

FARROKH ALEMI'S CURRICULUM VITAE

Personal Information

Office Address: George Mason University
Department of Health Adm. & Policy
4400 University Drive, MS:1J3
Northeast Module I
Fairfax, VA 22030-4444

Citizenship: USA

Education

Bachelor of Science Industrial and Systems Engineering
Dept. University of Wisconsin-
Madison
3270 Mechanical Engineering Bldg.
1513 University Avenue
Madison, WI 53706
September 1972 – May 1976

Master of Science Industrial and Systems Eng. Dept.
University of Wisconsin-Madison
3270 Mechanical Engineering Bldg.
1513 University Avenue
Madison, WI 53706
September 1976 – May 1978

Ph.D. Industrial and Systems Eng. Dept.
University of Wisconsin-Madison
3270 Mechanical Engineering Bldg.
1513 University Avenue
Madison, WI 53706
September 1978 – May 1983
Dissertation focused on measurement
of severity of heart attacks.

Post-Doctoral Robert Wood Johnson Faculty
Fellowship in Healthcare Finance
Center for Hospital Finance
Johns Hopkins University
624. N. Broadway, 4th Floor
Baltimore, MD 21205
September 1985 - September 1986

Professional Experience

Dates of service: September 2015 – Present
Title: Tenured Professor
Dept. of Health Adm. & Policy
School of Health Sciences
Institution: **George Mason University**

Dates of service: July 16th 2012 – May 30 2015
Title: Chief of Office of Performance Improvement
Institution: **Washington DC VA Medical Center**

Dates of service: May 23rd 2011 – July 16th 2012
Title: Chief of Research and Development
Institution: **Bay Pines VA Healthcare System**

Dates of service: September 2008 – May 23rd 2011
Title: Associate Professor
Institution: Dept. of Health Systems Administration
School of Nursing and Health Studies
Georgetown University

Dates of service: September 1999 – August 2008
Title: Tenured Prof. & Acting Asst. Dean
Dept. of Health Adm. & Policy
School of Health Sciences
Institution: **George Mason University**

Dates of service: September 1989 – August 1998
Title: Tenured Associate Professor
Department of Health Care Adm.
Institution: **Cleveland State University**

Dates of service: September 1987 – August 1989
Title: Director
Institution: Division of Health Services Research
Center for Research in Medical Edu.
and Health Care
Address: **Jefferson Medical College**

Dates of service: September 1983 – August 1986
Title: Assistant Professor
Institution: Dept. of Health Systems Mgmt., School
of Public Health and
Tropical Medicine
Address: **Tulane University**

FUNDED RESEARCH PROJECTS

Selective VA Projects

Agency: Denver Veteran Affairs Medical Center
Identifying number: None
Title of project: Analysis of VA Data Warehouse to Evaluate cost and impact of medical foster home program
Dates of project: 10/1/2011-9/30/2017
Role on project: Investigator
Percent effort: 20%
Total dollar amount: \$850,000

Agency: New York University
Identifying number: None
Title of project: Predictors of Diabetes
Dates of project: 10/1/2016-10/1/2017
Role on project: Principal Investigator
Percent effort: 5%
Total dollar amount: \$40,000

Agency: VA Office of Equity
Identifying number: None
Title of project: Analysis of VA Data Warehouse to Establish Impact of Racial Disparities on Readmission Rate
Dates of project: 10/1/2014-10/1/2015
Role on project: Investigator
Percent effort: 20%
Total dollar amount: \$120,000

Agency: Washington DC Medical Center of the Veteran Administration
Identifying number: None
Title of project: Analysis of VA Data Warehouse to Establish Comparative effectiveness of diabetes medication
Dates of project: 10/1/2010-10/1/2011
Role on project: Investigator
Percent effort: 20%
Total dollar amount: \$100,000

DoD Funded Project

Agency: Department of Defense, Force Health Protection and Readiness
Identifying number: W74V8H-04-D-0024
Title of project: Enhance the Department of Defense Worldwide Syndrome Surveillance System
Dates of project: 04/01/2008-08/31/2009
Role on project: Investigator
Percent effort: 5%, \$30,000
Total dollar amount: \$250,000

NIH Funded Projects

Agency: National Institute of Alcohol Abuse & Alcoholism
Identifying number: 5R01 AA017192-02
Title of project: Developing and Testing a Computer-Based Alcohol Use Disorder Recovery System
Dates of project: 09/01/2009-08/31/2010
Role on project: PI of subcontract to Georgetown
Percent effort: 5%, \$25,055
Total dollar amount: \$3 million

Agency: National Institute of Heart Lung and Blood
Identifying number: R01 HL084767
Title of project: System Change for Exercise Maintenance in Older Cardiac Patients
Dates of project: 09/1/2006 - 09/1/2010
Role on project: Co-investigator
Percent effort: 16.8% year 1, 8.2% year 2, total
Total dollar amount: \$67,489
\$2.7 million

Agency: National Institute of Drug Abuse
Identifying number: R18 DAO913
Title of project: Extended case management of cocaine addicted pregnancy
Dates of project: 09/1/1992- 09/1/1995
Role on project: Principal Investigator
Percent effort: 20%
Total dollar amount: \$1,144,705

Agency: National Institute of Drug Abuse
Identifying number: 9802247300
Title of project: Cost of Substance Abuse Treatment

Dates of project: 10/11/00 - 10/01/03
Role on project: Co-investigator
Percent effort: 20% time
Total dollar amount: \$213,095 for the subcontract to Alemi

Agency: The National Institute of Standards and Technology

Identifying number: None

Title of project: National Capital Region Critical Infrastructure Project

Dates of project: 3/1/2004 -3/1/2005

Role on project: Principal Investigator of Subcontract

Percent effort: 16% time

Total dollar amount: \$80,000 for the subcontract to Alemi

**Other Funded
Projects**

Agency: George Washington University

Identifying number: None

Title of project: Organization of a health Informatics Program for George Washington's School of Public Health

Dates of project: 9/1/2000 - 3/1/2001

Role on project: Principal Investigator

Percent effort: 50%

Total dollar amount: \$42,000

Agency: Robert Wood Johnson Foundation

Identifying number: 041106

Title of project: Reimbursement Policy for Online Substance Abuse Treatment

Dates of project: 1/1/01 - 12/31/04

Role on project: Principal Investigator

Percent effort: 10% time

Total dollar amount: \$350,573

PUBLICATIONS

- 1) Alemi, F., Mazloum-Yazdi, A., & Peppard, L. (2017). Citalopram is less effective for patients with neurological disorder and/or post-traumatic stress disorder. *Personalized Medicine in Psychiatry*. <http://dx.doi.org/10.1016/j.pmip.2017.07.003>
- 2) Tuck, M.G., Alemi, F., Shortle, J.F., Avramovic, S., & Hesdorffer, C. (2017, March). A comprehensive index for predicting risk of anemia from patients' diagnoses. *Big Data*, 5(1):42-52.
- 3) Alemi, F., ElRafey, A., & Avramovic, I. (2016, December 14). Covariate balancing through naturally occurring strata. *Health Serv Res*.
- 4) Min, H., Avramovic, S., Wojtusiak, J., Khosla, R., Fletcher, R.D., Alemi, F., Elfadel, K.R. (2017, January). A comprehensive multimorbidity index for predicting mortality in intensive care unit patients. *J Palliative Med*, 20(1):35-41.
- 5) Alemi, F., Levy, C.R., Kheirbek, R.E. (2016, October 13). The multimorbidity index: A tool for assessing the prognosis of patients from their history of illness. *EGEMS (Wash DC)*. 4(1): 1235.
- 6) Sutton, B.S., Pracht, É., Williams, A.R, Alemi F, Williams, A.E., & Levy, C. (2016, April 29). Budget impact analysis of veterans affairs medical foster homes versus community living centers. *Population Health Management*.
- 7) Levy, C.R., Alemi, F., Williams, A.E., Williams, A.R., Wojtusiak, J., Sutton, B.,...Argyros, L. (2016, February). Shared homes as an alternative to nursing home care: Impact of VA's medical foster home program on hospitalization. *Gerontologist*. 56(1):62-71.
- 8) Williams, A.R., Williams, D.D., Williams, P.D., Alemi, F., Hesham, H., Donley B., & Kheirbek R.E. (2015). The development and application of an oncology therapy-related symptom checklist for adults (TRSC) and children (TRSC-C) and e-health applications. *Biomed Eng Online*. 14 Suppl 2:S1.
- 9) Levy, C.R., Zargoush, M., Williams, A.E., Williams, A.R., Giang, P., Wojtusiak, J., Kheirbek, R.E., & Alemi, F. (2016 February). Sequence of functional loss and recovery in nursing homes. *Gerontologist*. 56 (1): 52-61.
- 10) Pracht, E.E., Levy, C.R., Williams, A., Alemi, F., & Williams, A.E. (2015). The VA medical foster home program, ambulatory care sensitive conditions, and avoidable hospitalizations. *American Journal of Medical Quality*.
- 11) Wojtusiak, J., Levy, C.R., Williams, A.E., & Alemi, F. (2016, February). Predicting functional decline and recovery for residents in veterans affairs nursing homes. *Gerontologist*. 56(1):42-51.
- 12) Pracht, E.E., Levy, C.R., Williams, A., Alemi, F., & Williams A.E. (2015, August 6). The VA medical foster home program, ambulatory care sensitive conditions, and avoidable hospitalizations. *American Journal of Medical Quality*.
- 13) Wojtusiak, J., Levy, C.R., Williams, A.E., & Alemi, F. (2015, July 16). Predicting functional decline and recovery for residents in veterans affairs nursing homes. *Gerontologist*.

- 14) Williams, A.R., Williams, D.D., Williams, P.D., Alemi, F., Hesham, H., Donley, B., & Kheirbek, R.E. (2015 August 13). The development and application of an oncology therapy-related symptom checklist for adults (TRSC) and children (TRSC-C) and e-health applications. *Biomed Eng Online.*; 14 Suppl 2:S1.
- 15) Kheirbek, R.E., Beygi, S., Zargoush, M., Alemi, F., Smith, A.W., Fletcher, R.D., ... Hawkins, B.A. (2015, September). Causal analysis of emergency department delays. *Quality Management In Health Care*, 24(3):162-6.
- 16) Kheirbek, R.E., Alemi, F., & Fletcher, R. (2015). Heart failure prognosis: Comorbidities matter. *Journal of Palliative medicine*, 18(5):447-52.
- 17) Khaliq, Q., Riaz, M., & Alemi, F. (2014, June). Performance of Tukey's and individual/moving range control charts. *Quality and Reliability Engineering*.
- 18) Levy, C., Kheirbek, R., Alemi, F., Wojtusiak, J., Sutton, B., Williams, A.R., & Williams, A. (2015, February). Predictors of six-month mortality among nursing home residents: diagnoses may be more predictive than functional disability. *Journal of Palliative Medicine*, 18(2):100-6
- 19) Williams, A.R., Williams, D., Williams, P.D., Alemi, F., Hesham, H., Donley, B., Kheirbek, R.E. The development and application of an oncology therapy related symptom checklist for adults (TRSC) and children (TRSC-C). *BMC Bioinformatics*, in print.
- 20) Zargoush, M., & Alemi, F. (2014). *Dependent Bayesian analysis: Application to text analysis*. SAGE Research Methods Cases. London, United Kingdom: SAGE Publications, Ltd. doi: <http://dx.doi.org/10.4135/978144627305014534934>
- 21) Alemi, F. (2014, October 9). Foreward to special issue on health analytics. *Health Care Management Science*.
- 22) Alemi, F., & Jasper, H. (2014, March). An alternative to satisfaction surveys: Let the patients talk. *Quality Management in Health Care*, 23(1): 10-9.
- 23) Nassar, A.F., Alemi, F., Hetmyer, A., Alemi, Y., Randolph, L.A., & Ramey, S.L. (2014, February). Automated monitoring to detect H1N1 symptoms among urban, Medicaid-eligible, pregnant women: A community partnered randomized controlled trial. *J Community Health*. 39(1): 159-66.
- 24) Kheirbek, R.E., Alemi, F., & Zargoush, M. (2013, December). Comparative effectiveness of hypoglycemic medications among veterans. *Journal of Managed Care & Specialty Pharmacy*, 19(9): 740-4.
- 25) Zargoush, M., Alemi, F., Esposito Vinzi, V., Vang, J., & Kheirbek, R. (2013, September 19). A psychological approach to learning causal networks. *Health Care Management Science*.
- 26) Alemi, F., Torii, M., Pattie, D., & Atherton, M. (2013, August). Continuously rethinking definition of influenza for surveillance systems: A dependent Bayesian expert system. *Journal of Medical Decision Making*, 33(6): 860-8.

- 27) Kheirbek, R.E., Alemi, F., Citron, B.A., Afaq ,M.A, Wu, H., & Fletcher, R.D. (2013, May).Trajectory of illness for patients with congestive heart failure. *Journal of Palliative Medicine*, 16(5): 478-84.
- 28) Burda, C., Haack, M., Duarte, A.C., & Alemi, F. (2012, November). Medication adherence among homeless patients: A pilot study of cell phone effectiveness. *Journal of the American Association of Nurse Practitioners*. 24(11): 675-81.
- 29) Alemi, F., Torii, M., Clementz, L., Aron, D.C. (2012, March).Feasibility of real time satisfaction surveys through automated analysis of patients' unstructured comments and sentiments. *Quality Management in Health Care*. 21(1): 9-19.
- 30) Alemi F, Torii M, Atherton MJ, Pattie DC, Cox KL. Bayesian processing of context-dependent text: reasons for appointments can improve detection of influenza. *Medical Decision Making*. 2012 Mar-Apr; 32(2): E1-9.
- 31) Alemi F, Zargoush M, Oakes JL, Edrees H. A Simple Method for Causal Analysis of Return on IT Investment. *Journal of healthcare engineering*. 03/2011; 2(1):43-54.
- 32) Alemi F, Uriyo M. Accuracy of claims-based measures of severity of childhood illnesses, *Health Outcomes Research in Medicine*, 2011. 2 (2): e71-e78.
- 33) Alemi F, Zargoush M, Erdman H, Vang J, Epstein S, Ayman F. Genetic markers anticipate response to citalopram in a majority of patients. *Psychiatr Genet*. 2011 Dec;21(6):287-93.
- 34) Alemi F, Baghi H. Measurement of substance abuse treatment outcomes over time. *Quality Management in Health Care* 01/2010; 19(2):129-36.
- 35) Alemi F, Haack M, Nemes S, Harge A, Baghi H, Wang A. Impact of online counseling on drug use: a pilot study. *Quality Management in Health Care*, 2010, 19(1).
- 36) Savory DJ, Cox KL, Emch M, Alemi F, Pattie DC. Enhancing spatial detection accuracy for syndromic surveillance with street level incidence data. *International Journal of Health Geographics* 01/2010; 9:1.
- 37) Alemi F, Baghi H. Measurement of Drug Use over Time: Procedures for Monitoring Impact of Substance Abuse Treatment on Drug Use. *Quality Management in Health Care*, 2010, 19(1).
- 38) Alemi F, Erdman H, Griva I, Evans CH. Improved statistical methods are needed to advance personalized medicine. *The Open Translational Medicine Journal* 2009; 1(1):16-20.
- 39) Alemi F. Hurd P. Rethinking satisfaction surveys: days to next complaint. *The Joint Commission Journal on Quality and Patient Safety*, 2009, 35(3): 156-61.
- 40) Fornili K, Alemi F. Medicaid Reimbursement for Screening and Brief Intervention: Amending the Medicaid State Plan and Approving State Appropriations for the Medicaid State Match. *Journal of Addictions Nursing* 07/2009; 18(4):225-232.
- 41) Alemi F, Maddox PJ. Open courses: one view of the future of online education. *J Health Adm Educ*. 2008 Fall;25(4):329-42.

- 42) Alemi F, Badr N, Kulesz S, Walsh C, Neuhauser D. Rethinking satisfaction surveys: Minute Survey. *Quality Management in Health Care*, 2008, 17, 4: 275-286.
- 43) Sinkule JA, Alemi F. Helping clients think through their causal models: application to counseling clients to exercise. *Quality Management in Health Care*. 2008 Jan-Mar; 17(1):66-79.
- 44) Alemi F, Moore S, Baghi H. Self-experiments and analytical relapse prevention. *Quality Management in Health Care*. 2008 Jan-Mar; 17(1):53-65.
- 45) Alemi F. Probabilistic Risk Assessment is practical. *Quality Management in Health Care* Vol. 16, No. 4, pp. 299–309, 2007.
- 46) Alemi F. Tutorial on Discrete Hazard Functions. *Quality Management in Health Care* Vol. 16, No. 4, pp. 310–319, 2007.
- 47) Alemi R, Alemi F. A practical limit to trials needed in one-person randomized controlled experiments. *Quality Management in Health Care*. 2007 Apr-Jun; 16(2):130-4.
- 48) Alemi F, Sullivan T. An example of activity based costing of treatment programs. *American Journal of Drug and Alcohol Abuse*. 2007; 33(1):89-99.
- 49) Alemi F, Loaiza F, Vang J. Probabilistic master lists: integration of patient records from different databases when unique patient identifier is missing. *Health Care Management Science*. 2007 Feb; 10(1):95-104.
- 50) Alemi F, Haack MR, Nemes S, Aughtburns R, Sinkule J, Neuhauser D. Therapeutic emails. *Substance Abuse Treatment, Prevention, and Policy*. 2007 Feb 16; 2: 7.
- 51) Alemi F, Taxman F, Baghi H, Vang J, Thanner M, Doyon V. Costs and benefits of combining probation and substance abuse treatment. *The Journal of Mental Health Policy and Economics*. 2006 Jun; 9(2): 57-70.
- 52) Alemi F, Walters SR. A mathematical theory for identifying and measuring severity of episodes of care. *Quality Management in Health Care*. 2006 Apr-Jun; 15(2): 72-82.
- 53) Haack M, Alemi F, Nemes S, Cohen JB. Experience with family drug courts in three cities. *Journal of Substance Abuse Treatment*. 2005 Dec; 25(4): 17-25.
- 54) Alemi F, Baghi H. Simulated environment is not appropriate. *Quality Management in Health Care*. 2005 Jul-Sep; 14(3): 165-6.
- 55) Haack, M., Alemi, F., Nemes, S., Harge, A., Burda-Cohee, C. Facilitating Self-Management of Substance Use Disorders with Online Counseling: The Intervention and Study Design, *Journal of Addictions Nursing*. 2005, 16 (1-2): 41-46.
- 56) Alemi, F., Haack, M.R., Harge, A., Dill, R., Benson, L. Engaging client's family and friends in online counseling. *Journal of Addictions Nursing*. 2005, 16 (1-2): 47-55.
- 57) Alemi F, Taxman F, Doyon V, Thanner M, Baghi H. Activity based costing of probation with and without substance abuse treatment: a case study. *Journal of Mental Health Policy and Economics*. 2004 Jun; 7(2): 51-7.
- 58) Alemi F, Neuhauser D. Time-between control charts for monitoring asthma attacks. *Joint Commission Journal for Quality and Safety* 2004 Feb; 30(2): 95-102.

- 59) Alemi F, Haack M, Nemes S. Statistical definition of relapse: Case of family drug court. *Addictive Behaviors* 2004 Jun; 29(4): 685-98. Listed in CORK bibliography on relapse, an independent web-based clearinghouse of major publications in substance abuse treatment prepared at Dartmouth University. American Bar Association's Center on Children and Law prepared a special report on this article and its implications for judges in family courts
- 60) Alemi F, Pawloski L, Fallon WF Jr. System thinking in a personal context to improve eating behaviors. *Journal of Healthcare Quality* 2003 Mar-Apr; 25(2): 20-5.
- 61) Alemi F, Stephens R, Llorens S, Schaefer D, Nemes S, Arendt R. The Orientation of Social Support measure. *Addictive Behaviors* 2003 Sep; 28(7): 1285-98.
- 62) Alemi F, Maddox PJ, Prudius V, Doyon V. Evaluating Medicaid HMOs when encounter data are missing: case of developmentally delayed children. *Health Care Management Science*. 2003 Feb; 6(1): 37-42.
- 63) Alemi F, Haack M, Holifield L, Claudio Y, Haqqi K. Unit cost of counseling and patients length of stay in a residential drug treatment setting. *Journal of Mental Health Policy and Economics*. 2002 Sep; 5(3):103-7.
- 64) Alemi F, Safaie FK, Neuhauser D. A survey of 92 quality improvement projects. *Joint Commission Journal of Quality Improvement*. 2001 Nov; 27(11): 619-32.
- 65) DiSalvio PS, Alemi F. The state of online education in health administration programs. *Journal of Health Administration Education*. 2001, 19:1 1-8.
- 66) Alemi F, Sullivan T. Tutorial on risk adjusted X-bar charts: applications to measurement of diabetes control. *Quality Management in Healthcare* 2001; 9(3): 57-65.
- 67) Alemi F, Oliver DW. Tutorial on risk-adjusted P-charts. *Quality Management in Healthcare* 2001; 10(1): 1-9.
- 68) Alemi F, Haack MR, Nemes S. Continuous improvement evaluation: a framework for multi-site evaluation studies. *Journal of Healthcare Quality* 2001 May-Jun; 23(3): 26-33.
- 69) Alemi F. Management matters: technology succeeds when management innovates. *Frontiers of Health Services Management* 2000 Fall; 17(1):17-30. See also discussion of the paper in DeLuca JM, Enmark R. This is an invited article with four commentaries and reviews. Dr. Alemi's reply to the commentaries also follows these publications, see pages 31 through 51.
- 70) Alemi F, Neuhauser D, Ardito S, Headrick L, Moore S, Hekelman F, Norman L. Continuous self-improvement: systems thinking in a personal context. *Joint Commission Journal on Quality Improvement* 2000 Feb; 26(2): 74-86. Translated to Arabic, Norwegian and to Chinese. Discussed in mass media including front cover of Shape Magazine. See Strote MA. "How Smart Women Lose Weight." *Shape Magazine*, November 2000, 132-136. Also see "What successful dieters know about losing weight?" *Redbook*, April 2001, 54.
- 71) Patrick K, Robinson TN, Alemi F, Eng TR. Policy issues relevant to evaluation of interactive health communication applications. *The Science Panel on Interactive Communication and Health*. *American Journal of Preventive Medicine*. 1999 Jan; 16(1):35-42

- 72) Alemi F, Walker L, Carey J, Leggett J. Validity of three measures of severity of AIDS for use in health services research studies. *Health Service Management Research*. 1999 Feb; 12(1): 45-50.
- 73) Woodward RS, Alemi F, Larsson L, Lee JM, Smith T, Perez TH, Dalston JW, Reed L, Kress JR. Integrating the Internet into health administration education: a report from AUPHA's Faculty Internet integration task force. *The Journal of Health Administration Education*. 1999; 17(4): 259-70.
- 74) Walker LR, Alemi F, Headrick L, Moore S, Neuhauser D, Hekelman F, Pioche V. Use of voice mail in teaching commuting students. *The Journal of Health Administration Education*, 1998, 16: 3, 268.
- 75) Alemi F, Walker LR, Minter R. Internet course on total quality management. *The Journal of Health Administration Education*, 1998; 16(3): 267-82.
- 76) Alemi F. Virtual Managed Care Organizations: The implications of technology based patient management. *The American Journal of Managed Care*, 1998; 4(3): 415-418.
- 77) Alemi F, Moore S, Headrick L, Neuhauser D, Hekelman F, Kizys N. Rapid improvement. *Joint Commission Journal Quality Improvement* 1998 March; 24(3): 119-129.
- 78) Headrick LA, Moore SM, Alemi F, Hekelman F, Kizys N, Miller D, Neuhauser D. Using PDSA (Plan-Do-Study-Act) to establish academic-community partnerships: the Cleveland experience. *Quality Management in Healthcare*. 1998; 6(2): 12-20.
- 79) Alemi F, Jackson M, Parren T, Williams L, Cavor B, Llorens S, Mosavel M. Participation in teleconference support groups: application to drug-using pregnant patients. *Journal of Medical Systems*, 1997 Apr; 21(2): 119-125
- 80) Alemi F, Alemagno SA, Goldhagen J, Ash L, Finkelstein B, Lavin A, Butts J, Butler K, Ghadiri A, Heineke N. Computer reminders improve on-time immunization rates. *Medical Care* 1996, 34 (10) Supplement on Computer Services to Patients Homes through Their Telephones.
- 81) Eisenstein EL, Alemi F. A comparison of three techniques for rapid model development: an application in patient risk-stratification. *Proceedings of American Medical Information Association Annual Fall Symposium 1996*; Pages: 443-447. Winner of best dissertation of the year award.
- 82) Alemi F, Stephens RC, Mosavel M, Ghadiri A, Krishnaswamy J, Thakkar H. Electronic Self Help and Support Groups: A Voice Bulletin Board. *Medical Care* 1996, 34 (10) Supplement on Computer Services to Patients Homes through Their Telephones.
- 83) Alemi F, Stephens RC, Muise K, Dyches H, Mosavel M, Butts J. Educating patients at home: Community Health Rap. *Medical Care* 1996, 34 (10) Supplement on Computer Services to Patients Homes through Their Telephones.
- 84) Alemi F, Stephens RC. Description of services and summary of findings. *Medical Care*, Supplement on Computer Services to Patients Homes through Their Telephones. 1996, 34 (10).
- 85) Alemi F, Stephens RC. Epilogue. *Medical Care*, 1996, 34 (10) Supplement on Computer Services to Patients Homes through Their Telephones.

- 86) Moore SM, Alemi F, Headrick LA, Hekelman F, Neuhauser D, Novotny J, Flowers AD. Using learning cycles to build an interdisciplinary curriculum in CI for health professions students in Cleveland. *The Joint Commission Journal for Quality Improvement*, 1996 Mar; 22(3): 165-171.
- 87) Alemi F, Stephens RC, Javalghi RG, Dyches H, Butts J, Ghadiri A. A randomized trial of a telecommunications network for pregnant women who use cocaine. *Medical Care*, 1996 Oct; 34 (10 Supplement): OS10-OS20.
- 88) Alemi F, Stephens RC, Llorens S, Orris B. A review of factors affecting treatment outcome: Expected Treatment Outcome scale. *Journal of Drug and Alcohol Abuse*, 1995, 21 (4): 483 - 509.
- 89) Alemi F, Higley P. Reactions to talking computers assessing health risks. *Medical Care*, 1995, 33 (1): 227-233.
- 90) Driver JF, Alemi F. Forecasting without historical data: Bayesian probability models utilizing expert opinions. *Journal of Medical Systems*, 1995, 19, (4): 359-374.
- 91) Alemi F, Stephens R, Parren T, Llorens S, Bhatt P, Ghadiri A, Eisenstein E. Automated monitoring of patients: Application to treatment of drug abuse. *Medical Decision Making*, 1994; 14: 180-187.
- 92) Eisenstein EL, Alemi F. An evaluation of factors influencing Bayesian learning systems. *Journal of the American Medical Informatics Association*, 1994, 1: 274-284.
- 93) Alemi F. Improving the accuracy of severity indexes: Exceptions to the rules. *Medical Decision Making*, 1992; 12 (1): 8-14.
- 94) Alemi F, Turner B, Markson L, Szorady R, Maccaron T. Severity of the course of AIDS. *Interfaces*, 1991; 21 (3): 105-116.
- 95) Alemi F. Note on controlling risk in capitation payment: Actuaries rate HMOs in a different fashion. *Medical Care*, 1990, 28 (10): 990-992.
- 96) Alemi F, Rice J, Hankins W. Predicting in-hospital survival of myocardial infarction: A comparative study of various severity measures. *Medical Care*, 1990; 28 (9): 762-775.
- 97) Alemi F, Fos P, Lacorte W, Siegel PZ. A demonstration of methods for studying negotiations between physicians and health care managers, *Decision Sciences*, 1990, 21 (3): 633-641.
- 98) Alemi F, Alemi M. A computer aid for choosing HMOs: Design of a new interface. *Journal of Medical Systems*, 1989; 13 (4): 215-220.
- 99) Alemi F, Cherry F, Meffret G. Can rehearsing decisions help teenagers? *Computers in Biology and Medicine*, 1989; 19: 4, 283-290.
- 100) Alemi F, Agliato J, Restricting patient's choice of physicians: A decision analytic evaluation of costs, *Interfaces* 1989, 2: 20-28.
- 101) Alemi F. Subjective and objective methods of program evaluation. *Evaluation Review* 1988; 11 (6): 765-774.
- 102) Alemi F, Stokes J III, Rice J, Karim E, Lacorte W, Saligman L, Nau R. Appraisal of modifiable hospitalization risks. *Medical Care* 1987; 25 (7): 582-591.
- 103) Alemi F. Explicated models constructed under time pressure: utility modeling versus process tracing. *Organization Behavior and Human Decision Processes* 1986; 38: 133-140.

- 104) Alemi F, Gustafson DH, Johnson M. How to construct a subjective index. *Evaluation and the Health Professions*, 1986; (9): 42-52.
- 105) Alemi F. Decision analysis in health administration programs: An experiment. *Journal of Health Administration Education*, 1986; 4: 45-61.
- 106) Gustafson, D.H., Fryback, D., Rose, J., Prokop, C., Detmer, D., Rossmeissel, J.,... Carnazzo, A. An evaluation of multiple trauma severity indices created by different index development strategies. *Medical Care*, 1983; 21: 674-691.

Committee Articles

- 107) Gustafson, D.H., Fryback, D., Rose, J., Prokop, C., Detmer, D., Rossmeissel, J., ... Carnazzo, A. (1983). An evaluation of multiple trauma severity indices created by different index development strategies. *Medical Care*, 21: 674-691.
- 108) (1999). Science panel on interactive communication and health. *Wired for health and well-being: The Emergence of Interactive Health Communication*. Eng TR, Gustafson DH, editors. Washington DC: US Department of Health and Human Services, US, Government Printing Office.
- 109) Eng, T.R., Gustafson, D., Henderson, J., Jimison, H., & Patrick, K., (1999). For the science panel on interactive communication and health. Introduction to evaluation of interactive health communication applications. *American Journal of Preventive Medicine*.
- 110) Gustafson, D.H, Robinson, T.N., Ansley, D., Adler, L., & Brennan, P.F. (1999). The science panel on interactive communication and health. Consumers and evaluation of interactive health communication applications. *American Journal of Preventive Medicine*.
- 111) Henderson, J., Noell, J., Reeves, T., Robinson, T.N., & Strecher V.(1999). The science panel on interactive communication and health. Developers and evaluation of interactive health communication applications. *American Journal of Preventive Medicine*.
- 112) Jimison, H., Adler, L., Coye, M., Mulley Jr., A., & Eng, T.R. (1999). The science panel on interactive communication and health. Health care providers and purchasers and evaluation of interactive health communication applications. *American Journal of Preventive Medicine*.
- 113) Robinson, T.N., Patrick, K., Eng, T.R., & Gustafson, D. (1998, October 14). The science panel on interactive communication and health. An evidence based approach to interactive health communication: A challenge to medicine in the information age. *Journal of American Medical Association*, Vol. 280:1264-1269.

Patents

- 114) Alemi, F. (2012). Sentiment analysis through context dependent probability models. Provisional Patent 61/58255 filed.
- 115) Alemi F. (2010, June 4). US patent provisional application No. 61/351,749. Patients like me algorithms for predicting response to medications (genetic

markers predict response to citalopram). Georgetown University Reference Number 2010-025.

- 116) Alemi F.(2007, December 11) An algorithm for tailoring medication to patient's characteristics. Provisional patent application GMU-08-009P2, application number 61/012,802.
- 117) Alemi, F., & Prudius, V. (2002, January). A mathematical theory for identifying and measuring severity of episodes of care. Patent application 10,054,706, George Mason University.

Books

- 118) Alemi, F., Duncan, N., Benson, L., Dill, R., Moore, S.M., Norman, L..., Smith E. (2006). A thinking person's weight loss & exercise program. Trafford Publishing: Victoria, British Columbia, Canada, 2006. See also translation of the book in Neuhauser D, Ardito S, Alemi F. Personliches Qualitätsmanagement Arbeitsbuch ISBN 3-930823-63-2 Hultensch Verlag 2007.
- 119) Alemi, F., & Gustafson, D.H. (2006). Decision analysis for health care. Health Administration Press: Ann Arbor, Michigan.
- 120) Gustafson, D.H., Cats-Baril, W.L., Alemi, F. (1992). Systems to support health policy analysis: Theory, models, and uses. Health Administration Press: Ann Arbor, Michigan.

Chapters of Books

- 121) Alemi, F., & Zargoosh, M. (2010, December). Causal risk analysis: Revisiting the VIOXX study. In Handbook of Healthcare Delivery, Y Yih (editor) CRC Press.
- 122) Zema, C.L., Simon, S.R., Ho, S., Kim, E., Ahluwalia, J., Einhorn, A., Alemi, F., & Gibson, B.R. (2010). Methodological issues. In: Turpin R, Hay J, Migliaccio-Waller K, Arnold R, eds. In: Reliability and Validity of Data Sources in Disease Management. Lawrenceville, NJ: International Society for Pharmacoeconomics and Outcomes Research (accepted for publication).
- 123) Alemi, F., Gibson, B.R., & Zema, C.L. (2010). Real-time applications. In: Turpin R, Hay J, Migliaccio-Waller K, Arnold R, eds. In: Reliability and Validity of Data Sources in Disease Management. Lawrenceville, NJ: International Society for Pharmacoeconomics and Outcomes Research (accepted for publication).
- 124) Fornili, K., & Alemi, F. (2007). Medicaid reimbursement for screening and brief intervention: Amending the medicaid state plan and approving state appropriations for the medicaid state match. *Journal of Addictions Nursing*, 18:225–232.
- 125) Alemi, F., Beigi, S., Shiver, J., & Arya, V. (2004). Probabilistic analysis of privacy risks: Proposal for a national database of incidence of privacy violations. McCarthy JA, Woodcock A. The critical infrastructure protection program: Workshop II Working Papers.
- 126) Haack, M. R., & Alemi, F. (2002). Medicaid reimbursement of primary care providers for treatment of substance use disorders. In: M. R. Haack, & H. Adger, Jr., Strategic plan for interdisciplinary faculty development:

- Arming the Nation's health professional workforce for a new approach to substance use disorders (pp. 95–104). Providence, RI: AMERSA. Retrieved November 29, 2005, from the web.
- 127) Alemi, F. (1998). Electronic communities of patients: Computer services through telephones. In Brennan P, Schneider S. (Editors) Community Health Information Networks, Springer.
 - 128) Alemi, F. (1998). Bayesian decision models in health care. In P Armitage, T Colton (Editors). *Encyclopedia of Biostatistics*, Volume 1, 262 - 263.
 - 129) Alemi, F., & Maghboeba, M. (1997). Telephone bulletin boards reduce clinic utilization. In *Wellness and Prevention Sourcebook*, Faulkner and Gray Publishers, New York.
 - 130) Alemi, F., Rom, W., & Eisenstein, E.L. (1996). Risk adjusted control charts. In Ozcan YA (editor) *Applications of Operations Research to Health Care*, *Annals of Operations Research*, 67, 45 - 60.
 - 131) Alemi, F., Stephens, R.C., & Butts, J. (1992). Case management: A telecommunications practice model. In: Ashery, R.S., ed. *Progress and Issues in Case Management*. Rockville, MD: National Institute on Drug Abuse, pp. 261-273.
 - 132) Alemi, F., & Rice, J. (1990). Acute respiratory infections in children: A probability system for selection of patients for antibiotic therapy. In Hong LW (Editor) *Perspectives on Judgment and Decision Making*, Scarecrow Press, Metuchen NJ, 1991. Reprinted in *Commentary*, 8 (3 & 4): 21-25.
 - 133) Cline, B., Alemi, F., & Bosworth, K. (1982). Intensive skilled nursing care: A tool for fixing level of care. *American Health Care Association Journal*. 8 (6): 82-87.