

CURRICULUM VITAE

ZOË GABRIELE BAKER, Ph.D., M.P.H.

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FACULTY APPOINTMENTS

Adjunct Research Assistant Professor of Urology **2020-2022**
Keck School of Medicine, University of Southern California, Los Angeles, CA

EDUCATION

Doctor of Philosophy (Ph.D.) | Epidemiology **2018**
University of California, Los Angeles (UCLA), Los Angeles, CA
Dissertation: *The Impact of Partnership Factors on Adherence to HIV Pre-Exposure Prophylaxis and Antiretroviral Therapy*

Master of Public Health (M.P.H.) | Epidemiology **2015**
University of California, Los Angeles (UCLA), Los Angeles, CA
Thesis: *Barriers to Obstetric Fistula Treatment in Low-Income Countries: A Systematic Review*

Bachelor of Arts (Hon.) | Environmental Studies **2012**
McGill University, Montreal, QC, Canada
First Class Honours with Distinction
Concentration: Ecological Determinants of Health | Minor: Political Science
Thesis: *Predicting Sea Level Rise in Subsiding Coastal Regions: The Mississippi and Ganges-Brahmaputra Deltas*

PROFESSIONAL EXPERIENCE

Associate Director of Health and Clinical Research **2023-Present**
Office of the Vice President of Research | Arizona State University

- Oversee and manage Arizona State University (ASU)'s health and clinical research portfolio to expand and shape health research
- Work with ASU Deans and external healthcare leadership to promote health research expansion in alignment with strategic priorities at ASU and throughout the Phoenix metropolitan area

Clinical Research Coordinator, Director of Clinical Research **2019-2022**
Division of Urology | Children's Hospital Los Angeles

- Managed and directed all clinical research among 6 urologists, 2 pediatric urology fellows, 1 clinical psychologist, and 1 clinical research assistant
- Provided leadership regarding research development, study design, data collection, statistical analysis, and manuscript writing

Epidemiologist **2018-2019**
Office of Planning and Data Analytics | Los Angeles County Department of Health Services

- Performed analyses and monitored health outcomes for 30,000 high-need patients across 15 programs throughout LA County
- Assessed healthcare utilization and outcome evaluation for populations experiencing homelessness, serious physical/mental illnesses, justice involvement, and high-risk pregnancies

Doctoral Researcher **2015-2018**

Department of Epidemiology | University of California, Los Angeles

- Conducted clinical trial qualitative research assessing the adherence to and acceptability of a vaginal ring to prevent HIV
- Identified barriers to HIV pre-exposure prophylaxis (PrEP) adherence utilizing multi-level mixed model regression methods
- Assessed the impact of partnership support on antiretroviral therapy adherence in Brazil

Clinical Operations Analyst **2017**

UCLA Arthur Ashe Student Health Center | University of California, Los Angeles

- Tracked and reported clinical metrics in Primary Care, Women’s Health, Physical Therapy, Dermatology, Podiatry, and Gastroenterology for over 40,000 unique patients, reporting to Executive Leadership

Research Intern

Population Council | Nairobi, Kenya **2014**

- Systematically researched barriers to obstetric fistula treatment in Kenya and sub-Saharan Africa to inform interventions
- Conducted field-based research to assess uptake and outcomes of health voucher programs for low-income families

MEMBERSHIPS AND CERTIFICATIONS

The Royal Society of Medicine – Associate Member	2023-Present
Sexual Medicine Society of North America – Member	2022-Present
Societies of Pediatric Urology – Research Scientist Member	2021-2023
American Urological Association – Affiliate Member	2021-2023
Western Section of the American Urological Association – Affiliate Member	2021-2023
Society of Clinical Research Associates (SOCRA) Certified Clinical Research Coordinator	2019-2022
Association of Clinical Research Professionals (ACRP) Certified Clinical Research Coordinator	2019-2022

SERVICE

Institute of Nursing and Interprofessional Research Grant – <i>Grant Reviewer</i>	2022
Children’s Hospital Los Angeles (CHLA) Research Enterprise Strategic Plan: Information Security Working Group – <i>Member</i>	2022
CHLA Clinical Services Research Council – <i>Member</i>	2020-2022
CHLA Pediatric Urology Fellowship Interview Committee – <i>Member</i>	2020-2022
CHLA Clinical Services Research Council – <i>Co-Chair</i>	2020-2022
CHLA Clinical Services Collaborative Governance Administrative Council – <i>Member</i>	2020-2022

CHLA Research Council Grant – <i>Scientific Mentor</i>	2021-2022
CHLA Clinical Services Research Day – <i>Moderator</i>	2022
The Saban Research Institute Research Day – <i>Abstract Reviewer</i>	2021-2022
CHLA Clinical Services Research Day – <i>Abstract Reviewer</i>	2022

INVITED LECTURES

Clinical Research in Pediatric Urology, <i>Division of Urology – Visiting Professor, Children’s Hospital Los Angeles (CHLA), Los Angeles, CA</i>	Jun 2022
How to Start a Clinical Research Project, <i>Clinical Services Research Council, CHLA, Los Angeles, CA</i>	Jan 2022
Urological Clinical Research, <i>Division of Urology – Visiting Professor, CHLA, Los Angeles, CA</i>	Nov 2021
Introduction to Clinical Research, <i>Department of Physical Therapy, CHLA, Los Angeles, CA</i>	Sep 2021
Big Data Analysis, <i>Columbia School of Social Work, Columbia University, New York, NY</i>	Nov 2020
Introduction to Clinical Research, <i>Trauma Program, CHLA, Los Angeles, CA</i>	Jun 2020
Chinese Symposium: Clinical Research in Urology, <i>Division of Urology, CHLA, Los Angeles, CA</i>	Oct 2019

UNDERGRADUATE, GRADUATE, AND MEDICAL STUDENT MENTORSHIP

2022	Daniel Inouye, BS	Medical Student	Epididymo-orchitis and COVID-19 in pediatric patients
2022	Jessica Yang, BS	Master of Public Health Student	Reduction in maternal anxiety following prenatal pediatric urology consultation
2021-2022	Priya Kohli, BS	Medical Student	Sexual health literacy among adolescent patients with spina bifida
2019-2022	Melanie Au, BS	Medical Student	Mental health status of patients with bladder exstrophy, cloacal exstrophy, and epispadias: A scoping review
2020-2022	Hannah Dillon, BS	Pre-Medical Student	Clinical research in pediatric urology
2021	Andrew Cowan, MD	Medical Student	Gender-affirming vaginoplasty among three adolescent patients: Video bank
2020-2021	Nidhi Bhaskar, BS	Medical Student	Statistical limitations in pediatric urology national rankings
2019-2020	Erin Annick, BS	Pre-Medical Student	Defining post-obstructive diuresis in neonates following posterior urethral valve ablation
2019-2020	Cherry Deng, BS	Pre-Pharmacy Student	Correlation between prenatal hydronephrosis severity and postnatal surgical intervention
2019-2020	Danielle Estell, BS	Medical Student	Mature ovarian cystic teratoma mimicking a bladder diverticulum in a 16-year-old female

2019-2020	Terry Zhu, BS	Medical Student	Impact of sociodemographic factors on post-operative opioid use following outpatient pediatric urologic procedures
2019	Peter Eskander, BS	Medical Student	Müllerian remnant embedded in labia majora

POSTGRADUATE MENTORSHIP

2022-2023	Helal Syed, MD	Pediatric Urology Fellow	Age variations in etiology of pre-pubescent testicular masses; pre-operative stent exposure to reduce post-operative pain
2022-2023	Courtney Winn, RN	Registered Nurse	Nurse, Surgeon, and Parent Assessment of Hypospadias Outcomes
2021-2022	YuDing Wang, MD, MS	Pediatric Urology Fellow	Hypospadias assessment; pediatric urology training; vesicoureteral reflux as a predictor of renal outcomes in patients with posterior urethral valves
2020-2021	Arthi Hannallah, MD	Pediatric Urology Fellow	Mobility limitations, proximity to food deserts, and BMI effects on pediatric nephrolithiasis outcomes; 2D vs 3D learning for laparoscopic skills training; utility of renal scintigraphy in diagnosing multicystic dysplastic kidney

MANUSCRIPT REVIEW

<i>SAGE Open Medicine</i>	2023-Present
<i>Health Psychology and Behavioral Medicine</i>	2022-Present
<i>AIDS Patient Care and STDs</i>	2022-Present
<i>Translational Andrology and Urology</i>	2022-Present
<i>International Journal of Pediatric Research</i>	2022-Present
<i>Journal of Clinical Ultrasound</i>	2022-Present
<i>Current Medical Imaging</i>	2022-Present
<i>African Journal of Reproductive Health</i>	2022-Present
<i>Pediatrics</i>	2021-Present
<i>Reproductive Health</i>	2021-Present
<i>Global Health Research and Policy</i>	2021-Present
<i>Heliyon</i>	2021-Present
<i>Journal of AIDS</i>	2018-Present
<i>AIDS and Behavior</i>	2016-Present

PUBLICATIONS

1. Dillon H, Pena A, Baker Z, Wang Y, Syed H, Sparks S. Nephrolithiasis in two patients on iron chelation therapy: A case report. *Transfus. Apher.* 2023 Mar; Ahead of production.

2. Inouye D, **Baker Z**, Pena A, Vasquez E. Epididymitis, orchitis, and epididymo-orchitis associated with SARS-CoV-2 infection in pediatric patients: A systematic review. *Frontiers in Urology*. 2023 Jan; <https://doi.org/10.3389/fruro.2022.1092192>.
3. Yang J, **Baker Z**, Syed H, Vasquez E. Urogenital sinus diagnosed during workup of recurrent urinary tract infections: A case report. *Urology*. 2023 Jan; <https://doi.org/10.1016/j.urology.2022.12.031>.
4. Yang J, **Baker Z**, Dillon H, Klecha I, Hannallah A, SooHoo M, Ko J, De Filippo R, Vasquez E. Reduction in maternal anxiety following prenatal pediatric urology consultation. *Frontiers in Urology*. 2023 Jan; <https://doi.org/10.3389/fruro.2022.1089135>.
5. Hannallah A, **Baker Z**, Bajakian T, Cowan A, Vasquez E, Ko J. Imaging characteristics predicting elevated detrusor pressures in patients with spina bifida. *J Pediatr Urol*. 2022 Oct; <https://doi.org/10.1016/j.purol.2022.10.021>.
6. Vasquez E, Dillon H, Hannallah A, Wang Y, **Baker Z**. False positive pregnancy tests in pediatric patients with augmentation enterocystoplasty. *J Pediatr Urol*. 2022 Sep; <https://doi.org/10.1016/j.jpuro.2022.09.008>.
7. Zhu T, **Baker Z**, Trabold M, Kelley-Quon LI, Basin MF, Vazirani R, Chen J, Kokorowski PJ. Sociodemographic differences in opioid use and recovery following ambulatory pediatric urologic procedures. *J Child Health Care*. 2022 Sep; <https://doi.org/10.1177/13674935221124738>.
8. Hannallah A, **Baker Z**, Bajakian T, Inouye D, Khouzam N, Sparks S. Nephrolithiasis management and outcomes in pediatric patients with limited mobility. *J Pediatr Urol*. 2022 Aug; <https://doi.org/10.1016/j.jpuro.2022.08.017>.
9. Bajakian T, Hannallah A, Cowan A, **Baker Z**, Sparks S, Lee J, Kokorowski P. Three cases utilizing the hidden incision endoscopic surgery approach to port placement during penile inversion vaginoplasty utilizing a peritoneal flap. *J Urol*. 2022 Aug; <https://doi.org/10.1016/j.jpuro.2022.08.011>.
10. Kohli P, Wang Y, **Baker Z**, Stephany H, Abedi G, Shows J, Kokorowski P. Epithelioid hemangioma of the glans penis in an adolescent male: A case report. *Urology*. 2022 Aug; <https://doi.org/10.1016/j.urology.2022.07.035>.
11. Cowan A, Hannallah A, Bajakian T, **Baker Z**, Gayer C, Zhou S, Chang A, Wang Y, Kokorowski P. Bilateral Wilms' tumor in a female with Simpson-Golabi-Behmel syndrome. *Surgical Case Reports*. 2022 Aug; <https://doi.org/10.31487/j.SCR.2022.08.01>.
12. Annick E, Ko J, **Baker Z**, Hannallah A, De Filippo R, Chang A. Continued use of scrotal ultrasounds for the work-up of undescended testes: Confirmation bias and inaccuracies. *J Paediatr Child Health*. 2022 Aug; 58(5):1384-1389. <https://doi.org/10.1111/jpc.15998>.
13. Hannallah A, **Baker Z**, De Filippo R, Sparks S, Ko J, Vasquez E. Utility of renal scintigraphy versus renal ultrasound in the diagnosis of multicystic dysplastic kidney. *J Clin Ultrasound*. 2022 Jul; 50(6):854-861. <https://doi.org/10.1002/jcu.23172>.
14. Hannallah A, **Baker Z**, Chang A, Ko J. Persistent anhydramnios and lower urinary tract obstruction in a patient with a vesicoamniotic shunt. *Urology*. 2022 Jul; 165:319-321. <https://doi.org/10.1016/j.urology.2021.11.018>.

15. **Baker Z**, Herbst K, Bhaskar N, Hagadorn J, Kokorowski P. Sample size, power, and risk of misclassification in pediatric urology hospital rankings. *J Urol*. 2021 Aug; 206(2):436-446. <https://doi.org/10.1097/JU.0000000000001844>.
16. Basin M, **Baker Z**, Zhu T, Kelley-Quon L, Bhaskar N, Vazirani R, Chen J, Kokorowski P. The impact of patient age and procedure type on postoperative opioid use following ambulatory pediatric urologic procedures. *Pediatr Surg Int*. 2021 Aug; 37(8):1127-1133. <https://doi.org/10.1007/s00383-021-04912-3>.
17. Holzman S, Ahn J, **Baker Z**, Chaung K, Copp H, Davidson J, Davis-Dao C, Ewing E, Ko J, Lee V, Macareg A, Nicassio L, Sadighian M, Stephany H, Sturm R, Swords K, Wang P, Wehbi E, Khoury A. A multicenter study of acute testicular torsion in the time of COVID-19. *J Pediatr Urol*. 2021 Aug; 17(4):478.e1-478.e6. <https://doi.org/10.1016/j.jpuro.2021.03.013>.
18. **Baker Z**, Javanbakht M, Moore J, Brosnan H, Squires K, Bunge K, Zimet G, Mensch B, Soto-Torres L, Kapogiannis B, Levy L, Hoesley C, Reirden D, Gaur A, Mayer K, Futterman D, Gorbach P. A qualitative study on the acceptability of and adherence to a vaginal ring for HIV prophylaxis among adolescent girls. *JAIDS*. 2021 Jul; 87(3):944-950. <https://doi.org/10.1097/QAI.0000000000002674>.
19. **Baker Z**, Gorbach P, Goncalves de Melo M, Varela I, Sprinz E, Santos B, de Melo Rocha T, Simon M, Almeida M, Lira R, Chaves M, Kerin T, Nielsen K. The effect of partnership presence and support on HIV viral suppression among serodiscordant partnered and single heterosexual HIV-positive individuals in Brazil. *AIDS Behav*. 2021 Jun; 25(6):1946-1953. <https://doi.org/10.1007/s10461-020-03124-5>.
20. **Baker Z**, Hannallah A, Trabold M, Estell D, Deng C, Chang A, Sparks S, De Filippo R, Vasquez E. Association between severity of prenatally diagnosed hydronephrosis and receipt of surgical intervention postnatally among patients seen at a fetal-maternal center. *BMC Urol*. 2021 Apr; 21(1):54. <https://doi.org/10.1186/s12894-021-00822-7>.
21. Estell D, Asanad K, **Baker Z**, Vasquez E. Mature ovarian cystic teratoma mimicking a bladder diverticulum in a 16-year-old female. *Urology*. 2021 Mar; 149:e56-e59. <https://doi.org/10.1016/j.urology.2020.08.050>.
22. Eskander P, **Baker Z**, Vasquez E. Müllerian remnant embedded in labia majora. *Urology*. 2019 Dec; 134:209-212. <https://doi.org/10.1016/j.urology.2019.09.013>.
23. Melo M, Varella I, Gorbach P, Sprinz E, Santos B, Melo T, Simon M, Almeida M, Lira R, Chaves M, **Baker Z**, Kerin T, Nielsen K. Antiretroviral adherence and virologic suppression in partnered and unpartnered HIV-positive individuals in southern Brazil. *PLoS ONE*. 2019 Feb; 14(2):e0212744. <https://doi.org/10.1371/journal.pone.0212744>.
24. **Baker Z**, Javanbakht M, Mierzwa S, Pavel C, Lally M, Zimet G, Gorbach P. Predictors of over-reporting HIV pre-exposure prophylaxis (PrEP) adherence among young men who have sex with men (YMSM) in self-reported versus biomarker data. *AIDS Behav*. 2018 Apr; 22(4):1174-1183. <https://doi.org/10.1007/s10461-017-1958-4>.
25. **Baker Z**, Bellows B, Bach R, Warren C. Barriers to obstetric fistula treatment in low-income countries: A systematic review. *Trop Med Int Health*. 2017 May; 22(8):938-955. <https://doi.org/10.1111/tmi.12893>.

ABSTRACTS AND PRESENTATIONS

1. Hannallah A, **Baker Z**, Khouzam N, Sparks S. Psychological concerns among pediatric patients with nephrolithiasis and their caregivers at a multidisciplinary kidney stone clinic. American Urological Association. Apr 2023, Chicago, IL (Podium).
2. Hannallah A, **Baker Z**, Bajakian T, Cowan A, Vasquez E, Ko J. Imaging characteristics predicting elevated detrusor pressures in patients with spina bifida. World Congress on Spina Bifida Research and Care. **Mar 2023**, Tucson, AZ (Podium).
3. Wang YuDing, **Baker Z**, Dillon H, Chang AY. Association between vesicoureteral reflux and renal failure among neonatally managed patients with posterior urethral valves. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Podium).
4. Hannallah A, Dillon H, Bajakian T, Sparks S, Chang AY, Kokorowski P, **Baker Z**. 2D vs 3D enhanced remote learning for laparoscopic skills training: A randomized trial. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Podium).
5. Hannallah A, **Baker Z**, Bajakian T, Cowan A, Vasquez E, Ko J. Association between bladder pressures and imaging findings among pediatric patients with spina bifida. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Moderated Poster).
6. **Baker Z**, Dillon H, Hannallah A, Wang Y, Vasquez E. False positive pregnancy tests among pediatric patients with augmentation cystoplasty using small bowel. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Moderated Poster).
7. Wang Y, Syed H, **Baker Z**, Lemley K, Chang A. Assessment of post-obstructive diuresis following valve ablation in neonates. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Moderated Poster).
8. **Baker Z**, Dillon H, Hannallah A, Klecha I, Ko J, De Filippo R, Vasquez E. Reduction in maternal worry and anxiety after prenatal urologic consultations. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Poster).
9. **Baker Z**, SooHoo M, Dillon H, Montano Z, Vasquez E. Pre- and post-operative experiences of children and parents undergoing major reconstructive surgery for continence: A qualitative study. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Poster).
10. Bajakian T, **Baker Z**, Wang Y, Chang A. Prevalence of disorders of sex development (DSD) in patients with hypospadias and undescended testes. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Poster).
11. SooHoo M, **Baker Z**, Wang Y, Kysh L, Dillon H, Hannallah A, Montano Z, Vasquez E. Mental health, psychosocial functioning, and health-related quality of life of children, adolescents, and adults with bladder exstrophy, cloacal exstrophy, and epispadias: A scoping review. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Poster).
12. Wang Y, **Baker Z**, Dillon H, Ko J. The diagnosis and management of acute epididymitis not related to sexually transmitted infection in children: A retrospective review. Western Section of the American Urological Association (WAUA). **Nov 2022**, Kauai, HI (Poster).
13. Syed H, Yang J, **Baker Z**, Vasquez E. A case of urogenital sinus diagnosed during workup of recurrent urinary tract infections. Society of Fetal Urology (SFU). **Oct 2022**, Las Vegas, NV (Podium; Awarded Best Case Presentation).

14. Dillon H, **Baker Z**, Hannallah A, Klecha I, Ko J, De Filippo R, Vasquez E. Reduction in maternal anxiety after prenatal urologic consultations. Society of Pediatric Urology Fall Congress. **Oct 2022**, Las Vegas, NV (Podium).
15. SooHoo M, **Baker Z**, Wang Y, Kysh L, Dillon H, Hannallah A, Montano Z, Vasquez E. Mental health, psychosocial functioning, and health-related quality of life of children, adolescents, and adults with bladder exstrophy, cloacal exstrophy, and epispadias: A scoping review. Society of Pediatric Urology Fall Congress. **Oct 2022**, Las Vegas, NV (Podium).
16. Hannallah A, Dillon H, Bajakian T, Chang A, Sparks S, Kokorowski P, **Baker Z**. 2D vs 3D Video enhanced remote learning for laparoscopic skills training – A randomized trial. Society of Pediatric Urology Fall Congress. **Oct 2022**, Las Vegas, NV (Moderated Poster).
17. Wang Y, **Baker Z**, Dillon H, Chang A. Association between vesicoureteral reflux and renal failure among neonatally managed patients with posterior urethral valves. American Academy of Pediatrics National Conference. **Oct 2022**, Anaheim, CA (Poster).
18. **Baker Z**, SooHoo M, Dillon H, Montano Z, Vasquez E. Pre- and post-operative experiences of children undergoing major reconstructive surgery for continence: A qualitative study. Society of Pediatric Urology Fall Congress. **Oct 2022**, Las Vegas, NV (Moderated Poster).
19. Wang Y, **Baker Z**, Dillon H, Ko J. The diagnosis and management of acute epididymitis in children not related to sexually transmitted infection: A retrospective review. Canadian Urological Association Annual Meeting. **Jun 2022**, Charlottetown, P.E.I., Canada (Moderated Poster).
20. Wang Y, **Baker Z**, Dillon H, Chang A. Association between vesicoureteral reflux and renal failure among neonatally managed patients with posterior urethral valves. Canadian Urological Association Annual Meeting. **Jun 2022**, Charlottetown, P.E.I., Canada (Moderated Poster).
21. SooHoo M, **Baker Z**, Wang Y, Kysh L, Dillon H, Hannallah A, Montano Z, Vasquez E. Mental health, psychosocial functioning, and health-related quality of life of children, adolescents, and adults with bladder exstrophy, cloacal exstrophy, and epispadias: A scoping review. Canadian Urological Association Annual Meeting. **Jun 2022**, Charlottetown, P.E.I., Canada (Moderated Poster). Awarded First Place Pediatric Poster.
22. SooHoo M, **Baker Z**, Wang Y, Kysh L, Dillon H, Hannallah A, Montano Z, Vasquez E. Mental health, psychosocial functioning, and health-related quality of life of children, adolescents, and adults with bladder exstrophy, cloacal exstrophy, and epispadias: A scoping review. European Society for Paediatric Urology Annual Meeting. **Jun 2022**, Ghent, Belgium (Podium).
23. **Baker Z**, Hannallah A, Dillon H, Wang Y, Vasquez E. False positive pregnancy tests among pediatric patients with augmentation cystoplasties using small bowel. American Urological Association. **May 2022**, New Orleans, LA (Moderated Poster).
24. Hannallah A, **Baker Z**, Naser-Tavakolian A, Bajakian T, Saker S, Khouzam N, Sparks S. Proximity to food deserts increases risk of pediatric nephrolithiasis. American Urological Association. **May 2022**, New Orleans, LA (Moderated Poster).
25. Hannallah A, **Baker Z**, Bajakian T, Khouzam N, Sparks S. BMI differences in pediatric patients with and without nephrolithiasis by pubertal status. Societies for Pediatric Urology. **Dec 2021**, Miami, FL (Podium).

26. Hannallah A, **Baker Z**, Warren M, Chang A. Application of RENAL nephrometry score to distinguish malignant and nonmalignant pediatric renal masses. Societies for Pediatric Urology. **Dec 2021**, Miami, FL (Podium).
27. Hannallah A, **Baker Z**, Bajakian T, Khouzam N, Sparks S. Socioeconomic variations in pediatric nephrolithiasis in a populous urban county. Societies for Pediatric Urology. **Dec 2021**, Miami, FL (Moderated Poster).
28. Hannallah A, Bajakian T, Cowan A, **Baker Z**, Lee M, Sparks S, Kokorowski P. Robotic gender affirming reconstruction with peritoneal flap vaginoplasty using a hidden incision technique. Societies for Pediatric Urology. **Dec 2021**, Miami, FL (Video Presentation).
29. Hannallah A, **Baker Z**, Bajakian T, Khouzam N, Sparks S. Time to nephrolithiasis diagnosis in pediatric patients with limited mobility. Societies for Pediatric Urology. **Dec 2021**, Miami, FL (Poster).
30. Hannallah A, **Baker Z**, De Filippo R, Sparks S, Ko J, Vasquez E. Utility of functional renal scans in evaluation of MCDK. Western Section of the American Urological Association. **Sept 2021**, Indio, CA (Podium).
31. Hannallah A, **Baker Z**, Bajakian T, Khouzam N, Sparks S. Time to nephrolithiasis diagnosis in pediatric patients with limited mobility. Western Section of the American Urological Association. **Sept 2021**, Indio, CA (Moderated Poster).
32. Hannallah A, Ko J, **Baker Z**, Chang A. Persistent anhydramnios and LUTO in a patient with a vesicoamniotic shunt. Society for Fetal Urology. **Sept 2021**, Virtual (Podium). Awarded Top 3 Best Cases.
33. Hannallah A, **Baker Z**, Khouzam N, Sparks S. BMI and nephrolithiasis in a pediatric cohort by pubertal status. World Congress of Endourology and Uro-Technology. **Sept 2021**, Virtual (Moderated Poster).
34. **Baker Z**, Herbst K, Hagadorn J, Kokorowski P. Sample size, power, and risk of misclassification in US News and World Report ranking methodology for pediatric urology surgical complications. European Society for Paediatric Urology/Societies for Pediatric Urology, **Sept 2021**, Virtual (Podium).
35. Hannallah A, **Baker Z**, Estell D, Trabold M, De Filippo R, Sparks S, Chang A, Vasquez E. Prevalence of VUR and pyelonephritis among pediatric patients prenatally diagnosed with MCDK. Children's Hospital Los Angeles Institute of Nursing and Interprofessional Research Annual Conference, **Oct 2020**, Virtual (Poster).
36. Trabold M, **Baker Z**, Sparks S. Breakthrough urinary tract infections and antibiotic resistance patterns among patients with vesicoureteral reflux on continuous antibiotic prophylaxis. Children's Hospital Los Angeles Institute of Nursing and Interprofessional Research Annual Conference, **Oct 2020**, Virtual (Poster).
37. Basin M, **Baker Z**, Trabold M, Zhu T, Kelley-Quon L, Vazirani R, Chen J, Kokorowski P. The impact of patient age and procedure type on post-operative opioid use following ambulatory pediatric urologic procedures. Children's Hospital Los Angeles Institute of Nursing and Interprofessional Research Annual Conference, **Oct 2020**, Virtual (Poster).
38. **Baker Z**, Herbst K, Hagadorn J, Kokorowski P. Sample size, power, and risk of type I/II error in US News and World Report ranking methodology for pediatric urology surgical complications.

Western Section of the American Urology Association Annual Meeting, **Oct 2020**, Virtual (Podium).

39. **Baker Z**, Trabold M, Zhu T, Basin M, Kokorowski P. The effect of caudal block vs. local regional infiltration on pediatric patients' post-operative pain and opioid use following ambulatory urologic procedures. Western Section of the American Urology Association Annual Meeting, **Oct 2020**, Virtual (Poster).
40. Hannallah A, **Baker Z**, Estell D, Trabold M, De Filippo R, Sparks S, Chang A, Vasquez E. Prevalence of VUR and UTIs among pediatric patients prenatally diagnosed with MCDK. Western Section of the American Urology Association Annual Meeting, **Oct 2020**, Virtual (Moderated Poster).
41. Annick E, Ko J, **Baker Z**, Chang A. Testicular ultrasound: Useless for the diagnosis of undescended testicles. Western Section of the American Urology Association Annual Meeting, **Oct 2020**, Virtual (Poster).
42. Trabold M, **Baker Z**, Sparks S. Breakthrough urinary tract infections and antibiotic resistance patterns among patients with vesicoureteral reflux on continuous antibiotic prophylaxis. Western Section of the American Urology Association Annual Meeting, **Oct 2020**, Virtual (Poster).
43. Estell D, **Baker Z**, Trabold M, De Filippo R, Chang A, Sparks S, Vasquez E. Association between severity of prenatally diagnosed hydronephrosis and receipt of surgical intervention among patients seen at a fetal maternal center. American Urology Association Annual Meeting, **May 2020**, Virtual (Podium).
44. Basin M, **Baker Z**, Trabold M, Zhu T, Jiayao C, Vazirini R, Kokorowski P. The impact of age on post-operative opioid use following ambulatory pediatric urologic procedures. American Urology Association Annual Meeting, Washington DC, **May 2020** (Poster).
45. Basin M, Trabold M, Chen J, Shah A, **Baker Z**, Kokorowski P. Post-operative narcotic use following ambulatory pediatric urologic procedures. Western Section AUA Annual Meeting, Monterey, CA, **Nov 2019** (Moderated Poster).
46. **Baker Z**, Montano Z, Vasquez E, Chang A, Xie H, De Filippo R. Using virtual reality to teach urologic surgical techniques for rare conditions. American Psychological Association Technology, Mind, & Society Conference, Washington, DC, **Oct 2019** (Poster).
47. **Baker Z**, Han J, Thaker H, Trabold M, Chang A. Human umbilical cord allograft associated with higher rates of successful urethrocutaneous repair among pediatric patients. Society of Pediatric Urology (SPU) Fall Congress, Scottsdale, AZ, **Sept 2019** (Moderated Poster).
48. **Baker Z**, Montano Z, Vasquez E, Chang A, Xie H, De Filippo R. Using virtual reality to teach urologic surgical techniques for rare conditions. Society of Pediatric Urology (SPU) Fall Congress, Scottsdale, AZ, **Sept 2019** (Moderated Poster).
49. **Baker Z**, Montano Z, Vasquez E, Chang A, Xie H, De Filippo R. Using virtual reality to teach urologic surgical techniques for rare conditions. The Saban Research Institute Annual Poster Session, Los Angeles, CA, **Jun 2019** (Poster).
50. Sridhar A, **Baker Z**, Elias S. Long-acting reversible contraceptive uptake in a student health center following the 2016 presidential election. American College of Obstetricians and Gynecologists Annual Clinical and Scientific Meeting. Austin, TX, **Apr 2018** (Poster).

51. **Baker Z**, Bellows B, Bach R, Warren C. Barriers to obstetric fistula treatment in low-income countries: A systematic review. UC Global Health Conference, Los Angeles, CA, **Jun 2016** (Poster).
52. **Baker Z**, Bellows B, Bach R, Warren C. Barriers to obstetric fistula treatment in low-income countries: A systematic review. UCLA Department of Epidemiology Annual Conference, Los Angeles, CA, **Jun 2015** (Poster). Awarded First Place Poster Presentation.

GRANT SUPPORT:

Agency: The Sexual Medicine Society of North America Foundation **2023-2024**

Role: Mentor

Percent Effort: 5%

Title: Evaluation of Sexual Education Needs in Adolescents with Spina Bifida and Correlation between Sexual Satisfaction, Depression, and Anxiety

Total Direct Costs: \$5,000

Agency: The Institute for Nursing and Interprofessional Research **2022-2024**

Role: Mentor; Co-investigator

Percent Effort: 10%

Title: Nurse, Parent, and Surgeon Assessment of Hypospadias Outcomes

Total Direct Costs: \$20,000

Agency: Children's Hospital Los Angeles – Clinical Services Research Council **2022-2023**

Role: Principal Investigator

Percent Effort: 10%

Title: Hormonal and Protein Changes in the Urine of Patients with a History of Bladder Augmentation: A Pilot Study

Total Direct Costs: \$5,000

Agency: Barbara M. Korsch Award for Research in Medical Education **2020-2021**

Role: Co-investigator

Percent Effort: 10%

Title: Enhancing Laparoscopic Surgical Skills Training with Accessible Three-Dimensional Video

Total Direct Costs: \$20,000

Agency: National Association of Theater Owners **2019-2020**

Role: Research Coordinator; Co-investigator

Percent Effort: 15%

Title: Virtual Reality to Reduce Procedural Pain and Anxiety During Urology Procedures

Total Direct Costs: \$40,000

Agency: Department of Epidemiology, University of California, Los Angeles **2015-2018**

Role: Graduate Student Researcher

Title: The Impact of Partnership Factors on Adherence to HIV Pre-Exposure Prophylaxis and Antiretroviral Therapy

Total Award: \$30,000

Agency: Undergraduate Education Initiatives, University of California, Los Angeles **2016-2018**

Role: Teaching Fellow
Percent Effort: 50%
Title: Teaching Fellowship: Frontiers in Human Aging
Total Award: \$50,000

Agency: Department of Epidemiology, University of California, Los Angeles **2016**

Role: Graduate Student Researcher
Title: Travel Award: HAART Adherence among HIV-Serodiscordant Couples in Brazil
Total Award: \$5,000

Agency: Bixby Program **2015**

Role: Graduate Student Research Assistant
Title: Quality of Maternal Healthcare in Ghana
Total Award: \$750

TEACHING EXPERIENCE

Teaching Fellow **2016-2018**

Undergraduate Education Initiatives | University of California, Los Angeles

- Taught courses on public health, immunology, and public policy to undergraduate students
- Designed a course on health research, data analysis, science communication, and immunology

Teaching Assistant **2015-2017**

Department of Epidemiology | University of California, Los Angeles

- Taught epidemiology to graduate students and medical students, focusing on study design, methods for data collection and analysis, and disease etiology

HONORS AND AWARDS

3rd Best Presentation | Western Section of the American Urological Association **2022**

Best Case Presentation | Society of Fetal Urology Annual Meeting **2022**

First Place Pediatric Poster | Canadian Urological Association Annual Meeting **2022**

Top 3 Cases | Society of Fetal Urology Annual Meeting **2021**

Basic Science Symposium Travel Award | American Urological Association Annual Meeting **2021**

Inductee | Delta Omega Honor Society in Public Health **2018**

Epidemiology Fellowship | Fielding School of Public Health, University of California, Los Angeles **2015-2018**

First Place Poster | Fielding School of Public Health, University of California, Los Angeles **2014**

First Class Honours and Distinction | McGill University **2012**