

Zhuo (Adam) CHEN, PhD MS MMgt
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Citizenship: United States

I. Academic History

1. Unit: Department of Health Policy & Management, College of Public Health, University of Georgia, Athens, Georgia
2. Present Rank: Associate Professor (tenure track)
3. Allocation of efforts (%time) assignments: 47.5% instruction, 47.5% research, 5% service
4. Tenure-track: August 2017 – present
5. Administrative title: None
6. Graduate Faculty status: October 13, 2017 – Present
7. Degrees: PhD, Iowa State University, Department of Economics, 2004
MS, Iowa State University, Statistics, 2002
MMgt, University of Sciences and Technology of China, Management Science, 1999
BS, University of Science and Technology of China, Management Science, 1996
8. List of academic positions in chronological order with titles and inclusive dates:
 - 1) *Associate Professor in Health Policy and Management* (August 1, 2017–): University of Georgia, Athens, Georgia, USA
 - 2) *Li Dak Sum Chair Professor in Health Economics* (June 1, 2017– May 31, 2020): School of Economics, University of Nottingham Ningbo China (0.2FTE, summer)
9. Other professional employment (current and previous), dates
 - 1) *Senior Economist and Senior Service Fellow* (January 16, 2011–May 31, 2017): U.S. Centers for Disease Control and Prevention (CDC), U.S. Department of Health and Human Services
 - 2) *Economist and Senior Service Fellow* (May 25, 2008–January 15, 2011): CDC
 - 3) *Prevention Effectiveness Fellow* (July 9, 2006 –May 24, 2008): CDC Office of Workforce and Career Development and Office of Strategy and Innovation
 - 4) *Part-time Instructor/Assistant Professor* (January 1, 2007 – Dec. 31, 2008): School of Economics, Georgia Institute of Technology
 - 5) *Postdoctoral Scholar* (September 1, 2005–July 31, 2006), *Visiting Scholar* (August 1, 2006–Dec. 31, 2007): The Chicago Center of Excellence in Health Promotion Economics, Pritzker School of Medicine, The University of Chicago
 - 6) *Postdoctoral Research Associate* (August 8, 2004–August 31, 2005): Department of Agricultural Economics, University of Tennessee, Knoxville
10. Post-graduate awards (fellowships, lectureships, etc.)
 - 1) *Associate* (2014–Present): China Research Center, Atlanta, Georgia

- 2) *Research Fellow* (2017–): Institute of Asia and Pacific Studies, University of Nottingham Ningbo China
- 3) 2016: Excellence in Diversity Civilian Award: Federal Asian Pacific American Council
- 4) 2013: Winner, CDC Excellence in Behavioral and Social Science Research Award for paper “Chen Z, Crawford Gotway CA. The Role of Geographic Scale in Testing the Income Inequality Hypothesis as an Explanation of Health Disparities. *Social Science & Medicine* 2012;75:1022-1031
- 5) 2013: Nominated for CDC Shepard Award: for paper “Chen Z, Roy K., Gotway Crawford CA. Obesity Prevention: The Impact of Local Health Departments. *Health Services Research*. 2013, 48(2):603-627.”
- 6) 2010/2011: Finalist, CDC Kaafee Billah Memorial Award for Health Economics
- 7) 2010/2011: Recognized as “Exceptional Reviewer” by *Medical Care*
- 8) 2008/2009: Marquis Who's Who
- 9) 2006: *Nominated for the ACCI Applied Consumer Economics Award*. [Cho S., Chen Z, Yen ST, Eastwood DB. “The effects of urban sprawl on body mass index: where people live does matter?” presented at the 52nd Annual Conference of the American Council on Consumer Interests. March 15-18, 2006, Baltimore, MD]

II. Instruction

1. Courses Taught, including title, enrollments, and credit hours

<u>Course</u>	<u>Title</u>	<u>Enrollments</u>	<u>Credit Hrs</u>
<i>Spring 2020</i>			
HPAM 3500E	Introduction to Healthcare Management	45 (2 sections)	135
HPAM 3750	Special topics (directed study)	1	3
<i>Fall 2019</i>			
HPAM 3500E	Introduction to Healthcare Management	53 (2 sections)	159
HPAM 8000	Special topics (directed study)	1	3
<i>Spring 2019</i>			
HPAM 8900	Economic Evaluation	22	66
HPAM 4600	Advanced Health Policy	15	45
HPAM 3750	Special topics (directed study)	1	4
<i>Fall 2018</i>			
HPAM 8700	Management of Public Health Org.	17	51
HPAM 3500	Introduction to Healthcare Management	14	42
<i>Spring 2018</i>			
HPAM 8700	Management of Public Health Org.	14	42
HPAM 3500	Introduction to Healthcare Management	16	48
<i>Fall 2017</i>			
HPAM 7001	Foundations in Health Policy & Mgt.	14	1.68
<i>2007-2008</i>			
ECON 4010	Economic Forecasting (Georgia Tech)		

During August 2017-May 2020, Dr. Chen has generated 599.68 credit hours in total.

2. Development of new courses or significant revision of courses

- 1) Introduction to Healthcare Management (HPAM 3500) – 3cr

- 2) Advanced Health Policy (HPAM 4600) – 3cr
- 3) Economic Evaluation (HPAM 8900) – 3cr
- 4) First Year Odyssey Seminar (FYOS 1001)

3. Supervision of Graduate Student Research

<u>Student</u>	<u>Term</u>	<u>Degree Program</u>
Gibril Njie	Dec. 2020 (Expected)	Dr.PH
Jaiwoo (Liam) Chung	Dec. 2020 (Expected)	MPH
Wei Jiang (University of Nottingham Ningbo China)	June 2022 (Expected)	PhD (Economics)

4. Graduate Student Advisory Committee Membership

<u>Student</u>	<u>Term</u>	<u>Degree Program</u>
Justin Ingels	July 2020 (Expected)	PhD (Epidemiology)
Orazio Slayton	December 2020	DrPH

5. Supervision of Undergraduate Research, including thesis status, period of supervision, current placement of student

<u>Student</u>	<u>Period of supervision</u>	<u>Status</u>
Asim Ahmed	Jan. – Dec. 2019	UGA student
Ashley Huggins	Spring 2020	Washington Univ. Medical School
<i>University of Nottingham Ningbo China</i>		
Ziyin Han	2018-2019	LSE Master Program
Guanqi Hong	2019-2020	To be admitted, LSE
Simiao Sun	2019-2020	To be admitted, UCL

6. Internship supervision

<u>Student</u>	<u>Term</u>	<u>Degree Program</u>
Yuanhang Xi	Summer 2020	MPH

7. Instructional Grants Received (dates, dollar amounts [total & amount to the candidate], investigator status)

UGA Enrichment Fund:

- 1) Spring 2019: \$80
- 2) Fall 2018: \$190
- 3) Spring 2018: \$90

8. Recognitions and Outstanding Achievements (prizes, fellowships, awards won by your students etc.)

- 1) *Fellow* (2018-2019): Teaching Academy Fellowship Program, University of Georgia

9. Academic Advising

Not Applicable

10. Guest lectures

- 1) GLOB 8900 (Instructor: Sekandi): Foundation of Global Health, “Principles and Applications of Economic Evaluation”, October 12, 2017

- 2) HPAM 8900 (Instructor: Ingles): Economic Evaluation, “US Health Regulatory Impact Analysis: Why and How”, April 24, 2018

11. Professional development

Affiliate, UGA Owens Institute for Behavioral Research, 2019 to present

Affiliate, UGA Health Informatics Institute, 2017 to present

Member, UGA Obesity Initiative, 2019 to present

III. Scholarly Activities/Creative Work

1. Publications (* indicate joint first-authors; † indicate corresponding author(s); and ‡ indicates students or mentees)

a. Chapters in books

- 1) Meltzer DO, Chen Z. The impact of minimum wage rates on body weight in the United States, in *Economic Aspects of Obesity*. Grossman M, Mocan N. eds, pp 17-34. The University of Chicago Press, May 1, 2011. (National Bureau of Economic Research book series) (refereed)
- 2) Chen Z, Yen ST, Eastwood DB. Changing health inequality in China: The role of relative income. in *Investing in Human Capital for Economic Development in China*, Liu G.G., Zhang S., Zhang Z. eds, pp 261-276. Chapter 15, World Scientific Publishing Company, April 15, 2010. (refereed)
- 3) Roy, K., Chen Z., Haddix AC., Prevention Effectiveness. in *Principles of Public Health Practice*, 3rd edition, pp 307-325, Chapter 13, Cengage Learning, Inc, Florence, Kentucky, 2009.
- 4) Chen Z., Huffman WE. Measuring county-level technical efficiency of Chinese agriculture: a spatial analysis. Book Chapter, included in *China's Agricultural Development: Challenges and Prospects*, pp.152-172. Edited by X-Y. Dong, S. Song, & X. Zhang, Ashgate Publishing Limited, UK. 2006. (refereed)

b. Journal Articles (Referred)

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- 5) Zhou Y, Chen Z, Shaw I, Wu X, Liao S, Qi L, Huo L, Liu Y, Wang R. Association between social participation and cognitive function among middle- and older-aged Chinese: a fixed-effects analysis. Accepted, *Journal of Global Health*
 - 6) Jiang S, Chen Z, Wu J, Zang X, Jiang Y. Addressing methodological and ethical issues in practicing health economic evaluation in China. *Journal of Global Health*, 2020, 10(2), 020322, 10.7189/jogh.10.020322
 - 7) Liu S*, Chen Z*, Han L*, Dong W, Li L, Koplan J, Wu J, Li X. Integrated multisectoral non-communicable disease prevention and control in China: a review of agencies and policies. *Journal of Global Health*, 2020, 10(2), 020304, doi: 10.7189/jogh.10.020304
 - 8) Yang W, Wu B, Tan S Y, Li B, Lou V, Chen Z, Chen X, Fletcher J, Carrino L, Hu B, Zhang A, Hu M, Wang Y. Understanding health and social challenges for ageing and long-term care in China. *Research on Aging*, 2020, <https://doi.org/10.1177/0164027520938764>
 - 9) Rajbhandari-Thapa J, Ingels J, Chung S, Thapa K, Chen Z, Zhang D. Inpatient Obesity Diagnosis, Use of Surgical Treatment and Associated Costs by Payer Type: Analysis of the National Inpatient Sample, 2011 through 2014. *Clinical Obesity* 2020;e12385. <https://doi.org/10.1111/cob.12385>

- 10) Jiang S, Chen Z, Wu T, Wang H. Collective Pharmaceutical Procurement in China May Have Unintended Consequences in Supply and Pricing, *Journal of Global Health* 2020;10(1) 010314. doi: 10.7189/jogh.10.010314.
- 11) Luo, H., Chen, Z., Bell, R., Rafferty, A. P., Gaskins Little, N. R., & Winterbauer, N. Health Literacy and Health Behaviors Among Adults With Prediabetes, 2016 Behavioral Risk Factor Surveillance System. *Public Health Reports* 2020, <https://doi.org/10.1177/0033354920927848>
- 12) Nong S, Chen Z.[†] Whither the Roads lead to? Estimating Association between Urbanization and Primary Healthcare Service Use with Chinese Prefecture-level Data in 2014, *PLoS ONE* 2020; 15(6): e0234081. <https://doi.org/10.1371/journal.pone.0234081>
- 13) Liu L, Qian X, Chen Z, He T. Health Literacy and its Effect on Chronic Disease Prevention: Evidences from China's Data. *BMC Public Health*, 2020, 20, 690. <https://doi.org/10.1186/s12889-020-08804-4>
- 14) Chen Z., Cao C. & Yang G. Coordinated multi-sectoral efforts needed to address the COVID-19 pandemic: lessons from China and the United States. *Glob Health Res Policy* 2020;5, article 22. <https://doi.org/10.1186/s41256-020-00150-7>
- 15) Li G, Zhang D, Chen Z, Feng D, Chen X, Tang S, Son H, Wang Z, Xi Y, Feng Z. (2020). Distribution of malaria patients seeking care in different types of health facilities during the implementation of National Malaria Elimination Programme. *Malar J*, 2020;19(1), 131. doi:10.1186/s12936-020-03205-9
- 16) Chen Z, Zhou L, Jiang S, Haddix A. Identifying Options of Best Value: Use of Economic Evaluation in Public Health. *China CDC Weekly*, 2020;2(5): 75-78. doi:10.46234/ccdcw2020.021
- 17) Zhao M, Liu B, Shan L, Li C, Wu Q, Hao Y, Chen Z, Lan L, Kang Z, Liang L, Ning N. Can integration reduce inequity in healthcare utilization? Evidence and hurdles in China. *BMC Health Services Research*. 2019;Dec;19(1):1-1.
- 18) Wang R, Chen Z, Zhou Y, Shen L, Zhang Z, Wu X. Melancholy or mahjong? Diversity, frequency, type, and rural-urban divide of social participation and depression in middle-and old-aged Chinese: a fixed-effects analysis. *Social Science & Medicine*. 2019 Oct 1;238:112518. <https://doi.org/10.1016/j.socscimed.2019.112518>
- 19) Wang R, Bishwajit G, Zhou Y, Wu X, Feng D, Tang S, Chen Z, Shaw I, Wu T, Song H, Fu Q, Feng Z. Intensity, frequency, duration, and volume of physical activity and its association with risk of depression in middle- and older-aged Chinese: evidence from the China Health and Retirement Longitudinal Study, 2015, *PLoS ONE*, 2019, 14(8): e0221430. <https://doi.org/10.1371/journal.pone.0221430>
- 20) Song H, Zhang D, Chen Z, Wang R, Tang S, Bishwajit G, Chen S, Feng D, Wu T, Wang Y, Su Y, Feng Z. Utilisation of national community-based hypertension monitoring service among Chinese older patients and its impact on hypertension control—a mediation analysis in logistic regression. *BMC Geriatrics*. 2019 vol: 19 (1) pp: 162 <https://doi.org/10.1186/s12877-019-1176-1>
- 21) Wu T, Deng Z, Chen Z, Zhang D, Wang R, Wu X. Predictors of Patients' Intention to Interact with Doctors in Web-Based Health Communities in China: Cross-Sectional Study. *Journal of Medical Internet Research* 2019, doi:10.2196/13693 <http://dx.doi.org/10.2196/13693>
- 22) Li S, Zhang D, & Chen Z[†] (2019). Impact of the New Cooperative Medical Scheme on Individual Healthcare Utilization and Expenditure. *The Chinese Economy*, 52, p488-504. DOI:10.1080/10971475.2019.1617956

- 23) Wu T, Deng Z, Chen Z, Zhang D, Wu X, Wang R. Predictors of patients' loyalty towards doctors on online health communities. *Journal of Medical Internet Research* 2019 (Sep 03); 21(9):e14484. DOI: 10.2196/14484
- 24) Zhou C-H, Tang S-F, Wang X-H, Chen Z, Zhang D, Gao J-L, Ghose B, Feng D, He Z-F, Yaya S, & Feng Z-C. Satisfaction about Patient-centeredness and Healthcare System among Patients with Chronic Multimorbidity. *Current Medical Science*, 2018, 38(1), 184-190.
- 25) Luo H, Chen Z, Xu L, Bell RA. Health care access and receipt of clinical diabetes preventive care for working-age adults with diabetes in states with and without Medicaid expansion: Results from the 2013 and 2015 BRFSS. *Journal of Public Health Management and Practice* 2019, 25(4):e34–e43
- 26) Wang R, Tang S, Shaw I, Feng Z, Chen Z, Luo Y, Song H, Wu T, Fu Q, Fu H, Huang Y, Chen X, Feng D. Integrated Decision-making model for Community-based Rehabilitation service utilisation among persons with Severe Mental Illness in China: Protocol for a cross-sectional mixed-methods study. *BMJ Open* 2018; 8:e021528. doi:10.1136/bmjopen-2018-021528.
- 27) Luo H, Bell RA, Cummings DM, Chen Z. Diabetes Preventive Care Practices in North Carolina, 2000–2015. *Prev Chronic Dis* 2018;15:170316. DOI: <http://dx.doi.org/10.5888/pcd15.170316>
- 28) Chen Z*, Kolor K*, Grosse SD, Rodriguez JL, Lynch JA, Green RF, Dotson WD, Bowen MS, Khoury MJ. Trends in Utilization and Costs of *BRCA* Testing among Women Ages 18-64 Years in the United States, 2003-2014. *Genetics in Medicine* 2018 Apr;20(4):428-434 [nominated for CDC Shepard Award]
- 29) Kolor K, Chen Z, Grosse SD, Rodriguez JL, Green RF, Dotson WD, Bowen MS, Lynch JA, Khoury MJ. *BRCA* Genetic Testing and Receipt of Preventive Interventions among Women Aged 18–64 Years with Employer-Sponsored Health Insurance in Nonmetropolitan and Metropolitan Areas — United States, 2009–2014. *MMWR Surveill Summ* 2017;66(No. SS-15):1–11. DOI: <http://dx.doi.org/10.15585/mmwr.ss6615a1>.
- 30) Athar H, Chen Z, Contreary K, Xu X, Dube SR, Chang MH. Impact of increasing coverage for select smoking cessation therapies with no Out-of-Pocket cost among the Medicaid population in Alabama, Georgia, and Maine. *Journal of Public Health Management and Practice*. 2016, Jan-Feb;22(1):40-7.
- 31) Contreary K, Chen Z, Chattopadhyay SK, Chang M-H. A Review of Tools to Calculate the Cost of Health Conditions and Common Health Risk Factors. *Journal of Public Health Management and Practice*. 2015, Nov-Dec;21(6):E1-E10
- 32) Chen Z, Roy K., Gotway Crawford CA. Obesity Prevention: The Impact of Local Health Departments. *Health Services Research*, 2013, 48(2):603-627. [nominated for CDC Shepard Award]
- 33) Chen Z, Lu M. Income-related Inequalities in Self-assessed Health in Shanghai, China. *The Chinese Economy*, 2013, 46(1):75-86.
- 34) Chen Z, Crawford Gotway CA. The Role of Geographic Scale in Testing the Income Inequality Hypothesis as an Explanation of Health Disparities. *Social Science & Medicine*, 2012;75:1022-1031 [Received CDC Excellence in Behavioral and Social Science Research Award]
- 35) Chen Z, Roy K., Gotway Crawford CA. Evaluation of Variance Estimators for the Concentration and Health Achievement Indices: A Monte Carlo Simulation, *Health Economics*, 2012, 21(11):1375-1381.
- 36) Chen Z, Huffman WE, Rozelle S. Inverse relationship between productivity and farm size: The case of China. *Contemporary Economic Policy*, 2011, 29(4):580-592.

- 37) Chen Z, Zhang Q. Nutrigenomics Hypothesis: Examining the Association between Food Stamp Program Participation and Bodyweight among Low-income Women. *Journal of Family and Economic Issues*, 2011, 32:508-520.
- 38) Zhang Q, Chen Z, Diawara N, Wang Y. Prices of unhealthy foods, U.S. Food Stamp Program participation, and body weight status among low-income women. *Journal of Family and Economic Issues*, 2011, 30:245-256.
- 39) Truman BI, Smith CK, Roy K, Chen Z, Moonesinghe R, Zhu J, Gotway Crawford CA, Zaza S. Rationale for Regular Reporting on Health Disparities and Inequalities — United States. *MMWR (Morbidity and Mortality Weekly Report)*, 2011, 60 (Supplement, January 14): 3-10.
- 40) Song S, Zhu E., Chen Z. Equal Work Opportunity But Unequal Income: Gender Disparities Among Low-Income Households in Urban China, *The Chinese Economy*, 2011, 44(1):40–46.
- 41) Chen Z, Roy K, Gotway Crawford CA. Examining the Role of Gender in Career Advancement at the Centers for Disease Control and Prevention. *American Journal of Public Health* 2010, 100:426-434.
- 42) Chen Z, Roy K, Haddix AC, Thacker SB. Factors associated with differences in mortality and self-reported health across states in the United State. *Health Policy*, 2010, 94: 203-210.
- 43) Cho S-H, Lambert D, Chen Z. Geographically Weighted Regression Bandwidth Selection and Spatial Autocorrelation: An Empirical Example Using Chinese Agriculture Data. *Applied Economics Letters*, 2010, 17(8): 767-772.
- 44) Cho S-H, Chen Z, Poudyal N. Spatial Structure of Agricultural Production in China. *Applied Economics*, 2010, 42(16): 2031-2040.
- 45) Monchuk D, Chen Z., Bonaparte Y. Explaining Production Inefficiency in China’s Agriculture Using Data Envelopment Analysis and Semi-Parametric Bootstrapping. *China Economic Review*, 2010, 21:346-354.
- 46) Chen Z, Roy K, Calculating the Concentration Index with Repetitive Values of Indicators of Economic Welfare. *Journal of Health Economics*, 2009;28:169-175.
- 47) Chen Z, Cho S-H, Poudyal N, Roberts R. Forecasting House Prices under Different Market Segmentation Assumptions. *Urban Studies*, 2009; 46:167–187.
- 48) Yen ST, Chen Z, Eastwood DB. Lifestyle and obesity: a multi-regime switching regression analysis with an endogenous regressor. *Health Services Research*, 2009;44:1345-1369.
- 49) Roy K, Chen Z, Gotway Crawford CA. Economic Perspective on Strategic Human Capital Management and Planning for the Centers for Disease Control and Prevention. *Journal of Public Health Management and Practice*, 2009 November (supplement), 15(6):S79-S89.
- 50) Gotway Crawford CA, Summerfelt WT, Roy K, Chen Z, Meltzer DO, Thacker SB. Perspectives on Public Health Workforce Research. *Journal of Public Health Management and Practice*, 2009, November (supplement), 15(6):S5-S15.
- 51) Chen Z, Huffman WE, Rozelle S. Farm technology and technical efficiency: evidence from four regions in China. *China Economic Review*, 2009;20(2):153-161
- 52) Chen Z, Meltzer DO. Beefing up with the Chans: Evidence for the effects of relative income and income inequality on health from the China Health and Nutrition Survey. *Social Science & Medicine*, 2008; 66:2206-2217.

- 53) Yen ST, Andrews M, Chen Z, Eastwood DB. Food Stamp Program Participation and Food Insecurity: An instrumental variables approach. *American Journal of Agricultural Economics*, 2008; 90(1):117-132.
- 54) Cho S-H, Chen Z, Yen ST. Urban Growth Boundary and Housing Prices: The Case of Knox County, Tennessee. *Review of Regional Studies*, 2008; 38: 29-44.
- 55) Chen Z, Song S. Efficiency and Technology Gap in China's Agriculture: A Meta-Frontier Analysis. *China Economic Review*, 2008;19:287-296.
- 56) Chen Z, Yang Y. Time Series Models for Forecasting: Testing or Combining? *Studies in Nonlinear Dynamics & Econometrics*, 2007;11(1), Article 3.
<http://www.bepress.com/snede/vol11/iss1/art3>
- 57) Chen Z, Development and inequality: an endogenous switching regression approach. *Economics Letters*, 2007;96:269-274.
- 58) Chen Z, Yen ST, Eastwood DB. Does cigarette consumption have a causal effect on weight reduction? *Journal of Family and Economic Issues*, 2007;28:49-67.
- 59) Cho S-H, Chen Z, Yen ST, English B. Spatial variation of input elasticities: Evidence from Chinese county-level agricultural production data. *Papers on Regional Science*, 2007;86(1):139-157.
- 60) Chen Z, Eastwood DB, Yen ST. A decade's story of childhood malnutrition inequality in China: Where do you live does matter. *China Economic Review*, 2007;18:139-154
- 61) Chen Z, Yen ST. Better technology, better plots, or better farmers? Identifying changes in productivity and risk among Malagasy rice farms: A comment. *American Journal of Agricultural Economics*, 2006;88:763-6.
- 62) Cho S-H, Chen Z, Yen ST, Eastwood DB. The effects of urban sprawl on body mass index: where people live does matter. *Consumer Interest Annual*, 2006;52:159-169.
- 63) Cho S-H, Chen Z, Yen ST, Eastwood DB. Estimating Effects of an Urban Growth Boundary on Land Development, Tennessee. *Journal of Agricultural and Applied Economics*, 2006;38:287-298.
- 64) Chen Z, Yen ST. On bias correction in the multivariate sample-selection model. *Applied Economics*, 2005;37:2459-2468.

c. Commentary and Invited Articles (Non-referred)

- 65) Chen Z. Public Health in China: Bull's Nose Ring Or Tail? *China Currents*; 19(2), Article 5.
https://www.chinacenter.net/2020/china_currents/19-2/public-health-in-china-bulls-nose-ring-or-tail/
- 66) Chen Z. COVID-19: A Revelation – A reply to Ian Mitroff, *Technological Forecasting and Social Change* 2020, epub online. <https://doi.org/10.1016/j.techfore.2020.120072>
- 67) Chen Z. Impact of Education, Food Prices, and Availability on Obesity: A Comment. *American Journal of Agricultural Economics* 2011, 93(2): 387-388.
- 68) Chen Z, Hou JW. Guest Editors' Introduction to the Thematic Issue on Family Economic Issues in Developing and Transition Economies. *Journal of Family and Economic Issues* 2009;30:111-2.
- 69) Chen Z, Yen ST, Eastwood DB. Effects of food stamp participation on body weight and obesity. *American Journal of Agricultural Economics* 2005;87:1167-73.

d. Bulletins or Reports

- 70) Xu, Hengqiu; Chen Z. Government and food industry responses to food safety risks in China: the case of Anhui province. May 14, 2015, <http://www.tifsip.org/>.
- 71) Chen Z., Roy K., Haddix AC., Thacker SB. Refining prevention and public health related expenditure. U.S. 2008. CDC *Internal mimeo*.

e. Book Reviews

- 72) Chen Z. Book Review, "[The China-US Partnership to Prevent Spina Bifida – The Evolution of a Landmark Epidemiological Study, by Deborah Kowal](#)", *China Currents*, 2016, 16(1)

f. Works Submitted But Not Yet Accepted

- 73) Chen Z., Ying J, Ingles J, Zhang D, Thapa J, Wang R, Emerson K, Feng Z. Gender Differential Impact of Bereavement on Mental Health and Quality of Life: Evidence from the China Health and Retirement Longitudinal Study, 2011-2015. Submitted to *BMC Psychiatry*
- 74) Emerson K.G., Fan X. Huang H., Pan A*, Chen Z. Disability free life expectancy: A comparison between China and the United States. Under Review at *International Journal of Public Health*

g. Any Others

- 75) Chen Z., Ma Y, About minimum wage system in China, *Journal of China Finance Institute*, Mar. 1997 (p26-29), Reprinted by *Labor Economics and Human Resource Management* Oct. 1997. [Journal article in Chinese]
- 76) Ma Y, Chen Z., Dynamic analysis of technology innovation diffusion system, *Science Progress & Policy* Vol. 15, Issue 4, pp50-51, 1998, Wuhan, China. [Journal article in Chinese]
- 77) Ma Y, Chen Z. Analysis on overeducation in China, *Review on Comparative Education*, Jan. 2000, pp63-65. [Journal article in Chinese]
- 78) Ma Y, Chen Z., Chen G, Modeling diffusion of science advancement and technology innovation, *Journal of Hefei University of Technology*, Vol. 22 Iss 3, pp68-72, 1999, Hefei, China. [Journal article in Chinese]
- 79) Chen Z., Ma Y. A comprehensive analysis of technology innovation dynamic system, *Science, Technology and Management*. Jan 1999, pp63-65. [Journal article in Chinese]

h. Creative Contributions Other than Formal Publications

- 1) Chen Z, "COVID-19 and the Case for Empowering China's CDC", March 27, 2020, Sixth Tone, <http://www.sixthtone.com/news/1005370/covid-19-and-the-case-for-empowering-chinas-cdc>
- 2) Chen Z. "用大数据预测疾病趋势 小心踩到雷区" (Mind the mines in predicting disease trends with big data) May 23, 2014, cn-healthcare. "<http://t1.cn-healthcare.com/article/20140523/content-457618.html>."
- 3) Chen Z. "中医存废无关中西方文化优劣" (The fate of traditional Chinese medicine) July 22, 2014, Sina News <http://finance.sina.com.cn/zl/lifestyle/20140722/073019780028.shtml>.
- 4) Chen Z. "为啥美国香烟在中国卖得便宜" (Why American tobacco products sells cheaper in China) June 10, 2014. Sina News. <http://finance.sina.com.cn/zl/lifestyle/20140610/080919363537.shtml>.

- 8) June 14, 2019, “Income Inequality as a Social Determinant of Opioid Use Disorder”, School of Mathematics, Nanjing Audit University, Nanjing, Jiangsu Province, China.
- 9) June 1, 2019, “Use of Health Technology Assessment in Policymaking in the US and the UK”, 2019, China Hospital Quality Congress, Chengdu, China.
- 10) May 27, 2019, “Income Inequality as a Social Determinant of Opioid Use Disorder”, School of Mathematics, Peking University, Beijing, China.
- 11) June 4, 2019, “Income Inequality as a Social Determinant of Opioid Use Disorder”, School of Public Health, Fudan University, Shanghai, China.
- 12) April 26, 2019, “Income Inequality as a Social Determinant of Opioid Use Disorder”, Department of Applied and Agricultural Economics Seminar Series, Virginia Tech, Blacksburg, Virginia.
- 13) March 13, 2019, “Income Inequality as a Social Determinant of Opioid Use Disorder”, Centre for Health Economics Seminar Series, University of Nottingham Ningbo China.
- 14) November 18, 2018, “Use of Health Economics in Policymaking in the US and the UK”, Forum on Hospital Operation and Innovative Supply Chain Management, China Biomedical Engineering Society, Beijing, China.
- 15) July 4, 2018, “US Health Regulatory Impact Analysis: Agency, Process, and Debate.” School of Public Health, Shandong University, Jinan, Shandong Province, China.
- 16) July 10, 2018, “US Health Regulatory Impact Analysis: Agency, Process, and Debate.” School of Public Health, Peking University, Beijing, China.
- 17) June 27, 2018, “Regulatory Impact Analysis for Health Regulations: Implications for China”, Li Dak Sum Chair Professor Talk Series, Graduate School, University of Nottingham Ningbo China.
- 18) June 19, 2018, “Scientific Writing” in Workshop on Scientific Writing for Clinical Medicine and Public Health, University of Nottingham Ningbo China.
- 19) April 10, 2018, “Evolution of China’s Medicine and Healthcare” Invited lecture at Centre for China Studies, Bucknell University, Pennsylvania, US.
- 20) December, 2017. “US Health Regulatory Impact Analysis: Agency, Process, and Debate.” School of Economics, University of Nottingham Ningbo China.
- 21) September 24-27 2017, “US Health Regulatory Impact Analysis: Agency, Process, and Debate.” The Belt and Road Initiative Global Health International Congress & 2017 Chinese Preventive Medicine Association- Chinese Society on Global Health Annual Meeting. Xi’an, China.
- 22) June 27, 2017. “Regulatory Impact Analysis in the United States.” Regulatory and Health Reform Salon, Beijing, China.
- 23) June 23, 2017. “Regulatory Impact Analysis in the United States: The case of Health Agencies”. Hefei University of Technology, Hefei, Anhui Province, China.
- 24) June 17, 2017. “Economic Evaluation: Introductions and Applications”. Association of Primary Care Physicians of Zhejiang Province, Lishui, Zhejiang Province, China.
- 25) June 9, 2017. “Health Policy-Making in the United States: Do (Federal) Economists Have a Say?” Nanjing Audit University, Nanjing, Jiangsu Province, China.
- 26) September 14, 2014 “The Role of Geographic Scale in Testing the Income Inequality Hypothesis”, Fall seminar series, Department of Economics, Ball State University.
- 27) July 11, 2012, “The Role of Geographic Scale in Testing the Income Inequality Hypothesis as an Explanation of Health Disparities”, CDC Social Epidemiology Method Group, Atlanta, Georgia.

- 28) Feb. 2009, “Variance estimation and decomposition of the Health Achievement Index”, Georgia Tech, Atlanta, Georgia.
- 29) June 4, 2008, “Balancing Efficiency and Equity: Statistical Inference of Health Achievement Index and an Empirical Application”, CDC HERG Seminar, Atlanta, Georgia.
- 30) March. 26, 2008 “Food Stamp Program Participation, Food Insecurity, and Obesity -- An unexpected Trio?” CDC Division of Nutrition, Physical Activity and Obesity, Atlanta, Georgia.
- 31) Feb. 26, 2008 “Food Stamp Program Participation, Food Insecurity, and Obesity -- An unexpected Trio?” CDC Division of Diabetes Translation, Atlanta, Georgia.
- 32) November, 2007, “Food Stamp Program Participation, Food Insecurity, and Obesity” Michigan State University, East Lansing, Michigan.
- 33) June, 2006, “Relative Income and Health Outcomes in China: Keeping up with the Chans”, School of Economics, Fudan University, Shanghai, China.
- 34) May, 2006, “Relative Income and Health Outcomes in China: Keeping up with the Chans” School of Public Health, University of Iowa, Iowa City, Iowa.
- 35) Oct., 2005, “Effects of food stamp participation on body weight and obesity”, Department of Agricultural Economics, Texas A&M University, College Station, Texas.
- 36) Sep., 2005, “Effects of food stamp participation on body weight and obesity” Department of Agricultural Economics, Virginia Tech, Blacksburg, Virginia.
- 37) Sept., 2004 “County-Level Agricultural Production Efficiency in China: A Spatial Analysis” University of Tennessee, Knoxville, Tennessee.

b. Conference talks

- 1) Chen Z et al. “Income Inequality as a Social Determinant of Opioid Use Disorder”, July 17, 2019, International Health Economic Association Annual Meeting, Basel, Switzerland.
- 2) Chen Z et al. “Rural-Urban Differences in Utilization of Mental Health Outpatient Services among Individuals Aged 18-64 years with Employer Sponsored Health Insurance, United States, 2005-2014”, June 23, 2019. American Society of Health Economists Annual Meeting, Washington DC.
- 3) Chen Z et al. “Income Inequality as a Social Determinant of Opioid Use Disorder”, June 23, 2019. American Society of Health Economists Annual Meeting, Washington DC.
- 4) Chen Z et al., “Cost of Bereavement in China: Evidence from the China Health and Retirement Longitudinal Survey”, June 7, 2019, the Chinese Economists Society Annual Meeting, Dalian, China.
- 5) Chen Z, Jiao Y. “Demographics, Education, Research Output, and Pay among Chinese Economists: Results from an Online Survey”, April 6, 2019, the Chinese Economists Society 2019 North America meeting, University of Kansas, Lawrence, Kansas.
- 6) Chen Z, Jiao Y, Wei X. “Gender, Pay Methods and Wages – Evidence from Matched Employer-Employee Data” April 9-10, 2018, The Chinese Economists Society 2018 North America Meeting, Athens, Georgia.
- 7) Chen Z, Janet E. Fulton, Kakoli Roy, Guijing Wang, Kathleen B. Watson, Cathleen M. Walsh, Anne C. Haddix, William H. Dietz. “Medical Expenditures for Cardiovascular Diseases Associated with Physical Inactivity among U.S. Adults: Evidence from Medical Expenditure Panel Survey 2006-2011” January 21, 2015. CDC Health Economics Research Group, Atlanta, Georgia.

- 8) Chen Z. “Economics of Obesity: A Selective Review on Contributing Factors, Consequences, and Interventions” September 23, 2014. CDC Health Economics Research Group, Atlanta, Georgia.
- 9) Chen Z. “Economics of Obesity: A Selective Review on Contributing Factors, Consequences, and Interventions” August 1, 2014. Iowa State University, Symposium and Festschrift in Honor of Professor Wallace Huffman, Ames, Iowa.
- 10) Chen Z., Janet E. Fulton, Kathleen B. Watson, Kakoli Roy, Guijing Wang, Cathleen M. Walsh, Anne C. Haddix, William H. Dietz. Medical Expenditures for Cardiovascular Diseases Associated with Physical Inactivity among U.S. Adults. The 4th Biennial Conference of the American Society of Health Economist, 2012, Minneapolis, Minnesota.
- 11) Chen Z., Roy K. Gotway Crawford CA. “Statistical inference of the health concentration index and the health achievement index”, The 3rd annual conference of the American Society for Health Economists, June 20-22, 2010, Cornell University, Ithaca, New York.
- 12) Chen Z., Roy K. Gotway Crawford CA. “Obesity Prevention: The Impact of Local Public Health Departments” at the 3rd Keeneland Conference for Public Health Systems and Services Research, April 20-22, 2010, Lexington, Kentucky.
- 13) Chen Z., Roy K. Gotway Crawford CA. “Obesity Prevention: The Impact of Local Public Health Departments” at 2010 Southern Economic Association annual meeting, Atlanta.
- 14) Chen Z., Roy K. Gotway Crawford CA. “Examining the Role of Gender in Career Advancement at the Centers for Disease Control and Prevention” iHEA 2009 Beijing, July 12-16.
- 15) Chen Z., Roy K. Gotway Crawford CA. “Obesity Prevention: The Impact of Local Public Health Departments” at the 2nd Keeneland Conference for Public Health Systems and Services Research, Lexington, Kentucky.
- 16) Chen Z., Gotway Crawford CA. Using Data from Multiple Sources to Conduct Social Determinants of Health Research – The Role of Geographic Units” at the 12th Biennial Symposium on *Statistical Methods, Info-Fusion: Utilization of Multi-Source Data*, sponsored by the CDC Statistical Advisory Group and the American Statistical Association, on April 7–8, 2009
- 17) Chen Z., Roy K. Gotway Crawford CA. “Balancing Efficiency and Equity: Statistical Inference of Health Achievement Index and an Empirical Application”, 2008, the 2nd Biennial Conference of the American Society of Health Economist, Duke University, Durham, NC
- 18) Chen Z., Eastwood DB, Yen ST. “A decade’s story of childhood malnutrition inequality in China: Where do you live does matter” The 6th World Congress of the International Health Economics Association (iHEA), July 6-11, 2007, Copenhagen, Denmark.
- 19) Yen ST, Chen Z., Eastwood DB. “Lifestyle, Demographics and Obesity: A Multi-Regime Switching Regression Analysis with an Endogenous Regressor”. The Chinese Economists Association at North American (CEANA) at the 2007 ASSA meetings, Jan 6, 2007, Chicago, Illinois.
- 20) Chen Z., Meltzer DO. “Relative Income and Health Status in China: Keeping up with the Chans” The Chinese Economist Society 2006 Annual Conference, July 2-4, Shanghai, China.
- 21) Chen Z., Song S. “Efficiency and Technology Gap in China’s Agriculture: A Meta-Frontier Analysis” The Chinese Economist Society 2006 Annual Conference, July 2-4, Shanghai, China.
- 22) Cho S-H, Chen Z., Yen ST. “Spatial Variation of Output-input Elasticities: Evidence from Chinese County-level Agricultural Production Data” The Chinese Economist Society 2006 Annual Conference, July 2-4, Shanghai, China.

- 23) Chen Z. “Development and inequality: an endogenous switching regression approach” Midwest Economic Association 2006 Annual Meeting.
- 24) Chen Z, Yen ST, Eastwood DB. “Shifting Health Inequality in China.” Allied Social Science Association (ASSA) Annual Meeting, Boston, MA, January 6-8, 2006. (Joint AEA/CES session).
- 25) Chen Z, Yen ST, Eastwood DB. “Childhood malnutrition in China: Change of inequality in a decade”, *American Agricultural Economics Association Annual Meeting*, Providence, July 2005 (Refereed).
- 26) Chen Z, Huffman WE, Rozelle S. “Inverse relationship between farm size and productivity in China’s agriculture”, *American Agricultural Economics Association Annual Meeting*, Providence, July 2005 (Refereed).
- 27) Chen Z, Yen ST, Eastwood DB. “Does cigarette consumption have a causal effect on weight reduction?” Annual meeting of the American Council on Consumer Interests, Columbus, April, 2005 (Referred, abstract published in *Consumer Interest Annual*, 2005, 51:78-79)
- 28) Chen Z, Huffman WE, Rozelle S. “Dynamic dependence of job location choice in rural China”, *American Agricultural Economics Association Annual Meeting*, Denver, August 2004 (Refereed).
- 29) Chen Z, Huffman WE. “Summarizing curvature conditions for flexible function forms” *American Agricultural Economics Association Annual Meeting*, Denver, August 2004 (Refereed).
- 30) Chen Z, Huffman WE, Rozelle S. “Technical efficiency of modern grain production on Chinese Farms: A stochastic production frontier approach.” *AAEA Annual Meeting*, Montreal, July 2003 (Refereed).
- 31) Chen Z, Huffman WE. “Measuring county-level technical efficiency of Chinese agriculture”, June 25-27, 2004, the Chinese Economist Society, *Chinese Agriculture after WTO*, Hangzhou China.
- 32) Chen Z, Huffman WE, Rozelle S. “Technical efficiency of grain production in China”, North American Productivity Workshop, June 22-25, 2004, Toronto.
- 33) Chen Z, Huffman WE, Rozelle S. “The relationship between farm size and productivity in Chinese agriculture”, Midwest Economics Association Annual Meetings, Chicago, March 2004.
- 34) Yang Y, Chen Z. “Adaptive forecast combining” in the proceedings of *The Decision Science Institute (DSI) 7th International Conference* Shanghai, China, July 4-7 2003 (accepted but not presented due to the SARS outbreak).
- 35) Chen Z, Huffman WE. “Rural China: contract for consolidation”, Presented at *the Economics of Contracts in Agriculture Workshop*, Annapolis, MD, July 21-23, 2002.
- 36) Chen Z. “Game theoretic analysis on corporate training investment”, Presented on *the 2nd Symposium of Graduate School, University of Science & Technology of China*, June 1999, Hefei, China.

c. Poster presentations

- 1) Luo H, Chen Z, June 16, 2019, “Health Literacy and Health Behaviors among Adults with Prediabetes: Results from the 2016 BRFSS” Poster presentation at the International Youth Forum on Health Policy and Management, Nanjing Medical University and the China Health Policy and Management Society.
- 2) Chen Z, Luo H, Zhang D. Income Inequality as a Social Determinant of Opioid Use Disorder in the US: 2008-2016. 2nd Annual Georgia Clinical & Translational Science Conference, February 28, 2019, Pine Mountain, Georgia.

- 3) Chen Z, Contreary K, Chattopadhyay SK, Chang M-H. A Review of Tools to Calculate the Cost of Health Conditions and Common Health Risk Factors. Poster presentation at the CDC 2012 Economic Forum, Atlanta, Georgia.
- 4) Chen Z, Roy K. Gotway Crawford CA. “Variance estimation and decomposition of the health achievement index” iHEA 2009 Beijing, July 12-16, Beijing, China.
- 5) Chen Z, Roy K. Gotway Crawford CA. “Assessing the Impact of Local Health Departments on Population Health by using BRFSS” AcademyHealth Public Health Systems and Service Research Interest Group 2009 meeting, June 30-July 1, 2009, Chicago, Illinois.
- 6) Chen Z, Roy K. Gotway Crawford CA. “Examining the Role of Gender in Career Advancement at the Centers for Disease Control and Prevention” AcademyHealth Annual Research Meeting 2008. Washington DC.

IV. Public Service

1. International programs
Reviewer for UGA 2020 Study Abroad program
2. Local community services and relations
 - 1) Organizer: Webinar: Lessons Learned from the Central Hospital of Wuhan in Treating COVID-19 Patients, April 10, 2020. Over 180 physicians affiliated with the WellStar System participated.
 - 2) Organizer: Webinar: Lessons Learned from Shanghai in COVID-19 Treatment and Prevention, April 11, 2020. over 500 participants joined through Zoom and Facebook Live Streaming.
 - 3) October 6, 2018, “Trend and Value of Big Data Presentation in Healthcare” at the Association of Chinese Professional (ACP) at Atlanta 2018 Annual meeting, Atlanta, Georgia.
 - 4) *Member* (2014– 2016) CDC Equal Employment Opportunity Advisory Council
 - 5) *Member* (2014– 2016) CDC Diversity and Inclusion Executive Steering Committee (DIESC)
3. To governmental and nongovernmental agencies
 - 1) President (2014 – 2016): Association of Asian/Pacific Islander Employees of CDC/ATSDR (AAPIECA)
 - 2) Guest Researcher (June 1, 2017–): Office of Public Health Genomics, U.S. Centers for Disease Control and Prevention

V. Professional Service

1. Service to professional societies, governmental organizations or nongovernmental agencies
 - 1) Mentor (2019 –) Georgia CTSA Translational Education and Mentoring in Science Program
 - 2) Regents Committee (Chair) (January 1, 2019–December 31, 2019), member (January 1, 2020 – December 31, 2021): The Chinese Economists Society, Ann Arbor, MI
 - 3) Workforce Subcommittee (Member) (September 1, 2018–Present): Consortium of Universities for Global Health, Education Committee, Washington D.C., United States

- 4) Member (November 30, 2019–Present): Committee of Health Economic Theory and Policy, the China Health Economics Association, Beijing, China
 - 5) Member (December 12, 2018–Present): Academic Advisory Committee, School of Public Administration, Southwestern University of Finance and Economics, Chengdu, China
 - 6) Member (February 2019–), Consortium of Universities for Global Health, Sustaining Technical and Analytic Resources (STAR Project) Committee.
 - 7) Associate (2013 –): Associate, China Research Center (<http://www.chinacenter.net/>)
 - 8) President (2017– 2018), President-Elect (2016 – 2017), and Board Director (2012– 2013; 2007– 2008): The Chinese Economists Society (U.S. based)
 - 9) Steering Committee member (2015 – 2017; 2008 – 2009): the Health Economics Research Group (HERG), CDC
 - 10) Founding Board Member (2008 – 2014), Secretary (2014 – 2016), President (2016-2018): China Health Policy and Management Society
 - 11) *Member* (2011– 2012): The American Society for Health Economists Scientific Committee
 - 12) *Member* (2010): CDC Statistical Advisory Group (SAG) Education Committee
 - 13) *Member* (2009– 2011): The International Health Economics Association Scientific Committee
 - 14) *Co-host*, Health Policy Forum, The Belt & Road Initiative Global Health International Congress & 2017 Chinese Preventive Medicine Association – Chinese Society on Global Health Annual Meeting, September 24-27, 2017
 - 15) *Planning Committee Member*: Westlake Forum III: Healthcare Reform in China and the US: Similarities, Differences and Challenges, Emory University, Atlanta, GA, April 10-12, 2011
 - 16) *Planning Committee Member*: Westlake Youth Forum: Hangzhou, China, August 3-6, 2012
 - 17) *Conference organizer*: The Chinese Economists Society 2008 Annual meeting, Tianjin, China
 - 18) *Steering Committee Member*: CDC 2012 Economic Forum
 - 19) *Session Organizer*: ASHEcon, iHEA, Southern Economic Association meetings
 - 20) *Organizer*: CDC OWCD Science Seminar by Dr. Lincoln Chen “Global Crisis in Human Resources for Health”
2. Editorships or editorial board memberships for journals or other learned publications
- a. **Editorial Board Member:**
 - Journal of Family & Economic Issues (2010 –)
 - The Chinese Economy (2018 –)
 - China CDC Weekly (2019 –)
 - Open Health (2020 –)
 - Anhui Medical and Pharmaceutical Journal (2016 –) [in Chinese]
 - China Rural Health Journal (2020 –) [in Chinese]
 - b. **Co-guest editor**
 - 1) 2009: Special issue of *Journal of Family & Economic Issues* on “Family Economic Issues in Transition Economies”

- 2) 2015, 2019: Symposium of *China Economic Review* for the Chinese Economists Society Annual Conference
 - 3) 2020: Special issue on health and healthcare in China, the Chinese Economy
 - 4) 2020: Special issue on “ Social-Economic Impacts of Epidemic Diseases”, *Technological Forecasting and Social Change, Elsevier*
3. Ad hoc manuscript reviewer
- a. Book proposal reviewer:**
Oxford University Press (2008)
- b. Journal referee services:**
PLoS One, Lancet, Contemporary Economic Policy, Journal of Health Economics, Health Economics, Health Services Research, Archives of Pediatrics & Adolescent Medicine, Social Science & Medicine, Medical Care, China Economic Review, Journal of Family and Economic Issues, Journal of Public Health Management and Practice, Qualitative Health Research, American Journal of Public Health, Archives of Pediatrics & Adolescent Medicine, Journal of Urban Technology, Social Science Journal, JAMA Pediatrics
- Dr. Chen has reviewed extensively for the research communities. His Publons profile is available at <https://publons.com/researcher/516341/zhao-chen/> .
4. Ad hoc grant reviewer
 - 1) *External Reviewer:* The Kuwait Foundation for the Advancement of Sciences, 2020
 - 2) *External Reviewer:* Research Career Development Award, Yale Pepper Center, Yale University, 2016
 - 3) *External Reviewer:* The Nottingham China Health Institute, 2019
 5. External evaluator of promotion/tenure dossier
 - 1) Mt Sinai School of Medicine, 2020
 - 2) University of California, San Diego, 2018
 - 3) Harvard School of Public Health, 2015
 - 4) Babson College, 2012
 6. Service on departmental, college, or University committees
 - 1) 2019: UGA College of Public Health, MPH Admission Committee
 - 2) 2019: UGA Global Health Institute Search Committee
 - 3) 2019: UGA CPH Department of Health Policy and Management Chair Search Committee
 - 4) 2020: UGA HPAM Connie Lloyd Scholarship Review Committee
 - 5) 2018-2020: P&T Committee, UGA Department of Health Policy and Management
 7. Service to student groups and organizations
 - 1) Advisor for UGA Medical Business Association (2018- present)
 - 2) Speaker at the American Mock World Health Organization at UGA 2020 Congress