

## D2D Research Publications, 2016-Present

### PEER-REVIEWED PUBLICATIONS

1. Bakker, C., Koffel, J., & Theis-Mahon, N. (2017). Measuring the health literacy of the Upper Midwest. *Journal of the Medical Library Association: JMLA*, 105(1), 34–43. <http://doi.org/10.5195/jmla.2017.105>
2. Basta, N., Becker, A., Li, Q., & Nederhoff, D. (2019). Parental awareness of Meningococcal B vaccines and willingness to vaccinate their teens. *Vaccine*, 37(4), 670-676. doi: 10.1016/j.vaccine.2018.11.078
3. Baumgarten, L., Labine, L., Dixon, C., Palma, I., Weight, C. (2016). Ability of the general public to accurately estimate survival rates for genitourinary cancer using unrestricted internet searches and online nomograms. *The Journal of Urology*, 195(4), e500. <https://doi.org/10.1016/j.juro.2016.02.1686>
4. Beehler, S., Ahern, J., Balmer, B., Kuhlman, J. (2016). Military families' perceptions of neighborhood characteristics affecting reintegration: Development of an aggregate measure. *Military Behavioral Health*, 5(1), 43-50. <https://doi.org/10.1080/21635781.2016.1243493>
5. Bosley, S., Bellemare, M., York, J., Umwali, L. (2019). Decision-making and vulnerability in a pyramid scheme fraud. *Journal of Behavioral and Experimental Economics*, 80, 1-13. <https://doi.org/10.1016/j.socec.2019.02.011>
6. Burgess-Champoux, T., Rosen, R., Guerrero, K., & Luecke, L. (2015). Assessment of knowledge, attitudes and behaviors associated with legume intake by parents and their children. *Journal of Nutrition Education and Behavior*, 47(4S).
7. Calabrese, A., Cheong, A., Cheung, S., He, Y., Kwon, M., Mansfield, J., Subramanian, A., Yu, D. & Legge, G. (2016). Baseline MNREAD measures of normally sighted subjects from childhood to old age. *Investigative Ophthalmology & Visual Science*, 57, 3836-3843. <http://iovs.arvojournals.org/article.aspx?articleid=2537421>
8. Campagna, J., Baumgarten, L., Labine, L., Palma, I., Albersheim, J., Sathianathen, N., & Weight, C. (2019). Prostate cancer survival estimates by the general public using unrestricted internet searches and online nomograms. *European Urology Focus*, S2405-4569(19)20012-4. doi: 10.1016/j.euf.2019.01.012
9. Campbell, M., Humanki, J., & Zierhut, H. (2017). A novel approach to screening for familial hypercholesterolemia in a large public venue. *Journal of Community Genetics*, 8(1), 35–44. <http://doi.org/10.1007/s12687-016-0285-1>.
10. Chen, C., McGee, C., Rich, T., Prudente, C., Gillick, B. (2017). Reference values of intrinsic muscle strength of the hand of adolescents and young adults. *Journal of Hand Therapy*, 31(3), 348-356. <http://dx.doi.org/10.1016/j.jht.2017.05.012>
11. Cheung, C., Talley, K., McMahan, S., Schorr, E., & Wyman, J. (2019). Knowledge of physical activity guidelines and its association with physical activity and physical function in older adults. *Activities, Adaptation & Aging*. DOI: 10.1080/01924788.2019.1591152
12. Eder, M., Patten, C., Brockman, T., Hendricks, D., Valdez Soto, M., Zavala Rocha, M., Amelang, M., Balls-Berry, J. (2019). Public feedback on a proposed statewide virtual translational research community. *Journal of Clinical and Translational Science*. <https://doi.org/10.1017/cts.2019.417>
13. Ferland, L., Huffstutler, T., Rice, J., Zheng, J., Ni, S., & Gini, M. (2019). Evaluating older users' experiences with commercial dialogue systems: Implications for future design and development. *arXiv preprint arXiv:1902.04393*.
14. Flynn, P., John, M., Naik, A., Kohli, N., VanWormer, J., Self, K. (2016). Psychometric properties of the English version of the Oral Health Literacy Adults Questionnaire. *Community Dental Health*, 33, 274-280.
15. Grey, K., Hook, K., Polcari, I., Maguiness, S. (2017). Perceptions and practices regarding atopic dermatitis: A survey. *Pediatric Dermatology*, 34(4), 488-491. doi: 10.1111/pde.13162.
16. Gross, A., Kaizer, A., Vock, D., Siddiqui, S., & Fox, C. (2019). Cognitive, emotional, and behavioral contributors to early childhood weight status. *Journal of Child Health Care*. doi: 10.1177/1367493519852462.
17. Helwig, N., Sohre, N., Ruprecht, M., Guy, S., Lyford-Pike, S. (2017). Dynamic properties of successful smiles. *PLoS ONE*, 12(6), e0179708. <https://doi.org/10.1371/journal.pone.0179708>

18. Holst-Wolf, J., Yeh, I., & Konczak, J. (2016). Development of proprioceptive acuity in typically developing children: Normative data on forearm position sense. *Frontiers in Human Neuroscience*, *10*(436), doi: 10.3389/fnhum.2016.00436.
19. Jiang, M., Francis, S. M., Srishyla, D., Conelea, C., Zhao, Q., & Jacob, S. Classifying Individuals with ASD Through Facial Emotion Recognition and Eye-Tracking.
20. Labine, L., Dixon, C., Palma, I., Hoff, G., Weight, C. (2016). PD17-01 Interpretation of a surgeon scorecard by the general public and its effect on surgeon selection. *The Journal of Urology*, *195*(4), e399. doi: <http://dx.doi.org/10.1016/j.juro.2016.02.1166>.
21. Lenne, R., Panos, M., Auster-Gussman, L., Scherschel, H., Zhou, L., Mann, T. (2017). Behavioral compensation before and after eating at the Minnesota State Fair. *Appetite*, *118*, 113-119. <https://doi.org/10.1016/j.appet.2017.07.025>
22. Lewandowski, E., Caldwell, W., Elmquist, D., Oberhauser, K., (2017). Public perceptions of citizen science. *Citizen Science: Theory and Practice*, *2*(1), 3. doi: <https://doi.org/10.5334/cstp.77>
23. Logan, J., Nederhoff, D., Koch, B., Griffith, B., Wolfson, J., Awan, F., Basta, N. (2018). 'What have you HEARD about the HERD?' Does education about local influenza vaccination coverage and herd immunity affect willingness to vaccinate? *Vaccine*, *36*(28), 4118-4125. doi: 10.1016/j.vaccine.2018.05.037.
24. Lyford-Pike, S., Helwig, N., Sohre, N., Guy, S., & Hadlock, T. (2018). Predicting perceived disfigurement from facial function in patients with unilateral paralysis. *Plastic and Reconstructive Surgery*, *142*(5), 722e-728e. doi: 10.1097/PRS.0000000000004851
25. Marsh, B., Sathianathan, N., Teipaul, R., Albersheim-Carter, J., Bearrick, E., & Borofsky, M. (2019). Public perceptions in the influence of diet and kidney stone formation. *Journal of Endourology*. doi: 10.1089/end.2019.0010
26. Mejia, K. and Yarosh, S. (2018). A nine-item questionnaire for measuring the social disfordance of mediated social touch technologies. *PACM on Human-Computer Interaction*, *1*(1), Article 77. <https://doi.org/10.1145/3134712>
27. Meuwissen, A., Anderson, J., Zelazo, P. (2016). The creation and validation of the Developmental Emotional Faces Stimulus Set. *Behavior Research Methods*. doi: 10.3758/s13428-016-0756-7
28. Naik, A., John, M., Kohli, N., Self, K., Flynn, P. (2016). Validation of the English-language version of 5-item Oral Health Impact Profile. *Journal of Prosthodontic Research*, *60*(2), 85-91. <http://www.ncbi.nlm.nih.gov/pubmed/26795728>
29. Oestreich, M., Gabra, M., Tessier, K., Fok C., Nakib, N., & Fischer, J. (2019). Screening for urinary incontinence in Minnesota women using a validated epidemiologic survey: A cross-sectional study. *The Journal of Urology*, *201*(4). <https://doi.org/10.1097/01.JU.0000556640.64880.f7>
30. Rodas, M. & Roedder John, D. (2019). The secrecy effect: Secret consumption increases women's product evaluations and choice. *Journal of Consumer Research*, *0*, DOI: 10.1093/jcr/ucz041.
31. Rogers, C., Goodson, P., Dietz, L., & Okuyemi, K. (2016). Predictors of intention to obtain colorectal cancer screening among African American men in a state fair setting. *American Journal of Men's Health*, 1-12. doi:0.1177/1557988316647942.
32. Sanstead, E., Basta N., Martin, K., Cruz, V., Ehresmann, K., Kulasingham, S. (2018). Pertussis and the Minnesota State Fair: Demonstrating a novel setting for efficiently conducting seroepidemiologic studies. *Journal of Community Health*, *43*(5), 937-943. doi: 10.1007/s10900-018-0508-y
33. Schellinger, S., Muncon, B., & Kennedy, M. (2018). Public perceptions of traumatic brain injury: Predictors of knowledge and the effects of education. *Brain Injury*, *32*(11), 1377-1385. DOI: 10.1080/02699052.2018.1492737
34. Seiffert, D., McCarthy Veach, P., LeRoy, B., Guan, W., & Zierhut, H. (2019). Beyond medical actionability: Public perceptions of important actions in response to hypothetical genetic testing results. *Journal of Genetic Counseling*. doi: 10.1002/jgc4.1048
35. Self, K., John, M., Prodduturu, S., Kohli, N., Naik, A., Flynn, P. (2018). Acceptability of dental therapists' oral health care. *Journal of Health Care for the Poor and Underserved*, *29*(3), 1135-1152.
36. Shaikh, R., Vogel, R., Nagler, R., Schnaith, A., Lou, E., McRee, A., & Teoh, D. (2019). HPV vaccination among young adults in Minnesota. *Clinical and Health Affairs: Minnesota Medicine*, 38-43.
37. Shen, F., Twedell, E., Opperman, C., Krieg, J., Brandt-Fontaine, M., Preston, J., McTeigue, J., Yasis, A., Carlson, M. (2017). The limited effect of electroencephalography memory recognition evidence on assessments of defendant credibility. *Journal of Law and the Biosciences*, *4*(2), 330-364. <https://doi.org/10.1093/jlb/lbx005>
38. Shen, Francis X. (2018). Are youth sports concussion statutes working? *Duquesne Law Review*, *56*. <https://ssrn.com/abstract=3172294>

39. Stronach, S., Wiegand, S., & Mentz, E. (2019). Brief Report: Autism Knowledge and Stigma in University and Community Samples. *Journal of Autism and Developmental Disorders*, 49(3), 1298-1302. doi: 10.1007/s10803-018-3825-1.
40. Tastad, K., Schleiss, M., Lammert, S., Basta, N. (2019). Awareness of congenital cytomegalovirus and acceptance of maternal and newborn screening. *PLoS ONE*, 14(8), p. e0221725.
41. Teoh, D., Shaikh, R., Schnaith A., Lou, E., McRee, A., Nagler, R., & Vogel, R. (2019). Evaluation of graphic messages to promote human papillomavirus vaccination among young adults: A state wide cross-sectional survey. *Preventative Medicine Reports*, 13, 256-261.
42. Van de Winckel, A., Tseng, Y., Chantigian, D., Lorant, K., Zarandi, Z., Buchanan, J., Zeffiro, T., Larson, M., Olson-Kellogg, B., Konczak, J., Keller-Ross, M. (2017). Age-related decline of wrist position sense and its relationship to specific physical training. *Frontiers in Human Neuroscience*, 11, 570. <http://doi.org/10.3389/fnhum.2017.00570>
43. Van de Winckel, A., Tseng, Y., Chantigian, D., Lorant, K., Zarandi, Z., Buchanan, J., Konczak, J., Zeffiro, T., Olson-Kellogg, B., Larson, M., Keller-Ross, M. (2017). Mapping age-related changes in wrist proprioception. *Archives of Physical Medicine and Rehabilitation*, 98(10), e80-e81.
44. Wang, Y., Tran, T., Firl, K., Huang, N., Yasin, O., van Kuijk, F. & Monetzuma, S. (2019). Quantitative fundus autofluorescence in smokers compared to non-smokers. *Experimental Eye Research*, doi: 10.1016/j.exer.2019.04.004
45. Wood, M., Raisanen, T., Polcari, I. (2017). Observational study of free public sunscreen dispenser use at a major US outdoor event. *Journal of the American Academy of Dermatology*, 77(1), 164–166. doi: <http://dx.doi.org/10.1016/j.jaad.2017.02.034>
46. Yarosh, S., Thompson, S., Watson, K., Chase, A., Senthilkumar, A., Yuan, Y., & Bernheim Brush, A. (2018). Children asking questions: Speech interface reformulations and personification preferences. In Proceedings of the 17th ACM Conference on Interaction Design and Children (IDC '18). ACM, New York, NY, USA, 300-312. doi: <https://doi.org/10.1145/3202185.3202207>
47. Yarosh, S., Mejia, K., Unver, B., Wang, X., Yao, Y., Campbell, A., Holschuh, B. (2018). SqueezeBands: Mediated social touch using shape memory alloy actuation. *PACM on Human-Computer Interaction*, 1(2), Article 116. <https://doi.org/10.1145/3134751>
48. Yun-Chen Chan, J., & Mazzocco, M. (2017). Competing features influence children's attention to number. *Journal of Experimental Child Psychology*, 156, 62-81.
49. Zahid, A., Davey, C., Reicks, M. (2017). Beverage intake among children: Associations with parent and home-related factors. *International Journal of Environmental Research and Public Health*, 14(8), 929. doi: 10.3390/ijerph14080929
50. Zahid, A. & Reicks, M. (2018). A newsletter/text message intervention promoting beverage-related parenting practices: Pilot test results. *Health Promotion Practice*. <https://doi.org/10.1177/1524839918779381>

## MANUSCRIPTS IN REVIEW

1. Park, H. In Review at RI: Small: High Fidelity Social Signal Reconstruction in Daily Living Space NSF Robust Intelligence (IIS) Core Program.
2. Yu, Z., Yoon, J., Venkatesh, P., Park, J., Yu, J., & Park, H. HUMBI 1.0: Human Multiview Behavioral Imaging Dataset. Cornell University.
3. Yun-Chen Chan, J., Praus-Singh, T., & Mazzocco, M. (2019). Parents' and young children's attention to mathematical features varies across play materials. *Early Childhood Research Quarterly*.

## STUDENT DISSERTATIONS AND THESES

1. Humanski, J. (2017). A Novel Approach to Screening for Familial Hypercholesterolemia in a Large Public Venue. Master's Thesis.
2. Logan, J. (2017). What have you heard about the herd? A herd immunity and influenza study. Master of Public Health Thesis in Epidemiology. Nicole Basta, Committee Chair.
3. Mejia, K. (2017). A nine-item questionnaire for measuring the social disfordance of mediated social touch technologies. Master of Science in Mechanical Engineering. Svetlana Yarosh, Advisor. Retrieved from the University of Minnesota Digital Conservancy, <https://conservancy.umn.edu/handle/11299/190590>
4. Palm, B. (2017) Metalinguistic Skills in Children with ADHD. Master's Thesis. Lizbeth Finestack, Advisor.

5. Saykao, S. (2016). Knowledge, Attitudes, and Beliefs of Agritourism and Zoonotic Diseases among Minnesota State Fair Attendees, 2016. Master's Thesis. Completed in collaboration with Carrie Klumb and Dr. Stacy Holzbauer, Minnesota Department of Health.
6. Schroepfer, K. (2019). New Form for your Newborn: Investigating the Public's Comprehension of and Preference for Newborn Screening Report Formats. Master's Thesis.
7. Seiffert, D. (2015-16). Investigating the Public's Views of Actionability Based on Whole Genome Sequencing Results. Master's Thesis.
8. Zahid, A. (2017). Promotion of healthy beverage practices by parents of children (6-12 years). University of Minnesota Dissertation. Retrieved from the University of Minnesota Digital Conservancy, <https://conservancy.umn.edu/handle/11299/191450>.
9. Zhou, L. (2016). Food Sharing and Consumption in an Unstructured Eating Environment. University of Minnesota Undergraduate Honors Thesis in Psychology. Retrieved from the University of Minnesota Digital Conservancy, <http://hdl.handle.net/11299/181421>.

## **CONTACT INFORMATION**

Ellen Demerath, PhD, Co-Director, 612-624-8231

Logan Spector, PhD, Co-Director, 612-624-9312

Annie Hotop, Manager, 612-626-8590

Email: [d2d@umn.edu](mailto:d2d@umn.edu)

Website: [d2d.umn.edu](http://d2d.umn.edu)