



Farrokh Alemi, Ph.D.

Contact Information

Department of Health Administration & Policy
College of Health and Human Services
George Mason University

Employment

2015 - Present	Tenured Professor of Health Administration, Also 1999 - 2008 George Mason University's College of Health and Human Services
2010 - 2015	Chief of Performance Improvement, DC Veterans Affairs Medical Center Chief of Research, Bay Pine Veterans Affairs Medical Center
2008 - 2010	Professor of Health Systems Administration, Georgetown University, College of Nursing and Health Studies
1989-1998	Tenured Associate Professor, Graduate Study in Health Care Administration, Cleveland State University
1986-1987	Director, InterPractice Inc., a start-up company organized by Harvard Community Health Plan
1987-1989	Director, Division of Health Services Research, Center for Research in Medical Education and Health Care, Thomas Jefferson Medical College
1983-1987	Assistant Professor of Management Science, Department of Health Systems Management, Tulane University

Education

1985-1986	Faculty Fellow in Health Care Finance, Center for Hospital Finance, Johns Hopkins University
1978 - 1983	Ph.D. in Decision Analysis, Industrial Engineering Department, University of Wisconsin-Madison
1976 - 1978	M.S. in System Analysis, Industrial Engineering Department, University of Wisconsin-Madison
1972 - 1976	B.S. in Industrial Engineering, Department of Industrial Engineering, University of Wisconsin-Madison

Funded 2024 Projects

Active Awards in 2024

National Institute of Mental Health, Priya Nambisan (PI), Role: Co-Investigator and site PI

Impact of Images in Social Media on Suicidality of Transgender Population, 10/1/2024 – 9/30/2029

Examines impact of images in social media on suicidality of transgender teens through their rating of emotional reactions to various images.

1 OT2OD0325810-22-98 NIH AIM-AHEAD Grant Program, Farrokh Alemi, PI, Role: Principal Investigator

Autonomous AI in Management of Depression, 1/1/2024 – 12/31/2024

Develops and distributes an AI system for selection of antidepressants, for minority patients, with Major depression.

Funded Prior Years Projects

1 OT2OD0325810-22-98 NIH AIM-AHEAD Grant Program (pilot study), Farrokh Alemi, PI, Role: Principal Investigator
Research Scholarship for Autonomous AI in Management of Depression, 1/1/2014 – 8/31/2014
Develops and distributes an AI system for selection of antidepressants, for minority patients, with Major depression.

1U01DP006299-01, Center for Disease Control & Prevention, Lorna Thorpe (PI),
Role: Co-Investigator
Impact of Community Factors on Geographic Disparities in Diabetes and Obesity, 09/30/2017-09/29/2023
Examines the relationship between access to food stores, community factors, social determinants on diabetes controlling for medical causes of diabetes. Uses mediation analysis of massive data.

1 CPIMP211247-01-00, US Dept. of Health and Human Services Office of Minority Health, Anthony Mingo (PI),
Role: Co-Investigator
Stronger Partnership, Stronger Community 09/01/2021-09/01/2023
Examines social determinants of illness and racial/ethnic variation in vaccination rates. Evaluates impact of training in health literacy on vaccination rates among Black and Latinx populations. Uses network-based multiple mediation analysis.

12125D, Gates Foundation, Yunyu Xiao (PI),
Role: Co-Investigator
Suicide in Long COVID-19, 06/01/2021-09/01/2022
Project examines the relationship between COVID-19 and suicide. Uses network-based multiple mediation analysis of massive data.

75N91020C0-00-38, National Cancer Institute, Jain Praduman (PI),
Role: Co-Investigator
Symptom Screening for COVID-19 and Flu, 09/01/2020-09/30/2021
Examines patient symptoms, home test results, vaccination, and exposure in differential diagnosis of COVID. Uses network-based multiple mediation analysis of massive data. Distributed to the public using ChatGPT. This project led to our first attempt to use large language models to advise patients about their risk for COVID-19.

247-02-20, Virginia Commonwealth Research Board, Alemi, Farrokh (PI),
Role: Principal Investigator
Use of Artificial Intelligence to Create a Decision Aid for Antidepressants, 11/01/2020-10/30/2021
Provides online advice to Virginia residents (age 13 to 80) about optimal antidepressant treatment. Distributed to the public using ChatGPT. This research led to the preliminary study reported in this study. A minimum viable product (without use of the topic network and dialogue management) is available at <http://MeAgainMeds.com>

Funding Agency: 75N91020C00038, National Cancer Institute
Title: **Symptom Screening for COVID-19 and Flu (Phase 1)**, Praduman Jain (PI)
Dates: 09/01/20-12/30/20
Description: Create a method of differentiating COVID-19 from flu based on the self-reported symptoms. Use enterprise WIFI system to complete contact tracing. This project was funded as a contract to Vibrent Inc.
Role: Co-Investigator, 30% Calendar year

Funding Agency: 75N91020C00038, National Cancer Institute
Title: **Symptom Screening & In-Home Testing for COVID-19 (Phase 2)**, Praduman Jain (PI)
Dates: 02/01/21-12/30/21
Description: Create a method of differentiating COVID-19 from flu based on the self-reported symptoms. Use enterprise WIFI system to complete contact tracing. This project was funded as a contract to Vibrent Inc.
Role: Co-Investigator, 30% Calendar year

Funding Agency: 247-02-20, Virginia Commonwealth Research Board
Title: **Use of Artificial Intelligence to Create a Decision Aid for Antidepressants**, Alemi, Farrokh (PI)
Dates: 11/01/20-10/30/21
Description: Provide online advice, to Virginia residents (age 13 to 80), about optimal antidepressant treatment.
Role: PI, 15% Academic Year

Funding Agency: VA Appropriation 3620160, from VA Office of Geriatrics and Extended Care
Title: **Evaluation of Impact of Medical Foster Home Program**, Levy, Cari (PI)
Dates: 10/01/13-09/30/17

Description: Examined the cost and efficacy of sharing community homes as a replacement for nursing home care. Uses co-variate balancing to compare Medical Foster and Nursing Homes on residents who have the same comorbidities.
Role: Co-Investigator

Funding Agency: R01 HL084767, National Institute of Heart Lung and Blood
Title: **System Change for Exercise Maintenance in Older Cardiac Patients**, Moore, Shirley (PI)
Dates: 09/01/06-09/01/10
Description: Examined if personal system change (e.g. change in daily living routines) could lead to maintaining exercise goals
Role: Co-Investigator

Funding Agency: 5R01 AA017192-02, National Institute of Alcohol Abuse & Alcoholism
Title: **Computer- Based Alcohol Use Disorder Recovery System**, David Gustafson (PI)
Dates: 09/01/09-08/31/10
Description: Developed a telephone system to educate and provide social support for individuals with alcohol abuse disorders.
Role: Co-Investigator

Funding Agency: Internal NY University Funds, New York University
Title: **Analysis of Transition to Diabetes**, Alemi, Farrokh (PI)
Dates: 09/01/15-06/01/16
Description: Uses Propensity matching and co-variate balancing to examine the transition to diabetes and the impact of antibiotics on the transition to diabetes.
Role: PI

Funding Agency: 204431, Robert Wood Johnson Foundation
Title: **Comparative Effectiveness of Antidepressants**, Alemi, Farrokh (PI)
Dates: 09/15/19-09/15/20
Description: The aim of this project is to analyze the comparative effectiveness of antidepressants using data on 113 million lives (approximately 20 million depressed patients) available through OptumLabs
Role: PI

Funding Agency: GMU 222764, New York University
Title: **Pre-diabetes and Diabetes among Veterans**, Schwartz, Mark (PI)
Dates: 08/15/15-09/30/18
Description: Uses big data to examine independent contribution of antibiotics, obesity, PTSD, and other risk factors to emergence of diabetes among veterans
Role: Co-Investigator

Proposals in Review or in Revision in 2024

Funding Agency: Patient Centered Outcome Research Institute

Title: **Preventing Suicide among Transgender Teens**, Alemi, Farrokh (PI)

Dates: 11/01/25-10/30/30

Description: Examines comparative effectiveness of suicide prevention activities (including medical treatments and online services) on reducing suicide attempts among transgender teens.

Role: PI, 15% Academic Year

Status: In review

Funding Agency: Agency for Healthcare Policy and Research

Title: **Evaluation of Impact of AI System for Management of Depression**, Alemi, Farrokh (PI)

Dates: 11/01/25-10/30/28

Description: Examines effectiveness of an AI system for prescribing antidepressants for patients with major depressive disorders

Role: PI, 15% Academic Year (

Status: First submission withdrawn, in revision

Funding Agency: National Cancer Institute

Title: **Use of Predictive Models in Cancer Screening** (R21), Alemi Farrokh (PI)

Dates: 9/1/2025 – 9/1/2027

Description: Evaluates whether it is possible to set eligibility for cancer screening through predictive models.

Role: PI, 20% Academic Year

Status: In revision

Open Online Courses

These courses are available on the web, without password, and include all lectures, videos, assignments, and other components of the course, except student related evaluations and grades.



HAP 290 Lifestyle Management
<http://openonlinecourses.com/Lifestyle/default.asp>



HAP 436 Quality Improvement with HER
<http://openonlinecourses.com/464/default.asp>



HAP 464: EHR Configuration and Data Analysis
<http://openonlinecourses.com/464/default.asp>



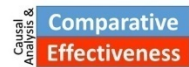
HAP 671 Healthcare databases
<http://openonlinecourses.com/databases/default.html>



HAP 725 Statistical Process Improvement
<http://openonlinecourses.com/spc/default.html>



HAP 730: Decision Analysis in Healthcare
<http://openonlinecourses.com/DecisionAnalysis/default.asp>



HAP 823: Causal Analysis and Comparative Effectiveness
<http://openonlinecourses.com/causalanalysis/default.html>



HAP 819: Advance Statistics in Health Services Research II
<http://openonlinecourses.com/819/default.html>



HAP 786: Workshop in Health Informatics
<http://openonlinecourses.com/786/default.html>



HAP 719: Advance Statistics in Health Services Research I
<http://openonlinecourses.com/statistics/default.html>

Portions of content, images, and videos were created by AI. A sample of 31 AI-assisted videos (text of content generated from ChatGPT and text-to-video performed by HeyGen) are provided here:

1. Normal distribution 🌟 [Slides▶](#) 🌟 [Video▶](#) [YouTube▶](#)
2. Standard Normal distribution & calculation of probabilities of events 🌟 [Slides▶](#) 🌟 [Video▶](#)
3. Download R 🌟 [Slides▶](#) 🌟 [Video▶](#)
4. Read data in R 🌟 [Slides▶](#) 🌟 [Video▶](#)
5. Introduction to descriptive statistics in R 🌟 [Slides▶](#) 🌟 [Video▶](#)
6. Data Types in R 🌟 [Slides▶](#) 🌟 [Video▶](#)
7. One way analysis of variance, with example calculations 🌟 [Slides▶](#) 🌟 [Video▶](#)
8. Two way analysis of variance, with example calculations 🌟 [Slides▶](#) 🌟 [Video▶](#) [Excel▶](#)
9. Analysis of variance using R 🌟 [Slides▶](#) 🌟 [Video▶](#)
10. Assumptions in Analysis of Variance using R 🌟 [Slides▶](#) 🌟 [Video▶](#)
11. Interpreting R output from Analysis of Variance 🌟 [Slides▶](#) 🌟 [Video 1▶](#) 🌟 [Video 2▶](#)
12. Introduction to basic concepts 🌟 [Slides▶](#) 🌟 [Video▶](#)

13. Preparing categorical variables in regressions  [Slides](#)  [Video](#)
14. Test of hypotheses in context of other variables  [Slides](#)  [Video](#)
15. Interpretation of output of ordinary regression  [Slides](#)  [Video](#)
16. Testing assumptions of ordinary regression in R  [Slides](#)  [Video](#)
17. Performing ordinary regression in R  [Slides](#)  [Video](#)
18. Regression analysis in R  [Slides](#)  [Video](#)
19. Interpreting R regression output  [Slides](#)  [Video](#)
20. Missing value and regression [Read](#)  [Slides](#)  [Video](#)
21. Adjustments for missing values using R software [Read](#)  [Slides](#)  [Video](#)
22. Statistical Analysis of EHRs pages 274 to 281  [Slides](#)  [Video](#)
23. Model building using R  [Slides](#)  [Video](#)
24. Logistic Regression in Statistical Analysis of EHRs  [Slides](#)  [Video](#)
25. McFadden R-squared  [Slides](#)  [Video](#)
26. Assumptions of logistic regression, using R  [Slides](#)  [Videos](#)
27. Performing logistic regression in R  [Slides](#)  [Videos](#)
28. Interpreting R output for Logistic regression  [Slides](#)  [Video](#)
29. Interaction plots  [Slides](#)  [Video](#)
30. Equation adjustments based on interaction plots  [Slides](#)  [Video](#)
31. Estimating regression coefficients through search  [Slides](#)  [Video](#) [YouTube](#)

Recently Taught Courses

Course	Course Title	Enrollment	Duration	Term
HAP 476,002	Workshop in Health Informatics	40	08/20/2024 - 12/13/2024	Fall 2024
HAP 719, 002	Adv Stats Health Research I	24	01/16/2024 - 05/08/2024	Spring 2024
HAP 940, 006	Applied AI in Suicide Study	1	01/16/2024 - 05/08/2024	Spring 2024
HAP 823, 001	Comparative Effectiveness Analysis	21	01/16/2024 - 05/08/2024	Spring 2024
HAP 998, 003	Doctoral Dissertation Proposal	1	01/16/2024 - 05/08/2024	Spring 2024
HAP 436, 2D1	Electronic Health Data	27	01/16/2024 - 05/08/2024	Spring 2024
PH 695, 001	Practicum in Public Health	1	01/16/2024 - 05/08/2024	Spring 2024
HAP 690, 002	AI for Depression Management	1	08/21/2023 - 12/13/2023	Fall 2023
HAP 719, 003	Adv Stats Health Research I	21	08/21/2023 - 12/13/2023	Fall 2023
HAP 819, 001	Adv Stats Health Research II	12	08/21/2023 - 12/13/2023	Fall 2023
HAP 998, 002	Doctoral Dissertation Proposal	1	08/21/2023 - 12/13/2023	Fall 2023
HAP 940, 007	AI & Assessing Risk of Suicide	1	01/23/2023 - 05/17/2023	Spring 2023
HAP 823, 001	Comparative Effectiveness Analysis	24	01/23/2023 - 05/17/2023	Spring 2023
HAP 998, 003	Doctoral Dissertation Proposal	1	01/23/2023 - 05/17/2023	Spring 2023
HAP 690, 001	Health Data Interoperability	1	01/23/2023 - 05/17/2023	Spring 2023
HAP 940, 012	Medicare Lung Cancer Risk	1	08/22/2022 - 12/14/2022	Fall 2022
HAP 940, 013	Modeling Google Search Data	1	08/22/2022 - 12/14/2022	Fall 2022
HAP 725, 001	Stat Process Control Healthcare	17	08/22/2022 - 12/14/2022	Fall 2022
HAP 799, 001	Master's Thesis	2	05/23/2022 - 08/13/2022	Summer 2022
HAP 940, 001	Statistical Concepts and ML	1	01/24/2022 - 05/18/2022	Spring 2022
HAP 725, 001	Stat Process Control Healthcare	14	08/23/2021 - 12/15/2021	Fall 2021
HAP 499, 001	Agent-based System Change	1	05/17/2021 - 08/07/2021	Summer 2021
HAP 464, DL1	EHR Configuration/Data Analysis	24	01/25/2021 - 05/10/2021	Spring 2021
HAP 823, DL1	Comparative Effectiveness Analysis	3	08/24/2020 - 10/18/2020	Fall 2020
HAP 725, 001	Stat Process Control Healthcare	27	08/24/2020 - 12/16/2020	Fall 2020
HAP 725, 002	Stat Process Control Healthcare	1	10/19/2020 - 12/13/2020	Fall 2020
HAP 690, 003	AI in Lung Cancer	1	06/01/2020 - 08/22/2020	Summer 2020
HAP 799, 001	Master's Thesis	1	06/01/2020 - 08/22/2020	Summer 2020
HAP 725, 003	Stat Process Control Healthcare	6	04/27/2020 - 06/21/2020	Summer 2020
HAP 823, 002	Comparative Effectiveness Analysis	20	01/21/2020 - 05/20/2020	Spring 2020
HAP 999, 005	Doctoral Dissertation	2	01/21/2020 - 05/20/2020	Spring 2020
HAP 464, 001	EHR Configuration/Data Analysis	15	01/21/2020 - 05/20/2020	Spring 2020
HAP 799, 001	Master's Thesis	1	01/21/2020 - 05/20/2020	Spring 2020
HAP 675, 001	Proj in Health Data Analysis	6	01/21/2020 - 05/20/2020	Spring 2020
HAP 823, 001	Comparative Effectiveness Analysis	5	08/26/2019 - 10/20/2019	Fall 2019
HAP 999, 003	Doctoral Dissertation	2	08/26/2019 - 12/18/2019	Fall 2019
HAP 675, 001	Proj in Health Data Analysis	2	08/26/2019 - 12/18/2019	Fall 2019
HAP 725, 001	Stat Process Control Healthcare	18	08/26/2019 - 12/18/2019	Fall 2019
HAP 725, 002	Stat Process Control Healthcare	6	10/21/2019 - 12/15/2019	Fall 2019
HAP 725, DL3	Stat Process Control Healthcare	4	10/21/2019 - 12/15/2019	Fall 2019
HAP 998, A02	Doctoral Dissertation	1	05/20/2019 - 06/22/2019	Summer 2019
HAP 998, C01	Doctoral Dissertation	1	06/24/2019 - 07/27/2019	Summer 2019
HAP 708, 001	Quant Methods in Health Mgmt	3	04/29/2019 - 06/23/2019	Summer 2019
HAP 725, 001	Stat Process Control Healthcare	5	06/24/2019 - 08/18/2019	Summer 2019
HAP 725, 002	Stat Process Control Healthcare	1	06/24/2019 - 07/27/2019	Summer 2019
HAP 823, 002	Comparative Effectiveness Analysis	26	01/22/2019 - 05/15/2019	Spring 2019
HAP 998, 002	Doctoral Dissertation Proposal	2	01/22/2019 - 05/15/2019	Spring 2019
HAP 464, 001	EHR Configuration/Data Analysis	14	01/22/2019 - 05/15/2019	Spring 2019
HAP 721, 002	Project in Data Analysis	5	01/22/2019 - 05/15/2019	Spring 2019
HAP 690, 009	Quality Improvements	1	01/22/2019 - 05/15/2019	Spring 2019
HAP 690, 006	Causal Inference w/ SQL	1	08/27/2018 - 12/19/2018	Fall 2018

Graduate Thesis/Dissertation

Student Name	Type	Completed?	Your Role
Tim Coffin, Ph.D.	Ph.D.	Yes, 2020	Dissertation Committee Chair
Annie Lesway, Ph.D.	Ph.D.	Yes, 2019	Dissertation Committee Chair
Elina Guarlnik	Ph.D.	No	Dissertation Committee Chair
Jee Vang, Ph.D.	Ph.D.	Yes, 2008	Dissertation Committee Chair
Yili Lin	Ph.D.	No	Dissertation Advisor

Innovations in Teaching & Program Development

2024 Innovations

New course or Program Activity	Description	How Incorporated in Course?
Digital Marketing: Organized pilot digital marketing of international and U.S.A. students to potential preceptors	Organized databases for international students to identify companies that have provided H1b work visas in the past. Organized a process for faculty to introduce students to potential sites for preceptorships.	Enhanced student's LinkedIn pages through instruction and evaluations. Created an automated process for identifying potential preceptors and asked them if they are willing to sign affiliation agreements.
New Course Development: Organized workshop in Health Informatics to cover development of AI decision aids, HAP 786.	Focused the course on design of AI tools, including use of language models for medical history intake, use of network models to integrate language and machine learning models, use of machine learning for treatment selection, use of counterfactual modeling to provide actionable and explainable AI.	Course is available online. Workshop was structured around following topics: a. Common AI Challenge b. AI & Machine Learning c. Remove Algorithm Bias d. Actionable AI Advice e. Assessment of Impact
AI-Assisted Online Course Development: Prepared introductory and advance courses in statistics: HAP 719, HAP 819	Used AI to generate images, content, and videos for teaching concepts in HAP 719 course. the course to other faculty.	Asked ChatGPT to generate the text for teaching specific statistical concepts. Reviewed and corrected the text. Added visual images, where appropriate. Asked HeyGen to convert the text and images to videos. Posted videos as lectures in the course.
Open Courses: Maintained large number of open online courses that contribute to marketing of department programs	Create a web site in which all lectures, assignments, answers to assignments are openly maintained on the web without passwords. Monitored world wide utilization of the pages	Developed extensive library of U-Tube videos and made them freely available on the web.

Prior Years Course and Teaching Innovations

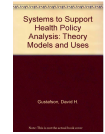
New Course Development: Designed experiential online courses with high levels of interaction (HAP 464 and HAP 725).	Used new teaching paradigms to increase interactions in online teaching to compensate for COVID-19 social isolation (paper based on the technique in review).	Students were taught in groups of 3 and required to do assignments in front of each other. Survey shows that students were actively talking in 80% of class time.
Development of New Concentration: Proposed a new concentration on quantitative health	Causal analysis of health policy, including multi-level modeling and propensity scoring	Used doctoral courses to create a bridge between health policy and MS in health informatics

policy, within Master of Science in Health Informatics		
Development of New Concentration: Proposed a new concentration in quality within MHA program	Met with MHA faculty and director to organize courses that would correspond to quality requirements. The concentration was approved by the faculty of the Department.	Used modified existing courses to organize the concentration

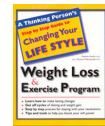
Published Books and Book Chapters

Books

- 1992 Systems to Support Health Policy Analysis: Theory, Models, and Uses.** DH Gustafson, WL Cats-Baril, F Alemi - Ann Arbor, Mich.: Health Administration Press, 1992. ISBN-13: 978-0910701730, ISBN-10: 0910701733 This book describes design of an information system for health policy makers.



- 2006 A Thinking Person's Weight loss and Exercise Program.** Alemi F, Neuhauser D. (Editors), Trafford Publishing, 2006. ISBN-10: 1412035627, ISBN-13: 978-1412035620. This book describes how process improvement can be used in context of personal improvement efforts.



- 2006 Decision analysis for healthcare managers.** Alemi F, Gustafson D. Health Administration Press, 2006. ISBN-13: 978-1567932560, ISBN-10: 1567932568. This is a textbook written for graduate students in health care administration and health professionals planning to use analytical tools for analysis of managerial decisions in health care settings.



- 2020 Big Data in Healthcare: Statistical Analysis of the Electronic Health Record.** Alemi F. Health Administration Press, 2020. ISBN-13: 978-1640550636, ISBN-10: 1640550631 This is a textbook for health informatics, statistical process control, and analysis of massive data.



Book Chapters

1. Kreps, G.L., Alemi, F., Carmack, S. Gustafson, D.H., Jacobson, J., Leykin, Y., Nambisan, P., Simons, J., Strang, J., & Xiao, Y. (2024, in-revision). Communicating about suicide on social media: An examination and proposal for how social media message interventions could help reduce risks of suicide among transgender, non-binary, and gender diverse (TNG) youth. In M. Alvarez, W. Bareiss, and J. Flanigan (Eds.), *Suicide and Popular Culture*. Bristol, UK: Bristol University Press.
2. Alemi F, Gibson B, Zema C. Real time application of electronic health record data. In: Eposito D, Migliaccio-Walle K, Molsen E, editors. *Reliability and validity of data sources for outcome research & disease and health management programs 1 ed.* Lawrenceville NJ 08648 USA: International Society for Pharmacoeconomics and Outcomes Research; 2013. Chapter 10; p.115-121. 467p.
3. Zema C, Simon S, Ho S, Kim E, Ahluwalia J, Einhorn AB, Alemi F, Gibson B. Strengths and weakness of using electronic health records for health and disease management. In: Eposito D, Migliaccio-Walle K, Molsen E, editors. *Reliability and validity of data sources for outcomes research and disease and health management programs 1 ed.* Lawrenceville NJ 08648: International Society for Pharmacoeconomics and Outcomes Research; 2013. Chapter 8; p.98-106. 467p
4. Alemi F, Mosavel M. Delivering care over telephone lines: Telephone Bulletin Boards reduce clinic utilization. In: Segre G, editor. *Wellness and Prevention Sourcebook* New York, NY 10001 USA: Faulkner & Gray's; 1998. Chapter 8; p.306-314. 498p

Peer Reviewed Journal Publications

2024 Publications

1. **Alemi F**, Soylu TG, Cannon M, McCandless C. [Effectiveness of Antidepressants in Combination with Psychotherapy](#). J Ment Health Policy Econ. 2024 Mar 1;27(1):3-12. PMID: 38634393.
2. **Alemi F**, Maddox PJ. Replacing Alumni Surveys with Web Searches. Health Profession Education, In press.
3. **Alemi F**, Unified Approach to Mediation Analysis and Causal Networks: Application to Diagnosis of COVID-19 from Its Symptoms. Quality Management in Health Care, In press.
4. **Alemi F**, Vongala MR, Durbha SSKRTN, Zargoush M. [Two Nearest Means Method: Regression through Searching in the Data](#). Fortune Journal of Health Sciences, 7 (2024): 60-67.

2023 Publications

5. **Alemi F**, Lee KH, Vang J, Lee D, Schwartz M. [Social and Medical Determinants of Diabetes: A Time-Constrained Multiple Mediator Analysis](#). Cureus. 2023 Sep 29;15(9):e46227. doi: 10.7759/cureus.46227. eCollection 2023 Sep.PMID: 37905243
6. **Alemi F**, Lee KH. [Impact of Political Leaning on COVID-19 Vaccine Hesitancy: A Network-Based Multiple Mediation Analysis](#). Cureus. 2023 Aug 9;15(8):e43232. doi: 10.7759/cureus.43232. eCollection 2023 Aug.PMID: 37692573
7. **Alemi F**, Carmack S, Gustafson D, Jacobson J, Kreps GL, Nambisan P, Remezani N, Simons J, Xiao Y [Support for the Kids Online Safety Act \(KOSA\). With Caution](#). Qual Manag Health Care. 2023 Oct-Dec 01;32(4):278-280. doi: 10.1097/QMH.0000000000000424. Epub 2023 Jun 20.PMID: 37348081.
8. Min H, **Alemi F**, Wojtusiak J. [Selecting Antidepressants Based on Medical History and Stress Mechanism](#). Cureus. 2023 Apr 4;15(4):e37117. doi: 10.7759/cureus.37117. eCollection 2023 Apr.PMID: 37168173
9. **Alemi F**, Vang J, Wojtusiak J, Guralnik E, Peterson R, Roess A, Jain P. [Differential diagnosis of COVID-19 and influenza](#). PLOS Glob Public Health. 2022 Jul 21;2(7):e0000221. doi: 10.1371/journal.pgph.0000221. eCollection 2022.PMID: 36962332
10. Lee KH, **Alemi F**, Yu JV, Hong YA. [Social Determinants of COVID-19 Vaccination Rates: A Time-Constrained Multiple Mediation Analysis](#). Cureus. 2023 Feb 17;15(2):e35110. doi: 10.7759/cureus.35110. eCollection 2023 Feb.PMID: 36938296
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