that improves sepsis recognition and management.** *Academic medicine*
Evans, K. H., Daines, W., Tsui, J., Strehlow, M., Maggio, P., Shieh, L.
2015; 90 (2): 180-184
- **A nurse-driven screening tool for the early identification of sepsis in an intermediate care unit setting.** *Journal of hospital medicine*
Gyang, E., Shieh, L., Forsey, L., Maggio, P.
2015; 10 (2): 97-103
- **Sepris: A Novel, Mobile, Online, Simulation Game That Improves Sepsis Recognition and Management** *Academic Medicine*
Evans, K. H., Daines, W. P., Tsui, J., Strehlow, M., Maggio, P., Shieh, L.
2015; Vol. 90, No. 2 (February 2015)
- **Restrictive blood transfusion practices are associated with improved patient outcomes.** *Transfusion*
Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.
2014; 54 (10): 2753-2759
- **Restrictive blood transfusion practices are associated with improved patient outcomes** *TRANSFUSION*
Goodnough, L. T., Maggio, P., Hadhazy, E., Shieh, L., Hernandez-Boussard, T., Khari, P., Shah, N.
2014; 54 (10): 2753-2759
- **Improved blood utilization using real-time clinical decision support.** *Transfusion*
Goodnough, L. T., Shieh, L., Hadhazy, E., Cheng, N., Khari, P., Maggio, P.
2014; 54 (5): 1358-1365
- **Logistics of transfusion support for patients with massive hemorrhage** *CURRENT OPINION IN ANESTHESIOLOGY*
Goodnough, L. T., Spain, D. A., Maggio, P.

2013; 26 (2): 208-214

- **Payer status is associated with the use of prophylactic inferior vena cava filter in high-risk trauma patients** *SURGERY*
Pickham, D. M., Callcut, R. A., Maggio, P. M., Mell, M. W., Spain, D. A., Bech, F., Staudenmayer, K.
2012; 152 (2): 232-237
- **Early outcomes of deliberate nonoperative management for blunt thoracic aortic injury in trauma** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Caffarelli, A. D., Mallidi, H. R., Maggio, P. M., Spain, D. A., Miller, D. C., Mitchell, R. S.
2010; 140 (3): 598-605
- **Outcomes and complications of open abdomen technique for managing non-trauma patients.** *Journal of emergencies, trauma, and shock*
Kritayakirana, K., M Maggio, P., Brundage, S., Purtill, M., Staudenmayer, K., A Spain, D.
2010; 3 (2): 118-122
- **Massive Transfusion Protocols: The Role of Aggressive Resuscitation Versus Product Ratio in Mortality Reduction** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
Riskin, D. J., Tsai, T. C., Riskin, L., Hernandez-Boussard, T., Purtill, M., Maggio, P. M., Spain, D. A., Brundage, S. I.
2009; 209 (2): 198-205
- **Commitment to COT Verification Improves Patient Outcomes and Financial Performance** *67th Annual Meeting of the American-Association-for-the-Surgery-of-Trauma/Meeting of the Association-for-Acute-Medicine*
Maggio, P. M., Brundage, S. I., Hernandez-Boussard, T., Spain, D. A.
LIPPINCOTT WILLIAMS & WILKINS.2009: 190-95
- **Intensive insulin therapy is associated with reduced infectious complications in burn patients** *65th Annual Meeting of the Central-Surgical-Association*
Hemmila, M. R., Taddonio, M. A., Arbabi, S., Maggio, P. M., Wahl, W. L.
MOSBY-ELSEVIER.2008: 629-37
- **Real money: Complications and hospital costs in trauma patients** *SURGERY*
Hemmila, M. R., Jakubus, J. L., Maggio, P. M., Wahl, W. L., Dimick, J. B., Campbell, D. A., Taheri, P. A.
2008; 144 (2): 307-316
- **Mean glucose values predict trauma patient mortality** *66th Annual Meeting of the American-Association-for-the-Surgery-of-Trauma*
Wahl, W. L., Taddonio, M., Maggio, P. M., Arbabi, S., Hemmila, M. R.
LIPPINCOTT WILLIAMS & WILKINS.2008: 42-47
- **Restrictive red blood cell transfusion: not just for the stable intensive care unit patient** *AMERICAN JOURNAL OF SURGERY*
Wahl, W. L., Hemmila, M. R., Maggio, P. M., Arbabi, S.
2008; 195 (6): 803-806
- **Trauma center downstream revenue: The impact of incremental patients within a health system** *JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE*
Taheri, P. A., Maggio, P. M., Dougherty, J., Neil, C., Fetyko, S., Harkins, D. R., Butz, D. A.
2007; 62 (3): 615-619
- **Extracorporeal life support for massive pulmonary embolism** *JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE*
Maggio, P., Hemmila, M., Haft, J., Bartlett, R.
2007; 62 (3): 570-576
- **Perioperative issues: Myocardial ischemia and protection - Beta-blockade** *SURGICAL CLINICS OF NORTH AMERICA*
Maggio, P. M., Taheri, P. A.
2005; 85 (6): 1091-?