Curriculum Vitae

Ramzi W. Nahhas, Ph.D. Biostatistics Associate Professor

Department of Population and Public Health Sciences (primary)

Department of Psychiatry (secondary)

Boonshoft School of Medicine, Wright State University

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EDUCATIONAL HISTORY

Location	<u>Degree</u>	<u>Year</u>	<u>Major</u>
The Ohio State University, Columbus	Ph.D.	1999	Biostatistics
The Ohio State University, Columbus	M.S.	1995	Statistics
The Ohio State University, Columbus	B.S.	1993	Mathematics

EMPLOYMENT HISTORY

2014-present	Associate Professor	 Department of Population and Public Health Sciences (Primary Appointment), Department of Psychiatry (Secondary Appointment), Boonshoft School of Medicine (BSOM), Wright State University (WSU)
2009-2014	Assistant Professor	 Department of Community Health, BSOM, WSU
2008-2009	Research Assistant Professor	 Department of Community Health, BSOM, WSU
2007-2008	Sr. Biostatistician	 Lifespan Health Research Center (LHRC), Department of Community Health, BSOM, WSU
2006-2007	Language Survey Coordinator	 Department of Linguistics, Payap University, Chiang Mai, Thailand, and SIL International
2004-2006	Language Survey Specialist	 Department of Linguistics, Payap University, Chiang Mai, Thailand, and SIL International
2002	Statistics Instructor	 Graduate Institute of Applied Linguistics, Dallas, TX
2000-2007	Language Surveyor	 Wycliffe, Dallas, TX and Chiang Mai, Thailand (seconded to SIL International 2003-2007)
1999-2000	Research Scientist	 Battelle, Columbus, OH

ONGOING EXTRAMURAL RESEARCH SUPPORT

(\$ = total direct and indirect costs)

- 1. **Ohio Department of Higher Education,** Ohio Opioid Analytics Project, Nahhas (PI for Wright State University), 05/01/2018 06/30/2019, \$50,395, Role: **Principal Investigator**
- 2. **NIH/NIDA**, R21DA044518, Daniulaityte/Lamy/Sheth (Multiple PI), 05/15/2017 05/14/2019, \$408,373, "eDarkTrends: Monitoring Cryptomarkets to Identify Emerging Trends of Illicit Synthetic Opioids Use", Role: **Co-Investigator**
- 3. **NIH/NIDA**, R01DA040811, Daniulaityte (PI), 07/15/2016 06/30/2020, \$2,534,586, "A Natural History Study of Buprenorphine Diversion, Self-Treatment, and Use of Drug Abuse Treatment Services", Role: **Co-Investigator**.

COMPLETED RESEARCH

- NIH/NIDA, R01DA039454, Daniulaityte/Sheth (Multiple PI), 08/15/2014 07/31/2018, \$1,689,019, "Trending: Social Media Analysis to Monitor Cannabis and Synthetic Cannabinoid Use", Role: Co-Investigator.
- NIH/NIDCR, R01DE024732, Nahhas/Oh (Multiple PI), 04/02/2015 09/30/2015, \$2,834,470, "Craniofacial Growth Prediction in Different Facial Types", Role: Co-Principal Investigator [Grant moved to University of Missouri in 2015]
- 3. **NIH/NIAMS**, R01AR055927, Duren (PI), 08/01/2014 07/24/2015, \$2,015,859, "Updating Skeletal Maturity Methods for U.S. Children", Role: **Co-Investigator** [Grant moved to University of Missouri in 2015]
- 4. **Wright State University**, Boonshoft School of Medicine, Translational Grant Development Program, Duren (PI), 07/01/2014 07/24/2015, \$50,000, "FelsXpress: A Semi-Automated Computer Program for Assessment of Skeletal Maturity in Children", Role: **Co-Investigator**
- 5. **NIH/NICHD**, R01HD012252, Czerwinski (PI), 07/10/2010 6/30/2016, \$6,912,384, "Adiposity, Disease Risk Factors, and Lifetime Health", Role: **Co-Investigator**
- 6. **NIH/NIDA**, R01DA023577, Carlson (PI), 04/01/2008 12/31/2014, \$3,091,278, "Opioid Use Trajectories and HIV Risk Among Young Adults in Ohio", Role: **Co-Investigator** (since 05/2009)
- 7. **NIH/NIDCR**, R03DE021435, **Nahhas (PI)**, 04/01/2011 03/31/2014, \$276,817, "Longitudinal Modeling of Craniofacial Growth Trajectories", Role: **Principal Investigator**
- 8. **NIH/NIDA**, RC1DA028467, Carlson (PI), 09/30/2009 08/31/2012, \$1,000,000, "Comparing Acute and Continuous Drug Abuse Treatment: A Randomized Clinical Trial", Role: **Co-Investigator** (since 10/2011)
- 9. **NIH/NIAMS/NICHD**, R01AR055927, Chumlea/Duren (Multiple PI), 07/17/2009 06/30/2012, \$717,114, "Updating Skeletal Maturity Methods for U.S. Children", Role: **Co-Investigator**
- 10. **NIH/NICHD**, R01HD012252, Siervogel (PI), 12/01/2004 07/09/2010, \$5,769,480, "Adiposity, Disease Risk Factors, and Lifetime Health", Role: **Co-Investigator** (since 07/2008)

EXTRAMURAL RESEARCH PROPOSALS SUBMITTED BUT NOT FUNDED

(while at the rank of Associate Professor)

- 1. **NIH/NIBIB**, R01, Sunar (PI), 07/01/2017 06/30/2021, \$1,508,385, "Quantitative Multi-Modal Endoscopy for Oral Lesion Characterization", A0 submitted February 2016, A1 Submitted November 2016, Scored at 40th percentile, Role: **Statistician**
- 2. **NIH/NIMH**, R01, Sunar (PI), 07/01/2017 06/30/2021, \$1,526,329, "Characterizing Biomarkers of Autism Spectrum Disorder for Improved Diagnosis and Longitudinal Assessment using Functional Optical Imaging", A0 Submitted November 2016, Scored at 50th percentile, Role: **Statistician**
- 3. **NIH/NCI**, R01, Sunar (PI), 07/01/2017 06/30/2022, \$1,873,217, "Quantitative Optical Imaging Guided Optimization of Light-triggered Drug Release", A0 Submitted November 2016, Role: **Statistician**
- 4. **NIH/NICHD**, R21HD093970, Hershberger (PI), 12/01/2017 11/30/2019, \$407,000, "Exposure to Childhood Adversity, Social and Emotional Learning, and Health Outcomes", A0 submitted February, 2017, Role: **Co-Investigator**
- 5. **PCORI**, Bowman (PI), 08/01/2017 7/31/2022, \$4,281,510, "Comparative Effectiveness of Two Community-Based Facilitated Discussions 'Serious Illness Conversation Guide' and 'Respecting Choices® Advance Care Planning' on End of Life Preference Concordance", LOI submitted September 2016, Proposal submitted December 2016, Role: **Co-Investigator**
- 6. **National Institute of Justice**, Dunsieth (PI), 01/01/2017 12/31/2019, \$543,227, "Examining the Environment: Community Factors that Increase or Mitigate the risk of Firearm Violence", Submitted May, 2016, Role: **Co-Investigator**
- 7. **NIH/NIDA**, R01, Carlson/Wax/Manini (Multiple PI), 09/01/2016 08/31/2021, \$3,597,349, "Catching the Synthetic Buzz: An Innovative Reactive and Proactive Approach", A1 submitted March, 2016, Role: **Co-Investigator**
- 8. **NIH/NEI**, R01, Kashou (PI), 09/01/2016 08/31/2021, \$2,058,989, "Functional and Structural Connectivity of Infantile Nystagmus Syndrome", A1 submitted March, 2016, Role: **Co-Investigator**
- 9. **PCORI**, Bowman (PI), 03/01/2017 2/28/2022, \$7,300,000, "Improving Post-Hospitalization Care Management, Coordination, and Outcomes through Rapid and Accurate Electronic Information and Prompts to Pharmacies and Primary Care", LOI Submitted May 2016, Role: **Biostatistician**
- 10. **OSU/MedTAPP,** Maxwell (PI), 05/01/2016 06/30/2017, \$2,058,989, "Developing Prediction Models to Identify Pregnant Women and Babies at Risk for Preterm Birth and Infant Mortality", Submitted April, 2016, Role: **Co-Investigator**
- 11. **NIH/NICHD**, R01HD012252, Czerwinski (PI), 07/01/2016 06/30/2021, \$7,782,080, "Adiposity, Disease Risk Factors, and Lifetime Health", A0 submitted March, 2015 (Impact Score = 37, Percentile = 26), A1 submitted November, 2015, Role: **Co-Investigator**
- 12. **NIH/NIDDK/NIAMS**, R01DK107692, Duren (PI), 09/01/2015 08/31/2020, \$3,064,568, "Body Composition Change, Muscle Quality, and Bone Health After Sleeve Gastrectomy", A0 submitted February, 2015, Role: **Co-Investigator**
- 13. **NIH/NIDCR**, R21DE024842, Sherwood (PI), 12/01/2015 11/30/2017, \$402,197, "Photogrammetric Methods for Assessment of Nasomaxillary Growth Cessation: Potential Applications for Optimizing Surgical Treatment Timing", A0, Not discussed, A1 submitted March, 2015, Role: **Co-Investigator**
- 14. **NIH/NIDA**, R01DA040239, Carlson (PI), 07/01/2015 06/30/2020, \$3,193,840, "Catching the Synthetic Buzz Through Innovative Epidemiologic Monitoring", A1 submitted November, 2014, Impact Score: 46, Percentile: 40, Role: **Co-Investigator**
- 15. **NIH/NIAMS**, R03AR068721, Froehle (PI), 07/01/2015 06/30/2018, \$224,000, "Objective Standards for Preserving Mobility in Knee Osteoarthritis Patients", A0 submitted November 2014, Role: **Co-Investigator**

PEER-REVIEWED ARTICLES PUBLISHED OR IN PRESS

My full list of my published works that have a PMID can be found at: https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/46303629/?sort=date&direction=descending

* Indicates an MPH student (current or recently graduated), medical student, or resident/fellow.

2018

- 1. Lokala U, Lamy FR, Daniulaityte R, Sheth A, **Nahhas RW**, Roden J, Carlson RG, Yadav S. Global trends, local harms: availability of fentanyl-type drugs on the dark web and accidental overdoses in Ohio. **Computational and Mathematical Organization Theory**. 2018. *In press. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]*
- Khalil N, Wallace KD*, Tahtamooni OT*, Rogers NL, Nahhas RW. Association of secondhand smoke with increased sagittal abdominal diameter in the US population: NHANES 2011-2012.
 Environmental Disease. 2018, 3(2):45-51. DOI 10.4103/ed.ed 7 18. [Role: Review and update of methodology, results interpretation, manuscript preparation]
- 3. Khalil N, Kaur B, Lawson A, Ebert J, **Nahhas RW**. Secondhand smoke exposure is associated with Autism Spectrum Disorder in U.S. males but not in females: results from the National Survey on Children's Health. **Environmental Disease**. 2018, 3(1):8-17. DOI 10.4103/ed.ed 2 18. [Role: Revision of analytical method, results interpretation, manuscript preparation]
- Daniulaityte R, Zatreh M*, Lamy FR, Nahhas RW, Martins SS, Sheth A, Carlson RG. A Twitter-based survey on marijuana concentrate use. Drug and Alcohol Dependence. 2018, 187:155-159. DOI 10.1016/j.drugalcdep.2018.02.033. PMID 29669296. [Role: Review of methodology, multiple testing adjustment, results interpretation, manuscript preparation]
- 5. Guina J, Nguyen M*, Farnsworth S*, **Nahhas RW**. PTSD symptom severity, but not trauma type, predicts mental health help-seeking in the military. **Journal of Psychiatric Practice**. <u>2018</u>, In press. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 6. Lamy FR, Daniulaityte R, Zatreh M*, **Nahhas RW**, Sheth A, Martins SS, Boyer EW, Carlson RG. "You got to love rosin: Solventless dabs, pure, clean, natural medicine." Exploring Twitter data on emerging trends in Rosin Tech marijuana concentrates. **Drug and Alcohol Dependence**. 2018, 183: 248–252. DOI 10.1016/j.drugalcdep.2017.10.039. PMID 29306816. PMCID PMC5803369. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 7. Khalil N, Honda M, Ebert J, Lee M, Koskela A, Hangartner T, **Nahhas RW**, Kannan K. Perfluoroalkyl substances, bone density, and cardio-metabolic risk factors in obese 8-12 year old children: a pilot study. **Environmental Research**. 2018, 160:314-321. DOI 10.1016/j.envres.2017.10.014. PMID 29040951. [Role: Revision of analytical method, data analysis, results interpretation, manuscript preparation]
- 8. Guina J, **Nahhas RW**, Sutton P*, Farnsworth S*. The influence of trauma type and timing on PTSD symptomology. **Journal of Nervous and Mental Disease**. <u>2018</u>, 206(1):72-76. DOI <u>10.1097/NMD.000000000000730</u>. PMID <u>29271827</u>. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- Gspandl S*, Peirson R, Nahhas RW, Skale T, Lehrer D. Comparing Global Assessment of Functioning (GAF) and World Health Organization Disability Assessment Schedule (WHODAS) 2.0 in schizophrenia. Psychiatry Research. 2018. 259:251-253. DOI 10.1016/j.psychres.2017.10.033. PMID 29091824. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]

- 10. Daniulaityte R, Lamy FR, Smith GA, Nahhas RW, Carlson RG, Thirunarayan K, Martins SS, Boyer EW, Sheth A. "Retweet to pass the blunt": Analyzing geographic and content features of cannabis-related tweeting activity across the U.S. Journal on Studies of Alcohol and Drugs. 2017, 78(6):910-915. DOI 10.15288/jsad.2017.78.910. PMID 29087826. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 11. Guina J, **Nahhas RW**, Mata N*, Farnsworth S*. Which Posttraumatic Stress Disorder symptoms, trauma types, and substances correlate with suicide attempts in trauma survivors? **Primary Care Companion for CNS Disorders**. <u>2017</u>, 19(5). PII: 17m02177. DOI <u>10.4088/PCC.17m02177</u>. PMID <u>29099549</u>. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 12. Daniulaityte R, Lamy FR, Barrat M, **Nahhas RW**, Martins SS, Boyer EW, Sheth A, Carlson RG. Characterizing marijuana concentrate users: a web-based survey. **Drug and Alcohol Dependence**. 2017, 178:399-407. DOI 10.1016/j.drugalcdep.2017.05.034. PMID 28704769. PMCID PMC5567791 [Available on 2018-09-01]. [Role: Review of methodology, results interpretation, manuscript preparation]
- 13. Guina J, **Nahhas RW**, Welton RS. No role for benzodiazepines in posttraumatic stress disorder until supported by evidence. **Australasian Psychiatry**. 2017, 25(4):415-416. DOI 10.1177/1039856217711061. PMID 28747110. [Role: Manuscript preparation]
- 14. Lamy FR, Daniulaityte R, Nahhas RW, Barratt MJ, Sheth A, Smith GA, Martins SS, Boyer EW, Carlson RG. Increase in synthetic cannabinoids-related harms: results from a longitudinal web-based content analysis. International Journal of Drug Policy. 2017, 44:121-129. DOI 10.1016/j.drugpo.2017.05.007. PMID 28578250. PMCID PMC5545681. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 15. Green CL*, **Nahhas RW**, Scoglio AA, Elman I. Post-traumatic stress symptoms in pathological gambling: potential evidence of anti-reward processes. **Journal of Behavioral Addictions**. 2017, 6(1):98-101. DOI 10.1556/2006.6.2017.006. PMID 28274137. PMCID PMC5572998. [Role: Revision of analytical method, data analysis, results interpretation, manuscript preparation]
- 16. Zeola MP*, Guina J, **Nahhas RW**. Mental health referrals reduce recidivism in first-time juvenile offenders, but how do we determine who is referred? **Psychiatric Quarterly**. 2017, 88(1):167-183. DOI 10.1007/s11126-016-9445-z. PMID 27241528. [Role: Modification and expansion of analytical method, data analysis, results interpretation, manuscript preparation]
- 17. Kashou N, Dar I*, Hasenstab K, **Nahhas RW**, Jadcherla S. Somatic stimulation causes frontoparietal cortical changes in neonates: a functional near-infrared spectroscopy study. **Neurophotonics**. <u>2017</u>, 4(1):011004. DOI <u>10.1117/1.NPh.4.1.011004</u>. PMID <u>27570791</u>. PMCID <u>PMC4981749</u>. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]

2016

- 18. Guina J, **Nahhas RW**, Kawalec K*, Farnsworth S*. Are gender differences in DSM-5 PTSD symptomatology explained by sexual trauma? **Journal of Interpersonal Violence**. <u>2016</u>, 1-28. DOI <u>10.1177/0886260516677290</u>. PMID <u>27827321</u>. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 19. Guina J, **Nahhas RW**, Goldberg AJ*, Farnsworth S*. PTSD symptom severities, interpersonal traumas and benzodiazepines are associated with substance-related problems in trauma patients. **Journal of Clinical Medicine**. 2016, 5(8):70. DOI 10.3390/jcm5080070. PMID 27517964. PMCID PMC4999790. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 20. Lamy FR, Daniulaityte R, Sheth A, **Nahhas RW**, Martins SS, Boyer EW, Carlson RG. Those edibles hit hard: Exploration of Twitter data on cannabis edibles in the U.S. **Drug and Alcohol Dependence**, 2016, 164:64-70. DOI 10.1016/j.drugalcdep.2016.04.029. PMID 27185160. PMCID PMC4893972. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]

- 21. Kashou N, Giacherio B, **Nahhas RW**, Jadcherla S. Hand-grasping and finger tapping induced similar functional near-infrared spectroscopy cortical responses. **Neurophotonics**, 2016, 3(2):025006. DOI 10.1117/1.NPh.3.2.025006. PMID 27335888. PMCID PMC4909125. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 22. Carlson RG, **Nahhas RW**, Martins SS, Daniulaityte R. Predictors of transition to heroin use among non-opioid dependent illicit pharmaceutical opioid users: a natural history study. **Drug and Alcohol Dependence**, 2016, 160:127-134. DOI 10.1016/j.drugalcdep.2015.12.026. PMID 26785634. PMCID PMC4767561. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 23. Lehrer DS, Pato MT, **Nahhas RW**, Miller BJ, Malaspina D, Sobell JL, Buckley PF, Pato CN. Paternal age effect: Replication in schizophrenia with intriguing dissociation between bipolar with and without psychosis. **American Journal of Medical Genetics Part B: Neuropsychiatric Genetics**, 2016, 171(4):495-505. DOI 10.1002/ajmg.b.32334. PMID 26183902. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]

- 24. Daniulaityte R, **Nahhas RW**, Wijeratne S, Carlson RG, Lamy FR, Martins SS, Boyer EW, Smith GA, Sheth A. "Time for dabs": Analyzing Twitter data on marijuana concentrates across the U.S. **Drug and Alcohol Dependence**, 2015, 155:307-311. DOI 10.1016/j.drugalcdep.2015.07.1199. PMID 26338481. PMCID PMC4581982. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 26. Duren DL, **Nahhas RW**, Sherwood RJ. Do secular trends in skeletal maturity occur equally in both sexes? **Clinical Orthopaedics and Related Research**, 2015, 473(8):2559-2567. DOI 10.1007/s11999-015-4213-1. PMID 25716212. PMCID PMC4488188. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 27. von Hippel PT, Nahhas RW, Czerwinski SA. How much do children's body mass indices change over intervals of 6-12 months? Statistics from before and during the obesity epidemic. Pediatric Obesity, 2015, 10(6):468-475. DOI10.1111/ijpo.12008. PMID 25704952. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]

2014

- 28. **Nahhas RW**, Valiathan M, Sherwood RJ. Variation in onset, duration, intensity, and direction of adolescent growth in the mandible, maxilla, and cranial base: The Fels Longitudinal Study. **The Anatomical Record**, 2014, 297(7):1195–1207. DOI 10.1002/ar.22918. PMID 24737730. PMCID PMC4103980.
- 29. Carlson RG, **Nahhas RW**, Daniulaityte R, Martins SS, Li L, Falck RS. Latent class analysis of non-opioid dependent illegal pharmaceutical opioid users in Ohio. **Drug and Alcohol Dependence**, 2014, 134:259-266. DOI 10.1016/j.drugalcdep.2013.10.004. PMID 24210772. PMCID PMC3865109. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]

2013

- 30. **Nahhas RW**, Sherwood RJ, Chumlea WC, Duren DL. An update of the statistical methods underlying the FELS method of skeletal maturity assessment. **Annals of Human Biology**, 2013, 40(6):505-514. DOI 10.3109/03014460.2013.806591. PMID 23992229. PMCID PMC4013782.
- 31. Odegaard AO, Choh AC, **Nahhas RW**, Towne B, Czerwinski SA, Demerath EW. Systematic examination of infant size and growth metrics as risk factors for overweight in young adulthood. **PLOS ONE**, 2013, 8(6):e66994. DOI 10.1371/journal.pone.0066994. PMID 23818973. PMCID PMC3688577. [Role: Data analysis]

- 32. von Hippel PT, **Nahhas RW**. Extending the history of child obesity in the United States: The Fels Longitudinal Study, birth years 1930 to 1993. **Obesity**, <u>2013</u>, 21(10):2153-2156. DOI <u>10.1002/oby.20395</u>. PMID <u>23512972</u>. PMCID <u>PMC3695078</u>. [Role: Design of analytical method, data analysis, manuscript preparation]
- 33. **Nahhas RW**, Sherwood RJ, Chumlea WC, Towne B, Duren DL. Predicting the timing of maturational spurts in skeletal age. **American Journal of Physical Anthropology**, 2013, 150(1):68-75. DOI 10.1002/ajpa.22142. PMID 23283666. PMCID PMC3988703.
- 34. Duren DL, Šešelj M, Froehle AW, **Nahhas RW**, Sherwood RJ. Skeletal growth and the changing genetic landscape during childhood and adulthood. **American Journal of Physical Anthropology**, 2013, 150(1):48-57. DOI 10.1002/ajpa.22183. PMID 23283664. PMCID PMC3539213. [Role: Conception, interpretation of results, manuscript preparation]
- 35. Froehle AW, **Nahhas RW**, Sherwood RJ, Duren DL. Age-related changes in spatiotemporal characteristics of gait accompany ongoing lower limb linear growth in late childhood and early adolescence. **Gait and Posture**, 2013, 38(1):14-19. DOI 10.1016/j.gaitpost.2012.10.005. PMID 23159678. PMCID PMC3580126. [Role: Design of analytical method, data analysis, manuscript preparation]
- 36. Linabery AM, **Nahhas RW**, Johnson W, Choh AC, Towne B, Odegaard AO, Czerwinski SA, Demerath EW. Stronger influence of maternal than paternal obesity on infant and early childhood body mass index: The Fels Longitudinal Study. **Pediatric Obesity**, 2013, 8(3):159-169. DOI 10.1111/j.2047-6310.2012.00100.x. PMID 23042783. PMCID PMC3765070. [Role: Design of analytical method, data analysis, manuscript preparation]

- 37. Šešelj M, **Nahhas RW**, Sherwood RJ, Chumlea WC, Towne B, Duren DL. The influence of age at menarche on cross-sectional geometry of bone in young adulthood. **Bone**, <u>2012</u>, 51(1):38-45. DOI <u>10.1016/j.bone.2012.03.030</u>. PMID <u>22513271</u>. PMCID <u>PMC3584571</u>. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 38. Falck RS, **Nahhas**, **RW**, Li, L, Carlson RG. Surveying teens in school to assess the prevalence of problematic drug use. **Journal of School Health**, <u>2012</u>, 82(5):217-224. DOI <u>10.1111/j.1746-1561.2012.00690.x</u>. PMID <u>22494092</u>. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 39. Daniulaityte R, Falck RS, Li L, **Nahhas RW**, Carlson RG. Respondent-driven sampling to recruit young adult non-medical users of pharmaceutical opioids: problems and solutions. **Drug and Alcohol Dependence**, 2012, 121(1-2):23-29. DOI 10.1016/j.drugalcdep.2011.08.005. PMID 21885213. PMCID PMC3256264. [Role: Manuscript preparation]
- Williams KD, Nahhas RW, Cottom CR, Lawrence S, Subedi J, Jha B, Czerwinski SA, Blangero J, Williams-Blangero S, Towne B. Evaluation of qualitative methods for phenotyping brachymesophalangia V from radiographs of children. American Journal of Human Biology, 2012, 24(1):68-73. DOI 10.1002/ajhb.22205. PMID 22131202. PMCID PMC3457917. [Role: Data processing]

<u>2011</u>

- 41. Choh AC, Curran JE, Odegaard AO, **Nahhas RW**, Czerwinski SA, Blangero J, Towne B, Demerath EW. Differences in the heritability of growth and growth velocity during infancy and associations with FTO variants. **Obesity**, 2011, 19(9):1847-1854. DOI 10.1038/oby.2011.175. PMID 21720422. PMCID PMC4013792. [Role: Data analysis]
- 42. Choh AC, **Nahhas RW**, Lee M, Choi YS, Chumlea WC, Duren DL, Sherwood RJ, Towne B, Siervogel RM, Demerath EW, Czerwinski SA. Secular trends in blood pressure during early to middle adulthood: The Fels Longitudinal Study. **Journal of Hypertension**, 2011, 29(5):838-845. DOI 10.1097/HJH.0b013e328344da30. PMID 21430562. PMCID PMC3988666. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 43. Lee M, **Nahhas RW**, Choh AC, Demerath EW, Duren DL, Chumlea WC, Sherwood RJ, Towne B, Siervogel RM, Czerwinski SA. Longitudinal changes in calcaneal quantitative ultrasound measures

- during childhood. **Osteoporosis International**, 2011, 22(8):2295-2305. DOI 10.1007/s00198-010-1458-0. PMID 20976593. PMCID PMC3988661. [Role: Design of analytical method, data analysis, results interpretation, manuscript preparation]
- 44. Sherwood, RJ, Duren DL, Mahaney MC, Blangero J, Dyer TD, Cole SA, Czerwinski SA, Chumlea WC, Siervogel RM, Choh AC, **Nahhas RW**, Lee M, Towne B. A genome-wide linkage scan for quantitative trait loci influencing the craniofacial complex in humans (*Homo sapiens sapiens*). **The Anatomical Record**, 2011, 294(4):664-675. DOI 10.1002/ar.21337. PMID 21328561. PMCID PMC3091483. [Role: Results interpretation]
- 45. **Nahhas RW**. Sociolinguistic survey of Lawa in Thailand. **SIL Electronic Survey Reports** <u>2011</u>-044. SIL: Dallas, TX. (link)

1997-2010

- 46. Nahhas RW, Choh AC, Lee M, Chumlea WC, Duren DL, Siervogel RM, Sherwood RJ, Towne B, Czerwinski SA. Bayesian longitudinal plateau model of adult grip strength. American Journal of Human Biology, 2010, 22(5):648–656. DOI 10.1002/ajhb.21057. PMID 20737612. PMCID PMC3988672.
- 47. Tehan TM, **Nahhas RW**. Mpi present and future: Reversing language shift. **Mon-Khmer Studies Journal**, 2009, 38:87-104. (link) [Role: Data collection, data analysis, results interpretation, manuscript preparation]
- 48. Towne B, Williams KD, Blangero J, Czerwinski SA, Demerath EW, **Nahhas RW**, Dyer TD, Cole SA, Lee M, Choh AC, Duren DL, Sherwood RJ, Chumlea WC, Siervogel RM. Presentation, heritability, and genome-wide linkage analysis of the mid-childhood growth spurt in healthy children from the Fels Longitudinal Study. **Human Biology**, 2008, 80(6):623-636. DOI 10.3378/1534-6617-80.6.623. PMID 19728540. PMCID PMC2801436. [Role: Data processing]
- 49. **Nahhas RW**. Sociolinguistic survey of Mpi in Thailand. **SIL Electronic Survey Reports** <u>2007</u>-016. SIL: Dallas, TX. (<u>link</u>)
- 50. **Nahhas RW**, Wolfe DA, Chen H. Ranked set sampling: ranking error models and estimation of visual judgment error variance. **Biometrical Journal**, 2004, 46(2):255-263. DOI 10.1002/bimj.200210021.
- 51. **Nahhas RW**, Wolfe DA, Chen H. Ranked set sampling: cost and optimal set size. **Biometrics**, <u>2002</u>, 58(4):964-971. DOI: 10.1111/j.0006-341X.2002.00964.x. PMID 12495151.
- 52. Lanphear BP, Kahn RS, Berger O, Auinger P, Bortnick SM, **Nahhas RW**. Contribution of residential exposures to asthma in US children and adolescents. **Pediatrics**, <u>2001</u>, 107(6):E98. PMID <u>11389296</u>. [Role: Data analysis and results interpretation]
- 53. Ilich-Ernst JZ, McKenna AA, Badenhop NE, Clairmont AC, Andon MB, **Nahhas RW**, Goel P, Matkovic V. Iron status, menarche, and calcium supplementation in adolescent girls. **American Journal of Clinical Nutrition**, 1998, 68(4):880-887. PMID 9771866. (link) [Erratum in: American Journal of Clinical Nutrition, 1999, 69(3):577a-577]. [Erratum in: American Journal of Clinical Nutrition, 1999, 69(3):577]. [Role: Data analysis and results interpretation]
- 54. Matkovic V, Ilich JZ, Skugor M, Badenhop NE, Goel P, Clairmont A, Klisovic D, **Nahhas RW**, Landoll JD. Leptin is inversely related to age at menarche in human females. **Journal of Clinical Endocrinology and Metabolism**, 1997, 82(10):3239-3245. DOI 10.1210/jcem.82.10.4280. PMID 9329346. [Role: Data analysis and results interpretation]

BOOK CHAPTER

 Chumlea WC, Nahhas RW, Sherwood RJ, Duren DL. The FELS Method of skeletal maturity. Festschrift in honor of Robert Malina. 2013. Coimbra University Press. [Role: Manuscript preparation] https://digitalis-dsp.uc.pt/bitstream/10316.2/38543/1/The%20fels%20method%20of%20skeletal%20maturity.pdf (last accessed May 23, 2018)

PUBLISHED ABSTRACTS

- Czerwinski SA, Nahhas RW, Roa MO, Choh AC, Lee M. Recent secular trends in abdominal adiposity in the Fels Longitudinal Study. Abstract presentation at: The Obesity Society Annual Meeting at ObesityWeekSM 2017; Oct. 29 - Nov. 2, 2017; Washington, DC. www.obesityweek.com.
- 2. Lamy F, Daniulaityte R, Sheth A, **Nahhas RW**, Smith AG, Martins S, Carlson R. Using Twitter to monitor negative effects of cannabis and synthetic cannabinoid products. For presentation at the 79th Annual Meeting of the College on Problems of Drug Dependence, June 17-22, <u>2017</u>, Montreal, Canada.
- 3. [Abstract not available] Kashou NH, Dar IA, Hasenstab KA, Nahhas RW, Jadcherla SR. Somatic stimulation causes fronto-parietal cortical changes in neonates: an fNIRS study. 13th Annual World Congress of Society for Brain Mapping and Therapeutics. Miami, Florida. April 9, 2016.
- 4. [Abstract not available] Kashou NH, Giacherio BM, Nahhas RW, Jadcherla SR. Hand grasping and finger tapping induced similar functional near-infrared spectroscopy (fNIRS) cortical responses. 13th Annual World Congress of Society for Brain Mapping and Therapeutics. Miami, Florida. April 8, 2016.
- 5. Carlson R, **Nahhas RW**, Martins S, Daniulaityte R. Predictors of transition to opioid dependence among illicit pharmaceutical opioid users. For presentation at the 77th Annual Meeting of the College on Problems of Drug Dependence, June 15, 2015, Phoenix, AZ.
- 6. Daniulaityte R, Carlson R, Golroo F, Wijeratne S, Boyer E, Martins S, **Nahhas RW**, Sheth A. "Time for dabs": Analyzing Twitter data on butane hash oil use. For presentation at the 77th Annual Meeting of the College on Problems of Drug Dependence, June 15, 2015, Phoenix, AZ.
- 7. Froehle AW, May JH, Cox JT, Grannis KA, **Nahhas RW**, Lawless MW, Duren DL. Age at menarche affects ACL injury incidence but not knee laxity in female athletes. Thematic Poster Session B-62: ACL. 2015 ACSM (American College of Sports Medicine) annual meeting, May 26-30, 2015, San Diego, CA. (Medicine and Science in Sports and Exercise).
- 8. Lehrer DS, Pato MT, **Nahhas RW**, Miller BJ, Malaspina D, Sobell JL, Buckley PF, Pato CN. Risk factors for schizophrenia and the continuum of psychosis: advanced paternal age (APA) is also associated with psychosis in bipolar disorder. For presentation at the 15th International Congress on Schizophrenia Research. March 28-April 1, 2015, Colorado Springs, Co.
- 9. Duren DL, **Nahhas RW**, Middleton ER. Skeletal, cutaneous, and anthropometric measures of childhood changes in knee breadth. Abstracts AAPA Presentations. **American Journal of Physical Anthropology**, 2014, 153(S58):111. Presented at the annual meetings of the American Association of Physical Anthropologists, April 7-12, 2014, Calgary, Alberta, Canada. DOI 10.1002/ajpa.22488.
- 10. Seselj M, Nahhas RW, Sherwood RJ. New standards of dental formation for permanent mandibular teeth based on radiographic data from the Fels Longitudinal Study. Abstracts AAPA Presentations. American Journal of Physical Anthropology, 2014, 153(S58):236. Presented at the annual meetings of the American Association of Physical Anthropologists, April 7-12, 2014, Calgary, Alberta, Canada. DOI 10.1002/ajpa.22488.
- 11. Shee NK, Owen RW, **Nahhas RW**. The role of the mother tongue in national language acquisition in rural primary schools in Myanmar. Presented at the **4th International Conference on Language and Education**, November 6-8, <u>2013</u>, Bangkok, Thailand.

- 12. Falck R, **Nahhas R**, Daniulaityte R, Carlson R. Personality characteristics of young adult non-medical prescription opioid users in central Ohio. 2013 annual meeting of the **College on Problems of Drug Dependence**, June 15-20, 2013, San Diego, CA.
- 13. Brigham GS, Falck R, **Nahhas RW**, Booth BM, Han X, Carlson R. A randomized clinical trial of long term recovery management (LTRM) for opioid or stimulant dependence. 2013 annual meeting of the **College on Problems of Drug Dependence**, June 15-20, <u>2013</u>, San Diego, CA.
- 14. Froehle AW, Nahhas RW, Sherwood RJ, Duren DL. Age at menarche predicts base of support during walking and knee injury risk in adolescent girls. Gait and Clinical Movement Analysis Society 2012 Conference, Cincinnati, OH, October 26, 2012.
- 15. Nahhas RW, Sherwood RJ. Onset, intensity, and duration of adolescent mandibular and maxillary growth. Poster presented at the First Symposium on Translational Orthodontic Research, New York City, October 5th, 2012. Program available at www.orthodonticscientist.org/CTOR-Symposium.html (last accessed December 14, 2012).
- 16. Šešelj M, Nahhas RW, Sherwood RJ, Chumlea WC, Siervogel RM, Czerwinski SA, Towne B, Duren DL. Pubertal influences on bone strength: results from the Fels Longitudinal Study. Journal of Bone and Mineral Research. 2011, 26(suppl 1):S93-94. Presented at the annual meetings of the American Society for Bone and Mineral Research. September 16-20, 2011, San Diego, CA.
- 17. Linabery AM, Nahhas RW, Choh AC, Odegaard AO, Johnson WO, Towne B, Czerwinski SA, Demerath EW. Stronger effects of maternal than paternal obesity on infant BMI growth curves. American Journal of Epidemiology, 2011, 173(suppl 11):S281. DOI 10.1093/aje/kwr181. Presented at the 3rd North American Congress of Epidemiology, June 21-24, 2011 Montreal, Canada.
- Czerwinski SA, Nahhas RW, Chumlea WC, Choh AC, Lee M. 2011. Body Composition over the lifespan. American Journal of Physical Anthropology, <u>2011</u>, 144(S52):119. Invited paper: Presented at the annual meetings of the American Association of Physical Anthropologists, April 12-16, 2011, Minneapolis, MN.
- 19. Nahhas RW, Duren DL, Sherwood RJ, Siervogel RM, Czerwinski SA, Chumlea WC, Towne B. Prediction of the timing of catch-up for children with delayed skeletal maturation. American Journal of Physical Anthropology, 2011, 144(S52):222-223. Invited paper: Podium presentation at the annual meetings of the American Association of Physical Anthropologists, April 15, 2011, Minneapolis, MN.
- 20. Williams KD, Blangero J, **Nahhas RW**, Dyer TD, Subedi J, Jha B, VandeBerg JL, Williams-Blangero S, Towne B. Genome-wide linkage scan for QTL influencing physical activity levels of children from the Jirel ethnic group in Eastern Nepal. **American Society of Human Genetics**. 2010.
- 21. Czerwinski SA, **Nahhas RW**, Lee M, Choh AC, Demerath EW, Towne B. Prediction equations for estimating visceral adipose tissue. **Obesity**. 2010, 18(S2):S173.
- 22. Choh AC, **Nahhas RW**, Lee M, Towne B, Demerath EW, Czerwinski SA. Childhood overweight history predicts adult visceral adiposity. **Obesity**. <u>2010</u>, 18(S2):S194-195.
- 23. Lee M, Choh AC, Towne B, Dyer TD, Duren DL, Nahhas RW, Sherwood RJ, Chumlea WC, Siervogel RM, Cole SA, Czerwinski SA. Significant quantitative trait loci on chromosomes 3 and 16 linked to proximal hip geometry in the Fels Longitudinal Study. Journal of Bone and Mineral Research. 2010, 25(Suppl 1). www.asbmr.org/Meetings/AnnualMeeting/Abstracts10.aspx (last accessed April 5, 2013).
- 24. Duren DL, Nahhas RW, Sherwood RJ, Lee M, Choh AC, Towne B, Czerwinski SA, Siervogel RM, Chumlea WC. Secular trend for earlier skeletal maturation in US children. **Journal of Bone and Mineral Research**. 2010, 25(Suppl 1). www.asbmr.org/Meetings/AnnualMeeting/Abstracts10.aspx (last accessed April 5, 2013).
- 25. Falck RS, **Nahhas, RW**, Carlson RG. Assessing problematic drug use through school-based survey research. **138th American Public Health Association Annual Meeting**. <u>2010</u>. apha.confex.com/apha/138am/webprogram/Paper214292.html (*last accessed April 5, 2013*).

- 26. Williams KD, Blangero J, **Nahhas RW**, Dyer TD, Subedi J, Jha B, Williams-Blangero S, Towne B. Heritability of quantitative physical activity measures in children from the Jirel ethnic group in eastern Nepal. **American Journal of Human Biology**, 2010, 22(2):275.
- 27. Chumlea WC, **Nahhas RW**, Siervogel RM, Czerwinski SA. Rate of change in body fatness after 60 years of age. **Journal of Nutrition, Health and Aging**. 2010, 14(6):500-501.
- 28. Demerath EW, Soloway L, **Nahhas RW**, Choh AC, Chumlea WC, Siervogel RM, Towne B, Czerwinski SA. Concurrent secular trends in birth weight and infant weight gain, 1929-1999: The Fels Longitudinal Study. **Obesity**, 2009, 17(S2):S65.
- 29. **Nahhas RW**, Czerwinski SA. Bayesian longitudinal plateau model of adult grip strength with multiple imputation for missing response and covariates. (Poster presentation) **The 2009 Joint Statistical Meetings Abstract Book**, 2009, 405.
- 30. **Nahhas RW**, Choh AC, Lee M, Chumlea WC, Sherwood RJ, Duren DL, Towne B, Siervogel RM, Czerwinski SA. Longitudinal analysis of grip strength over the lifespan. (Podium presentation) **American Journal of Physical Anthropology**, 2009, 138(S48):303.
- 31. Choh AC, Lee M, **Nahhas RW**, Blangero J, Towne B, Wilson AF, Siervogel RM, Cole SA, Czerwinski SA. Gene-by-age interaction effects on grip strength: The Southwest Ohio Family Study. **American Journal of Human Biology**, 2009, 21(2):249-250.
- 32. Czerwinski SA, Lee M, **Nahhas RW**, Choh AC, Demerath EW, Duren DL, Sherwood RJ, Towne B, Chumlea WC, Siervogel RM. Serum adiponectin levels and cardiovascular disease risk factors in the Fels Longitudinal Study. **Circulation**, 2009, 119(10):44.
- 33. Lee M, Choh AC, **Nahhas RW**, Chumlea WC, Demerath EW, Duren DL, Sherwood RJ, Towne B, Siervogel RM, Czerwinski SA. Increased arterial stiffness with high-sensitive C-Reactive protein levels in women, but not in men. **Circulation**, 2009, 119(10):63-64.
- 34. Choh AC, Choi YS, **Nahhas RW**, Lee M, Chumlea WC, Duren DL, Sherwood RJ, Towne B, Demerath EW, Siervogel RM, Czerwinski SA. Secular trends in longitudinal blood pressure with age: The Fels Longitudinal Study. **Circulation**, 2009, 119(10):47.
- 35. Lee M, **Nahhas RW**, Choh AC, Demerath EW, Chumlea WC, Duren DL, Sherwood RJ, Williams KD, Towne B, Siervogel RM, Czerwinski SA. Longitudinal analysis of calcaneal quantitative ultrasound measures during childhood. **Journal of Bone and Mineral Research**, 2008, 23(S454).
- 36. Strauss WJ, Nahhas RW, Skarpness BO, Kaufmann R. Predictive modeling of blood-lead surveillance data using a polytimous logistic regression model. Paper presented at the 128th Annual Meeting of APHA, Boston, MA (Nov. 12-16, 2000). apha.confex.com/apha/128am/techprogram/paper_9933.htm (last accessed April 5, 2013).

PRESENTATIONS

(*** listed here are only those not listed above under **Published Abstracts** ***)

National/International

Bright G, **Nahhas RW**, Cottom C, Towne B. Standard Deviation Scores for Bone Age using the FELS Method. **Poster** presented at Endo 2018, Chicago, IL. March 18, 2018.

2017 Redko C, Smith T, **Nahhas RW**, Penry B, Zemmer J. Developing global citizenship and collaboration though online general education. **Poster** presented at "2017 Teaching Global Health: Summer Institute for Undergraduate Curriculum and Course Design". Allegheny College, Meadville, PA. June 19-21, 2017

^{*} Indicates an MPH student, medical student, or resident/fellow.

2016 Byron A*, Nelson S, Nahhas RW. "The Psychological and Physical Response of Children and Teens to the Loss of a Loved One." 63rd Annual Meeting of the American Academy of Child and Adolescent Psychiatry, October 2016, New York, NY. 2015 Scott-Hawkins J*, Harper B, Roman B, Nahhas RW, Neeley S, Houseknecht V. Project Parenthood: Efficacy of Evidence-Based Parenting and Safer Sex Education Program in an At-Risk Adolescent Population. American Academy of Child and Adolescent Psychiatry Annual Meeting. October 2015 2015 Zeola MP*, Guina J, Nahhas RW. Mental health referrals reduce recidivism in juvenile offenders... but how do we decide who gets referred? **Oral** presentation at the 46th Annual Meeting of the American Academy of Psychiatry and the Law, October 22-25, 2015, Ft. Lauderdale. 2014 Froehle AW, Grannis KA, Nahhas RW, Sherwood RJ, Duren DL. Age at menarche and gait base of support provide indicators of risk for ACL rupture in young females. Presented at the AAOS/CORR/ORS/CMH-UCD/SWHR Musculoskeletal Sex Differences Throughout the Lifespan Research Symposium, July 30-Aug 1, 2014, Rosemont, IL. 2014 Scott-Hawkins J*, Harper B, Roman B, Nahhas RW, Neeley S, Houseknecht V. Project Parenthood: Efficacy of Evidence-Based Parenting and Safer Sex Education Program in an At-Risk Adolescent Population. American Psychiatric Association Institute on Psychiatric Services Meeting. November 2014. 2014 Carlson RG, Nahhas RW, Martins S, Daniulaityte R. Predictors of transition to heroin use among non-opioid dependent illicit pharmaceutical opioid users. Oral paper presented at the College on Problems of Drug Dependence. June, 15-18, 2014, San Juan, Puerto Rico. Nahhas RW. An assessment of the vitality of the Mpi language of Thailand. (with Thomas 2006 Tehan). Podium presentation. Linguistics Department, Payap University Linguistics Special Lecture Series. Chiang Mai, Thailand. May 2006. Regional 2018 Zatreh M*, Khalil N. Nahhas RW. The association between lead exposure and femoral neck bone mineral density in U.S. adults age 40 years and older. Poster presentation. 2018 Ohio Combined Public Health Conference. 2018 Clark K*, Khalil N, Nahhas RW. The relationship between triclosan and body mass index in US adults: A study using 2013-2014 NHANES data. Oral presentation. 2018 Ohio Combined Public Health Conference. 2016 Guina J, Nahhas RW, Kawalec K*, Farnsworth S. (Apr 2016). Gender Differences in DSM-5 PTSD Symptoms. Ohio Osteopathic Symposium. Presentation conducted from Hilton at Easton, Columbus. 2016 Wallace K*, Nahhas RW, Khalil N. Older adults with elevated BMI are at greater risk of accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. Poster in state conference: Ohio Public Health Combined Conference (OPHCC), 2016, Columbus, Ohio. 2015 Carlson RG, Nahhas RW, Martins S, Daniulaityte R. Predictors of transition to heroin use among non-opioid dependent illicit pharmaceutical opioid users. Oral paper presented at Ohio's 2015 Conference on Opiates and Other Drugs. March 31, 2015, Hyatt Regency in Columbus, Ohio.

<u>Local</u> 2017

The Doctor Can See You Now: Telepsychiatry and Intellectual/Developmental Disability. Nita Bhatt*, M.D., M.P.H., Julie Gentile M.D., Allison Cowan, M.D., Ramzi W. Nahhas, Ph.D. Poster presentation. 18th Annual Virginia C. Wood Resident Research Forum, April 27, 2017, Sponsored by DAGMEC (Dayton Area Graduate Medical Education Community).

2017

Neurological Soft Signs in Adolescents with Problematic Videogame Playing. Cheryl L .Green*, M.D., Ph.D., Ramzi W. Nahhas, Ph.D., Ryan C. Mast, D.O., MBA, Grace Matheson, M.D., Ph.D., Mary Beth DeWitt, Ph.D., Igor Elman, M.D. Poster presentation. 18th Annual Virginia C. Wood Resident Research Forum, April 27, 2017, Sponsored by DAGMEC (Dayton Area Graduate Medical Education Community).

2012

Nahhas RW. Constructing conditional reference values for childhood skeletal age and predicting the timing of maturational spurts. **Podium** presentation. University of Dayton, Department of Mathematics and the Dayton Chapter of the American Statistical Association. April 26, 2012.

Wright State University

Nahhas RW. "How the statistician can help you do research." Scholar's Forum. Department of Psychiatry, Boonshoft School of Medicine, Wright State University. October 24, 2017.

Data-Driven Birth Outcomes Objectives for a Community Health Improvement Plan. Casey Gayheart* MPH, Sylvia Ellison, MA, MPH, and **Ramzi W. Nahhas PhD. Poster** presentation, Culminating Experience Poster Session, Master of Public Health Program, Boonshoft School of Medicine, Wright State University. April 28, 2017.

2017 Measurable Predictors of Birth Outcomes: Community Health Needs Assessment Objectives. Tazeen Shadaan Ahmed* MPH, Sylvia Ann Ellison MA, MPH, and **Ramzi W. Nahhas PhD. Poster** presentation, Culminating Experience Poster Session, Master of Public Health Program, Boonshoft School of Medicine, Wright State University. April 28, 2017.

Meeting physical activity guidelines and health outcomes in the elderly: Are racial differences important? R. Michael Johnson* MD FACS, **Ramzi W. Nahhas PhD** and John McAlearney PhD. **Poster** presentation, Culminating Experience Poster Session, Master of Public Health Program, Boonshoft School of Medicine, Wright State University. April 28, 2017.

2016 **Nahhas RW**. "Statistical Concepts and Red Flags." Journal Club, Department of Psychiatry, Boonshoft School of Medicine, Wright State University. September 20, 2016.

Nahhas RW. "Don't Let Your Mind be Fooled by the Numbers." Grand Rounds, Department of Psychiatry, Boonshoft School of Medicine, Wright State University. October 13, 2015.

Nahhas RW. Linear, non-linear, and spline random effects growth curve models. **Podium** presentation. First Biostatistics Symposium, Wright State University, April 23, 2013.

Nahhas RW. Controlled imputation sensitivity analysis along a continuum from MAR to extreme value single imputation. **Podium** presentation. Department of Mathematics and Statistics, Wright State University, March 6, 2013.

2012 **Nahhas RW**. Onset, intensity, and duration of adolescent mandibular and maxillary growth. **Poster** presentation. 2012 Central Research Forum, Boonshoft School of Medicine, Wright State University, November 29, 2012.

2011	Tackling basic and translational research: Can you do it all? Presentation (with R. Sherwood and D. Duren) to the WSU Medical Student Research Club. October 27, 2011.
2008	Nahhas RW . Longitudinal data analysis for continuous outcomes. Wright State University, Lifespan Health Research Center Statistics Club. March 13, 2008.
2009	Nahhas RW . Challenges in longitudinal data analysis: serial correlation, missing data, secular trends, and time-varying covariates. Podium presentation. Lifespan Health Research Center, Department of Community Health, Boonshoft School of Medicine, Wright State University, September 8, 2009.
2009	Nahhas RW . Longitudinal analysis of grip strength over the adult lifespan. Podium presentation. Boonshoft School of Medicine Research Retreat, Wright State University , May 27, 2009.
2009	Nahhas RW . Bayesian longitudinal plateau model of adult grip strength with multiple imputation for missing response and covariates. Poster presentation. Boonshoft School of Medicine Research Retreat, Wright State University, May 27, 2009.
2009	Nahhas RW . Some issues in longitudinal data analysis: serial correlation, missing data, secular trends, and time-varying covariates. Podium presentation. Department of Mathematics and Statistics Colloquium, Wright State University, April 24, 2009.

Ph.D. Thesis

Nahhas RW. Ranked set sampling: ranking error models, cost, and optimal set size. Ph.D. Thesis (Douglas A. Wolfe, Advisor). The Ohio State University, 1999.

TEACHING	
2016-2018	PPH 7920-01: Applied Statistics Practicum, Master of Public Health program, Boonshoft School of Medicine [Course developer & instructor; Created course book outlining methods in SPSS], Spring 2016, Spring 2017, Spring 2018
2015-2018	Introduction to Research, Department of Psychiatry, Boonshoft School of Medicine [Course development team member, Co-instructor], April 2015, April, November, August 2016; August, November 2017
2015-2017	PPH 7920-01: Public Health Epidemiology II, Master of Public Health program, Boonshoft School of Medicine [Co-course developer and Co-instructor], Fall 2015, Fall 2016, Fall 2017
2017	PPH 7150-01: Applied Epidemiology (Chronic Disease Epidemiology), Master of Public Health program, Boonshoft School of Medicine [Co-course developer], Spring 2017
2015	Guest lecture: Logistic Regression. CMH6100-01: Biostatistics for Health Professionals, Master of Public Health program, Boonshoft School of Medicine, <i>Fall 2015</i>
2012	Guest lecture: Sample size calculation methods using PASS. CMH 791-05: Advanced Statistical and Epidemiology Methods using SPSS, Master of Public Health program, Boonshoft School of Medicine, <i>August 9, 2012</i>

2009	An overview of data analysis and statistical programming. Wright State University, Lifespan Health Research Center. Workshop for STREAMS students. June 18 and 22, 2009.
2008	An overview of data analysis and SAS programming. Wright State University, Lifespan Health Research Center. Workshop for STREAMS students. June 24-25, 2008.
2006	AL733: Language Development Methods. Payap University, Graduate Studies Center, Department of Linguistics, Chiang Mai, Thailand [Course developer & instructor]
2002	LD5342: Statistical Methods, Graduate Institute of Applied Linguistics, Dallas, TX [Instructor]
1994-1998	Graduate Lecturer, Teaching Assistant, Grader, and Tutor, Department of Statistics, The Ohio State University, Columbus, Ohio
1990-1991	Undergraduate Teaching Assistant, Department of Mathematics, The Ohio State University, Columbus, Ohio

ADVISING / MENTORING

2018	Reader, Integrative Learning Experience Committee, Sumayyah Shermadou, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Does Self-Efficacy Mediate the Relationship between Parenting Style and Adolescent Fruit and Vegetable Consumption?"
2017	Co-Chair, Culminating Experience Committee, Joseph Taggart, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Association of Cadmium Exposure with Bone Mineral Density in U.S. Adults"
2017	Co-Chair, Culminating Experience Committee, Tazeen Ahmed, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Measurable Predictors of Birth Outcomes: Community Health Needs Assessment Objectives"
2017	Co-Chair, Culminating Experience Committee, Casey Gayheart, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Data-Driven Birth Outcomes Objectives for a Community Health Improvement Plan"
2016-2017	Chair, Culminating Experience Committee, R. Michael Johnson, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Meeting physical activity guidelines and health outcomes in the elderly: Are racial differences important?"
2016	Co-Chair, Culminating Experience Committee, Emile Shumbusho, Master of Public Health program, Wright State University Boonshoft School of Medicine, "The trend of communicable and non-communicable diseases in East African Community (EAC) countries. Case study of Burundi, Rwanda, and Uganda - 1990 to 2013"
2016	Co-Chair, Culminating Experience Committee, Kyle Wallace, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Older adults with elevated BMI are at greater risk of accelerated knee osteoarthritis: Data from the Osteoarthritis Initiative"

2015-2016	Co-Chair, Culminating Experience Committee, Gaurav Nagar, Master of Public Health program, Wright State University Boonshoft School of Medicine, "Is the breeze making you wheeze? Air Quality and Asthma in the US"
2011-2013	Training of postdoctoral fellows Maja Šešelj and Andy Froehle (Wright State University, Lifespan Health Research Center) in statistical analyses.
2011-2012	Training of postdoctoral fellow Kristin Krueger (Wright State University, Lifespan Health Research Center) in statistical analyses.
2011	Assisted student and STREAMS Scholar Athena Fannin (Wright State University, M.P.H. candidate) by creating a scatterplot for her poster presentation.
2009	Assisted student Sushant Taksande (Wright State University, M.S. in Biological Science candidate) with statistical analysis for his Master's thesis.
2009	Assisted student Gabriel Moreno (Wright State University, M.S. in Biological Science candidate) with statistical analysis for his Master's thesis.
2008-2009	Training of postdoctoral fellows Kimberly Williams and Naila Khalil (Wright State University, Lifespan Health Research Center) in statistical analyses.
2008	Assisted student Lawrence Mullen (Wright State University, M.S. in Biomedical Science candidate) by providing an introduction to statistical analysis during his lab rotation at the Lifespan Health Research Center.
2005	Thesis Committee. Department of Linguistics, Payap University, Chiang Mai, Thailand. Ji Hongli. 2005. A study of language use and language attitudes among the Bisu speakers in China and Thailand. Master's Thesis, Department of Linguistics, Payap University, Chiang Mai, Thailand. Chair: Dr. Kirk Person.

REVIEWING / EDITING

Member, Editorial Board, American Journal of Human Biology (since 2016) [also listed in Service]

Ad-hoc reviewer for the following journals (in alphabetical order):

- Addiction (2013)
- American Journal of Human Biology (2011-2018)
- American Journal of Medical Genetics Part B: Neuropsychiatric Genetics (2016)
- BMC Health Services Research (2017)
- BMC Research Notes (2015-2016)
- Communications in Statistics Theory and Methods (2012)
- International Journal of Drug Policy (2017)
- International Journal of General Medicine (2011)
- Journal of Applied Statistics (2013)
- Journal of Biometrics and Biostatistics (2013)
- Journal of Psychoactive Drugs (2012)
- Obesity (2017)

- SIL Electronic Survey Reports (2012)
- Statistics in Medicine (2013)

Abstract reviewer, Epidemiology Section, American Public Health Association 2018 Annual Meeting Abstract reviewer, APHA-Council of Affiliates Program, American Public Health Association 2018 Annual Meeting

Ad-hoc reviewer for the following grant applications:

- BSOM Translational Research Development Grant (2016)
- Wellcome Trust Research Training Fellowship (2012)

SERVICE	
<u>National</u> 2017-2020	Section Councilor, Epidemiology Section, American Public Health Association (elected)
2016-present	Member, Editorial Board, American Journal of Human Biology (appointed) [also listed in Reviewing]
2010	American Association of Anthropological Genetics – Elections and Nominations Committee (appointed)
Regional 2015	Science Olympiad Invitational Tournament, February 7, 2015, Wright State University (volunteer)
<u>Local</u> 2015	16th Annual Virginia C. Wood Resident Research Forum, April 23, 2015, Sponsored by DAGMEC (Dayton Area Graduate Medical Education Community), Poster Judge (volunteer)
2010-2013	Dayton Chapter of the American Statistical Association – Vice President (two terms) (elected
Wright State U	<u>Jniversity</u>
2017-2019	BSOM Representative on the Faculty Senate Executive Committee
2017-2019	Senator, Faculty Senate (elected)
2018	Medical Student Research Symposium, Poster Judge, Boonshoft School of Medicine (volunteer)
2016-2017	International Program Collaboration Committee (IPCC) (a subcommittee of the International Education Advisory Committee (IEAC), Faculty Senate) (appointed)
2015-2019	Research Committee, Boonshoft School of Medicine (elected, two terms)
2017	Member, Search Committee, Director of Statistical Consulting Center faculty position,

Department of Mathematics and Statistics (appointed)

2016	Medical Student Research Symposium, Poster Judge, Boonshoft School of Medicine (volunteer)
2015-2016	Chair, Search Committee, Collaborative Biostatistician faculty position, Department of Community Health, Boonshoft School of Medicine, Wright State University (appointed)
2016	Research Sub-Specialty Committee, Strategic Plan Committee, Department of Psychiatry, Boonshoft School of Medicine, Wright State University (appointed)
2016	Member, Search Committee, Director of Statistical Consulting Center faculty position, Department of Mathematics and Statistics (appointed)
2015	Strategic Plan "Champion" for "Improving faculty skills in mixed methods research, epidemiology, and biostatistics", Boonshoft School of Medicine, Wright State University (appointed) [resulted in the following webpage: https://medicine.wright.edu/research/analytical-resources]
2015	Medical Student Research Symposium, Poster Judge, Boonshoft School of Medicine (volunteer)
2014-2015	Chair, Data Sharing Committee, Lifespan Health Research Center, Boonshoft School of Medicine (appointed)
2012-2014	Biostatistics Group – Co-leader (with Thaddeus Tarpey, Professor, Department of Mathematics and Statistics) (appointed)
2012	Medical Student Research Symposium, Poster Judge, Boonshoft School of Medicine (volunteer)
2011-2012	Biostatistics Task Force (appointed)
2011-2012	Member, Search Committee, Department of Mathematics and Statistics, Biostatistics faculty position (October 2011 – Spring 2012) (appointed)
2010-2012	Senator, Faculty Senate (June 2010 – June 2012) (elected)
2011	Statistics Program Committee, Department of Mathematics and Statistics, Participated in the development of a track in Biostatistics within the MS in Applied Statistics program (appointed)
2010-2011	Data Sharing Committee, Lifespan Health Research Center, Department of Community Health, Boonshoft School of Medicine (October 2010 – June 2011) (appointed)
SYMPOSIA O	PRGANIZED
2013	Wright State University, First Biostatistics Symposium. April 23, 2013. Organized by Thaddeus Tarpey and Ramzi W. Nahhas.

MEMBERSHIPS

American Statistical Association (member since 2007)

American Public Health Association (member since 2016)

International Biometric Society, East North American Region (2016, not active)

Joint Cephalometrics Experts Group (attendee 2014, 2015, not active)

American Association of Anthropological Genetics (not active)

Society for Craniofacial Genetics (not active)

Honors / Awards

Wright State University Gamma Alpha Chapter of the Delta Omega Honorary Society in Public Health (inducted 2018)

Runner-up, Opioid challenge track, 2018 International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction and Behavior Representation in Modeling and Simulation, July 10-13, 2018, Lehman Auditorium, George Washington University, Washington DC, USA (SBP-BRiMS 2018). Lokala U, Lamy FR, Daniulaityte R, Sheth A, **Nahhas RW**, Roden J, Carlson RG, Yadav S. Global trends, local harms: availability of fentanyl-type drugs on the dark web and accidental overdoses in Ohio. http://sbp-brims.org/2018/about/

2016 Ohio Psychiatric Physicians Foundation (OPPF) Research Award, Runner-Up in the General Member category (Guina J, **Nahhas RW**, Kawalec K, Farnsworth S. Are gender differences in DSM-5 PTSD symptomatology explained by sexual trauma? **Journal of Interpersonal Violence**. 2016, 1-28. DOI 10.1177/0886260516677290. PMID 27827321.)

2014 Ohio Psychiatric Physicians Foundation (OPPF) Research Award, Best in the Resident-Fellow Member category (Guina J, Rossetter SR, DeRhodes BJ, **Nahhas RW**, Welton RS. Benzodiazepines for PTSD: A systematic review and meta-analysis. **Journal of Psychiatric Practice**, 2015, 21(4):281-303. DOI 10.1097/PRA.000000000000091. PMID 26164054.)

CERTIFICATION

2002 Certificate of Applied Linguistics, Graduate Institute of Applied Linguistics, Dallas, TX

TECHNICAL REPORTS / TRAINING MANUALS

- 1. **Nahhas, RW**, Kelsall J, Mann N. 2011. Research and instrument design tool. Chiang Mai: Payap University. 2011. http://li.payap.ac.th/images/stories/survey/RAID-mahidol.pdf (accessed 2/1/2018)
- 2. Tehan TM, **Nahhas RW**. Mpi present and future: A first look at reversing language shift. Linguistics Department Research Paper #309. Chiang Mai: Payap University, <u>2007</u>. [Role: Data collection, data analysis, results interpretation, manuscript preparation]

- 3. Nahhas RW. The steps of language survey: an outline of practical methods. Chiang Mai: Payap University. Much of the contents of this course were adapted from a previous Language Survey course taught at Payap University by Noel Mann, and from SIL International's modular survey courses, Principles of Language Survey (Gary Simons and Ted Bergman, 2001) and Procedures of Language Survey (Colleen Ahland, Katherine Liddle, David Liddle, Michael Ahland, and Jim Meyers, 2004). The contents were compiled, edited, with some parts written by Ramzi W. Nahhas. 2007. http://li.payap.ac.th/images/stories/survey/steps/The%20Steps%20of%20Language%20Survey.pdf (accessed 2/1/2018)
- 4. **Nahhas RW**. Random and non-random sampling for language surveys: methods and implications. Linguistics Department Research Paper #303. Chiang Mai: Payap University. 2007. http://li.payap.ac.th/images/stories/survey/Nahhas%20(2007)%20Random%20and%20Non-Random%20Sampling%20(PYU%20Research%20Paper%20303).pdf (accessed 2/1/2018)
- Nahhas RW. Sociolinguistic survey of Lawa in Thailand. Linguistics Department Research Paper #203. Chiang Mai: Payap University. 2007. http://li.payap.ac.th/images/stories/survey/Sociolinguistic%20Survey%20of%20Lawa%20in%20Thailand.pdf (accessed 2/1/2018)
- Nahhas RW, Mann N. The steps of eliciting and analyzing word lists DRAFT. Chiang Mai: Payap University. 2006. http://li.payap.ac.th/images/stories/survey/Steps%20of%20Word%20Lists.pdf (accessed 2/1/2018)
- 7. **Nahhas RW**. The steps of recorded text testing: a practical guide DRAFT. Chiang Mai: Payap University. 2006. http://li.payap.ac.th/images/stories/survey/Steps%20of%20RTT.pdf (accessed 2/1/2018)
- Nahhas RW. Sociolinguistic survey of Mpi in Thailand. Linguistics Department Research Paper #202. Chiang Mai: Payap University. 2005. http://li.payap.ac.th/images/stories/survey/Sociolinguistic%20Survey%20of%20Mpi%20in%20Thailand.pdf (accessed 2/1/2018)
- 9. **Nahhas RW**. Mixed linear models. Biostat News 3(1). The Ohio State University Biostatistics Program. <u>1999</u>. www.stat.osu.edu/~biostat/newsletters/volume3_1/article_vol3_1.html (*last accessed April 5, 2013*)

ETHNOLOGUE ENTRIES

In Lewis, M. Paul (ed.), 2009. Ethnologue: Languages of the World, Sixteenth edition. Dallas, Tex.: SIL International. Online version: www.ethnologue.com (last accessed April 5, 2013).

Lawa, Eastern [lwl] https://www.ethnologue.com/language/lwl (accessed 2/1/2018)

Lawa, Western [lcp] https://www.ethnologue.com/language/LCP (accessed 2/1/2018)

https://www.ethnologue.com/language/mpz (accessed 2/1/2018)