

Nasim B. Ferdows

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Bouvé College of Health Sciences
Northeastern University, 360 Huntington Ave, Boston, MA 02115

School of Public Policy and Urban Affairs
310 Renaissance Park, 1135 Tremont St, Boston, MA

CURRENT ACADEMIC POSITION

Northeastern University, Assistant Professor

Aug. 2022 –present

Joint Appointment: Department of Health Sciences, Bouvé College of Health Sciences and School of Public Policy and Urban Affairs

EDUCATION

PhD, Economics, Wayne State University, 2016

Dissertation: Essays on Healthy Aging from the Perspective of a Health Production Function

MA, Economics, Yazd University, 2009

Dissertation: Productivity Analysis of Iranian Manufacturing Industries: Data Envelopment Analysis

BS, Mathematics, Iran University of Science & Technology, 2006

Concentration: Theoretical Mathematics

PRE- AND POST-GRADUATE TRAINING

AHRQ/NRSA Postdoctoral Research Fellow

2016 – 2018

Brown University, Center for Gerontology and Healthcare Research

Pre-doctoral Training Fellow

2014 – 2016

Wayne State University, Institute of Gerontology

PREVIOUS ACADEMIC POSITIONS

The University of Oklahoma Health Sciences Center

Jul. 2020 – Aug. 2022

Assistant Professor, Department of Health Administration and Policy, Hudson College of Public Health
HPRC Faculty Affiliate, Health Promotion Research Center

University of Southern California

Postdoctoral Research Associate, USC Edward R. Roybal Institute on Aging

Jan. 2019 – Jun. 2020

RCMAR Fellow, Leonard D. Schaeffer Center for Health Policy & Economics

Jul. 2019 – Jun. 2020

Adventist Health White Memorial

Research Fellow, Center for Hispanic Health

Jun. 2019 – Jun. 2020

PROFESSIONAL DEVELOPMENT

Faculty Leadership Program, University of Oklahoma Health Sciences Center (128 hours)

2021-2022

New Faculty Onboarding (NFO) workshop

2021-2022

RAND Summer Institute, Virtual

Mini-Medical School for Social Scientists

Jul. 6-7, 2020

Demography, Economics, Psychology, and Epidemiology of Aging

Jul. 8-9, 2020

The Sheridan Center for Teaching & Learning, Brown University

Sheridan Teaching Seminar (Certificate I) program

Fall 2017

2017 iHEA World Congress, Boston, MA

Pre-congress "Teaching Health Economics (THE)" Workshop

July 8, 2017

Health and Retirement Study (HRS) workshop

Jun. 8-12, 2015

Mentoring**Research Assistants at OUHSC**

- 2021 – 2022 McKenzie Cowlbeck, MPH-HAP student
“State-level policies on nurse practitioner’s scope of practice and covid-9 waivers”
- 2021 – 2022 Valentina Vasquez, MHA student
“Covid-19 disruption in stroke discharges”
- 2021 – 2022 Mathew Reeves, MHA student
“Disparities in access to care in the State of Oklahoma”
- 2021 – 2021 Hudson Hill, MHA student
“Cross-National Comparison of Prevalence of Dementia”
- 2020 – 2021 Rhodes Simons, MHA student
“Disparities in Access to Care: Comparison of Native Americans and Whites”
- 2020 Madylin Spencer, MHA student
“Disparities in Prevalence of Dementia”

Students at other Universities

- 2020 – 2021 Mentee Nicholas Garnica, MA student in Physical Therapy, Northern Arizona University
“Rural-Urban Disparities in Stroke Mortality”
- 2020 Research Assistant Jaehong Kim, PhD candidate in Economics, University of Southern California
“Association between Supply of Primary Care Professionals and Rural-Urban Disparities in Prevalence of Dementia”
- 2020 Research Assistant Fang Ren, MA student in Gerontology, University of Southern California
“Racial Disparities in Prevalence and Incidence of Dementia”

Dissertation Committee

- 2021 – 2022 Committee Member Pawan Acharya, PhD student in Biostatistics and Epidemiology
Propensity Score Matching and Instrumental Variable Approach
- 2020 – 2022 Reader Katherine White, MPH-HAP student at University of Minnesota
Disparities in Black and White Mortality Rates in Rural Areas: Multiple Case Studies

Internship Committee

- 2021 – 2022 Hudson Hill, MHA student, *Internship at OU Health*
- 2021 – 2022 Daley Gay, MHA student, *Internship at Oklahoma Children’s Hospital OU Health*
- 2021 – 2022 Birjis Khan, MHA student, *Internship at Blackly Partners, Oklahoma City*
- 2021 – 2022 Madylin Spence, MHA student, *Internship at Norman Regional Health System*
- 2021 Blakeley Pearson, MHA student, *Internship at OU Medical Center*
- 2021 Dustin Moran, MHA student, *Internship at Olathe Medical Center in Kansas City, Missouri*
- 2021 Abbey Muldowney, MHA student, *Internship at Oklahoma Children’s Hospital*

Practicum Committee

- 2020 Tate Atkinson, MPH-HAP student
COVID-19 Public Health Issues: State Comparative Policy Analysis

SERVICE TO DECIPLINE/ INSTITUTION**Ad hoc Reviewer of Journals**

American Journal of Public Health (AJPH), Alzheimer’s & Dementia: The Journal of the Alzheimer’s Association, Journal of American Medical Directors Association (JAMDA), Research on Aging (ROA), The Gerontologist, Journal of Aging & Social Policy (JASP), Inquiry: The Journal of Health Care Organization, Provision, and Financing, Health

Equity, British Medical Journal (BMJ) Open, International Journal of Health Policy and Management (IJHPM), Journal of Applied Gerontology (JAP), BMC Geriatrics, Journal of Rural Health, Alzheimer's & Mental Health

Ad hoc Reviewer of Conferences

ASHEcon, Gerontological Society of America (GSA), International Health Economics Association (iHEA), National Health Policy Conference (NHPC)

NIH Review Panel

Early Career Reviewer (ECR) at the Social Sciences and Population Studies (SSPS) study section

Professional Society Membership

Association of University Programs in Health Administration (AUPHA)	2021 – present
Gerontological Society of America / member	2014 – present
Academy Health / member	2017 – present
International Health Economics Association / member	2017 – present
American Society of Health Economists / member	2017 – present
American Economic Association (AEA)	2018 – 2019
Midwest Economics Association / member	2014 – 2016

Service to Institution (OUHSC)

Department level service

- Student advising, 2020-22
- Admissions committee, 2020-22

College level service

- Faculty Board committee, 2020-22

Campus level service

- Future Faculty Committee member, Graduate Council Committee, 2021-22
- Faculty search committee member, Department of Geriatrics, 2021
- Invited discussion panel for Innovations in Aging Conference (April 19, 2022)

PUBLICATIONS

*Indicates that I directly supervised the first author.

Peer-Reviewed

Ferdows, N. B., Aranda, M., Rivera-Hernandez, M., Kumar, A. (2021) State Variations in Nurse Practitioners Scope of Practice and Rural-Urban Mortality Gap in the United States, *PLOS one*, RR.

Ferdows, N. B., Kosar, C., Adhiraki, D., Panagiotou, O., Rahman, M. (2021) Geographical Variation in Supply of Care and Mortality: A 23-Year County-Level Longitudinal Study, *Aging and Health Research*, RR.

Rivera-Hernandez, Kumar, A., Ferdows, N.B., Chou, L., Keeney, T., **Ferdows, N.B.**, Karmarkar, A., Ottenbacher K. (2022) Healthcare Utilization and Costs Among High-Need and Frail Mexican American Medicare Beneficiaries, *PLOS One*, <https://doi.org/10.1371/journal.pone.0262079>.

Rivera-Hernandez, M., Matos-Moreno, A., **Ferdows, N.B.**, Kumar, A. (2021) Posthospital Nursing Home Utilization and Quality Indicators Among Medicare Beneficiaries in Puerto Rico: Comparison With the United States, *JAMDA*, <https://doi.org/10.1016/j.jamda.2020.11.005>.

Rivera-Hernandez, M., **Ferdows, N.B.**, Kumar, A. (2021) The Impact of the Covid-19 Epidemic on Older Adults in Rural and Urban Areas in Mexico, *The Journals of Gerontology: Series B*, <https://doi.org/10.1093/geronb/gbaa227>.

Ferdows, N.B., Aranda, M., Baldwin, J., Ahluwalia, J.S., Baghban, S., Kumar, A. (2020) Assessment of Racial Disparities in Mortality in US Rural and Urban Areas from 1968 to 2016, *JAMA network open*, doi: 10.1001/jamanetworkopen.2020.12241.

Kosar, C., Loomer, L., **Ferdows, N.B.**, Panagiotou, O., Trivedi, A., Rahman, M. (2020). Rural-Urban differences in Postacute Care Utilization and Outcomes, *JAMA network open*, doi:10.1001/jamanetworkopen.2019.18738.

Ferdows, N.B., & Rahman, M. (2020). Evolution of Nursing Home Industry in States with Different Certificate of Need Policies. *JAMDA*, doi: <https://doi.org/10.1016/j.jamda.2019.09.014>.

Ferdows, N. B., Jensen, G. A., & Tarraf, W. (2018). Healthy Aging after Age 65: A Life-Span Health Production Function Approach. *Research on aging*, 40(5), 480-507. doi: 10.1177/0164027517713312.

Jensen, G. A., Salloum, R. G., Hu, J., **Ferdows, N.B.**, & Tarraf, W. (2015). A slow start: use of preventive services among seniors following the Affordable Care Act's enhancement of Medicare benefits in the US. *Preventive medicine*, 76, 37-42. doi: 10.1016/j.ypmed.2015.03.023

Ferdows, N.B., Keshvari, A., & Ferdows, A.B. (2010). Productivity Analysis of Iranian Manufacturing Industries: Data Envelopment Analysis. Performance, Management and Measurement with Data Envelopment Analysis, *Proceedings of the 8th International Conference of DEA*, P: 168-174. ISBN: 978 1 85449 481 8.

Feizpour, M.A., **Ferdows, N.B.**, & Ghorbani, A. (2010). Industrial Structure and the Minimum Efficient Scale of Iran's Industry: Case Study of Food Processing Industry. *Knowledge & Technology*, 1(1), p: 1-23. doi:10.22067/fb.v1i1.4034.

Under Review

Cowlbeck M.*, **Ferdows, N.B.**, State-level Changes in Nurse Practitioners Scope of Practice during Covid-19 pandemic", *PLOS Medicine*, submitted.

Garnica, N. *, Kumar, A., Karmarkar, A., Bosch, P., Ranjan, P, **Ferdows, N.B.** "Rural-Urban Disparities in Stroke Mortality in the US from 1999 to 2016", *Stroke*, under review.

Ferdows, N.B., Aranda, M. Racial/Ethnic Disparities in Risk and Protective Factors of Dementia in the United States, to be submitted to *American Journal of Public Health*, submitted.

Reeves M.*, **Ferdows, N.B.**, Racial Disparities within Rural and Urban areas: Comparing Native Americans, White and Blacks Age-adjusted Morality Rates from 1999 to 2016", *JAMA*, submitted.

In Preparation

Ferdows, N.B., Cross-national Comparison of Determinants of Dementia: A Lifespan Approach, *invited for submission in a special issue of the Journal of Gerontology: Social Sciences (JGSS)*.

Kim, J. *, Aranda, M., **Ferdows, N.B.**, Association between Supply of Primary Care Professionals and Rural-Urban Disparities in Prevalence of Dementia, *Journal of Health Economics*, Article manuscript in progress.

Ferdows, N.B. Cognitive Functioning in Older Adults: A Life Course Health Production Function Approach, to be submitted to *Journal of Gerontology: Series B*, Article manuscript in progress.

Kim, J. *, Aranda, M., Zissimopoulos, J., **Ferdows, N.B.** Rural-Urban Disparities in Prevalence of Dementia and CIND: Using nationally Representative Survey Data and CMS Claims Data, Article manuscript in progress.

Unpublished Work

Direct and Indirect Effects of Childhood Circumstances on Healthy Aging (with Jensen & Tarraf at Wayne State University)

Gender Differences in Healthy Aging: A Lifespan Health Production Approach

Do ACO-affiliated Hospitals discharge Patients to Higher Quality Skilled Nursing Facilities (with Rahman and Mor at Brown University)

WORK IN PROGRESS

Post-acute Care Use Pattern during Covid-19 Pandemic (with Chen at OUHSC, Kumar at University of Northern Arizona Karmarkar at Commonwealth University, and Rivera-Hernandez at Brown University), Data analysis in progress.

Racial Disparities in Hospital Utilization in Oklahoma Using Oklahoma University Claims data (with Bratzler at OUHSC), Data analysis in progress.

Cognitive Functioning in Older Mexicans: A Life course Health Production Function Approach using MHAS Data (with Aranda at University of Southern California), Article manuscript in progress.

Rate and Determinants of Depression Screening in a Diverse Urban Healthcare Setting, using EMR data from White Memorial Hospital in Los Angeles (with Aranda at USC and Flores and Chern at Adventist Health White Memorial)

CONFERENCES

Paper Presentations

International

Alzheimer's Association International Conference (AAIC), San Diego, CA (Jul. 31- Aug. 4, 2022)

“Racial/Ethnic Disparities in Risk and Protective Factors of Dementia in the United States”, **Symposium**

iHEA World Congress, Basel Switzerland (Jul. 13-17, 2019)

“Cognitive Functioning in Older Adults: A Life Span Health Production Function Approach”

“Nurse Practitioners' Prescription Authority Restriction and the Rural Urban Disparities in Mortality Rates”

International Health Economics Association (iHEA) World Congress, Boston, MA. (Jul. 8-11, 2017)

“Gender Differences in Healthy Aging: A Lifespan Health Production Approach”

8th International Conference on Data Envelopment Analysis (DEA2010), Performance, Management and Measurement, American University of Beirut, Lebanon. (Jun. 10-12, 2010)

“Productivity analysis of Iranian manufacturing industries by Data Envelopment Analysis”

National

Gerontological Society of America's Annual Scientific Meeting (GSA), Indianapolis (Nov. 2-6, 2022, **accepted**)

“Racial/Ethnic Disparities in Risk and Protective Factors of Dementia: A Lifespan Approach”, **Symposium**

Gerontological Society of America's Annual Scientific Meeting (GSA), Phoenix, AZ (Nov. 10-14, 2021)

“Rural and Urban Difference in Longitudinal Trends in Prevalence of Dementia in Medicare Claims and Survey data”

TRENDS 2021 Conference on Lagging U.S. Health, Virtual (May. 13-14, 2021)

“Cross-National Comparison of Determinants of Dementia: A lifespan Approach”

Gerontological Society of America's Annual Scientific Meeting (GSA), Virtual (Nov. 4-7, 2020)

“Racial/Ethnic Differences in Risk and Protective Factors of Dementia and CIND in the United States”

American Society of Health Economics (ASHEcon) Conference, Virtual (Jun. 7-10, 2020)

“Risk and Protective Factors of Dementia and CIND at Older Age, using HCAP and HRS data”, **Symposium**

Gerontological Society of America's Annual Scientific Meeting (GSA), Austin, TX. (Nov. 13-17, 2019)

“Reducing Health Disparities in the Era of Value-based Care”, **Symposium**

“Racial/Ethnic Disparities in Rural-Urban Mortality Gap in the United States: A 48-year Longitudinal Study”

Gerontological Society of America's Annual Scientific Meeting (GSA), Boston, MA. (Nov. 14-18, 2018)

“Cognitive Functioning in Older Adults: A Life Span Health Production Function Approach”

AHRQ 24rd Annual NRSA Trainees Research Conference, Seattle, WA. (Jun. 23, 2018)

“Availability of Care and the Rural-Urban Disparities in Mortality Rate”

AHRQ 23rd Annual NRSA Trainees Research Conference, New Orleans, LA. (Jun. 23, 2017)

“Gender Differences in Healthy Aging: A Lifespan Health Production Approach”

Gerontological Society of America's Annual Meeting (GSA), Orlando, FL. (Nov. 16-20, 2016)

“Healthy Aging in Older Adults: The Role of Childhood Circumstances and Lifecycle Factors”

“A Slow Start: Use of Preventive Services among Seniors Following the Affordable Care Act's Enhancement of Medicare Benefits in the U.S.” (Podium presentation: Gail Summers)

Regional

2nd Annual Oklahoma Dementia Care Network Innovations in Aging Day, Oklahoma City (Apr. 19, 2022)
 “Racial/Ethnic Disparities in Risk and Protective Factors of Dementia”

Inaugural Los Angeles Postdoctoral Research Symposium (Jun. 6, 2019)
 “Evolution of Nursing Home Industry in States with Different Certificate of Need Policies”

Midwest Economics Association’s Annual Meeting (MEA), Evanston, IL. (Apr. 1-3, 2016)
 “Healthy Aging after Age 65: A Life Span Health Production Function Approach”

Michigan Academy of Science, Arts & Letters Conference, University Center, MI. (Mar. 4, 2016)
 “Healthy Aging after Age 65: A Life Span Health Production Function Approach”

Michigan Academy of Science, Arts & Letters Conference, Berrien Springs, MI. (Mar. 13, 2015)
 “Healthy Aging in Older Adults: The Role of Childhood Circumstances and Lifecycle Factors”

Panelist, Discussant or Chair

Innovation in Aging Conference, OUHSC, OK. (April 19, 2022)
 “Careers in Aging”, Invited Panelist

American Society of Health Economics (ASHEcon) Conference, St. Louis, MO. (Jun. 7-10, 2020)
 Session: “Cognitive Health at Older Age”, Session Organizer & Chair
 Session: “Healthcare Use and Costs among Adults with Congenital Disability”, Role: Discussant

13th World Congress of international Health Economics Association (iHEA), Basel, Switzerland (Jul. 13-17, 2019)
 Session: “Determinants of Health in Ageing”, Session Chair

Midwest Economics Association’s Annual Meeting (MEA), Evanston, IL. (Mar. 23-25, 2018)
 Session: “Hospitals and Medical Products”, Role: Discussant

12th World Congress of the International Health Economics Association (iHEA), Boston, MA. (Jul. 8-11, 2017)
 Session: “Organization of Nursing Home Markets”, Role: Discussant

Midwest Economics Association’s Annual Meeting (MEA), Evanston, IL. (Apr. 1-3, 2016)
 Session: “Health Determinants I”, Role: Discussant

Poster Presentations

Academy Health, Annual Research Meeting (ARM), Washington, DC (Jun. 5-7, 2022)
 “State-level Changes in Nurse Practitioners Scope of Practice during Covid-19 pandemic” (McKenzie Cowlbeck*)
 “Racial Disparities within Rural and Urban areas: Comparing Native Americans, White and Blacks Age-adjusted Morality Rates from 1999 to 2016” (Matthew Reeves*)

iHEA World Congress, Virtual (Jul. 12-15, 2021)
 “The Association between Supply of Primary Care Professionals and Rural-Urban Disparities in Prevalence of Dementia”

Academy Health, Annual Research Meeting (ARM), Virtual (Jul. 28- Aug. 6, 2020)
 “Risk and Protective Factors of Dementia and CIND at Older Age, using HCAP and HRS data”

American Economic Association Annual Meeting (ASSA), San Diego, CA. (Jan. 3-5, 2020)
 “Racial/Ethnic Disparities in Rural-Urban Mortality Gap in the United States: A 24 years Longitudinal Study”
 “Nurse Practitioners' Prescription Authority Restriction and the Rural Urban Disparities in Mortality Rates”

Academy Health, Annual Research Meeting (ARM), Washington, DC. (Jun. 14-16, 2019)
 “Cognitive Functioning in Older Adults: A Life Span Health Production Function Approach”
 “Rural-Urban differences in Postacute Care Utilization and Outcomes”, (Cyrus Kosar)

American Economic Association Annual Meeting (ASSA), Atlanta, GA. (Jan. 4-6, 2019)
 “Cognitive Functioning in Older Adults: A Life Span Health Production Function Approach”

Gerontological Society of America's Annual Scientific Meeting (GSA), Boston, MA. (Nov. 14-18, 2018)
 “ACO and Non-ACO Affiliated Hospitals Discharge Pattern to SNFs Based on SNFs Star Rating”

Academy Health, Annual Research Meeting (ARM), Seattle, WA. (Jun. 24-26, 2018)

“Availability of Care and the Rural-Urban Disparities in Mortality Rate”

AHRQ 24rd Annual NRSA Trainees Research Conference, Seattle, WA. (Jun. 23, 2018)

“Long-term Effects of Supply Control Policies”

Academy Health, Annual Research Meeting (ARM), New Orleans, LA. (June 25-27, 2017)

“Gender Differences in Healthy Aging: A Lifespan Health Production Approach”

“Timing of 90-Day Readmissions after Hospitalization for Joint Replacement among Elderly and Non-Elderly Patients: A Study from a Nationwide Readmissions Database” (Poster presentation by Amit Kumar)

WSU 2016 Graduate and Post-Doctoral Research Symposium, WSU, Detroit, MI. (Mar. 5, 2016)

“Healthy Aging after Age 65: A Life Span Health Production Function Approach”

Lifespan Alliance Research Day, Institute of Gerontology, WSU, Detroit, MI. (Feb. 12, 2016)

“Healthy Aging after Age 65: A Life Span Health Production Function Approach”

14th Annual Pediatrics Research Day, WSU, Detroit, MI. (Mar. 18, 2015)

“Healthy Aging in Older Adults: The Role of Childhood Circumstances and Lifecycle Factors”

INVITED TALKS

Department of Physical Therapy, Northern Arizona University, Phoenix, AZ. (Mar. 26th, 2020)

Title: “Risk and Protective Factors of Dementia and CIND at Older Age”

Department of Health Policy and Management, Providence College, Providence, RI. (Jan. 28th, 2020)

Title: “Variations in Nurse Practitioners Scope of Practice and the Rural Urban Disparities in Mortality Rates”

GW School of Nursing, George Washington University, Washington, DC. (Nov. 7th, 2019)

Title: “Rural-Urban Disparities in Access to Care & Health Outcomes”

Department of Community Medicine and Health Care, University of Connecticut, Farmington, CT. (Jul. 31st, 2018)

“Rural-Urban Disparities in Availability of Care and Mortality Rate”

Center for Gerontology and Healthcare Research, Brown University, Providence, RI. (Jun. 1st, 2016)

“Healthy Aging after Age 65: A Life Span Health Production Function Approach”

CAMPUS OR DEPARTMENTAL TALKS

Resource Centers for Minority Aging Research (RCMAR), Leonard D. Schaeffer Center for Health Policy & Economics, University of Southern California (Apr. 28th, 2020)

Title: “Rural-Urban Disparity in Prevalence of Dementia and CIND”

Resource Centers for Minority Aging Research (RCMAR), Leonard D. Schaeffer Center for Health Policy & Economics, University of Southern California (Dec. 5th, 2019)

Title: “Rural-Urban Disparity in Prevalence of Dementia and CIND in Health and Retirement Study”

Roybal Institute on Aging, University of Southern California (Nov. 5th, 2019)

Title: “Risk and Protective Factors of Dementia and CIND at Older Age”

Resource Centers for Minority Aging Research (RCMAR), Leonard D. Schaeffer Center for Health Policy & Economics, University of Southern California (Oct. 3rd, 2019)

Title: “Supply of Primary Care Professionals and Rural-Urban Disparity in Prevalence of Dementia and CIND”

Center for Gerontology and Healthcare Research, Brown University (May. 9th, 2018)

Brown Bag, Title: “Rural Urban Disparities in Mortality Rate and Availability of Care”

Center for Gerontology and Healthcare Research, Brown University (May. 24th, 2017).

Brown Bag, Title: “Do ACO-Affiliated Hospitals Discharge Patients to Higher Star-Rating SNFs?”

Lifespan Alliance Research Day, Institute of Gerontology, WSU (Feb. 13th, 2015)

Title: “Healthy Aging in Older Adults: The Role of Childhood Circumstances and Lifecycle Factors”

MEDIA COVERAGE

[Physiciansweekly.com](#), 2020

[MedicalResearch.com](#), 2020

[United Press International](#), 2020

Blue Cross Blue Shield of Michigan Foundation Community Impact, 2016

[2015 BCBSM Foundation Annual Report](#), 2016