

# MARK G. SHRIME, MD, MPH, PhD, FACS

917 | 992.7039

shrime@mail.harvard.edu

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## ACADEMIC APPOINTMENTS

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- April 2016 – present                      Harvard Medical School                      Boston, MA  
*Assistant Professor of Otolaryngology*  
*Assistant Professor of Global Health and Social Medicine*  
Involved in medical student and resident education and training  
Mentor to several resident research projects in health systems, global health, and otolaryngology  
Hired research and program administrative staff  
Led grant applications totaling up to \$100 million  
Developed a research training curriculum (see below)
- July 2015 – present                      Harvard Medical School | Program in Global Surgery and Social Change                      Boston, MA  
*Research Director*  
Responsible for research curriculum development  
Oversight of the program's research portfolio  
Mentor on fellow research projects in global surgery and health systems strengthening
- Dec 2013 – present                      Ariadne Laboratories                      Boston, MA  
*Associate Faculty*  
Ariadne labs brings faculty from throughout Harvard to work together on health systems improvement
- May 2012 – April 2016                      Harvard Medical School                      Boston, MA  
*Clinical Instructor of Otology and Laryngology*  
Involved in medical student and resident education and training  
Mentor to several resident research projects in health systems, global health, and otolaryngology
- Oct 2014 – June 2015                      Harvard Medical School                      Boston, MA  
*Affiliate Faculty, Department of Global Health and Social Medicine*  
Involved in the *Lancet* Commission on Global Surgery primary research.  
Mentor to fellows in the Program in Global Surgery and Social Change
- Apr 2009 – May 2011                      Boston University Medical Center                      Boston, MA  
*Assistant Professor, Department of Otolaryngology*  
Involved in medical student and resident education and training  
Mentor for several resident research projects in head and neck surgery
- Aug 1997 – Jul 1998                      Ngee Ann Polytechnic, Department of Biotechnology                      Singapore  
*Lecturer in Organic Chemistry and Cellular Biology*  
Lecturer and laboratory instructor to first-year polytechnic students and mentor to forty of these students

## TEACHING and MENTORING

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### *International Visiting Professorships*

Kings College, Global Health, London, United Kingdom January 2016  
University of Toronto, Department of Otolaryngology, Toronto, Canada February 2015  
King Saud bin Abdul-Aziz University for Health Sciences, Riyadh, Saudi Arabia March 2013

### *National courses*

Cost-effectiveness and comparative effectiveness in otolaryngology September 2014  
American Academy of Otolaryngology, National Meeting, Orlando, FL

### *Teaching Fellowships—comments available on request*

RDS 286, Decision Analysis in Clinical Research HSPH, July 2013  
RDS 285, Decision Analysis Methods HSPH, Spring 2013  
SW 24, Global Health Challenges Harvard University, Spring 2013 Rating: 4.8/5  
*Awarded Certificate of Distinction in Teaching*  
RDS 286, Decision Analysis in Clinical Research HSPH, July 2012 Rating: 4.8/5  
RDS 288, Methods for Decision Making in Medicine HSPH, August 2012

### *Research Curriculum*

How to write a scientific paper  
Basic statistical methods  
Global health statistics in R  
Cost-effectiveness analysis in global surgery

### *Mentoring*

Full mentee list available on request

## PROFESSIONAL EXPERIENCE

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Jan 2017 – present Massachusetts General Hospital Boston, MA  
*Clinical Associate Surgeon*

Oct 2011 – present Massachusetts Eye and Ear Infirmary Boston, MA  
*Attending Physician, Emergency Department*

Feb 2008 – present Mercy Ships West and Central Africa  
*Staff Surgeon, m/v Africa Mercy*  
Staff surgeon on the world's largest charity hospital ship, docked in various ports around coastal Africa

Apr 2009 – May 2011 Boston University Medical Center Boston, MA  
*Staff Surgeon, Department of Otolaryngology*

May 2009 – Jul 2011 VA Medical Center, Boston Boston, MA  
*Staff Surgeon, Division of Otolaryngology, Department of Surgery*

May 1995 – May 1996 Princeton University Princeton, NJ  
*Research Assistant in the Department of Molecular Biology*  
Actions and interactions of the Nm23 tumor suppressor with DNA and cell-cycle-regulatory proteins

## EDUCATION and TRAINING

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Aug 2011 – May 2015 <i>PhD, Health Policy (Decision Analysis)</i>	Harvard University	Cambridge, MA
COMMITTEE MEMBERS: Joshua Salomon PhD (chair), Milt Weinstein PhD, Jessica Cohen PhD.		
Sep 2009 – Jun 2011 <i>Masters of Public Health, Global Health and Population</i>	Harvard School of Public Health	Boston, MA
Jul 2008 – Dec 2008 <i>Fellowship in Microvascular Reconstructive Surgery</i>	University of Toronto, Toronto General Hospital	Toronto, ON
Jul 2006 – Jun 2007 <i>Fellowship in Head and Neck Oncologic and Reconstructive Surgery</i>	University of Toronto, Toronto General Hospital	Toronto, ON
Member, Post-graduate Education Committee, Department of Otolaryngology Examiner, International Medical Graduates—Ontario Dept. General Surgery Fellow representative to the Department of Otolaryngology		
Jul 2002 – Jun 2006 <i>Residency in Otolaryngology and Head and Neck Surgery</i>	New York Presbyterian Hospital	New York, NY
Jul 2001 – Jun 2002 <i>Surgical Internship</i>	New York Presbyterian Hospital, Columbia University	New York, NY
Sep 1996 – Jun 2001 <i>Doctor of Medicine</i>	University of Texas, Southwestern Medical School	Dallas, TX
Inducted into AOA (class rank, 12/206)		
Sep 1992 – Jun 1996 <i>Bachelor of Arts, Molecular Biology</i>	Princeton University	Princeton, NJ
Awarded graduation summa cum laude		

## RESEARCH FUNDING

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PI	Damon Runyon Cancer Foundation Clinical Investigator Award	2017 – 2020
PI	Steven and Carmella Kletjian Foundation Research Support (\$100,000)	2016 – 2017
Co-PI	Boston Children's Hospital Program Grant (\$20,000)	2016 – 2017
Co-PI	GE Foundation Safe Surgery 2020 (\$5.3 Million) Harvard Medical School	2016 –
Co-PI	GE Foundation Safe Surgery 2020 Pilot grant (\$100,000) Boston Children's Hospital	2015 – 2016
Research Associate	NIH/NIA P30AG024409 (Bloom) Program on Global Demography of aging Harvard School of Public Health	2015
Post-doctoral fellow	NIH/NCI R25CA92203 (Gazelle) Mentored research in cancer outcomes, Dana-Farber/Harvard Cancer Center	2013 – 2015
Research consultant	NORAD/Government of Norway Harvard School of Public Health (Bloom)	2012 – 2014
Pre-dissertation fellow	Christopher GP Walker Fellowship Harvard Interfaculty Initiative in Health Policy	2011 – 2013

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## LICENSURE and BOARD CERTIFICATION

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Board Certification	American Board of Otolaryngology, 88763	April 2007
Commonwealth of Massachusetts	238674	4 February 2009 – present
State of New York	225516 (Inactive)	5 July 2002 – present
Province of Ontario	85168 (Provisional)	1 July 2008 – 31 Dec 2008

## EDITORIAL AND AUTHOR POSITIONS

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EDITORIAL	Editor-in-Chief, <i>Surgical Techniques Development</i>	2010 – 2012
	Executive Editor, <i>Journal of Cytology and Histology</i>	2010 – 2011
	Section Editor, <i>Rare Tumors</i>	2010 – 2011
	Editorial Reviewer, <i>Health Policy and Planning</i>	2017 – present
	Editorial Reviewer, <i>Journal of Infection and Public Health</i>	2017 – present
	Editorial Reviewer, <i>PLoS One</i>	2015 – present
	Editorial Reviewer, <i>Annals of Surgery</i>	2015 – present
	Editorial Reviewer, <i>British Journal of Surgery</i>	2015 – present
	Editorial Reviewer, <i>Medical Care</i>	2015 – present
	Editorial Reviewer, <i>Annals of Surgical Oncology</i>	2014 – present
	Editorial Reviewer, <i>Cost Effectiveness and Resource Allocation</i>	2013 – present
	Editorial Reviewer, <i>Ear and Hearing</i>	2012 – present
	Editorial Reviewer, <i>Archives of Oral Biology</i>	2010 – present
	Editorial Reviewer, <i>Laryngoscope</i>	2007 – present
	Editorial Reviewer, <i>Head and Neck</i>	2007 – present
	Editorial Reviewer, <i>Archives of Otolaryngology/Head and Neck Surgery</i>	2009 – present
COMMISSIONER	Commissioner, <i>Lancet Commission on Global Cancer Surgery</i>	2015 – present

## MEDIA APPEARANCES

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TELEVISION	CCTV World Insight	August 2014
	Fox and Friends	May 2017
	Fox Business, Varney & Co.	May 2017
RADIO AND PODCAST	1210 WPHT, Dom Giordano Show	January 2015
	LA Talk Radio, Up On Medicine	February 2015
	<i>Behind The Knife</i> Podcast	June 2016
	<i>Rudy Maxxa's World</i>	January 2017
PRINT	Contributing author, <i>Global Health Hub</i>	2010 – present
	'Motherhood and Safe Surgery', <i>Huffington Post</i>	2014
	'How surgery can fight global poverty', <i>New York Times</i>	25 September 2015
	'Surgery: the neglected stepchild of global health', <i>New York Times</i>	20 April 2016
	'Measuring surgical systems: a new paradigm for health systems strengthening' <i>World Bank DATA Blog</i>	14 June 2016

## PROFESSIONAL MEMBERSHIPS

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Institutional Review Board member, Mercy Ships	2014 – present
Global Burden of Disease Expert Panel	2013 – present
Fellow, American College of Surgeons	2012 – present
Surgeons Overseas	2011 – present
Humanitarian Efforts Committee, American Academy of Otolaryngology	2009 – present
American Head and Neck Society	
Alpha Omega Alpha Honor Society	
American Academy of Otolaryngology—Head and Neck Surgery	

Past member of the Chemical Engineering and Biotechnology advisory councils, Ngee Ann Polytechnic, Singapore

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PUBLICATIONS, ACTIVE RESEARCH PROJECTS, and PRESENTATIONS

CHAPTERS

1. Raykar NP, Mukhopadhyay S, Halbach JL, Cossa MT, Saluja S, Lin Y, **Shrime MG**, Meara JG, Bickler SW. The economic case for surgical care in low-resource settings. In: Park A, Price R, eds. *Global Surgery*, 2017.
2. **Shrime MG**, Sleemi A, Thulasiraj RD. Specialized surgical platforms. In: Jamison D, *et al* (eds). *Disease Control Priorities in Developing Nations*, 3e. 2015
3. **Shrime MG**, Verguet S, Desalegn D, Johansson KA, Jamison D, Kruk ME. Task sharing or public finance for expanding surgical access in rural Ethiopia: an extended cost-effectiveness analysis. In: Jamison D, *et al* (eds). *Disease Control Priorities in Developing Nations*, 3e. 2015
4. **Shrime MG**. Bony cysts and tumors of the maxilla and mandible. In: Lee KJ, Chan Y (eds). *Healthcare Reform through Practical Guidelines—ENT*. Plural Publishing, 2010. Chapter 34.
5. **Shrime MG**. Lump in the Neck. In: Lee KJ, Chan Y (eds). *Healthcare Reform through Practical Guidelines—ENT*. Plural Publishing, 2010. Chapter 18.
6. **Shrime MG**, Goldstein DP, Irish JC, Gullane PJ. Complications of Lip Surgery. In: Eisele DW (ed). *Complications of Head and Neck Surgery*, 2e. Elsevier, 2009. pp 251-256.
7. Kraus, DH, **Shrime MG**. Oral Cavity Neoplasms. In: Snow JB and Ballenger JJ (eds). *Ballenger's Otorhinolaryngology Head and Neck Surgery: Head and Neck Surgery*, 17e. BC Decker, 2009. pp 1091-1104.
8. Goldstein DP, **Shrime MG**, Cummings B, Gullane PJ. Paragangliomas of the Head and Neck. In Hanna EY and DeMonte F (eds). *Comprehensive Management of Skull Base Tumors*. Informa HealthCare, 2008. pp 539-556.
9. **Shrime MG**, Keller J. Pediatric allergic rhinitis and acute and chronic sinusitis. In: Burg FD, Ingelfinger JR, Polin RA, Gershon A (eds). *Current Pediatric Therapy*, 18e. WB Saunders Company, 2006. pp 1114-1118.

PEER-  
REVIEWED  
PUBLICATIONS  
(FIRST AUTHOR)

1. **Shrime MG**, Alkire BC, Grimes C, Chao TE, Poenaru D, Verguet S. Cost-effectiveness in global surgery: Pearls, pitfalls, and a checklist. *World Journal of Surgery* 2017. 41(6):1401-1413
2. **Shrime MG**, Sekidde S, Linden A, Cohen JL, Weinstein MC, Salomon JA. Sustainable development in surgery: the health, poverty, and equity impacts of charitable surgery in Uganda. *PLOS One* 2016. 11(12):e0168867.
3. **Shrime MG**. The right to look human—head and neck surgery in low- and middle-income countries: The Chris O'Brien memorial lecture. *JAMA Otolaryngology* 2016. 142(12):1143-1144. Epub ahead of print: 3 Nov 2016
4. **Shrime MG**, Dare A, Alkire BC, Meara JG. A global country-level comparison of the financial burden of surgery. *British Journal of Surgery* 2016. 103(11):1453-1461. Epub ahead of print: 18 July 2016. doi: 10.1002/bjs.10249.
5. **Shrime MG**, Verguet S, Desalegn D, Johansson KA, Jamison D, Kruk ME. Task sharing or public finance for expanding surgical access in rural Ethiopia: an extended cost-effectiveness analysis. *Health Policy and Planning* 2016. 31(6):706-716. pii czv121.
6. **Shrime MG**, Ferket BS, Scott DJ, Lee J, Barragan-Bradford D, Pollard T, Arabi YM, Al-Dorzi HM, Baron RM, Hunink MGM, Celi LA, Lai PS. Time-limited trials of intensive care for critically-ill patients with cancer: How long is long enough? *JAMA Oncology* 2016. 2(1):76-83. Epub ahead of print 15 October 2015.
7. **Shrime MG**, Dare AJ, Alkire BC, O'Neill K, Meara JG. Catastrophic expenditure to pay for surgery worldwide: a modeling study. *Lancet Global Health* 2015. 3:S38-S44.

8. **Shrime MG**, Daniels KM, Meara JG. How much surgery is enough? Aligning surgical delivery with best-performing health systems. *Lancet* 2015. **385**:S13.
9. **Shrime MG**, Daniels KM, Meara JG. Half a billion surgical cases: aligning surgical delivery with best-performing health systems. *Surgery* 2015. **158**(1):27-32.
10. **Shrime MG**, Bickler SW, Alkire BC, Mock C. The global burden of surgical disease: an assessment from the provider perspective. *Lancet Global Health* 2015. **3**:S8.
11. **Shrime MG**, Sleemi A, Thulasiraj RD. Charitable platforms in global surgery: A systematic review of their effectiveness, cost-effectiveness, sustainability, and role in training. *World Journal of Surgery* 2015. **39**(1):10-20. doi: 10.1007/s00268-014-2516-0
12. **Shrime MG**. Cost-effectiveness of transoral robotic surgery in the unknown primary: the problem of extended dominance. *Otolaryngology—Head and Neck Surgery* 2014. **151**(6):1093
13. **Shrime MG**. Cost-effectiveness in otolaryngology. *Otolaryngology—Head and Neck Surgery* 2012. **147**(1):180-181.
14. **Shrime MG**, Bauer SR, McDonald AC, Chowdhury NH, Coltart CEM, Ding EL. Flavonoid-rich cocoa consumption affects multiple cardiovascular risk factors, in a meta-analysis of short-term studies. *Journal of Nutrition* 2011. **141**(11):1982-1988. Epub ahead of print: 28 September 2011.
15. **Shrime MG**, Gullane PJ, Dawson L, Kim J, Gilbert RW, Irish JC, Brown DH, Goldstein DP. The impact of adjuvant radiotherapy on survival in T<sub>1-2</sub>N<sub>1</sub> squamous cell carcinoma of the oral cavity. *Archives of Otolaryngology—Head and Neck Surgery* 2010. **136**(3):1-4
16. **Shrime MG**, Bachar G, Lea J, Volling C, Ma C, Gullane PJ, Gilbert RW, Irish JC, Brown DH, Goldstein DP. Nodal ratio as an independent predictor of survival in squamous cell carcinoma of the oral cavity. *Head and Neck* 2009. **31**(11):1482-1488. Epub 4 Apr 2009.
17. **Shrime MG**, Gilbert RW. Reconstruction of the midface and maxilla. *Facial Plastic Surgery Clinics* 2009. **17**(2):211-223.
18. **Shrime MG**, Ma CS, Gullane PJ, Gilbert RW, Irish JC, Brown DH, Goldstein DP. The impact of nodal ratio on survival in squamous cell carcinoma of the oral cavity. *Head and Neck* 2009. **31**(9):1129-1136. Epub 4 Apr 2009.
19. **Shrime MG**, Goldstein DP, Seaberg RM, Sawka AM, Rotstein L, Freeman JL, Gullane PJ. Cost-effective management of low-risk papillary thyroid cancer. *Archives of Otolaryngology—Head and Neck Surgery* 2007. **133**(12):1245-1253  
Included in *Audio Digest—Otolaryngology*, **41**(4), 21 July 2008
20. **Shrime MG**, Johnson PE, Stewart MG. Cost-effective diagnosis of ingested foreign bodies. *Laryngoscope* 2007. **117**(5):785-793.  
First-place poster presentation at the Combined Otolaryngology Fall Meeting, February 2007, Florida  
Awarded second place in the Annual Resident Research Competition, Columbia, 2006
21. **Shrime MG**, Tabae A, Rickert S, Hsu AK, Close LG. Synechia formation following endoscopic sinus surgery and middle turbinate medialization. *American Journal of Rhinology* 2007. **21**(2):174-179.  
Awarded third place in the Annual Resident Research Competition, Columbia, 2006
22. **Shrime MG**, Wilson TB, Eisig SB, Haddad J. Intraosseous schwannoma of the mandible. *Archives of Otolaryngology—Head and Neck Surgery* 2007. **133**(2):194, 196.
23. **Shrime MG**, Kacker A, Bent J, Ward RF. Fourth branchial complex anomalies: A case series. *International Journal of Pediatric Otorhinolaryngology* 2003; **67**:1227-1233.  
Selected for inclusion in the American Academy of Otolaryngology 2005-2006 Home Study Course, Section 1

1. Naunheim MR, Rathi VK, Naunheim ML, Alkire BC, Lam AC, Song PC, **Shrime MG**. What do patients want from otolaryngologists? A discrete choice experiment. *Otolaryngology—Head and Neck Surgery* 2017. Epub 1 June 2017.
2. Massenburg BB, Saluja S, Jenny HE, Raykar NP, Ng-Kamstra J, Guilloux AGA, Scheffer MC, Meara JG, Alonso N, **Shrime MG**. Assessing the Brazilian surgical system with six surgical indicators: a descriptive and modelling study. *BMJ Global Health* 2017. 2(2):e000226.
3. Scott JW, Raykar NP, Rose JA, Tsai TC, Zogg CK, Haider AH, Salim A, Meara JG, **Shrime MG**. Cured into destitution: Catastrophic health expenditure risk among uninsured trauma patients in the United States. *Annals of Surgery* 2017. Epub 10 April 2017.
4. Anderson GA, Ilcisin L, Abesiga L, Mayanja R, Portal Benitz N, Ngonzi J, Kayima P, **Shrime MG**. Surgical volume and postoperative mortality rate at a referral hospital in Western Uganda: Measuring the Lancet Commission on Global Surgery indicators in low-resource settings. *Surgery* 2017. 161(6):1710-1719.
5. Naunheim MR, Kozin ED, Sethi RK, Ota HG, Gray ST, **Shrime MG**. Contingent valuation analysis of an otolaryngology and ophthalmology emergency department: The value of acute specialty care. *JAMA Otolaryngol—Head Neck Surg* 2017. 143(3):234-238.
6. Lin BM, White M, Glover A, Wamah GP, Trotti DL, Randall K, Alkire BC, Cheney ML, Parker G, **Shrime MG**. Barriers to surgical care and health outcomes: A prospective study on the relation between wealth, sex, and post-operative complications in the Republic of the Congo. *World Journal of Surgery* 2017. 41(1):14-23. Epub 29 July 2016.
7. White M, Alcorn D, Randall K, Duncan S, Klassen H, **Shrime MG**. Evaluation of patient satisfaction, impact, and disability-free survival after a surgical mission in Madagascar: a pilot survey. *World Journal of Surgery* 2017. 41(2):364-369. Epub ahead of print 11 October 2016.
8. Naunheim MR, Song PC, Franco RA, Alkire BC, **Shrime MG**. Surgical management of bilateral vocal fold paralysis: a cost-effectiveness comparison of two treatments. *Laryngoscope* 2017. 127(3):691-697.
9. Silverstein A, Costas-Chavarri A, Gakwaya MR, Lule J, Mukhopadhyay S, Meara JG, **Shrime MG**. Laparoscopic Versus Open Cholecystectomy: A Cost-Effectiveness Analysis at Rwanda Military Hospital. *World Journal of Surgery* 2017. 41(5):1225-1233.
10. Bruno E, White MC, Baxter LS, Ravelojaona VA, Rakotoarison HN, Andriamanjato HH, Close KL, Herbert A, Raykar N, Saluja S, **Shrime MG**. An evaluation of preparedness, delivery and impact of surgical and anesthesia care in Madagascar: A framework for a National Surgical Plan. *World Journal of Surgery* 2017. 41(5):1218-1224.
11. Corlew DS, Alkire BC, Poenaru D, Meara JG, **Shrime MG**. Economic valuation of the impact of a large surgical charity using the Value of Lost Welfare approach. *BMJ Global Health* 2016. 1:e000059.
12. Ng-Kamstra JS, Greenberg SLM, Abdulla F, Amado V, Anderson GA, Cossa M, Costas-Chavarri A, Davies J, Debas HT, Dyer GSM, Erdene S, Farmer PE, Gaumnitz A, Hagander L, Haider A, Leather AJM, Lin Y, Marten R, Marvin JT, McClain CD, Meara JG, Mehes M, Mock C, Mukhopadhyay S, Orgoi S, Prestero T, Price RR, Raykar NP, Riesel JN, Riviello R, Rudy S, Saluja S, Sullivan R, Tarpley JL, Taylor RH, Telemque L-F, Toma G, Varghese A, Walker M, Yamey G, **Shrime MG**. Global surgery 2030: a roadmap for high-income country actors. *BMJ Global Health* 2016. 1:e000011
13. Ng-Kamstra JS, Riesel JN, Arya S, Weston B, Kreutzer T, Meara JG, **Shrime MG**. Surgical non-governmental organizations: global surgery's unknown nonprofit sector. *World J Surgery* 2016. 40(8):1823-1841. Epub ahead of print: 23 Mar 2016.

14. Gutnik LA, Dielman J, Dare AJ, Ramos MS, Riviello R, Meara JG, Yamey G, **Shrime MG**. Financial contribution to global surgery: An analysis of 160 international charitable organizations. *SpringerPlus* 2016. **5**:1558.
15. Verguet S, Alkire BC, Bickler SW, Lauer JA, Uribe-Leitz T, Molina G, Weiser TG, Yamey G, **Shrime MG**. Timing and cost of scaling up surgical services in low- and middle-income countries from 2012 to 2030: a modeling study. *Lancet Global Health* 2015. **3**:S28-S37.
16. Gutnik LA, Dielman J, Dare AJ, Ramos MS, Riviello R, Meara JG, Yamey G, **Shrime MG**. A retrospective analysis of contributions from the USA. *BMJ Open* 2015. **5**: e008780.
17. Naunheim MR, Kozin ED, Sethi RK, Ota HG, Gray ST, **Shrime MG**. Cost-benefit analysis of an otolaryngology emergency room using a contingent valuation approach. *Otolaryngology—Head and Neck Surgery* 2015. **153**(4):575-581. Epub ahead of print, 27 July 2015

PEER-  
REVIEWED  
PUBLICATIONS  
(OTHER)

1. Baxter LS, Ravelojaona VA, Rakotoarison HN, Herbert A, Bruno E, Close KL, Andean V, Andriamanjato HH, **Shrime MG**, White MC. An observational assessment of anesthesia capacity in Madagascar as a prerequisite to the development of a National Surgical Plan. *Anesthesia Analgesia* 2017. **124**(6):2001-2007.
2. Moran D, **Shrime MG**, Nang S, Vycheth I, Vuthy D, Hong R, Padula WV, Park KB. Cost-effectiveness of craniotomy for epidural hematomas at a major government hospital in Cambodia. *World J Surg* 2017. Epub ahead of print 25 Apr 2017.
3. Gupta S, Iv V, Sam N, Vuthy D, Klaric K, **Shrime MG**, Park KB. Impact of helmet use on severity of epidural hematomas in Cambodia. *World Neurosurgery* 2017. **100**:267-270.
4. GBD 2015 Healthcare Access and Quality Collaborators. Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990-2015: a novel analysis from the Global Burden of Disease Study 2015. *Lancet* 2017. Epub ahead of print 18 May 2017.
5. Global Burden of Disease Health Financing Collaborator Network. Evolution and patterns of global health financing 1995-2014: development assistance for health, and government, prepaid private, and out-of-pocket health spending in 184 countries. *Lancet* 2017. **389**(10083):1981-2004.
6. Scott JW, Neiman PU, Najjar PA, Tsai TC, Scott KW, **Shrime MG**, Cutler DM, Salim A, Haider AH. Potential impact of Affordable Care Act-related insurance expansion on trauma care reimbursement. *J Trauma Acute Care Surg* 2017. **82**(5):887-895.
7. Scangas GA, Remenschneider AK, Su BM, **Shrime MG**, Metson R. Cost utility analysis of endoscopic sinus surgery for chronic rhinosinusitis with and without nasal polyposis. *Laryngoscope* 2017. **127**(1):29-37.
8. Sethi RK, Kozin ED, Naunheim MR, Rosen M, **Shrime MG**, Sedaghat AR, Gray ST. Variable utilization patterns of computed tomography for rhinosinusitis in emergency departments. *Laryngoscope* 2017. **127**(3):537-543.
9. Global Burden of Disease Cancer Collaboration., Fitzmaurice C, Allen C, Barber RM, Barregard L, Bhutta ZA, Brenner H, Dicker DJ, Chimed-Orchir O, Dandona R, Dandona L, Fleming T, Forouzanfar MH, Hancock J, Hay RJ, Hunter-Merrill R, Huynh C, Hosgood HD, Johnson CO, Jonas JB, Khubchandani J, Kumar GA, Kutz M, Lan Q, Larson HJ, Liang X, Lim SS, Lopez AD, MacIntyre MF, Marczak L, Marquez N, Mokdad AH, Pinho C, Pourmalek F, Salomon JA, Sanabria JR, Sandar L, Sartorius B, Schwartz SM, Shackelford KA, Shibuya K, Stanaway J, Steiner C, Sun J, Takahashi K, Vollset SE, Vos T, Wagner JA, Wang H, Westerman R, Zeeb H, Zoeckler L, Abd-Allah F, Ahmed MB, Alabed S, Alam NK, Aldhahri SF, Alem G, Alemayohu MA, Ali R, Al-Raddadi R, Amare A, Amoako Y, Artaman A, Asayesh H, Atnafu N, Awasthi A, Saleem HB, Barac A, Bedi N, Bensenor I, Berhane A, Bernabé E, Betsu B, Binagwaho A, Boneya D, Campos-Nonato I, Castañeda-Orjuela C, Catalá-López F, Chiang P, Chibueze C, Chitheer A, Choi JY, Cowie B, Damtew S, das Neves J, Dey S, Dharmaratne S, Dhillon P, Ding E, Driscoll T, Ekwueme D, Endries AY, Farvid M, Farzadfar F, Fernandes J,

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Fischer F, G/Hiwot TT, Gebru A, Gopalani S, Hailu A, Horino M, Horita N, Hussein A, Huybrechts I, Inoue M, Islami F, Jakovljevic M, James S, Javanbakht M, Jee SH, Kasaeian A, Kedir MS, Khader YS, Khang YH, Kim D, Leigh J, Linn S, Lunevicius R, El Razek HM, Malekzadeh R, Malta DC, Marcenés W, Markos D, Melaku YA, Meles KG, Mendoza W, Mengiste DT, Meretoja TJ, Miller TR, Mohammad KA, Mohammadi A, Mohammed S, Moradi-Lakeh M, Nagel G, Nand D, Le Nguyen Q, Nolte S, Ogbo FA, Oladimeji KE, Oren E, Pa M, Park EK, Pereira DM, Plass D, Qorbani M, Radfar A, Rafay A, Rahman M, Rana SM, Søreide K, Satpathy M, Sawhney M, Sepanlou SG, Shaikh MA, She J, Shiue I, Shore HR, **Shrime MG**, So S, Soneji S, Stathopoulou V, Stroumpoulis K, Sufiyan MB, Sykes BL, Tabarés-Seisdedos R, Tadese F, Tedla BA, Tessema GA, Thakur JS, Tran BX, Ukwaja KN, Uzochukwu BS, Vlassov VV, Weiderpass E, Wubshet Terefe M, Yebyo HG, Yimam HH, Yonemoto N, Younis MZ, Yu C, Zaidi Z, Zaki ME, Zenebe ZM, Murray CJ, Naghavi M. Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-years for 32 Cancer Groups, 1990 to 2015: A Systematic Analysis for the Global Burden of Disease Study. *JAMA Oncology* 2017. 3(4):524-548 Dec 3. doi: 10.1001/jamaoncol.2016.5688

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PAPERS UNDER REVIEW

1. **Shrime MG**. Trading bankruptcy for health: a nation-wide discrete-choice experiment. *Submitted: Journal of Health Economics*

ACTIVE RESEARCH PROJECTS

1. **Shrime MG**. Data envelopment analysis for multiattribute decision-making in health policy. *Research ongoing*
2. **Shrime MG**. The impact of re-centralization of maternity services on health, financial well-being, and equity. *Research ongoing.*

INVITED PAPERS AND NON-PEER-REVIEWED PUBLICATIONS

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PRESENTATIONS

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3. **Shrime MG**. Sustainable development in global surgery  
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4. **Shrime MG**. Reconstructive options in low-resource settings  
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5. **Shrime MG**. Global surgery: a history  
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6. **Shrime MG**. Evidence driven health policy in global Surgery  
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14. **Shrime MG.** Data-driven surgical scale-up—research in global surgery  
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San Diego, CA, September 2016
18. **Shrime MG.** The right to look human—Head and Neck Surgery in the Developing World  
Presented as the Christopher O'Brien Keynote Lecture, American Head and Neck Society,  
Seattle, WA, July 2016
19. **Shrime MG.** Task-shifting or public finance to improve access to surgery in Ethiopia.  
Presented at the Brocher Institute Summer Academy on Ethics of Research in Low-income Countries,  
Geneva, Switzerland, June 2016
20. **Shrime MG.** Key findings of the *Lancet* Commission on Global Surgery.  
Presented to the Congressional Global Health Caucus, Washington, DC, May 2016

21. **Shrime MG.** Key findings of the *Lancet* Commission on Global Surgery.  
Presented at the InterAction Forum, Washington, DC, April 2016
22. **Shrime MG.** The state of surgery around the world through the lens of the *Lancet* Commission on Global Surgery.  
**Keynote address:** Houston Global Health Collaborative Empower 2016 conference, February 2016
23. **Shrime MG.** Essential surgical care and anesthesia as a part of universal health coverage.  
Presented at the National Surgical Forum, Johannesburg, South Africa, December 2015
24. **Shrime MG.** Findings of the Lancet Commission on Global Surgery and directions for the future.  
Presented as Grand Rounds at Mercy Ships, Toamasina, Madagascar, September 2015
25. **Shrime MG.** Issues with benefit-cost analysis and value of a statistical life.  
Presented at the Beyond Cost-Effectiveness Meeting, Harvard School of Public Health, September 2015
26. **Shrime MG.** Findings of the Lancet Commission on Global Surgery and directions for the future.  
Presented at the “Strengthening Emergency and Essential Surgical Care and Anaesthesia Services as a Component of Universal Health Coverage” symposium, WHO, Geneva, Switzerland, May 2015
27. **Shrime MG.** Findings of the Lancet Commission on Global Surgery and directions for the future.  
Presented at Anaesthesia Grand Rounds, the Beth Israel-Deaconess Medical Center Boston, MA, 29 July 2015
28. **Shrime MG, Dare AJ, Alkire BC, O’Neill K, Meara JG.** Catastrophic expenditure to pay for surgery worldwide.  
Presented at the Royal Society of Medicine, London, England, April 2015
29. **Shrime MG.** The role of research in global surgery.  
Presented at Harvard Medical School, May 2015
30. Sethi RK, Kozin ED, Naunheim M, **Shrime MG**, Gray ST. Use of imaging for sinus complaints in US emergency rooms.  
Presented at the American Academy of Otolaryngology Annual Meeting, Dallas, September 2015
31. Kozin ED, Sethi RK, Remenschneider A, Kaplan A, **Shrime MG**, Lee D. Incidence of sudden hearing loss in United States emergency rooms.  
Presented at the Combined Otolaryngology Societies Meeting, Boston, April 2015
32. Sethi RK, Kozin ED, Naunheim M, **Shrime MG**, Gray ST. Epidemiologic survey of non-emergent sinus and rhinologic complaints in United States emergency rooms.  
Presented at the American Rhinologic Society Conference, Boston, April 2015
33. Naunheim M, Kozin ED, Gray ST, **Shrime MG.** Cost-benefit analysis of otolaryngology-specific emergency room services using a contingent valuation survey.  
Presented at the American Head and Neck Society Conference, Boston, April 2015.
34. **Shrime MG.** The right to look human: Head and neck surgery in the developing world.  
Presented at the University of Toronto otolaryngology grand rounds, February 2015
35. **Shrime MG.** How long is long enough? Time-limited trials in critically-ill cancer patients.  
Presented at the University of Toronto otolaryngology fellows rounds, February 2015

36. Puram SV, Kozin ED, Sethi RK, Alkire BC, Lee DJ, Gray ST, **Shrime MG**. Predicting Operating Room Times in a Tertiary Care Academic Medical Center.  
Presented at the Combined Otolaryngology Sections Meeting, Coronado Island, California, January 2015
37. **Shrime MG**, Verguet S, Johannson KA, Desalegn D, Jamison DT, Kruk ME. Task-sharing or universal public financing for the expansion of surgical access in rural Ethiopia: an extended cost-effectiveness analysis.  
Presented at the Society for Medical Decision Making meeting, Miami, October 2014  
Finalist for the Lee Lusted research prize
38. **Shrime MG**, moderator: Outcomes in head and neck cancer.  
Presented at the World Congress of the International Federation of Head and Neck Oncologic societies, New York, NY, July 2014
39. Sethi R, Kozin E, Remenschneider A, Lee D, Gliklich R, **Shrime MG**, Gray S. Characterization of Contemporary Otolaryngology-Specific Emergency Room Care at the Massachusetts Eye and Ear Infirmary  
Presented at the American Academy of Otolaryngology Annual Meeting, September 2014, Orlando
40. Sethi R, Kozin E, Remenschneider A, Gliklich R, **Shrime MG**, Gray S. A specialized emergency room as a model for otolaryngology residency training.  
Presented at the Combined Otolaryngology Spring Meetings, May 2014, Las Vegas
41. **Shrime MG**. The right to look human: Surgical delivery in low- and middle-income countries  
Global Surgery Leadership Conference  
Johnson and Johnson/Ethicon  
Four Seasons Hotel, Philadelphia, PA, February 2014
42. **Shrime MG**, Lai PS, Ferket B, Scott D, Celi LA, Hunink MGM. Decision-making at the end of life: Stochastic modeling to determine optimal length of ICU care for poor-prognosis patients.  
Presented at the Society for Medical Decision Making conference, Baltimore, October 2013  
Finalist for the Lee Lusted Student research prize
43. **Shrime MG**, Verguet S, Johannson KA, Jamison DT, Kruk MEK. Improving surgical access in Ethiopia: public finance, task shifting, or both?  
Presented at the Disease Control Priorities, Surgical authors meeting, Washington DC, September 2013
44. **Shrime MG**, Sleemi A, Thulasiraj RD. Charitable platforms in global surgery: effectiveness, cost-effectiveness, sustainability, and their role in training  
Presented at the Disease Control Priorities, Surgical authors meeting, Washington DC, September 2013
45. Konijeti G, **Shrime MG**, Sauk J, Ananthakrishnan A. Cost-effectiveness of competing strategies for *Clostridium difficile* infection.  
Presented at the American College of Gastroenterology meeting, San Diego, October 2013
46. **Shrime MG**, Goldstein DP, Seaberg RM, Freeman JL, Gullane PJ. Cost-effective management of low-risk papillary thyroid cancer.  
Presented at the King Saud bin Abdul-Aziz University for Health Sciences, March 2013
47. **Shrime MG**, Lai PS, Ferket B, Scott D, Celi LA, Hunink MGM. Decision-making at the end of life.  
Presented at the King Saud bin Abdul-Aziz University for Health Sciences, March 2013
48. **Shrime MG**. Global surgery, peace, and Mercy Ships  
Presented at the United Nations Headquarters, November 2012
49. **Shrime MG**, Lai PS, Ferket BS, Scott DJ, Celi LA, Hunink MGM. Using Markov models to determine the optimal duration for a trial of intensive care in patients with poor-prognosis cancer.  
Presented at the American Thoracic Society Meeting, San Francisco, May 2012

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50. **Shrime MG.** Mandible Fractures in the Developing World.  
Presented at Hôpital Albert Schweitzer, Deschappelles, Haiti, January 2012
51. **Shrime MG.** Head and Neck Surgery in West Africa.  
Presented at the AAO-HNS Humanitarian Efforts Committee Open Forum, October 2009, San Diego
52. Alexander AJ, de Almeida JR, **Shrime MG**, Goldstein DP, Gilbert RW. A novel out-patient approach to lower-lip reanimation using palmaris longus tendon sling.  
Presented at the American Academy of Facial Plastic, Reconstructive Surgery, October 2009, San Diego
53. de Almeida JR, Alexander AJ, **Shrime MG**, Gilbert RW, Goldstein DP. Development and validation of the Lip Reanimation Outcomes Questionnaire (LROQ).  
Presented at the American Academy of Facial Plastic, Reconstructive Surgery, October 2009, San Diego
54. **Shrime MG**, Bachar G, Lea J, Volling C, Ma C, Gullane PJ, Gilbert RW, Irish JC, Brown DH, Goldstein DP. Nodal ratio as an independent predictor of survival in squamous cell carcinoma of the oral cavity.  
Presented at the International Academy of Oral Oncology, July 2009, Toronto
55. **Shrime MG.** The Right to Look Human: Practicing Medicine in the Developing World.  
Presented at Wachovia Securities, The Seagram Building, May 2009, New York City
56. **Shrime MG.** The Right to Look Human: Head and Neck Surgery in the Developing World.  
Presented at Department of Otolaryngology Fellowship Rounds, December 2008, Toronto
57. **Shrime MG**, Goldstein DP, Seaberg RM, Freeman JL, Gullane PJ. Cost-effective management of low-risk papillary thyroid cancer.  
Presented at the American Head and Neck Society, April 2007, San Diego
58. **Shrime MG**, Goldstein DP, Le L, Gullane PJ. The impact of postoperative radiotherapy and the extent of neck dissection on T<sub>1-2</sub>N<sub>1</sub> squamous cell carcinoma of the oral cavity.  
Presented at the International Academy of Oral Oncology, May 2007, Amsterdam
59. **Shrime MG**, Johnson PE, Stewart MG. Cost-effective diagnosis of ingested foreign bodies.  
First-place poster presentation at the Combined Otolaryngology Fall Meeting, February 2007, Florida
60. **Shrime MG.** Depression in Head and Neck Cancer.  
Department of Otolaryngology Fellowship Rounds, November 2006, Toronto
61. **Shrime MG**, Tabae A, Rickert S, Hsu AK, Close LG. Synechia formation following endoscopic sinus surgery and middle turbinate medialization.  
Presented at the Combined Otolaryngology Spring Meeting, May 2006, Chicago
62. Tabae A, Hsu AK, **Shrime MG**, Rickert S, Close LG. Quality of life and complications following image-guided endoscopic sinus surgery.  
Presented at the Triologic Society, Eastern Section, January 2006, Toronto, ON.
63. **Shrime MG**, Kacker A, Orjuela AF, Xiang Z, Anand VK. Dysregulation of the apoptotic pathway in chronic rhinosinusitis.  
Presented at the Triologic Society, Eastern Section, January 2006, Toronto, ON
64. Ahn JA, Grunstein E, **Shrime MG**, Weiss G, Lin H, Ambron R. The role of retrograde signal peptides in facial nerve regeneration.  
Presented at the American Academy of Facial Plastic, Reconstructive Surgery, Sept 2005, Los Angeles
65. Anand VK, Manarey C, **Shrime MG**, Kacker A. Real-time image-guided endoscopic sinus surgery using the FluoroCAT technology.

Presented at the Combined Otolaryngological Spring Meetings, May 2004, New York, NY

66. **Shrime MG.** Facial Plastic Surgery and the American Civil War.  
Presented at the AAO-HNS National Meeting, 22 September 2003, Jacksonville, FL.
67. **Shrime MG, McClay JE, Biavati M, et al.** Gastroesophageal reflux and true vocal cord nodules.  
Presented at the American Society of Pediatric Otolaryngologists, Friday, 11 May 2001.

#### AWARDS

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Board of Directors' Committee Excellence Award, American Academy of Otolaryngology—Head and Neck Surgery, 2016  
Finalist, Lee Lusted Student Research Prize, Society for Medical Decision Making, 2013 and 2014  
Certificate of Distinction in Teaching, Harvard University, Bok Teaching Center, October 2013  
First-place poster presentation, Triological Society Combined Section Meetings, February 2007  
Second- and third-place awards, Sixth Annual Resident Research Competition, 2006  
The Arnold P. Gold Foundation Humanism and Excellence in Teaching Award, 2005  
Resident Travel Award for research presented at the Eastern Section meeting of the Triologic Society, 2006  
AAO-HNS-Stryker-Leibinger Travel Grant for the Annual AAO-HNSF meeting, 2005, 2003  
Second-place award, Fourth Annual Resident Research Competition, 2004  
Nominated for the American College of Surgeons' resident teaching award, 2003  
John Q. Adams Center for the History of Otolaryngology—Head and Neck Surgery research grant for Facial Plastic Surgery in Wartime, 2003  
Highest honors for undergraduate thesis work, 1996  
*Summa cum laude*, Princeton University, 1996

#### PROFICIENCY IN

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R, Java, Stata, AnyLogic, TreeAge, Excel, Word, Access

#### LANGUAGES SPOKEN

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English, French (semi-fluent), Arabic (conversational), Spanish (medical)

#### REFERENCES

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Available on request