

Yan Zhang

Associate Professor of Professional Practice and Statistician

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Education

- Doctor of Philosophy, Health Services Research, Old Dominion University, Virginia, U.S.A.
- Master of Medicine, Acupuncture and Meridian Research, China Academy of Chinese Medical Sciences, P.R. China
- Bachelor of Medicine, Acupuncture and Moxibustion, Beijing University of Traditional Chinese Medicine, P.R. China

Courses Taught

- HCHS 80213 Quant/Qual Methods (new course): Doctoral Level, 3-credit
- HCHS 80233 Advance Statistics (new course): Doctoral Level, 3-credit
- HCHS 80223 Intermediate Statistics (new course): Doctoral Level, 3-credit
- HCHS 70233 Scientific and grant writing (new course): Doctoral Level, 3-credit

Areas of Focus

- Research methodology, program evaluation and statistical analysis planning
 - [Consultation Request Link](#)
(https://tcu.co1.qualtrics.com/jfe/form/SV_9uWRu6BDFbdcz1X)
- Secondary data analysis of large datasets such as NHIS, BRFSS, etc.
- Integrative medicine and health intervention and assessment (e.g. acupuncture, yoga, and other mind-body approaches)
- Other interests: health behaviors, chronic conditions, cancer survivorship

Select Publications (in the past 5 years, more can be seen at

<https://www.ncbi.nlm.nih.gov/myncbi/1LiB9MRFd6ZQR/bibliography/public/>)

- Jeff A. Dennis, **Yan Zhang**, Fangyuan Zhang, (2020, forthcoming) Gender differences in stroke hospitalization incidence, 30-day mortality, and readmission in a regional medical center in the southwestern United States, Southern Medical Journal
- Jeff A. Dennis, **Yan Zhang**, Samantha Curtis, Jean-Michel Brismée, and Phillip S. Sizer (2020, in press). Conventional and Complementary Health Care Approaches Used by American Adults Reporting Joint Pain: Patterns from the National Health Interview Survey 2012. The Journal of Alternative and Complementary Medicine. Online Ahead of Print: August 4, 2020, <http://doi.org/10.1089/acm.2020.0237>
- Wu IX, Lam VC, Ho RS, Cheung WK, Sit RW, Chou LW, **Zhang Y**, Leung TH, Chung VC. Acupuncture and related interventions for carpal tunnel syndrome: systematic

review. Clin Rehabil. 2020 Jan;34(1):34-44. doi: 10.1177/0269215519877511. Epub 2019 Sep 26. PubMed PMID: 31556315.

- Felicity L Bishop, Romy Lauche, Holger Cramer, Jonquil W Pinto, Brenda Leung, Helen Hall, Matthew Leach, Vincent CH Chung, Tobias Sundberg, **Yan Zhang**, Jane Frawley, Amie Steel, Lesley Ward, David Sibbritt, Jon Adams. 2019 Complementary and alternative medicine use motivates health behavior change: An analysis of the National Health Interview Survey 2012, *Medicina (Kaunas)*. 2019;55(10):632. Published 2019 Sep 24. doi:10.3390/medicina55100632
- Charlene HL Wong, Irene XY Wu, William KW Cheung, Robin ST Ho, Matthew Leach, Wenbo Peng, **Yan Zhang**, Justin Wu, and Vincent Chung (2019) Impact of evidence-based healthcare education for Chinese medicine practitioners: A pre-post evaluation, *Complementary Therapies in Medicine*, 2019 Aug;45:38-44. doi: 10.1016/j.ctim.2019.05.004. Epub 2019 May 18. PubMed PMID: 31331580.
- Lena Grönblom Lundström, Ulrika Aasa, **Yan Zhang**, Tobias Sundberg, Health care in light of different theories of health – a proposed framework for integrating biomedical and humanistic social perspectives in health care. *J Integr Med*. 2019 Sep;17(5):321-327. doi: 10.1016/j.joim.2019.06.001. Epub 2019 Jun 6. Review. PubMed PMID: 31255514. [Abstract]
- **Yan Zhang**, Jeff Dennis, Felicity Bishop, Holger Cramer, Mathew Leach, Romy Lauche, Tobias Sundberg, Brenda Leung, Anthony L. Zhang, Luke Bacon, David Sibbritt and Jon Adam (2019) Complementary and Alternative Medicine Use by U.S. Adults with Arthritis: Results from the 2012 National Health Interview Survey" *PM&R* 2019 Oct;11(10):1059-1069. doi: 10.1002/pmrj.12124. Epub 2019 May 9.
- **Zhang Y**, Lauche R, Sibbritt D, Olaniran B, Cook R, Adams J, Comparison of Health Information Technology Use Between American Adults With and Without Chronic Health Conditions: Findings From The National Health Interview Survey 2012, *J Med Internet Res* (2016 IF:5.175. ranked #1 in the Medical Informatics discipline, and #4 in the large Health Sciences + Health Services research category) 2017;19(10):e335 URL: <http://www.jmir.org/2017/10/e335>. DOI: 10.2196/jmir.6989
- **Yan Zhang**, Jeff Dennis, Mathew Leach, Felicity Bishop, Holger Cramer, Vincent Chung, Craig Moore, Romy Lauche, Ron Cook, David Sibbritt Jon Adam (2017) Complementary and Alternative Medicine Use by U.S. Adults with headache or migraine: Results from the 2012 National Health Interview Survey, *Headache, the Journal of Head and Face Pain*, doi: 10.1111/head.13148, PMID: 28742215 [Abstract]
- **Yan Zhang**, Jenifer Phy, Chris Scott-Johnson, Sheila Garos, Jennie Orlando, Samuel Prien, Jaou-Chen Huang, Effects of a Delphi Consensus Acupuncture Treatment Protocol on the Levels of Stress and Vascular Tone in Women Undergoing In-Vitro Fertilization: A Randomized Clinical Trial Protocol, *BMC Complementary and Alternative Medicine*. 2017, 17:197, DOI: 10.1186/s12906-017-1693-4, PMID: 28376836 [Abstract]
- **Zhang Y**, Leach M, Bishop F, Leung B. (2016) A comparison of the characteristics of acupuncture-preferred consumers and non-acupuncture preferred consumers: a secondary analysis of NHIS 2012 data, *Journal of Alternative and Complementary Medicine*, 2016

Apr;22(4):315-22. doi: 10.1089/acm.2015.0244. Epub 2016 Mar 22. PMID: 27003512 [Abstract]

- **Zhang, Y.**, Leach, M., Hall, H., Sundberg, T., Ward, L., Sibbritt, D., Adams, J., (2015). Differences between male and female consumers of complementary and alternative medicine in a national U.S. population: a secondary analysis of 2012 NHIS data. Evidence-Based Complementary and Alternative Medicine, Volume 2015, Article ID 413173, 10 pages, <http://dx.doi.org/10.1155/2015/413173>, PMID: 25861360. [Abstract]

Selected Presentations (in the past 5 years, * presenter)

- **Yan Zhang*** (invited speaker): Business of Integrative Medicine Questionnaire: Clinical Services Preliminary Report-An Update, Zoom presentation at Academic Consortium for Integrative Medicine & Health Working Group Joint Meeting, August 10, 2020
- **Yan Zhang**, Jeff Dennis*, Romy Lauche, Holger Cramer, and Niki Munk, Increasing Trend of Yoga Practice among US Adults: The findings from NHIS 2002 to 2017. Poster Presentation at APHA 2019 annual meeting, Philadelphia, Nov. 2-6 2019.
- **Yan Zhang*** (Invited Speaker), Acupuncture and Pain Management at SOGRA 2019 Annual Conference, San Antonio, September 27 2019
- Jeff Dennis*, Yan Zhang, and Samantha Curtis, Complementary and alternative medicine use among individuals with acute and chronic joint pain: Findings from NHIS 2012, poster presentation at APHA's 2018 Annual Meeting & Expo, San Diego CA, November 10 - 14 2018
- Irene XY Wu*, Victor CK Lam, Robin ST Ho, William KW Cheung, Regina WS Sit, Li-Wei Chou, **Yan Zhang**, Samuel YS Wong, Vincent CH Chung, Acupuncture and related interventions for Carpal Tunnel Syndrome: An Updated Systematic Review, poster presentation at International Conference on Brain Research in Chinese Medicine: Degeneration and Repair, Hong Kong, 26-28 July, 2018
- **Zhang Y***, Phy JL, Orlando J, Garos S., Penrose L., Prien S., and Huang J., Effects of a Delphi Consensus Acupuncture Treatment Protocol on the Levels of Stress and Vascular Tone in Women Undergoing In-Vitro Fertilization: A Randomized Clinical Pilot Study Preliminary Findings, poster presentation at 2018 International Congress on Integrative Medicine & Health, Baltimore, May 7-11 2018
- **Yan Zhang***; Renée J. Bogschutz and Betsy Jones, Showcase of collaboration between Integrative Medicine and Inter-professional Education, poster presentation at 2018 International Congress on Integrative Medicine & Health, Baltimore, May 7-11 2018
- J. L. Phy*, J. Orlando, Y. **Zhang**, S. Garos, L. Penrose, S. Prien, J. Huang, Effect of acupuncture on vascular biomarkers and psychological well-being of women undergoing IVF, poster presentation at American Society for Reproductive Medicine Congress, San Antonio, October 28-November 1, 2017
- Taylor H*. Lindgren, David Trotter, Ron Cook, **Yan Zhang**, Evaluation of the Patient-Centered Medical Home in a Family Medicine setting in Lubbock, Texas, poster presentation at STFM annual conference, San Diego CA, May 5-9 2017

- **Zhang Y***, Tochterman A, Willnauer C. (2016). Headache sufferers and their use of CAM: Preliminary findings from NHIS 2012. Poster presentation at International Congress on Integrative Medicine and Health (ICIMH) 2016, Las Vegas, May 17-20
- Chwan-Li Shen, Shengping Yang, Jean-Michael Brismee, Peihuan Tsai, Ming-Chien Chyu, **Yan Zhang**, Jia Han, Matthew E. Lambert, Investigation Of Gait Disturbance And Grip Strength In A Rural Cohort: A Project Frontier Study, poster at the 2015 American College of Sports Medicine (ACSM), San Diego, California, May 26- 30, 2015.
- S. Fussner , **Y. Zhang** , R. smalligan , E. MacLaughlin , R. M. Bharadwaj, Effectiveness of educational interventions for practice behavior changes in dealing with fall risks in the geriatric population, poster at the 2015 Annual Scientific Meeting of the American Geriatrics Society, National Harbor, MD, May 16, 2015.
- Armaity Austin, Roberta Weintraut, **Yan Zhang**, Kim Peck, Using Integrative Medicine to Enhance Student Experience in Family Medicine and the PCMH, Lecture-Discussion at the 48th STFM Annual Spring Conference, Orlando FL, April 25-29, 2015

Honors & Awards

- 2014-current: Visiting Fellow: International Complementary Medicine Research Leadership and Capacity Building Program. Australia Research Center for Complementary and Integrative Medicine, University of Technology at Sydney, Sydney, Australia
- 2014: President's Excellence in Inter-professional Teamwork Award, Texas Tech University Health Sciences Center
- 2011: Geriatrics Teaching Scholar Award, Texas Tech University Health Sciences Center,

Professional Certification and Licensure

- Certified Diplomate: National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM): Acupuncture (Dipl. Ac.) and Oriental Medicine (Dipl. O.M.)
- Texas Licensed Acupuncturist: Texas Medical Board (AC01048 active)

Professional Affiliations

- Member: Consortium of Academic Health Centers for Integrative Medicine

Professional Services

- Associate Editor: BMC Complementary Medicine and Therapies
- Editorial Board Member: Evaluation & the Health Professions