

Jamie S. Benson

MD-PhD Trainee (CDY4), University of Pennsylvania

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EDUCATION

University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA

Doctor of Medicine (in progress) — Anticipated May 2031

Doctor of Philosophy, Epidemiology (in progress) — Anticipated May 2029

- **Campus Involvement and Leadership:** CUT Hypertension Clinic Volunteer (2023-2024); Peer Mentor: UpLIFT (2023-Present); Admissions Student Interviewer (2023-Present); CHOP Family Connects Volunteer (2024-Present); PSOM UMEC Program Evaluation Committee member (2025-Present); Emergency Medicine Interest Group executive board (2025-Present); Penn MSTP Retreat Planning Committee (2025-Present); Penn Med Votes organizing committee (2025-Present); Leonard Davis Institute for Health Economics (LDI) Associate Fellow (2026-Present)
- **Honors:** Gold Humanism Honor Society (GHHS); Fontaine Society; MSPE Accolade for Exceptional Professionalism

University of Vermont, College of Arts and Sciences, Burlington, VT

Individually Designed Bachelor of Arts: Healthcare Structure & EMS Research, Biochemistry Minor — May 2020

GPA: 3.76/4.0, BCMP GPA: 3.65/4.0

- **Relevant Coursework:** Public Health Communication; Statistical Methods I/II; Philosophy: Medical Ethics; Healthcare Structure; Emergency Medicine Research; Molecular Biology; Biochemistry; Biostatistics; Race & Racism in the USA
- **Dean's List:** Spring 2017; Fall 2018; Spring 2019; Fall 2019; Spring 2020
- **Honors:** Graduated with College Honors; Elmer Nicholson Achievement Prize for Outstanding Student Leadership; Nu Gamma Outstanding Community Advocate Award; Andrew 'PJ' Kaspirin Service Award; Boulder Honor Society; Order of Omega Honor Society; Gamma Sigma Alpha Honor Society
- **Campus Involvement and Leadership:** President and Co-Founder: Peer Aid Network (2018-2020); Emergency Medicine Student Research Associate (2017-2020); Phi Mu Delta Fraternity (2016-2020); Student Admissions Representative (2019-2020); Senator and Chair: Student Government Academic Affairs Committee (2016-2019); Student Representative: Board of Trustees (2016-2020); Resident Advisor: Cultural Crossroads (2017-2018)

EXPERIENCE

UVM Larner College of Medicine: Research Specialist

Burlington, VT — October 2020 - June 2023 (Departments of Radiology, Surgery, and Medicine)

- Proactively aided in department research management in conjunction with the Vice-Chair for Population Health.
- Took an active, co-leading role in the design, analysis, presentation, and dissemination of over twenty Acute Care Surgery research projects, including health equity, trauma system evaluation, and clinical practice studies.
- Evaluated the impact of network healthcare delivery models and health policy using focus group, discrete choice experiment, retrospective cohort, and randomized controlled trial research methodologies.
- Developed cross-department research programs for accelerated machine learning and public health research projects.
- Observed operative and non-operative interventions in General and Acute Care Surgery, and Interventional Radiology.

Waterbury Ambulance Service, Inc.: Advanced EMT

Waterbury, VT — August 2015 - July 2023 (Volunteer Healthcare Provider, Crew Chief, IT Coordinator)

- Advocate for enhanced training and preparedness for pediatric patients, serving as the district's Pediatric Emergency Care Coordinator, and provide advanced life support patient care on 9-1-1 calls.

- Launched and continue to support HIPAA-compliant email, patient payment and crew scheduling systems, computer systems, and emergency response equipment.

Jamie Benson Consulting: Founder

Waterbury, VT — August 2009 – July 2023 (Founder and Sole Proprietor, IT Consulting Company)

- Repaired electronics, designed business-scale networks, and provided IT solutions for over 500 clients in 4 countries.

Vermont Department of Health: Public Health Specialist

Burlington, VT — August 2015 – October 2020 (Emergency Management Intern & COVID-19 Medical Logistics Staff)

- Conducted primary research into safety and efficacy of VTEMS patient care protocols, and collaborated with hospitals, state agencies, and other researchers to disseminate results.
- Assisted in the evidence-based revision of VTEMS protocols and created tools which facilitate this process.
- Coordinated the distribution of personal protective equipment (PPE) to Vermont healthcare providers at the start of the COVID-19 pandemic.

SKILLS & INTERESTS

- **Technical:** Statistical programming (R, SAS, STATA, Python, Bash, Ngene); Geographic Information Systems (GIS); web development; data visualization (Tableau, R, Plotly, PowerBI); systems administration; process improvement
- **Clinical:** FEMA ICS 200-700, EVOC, WFR, and AEMT Certified; HeartSafe VT Advisory Board; UVMCC Trauma Simulation Assistant; VTEMS Protocol Revision Committee - Trauma Team Lead
- **Language:** Limited working proficiency in Mandarin Chinese; native English speaker
- **Interests:** Photography; skiing; hiking; rock climbing; reading; cooking; home automation; playing with my rescue cats

PUBLICATIONS

1. **Benson JS**, Patel BP, Bayes B, Cooney-Zingman E, Stephens Shields AJ, Halpern SD. Financial Incentives to Address Representativeness in Randomized Clinical Trials: A Secondary Analysis of the RETAIN Randomized Clinical Trial. *JAMA Internal Medicine*. Published online June 2026. doi:10.1001/jamainternmed.2026.2507
2. Van Den Broek-Altensburg EM, **Benson JS**, Emery J, et al. Individual, Community, and Structural Determinants of Diagnostic Testing Decisions during Public Health Crises: Evidence from Dynamic Access and Behavioural Trade-Offs. *BMJ Public Health*. 2026;4(2):e004380. doi:10.1136/bmjph-2025-004380
3. Van Den Broek-Altensburg EM, **Benson JS**, Atherly AJ, DeStigter KK. Patient Preferences for Diagnostic Imaging Services: Decentralize or Not? *PLOS One*. 2025;20(5):e0301404. doi:10.1371/journal.pone.0301404
4. Van Den Broek-Altensburg EM, **Benson JS**, Jonk Y, Leslie A, Carney J, Stein G. Diagnostic Testing Preferences in Rural and Vulnerable Populations During a Pandemic: Discrete Choice Experiment. *JMIR Public Health and Surveillance*. 2025;11:e68734. doi:10.2196/68734
5. Van Den Broek-Altensburg EM, Cunningham NO, **Benson JS**, Ali NS, DeStigter KK. Patients' and Providers' Preferences and Perceptions for Imaging Information for Patients: Cross-Sectional Survey Study. *Journal of Participatory Medicine*. 2025;17:e72362. doi:10.2196/72362
6. Osler TM, Amato S, **Benson JS**, et al. Injury Severity Scoring: Its Definition and Practical Application. In: *Current Therapy of Trauma and Surgical Critical Care*. Elsevier; 2024:6-7.e14. doi:10.1016/B978-0-323-69787-3.00012-5
7. Sarathy A, **Benson JS**, Nguyen K, Amato S, Sajisevi M, Ostby ET. Pediatric Head and Neck Trauma in the United States: Trends, Risk Factors and Outcomes Using the National Trauma Data Bank. *Laryngoscope Investigative Otolaryngology*. 2024;9(4):e1301. doi:10.1002/lio2.1301
8. Naumann J, **Benson JS**, Lamberson M, et al. At-risk Patient Documentation and Naloxone Dispersal for a Rural Statewide EMS "Naloxone Leave Behind" Program. *Journal of the American College of Emergency Physicians Open*. 2024;5(3):e13186. doi:10.1002/emp2.13186

9. Van Den Broek-Altenburg EM, Leslie AA, **Benson JS**, DeStigter KK. Disparities in Mammography Screening: Analyzing Barriers to Access Using Individual Patient Perspectives and the Health Belief Model. *Cancer Control*. 2024;31:10732748241248367. doi:10.1177/10732748241248367
10. Van Den Broek-Altenburg EM, **Benson JS**, Atherly AJ. Examining Alignment of Community Health Teams' Preferences for Health, Equity, and Spending with State All-payer Waiver Priorities: A Discrete Choice Experiment. *Health Services Research*. 2024;59(S1):e14257. doi:10.1111/1475-6773.14257
11. Sarathy A, Marassi C, Feinberg N, **Benson JS**, Amato S. Violence against Women in the United States: Trends, Risk-Factors, and Outcomes from the National Trauma Data Bank (NTDB). *Journal of Clinical & Medical Surgery*. 2023;3(2).
12. Natkin LW, Van Den Broek-Altenburg EM, **Benson JS**, Atherly A. Community Health Teams: A Qualitative Study about the Factors Influencing the Decision-Making Process. *BMC Health Services Research*. 2023;23(1):466. doi:10.1186/s12913-023-09423-6
13. Amato S, **Benson JS**, Stewart B, et al. Current Patterns of Trauma Center Proliferation Have Not Led to Proportionate Improvements in Access to Care or Mortality after Injury: An Ecologic Study. *The Journal of Trauma and Acute Care Surgery*. 2023;94(6):755-764. doi:10.1097/TA.0000000000003940
14. **Benson JS**, Wolfson D, Van Den Broek-Altenburg EM. Tradeoffs in Triage of Motor Vehicle Trauma by Rural 911 Emergency Medical Services Practitioners. *Medical Decision Making*. 2023;43(3):311-324. doi:10.1177/0272989X221145677
15. Hess S, Lancsar E, **Benson JS**, et al. The Path towards Herd Immunity: Predicting COVID-19 Vaccination Uptake through Results from a Stated Choice Study across Six Continents. *Social Science & Medicine*. 2022;298:114800. doi:10.1016/j.socscimed.2022.114800
16. Bomba JJ, **Benson JS**, Wolfson D, Hosmer D. Administration of Epinephrine by Advanced Emergency Medical Technicians for Out-of-Hospital Cardiac Arrest in a Rural Emergency Medical Services System. *Journal of the American College of Emergency Physicians Open*. 2021;2:e12521. doi:10.1002/emp2.12521
17. Van Den Broek-Altenburg EM, Atherly AJ, Hess S, **Benson JS**. The Effect of Unobserved Preferences and Race on Vaccination Hesitancy for COVID-19 Vaccines: Implications for Health Disparities. *Journal of Managed Care & Specialty Pharmacy*. 2021;27(9-a Suppl):S2-S11. doi:10.18553/jmcp.2021.27.9-a.s2
18. **Benson JS**, Amato S, Osler T, Hosmer D, Malhotra A. Hard Lessons: The Impact of Secondary Education on COVID-19 Cases and Deaths in the U.S. *SSRN Electronic Journal*. Published online 2021. doi:10.2139/ssrn.3825107
19. Amato SS, **Benson JS**, Murphy S, et al. Geographic Coverage and Verification of Trauma Centers in a Rural State: Highlighting the Utility of Location Allocation for Trauma System Planning. *Journal of the American College of Surgeons*. 2021;232(1):1-7. doi:10.1016/j.jamcollsurg.2020.08.765

PRESENTED ABSTRACTS & PRESENTATIONS

1. **Drug Treatment Centers and Neighborhood Crime: Evidence from 20 U.S. Cities Over 20 Years.** **Benson JS**, Seewald NJ, Nesoff ED. Poster Presentation, SAVIR 2026 Annual Meeting, Providence, Rhode Island, April 2026.
2. **Improving Rural Health Equity: Assessing the COVID-19 Testing Landscape in Rural Northern New England.** Carney J K , Leslie A , Woods, E, **Benson J**, van den Broek-Altenburg E, Fox K, Jonk YC, Gray C, Avila M, Stein, G. Presentation, NNE CO-OP PCBRN Annual Meeting, Bartlett, NH, January 2024.
3. **Assessing Rural Northern New England's COVID-19 Testing Landscape through Community Engagement.** Carney J K , Leslie A , Woods, E, **Benson J**, van den Broek-Altenburg E, Fox K, Jonk YC, Gray C, Avila M, Stein, G. Presentation, CUGH 2024 Annual Meeting, Los Angeles, CA, January 2024.
4. **The impact of the Vermont all-payer waiver on alignment between community health teams and a statewide accountable care organization.** Adam Atherly, Eline van den Broek-Altenburg, Jamie **Benson**. Oral Presentation, American Public Health Association Annual Meeting (APHA 2023), Atlanta, GA, November 2023.
5. **Patterns of testing preferences in rural underserved populations in the United States: Evidence from a discrete choice experiment.** van den Broek-Altenburg E, Carney JK, Leslie A, **Benson J**, Woods E, Avila MM, Stein G, Yong J, Fox K, and Gray C. Podium Presentation, American Public Health Association Annual Meeting (APHA 2023), Atlanta, GA, November 2023.

6. **A qualitative assessment of the COVID-19 testing landscape in rural areas of northern New England through community engagement.** Fox K, Carney JK, Jonk YC, Gray C, Leslie A, **Benson J**, Woods E, van den Broek-Altenburg E, Avila MM, Stein G, Locke S, Russell K. Podium Presentation, American Public Health Association Annual Meeting (APHA 2023), Atlanta, GA, November 2023.
7. **Patterns of testing preferences in rural underserved populations in the United States: Evidence from a discrete choice experiment.** van den Broek-Altenburg E, Carney JK, Leslie A, **Benson J**, Woods E, Avila MM, Stein G, Yong J, Fox K, and Gray C. Podium Presentation, SMDM Annual North American Meeting, Philadelphia, PA, October 2023.
8. **Improving Rural Health Equity: Assessing the COVID-19 Testing Landscape in Rural Northern New England..** Carney J K , Leslie A , Woods, E, **Benson J**, van den Broek-Altenburg E, Fox K, Jonk YC, Gray C, Avila M, Stein, G. Podium Presentation, VT Annual Health Equity Summit, Burlington, VT, October 2023.
9. **Testing Preferences in U.S. Rural Underserved Populations: Evidence from a Discrete Choice Experiment.** van den Broek-Altenburg E, Carney JK, Jonk YC, Gray C, Leslie A, **Benson J**, Woods E, Avila MM, Fox K, Stein G. Lightning Talk, VT Annual Health Equity Summit, Burlington, VT, October 2023.
10. **Assessing Rural Northern New England's COVID-19 Testing Landscape through Community Engagement.** Kim F, Carney JK, Jonk YC, Gray C, Leslie A, **Benson J**, Mercedes Avila, Elizabeth Woods, Eline van den Broek-Altenburg, Gary Stein. Poster Presentation, Maine Public Health Association's 2023 Annual Meeting, Bangor, ME, September 2023.
11. **On Mortality Risk-Adjustment in a Cross-National Study of Injured Patients in the U.S. And India.** **Jamie Benson**, Neil Thivalapill, Stas Amato, Carolina Torres, David Hosmer, Turner Osler, Tato Uribe-Leitz, Nakul Raykar, Ajai Malhotra. Poster Presentation, American Association for the Surgery of Trauma (AAST) 82nd Annual Meeting, Anaheim, CA, September 2023.
12. **Pediatric Head and Neck Trauma: Trends, Risk Factors and Outcomes.** **Ashwini Sarathy**, **Jamie Benson**, Kenny Nguyen, Stas Amato, Mirabelle Sajisevi. Oral Presentation, American Academy of Otolaryngology- Head and Neck Surgery (AAO-HNSF) Annual Meeting, Nashville, TN, September 2023.
13. **Characterizing Use of Splenic Artery Embolization to Treat Blunt Splenic Injury: Who Benefits?.** **Jamie Benson**, Stas Amato, Solomon Feuerwerker, Turner Osler, David Hosmer, Amanda Galenkamp, Gary An, Ajai Malhotra. Quick-Shot Presentation, American Association for the Surgery of Trauma (AAST) 82nd Annual Meeting, Anaheim, CA, September 2023.
14. **A qualitative assessment of the COVID-19 testing landscape in rural areas of northern New England through community engagement.** Fox K, Carney JK, Jonk YC, Gray C, Leslie A, **Benson J**, Woods E, van den Broek-Altenburg E, Avila MM, Stein G, Locke S, Russell K. Presentation, RADx-Advancing Community-Academic Partnerships (ACAP) Presentation Series, Zoom, September 2023.
15. **Comparing risk adjusted trauma mortality between systems with different resource availability: MGAP is a more appropriate adjustment score.** **Jamie Benson**, Neil Thivalapill, Stas Amato, Carolina Torres, David Hosmer, Turner Osler, Tato Uribe-Leitz, Nakul Raykar, Ajai Malhotra. Presentation, The 6th World Trauma Congress (WTC2023), Tokyo, Japan, August 2023.
16. **Community Health Teams: Factors Influencing Decision Making Process for Resource Allocation.** **Eline van den Broek-Altenburg**, Adam Atherly, **Jamie Benson**. Poster Presentation, AcademyHealth 2023 Annual Research Meeting, Seattle, WA., June 2023.
17. **Patterns of Testing Preferences in rural underserved populations in the United States: Evidence from a Discrete Choice Experiment.** **Eline van den Broek-Altenburg**, **Jamie Benson**, Kimberley Fox, Jan Carney, Yvonne Jonk, Carolyn Gray, Leslie Abimbola, **Jamie Benson**, Maria Mercedes Avila, Elizabeth Woods, Gary Stein. Presentation, AcademyHealth 2023 Annual Research Meeting, Seattle, WA, June 2023.
18. **An Assessment of Rural Northern New England's COVID-19 Testing Landscape through Community Engagement.** Kimberley Fox, Jan Carney, Yvonne Jonk, **Carolyn Gray**, Leslie Abimbola, **Jamie Benson**, Maria Mercedes Avila, Elizabeth Woods, Eline van den Broek-Altenburg, Gary Stein. Presentation, AcademyHealth 2023 Annual Research Meeting, Seattle, WA, June 2023.
19. **Patterns of Testing Preferences in Rural and Underserved Populations in the United States.** **Jamie Benson**, Neil Thivalapill, Stas Amato, Carolina Torres, David Hosmer, Turner Osler, Tato Uribe-

Leitz, Nakul Raykar, Ajai Malhotra. Presentation, 14th Meeting of the International Academy of Health Preference Research (IAHPR), Sydney, Australia, June 2023.

20. **Assessing the COVID-19 testing Landscape in Rural Northern New England through Community Engagement. Abimbola Leslie**, Carolyn Gray, Eline van den Broek-Altenburg, Elizabeth Woods, Gary Stein, Jamie **Benson**, Jan Carney, Kimberley Fox, Maria Mercedes Avila, Sara Kahn-Troster. Poster Presentation, National Institutes of Health 'Rapid Acceleration of Diagnostics in Underserved Populations' RADx-UP 2023 Scientific Meeting, Zoom, May 2023.
21. **Disparities in Mammography Screening Among the Nepalese Minority Population in Vermont. Eline van den Broek-Altenburg**, Kristen DeStigter, Jamie **Benson**, Abimbola Leslie. Poster Presentation, Northern New England Clinical and Translational Research Network CO-OP Meeting, Stowe, VT., January 2023.
22. **The Impact of the Vermont All-Payer Waiver on Alignment between Community Health Teams and a statewide Accountable Care Organization. Adam Atherly**, Eline van den Broek-Altenburg, Jamie **Benson**. Poster Presentation, ISPOR Europe (Professional Society for Health Economics and Outcomes Research), Vienna, Austria, November 2022.
23. **Identification of At-Risk Patients in a Statewide EMS “Naloxone Leave Behind” Program. Jesse Naumann**, Jamie **Benson**, Miles Lamberson, Samantha Hunt, Stephanie Busch, William Moran, Daniel Wolfson. Podium Presentation, American College of Emergency Physicians Research Forum, San Francisco, C.A., October 2022.
24. **Patient Preferences for Diagnostic Imaging Services: Blueprint for Value-Based Incentives Incorporating Individual Preference Heterogeneity.** Eline van den Broek-Altenburg, **Jamie Benson**, Adam Atherly, Kristen DeStigter. Poster Presentation, 13th Meeting of the International Academy of Health Preference Research, Berlin, Germany, September 2022.
25. **The Effect of Unobserved Preferences and Race on Vaccination Hesitancy for COVID-19 Vaccines: Implications for Health Disparities.** Eline van den Broek-Altenburg, **Jamie Benson**, Adam Atherly, Stephane Hess. Poster Presentation, 13th Meeting of the International Academy of Health Preference Research, Berlin, Germany, September 2022.
26. **The Effect of Unobserved Preferences and Race on Vaccination Hesitancy for COVID-19 Vaccines: Implications for Health Disparities. Eline van den Broek-Altenburg**, Jamie **Benson**, Adam Atherly, Stephane Hess. Poster Presentation, International Choice Modelling Conference, Reykjavik, Iceland, May 2022.
27. **Patient Preferences for Diagnostic Imaging Services: Blueprint for Value-Based Incentives Incorporating Individual Preference Heterogeneity.** Eline van den Broek-Altenburg, **Jamie Benson**, Adam Atherly, Kristen DeStigter. Poster Presentation, International Choice Modelling Conference, Reykjavik, Iceland, May 2022.
28. **Disparities in Out of Hospital Cardiac Arrest Outcomes in a Rural Emergency Medical Services System. Xavier Schwartz**, Jamie **Benson**, Miles Lamberson, Edom Girma, Daniel Wolfson. Plenary Presentation, Society for Academic Emergency Medicine (SAEM) Annual Meeting, New Orleans, LA., May 2022.
29. **Disparities in Out of Hospital Cardiac Arrest Outcomes in a Rural Emergency Medical Services System. Xavier Schwartz**, Jamie **Benson**, Miles Lamberson, Edom Girma, Daniel Wolfson. Plenary Presentation, Society for Academic Emergency Medicine (SAEM) New England Regional Meeting, Worcester, MA., April 2022.
30. **Access to Trauma Center Care and Its Impact on Injury Mortality in the United States. Jamie Benson**, Stas Amato, Alan Cook, Barclay Stewart, Turner Osler, David Hosmer, Frederick Rogers, Robert Winchell, Gary An, Ajai Malhotra. Quickshot Presentation, 17th Academic Surgical Congress Annual Meeting, Houston, TX., February 2022.
31. **Helicopter Vs. Ground Trauma Transport: A National Propensity Score Matched Comparison. Emma Dunne**, Stas Amato, Serena Murphy, Jamie **Benson**, Turner Osler, David Hosmer, Gary An, Ajai Malhotra. Poster Presentation, American College of Surgeons Clinical Congress, Chicago, IL., November 2021.

32. **A Comparison Of Statistical Power Among Injury Severity Scores Using The National Trauma Data Bank.** Stas Amato, Steven Ranney, Jamie Benson, Daniel Hosmer, Turner Osler. Quickshot Presentation, American College of Surgeons Clinical Congress, Chicago, IL., November 2021.
33. **Understanding How Patients Define Value with Respect to Imaging Center Attributes and Radiologist Interaction.** Eline van den Broek-Altenburg, Kayla Berigan, Jamie Benson. Poster Presentation, Radiologic Society of North America, Chicago, IL., October 2021.
34. **Optimizing Access to Trauma Center Care in a Rural State with a Trauma System: A Geographic Location Allocation Analysis.** Jamie Benson, Kyle Kalkwarf, Stas Amato, Hanna Jensen, Gary An, Kevin Sexton, Ajai Malhotra. Poster Presentation, American Association for the Surgery of Trauma Annual Clinical Congress, Atlanta, GA., September 2021.
35. **Treatment Effect of Helicopter Trauma Transport: A National Propensity Score Matched Analysis.** Emma Dunne, Stas Amato, Serena Murphy, Jamie Benson, Turner Osler, David Hosmer, Gary An, Ajai Malhotra. Poster Presentation, American Association for the Surgery of Trauma Annual Clinical Congress, Atlanta, GA., September 2021.
36. **The Effect of Unobserved Preferences and Race on Vaccination Hesitancy for COVID-19 Vaccines: Implications for Health Disparities.** Eline van den Broek-Altenburg, Jamie Benson, Adam Atherly, Stephane Hess. Podium Presentation, AcademyHealth Annual Research Meeting, Porto Alegre, Brazil, June 2021.
37. **Determining Provider Preferences for Communication of Imaging Reports to Patients in the Cures Act Era.** Kayla Berigan, Jamie Benson, Eline van den Broek-Altenburg, Danielle Kruse, Naiim Ali. Podium Presentation, American College of Radiology Annual Meeting, Zoom, May 2021.
38. **Hard Lessons: The Impact of Population Education on COVID-19 Cases and Deaths in the United States.** Jamie Benson, Stas Amato, Turner Osler, David Hosmer, Ajai Malhotra. Poster Presentation, Consortium of Universities for Global Health Conference, Zoom, March 2021.
39. **Losing Face: Mask Use, Partisanship, and COVID-19 Cases and Deaths in the United States.** Van Hoang & Stas Amato, Jamie Benson, Turner Osler, David Hosmer, Ajai Malhotra. Poster Presentation, Consortium of Universities for Global Health Conference, Zoom, March 2021.
40. **County Level Independent Predictors of COVID-19 Spread and Death in the United States.** Stas Amato & Jamie Benson, Van Hoang, Tessa Cattermole, Turner Osler, David Hosmer, Ajai Malhotra. Poster Presentation, Consortium of Universities for Global Health Conference, Zoom, March 2021.
41. **Geographic Coverage and Designation of Trauma Centers in a Rural State: Highlighting the Utility of Location-Allocation for Trauma System Planning.** Stas Amato & Jamie Benson, Serena Murphy, Andrew Erb, Ajai Malhotra, Daniel Wolfson, Gary An. Poster Presentation, American College of Surgeons Clinical Congress, Zoom, October 2020.
42. **Outcomes Following Interfacility Transfer: A Propensity Score Matched Analysis of Flight and Ground Transfers in a Rural State.** Serena Murphy, Stas Amato, Emma Dunne, Jamie Benson, Andrew Erb, Gary An, Ajai Malhotra. Poster Presentation, American College of Surgeons Committee on Trauma Resident Competition, Zoom, March 2020.
43. **Adapting the Centers for Disease Control Guidelines for Field Triage of Injured Patients to a Rural EMS System: the "50 Minute Rule".** Jamie Benson, Charles MacLean, Ramsey Herrington, Daniel Wolfson. Poster Presentation, University of Vermont Student Research Conference, Burlington, VT, April 2019.
44. **Evaluating Rural Trauma Transport Times and Destination Care Level with Rural Urban Commuting Areas.** Serena Murphy, Pamela Derickson, Jamie Benson, Daniel Wolfson, Ajai Malhotra, Gary An. Poster Presentation, Academic Surgical Congress, Houston, TX., April 2019.

TEACHING

Teaching Assistantship, Biochemistry I. Undergraduate TA — University of Vermont, Department of Biochemistry, Burlington, Vermont — August 2019.