

CURRICULUM VITAE
John McGready, PhD

PERSONAL DATA

Department of Biostatistics
The Johns Hopkins University Bloomberg School of Public Health
615 N. Wolfe Street, RM E3543
Baltimore, MD 21205-2179
410-614-9405 / Fax 410-955-0958
e-mail: jmcgreal@jhu.edu

EDUCATION AND TRAINING

2007	PhD, Biostatistics Johns Hopkins University Bloomberg School of Public Health (JHSPH) Baltimore, MD
1996	M.S., Biostatistics Harvard University School of Public Health Boston, MA
1991	B.A., Mathematical Sciences The Johns Hopkins University Baltimore, MD

PROFESSIONAL EXPERIENCE

John Hopkins University

Senior Scientist, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, March 2019- Present

Associate Scientist, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, December 2012 - February 2010

Assistant Scientist, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, March 2008 - November 2012

Instructor, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, November 2002 – February 2008.

Research Associate, Department of Biostatistics, Johns Hopkins Bloomberg School of Public Health, August 1991 – October 2002.

- Faculty Teaching Mentor, Department of Biostatistics (2020-21)
- Producer of several video series for Bloomberg faculty, staff, and students related to education: Zoom Series, Courseplus Series, and “Virtual Teaching Tips and Tricks Videos” series
- Developer and instructor for “Public Health Statistics “, two course sequences debuting in AY 2016-17 as part of the Bloomberg School’s Online Programs in Applied Learning (OPAL)
- Developer and instructor (since AY 2000-01) of the online version of Statistical Reasoning in Public Health I and II”
- Instructor for the on-campus version of “Statistical Reasoning” Public Health 1 and 2
- Instructor and co-developer of “Data Analysis Workshops I and II” offered in the Summer Institute for Epidemiology and Biostatistics, and the Winter Institute at JHSPH.
- Co-instructor of Statistical Methods for Public Health 3 (2012-2017)
- Offer versions of both Statistical Reasoning 1 Statistical Reasoning 2 via Coursera. Cumulative combined enrollments have exceeded 95,000 with over 3,800 course completions.
- Present at invited and submitted sessions at national and international conferences, and other universities.
- Co-developer of a three-day workshop, “Genomics and Statistics”, offered in 2011, 2012 and 2013
- Member of 37 student preliminary and final thesis exam committees.
- Served as academic advisor for 24 MPH program students, and 5 ScM students in Biostatistics.
- Master of Public Health (MPH) MPH capstone advisor for 14 students
- Member, MPH Executive Board (since May 2012)
- Member, R³ISE Advisory Board (September 2019 – present)
- Member, Online Programs for Applied Learning (OPAL) Advisory Board (June 2016 – June 2018, September 2019 - present)
- Member, Master of Public Health (MPH) Executive Board (June 2012 – present)
- Member, Master of Public Health (MPH) Admissions Committee (2011 -present)
- Member, Advisory Board, Center for Teaching and Learning Technology (CTLT), Johns Hopkins Bloomberg School
- Serve/served as co-investigator on grant (NIH, CDC, NIDA, National Eye Institute), foundation (Greenberg Center for Skeletal Dysplasias), and other supported projects with multiple Johns Hopkins’ and other faculty
- Author/co-author on 53 peer reviewed publications

Other Non-JHU Professional Experience

Mathematics Teacher, Techworld Public Charter School, Washington, DC, August 1998– July 1999.

Research Associate, The Urban Institute, Washington, DC, 1996 – 1998.

Research Assistant, Center for Risk Analysis, Harvard School of Public Health, Boston, MA, 1995 - 1996.

Research Assistant, Woman-Infant Transmission Study (WITS), Brigham and Women's Hospital, Boston, MA. 1995 – 1996.

Teaching Assistant, Harvard School of Public Health, Boston, MA, 1995 – 1996

Healthcare Data Analyst, HCIA Inc, Baltimore, MD, 1991 – 1994.

Mathematics Instructor, Center for Talented Youth (CTY), Baltimore, MD. Summers, 1991, 1993

PROFESSIONAL ACTIVITIES

Member Institutional Programs, Practices, and Policies. Working Group. Association of Schools and Programs of Public Health (ASPPPH)	2018- present
Member: Scientific Advisory Board, Stata Conference, Baltimore MD	2017
Member, American Statistical Association	1999 - present

EDITORIAL AND OTHER PEER REVIEW ACTIVITIES

Serve/have served as reviewer for:

The American Statistician,
Biostatistics,
Fertility and Sterility
BMC Medical Education
The Stata Journal
Public Health Reports

HONORS AND AWARDS

2020, “Golden Apple” Award for Excellence in Teaching, Johns Hopkins University
2016, Bloomberg School of Public Health
2012, - this award is only given to up to four faculty each year based on class size categories
2008, - faculty are only eligible to win every four years, and *I have won this every year*
2004, *I have been eligible.*
2001

- 2018 Advising, Mentoring, and Teaching Recognition Award (AMTRA) , Johns Hopkins University Bloomberg School of Public Health
- 2010 Association of Schools of Public Health (ASPH)/Pfizer Early Career in Public Health Teaching Award
- 2010 Outstanding Teaching Award: given by the American Statistical Association's Section on Teaching Statistics in the Health Sciences
- 2008- Cited for outstanding course evaluations for both the on campus and online
2020 sections of Statistical Reasoning in Public Health 1
- 2008- Cited for outstanding course evaluations for both the on campus and online
2020 sections of Statistical Reasoning in Public Health 2
- 2020 Cited for outstanding course evaluations for Statistical Concepts in Public Health 1 and 2
- 2020 Cited for outstanding course evaluations for Public Health Statistics 1 and 2
- 2017 Cited for outstanding course evaluations, Statistical Methods for Public Health 3
- 2006 Best Contributed Paper, Joint Statistical Meetings 2006, Section on Teaching Statistics in the Health Sciences
- 2005, Excellence in Online Education Award, Johns Hopkins University
2001 Bloomberg School of Public Health
- 2000 Teaching Assistant Recognition Award, Johns Hopkins University Bloomberg School of Hygiene and Public Health
- 1996 Teaching Assistant of the Year, Harvard School of Public Health
- 1995 Teaching Fellow, Harvard School of Public Health
- 1994 Graduate Fellowship, National Institute of Allergies and Infectious Disease

ACADEMIC SERVICE (at Johns Hopkins Bloomberg School of Public Health)

R³ISE Advisory Board (September 2019 – present)

Member, Online Programs for Applied Learning (OPAL) Advisory Board (June 2016 – June 2018, September 2019 - present)

Member, Master of Public Health (MPH) Executive Board (June 2012 – present)

Member, Master of Public Health (MPH) Admissions Committee (2011 -present)

Member, Advisory Board, Center for Teaching and Learning Technology (CTLT), Johns Hopkins Bloomberg School. (2006- present)

Member and School of Public Health Representative , MEHP Curriculum Oversight Committee (MEHP is a University wide professional degree “Master Education for Health Professionals”) (2011 –2013)

Member, Student Conduct Board (2010)

Member, Excellence in Teaching Task Force, Johns Hopkins Bloomberg School (2009-10)

Member, Council on Education for Public Health (CEPH) Self-Study Steering Committee, Johns Hopkins Bloomberg School (2004-06)

Member, Search Committee for Director of Medical Education. Johns Hopkins University School of Medicine. (2005).

PUBLICATIONS

** indicates a mentored student*

Sadhna V, Zegar J, Hoge C, **McGready J**, and Sidana A*. Multiparametric MRI-ultrasound fusion prostate biopsy in patients without prior diagnosis of Prostate Cancer: Beyond Centers of Excellence. To appear in *The Aging Male*. 2021.

Mustafa Ali MK*, Sabha MM., MD, Mustafa, SK, Banifadel M, Ghazaleh S, Aburayyan, KM, Ghanim MT³; Awad MT, Gekonde, DN, Amala A, Ramahi A, Elzanaty, AM, Nesheiwat, Z, Shastri PM, Al-Sarie M, **McGready J**. Hospitalization and Post-hospitalization Outcomes among Teaching Internal Medicine, Employed Hospitalist and Locum Tenens Hospitalist Services in a Tertiary Center: A Prospective Cohort Study. To appear in *Journal of General Internal Medicine*. 2021.

Hoover-Fong JE, Alade AY, Bober MB, Hashmi S, Hecht J, Legare J, Little M, Liu K, **McGready J**, Modaff P, Pauli RM, Rodriguez-Buritica D, Schulze K, Serna E, Smid C. Achondroplasia Natural History — a multi-center retrospective study in the US. To appear in *Genetics in Medicine*. 2021.

Beres L*, Schwartz S, Simbeza S, **McGready J**, Eshun-Wilson I, Mwamba C, Sikombe K, Topp S, Somwe P, Mody A, Mukamba, Ehrenkranz P, Padian N, Pry J, Moore CB, Holmes C, Sikazwe I, Denison J, and Geng E. Patterns and Predictors of Incident Return to HIV Care Among Traced, Disengaged Patients in Zambia: Analysis of a prospective cohort. To appear in *Journal of Acquired Immune Deficiency Syndromes (JAIDS)*. 2021.

Abbey EJ, **McGready J**, Ferrucci, L, Simonsick E, Mammen JR. Thyroid Hormone Supplementation and All-Cause Mortality in Community-Dwelling Older Adults: Results from the Baltimore Longitudinal Study of Aging. *Journal of the American Geriatrics Society*. 2021.

Mathioudakis NN, Abusamaan MS, Shakarchi AF, Sokolinsky S, Fayzullin S, **McGready J**, Zilbermint, M, Saria,S, Golden, SH. Development and Validation of a Machine Learning Model to Predict Near-Term Risk of Iatrogenic Hypoglycemia in Hospitalized Patients. *JAMA Network Open*. 2021;4(1):e2030913. doi:10.1001/jamanetworkopen.2020.30913

Wood SN*, Kennedy SR, I Akumue I , Tallam, C, Asira B, Hameeduddin Z, **McGready J**, Zimmerman L, Kennedy C, Glass N, and Decker M. Reproductive coercion among intimate partner violence survivors in Nairobi. *Studies in Family Planning*.2020. 51(4)

Pasqualino M*, Saijuddin S , Islam T, ParvinS , Ali H, , **McGready J**, HossainI, and Palmer. Household Livestock and Fishpond Ownership Are Associated with Consumption of Eggs, Milk, and Fish, but Not Meat, Among Infants 6–12 Months of Age in Rural Bangladesh. *Current Developments in Nutrition*. 2020 Jun; 4(Suppl 2): 884.

Merrill, K.G*, Campbell, J.C., Decker, M.R. **McGready J**, Burke VM, Mwansa JK, Miti S, Frimpong C, Kennedy CE, and Denison JA. Past-Year Violence Victimization is Associated with Viral Load Failure Among HIV-Positive Adolescents and Young Adults. *AIDS Behav*. 2020. <https://doi.org/10.1007/s10461-020-02958-3>

Merrill KG*, Campbell JC, Decker M, **McGready J**, Burke VM, Mwansa JK, Miti S, Frimpong C, Kennedy CE, and Denison JA. Prevalence of physical and sexual violence and psychological abuse among adolescents and young adults living with HIV in Zambia. *PLoS One*. 2020. Jun 25.

Hoover-Fong J, Alade AY, Ain M, Berkowitz I, Bober M, Carter E, Hecht J, Hoerschemeyer D, Krakow D, MacCarrick G, Mackenzie WG, Mendoza R, Okenfuss E, Popplewell D, Raggio C, Schulze K, **McGready J**. Blood Pressure in Adults With Short Stature Skeletal Dysplasias. *American Journal Medical Genetics Part A*. 2020 Jan;182(1):150-161.

Beres L*, Merrill K*, **McGready J**, Denison J, Schwartz S, Sikazwe I, and Decker M. Intimate partner violence polyvictimisation and HIV among coupled women in Zambia: Analysis of a population-based survey. *Global Health*. 2020 Apr;15(4):558-570.

Collaco JM, Appel L, **McGready J**, and Cutting G. The Relationship of Lung Function with Ambient Temperature. *PLoS One*. 2018 Jan 18;13(1)

Mammen J, **McGready J**, Ladenson P and Simonsick E. Unstable thyroid function in older adults is caused by alterations in both thyroid and pituitary physiology and associated with increased mortality. *Thyroid*. 2017 Nov;27(11)

Pauls L, Johnson-Paben, **McGready J**, Murphy J, Pronovost P and Wu C. The Weekend Effect in Hospitalized Patients: A Meta-analysis. *Journal of Hospital Medicine*. 2017. Sep;12(9):760-766.

Hoover-Fong J, **McGready J**, Schultze K, and Alade A. A Height-for-Age Growth Reference for Children with Achondroplasia: Expanded Applications and Comparison with Original Reference Data. *American Journal of Medical Genetics, Part A*. 2017. May;173(5)

Kansal K, Mareddy M, Sloane KL, Minc, AA, Rabins PV, **McGready J**, and Onyike C. A systematic analysis of survival in frontotemporal dementia. *Dementia and Geriatric Cognitive Disorders*. 2016. 41(1-2):109-22

Collaco JM, Blackman SM, Raraigh KS, Corvol H, Rommens JM, Pace RG, Boelle PY, **McGready J**, Sosnay PR, Strug LJ, Knowles MR, Cutting GR. Sources of Variation in Sweat Chloride Measurements in Cystic Fibrosis. *American Journal of Respiratory and Critical Care Med*. 2016 Dec 1;194(11):1375-1382.

Gibbs K*, **McGready J**, and Griffin K. Career Development Among American Biomedical Postdocs. *CBE--Life Sciences Education (LSE)*. (2015). 14 (4).

Tversky J, Chelladurai Y, **McGready J**, and Hamilton R. Performance and Pain Tolerability of Current Diagnostic Allergy Skin Prick Test Devices. *Journal of Allergy and Clinical Immunology: In Practice*. (2015) 3(6) 888–893.

Mammen J, **McGready J**, Oxman R, Chia C, Ladenson PW, and Simonsick E. Thyroid hormone therapy and risk of thyrotoxicosis in community-resident older adults: Findings from the Baltimore Longitudinal Study of Aging. *Thyroid*. (2015) Sep: 25(9):979-986.

Zackowski K, Wang J, **McGready J**, Calabresi P, and Newsome S. Quantitative sensory and motor measures detect change over time and correlate with walking speed in individuals with multiple sclerosis. *Multiple Sclerosis and Related Disorders*. (2015) Jan;4 (1):67-74.

Gibbs KD Jr*, **McGready J**, Bennett JC, Griffin K. Biomedical Science Ph.D. Career Interest Patterns by Race/Ethnicity and Gender. *PLoS ONE* (2014). 9(12):e114736. doi: 10.1371/journal.pone.0114736

Alade Y, Schulze K, **McGready J**, Koerner C, Henry B, Dlugash R, and Hoover-Fong J. Cross-sectional Study of Physical Activity in Adults with Achondroplasia. *Advances in Rare Diseases*. (2014). 1 (2) .

Hummers L, Dugowson C, Dechow F, Wise R, Gregory J, Michalek J, Yenokyan G, **McGready J**, and Wigley F. A multi-center, blinded, randomized, placebo-controlled, laboratory-based study of MQX-503, a novel topical gel formulation of nitroglycerin, in patients with Raynaud phenomenon. *Annals of the Rheumatic Diseases*. (2013) 72 (12) 1962-1967

Cutler N, Balicki M, Finkelstein M, Wang J, Gehlbach P, **McGready J**, Iordachita J, Russell Taylor R, Handa J. Auditory force feedback substitution improves surgical precision during simulated ophthalmic surgery. *Investigative Ophthalmology and Visual Science*. (2013). 54(2) 1316-1324.

Alade Y, Tunkel D, Schulze K, **McGready J**, Ain M, Yost T, Hoover-Fong J. Cross-sectional Assessment of Pain and Physical Function in Skeletal Dysplasia Patients. *Clinical Genetics*. (2013).

McGready J, Brookmeyer R. Evaluation of Student Outcomes in Online vs. Campus Biostatistics Education in a Graduate School of Public Health. *Preventive Medicine* (2013) 56 (2): 142-122.

Murphy S, **McGready J**, Griswold, M, and Sylvia, M. A Method for Estimating Cost Savings for Population Health Management Programs. *Health Services Research*. (2012). doi: 10.1111/j.1475-6773.2012.01457.x

Sheehan M, Burke T, Breyse P, Navas-Acien A, **McGready J**, and Fox M. Association Of Blood Mercury and Chronic Viral Hepatitis in US Reproductive Age Women, NHANES 2001-2008. *Environmental Health* (2012) 11 (62): 1-11.

Cope J*, Doocey S, Frattarolli S, and **McGready J**. Household Expenditures as a Measure of Socioeconomic Status among Iraqis Displaced in Jordan and Syria. *World Health and Population*. (2012) 14(1): 19-30

Sammon, M, Doyle D, Hopkins, E, Sol-Church, K, Stabley D, **McGready J**, Schulze K, Alade,Y, Hoover-Fong, J, and Gripp, K. Normative Growth Charts for Individuals with Costello Syndrome. (2012). *American Journal of Medical Genetics: Part A*.

Lee R, **McGready J**, Conley S, Yanjanin N, Nowaczyk M, and Porter F. Growth Charts for Individuals with Smith-Lemli-Opitz Syndrome. *American Journal of Medical Genetics: Part A* (2012).

Ratchford J, Endres C, Hammoud D, Pomper M, Shiee N, **McGready J**, Pham D, Calabresi P. Decreased microglial activation in MS patients treated with glatiramer acetate. *The Journal of Neurology*. (2012). No 259:1199–1205.

Collaco JM*, **McGready J**, Green DM, Naughton KM, Watson CP, Effect of Temperature on Cystic Fibrosis Lung Disease and Infections: A Replicated Cohort Study. *PLoS ONE* (2012). Vol 6: No 11: e27784. doi:10.1371/journal.pone.0027784

Zablotsky Kufel *J, Resnick B, Fox M, **McGready J**, Yager J, Burke T. The Impact of Local Environmental Health Capacity on Foodborne Illness Morbidity in Maryland. *The American Journal of Public Health*. (2011). 101: 1495 – 1500.

Aggarwal R, R Nikhil Gupte N, Kass N, Taylor H, Ali J, Bhan A, Aggarwal A, Sisson S, Kanchanaraksa S, McKenzie-White J, **McGready J**, Miotti P and Bollinger RC. Distance Learning to Build International Health Research Capacity: A Randomized Study of Online versus On-site Training. *BMC Medical Education* (2011). Vol 11: No 37 .

Stonemetz J, Pham JC, Necochea AJ, **McGready J**, Hody RE, Martinez EA. Reduction of regulated medical waste using lean sigma results in financial gains for hospital. *Anesthesiology Clinic*. (2011). Vol. 29, Issue 1, Pages 145-52.

Collaco J,* Blackman S, **McGready J**, Naughton K and Cutting G. Quantification of the relative contribution of environmental and genetic factors to variation in cystic fibrosis lung function. *The Journal of Pediatrics*. (2010). Vol. 157, Issue 5, Pages 802-807.

Cettomai D, Hiremath G, Ratchford J, **McGready J**, Venkatesan A, Greenberg B, Pardo C, Kerr D, Frohman E, Balcer L, McArthur J, and Calabresi P. Associations between retinal nerve fiber layer abnormalities and optic nerve examination. *Neurology*. (2010). Vol. 75, No. 15, Pages 1318-1325.

Rosenberg R, Law J, Yenokyan G, **McGready J**, Kaufmann W, Law P. Characteristics and concordance of autism spectrum disorders among 277 twin pairs. *Archives of Pediatrics and Adolescent Medicine*, (2009) Vol. 63, No. 10, Pages 907 – 914.

Hoover-Fong J, Schulze K , **McGready J**, Barnes H, Scott C. Age-appropriate body mass index (BMI) in children with Achondroplasia: interpretation in relation to indices of height. *The American Journal of Clinical Nutrition*, (2008). Vol. 88, No. 2, Pages 364-371.

Hoover-Fong J, **McGready J**, Schulze K, Scott C. Weight for age charts for Achondroplasia. *American Journal of Medical Genetics: Part A*, (2007), Vol. 143A, Issue 19, Pages: 2227–2235.

Richman J, Liu S, Courpas G, Wong R, Rowlingson A, **McGready J**, Cohen S, Wu C. Does continuous peripheral nerve block provide superior pain control to opioids? A meta-analysis. *Anesthesia & Analgesia*, (2006). No. 102, Pages 248-257.

Scott P, Niebuhr D, **McGready J**, Gaydoes J. Hepatitis B Immunity in United States Military Recruits. *The Journal of Infectious Diseases*, (2005). Vol. 191, Issue 11, Pages 1835–1841.

Slutsman J*, Kass N, **McGready J**, Wynia M. Health information, the health insurance portability and accessibility act (HIPPA), privacy rule, and health care: what do physicians think? *Health Affairs*, (2005), Vol. 24 No. 3, Pages 832-842.

Bini E*, **McGready J**. Prevalence of gallbladder disease among persons with hepatitis c virus infection in the United States. *Hepatology*, (2005). Vol. 41, Issue 5, Pages: 1029–1036

Pidcock F, Fish D, Johnson-Greene D, Borrás I, **McGready J**, Silberstein C. The effect of botulinum toxin injections on hip migration percentage in children with spastic cerebral palsy. *Archives of Physical Medicine and Rehabilitation*, (2005), Vol. 86, Issue 3, Pages 431-435

Yaster M, Rothman SK, Kozlowski L, Kost-Byerly K, **McGready J**, Jackson E, Bitzer S, Kaufmann S, Maxwell L. Effects of a low-dose naloxone infusion on opioid-induced side effects and analgesia in children and adolescents treated with intravenous patient-controlled analgesia: a prospective, randomized, controlled, double-blinded study. *Anesthesia and Analgesia*, (2004), No.100, Pages 953-958.

Schwengel D, **McGready J**, Berenholtz S, Kozlowski L, Nichols G, Yaster M. Peripherally inserted central catheters: a randomized, controlled, prospective trial in pediatric surgical patients, *Anesthesia and Analgesia*, (2004), No. 99, Pages 1038-1043.

McGready J. Book review: A short introduction to Stata for biostatistics. *The Stata Journal*. (2003). Vol. 3, No 1, Pages 100-104.

Cooper J, **McGready J**, Harris Y. Sadness predicts death in older people. *Journal of Aging and Health*, (2002). Vol. 14, No. 4, Pages 509-526.

Schlund M, Pace G, **McGready J**. Relationship between decision making deficits and discriminating contingencies following brain surgery. *Brain Injury*, (2001), Vol. 15, No. 12.

Sabol W, **McGready J**. *Time Served in Prison by Federal Offenders, 1986-1997*. Bureau of Justice Statistics, Washington, DC.

Rossman S, Sridharan S, Buck J, **McGready J**, and Gouvis, C. (1997). The Opportunity to succeed program: baseline analysis. The Urban Institute, Washington, DC.

Sabol W, Adams W, **McGready J**, et. al. (1998). *Compendium of Federal Justice Statistics, 1996*. Bureau of Justice Statistics, Washington, DC.

Sabol W, Adams W, **McGready J**, et. al. (1997). *Compendium of Federal Justice Statistics, 1995*. Bureau of Justice Statistics, Washington, DC.

Roth, J, Koper C with **McGready J**, et. al. (1997). *Impact Evaluation of the Public Safety and Recreational Firearms Use Protection Act of 1994*. The Urban Institute, Washington, DC.

CURRICULUM VITAE

John McGready

PART II

TEACHING

MPH Capstone Advisees (Capstone Title)

Christine Zemsky *Risk Factors for Worsening Dry Eye Symptoms in Patients Undergoing External Levator Advancement Surgery*, 2020

Moaath Mustafa Ali, *Comparison of Hospitalization and Post-hospitalization Outcomes among Family Medicine Hospitalist and Internal Medicine Hospitalist in a Tertiary Center: A Prospective Cohort Study*, 2019

Abhinav Sidana, *Single Institution Outcomes of MpMRI- Ultrasound Fusion Prostate Biopsy*, 2019

Wan-Ju Liao, *Solutions to Emergency Overcrowding in Taiwan Medical Centers--A Feasibility and Outcome Analysis*, 2019

Erin Feddema, *Prevalence of Carcinogenic Tobacco Biomarkers in Current Tobacco Smokers* , 2019

James Wu: *Clinical Trial Endpoint Outcome Effects on Stock Market Returns: A Research Proposal*, 2019

Andrea Martin: *An Analysis of Time to Initiating Rehabilitation Postoperatively from Total Hip and Total Knee Arthroplasty on the Odds of Readmission, Mortality, and Total Charge of Hospital Length of Stay*, 2016

Jiyeong Choe: *Cost-Effectiveness Analysis of Combination of Essential Strategies versus Conventional Strategies in Women With a Higher Risk of Breast Cancer*, 2014

Kenneth Gibbs: *Biomedical Science Ph.D. Career Interest Patterns by Race/Ethnicity and Gender*, 2014

Abbas Kharal: *The Effects of Blood Pressure on Clot Volume Reduction in Patients with Intra-Cranial Catheratization (ICC)* , 2013

Joseph Collaco : *Warmer temperatures are associated with worse lung function in Cystic Fibrosis*, 2011

Patrick Akhiwu: *Wellness in the workforce: Assessment of employees of Botswana ash mine*, 2011

Carrie Miller: *Challenges of using cross sectional programmatic data to identify factors associated with viral suppression in people receiving HIV treatment in Nigeria, Uganda, and Zambia in 2008*, 2010

Scott Penfil: *Nursing hours effect on incident reports in a pediatric intensive care unit.*, 2010

Zachary Stednick: *Genetic associations with post-operative atrial fibrillation in a sample of heart surgery patients*, 2009

Hannah Paxton: *Evaluating the quality of hospital care at the end-of-life: meaningful classification for patients*, 2009

Steven Scott: *Impact of physician incentives on CRC screening rates in the underserved*, 2009

Barbara Ship: *Employment-based wellness programs -Do they really improve the bottom line? A literature review and original analysis* , 2006

Snehal Shah: *Decline in adherence to a 3-dose regimen of sulfadoxine-pyrimethamine plus artesunate for treatment of uncomplicated malaria three years after its introduction in rural Tanzania*, 2006

Jill Nogi: *Baseline analysis of and future recommendations for the safe water systems project of the ministry of public health in the Islamic republic of Afghanistan*, 2006

Abdolreza Haririan: *The role of induction therapy in African-American kidney transplant recipients; a comparison between basiliximab and thymoglobulin.*, 2006

Jacquelyn Quin: *A grant proposal to study hospital readmission rates in postoperative cardiac surgery patients as a clinical quality indicator* , 2005

Edward Bini: *Prevalence of gallbladder disease among persons with Hepatitis C virus infection in the United States. (one of 10 award winning capstone projects selected by M PH program committee)* , 2004

Abraham Thomas: *Risk factors for BK virus nephropathy in renal transplant recipients – the role of urethral trauma*. (one of 10 award winning capstone projects selected by MPH program committee) , 2004

Dhwani Mankad: *A basic study to help prevent the path of HIV Dementia*, 2004

Academic Advisees (* indicates student is currently enrolled)

Jeeyoen Baik*	MPH (part-time)	2021
Pablo Perez*	MPH (part-time)	2020
Tingchang Wang*	ScM Biostatistics	2020
Pamela Taylor *	MPH (part-time)	2020
Gen Ouchi*	MPH (part-time)	2019
Shehab Alansari*	MPH (part-time)	2019
Christine Zemsky*	MPH (part-time)	2018
Aditya Kumar Khetan*	MPH (part-time).	2018
Vaishnavi Sawant	MPH	2018
Olufemi Erinoso	MPH	2019
Naoki Ishii	MPH (part-time)	2017
William Levitt*	MPH (part-time)	2016
Abhinav Sidana	MPH (part-time)	2016
Feiyang Zheng,	ScM Biostatistics	2016
Yu-Han Hsueh	MPH	2016
Jahanzaib Idrees	MPH	2016
Arwa Altaf	MPH	2015
Farjah AlQahtani	MPH	2015
Anthony (Todd) Fojo	MHS Biostatistics	2015
Miren Dudha	MPH	2014
Weixang Fang	ScM Biostatistics	2014
Wan-Ju Mona Liao,	MPH (part-time)	2014
Christine Shirley	MPH (part-time)	2013
Sausan Alfaris,	MPH	2013
Ximin Li	ScM Biostatistics	2012
Abbas Kharal	MPH	2012
Detian Deng	ScM Biostatistics	2011
Xuan Yang	MPH	2010
Jordan Holoachan	MHS Biostatistics	2010
Wei-teng Yang	MPH	2010
Zachary Stednick	MPH	2009
Hannah Paxton	MPH (part-time)	2009
Mandeep Singh	MPH (part-time)	2007
Snehal Shah	MPH	2006
Jacquelyn Quin	MPH (part-time)	2005
Edward Bini	MPH (part-time)	2004

Abraham Thomas	MPH (part-time)	2004
Dhwani Mankad	MPH	2003

Preliminary Oral Exam Participation

Eva Leidman	PhD student, International Health	2002
Shannon Wood	PhD student, Population, Family and Reproductive Health	2019
Farah Yehia	PhD student, Health Policy and Management	2018
Monica Pasqualino	PhD student, International Health	2018
Jennifer Gerber	PhD student, International Health	2018
Magdalena Fandino	PhD student, Environmental Health and Engineering	2018
Kate Merrill	PhD student, International Health	2018
Molly Jung	PhD student, Epidemiology	2018
Laura Beres	PhD student, International Health	2017
Geoffrey Dougherty	PhD student, Epidemiology	2016
Saba Rouhani	PhD student, International Health	2016
Matthew Murrill	PhD student, Epidemiology	2016
Amber Cox	PhD student, International Health	2016
Susan Lynch	DrPh student, Health Policy and Management	2015
Claro Pio Rodo	DrPh student, Health Policy and Management	2014
Amanda Kalamar	PhD Student, Population, Family and Reproductive Health	2014
Jennifer Lam	PhD student, International Health	2014
Fatima Al Dhaheri	DrPh student, Health Policy and Management	2014
Cesar Ugarte Gil	PhD student, Epidemiology	2013
Beth Linas	PhD student, Epidemiology	2012
Chadd Krauss	DrPh student, Health Policy and Management	2012
Aarushi Bhatnagar	PhD student, International Health	2012
Tammy Brady	PhD student, Clinical Investigations	2012
Mollie Marko	PhD student, Biomedical Engineering (Medicine)	2012
Yu-Wen Yang	DrPh student, Health Policy and Management	2011
Mary Sheehan	PhD student, Health Policy and Management	2010
Gowri Jayaram	PhD student, Biomedical Engineering (Medicine)	2010
Melissa Opryszko	PhD student, Environmental Health Sciences	2010
Nrupen Bhavsar	PhD student, Epidemiology	2010
Laura Malone	PhD student, Biomedical Engineering (Medicine)	2009
James Cope	PhD student, Health Policy and Management.	2009
Sheree Schwartz	PhD student, Epidemiology	2009
Lydie Lebrun	PhD student, Health Policy and Management	2008
Sarika Rane	PhD student, Health Policy and Management	2008

Doctoral Thesis Committee

Eva Leidman	PhD student, International Health
Shannon Wood	PhD student, Population, Family and Reproductive

Health

Farah Yehia	PhD, Health Policy and Management
Monica Pasqualino	PhD, International Health
Kate Merrill	PhD t, International Health
Laura Beres	PhD, International Health
Liana Rosenthal	PhD, Clinical Investigation
Fatima Al Dhaeri	DrPH, Health Policy and Management
J. Michael Colacco	PhD, Epidemiology
Susan Lynch	DrPH, Health Policy and Management
Claro Pio Rodo	DrPH, Health Policy and Management
Mary Sheehan	PhD, Health Policy and Management
James Cope	PhD, Health Policy and Management

Final Oral Exam Participation

Leah Horton	PhD, Population, Family and Reproductive Health	2020
Jennifer Gerber	PhD, International Health	2020
Farah Yehia	PhD, Health Policy and Management	2020
Shannon Wood	PhD, Population, Family and Reproductive Health	2020
Laura Beres	PhD, International Health	2019
Liana Rosenthal	PhD, Clinical Investigation	2019
Matthew Murrill	PhD, Epidemiology	2018
Hyo-jeong Kim	DrPH, Health Policy and Management	2017
Chiadi Ndumele	PhD, Epidemiology	2017
Fatima Al Dhaeri	DrPH, Health Policy and Management	2017
J. Michael Colacco	PhD, Epidemiology	2015
Susan Lynch	DrPH, Health Policy and Management	2016
Claro Pio Rodo	DrPH, Health Policy and Management	2015
Amanda Kalamar	PhD , Population,Family, and Reproductive Health	2015
Beth Linas	PhD, Epidemiology	2014
Chadd Krauss	DrPH, Health Policy and Management	2014
Alyson Schuster	PhD , Health Policy and Management	2012
Mary Sheehan	PhD, Health Policy and Management	2011
James Cope	PhD, Health Policy and Management	2011
Alex Ergo	PhD, International Health	2010
Carol Christensen	PhD, Epidemiology	2009
JoAnna Zablotzky	PhD, Health Policy and Management	2009

ScM Thesis Reader

Adam Pittman	ScM Biostatistics	2019
Kareshma Mohanty	Biochemistry and Molecular Biology	2011

Laura Hummers	Clinical Investigation	2010
Vidya Venugopal	Biostatistics	2009

Classroom Instruction

(Course Title, Years Taught, Most recent enrollment)

Statistical Concepts in Public Health 2	2018-20	78 students
Statistical Concepts in Public Health 1.	2018-220	190 students
Public Health Statistics I and II (With R)	2018-20	11 students
Statistical Reasoning in Public Health I and II, Single Online Section (all instruction done online because of Covid-19)	2020-21	375 students
Statistical Reasoning in Public Health I and II (Online)	2000 -19	250 students
Statistical Reasoning in Public Health I and II On -Campus	2002 -19	150 dtudents
Statistical Methods in Public Health III	2012-17	190 students
Statistical Methods IV, Co- Instructor	2000-11	400 students
Data Analysis Workshops I and II (Summer Institute for Biostatistics)	2000-20	50 students
Reading Scientific Literature with An Eye for Biostatistics : Special Studies Weekly Seminar.	2009-11	15 students
Advanced Data Analysis Workshop (Taiwanese DrPH cohort)	2008	35 students
Introduction to Public Health Statistics	2000-03	40 students

Other Instruction

Coursera Concentration: Biostatics in Public Health: A 4 course concentration	2019- present.
Summary Statistics in Public Health	24,000 enrollees since inception

Hypothesis Testing in Public Health	8,200 enrollees since inception
Simple Regression Methods	6,800 enrollees since inception`
Multiple Regression Analysis	8,600 enrollees since inception`

Coursera courses:

Statistical Reasoning for Public Health 1: Estimation, Inference, & Interpretation	2013- 2018
Statistical Reasoning for Public Health 2: Regression Methods	2013- 2018

RESEARCH GRANT PARTICIPATION

Ongoing

P30EY001765 (West) 09/30/19 – 07/31/20
NIH/NEI; Role: Co-Investigator

P30 Wilmer Core Grant for Vision Research

This module is the biostatistical support for the Wilmer Institute's Core Center grant to provide biostatistical services to funded NIH researchers.

5K23DK111986-03 (Mathioudakis) 09/13/16-07/31/20
NIH/NIDDK; Role: Co-Investigator

Implementation and Evaluation of a Real-Time Informatics Alert to Prevent Insulin-Associated Hypoglycemia in the Hospital

The overall goal of this project is to reduce the incidence of insulin-associated hypoglycemia among hospitalized patients through the use of a real-time informatics alert.

1R56AG064256 (Mammen) 09/01/19-08/31/20
NIH/NIA

Mechanisms of Hypothalamic-Pituitary-Thyroid Axis Aging

The goal of this project is to evaluate subclinical hypothyroidism etiologies and physiology in older individuals

Completed

R01AG021092 (Zirkin) 09/15/17 – 12/31/19

NIH/NIA; Role: Co-Investigator

Aging and Leydig Cell Function

The goal of the research is to determine the molecular mechanisms involved in the reductions in testosterone formation that characterize aging Leydig cells, whether and how these reductions might be prevented, and how testosterone might be increased in aging rats without providing testosterone exogenously.

BLACKM16A0 (Blackman)

04/01/16-03/31/19

CFF; Role: Co-Investigator

Genetic Modifiers of Glucose Metabolism in CF

The goal of this pilot study is to quantify what abnormalities of glucose metabolism in CF are affected by CFRD modifier genes.

90074591 Contract (Celentano)

06/01/17 - 12/31/18

Qatar Supreme Council of Health; Role: Co-Investigator

JHSPH-Qatar Collaboration for National Quality & Safety Indicators

The overall goal of this proposal is to develop and implement a world-class program of measuring, monitoring, and improving the quality and patient safety that the patients and people of Qatar experience at the health care facility level. The knowledge **transfer by the JHSPH experts will empower and enable the local Qatar team to assure the sustainability of the project.**

200-2012-53664 (Halsey/Talaat)

08/19/15 – 09/25/17

CDC; Role: Co-Investigator

CISA Clinical Vaccine Safety Evaluation- Contributing Contractor Functions

The goal of the study is to provide evidence relevant to the current ACIP recommendations for universal influenza vaccination, including women of reproductive age and pregnant women.

R01DA033644 (Owczarzak)

08/01/13 – 05/31/16

NIDA

A Novel, Bottom Up Approach to Promote Evidence Based HIV Prevention

This study will determine the extent to which agencies can develop and implement an intervention for drug users that incorporates common factors of effective behavioral interventions.

Role: Co-Investigator

TR 3760-A-3 (Calabresi)

10/01/05 - 01/31/10

Natl Multiple Sclerosis Society

Mechanisms of Neurodegeneration and Strategies for Neuroprotection in MS

The primary goal of this translational research partnership is to carry out a series of investigations which will define the cellular and molecular pathways of axonal injury in

MS. Based on these initial studies, we will test neuroprotective drugs in cell culture and animal models that mimic how axon damage may occur in MS.

Role: Co-Investigator

3UL1RR025005-03S3 (Ford)

09/15/09 – 09/14/11

NIH

**Institutional Clinical and Translational Science Award -
Development of a Master's Fellowship in Applied Biostatistics**

The Biostatistical Fellowship component of this project aims to address the critical needs for biostatistical personnel through support for a highly innovative program to attract Master's-level statistician candidates to our institution. The fellowship provides them with two years of training and culminates in a Master of Science in Biostatistics.

Role: Co-Investigator

90044347 (Calabresi)

11/08/10 – 11/07/12

BIOGEN IDEC

Advance

The primary objective of the study is to determine the proportion of patients with RNFL decrease of 5 microns or more from baseline to months 12 and 24 in the BIIB-17 vs. placebo arms of the Phase 3 ADVANCE clinical trial.

Role: Co-Investigator

(Danoff)

07/01/10 – 06/30/12

American College of Rheumatology

RA-Associated Lung Disease Using Quantitative Mark

Role: Co-Investigator

R25HG005955 (Wheelan)

09/22/10 – 07/31/13

NHGRI

Gaining Skills and Collaborating Through Interdisciplinary Education

The major goal of this project is to provide a weeklong, hands-on workshop will give biological and quantitative scientists the skills to communicate effectively with one another, connect with more productive collaborations through a more educated computational genomics community, and increase the quality of research.

Role: Co-Investigator

ACADEMIC SERVICE (at the Johns Hopkins Bloomberg School of Public Health unless otherwise indicated)

- Member, R³ISE Advisory Board (September 2019 – present)
- Member, OPAL Advisory Board (2016 – present)

- Member, MPH Executive Board (2012 – present)
- Member, MPH Admissions Committee (2011 -present)
- Member, Advisory Board, Center for Teaching and Learning Technology (CTLT). (2006- present)
- Member and School of Public Representative, MEHP Curriculum Oversight Committee (MEHP is a University wide professional degree “Master Education for Health Professionals”) (2011 – 2013)
- Member, Excellence in Teaching Task Force (2009-10)
- Member, CEPH Self-Study Steering Committee. (2004-06)
- Member, Search Committee for Director of Medical Education. Johns Hopkins University School of Medicine. (2005)

PRESENTATIONS

Scientific Meetings

The Luxury (and Necessity) of Context in Graduate Level Statistics Courses for Health Sciences Students. Invited Talk. Annual Meetings of the Statistical Society of Canada, Montreal QB, June 2018.

Assessment: An Essential Component of Students' Learning and Educators' Understanding. Topic Contributed Panel Session. Annual Meetings of the American Statistical Association, Baltimore MD, August 2017.

Statistics Education Through Online Education. Invited Panel Session. Annual Meetings of the American Statistical Association, Seattle WA, August 2015.

Statistical Reasoning's New Look. Invited talk, International Conference on Teaching Statistics, Flagstaff AZ, 2014.

Statistical Reasoning for the Masses. Invited talk as part of the session “Massive Online Open Statistics (MOOS): Should We Be Teaching Statistics To 100,000 At a Time? ”. Annual Meetings of the Eastern North American International Biometric Society, Baltimore MD. 2014.

Teaching Statistical Reasoning to Public Health Graduate Students: Trying to Meet the Evolving Needs of Course Enrollees. Contributed Session, Section on Teaching Statistics in the Health Sciences. Annual Meetings of the American Statistical Association, Montreal QB, August 2013.

Using Regression to Reinforce and Further Understanding about Confounding and Effect Modification. Invited talk as part of the section “Teaching and Learning Applied

Regression: Perspectives from Teachers and Students” Annual Meetings of the American Statistical Association, San Diego CA, August 2012.

Varying Data Based Examples to a Diverse Audience of Public Health Graduate Students in an Introductory Concept-Centric Biostatistics Course. Contributed Session, Section on Teaching Statistics in the Health Sciences. Annual Meetings of the American Statistical Association, Miami Beach FL, August 2011.

Demystifying Hypothesis Testing. Invited Session “Moving Beyond the Roldodex of Formulas: Teaching Statistical Thinking”. Annual Meetings of the Eastern North American International Biometric Society, Miami FL. 2011.

Interaction Effects and Explanatory Designs. Invited Session given at Clinical Epidemiology and Biostatistics for the Practitioner (One Day Seminar sponsored by Bayview Biostatistics, Epidemiology and Data Management Core). Johns Hopkins Bayview Medical Center, Baltimore MD, March 2011, October 2011.

On the Relative (Small Sample) Performance of Several Approaches to Confidence Intervals for a Difference in Means. Contributed Session, Section on Statistical Computing. Annual Meetings of the American Statistical Association, Washington DC, August 2009.

Sample Size Computations for Detectable Odds Ratios in the Presence of a Binary Confounder. Invited Lecture, Department of Epidemiology Advanced Graduate Student Seminar, Johns Hopkins Bloomberg School, Baltimore MD, 2008-14.

Teaching Introductory Statistics Online. Invited Session, Section of Statistical Education. Annual Meetings of the American Statistical Associations, Denver CO, August 2008.

Basic Biostatistics: Online Learning Versus On Campus Learning. Contributed Session, Annual Meetings of the American Statistical Associations, Seattle WA, August 2006.

Enter the Bootstrap. Johns Hopkins University Bloomberg School of Public Health Wall of Wonder, Baltimore MD, March 2006. (part of the Department sponsored open lecture series “Everything You Wanted to Know About Biostatistics but were Afraid to Ask”)

Smoothing Percentiles in R With an Application to Achondroplasia. Contributed Session, Annual Meeting of the American Public Health Association, Philadelphia PA, December 2005.

Basic Biostatistics: An Online Success Story. Contributed Session, Annual Meetings of the American Statistical Association, Minneapolis MN, August 2005.

Everyone's Favorite Subject On-Line! Bringing Biostatistics to the Web. Contributed Session, The International Conference on Teaching and Learning, Jacksonville FL, April 2001.

Difficulties in Achieving Truly Random Offender Samples: The Case for OPTS (Opportunity to Succeed) Evaluation. Annual Meeting of the American Society of Criminology, San Diego CA, November 1997.

Time Served in Prison by Federal Offenders. Annual Meeting of the American Society of Criminology, San Diego CA, November 1997.

Invited Seminars

Regression Based Techniques for Clinical and Translational Research. BEAD Core Research Workshop: From Study Design to Statistical Plan II, April 2017, Johns Hopkins Bayview Medical Center, Baltimore MD.

Is Parenthood Worse than Death of a Partner? The Disconnect Between Research Results, Statistical Literacy, and Science Reporting. Invited Talk. Ignite Baltimore 18. Baltimore MD, April 2016.

The Quest for a Universal Foundation of Reasoning Across Multiple Levels of Biostatistical Education. Invited talk. Brown University, Department of Biostatistics, Providence RI, February 2015.

Online Learning Versus On Campus Learning. Invited talk given at the State University of New York, Stony Brook NY, Program in Public Health. June, 2012.

Regression Methods in Clinical Research. Invited Session given for the Academic Fellows from Division of General and Adolescent Medicine. Johns Hopkins School of Medicine, Baltimore MD, April 2012.

A Quick Primer on Regression. Invited Session given at Clinical Epidemiology and Biostatistics for the Practitioner : Part 2 (One Day Seminar sponsored by Bayview Biostatistics, Epidemiology and Data Management Core). Johns Hopkins Bayview Medical Center, Baltimore MD, November 2011.

Considering Confounding and Effect Modification in Population Based Research . Invited Session given for the Academic Fellows from Division of General and Adolescent Medicine. Johns Hopkins School of Medicine, Baltimore MD, September 2011.

Comparing and Contrasting Statistical Software Choices. Invited Lecture, Johns Hopkins Department of Biostatistics Student Computing Club, Baltimore MD, April 2010.

Some Key Ideas in Biostatistics. Monthly Seminars for Johns Hopkins School of Medicine Department of Neurology Fellows, Baltimore MD, February – May 2009

Two Studies on Current Issues in Biostatistical Education. Public Thesis Defense Seminar, Johns Hopkins Bloomberg School of Public Health, Baltimore MD, August 2007.

Confounding and Interaction in Public Health Studies. Geisinger Health Systems, Danville PA, July 2003.