

Matthew A. Crane

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Last updated: November 2021

EDUCATION

Johns Hopkins University School of Medicine Baltimore, MD
Doctor of Medicine (M.D.) May 2023

University of Southern California Los Angeles, CA
Bachelor of Science in Human Biology (B.S.) May 2019
Minor in Health Policy

RESEARCH & CONSULTING

World Health Organization Baltimore, MD
Strategic Advisory Group of Experts, Working Group on Covid-19 Vaccines July 2020 – Present
Academic Support Staff

University of Southern California Los Angeles, CA
Leonard D. Schaeffer Center for Health Policy and Economics January 2021 – Present
Visiting Scholar

Johns Hopkins University Baltimore, MD
Bloomberg School of Public Health, Department of Health Policy and Management March 2020 – Present
Research Assistant

National Academies of Sciences, Engineering, and Medicine Baltimore, MD
Committee on Prevention and Control of Sexually Transmitted Infections July 2020 – October 2020
Consultant

WORK & VOLUNTEERING

Los Angeles City Health Commission Los Angeles, CA
City Health Commissioner March 2018 – August 2019

- Appointed to the 15-seat Los Angeles City Health Commission as representative for District 13 by Councilmember Mitch O'Farrell, sworn in as the youngest member in the history of the Commission
- Tasked with determining the health needs of 4.0 million residents of Los Angeles, evaluating whether such needs are being met, and providing recommendations of public health policy to City Council

Mortar Board National College Senior Honor Society Los Angeles, CA
Board of Directors, Student Representative August 2018 – August 2020

- Elected by 100+ delegates at the 2018 National Conference to represent 4,500+ collegiate members of Mortar Board across 165 colleges from 2018-2020 on the 501(c)(3) 10-person Board of Directors
- Responsible for collegiate interfacing and \$500,000 budget allocation, supported by \$2 million endowment

University of Southern California Undergraduate Student Government Los Angeles, CA
Executive Cabinet, Senator and Speaker Pro Tempore December 2017 – May 2019

- Elected to represent 18,500+ undergraduates, subsequently elected by 11 other senators to serve as Speaker Pro Tempore, head of the Legislative Branch and serving on the 2018-2019 Executive Cabinet
- Served on committee to allocate a budget of \$2.4 million across 30+ accounts and hire 100+ USG members
- Acquired ~\$25,000 to build a bystander intervention training program for sexual assault prevention; lead author of USG Senate Resolution calling for campus-wide adoption, endorsed by 53 student organizations

Emergency Medical Services of University of Southern California Los Angeles, CA
Executive Board, Director September 2015 – February 2019

- Responsible for education and on-shift leadership of ~30 EMTs across 1,000+ hours of annual clinical care
- Recruited 200+ EMT students, managed a \$90,000 annual course partnership with contracted instructors
- Implemented student led First Aid/CPR certification classes to create an annual revenue stream of ~\$5,000

American Red Cross at University of Southern California

Los Angeles, CA

Executive Board, President

September 2016 – December 2018

- Restructured constitution and redefined goals, recruiting over 200 individuals in unprecedented growth
- Oversaw 2,700+ hours of community service across 70+ events and six major blood drives (300+ donors)
- Led a grant-funded outreach initiative teaching hands-only CPR to 1,000+ students at local middle schools

Project Malawi

Los Angeles, CA

Executive Board, Vice President and Cofounder

December 2016 – December 2017

- Served on founding Executive Board, responsible for internal logistics and creating advertising graphics
- Raised \$24,000 to be matched 20x by Project C.U.R.E. to deliver \$500,000 worth of medical supplies and equipment to establish critical medical infrastructure in the northern region of Malawi

AWARDS

2019	USC Biology Department <i>Milo Don Appleman Award</i> for Most Outstanding Graduating Senior
2019	Phi Kappa Phi
2018	Phi Beta Kappa
2018	Mortar Board Senior Honor Society, USC Chapter President
2016	USC Spanish and Portuguese Department Community Service Award
2015–2019	USC Dean's List (eight consecutive semesters)
2014	Boy Scouts of America Eagle Scout Award
2014	National Merit Scholar

GRANTS & SCHOLARSHIPS

2020	JHUSOM IEE Educational Shark Tank: Breaking the Silence: A Bystander Curriculum: \$5,000
2019	USC Provost's Undergraduate Research Fellowship: \$1,000
2019	USC Undergraduate Research Associates Program: \$1,500
2019	USC USG Leadership Fund, NCEMSF 2019 Annual Conference Funding Grant: ~\$4,000
2018	USC Provost's Undergraduate Research Fellowship: \$1,000
2018	Rose Hills Foundation Research Fellowship: \$5,000
2018	USC Dornsife Gateway Scholarship for Government/Nonprofit Work: \$2,500
2018	USC Provost's Undergraduate Research Fellowship: \$1,000
2018	USC USG Leadership Fund, NCEMSF 2018 Annual Conference Funding Grant: ~\$700
2017	USC Undergraduate Research Associates Program: \$1,500
2016	USC USG Philanthropy Fund, Red Cross CPR Outreach Funding Grant: ~\$800
2015–2019	USC Presidential Scholarship: ~\$26,000 (renewable for four years)

REFEREED JOURNAL PUBLICATIONS

1. **Crane MA**, Faden RR, Romley JA. (2021). Disparities In County COVID-19 Vaccination Rates Linked To Disadvantage And Hesitancy. *Health Affairs*.
Selected as featured article for November 2021 (Volume 40, Issue 11)
2. **Crane MA**, Popovic A, Panaparambil R, Stolbach AI, Romley JA, Ghanem KG. (2021). Reporting of Infectious Diseases in the United States During the COVID-19 Pandemic. *Clinical Infectious Diseases*.
3. Caturegli G, **Crane MA**, Etchill E, Giuliano K, Nguyen M, Philosophe B, Cho S, Wittstein IS, Whitman GJR (2021). Stress-Induced (Takotsubo) Cardiomyopathy After Liver Transplant Rescued with Venoarterial Extracorporeal Membrane Oxygenation. *ASAIO Journal*.
4. **Crane MA**, Jaffe E, Beigi RH, Karron RA, Krubiner CB, Wonodi, CB, Faden RR. (2021). Prioritization of Pregnant Individuals in State Plans for COVID-19 Vaccination. *American Journal of Obstetrics and Gynecology*.
5. Zhou B, Zissimopoulos J, Nadeem H, **Crane MA**, Goldman D, Romley JA. (2021). Association between exenatide use and incidence of Alzheimer's disease. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*.
6. **Crane MA**, Shermock KM, Omer SB, Romley JA. (2021). Change in Reported Adherence to Nonpharmaceutical Interventions During the COVID-19 Pandemic, April-November 2020. *JAMA*.
7. **Crane MA**, Popovic A, Stolbach AI, Ghanem KG. (2020). Reporting of Sexually Transmitted Infections During the COVID-19 Pandemic. *Sexually Transmitted Infections*.

8. **Crane MA**, Chang HA, Azamfirei R. (2020). Medical education takes a step in the right direction: where does that leave students? *JAMA*.
Editorial Commentary by Humphrey HJ, Woodruff, JN. (2020). The Pass/Fail Decision for USMLE Step 1—Next Steps. *JAMA*.
9. **Crane MA**, Kato KM, Patel BA, Huttenlocker AK. (2019). Histovariability in clavicular cortical bone microstructure and its mechanical implications. *Journal of Anatomy*.
Selected as cover feature for November 2019 (Volume 235, Issue 5)

CONFERENCE PROCEEDINGS

1. Kim J, **Crane M**, Tsgawa Y, Romley JA. Association of Verapamil Therapy and Reduced Hypoglycemic Events Among Medicare Patients With Newly Diagnosed Type 1 Diabetes. ISPOR (The Professional Society for Health Economics and Outcomes Research) 8th International Meeting. May 2020.
Abstract Published in *Value in Health*.

PEER-REVIEW

American Journal of Obstetrics and Gynecology
Forum for Health Economics & Policy
Journal of the European Academy of Dermatology and Venereology
Public Health Reports
SAGE Open Medicine

REPORTS & CONSULTING

National Academies of Sciences, Engineering, and Medicine. (2021). Sexually Transmitted Infections Adopting a Sexual Health Paradigm. Washington DC: The National Academies Press.

Corporate authorship; Consultant to the Committee on Prevention and Control of Sexually Transmitted Infections in the United States and Author of Appendix C, *Measuring the Impact of Worrying About STIs on Quality of Life*

World Health Organization. (2020). WHO SAGE Roadmap for prioritizing uses of COVID-19 vaccines in the context of limited supply. Geneva: World Health Organization.

Corporate authorship; Assistant to WHO SAGE Working Group on COVID-19 vaccines

World Health Organization. (2020). WHO SAGE values framework for the allocation and prioritization of COVID-19 vaccination. Geneva: World Health Organization.

Corporate authorship; Assistant to WHO SAGE Working Group on COVID-19 vaccines

Johns Hopkins Bloomberg School of Public Health. (2020). The Pandemic and the Supply Chain. Baltimore: Johns Hopkins University.

Corporate authorship; Research Assistant.

Los Angeles City Health Commission. (2019). Los Angeles City Health Commission 2018 Annual Report.

Corporate authorship; Lead Editor.

OTHER PUBLICATIONS

Faden RR, **Crane MA**, Omer SB. (2021) The best vaccination strategy is simple: Focus on Americans 65 and older. *The Washington Post*

Crane MA. (2020). What working with the World Health Organization has taught me about this stage of the pandemic. *The San Diego Union-Tribune*

Crane MA. (2020). We were learning about coronavirus in medical school. Now we're living it. *The San Diego Union-Tribune*

Crane MA. (2019). Anti-vaccine hysteria is at an all-time high. Gov. Newsom isn't helping. *The Sacramento Bee*

Crane MA. (2019). Tackling sexual assault starts with understanding campus climate. *The Daily Trojan*

SELECTED MEDIA

2021 January, Axios

Pandemic fatigue quantified

2019 April, Annenberg Media

USG passes resolution in support of AB 1510 after USC hires outside lobbying firm

2019 March, Daily Trojan

Student chosen for LA health commission

2019 February, Today Show

Young men get candid about how #MeToo is impacting them

2019 February, Daily Trojan

USG adopts bystander training