

GREGORY KNELL

Assistant Professor
University of Texas Health Science Center at Houston
School of Public Health
Paul M. Bass Administrative & Clinical Center
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EDUCATION

- 2017 Ph.D., Epidemiology
The University of Texas Health Science Center at Houston (UTHealth)
School of Public Health, Houston, Texas
- 2013 M.S., Kinesiology
University of North Texas, Denton, Texas
- 2005 B.S., Kinesiology
Texas A&M University, College Station, Texas

POST-GRADUATE TRAINING

- 2017-2019 Postdoctoral Research Fellow
UTHealth School of Public Health, Houston, Texas
Michael & Susan Dell Center for Healthy Living, Austin, Texas
Project: *Cancer Education and Career Development Program*
Grant number: NCI/NIH R25 CA57712. Mullen, PD (PI) (2017-2018)
Grant number: NCI/NIH T32 CA57712. Mullen, PD (PI) (2018-2019)
- 2018 Research Fellow
Physical Activity and Public Health Research Directions & Strategies
Centers for Disease Control & Prevention
University of South Carolina Arnold School of Public Health, Columbia, South
Carolina

PROFESSIONAL EXPERIENCE

- 2019- Research Faculty
Andrews Institute for Orthopedics and Sports Medicine
Children's Health, Plano
- 2019- Assistant Professor, tenure-track
Center for Pediatric Population Health
Department of Epidemiology, Human Genetics & Environmental Science
UTHealth School of Public Health, Dallas
- 2018-2019 Co-Instructor
Department of Health Promotion and Behavioral Science
UTHealth School of Public Health, Dallas, Texas
- 2018-2019 Adjunct Faculty
Department of Kinesiology, Health Promotion, & Recreation
University of North Texas, Denton, Texas

Signed



- 2013-2017 Doctoral Research Assistant
UTHealth School of Public Health, Austin, Texas
Project: *Effects of Light Rail Transit on Physical Activity: A Natural Experiment.*
Grant number: NIDDK/NIH R01 DK101593. Kohl, HW III (PI)
- 2014-2017 Doctoral Teaching Assistant
Department of Epidemiology, Human Genetics & Environmental Sciences
UTHealth School of Public Health, Austin, Texas
- 2015-2016 Associate Research Epidemiologist
Precision Health Economics
Precision Medicine Group, Los Angeles, California
- 2015-2016 Specialist
Department of Public Health, School of Human Ecology
The University of Texas at Austin, Austin, Texas
- 2011-2012 Teaching Fellow
Department of Kinesiology, Health Promotion & Recreation, College of Education,
University of North Texas, Denton, Texas
- 2006-2011 Marketing Manager
Robwill Inc., Dallas, Texas
- 2005-2006 Subcontractor - Hurricane Katrina Relief
GL Barron Company, Inc., Fort Worth, Texas

GRANTS AND CONTRACTS

Current

Behavioral factors affecting sport-related concussion recovery time for adolescents (PI: Knell, G)

Source: Children's Health intramural pilot grant
Direct cost: \$47,935 (overall)
Role: Principal Investigator; grant conceptualization; author
02/2020—02/2021

In preparation

Developing models for community-led development of effective physical activity interventions in multi-unit housing complexes (PI: Ranjit, N)

Source: NIH Phased Innovation Award (R21/R33)
Direct cost: \$775,000(overall)
Status: To be submitted in NIH Cycle I (February) 2020
Role: Co-Investigator

Feasibility of telemedicine and clinic based physical therapy for acute concussion management in adolescents (mPI: Knell, G)

Source: NINR/NIH Clinical Trial Planning Grant (R34) FOA: PAR-19-060
Direct cost: \$275,000 (overall)
Status: To be submitted in NIH Cycle II (June) 2020
Role: Multiple Principal Investigator (Contact PI); grant conceptualization; author

Submitted

Behavioral factors affecting sport-related concussion recovery time for adolescents (PI: Knell, G)

Source: NINDS/NIH Development (R21) FOA: PA-18-358
Direct cost: \$177,802 (overall)
Status: Under review
Role: Principal Investigator; grant conceptualization; author

Evaluating components of body composition and musculoskeletal injury severity among pediatric hospital patients. (PI: Knell, G)

Source: National Obesity Research Center (NORC) - Texas.
Costs: \$25,000
Status: Not funded
Role: Principal Investigator; grant conceptualization; author

Longitudinal effects of a new policy to standardize school start and stop times on obesity-related behaviors across K-12 schools in a large urban school district. (PI: Durand, CP)

Source: NICHD/NIH Development (R01) FOA: PAR-15-346
Direct cost: \$1.9M (overall)
Status: Reviewed and scored (not fundable)
Role: Co-Investigator; grant conceptualization; author

Completed projects

Reliability of an online system to assess physical activity behaviors in a college aged population. (PI: Knell, G)

Source: Fellows Research Development Grant, University of North Texas
Period: 02/01/2013 – 05/01/2013
Role: Principle Investigator
Grant amount: \$1,000

HONORS & AWARDS

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|------|---|
| 2019 | Inaugural Deans' Excellence in Research Award, School of Public Health, University of Texas Health Science Center (UTHealth) |
| 2018 | "Top Digital Biomarker Paper of 2017" nominee for <i>Ecological Momentary Assessment of Physical Activity: Validation Study</i> (Knell et al., 2017; JMIR), Digital Biomarkers |
| 2017 | Emerging Researcher Travel Award, National Institutes of Health (NIH), Office of Disease Prevention (ODP), Pathways to Prevention Workshop on Methods for Evaluating Natural Experiments in Obesity |
| 2017 | National Honor Society of Public Health Inductee, Delta Omega, Alpha Iota Chapter |
| 2016 | Conference/Meeting Travel Award, Interdepartmental Concentrations, University of Texas School of Public Health |
| 2016 | Inaugural Outstanding Graduate Assistant, Michael and Susan Dell Center for Healthy Living |
| 2014 | Dean's Excellence Scholarship, University of Texas Health Science Center (UTHealth) |

2013	Lauream Christian Robertson Memorial Scholarship, University of North Texas
2012	The Vivian S. Spohn Education Scholarship, University of North Texas
2012	Kenneth Bahnsen Scholarship, University of North Texas
2012	Victor and Flo Rodriguez Scholarship, University of North Texas
2005	Academic All-American, Men’s Collegiate Lacrosse Association, Texas A&M University

PUBLICATIONS

Peer reviewed (denotes manuscripts from dissertation; †denotes joint first authorship)*

- 1) Taylor W, Durand CP, **Knell G**. Income Disparities in Obesity: Frames of Reference. *Health Equity*. 2019 December; 3(1). DOI: [10.1089/heap.2019.0064](https://doi.org/10.1089/heap.2019.0064)
- 2) **Knell G**, Salvo D, Shuval K, Durand CP, Kohl III HW, Gabriel KP. A methodological approach to retaining accelerometers and associated data in community-based settings: The TRAIN Study. *Journal for the Measurement of Physical Behavior*. 2019 August; 2(3) 197-202. DOI: doi.org/10.1123/jmpb2018-0039
- 3) Oluoyomi AO, **Knell G**, Durand CP, Mercader C, Salvo D, Sener IN, Gabriel KP, Hoelscher DM, Kohl III HW. Foot-based audit of streets adjacent to new light rail stations in Houston, Texas: Measurement of health-related characteristics of the built environment for physical activity research. *BMC Public Health*. 2019 February; 19(238)/ PMC: 30819121. PMCID: PMC6393971. DOI: doi.org/10.1186/s12889-019-6560-4.
- 4) ***Knell G**, Gabriel KP, Salvo DS, Durand CP, Shuval K, Kohl III HW, Brown HS. Cost-effectiveness of improvements to the built environment intended to increase physical activity. *Journal of Physical Activity and Health*. 2019 April; 16(308-317). PMID: 30982380. Epub ahead of print. PMCID: PMC6543547. DOI: [10.1123/jpah.2018-0329](https://doi.org/10.1123/jpah.2018-0329)
- 5) **Knell G**, Durand CP, Kohl III HW, Wu I, Gabriel KP. Prevalence and likelihood of meeting sleep, physical activity, and screen-time guidelines among US youth. *JAMA Pediatrics*. 2019 February; PMID: 30715096. PMCID: PMC6450269. DOI: [doi: 10.1001/jamapediatrics.2018.4847](https://doi.org/10.1001/jamapediatrics.2018.4847)
- 6) **Knell G**, Qing L, Gabriel KP, Shuval K. Long term weight loss and metabolic health in adults concerned with maintaining or losing weight: findings from NHANES. *Mayo Clinic Proceedings*. 2018 November; 93(11):1611-1616. PMID 30119916. PMCID: PMC6526934. DOI: [doi: 10.1016/j.mayocp.2018.04.018](https://doi.org/10.1016/j.mayocp.2018.04.018).
- 7) ***Knell G**, Durand CP, Shuval K, Kohl III HW, Salvo D, Olyuomi AO, Gabriel KP. If you build it, will they come? A quasi-experimental evaluation of sidewalk improvements and changes in physical activity. *Translational Journal of the American College of Sports Medicine*. 2018 May; 9(66-71). PMID: 30148210 PMCID: PMC6105313. DOI: [10.1249/TJX.0000000000000060](https://doi.org/10.1249/TJX.0000000000000060)
- 8) ***Knell G**, Durand CP, Shuval K, Salvo D, Kohl III HW, Sener IN, Gabriel KP. Transit Use and Physical Activity: Findings from the Houston Travel Related Activity in Neighborhoods (TRAIN) Study. *Preventive Medicine Reports*. 2018 March; 9(55-61). PMID: 29340271 PMCID: PMC5766755 DOI: doi.org/10.1016/j.pmedr.2017.12.012
- 9) Gabriel KP, Whitaker KM, Duprez D, Sternfeld B, Lewis CE, Sidney S, **Knell G**, Jacobs DR. Clinical importance of non-participation in a maximal graded exercise test. *Preventive*

Medicine. 2017 Nov 2 (17). PMID: 29080827 PMCID: PMC6400469 DOI: [10.1016/j.yjmed.2017.10.025](https://doi.org/10.1016/j.yjmed.2017.10.025)

- 10) **Knell G**, Gabriel KP, Businelle M, Shuval K, Wetter D, Kendzor D. Ecological momentary assessment of physical activity: validation study. *Journal of Medical Internet Research*. 2017 July; 19(7). PMID: 28720556 PMCID: PMC5539388 DOI: [10.2196/jmir.7602](https://doi.org/10.2196/jmir.7602)
- 11) Durand CP, Oluyomi AO, Gabriel KP, Salvo D, Sener IN, Hoelscher DM, **Knell G**, Tang X, Porter A, Robertson MC, Kohl III HW. The effect of light rail transit on physical activity: design and methods of the Travel-Related Activity in Neighborhoods Study. *Frontiers in Public Health*. 2016 June; 4(103). PMID: 27376051 PMCID: PMC4899453 DOI: [10.3389/fpubh.2016.00103](https://doi.org/10.3389/fpubh.2016.00103)
- 12) Durand CP, Tang X, Pettee Gabriel K, Sener IN, Oluyomi AO, **Knell G**, Porter A, Hoelscher DM, Kohl III HW. The association of trip distance with walking to reach public transit: data from the California Household Travel Survey. *Journal of Transport & Health*. 2016 June; 3(2) 154-160. PMID: 27429905 PMCID: PMC4941821 DOI: [10.1016/j.jth.2015.08.007](https://doi.org/10.1016/j.jth.2015.08.007)
- 13) Durand CP, Oluyomi A, Sener IN, **Knell G**, Pettee-Gabriel K, Kohl III, HW. Transport-related physical activity: definitions, status and research directions. *Russian Journal of Preventive Medicine*. 2014 February; 17(n1):55-60. PMCID: [Not available - published in Cyrillic characters](#).

Under review

Knell G, Burkhardt SO, Caze TJ, Polousky JD, Kohl HW III, Messiah SE. Association between concussion history and cognitive, behavioral, and emotional risk factors among American high school athletes: a cross-sectional analysis. (Under review: *Am J Sports Med*).

†Berninger N, †**Knell G**, Gabriel KP, Plasqui G, Crutzen R, ten Hoor G. Day-to-day associations of reported sleep duration with accelerometer measured physical activity and sedentary time among Dutch adolescents: an observational study. (Under review: *Sleep Health*).

Burkhardt SO, **Knell G**, Polousky JD. Predicting sports related concussion recovery time based on pre-injury risk factors and post-concussion symptoms. (Under review: *Clin J Sport Med*).

Shuval K, Sahar L, Gabriel KP, **Knell G**, Wenstein G, Gal TG, Lobelo F, DiPietro L. Sedentary behavior, physical inactivity, and metabolic syndrome: Pilot findings from the Rapid Assessment Disuse Index (RADI) Study. (Under review: *J Phys Act Health*).

Morales-Marroquin E, Kohl III HW, **Knell G**, de la Cruz-Munoz N, Messiah SE. Resistance training in post-metabolic and bariatric surgery patients: a systematic review. (Under review: *British Journal of Sports Medicine*).

Lanza K, Oluyomi A, Durand CP, Gabriel KP, **Knell G**, Hoelscher DM, Ranjit N, Salvo D, Walker TJ, Kohl III HW. Transit environments for physical activity: The relationship between micro-scale built environment features surrounding light rail transit stations and ridership in Houston, Texas. (Target: *Journal of Transport & Health*).

In preparation

Knell G, Qing L, Messiah SE, Gabriel KP, Drope J, Shuval K. Associations between 24-hour activity cycle behavioral phenotypes and long-term weight loss success. (Target: *Annals of Behavioral Medicine*).

Knell G, Durand CP, Kohl III HW, Ranjit N, Saxton D, Hoelscher D. Independent and joint associations of sleep and physical activity with obesity among Texas children. (Target: *Journal of School Health*).

Kreis S, **Knell G**, Gabriel KP, Durand CP, Oluyomi AO, Kohl III HW. Examining the role of neighborhood self-selection on relocation and its effects on physical activity: A prospective analysis of the TRAIN Study cohort. (Target: *American Journal of Preventive Medicine*).

Knell G, Song JJ, Durand CP, Cheung J, Gabriel KP. The interaction effect of sleep and physical activity on energy expenditure. (Target: *Journal of Sport Sciences*).

Reports/white papers

Nehme E, Byars A, **Knell G**, Oluyomi A. The South Lamar corridor study health impact assessment. Prepared by Hexagon Consulting Services. Prepared for HDR Engineering and Department of Transportation, City of Austin, Austin, Texas. URL: http://www.moveaustinforward.com/wp-content/uploads/2016/08/AppendixE_HIA.pdf. [[Archived by WebCite® at http://www.webcitation.org/6qaIgWP9c](http://www.webcitation.org/6qaIgWP9c)]. July 2015. Accessed 19 May 2017.

PROFESSIONAL PRESENTATIONS

Oral presentations

Knell G, Durand CP, Shuval S, Kohl HW, Sener IN, Gabriel KP. Transit use and physical activity: Findings from the Houston Travel-Related Activity in Neighborhoods (TRAIN) Study. Oral presentation. *Active Living Research Conference 2018*. Banff, Alberta, Canada. February, 2018.

Knell G, Gabriel KP, Durand CP, Salvo D, Kohl HW. Relationship between physical activity and public transit use. Oral thematic poster presentation. *International Society for Physical Activity and Health 6th Annual Congress*. Bangkok, Thailand. November, 2016.

Knell G, Salvo D, Gabriel KP, Durand CP, Oluyomi A, Robertson M, Hoelscher DM, Kohl HW III. Describing the methodology to estimate accelerometer return percentage from a study utilizing mail-based data collection. Oral thematic poster presentation. *American College of Sports Medicine 63rd Annual Meeting*. Boston, MA, USA. June, 2016.

Knell G, Gabriel KP, Businelle M, Shuval K, Kendzor D. Convergent Validity of Ecological Momentary Assessment to Assess Free-Living Sedentary Behavior and Physical Activity. Oral thematic poster presentation. *American College of Sports Medicine 63rd Annual Meeting*. Boston, MA, USA. June, 2016.

Kohl HW, Durand CP, Gabriel KP, **Knell G**, Sener IN, Tang X, Hoelscher DM. Health in All Policies: Multi-sectoral policy approaches for encouraging physical activity session. Natural Experiments and Physical Activity at the Local Level: Houston TRAIN study. Round-table presentation. *American Public Health Association Annual Meeting Physical Activity Section*. Chicago, IL, USA. November, 2015.

Knell G, Morrow JR, Vingren J, Jackson AW. Reliability of an online system to assess muscle-strengthening activities in kinesiology students. Oral presentation. *American College of Sports Medicine 61st Annual Meeting*. Orlando, FL, USA. May, 2014.

Poster presentations

Lanza K, Oluoyomi A, Durand C, Ranjit N, **Knell G**, Walker TJ., Hoelscher DM, Kohl III HW. Micro-scale transit environments for physical activity: The relationship between different domains of built environment features surrounding light rail train stations and ridership, the Houston TRAIN Study. *Active Living Research Conference 2020*. Orlando, FL, USA. February 2-5, 2020.

Walker TJ, Craig DW, **Knell G**, Pavlovic A, Thiele S, Kohl HW III. Gender differences across health-related fitness measure among elementary-aged children: a cross sectional study. *Building Interdisciplinary Research Careers in Women's Health (BIRCWH) Annual Meeting*. Bethesda, MD, USA. December 11, 2019.

Shuval K, Li Q, Yaroch A, **Knell G**, Gabriel KP, Drope J. Long Term Weight Loss Success and Health Behaviors among Adults in the United States. *International Society of Behavioral Nutrition and Physical Activity (ISBNA) Annual Conference*. Prague, Czech Republic. June 4-7, 2019.

†Gabriel KP, †Durand CP, **Knell G**, Salvo D, Dooley E, Johnson A, Kohl HW III. Physical activity and sedentary behavior phenotypes in a majority-minority community-based sample: Houston TRAIN Study. *American Heart Association Epidemiology, Prevention, Lifestyle & Cardiometabolic Health*. Houston, TX. March 5-8, 2019.

Dooley EE, Salvo D, Gabriel KP, Johnson AM, Durand CP, **Knell G**, Kreis SJ, Sener IN, Kohl III HW. Factors related to accelerometer-determined patterns of physical activity in adults within The Houston TRAIN Study: The Houston TRAIN Study. Presented at the *American College of Sports Medicine 64th Annual Meeting*. Minneapolis, MN, USA. May, 2018.

Johnson AM, Dooley EE, Salvo D, Kohl III HW, Durand CP, **Knell G**, Kreis SJ, Gabriel KP. Accelerometer-Determined Physical Activity and Sedentary Behavior among Majority-Minority Sample of Adults: The Houston TRAIN Study. Presented at the *American College of Sports Medicine 64th Annual Meeting*. Minneapolis, MN, USA. May, 2018.

Shuval K, **Knell G**, Li Qing, Gabriel KP. Long-term weight loss and metabolic syndrome in U.S. adults. Presented at the *Society for Behavioral Medicine 39th Annual Meeting & Scientific Sessions*. New Orleans, LA, USA. April, 2018.

Johnson AM, Dooley EE, Salvo D, Kohl III HW, Durand CP, **Knell G**, Kreis SJ, Gabriel KP. Accelerometer-Determined Physical Activity and Sedentary Behavior among Majority-Minority Sample of Adults: The Houston TRAIN Study. Presented at the *Texas Chapter of the American College of Sports Medicine 2018 Annual Meeting*. Austin, TX, USA. March, 2018.

Johnson AM, Dooley EE, Salvo D, Kohl III HW, Durand CP, **Knell G**, Kreis SJ, Gabriel KP. Accelerometer-Determined Physical Activity and Sedentary Behavior among Majority-Minority Sample of Adults: The Houston TRAIN Study. Presented at the *St. David's Center for Health Promotion & Disease Prevention Annual Conference: "Health Disparities in the Precision Health Era."* Austin, TX, USA. February, 2018.

Knell G, Durand CP, Shuval K, Kohl HW, Salvo D, Olyuomi A, Gabriel KP. If you build it, will they come? A natural experiment of sidewalk improvements and physical activity. Accepted for presentation at the Pathways 2 Prevention Workshop, Methods of Evaluating Natural Experiments in Obesity. *National Institutes of Health*. Bethesda, MD, USA. December, 2017.

Fresquez J, **Knell G**, Durand CP. A randomized controlled trial using Amazon Mechanical Turk to determine the effect of questionnaire wording on response patterns. Accepted for presentation at the Summer Undergraduate Innovation in Cancer Prevention Research Seminar. *Cancer Prevention Research Institute of Texas (CPRIT)*. Houston, TX, USA. July, 2017.

Xiaohui T, Durand CP, Salvo D, Gabriel KP, **Knell G**, Porter A, Sener IN, Hoelscher DM, Robertson M, Kohl HW. Application of theory of planned behavior to transit use: The Houston TRAIN Study. Accepted for presentation at the *American College of Sports Medicine 63rd Annual Meeting*. Boston, MA, USA. May, 2016.

Knell G, Gabriel KP, Durand CP, Oluyomi A, Armstrong M, Kohl HW. Obtaining accelerometer data through mail administration: The Houston Transport Related Activity in Neighborhoods (TRAIN) Study. Accepted for presentation at the *American College of Sports Medicine 62nd Annual Meeting*. San Diego, CA, USA. May, 2015.

Xiaohua T, Oluyomi A, Durand CP, **Knell G**, Gabriel KP, Sener IN, Hoelscher D, Kohl HW. Land use walkability around a newly built light rail transit line: The Houston TRAIN Study. Accepted for presentation at the *American College of Sports Medicine 62nd Annual Meeting*. San Diego, CA, USA. May, 2015.

Gabriel KP, **Knell G**, Durand CP, Oluyomi A, Kohl HW. Differences in accelerometer-determined sedentary time and physical activity by transportation-related characteristics. Accepted for presentation at the *American College of Sports Medicine 62nd Annual Meeting*. San Diego, CA, USA. May, 2015.

Durand CP, Oluyomi A, Gabriel KP, Sener IN, Hoelscher DM, **Knell G**, Xiaohui T, Kohl HW. The Effect of Light Rail Transit on Physical Activity: Design and Methods of the Travel Related Activity in Neighborhoods (TRAIN) Study. Accepted for presentation at the *American College of Sports Medicine Conference “Moving Active Transportation to Higher Ground: Opportunities for Accelerating the Assessment of Health Impacts”* cosponsored by the *Transportation Research Board of the National Academies of Science*. Washington, D.C., USA. April, 2015.

Knell G, Jackson AW, Morrow JR. Health-related fitness in Texas children: 2010-2011 and 2011-2012 FITNESSGRAM® results. Presented at the *Texas Association for Health, Physical Education, Recreation and Dance Annual Convention*. Dallas, TX, USA. December, 2013.

Knell G, Morrow JR, Martin SB, Jackson AW. Health-related fitness in Texas children: 2011-2012 FITNESSGRAM® results. Presented *American College of Sports Medicine 60th Annual Meeting*. Indianapolis, IN, USA. May, 2013.

Taylor VK, Faulkner J, **Knell G**, Greenleaf C. Gender differences in body-related psychological constructs. Presented *Texas Association for Health, Physical Education, Recreation & Dance Annual Convention*. Dallas, TX, USA. December, 2011.

TEACHING EXPERIENCE

A. Courses

YEAR	COURSE NAME	ROLE	MODE	LEVEL	# OF STUDENTS	# of SECTIONS
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<i>University of North Texas</i>						
2019	Epidemiology	Instructor of record	In-person	Undergraduate	65	1
2019	Introduction to Public Health	Instructor of record	In-person	Undergraduate	27	1
2018	Introduction to Public Health	Instructor of record	In-person	Undergraduate	35	1
2013	Scientific principles and practices of health-related fitness	Teaching fellow	In-person	Undergraduate	40	2
2011-2013	Various physical activity courses	Teaching fellow	In-person	Undergraduate	>100	6
<i>University of Texas School of Public Health</i>						
2019	HPBS Research Seminar	Co-Instructor	In-person	Doctoral and masters	21	1
2018	HPBS Research Seminar	Co-Instructor	In-person	Doctoral and masters	24	1
2017	Advanced methods in epidemiology (Epi III)	Lead TA	ITV	Doctoral and masters	60	1
2016	Physical activity assessment and surveillance	TA	ITV	Doctoral and masters	6*	1
2015	Fundamentals of epidemiology (Epi I)	co-TA	Online	Doctoral and masters	60	1
	Physical activity and health: epidemiology and mechanisms	TA	ITV	Doctoral and masters	10*	1
2014	Field research methods in epidemiology (Epi II)	co-TA	ITV	Doctoral and masters	34	1
	Physical activity and public health practice	TA	ITV	Doctoral and masters	9*	1
<i>University of Texas at Austin</i>						
2016	Epidemiology	Specialist	In-person	Undergraduate	60	2
	Social and environmental contexts of health	Specialist	In-person	Undergraduate	48	2
2015	Epidemiology	Specialist	In-person	Undergraduate	60	2

*Course also included students from the University of Texas at Austin; number not reflected here.

B. Guest lectures

YEAR	LECTURE	INSTITUTION	INSTRUCTOR
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2018	“Transit use and physical activity: Findings from the Houston Travel-Related Activity in Neighborhoods (TRAIN) Study”	UTSPH-Houston	Sally Vernon, PhD
2018	“Youth Behavior Risk Surveillance System”	UNT	Lee Ancona, PhD
2018	“Surprising scale of health benefits for biggest losers”	UTSPH-Houston	Anna Wilkinson, PhD
2018	“Ecological momentary assessment of physical activity”	UTSPH-Houston	Kelley Pettee Gabriel, PhD
2018	“Transit use and physical activity: Findings from the Houston Travel-Related Activity in Neighborhoods (TRAIN) Study”	UTSPH-Dallas	Wendell Taylor, PhD
2018	“Transit use and physical activity: Findings from the Houston Travel-Related Activity in Neighborhoods (TRAIN) Study”	UTSPH-Houston	Sally Vernon, PhD
2018	“Transit use and physical activity: Findings from the Houston Travel-Related Activity in Neighborhoods (TRAIN) Study”	Texas A&M University	Heather Clark, PhD
2017	“Convergent validity of ecological momentary assessment of physical activity: Data from the PATHS Study”	UTSPH/UT Austin	Kelley Pettee Gabriel, PhD
2016	“Measuring physical activity: pitfalls and advances in technology”	UTSPH/UT Austin	Harold W. Kohl, III, PhD
2015	“Ecological momentary assessment of physical activity”	UTSPH/UT Austin	Kelley Pettee Gabriel, PhD

C. Mentorship

YEAR	STUDENT NAME	LEVEL	PROJECT NAME	ROLE
2019	Sitara Weerakoon	Doctoral	Behavioral factors affecting sport-related concussion recovery time for adolescents (PI: Knell, G)	Mentored development of online based data collection tool
2017	Samantha Kreis	Masters	Examining the role of neighborhood self-selection on relocation and its effects on physical activity: A prospective	Mentored on manuscript preparation and statistical analysis

			analysis of the TRAIN Study cohort.	
2017	Joseph Fresquez	Undergraduate	A randomized controlled trial using Amazon Mechanical Turk to determine the effect of questionnaire wording on response patterns.	Co-mentored CPRIT summer fellowship trainee on design, implementation, and dissemination of a cancer prevention research project.

MEDIA COVERAGE OF RESEARCH

US News & World Report, “Only 5 Percent of Adolescents Meet Sleep, Exercise, Screen Time Guidelines.” By Alexa Lardieri, February 4, 2019. Focuses on findings from **Knell et al. 2019**, “Prevalence and Likelihood of Meeting Sleep, Physical Activity, and Screen-Time Guidelines Among US Youth.” *Journal of the American Medical Association (JAMA) Pediatrics*. Available at <https://www.usnews.com/news/health-news/articles/2019-02-04/study-only-5-percent-of-adolescents-meet-sleep-exercise-screen-time-guidelines> Accessed: 2019-02-04. (Archived by WebCite® at <http://www.webcitation.org/75wv1HTL6>).

CNN, “Your teen probably isn't sleeping or exercising enough; here's what you can do to help.” By Dr. Edith Bracho-Sanchez, February 4, 2019. Focuses on findings from **Knell et al. 2019**, “Prevalence and Likelihood of Meeting Sleep, Physical Activity, and Screen-Time Guidelines Among US Youth.” *Journal of the American Medical Association (JAMA) Pediatrics*. Available at <https://www.cnn.com/2019/02/04/health/teen-sleep-exercise-screen-time-study/index.html> Accessed: 2019-02-04. (Archived by WebCite® at <http://www.webcitation.org/75wq3ogZS>).

Reuters, “Most U.S. kids not meeting sleep, exercise and screen time targets.” By Lisa Rapaport, February 4, 2019. Focuses on findings from **Knell et al. 2019**, “Prevalence and Likelihood of Meeting Sleep, Physical Activity, and Screen-Time Guidelines Among US Youth.” *Journal of the American Medical Association (JAMA) Pediatrics*. Available at <https://www.reuters.com/article/us-health-youth-life-idUSKCN1PT20S> Accessed: 2019-02-14. (Archived by WebCite® at <http://www.webcitation.org/75wqP2vC5>)

TRT World, “Quarter of world’s adults don’t get enough exercise.” Offered commentary on WHO report on worldwide prevalence of physical inactivity. Available at <https://www.drgregoryknell.me/news/>. Accessed 2018-09-20.

CNN, “'Pandemic' of inactivity increases disease risk worldwide, WHO study says.” By Susan Scutti, September 4, 2018. Highlights findings from **Knell et al. 2018**, “If you build it, will they come? A quasi-experimental evaluation of sidewalk improvements and changes in physical activity.” *Translational Journal of the American College of Sports Medicine*. Available at <https://www.cnn.com/2018/09/04/health/exercise-physical-activity-who-study/>. Accessed: 2018-09-05. (Archived by WebCite® at <http://www.webcitation.org/72CiJeQKN>).

New York Times, “Any Weight Loss Can Be Healthful, but More Can Be Much Better.” By Nicholas Bakalar, August 15, 2018. Focuses on findings from **Knell et al. 2018**, “Long term weight loss and metabolic health in adults concerned with maintaining or losing weight: findings from NHANES.” *Mayo Clinic Proceedings*. Available at <https://www.nytimes.com/2018/08/15/well/eat/any-weight-loss-can-be-healthful-but-more-can-be-much-better.html>. Accessed: 2018-08-16. (Archived by WebCite® at <http://www.webcitation.org/71liff6xis>).

PROFESSIONAL SERVICE

External service

- 2020 Ad-Hoc reviewer, Pediatrics
- 2019 Ad-Hoc reviewer, Journal of Medical Internet Research
- 2019 Ad-Hoc reviewer, Journal of American Medical Association - Pediatrics
- 2018 Ad-Hoc reviewer, Journal of Public Health
- 2018 Ad-Hoc reviewer, Journal of Sport and Health Science
- 2018 Ad-Hoc reviewer, Journal of Clinical Medicine
- 2018, 2018 Ad-Hoc reviewer, International Journal of Environmental Research and Public Health
- 2018, 2019 Ad-Hoc reviewer, BMC Public Health
- 2017 Ad-Hoc reviewer, CA: A Cancer Journal for Clinicians
- 2017 Consultant, Nutrition Policy Institute, California Health and Nutrition Goals Examination Survey, physical activity survey questionnaire review.

Internal service and committees

- 2020 Faculty Search Committee, Center for Pediatric Population Health, University of Texas Health Science Center (UTHealth) School of Public Health in Dallas
- 2020 Faculty Search Committee, Michael & Susan Dell Center for Healthy Living, University of Texas Health Science Center (UTHealth) School of Public Health in Austin
- 2019- Parental Leave Policy Faculty Advisory Committee, University of Texas Health Science Center (UTHealth) at Houston, Houston, Texas
- 2017 Abstract Reviewer, PDA Travel Award, Postdoctoral Association, University of Texas Health Science Center (UTHealth) at Houston, Houston, Texas
- 2016-2017 Committee Member, Special Advisory Committee on Graduate Student Caregivers' Needs, The Graduate School, The University of Texas at Austin, Austin, Texas
- 2016-2017 Doctoral Student Representative, UTHealth School of Public Health in Austin Student Association

Other service activities

- 2016 Academic Tutor, Breakthrough Austin, Austin, Texas
- 2016 Meal Provider Team Leader, Friends of the House Charities – Ronald McDonald House Charities, Austin, Texas
- 2007-2012 Tournament Director, Team Viva Lacrosse Club, Dallas, Texas
- 2008-2010 Young Professional Advisory Committee, BRIDGE Lacrosse, Dallas, Texas
- 2008-2010 President, Dallas Lacrosse Club, Dallas, Texas

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- 2019- Pediatric Research in Sports Medicine Society (PRiSM)
- 2019- Society for Epidemiologic Research (SER)
- 2011- American Public Health Association (APHA)

2011- American College of Sports Medicine (ACSM)