Ofir Ben-Assuli, June 2024

CURRICULUM VITAE AND LIST OF PUBLICATIONS, short version

Personal Details

Name: Ofir Ben-Assuli

Address (W): Ono Academic College, Academic Boulevard 1, Kiryat Ono, Israel

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Education

2007-2011	Ph.D. Management Information Systems, Faculty of Management, Tel Aviv University.
	Dissertation: "The Value of Information in Medical Decision-Making Processes in Emergency Departments."
	Ph.D. Supervisor: Prof. Moshe Leshno.
2002-2005	M.B.A., Magna cum laude. Information Systems and Finance, The School of Business Administration, Hebrew University.
	M.B.A. Supervisor: Prof. Moshe Leshno.
1999 - 2002	B.A., Magna cum laude. Economics and Computer Science. Ben-Gurion University.

Employment History

2020 - present	Associate Professor, Ono Academic College
Spring 2018	Visiting Researcher, 1) The H. John Heinz III College, Carnegie Mellon University, Pittsburgh, PA, US and 2) Department of Health Policy and Management, Indiana University, Indianapolis, Indiana, US.
2013 - 2020	Senior Lecturer, Ono Academic College
Spring 2017	Visiting Researcher, The H. John Heinz III College, Carnegie Mellon University, Pittsburgh, PA, US
2004-2013	Lecturer , Ono Academic College
2006 – present	Lecturer, The Faculty of Management, Tel Aviv University
2004 – 2013	Lecturer, Academic Studies Division, The College of Management
2003-2011	Lecturer, The School of Business Administration, Hebrew University
2002-2003	Lecturer, The Academic College of Engineering, Tel Aviv and Jerusalem
2001	Teaching Assistant, Economics and Computer Science Ben-Gurion University

Professional Activities

(a)   Positions in academic administration

2020 - present   Chair, Israel Association for Information Systems (ILAIS), A Chapter of the Association for Information Systems

2020 – present   Associate Dean for Research, Faculty of Business Administration, Ono Academic College

2015 – present   Director of Information Systems Research Fields, Ono Academic College

2015 – 2020   Director of Information Systems Specialization, MBA Studies, Ono Academic College

2017 – 2019   Head of BA Program, The Faculty of Business Administration, Ono Academic College

2015 – 2018   Director of Information Systems Specialization, BA Studies, Ono Academic College

(b)   Membership in editorial boards of scientific journals

2014 – present   Editorial Board at Health Policy and Technology journal

2019 – present   Editorial Review Board at Online Journal of Applied Knowledge Management (OJAKM)

(c)   Membership in professional/scientific societies (past and present)

Israel Chapter of the Association of Information Systems, Chair

Association of Information Systems, Member

Israel Association of Medical Informatics, Member

Israel Association of Information Processing, Member

The Israeli Chamber of Information Technology, Certified Systems Analyst

Research SYNOPSIS

Prof. Ben-Assuli is an associate professor in the Faculty of Business Administration at Ono Academic College in the fields of Bio-Informatics, Data Mining, Health Analytics, Information Systems and Information Systems Policy; Business-technology consultant for management and operation of technological systems. He is currently the chair of the Israel Association for Information Systems (ILAIS), A Chapter of the Association for Information Systems.

Ben-Assuli earned his Bachelor of Arts (BA) degree in Economics and Computer Sciences from Ben Gurion University in 2002 (graduating Magna Cum Laude). He then completed a Master's in Business Administration (MBA) specializing in Information Systems and Finance at the Hebrew University in 2005 (Magna Cum Laude). His qualifications enabled him to acquire skills in managing large databases, analyzing data using statistical and econometric tests, predictive analytics, machine learning, data mining techniques and quantitative tools such as Markov models, Hidden Markov Models, Covariate Latent Class Models, Group-Based Trajectory Modelling, Monte Carlo simulations, Analytic Hierarchic Processing, Visualization Analytics, Augmented Intelligence and Decision Trees. He also conducted several experimental studies mainly on healthcare IT (on physicians) but also on financial IT (e.g. investment counsellors).

SUMMARY OF DR. BEN-ASSULI'S MAJOR ACCOMPLISHMENTS

PUBLICATIONS: Ben-Assuli's publications, in recognized well-rated journals (see publications list) and presentations delivered around the world provide proof of participation and dedication in his research, and also serves to transmit knowledge and make a difference in to world – something Ben-Assuli firmly believes in. He has published papers in such renowned journals as *MIS Quarterly*, *European Journal of Information Systems*, *Decision Sciences, Decision Support Systems, International Journal of Medical Informatics, Health Policy, Journal of Biomedical Informatics, BMC Medical Informatics and Decision Making, Health Informatics Journal and the Journal of Medical Systems, among others.*

APPOINTMENTS: Ben-Assuli has served as Editorial Board Associate Editor for *Health Policy and Technology* (since 2014). He also served on the editorial board and as a committee member at conferences including the International Conference of Information Systems (ICIS 2018, 2020-2024), the International Conference on Health and Social Care Information Systems and Technologies (HCIST 2014-2024), the European Conference on Information System (ECIS 2013-2018, 2024), the Conference of the Israel Chapter of the

AIS (ILAIS 2016, 2018, 2019, 2020, 2023), the Knowledge Management, Learning, Information Technology (KM 2016-2024) and the Workshop on Information Technologies and Systems (WITS 2013-2014, 2020, 2022-2023).

He was also selected to serve as the Co-Chair for Workshops and Ancillary Meetings of ECIS 2024, Co-chair of the Pre-ECIS 2014 Workshop (and 2015) on E-Health Adoption and Implementation and Issues, Co-Chair of Pre-ECIS 2024 Workshops and as the Co-Chair for the 9th Conference of the Israel Chapter of the AIS (ILAIS 2015) and as Co-Program-Chair for the 13th ILAIS Conference (ILAIS 2019). He is currently an adjunct lecturer, Department of Health Policy and Management, Indiana University, Indianapolis, Indiana, US. He was also a visiting scholar (2017-2018) in part of the spring semester at The H. John Heinz III College, Carnegie Mellon University, Pittsburgh, PA, US as part of the BSF grant program.

GRANTS and AWARDS: Ben-Assuli has been awarded various international and Israeli grants for his research (for a total of ~ 1,260,000 NIS). Four of the grants are from The National Institute for Health Policy and Health Services Research (NIHP), two of the grants are from the Ministry of Health - Chief Scientist Office, one is from the U.S. - Israel Binational Science Foundation (BSF) and one is from German-Israeli Foundation (GIF). Ben-Assuli has also been awarded several prizes including the best paper of the year from *Decision Sciences Journal*.

RESEARCH INTERESTS: Health Analytics, Health Decision Making, Medical Informatics, Information Systems, Strategic Information Systems, Bio-Informatics, Data Mining in the Medical Arena, Value of Information and Information Economy.

Outside the Academy:
Ben-Assuli has more than twenty years of experience in the fields of Business Decision-Making, Medical Decision-Making, and IT. He has been a senior consultant to leading High-Tech, Healthcare, Telecommunication, Financial, and Services organizations (the name is missing due to privacy issues).

Publications

(a) Refereed articles and refereed letters in scientific journals

1. Ben-Assuli, O., Heart, T., Yin, N., Klempfner, R., Padman, R., (2024), On Expert-Machine Partnership to Predict Mortality of Congestive Heart Failure Patients, *Information Systems Management*, pp. 1-19, https://doi.org/10.1080/10580530.2024.2312380.

2. Lederman, R.; Brainin, E.; Ben-Assuli, O. (2024), The Electronic Medical Record—A New Look at the Challenges and Opportunities, *Future Internet*, vol. *16*, paper 74, pp. 1-4, https://doi.org/10.3390/fi16030074.

3. Ben-Assuli, O., Heart, T., Klempfner, R., Padman, R., (2023), Human-Machine Collaboration for Feature Selection and Integration to Improve Congestive Heart Failure Risk Prediction, *Decision Support Systems*, vol. 172, paper 113982, pp. 1-12, https://doi.org/10.1016/j.dss.2023.113982.

4. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2023), Utilizing Shared Frailty with the Cox Proportional Hazards Regression: Post Discharge Survival Analysis of CHF Patients, *Journal of Biomedical Informatics*, vol. 140, paper 104340, pp. 1-14, https://doi.org/10.1016/j.jbi.2023.104340.

5. Ben-Assuli, O., Arazy O., Kumar, N., Shabtai, I., (2023), Too Much Information? The Use of Extraneous Information to Support Decision Making in Emergency Settings, *Decision Sciences*, vol. 54, issue 6, pp. 632-650, http://doi.org/10.1111/deci.12585.

6. Gefen, D., Ben-Assuli, O., Denekamp, Y., (2024), Adaptive Structuration Theory: A Health Information Exchange (HIE) Usage Study, *Information Systems Management*, vol. 41, issue 1, pp. 2-19, https://doi.org/10.1080/10580530.2023.2174278.

7. Ben-Assuli, O., Bar, O., Geva, G., Siri, S., Tzur, D., Almoznino, G., (2023), Body Mass Index and Caries: Machine Learning and Statistical Analytics of the Dental, Oral, Medical Epidemiological (DOME) Nationwide Big Data Study, *Metabolites*, vol. 13, issue 37, pp. 1-16, https://doi.org/10.3390/metabo13010037.

8. Ben-Assuli, O., Vest. J., (2022), Return Visits to the Emergency Department: An analysis Using Group Based Curve Models, *Health Informatics Journal*, vol. 28, Issue 2, pp. 1-11, https://doi.org/10.1177/14604582221105444.

9. Ben-Assuli, O., (2022), Measuring the Cost-Effectiveness of using Telehealth for Diabetes Management: a Narrative Review of Methods and Findings, *International*

Journal of Medical Informatics, vol. 163, paper 104764, pp. 1-11, https://doi.org/10.1016/j.ijmedinf.2022.104764.

10. Ben-Assuli, O., Jacobi, A., Goldman, O., Shenhar-Tsarfaty, S., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., Zelber-Sagi, S., (2022), Stratifying Individuals into Non-Alcoholic Fatty Liver Disease Risk Levels using Time Series Machine Learning Models, *Journal of Biomedical Informatics*, vol. 126, paper 103986, https://doi.org/10.1016/j.jbi.2022.103986.

11. Ramon-Gonen, R., Heart, T., Ben-Assuli, O., Shlomo, N., Klempfner, R. (2022), Disease Evolution and Risk-Based Disease Trajectories in Congestive Heart Failure Patients, accepted for publication, *Journal of Biomedical Informatics*, vol. 125, paper 103949, https://doi.org/10.1016/j.jbi.2021.103949.

12. Vest JR., Kasthurirathne SN., Ge W., Gutta J., Ben-Assuli O., Halverson PK. , (2022), Choice of measurement approach for area-level social determinants of health and risk prediction model performance. *Informatics for Health and Social Care*, vol. 47, Issue 3, pp. 80–91, https://doi.org/10.1080/17538157.2021.1929999.

13. Ben-Assuli, O., (2021), Review of Prediction Analytics Studies on Readmission for the Chronic Conditions of CHF and COPD: Utilizing the PRISMA method, *Information Systems Management*, vol. 38, Issue 3, pp. 250-266, https://doi.org/10.1080/10580530.2021.1928341.

14. Lederman, R., Ben-Assuli, O., Vo, T.H., (2021), The role of the Internet of Things in Supporting Clinicians and Patients: A Narrative Review Health Policy and Technology, *Health Policy and Technology*, vol. 10, Issue 3, 100552, https://doi.org/10.1016/j.hlpt.2021.100552.

15. Bulmash, B., Amar, M., Ben-Assuli, O., Caspi, O., (2021), Exploring the Combined Effects of Social Media Use and Medical Skepticism Tendency on recourse to Complementary and Alternative Medicine, *Journal of Alternative and Complementary Medicine*, vol. 27, Issue 8, pp. 710-712, https://doi.org/10.1089/acm.2020.0514.

16. Ben-Assuli, O., Heart, T., Vest. J., Ramon-Gonen, R., Shlomo, N., Klempfner, R., (2021), Profiling Readmissions Using Hidden Markov Model - the Case of Congestive Heart Failure, *Information Systems Management*, vol. 38, Issue 3, pp. 237-249, https://doi.org/10.1080/10580530.2020.1847362.

17. Goldman, O., Ben-Assuli, O., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., Zelber-Sagi, S., Shenhar-Tsarfaty, S., (2021), Non-alcoholic Fatty Liver and Liver

Fibrosis Predictive Analytics: Risk Prediction and Machine Learning Techniques for Improved Preventive Medicine, *Journal of Medical Systems*, vol. 45, paper 22, https://doi.org/10.1007/s10916-020-01693-5.

18. Ben-Assuli, O., Padman, R., (2020), Trajectories of Repeated Readmissions of Chronic Disease Patients: Risk Stratification, Profiling, and Prediction, *MIS Quarterly*, vol. 44, pp. 201-226, https://doi.org/10.25300/MISQ/2020/15101.

19. Ben-Assuli, O., Vest. J., (2020), Data Mining Techniques Utilizing Latent Class Models to Evaluate Emergency Department Revisits, *Journal of Biomedical Informatics,* vol. 101, paper 103341, https://doi.org/10.1016/j.jbi.2019.103341

20. Berger, R., Bulmash, B., Drori, N., Ben-Assuli, O., Herstein, R., (2020), The patient–physician relationship: An account of the physician's perspective, *Israel Journal of Health Policy Research*, vol. 9, Issue 33, https://doi.org/10.1186/s13584-020-00375-4.

21. Bulmash., B., Ben-Assuli., O., Amar., M., (2020), Fear of hospital-acquired infections: The combined impact of patient's hygiene sensitivity and perceived staff preventive behavior, *Journal of Community Health*, vol. 45, pp. 1211-1219, https://doi.org/10.1007/s10900-020-00857-1.

22. Gefen, D., Ben-Assuli, O., Stehr, M., Rosen, ,B., Denekamp, Y., (2020), Governmental Intervention in Hospital Information Exchange (HIE) Diffusion: A Time-series Analysis Using the Bass Model, *European Journal of Information Systems*, , vol. 28, Issue 6, pp. 627-645, https://doi.org/10.1080/0960085X.2019.1666038.

23. Ben-Assuli, O., Kumar, N., Arazy O., Shabtai, I., (2020), The Use of Analytic Hierarchy Process for Measuring the Complexity of Medical Diagnosis, *Health Informatics Journal*, Vol. 26, Issue. 1, pp. 218-232, https://doi.org/10.1177/1460458218824708.

24. Ben-Assuli, O., Padman, R., Shabtai, I., (2020), Exploring Trajectories of Emergency Department Visits using a Laboratory-based Indicator of Serious Illness, *Health Informatics Journal*, Vol. 26, Issue 1, pp. 205-217, https://doi.org/10.1177/1460458218824751.

25. Gefen, D., Ben-Assuli, O., Shlomo, N., Robertson, N., Klempfner, R., (2019), A Case Study of Applying Text Analysis to Identify Possible Adverse Drug Interactions: The Case of Adalat (Nifedipine), *Health Informatics Journal*, vol. 26, Issue. 2, pp. 1455-1464, https://doi.org/10.1177/1460458219882269.

26. Vest, R.J., Ben-Assuli, O., (2019), Prediction of emergency department revisits using area-level social determinants of health measures and health information exchange information, *International Journal of Medical Informatics*, vol. 129, pp. 205-210, https://doi.org/10.1016/j.ijmedinf.2019.06.013.

27. Ben-Assuli, O., Heart, T., Shlomo, N., Klempfner, R., (2019), Bringing Big Data Analytics Closer to Practice: a Methodological Explanation and Demonstration of Classification Algorithms, *Health Policy and Technology*, vol. 8, Issue 1, pp. 7-13, https://doi.org/10.1016/j.hlpt.2018.12.003.

28. Zelber-Sagi, S., Tzur, R., Thurm, T., Goldstein, A., Shibolet, O., Ben-Assuli, O., Chodick, G., (2019), Low Serum Vitamin D is Independently Associated with Unexplained Elevated ALT Only Among Non-Obese Men in The General Population, *Annals of Hepatology*, vol.18 Issue 4, pp. 578-284, https://doi.org/10.1016/j.aohep.2019.03.006.

29. Flaumenhaft, Y., AND Ben-Assuli, O., 2018, Personal Health Records, Global Policy and Regulation Review, *Health Policy*, vol. 122, pp. 815-826, https://doi.org/10.1016/j.healthpol.2018.05.002.

30. Ben-Assuli, O., AND Padman, R., 2018, Analyzing Repeated Hospital Readmissions using Data Mining Techniques, *Health Systems*, vol. 7, Issue 2, pp. 120-134, https://doi.org/10.1080/20476965.2018.1510040.

31. Revels, S., Kumar, S., Ben-Assuli, O., 2017, Predicting Obesity Rate and Obesity-Related Healthcare Costs using Data Analytics, *Health Policy and Technology*, vol. 6, Issue 2, pp. 198-207, https://doi.org/10.1016/j.hlpt.2017.02.002.

32. Heart. T., Ben-Assuli, O., Shabtai, I., 2017, A review of PHR, EMR and EHR integration: A more personalized healthcare and public health policy, *Health Policy and Technology*, vol. 6, Issue 1, pp. 20-25, http://dx.doi.org/10.1016/j.hlpt.2016.08.002.

33. Lederman, R., Ben-Assuli, O., 2017, Editorial: Patient-centered health information technology: Preparing for a new era, *Health Policy and Technology*, vol. 6, Issue 1, pp. 1-2, http://dx.doi.org/10.1016/j.hlpt.2016.11.001.

34. Ben-Assuli, O., AND Leshno, M., 2016, Assessing Electronic Health Record Systems in Emergency Departments: Using a Decision Analytic Bayesian Model, *Health Informatics Journal*, vol. 22, Issue 3, pp. 712-729, https://doi.org/10.1177/1460458215584203.

35. Ben-Assuli, O., Ziv. A., Sagi, D., Ironi, A., Leshno, M., 2016, Cost-Effectiveness Evaluation of EHR: Simulation of an Abdominal Aortic Aneurysm in the Emergency Department, *Journal of Medical Systems*, vol. 40, Issue 6: 141, pp. 1-13, https://doi.org/10.1007/s10916-016-0502-9.

36. Yair-Sabag. S., Nussinson, E., Ben-Assuli, O., Shibli, F., Azmi Shahbari, A., Zelber-Sagi, S., (2016), Retrospective study of the associations between hepatitis C infection and metabolic factors, *World Journal of Hepatology*, vol. 8, Issue 30, pp. 1269-1278, http://dx.doi.org/10.4254/wjh.v8.i30.1269.

37. Zelber-Sagi, S., Ben-Assuli, O., Rabinowich, L., Green, M., Goldstein, A., Magid, A., Shalev, V., Shibolet, O., Chodick, G., 2016, Response to the Relationship Between Serum Uric Acid Levels and NAFLD, *Liver International*, vol. 36, Issue 5, pp. 769-770, https://doi.org/10.1111/liv.13101.

38. Lederman, R., Ben-Assuli, O. 2016, Editorial notes on E-Health Adoption and Implementation, *International Journal of Networking and Virtual Organisation* vol. 16, Issue 2, pp. 121-123.

39. Shabtai, I., Ben-Assuli, O. AND Leshno, M., 2016, The Connection Between Viewing Medical Historical Information and Using Clinical Tests, *International Journal of Networking and Virtual Organisation* vol. 16, Issue 2, pp. 157-170, https://doi.org/10.1504/IJNVO.2016.076486.

40. Ben-Assuli, O., Sagi, D., Leshno, M., Ironi, A., Ziv. A., 2015, Improving Diagnostic Accuracy Using EHR in Emergency Departments: A Simulation-Based Study, *The Journal of Biomedical Informatics*, vol. 55, pp. 31-40, https://doi.org/10.1016/j.jbi.2015.03.004.

41. Ben-Assuli, O., 2015, Electronic health records, adoption, quality of care, legal and privacy issues and their implementation in emergency departments, *Health Policy*, vol. 119, Issue 3, pp. 287-297, https://doi.org/10.1016/j.healthpol.2014.11.014.

42. Ben-Assuli, O., Shabtai, I., AND Leshno, M., 2015, Using Electronic Health Record Systems to Optimize Admission Decisions: The Creatinine Case Study, *Health Informatics Journal*, vol. 21, Issue 1, pp. 73-88, http://dx.doi.org/10.1177/1460458213503646.

43. Zelber-Sagi, S., Ben-Assuli, O., Rabinowich, L., Green, M., Goldstein, A., Magid, A., Shalev, V., Shibolet, O., Chodick, G., 2015, The Association between Serum Levels of Uric-Acid and Alanine Aminotransferase in a Population-Based Cohort, *Liver*

International, vol. 35, Issue 11, pp. 2408-2415, https://onlinelibrary.wiley.com/doi/10.1111/liv.12842 .

44. Grossman, A., Ben-Assuli, O., Zelber-Sagi, S., Golbert, R., Matalon, A.,Yeshua, H., 2015, The Management of Pre-Hypertension in Primary Care - Is It Adequate? , *Blood Pressure*, vol. 24, Issue 4, pp. 237-241, https://doi.org/10.3109/08037051.2015.1032515.

45. Ben-Assuli, O., Shabtai, I., Leshno, M., Hill, S., 2014, EHR in Emergency Rooms: Exploring the Effect of Key Information Components on Main Complaints, *Journal of Medical Systems*, vol. 38, Issue 4, pp. 1-8, http://dx.doi.org/10.1007/s10916-014-0036-y.

46. Ben-Assuli, O. and Leshno, M. 2013 Using Electronic Medical Records in Admission Decisions: A Cost Effectiveness Analysis. *Decision Sciences* – 44(3) – 463-481, https://doi.org/10.1111/deci.12018 (Best Paper of the Year).

47. Ben-Assuli, O., Shabtai, I., and Leshno, M. 2013 The Impact of EHR and HIE on Reducing Avoidable Admissions: Controlling Main Differential Diagnoses *BMC Medical Informatics and Decision Making* – 13(49). http://www.biomedcentral.com/1472-6947/13/49.

48. Ben-Assuli, O., Shabtai, I., and Leshno, M. 2013 The Influence of EHR Components on Admission Decisions. *Health and Technology* – 3(1) – 29-35. http://dx.doi.org/10.1007/s12553-013-0039-6.

49. Endevelt, R., Ben-Assuli, O.*, Klain, E., Zelber Sagi, S. 2013 The role of dietitian follow-up in the success of bariatric surgery. *Surgery for Obesity and Related Diseases* - 9(6) - 963-968. http://dx.doi.org/10.1016/j.soard.2013.01.006. * Ben-Assuli, O. and Endevelt, R. contributed equally to this work.

50. Ben-Assuli, O. 2014 Implementing combined decision models in healthcare settings: the Simon and Pauker-Kassirer models. *Journal of Hospital Administration* – 3(2) - 10-18, https://doi.org/10.5430/jha.v3n2p10.

51. Ben-Assuli, O., Shabtai, I., and Leshno, M. 2013 The Contribution of Medical Systems to Admission Decisions in Emergency Rooms. *Harefuah - The Israel Medical Association Journal-– 152(11) – 684-685.

52. Ben-Assuli, O. and Leshno, M. 2013 Implementing a Monte-Carlo Simulation on Admission Decisions. *Journal of Enterprise Information Management* – 26(1) – 154-164. http://dx.doi.org/10.1108/17410391311289604.

53. Ben-Assuli, O. 2012 Assessing the Perception of Information Components in Financial Decision Support Systems. *Decision Support Systems* – 54(1) – 795-802. http://dx.doi.org/10.1016/j.dss.2012.09.007.

54. Ben-Assuli, O., Leshno, M., and Shabtai, I. 2012 Using Electronic Medical Record Systems for Admission Decisions in Emergency Departments: Examining the Crowdedness Effect. *Journal of Medical Systems* – 36(6) – 3795-3803. http://dx.doi.org/10.1007/s10916-012-9852-0.

55. Ben-Assuli, O. and Leshno, M. 2012 Efficient Use of Medical IS: Diagnosing Chest Pain. *Journal of Enterprise Information Management* – 25(4) – 413-423. http://dx.doi.org/10.1108/17410391211245865.

56. Ben-Assuli, O. and Jacobi, A. 2012 Improving Robustness of Scale-Free Networks to Message Distortion. *Lecture Notes in Business Information Processing* – 129(4) – 185-199.

57. Ben-Assuli, O., Leshno, M. and Shabtai, I. 2011 The Impact of Information Technology on Admission Decisions. *Journal of Computer Technology and Application* – 2(7) – 539-544.

(b) <u>Authored book (chapters)</u>

1. Dixon, B., Ben-Assuli, O., Denekamp, Y., 2022, "Israel's National HIE Network Ofek: A Robust Infrastructure for Clinical and Population Health", In *Health Information Exchange, Navigating and Managing a Network of Health Information Systems*, pp. 647-664, Second Volume, Published by Elsevier Ltd. https://www.elsevier.com/books/health-information-exchange/dixon/978-0-323-90802-3

2. Ben-Assuli, O., Vest. J., 2019, "ED Revisits Forecasting: Utilizing Latent Models", In *Advances in Intelligent Systems and Computing series*, vol. 1038, pp. 696-703, Second Volume, Published by Springer Nature Ltd.

3. Ben-Assuli, O., Shabtai, I., Leshno, M. 2013, "EHR at Emergency Rooms: Exploring the Influence of Main Components on Main Complaints" In *Procedia Technology*, vol. 9, Issue 4, pp. 1016-1021, Published by Elsevier Ltd.

4. Ben-Assuli, O. and Jacobi, A. 2012. "Improving Robustness of Scale-Free Networks to Message Distortion" In *Knowledge and Technologies in Innovative Information Systems*. Rahman, H., Mesquita, A., Ramos, I. and Pernici, B. (Ed.) Springer Publishing, Berlin Heidelberg, Germany – p. 185-199.

(c) <u>Chapters in collective volumes and conference proceedings</u>

1. Ben-Assuli, O., Geva, G., (2023). Evaluating Hospitalized Patients' Electronic Health Records Data: Predicting Length of Stay and Related Consequences, the 44th International Conference on Information Systems (ICIS), Hyderabad, India (December 10 – 13, 2023).

2. Heart, T., Padman, R., Ben-Assuli, O., Gefen, D., Klempfner, R., (2022). On Intelligence Augmentation and Visual Analytics to Enhance Clinical Decision Support System, 55th Hawaii International Conference on System Sciences (HICSS-55) Proceedings, pp. 3709-3718, Hawaii, USA (Virtual Conference, January 4-7, 2022).

3. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2021), Considering time in Predicting Adverse Congestive Heart Failure Events: Utilizing Frailty Models, 15th Conference of the Israel Chapter of the AIS (ILAIS), The Open University of Israel, Ra'anana campus, Israel (July 6, 2021).

4. Ben-Assuli, O., Jacobi, A., Goldman, O., Shenhar-Tsarfaty, S., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., Zelber-Sagi, S., (2020), Clustering Individuals into Non-alcoholic Fatty Liver Disease Risk Levels Using Machine Learning Model, Health Information Technology Symposium (HITS) - SIG Health Workshop at ICIS 2020, Hyderabad, India (Virtual Conference, December 15, 2020).

5. Ben-Assuli, O., Shenhar-Tsarfaty, S., Goldman, O., Jacobi, A., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., Zelber-Sagi, S., (2020), Analyzing Non-Alcoholic Fatty Liver Disease Risk Using Time-Series Model, Special Interest Group on Decision Support and Analytics (SIGDSA) Annual Conference, Title: "Addressing Global and Grand Challenges with Analytics", Hyderabad, India (Virtual, December 12-13, 2020).

6. Ben-Assuli, O., Zelber-Sagi, S., Goldman, O., Jacobi, A., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., Shenhar-Tsarfaty, S., (2020), Stratifying Individuals into Non-alcoholic Fatty Liver Disease Risk Using Time-Series Machine Learning Model, 4th Conference on Health IT and Analytics (CHITA), Washington D.C., USA (Virtual Conference, October 9, 2020).

7. Goldman, O., Ben-Assuli, O., Zelber-Sagi, S., Shenhar-Tsarfaty, S., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., (2020), Non-Alcoholic Fatty Liver Predictive Analytics, 14th Conference of the Israel Chapter of the AIS (ILAIS), Ramat-Gan Academic College, Israel (June 29, 2020).

8. Ramon-Gonen, R., Ben-Assuli, O., Heart, T., Shlomo, N., Klempfner, R. (2019), Cluster Evolution Analysis of Congestive Heart Failure Patients, 40th International Conference of Information System (ICIS), Munich, Germany (December 15-18, 2019).

9. Ben-Assuli, O., Vest, R.J., (2019), ED Revisits Forecasting: Utilizing Latent Models, IntelliSys, , London, United Kingdom (September 5-6 2019).

10. Padman, R., Ben-Assuli, O., Heart, T., Shlomo, N., Klempfner, R., (2019), Visual Analytics for Congestive Heart Failure Mortality Prediction, MEDINFO, 17th International World Congress on Health and Biomedical Informatics (Health and Wellbeing E- Networks for all), Lyon, France (August 25-30, 2019).

11. Vest, R.J., Ben-Assuli, O., (2018), Contribution of Different Data Sources to the Prediction of Emergency Department Revisits in a Safety-Net Population, 39th International Conference of Information System (ICIS RIP Paper), San Francisco, CA (December 13-16, 2018).

12. Heart, T., Ben-Assuli, O., Shlomo, N., (2018), Using the Work System Theory to Bring Big Data Analytics to the Inpatient Point of Care, 39th International Conference of Information System (ICIS RIP Paper), San Francisco, CA (December 13-16, 2018).

13. Shlomo, N., Heart, T., Ben-Assuli, O., Klempfner, R., (2017), CHF Readmission and Mortality Prediction: The Power of Comprehensive Healthcare IT, 27th Annual Workshop on Information Technologies and Systems, Seoul, Korea (December 14-15, 2017).

14. Shlomo, N., Heart, T., Ben-Assuli, O., Klempfner, R., (2017), CHF Early Mortality Prediction: Comparing Data-Prediction Tools, The 11th Conference of the Israel Chapter of the AIS (ILAIS), Bar-Ilan University, Israel (July 11, 2017).

15. Gefen, D., Ben-Assuli, O., Stehr, M., Rosen, ,B., Denekamp, Y., (2017), A Quasi-experimental Time-series Analysis of Hospital Information Exchange (HIE) Coverage Rates and Government Intervention: Lessons Learnt from a Main HMO in Israel, The 11th Conference of the Israel Chapter of the AIS (ILAIS), Bar-Ilan University, Israel (July 11, 2017).

16. Ben-Assuli, O., Padman, R., Leshno, M., Shabtai, I., (2016), "Analyzing Hospital Readmissions Using Creatinine Results for Patients with Many Visits", The 6th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH 2016), London, UK.

17. Ben-Assuli, O., Arazy O., Shabtai, I., Kumar, N., Leshno, M., (2016), The Use of Information Systems in Emergency Departments under Various Complication Task Levels, The 10th Conference of the Israel Chapter of the AIS (ILAIS), Ben-Gurion University, Beer-Sheva, Israel (July 4, 2016).

18. Ben-Assuli, O., Arazy O., Shabtai, I., Kumar, N., Leshno, M., "The Use of Information Systems in Emergency Departments: the Effect of Task Complexity", 25th Annual Workshop on Information Technologies and Systems, Texas, USA. (December 12-13, 2015).

19. Ben-Assuli, O., Padman, R., Bowman, M., Leshno, M., Shabtai, I., (2015), "On Analyzing Frequent Readmissions using a Group-Based Trajectory Model", 25th Annual Workshop on Information Technologies and Systems, Texas, USA. (December 12-13, 2015).

20. Ben-Assuli, O., Leshno, M., Sagi, D., Ziv. A., Ironi, A., (2015), EHR in Emergency Rooms: Cost-Effectiveness evaluation of Abdominal Pain Complaints, The 9th Conference of the Israel Chapter of the AIS (ILAIS), The Ono Academic College, Kiryat Ono, Israel (June 29, 2015).

21. Ben-Assuli, O., Leshno, M., Sagi, D., Ziv. A., Ironi, A., (2015), "EHR in Emergency Rooms: Cost-Effectiveness evaluation via Simulation of Abdominal Pain Complaints", The Pre-ECIS Workshop Patient-Centered Health Information Technology: Preparing for a New Era, 23th European Conference on Information Systems (ECIS), Munster, Germany (May 26-28, 2015).

22. Ben-Assuli, O., Ziv. A., Sagi, D., Leshno, M., Ironi, A., (2014), "Improving Diagnostic Accuracy Using EHR in Emergency Departments: A Simulation-Based Study", 35th International Conference of Information System (ICIS), Auckland, New Zealand (December 14–17, 2014).

23. Ben-Assuli, O., Jacobi, A., (2014), "Distortion in Social Networks: Comparison of Various Types of Networks", 2nd International Conference on Future Internet of Things and Cloud (FiCloud), IEEE Computer Society, Barcelona, Spain (27-29 August 2014- acceptance rate=28%).

24. Ben-Assuli, O., Shabtai, I., Leshno, M., (2014), "Adoption of EHRs Systems: Differentiating Main Associations", 22th European Conference on Information Systems (ECIS), Tel Aviv, Israel (June 9-11, 2014).

25. Ben-Assuli, O., Ziv. A., Leshno, M., Sagi, D., Ironi, A., (2014), "Improving Patient Outcomes using EHR at Emergency Departments: Simulation-Based Study", The Pre-ECIS Workshop Health Adoption and Implementation: Economic, Social and Behavioural Factors and Issues, Tel Aviv, Israel (June 8, 2014).

26. Ben-Assuli, O., Shabtai, I., Leshno, M and Hill, S. 2013 Improving Medical Decision-Making Using Electronic Health Records Systems. 34th International Conference of Information System - Milan, Italy.

27. Ben-Assuli, O., Shabtai, I. and Leshno, M. 2013 EHR at Emergency Rooms: Exploring the Influence of Main Components on Main Complaints. International Conference on Health and Social Care Information Systems and Technologies - Lisbon, Portugal.

28. Ben-Assuli, O., Leshno, M., Shabtai, I., Hill, S. 2012 Assessing the Contribution of EHR Systems to Medical Decision-Making. 22nd Annual Workshop on Information Technologies and Systems - Orlando, USA.

29. Ben-Assuli, O. and Jacobi, A. 2012 Improving Robustness of Scale-Free Networks to Message Distortion. 22nd Annual Workshop on Information Technologies and Systems - Orlando, USA.

30. Ben-Assuli, O. and Jacobi, A. 2012 Improving Correctness Abilities of Scale-Free Networks to Message Distortion. 7th Mediterranean Conference on Information Systems - Guimarães, Portugal.

31. Ben-Assuli, O., Leshno, M. and Shabtai, I. 2012 The Influence of EHR Components on Admission Decisions. 18th Americas Conference on Information Systems - Seattle, Washington, USA.

32. Ben-Assuli, O. and Jacobi, A. 2011 Distortion of a Message Diffused in a Social Network. 21st Annual Workshop on Information Technologies and Systems - Shanghai, China.

33. Ben-Assuli, O. and Leshno, M. 2011 ROI Assessment on Using Information Technology in the Course of Admission Decisions in Myocardial Infarction Diagnosis. 17th Americas Conference on Information Systems - Detroit, Michigan, USA.

34. Ben-Assuli, O., Leshno, M. and Shabtai, I. 2011 The Contribution of Information Technology to Admission Decisions. 17th Americas Conference on Information Systems - Detroit, Michigan.

35. Jacobi, A. and Ben-Assuli, O. 2011 Mutation of a Message Diffused in a Social Network. 6th Mediterranean Conference on Information Systems, The University of Nicosia - The Amathus Hotel, Limassol, Cyprus.

36. Ben-Assuli, O. and Leshno, M. 2010 Return on Investment Analysis of Using Health Information Technology in the Course of Admission Decisions. 5th Mediterranean Conference on Information Systems - Tel Aviv-Yaffo Academic College, Tel Aviv, Israel.

37. Ben-Assuli, O., Leshno, M. and Shabtai, I. 2010 The Impact of Information Technology on Admission Decisions. 5th Mediterranean Conference on Information Systems - The Tel Aviv-Yaffo Academic College, Tel Aviv, Israel.

38. Lichtenstein, Y., Shabtai, I., Milstein , I. and Ben-Assuli, O. 2010 Social Influence and Network Effects in the Diffusion of A Healthcare Information Exchange System. 5th Mediterranean Conference on Information Systems - The Tel Aviv-Yaffo Academic College, Tel Aviv, Israel.

Awards, Citations, Honors, Fellowships
(a) <u>Honors, Citation Awards</u>

2024	Award for "Top Downloaded Article", Decision Sciences Journal, Paper: Too much information? The use of extraneous information to support decision-making in emergency settings (March 20, 2024).
2023	Award for "Best Research In Progress Award - Visual Analytics to Augment Medical Decision-Making", Conference on Knowledge Management, Cybersecurity, Learning and Information Technology (KM2023), University of Geneva, Geneva, Switzerland (June 28- July 1, 2023).
2023	Designation for "AIS Distinguished Member", Association for Information Systems (June 2023).
2022	Designation for "AIS Distinguished Member", Association for Information Systems (June 2022).
2022	Award for "Best Research Idea Award - Human-machine collaboration in selecting features affecting 30-day mortality prediction of chronically Ill patients", Conference on Knowledge Management, Cybersecurity, Learning and Information Technology (KM2022), University of Maribor - Ljubljana, Slovenia (June 29- July 2, 2022).
2021	Award for "the 2021 Meritorious Mention paper of Senior Scholars", The Special Interest Group on IT in Healthcare of the Association for Information Systems (SIG Health), Montreal, Quebec (August, 2021), For the 2020 published paper "Trajectories of Repeated Readmissions of Chronic Disease Patients: Risk Stratification, Profiling, and Prediction", MIS Quarterly.
2021	Award for "The 2021 - Best Conference Paper of the Year - First Place", The Annual Conference of the Israel Association for Medical Informatics, Israel (November 23, 2021), For the presentation "Correction of Classical Survival Models Utilizing Rich Data of CHF Patients", Uzia Galil Memorial Grant, Israel Association for Medical Informatics - (3,000NIS~$1,000).
2021	Nomination for the "Best Paper Award", Special Interest Group on Decision Support and Analytics (SIGDSA) Annual Conference, Title: "Addressing Global and Grand Challenges with Analytics", Austin, TX (December 11, 2021).
2021	Award for "Fellow & Distinguished Scholar", The International Institute for Applied Knowledge Management (IIAKM), Leipzig, Germany, (June 30-July 2, 2021).
2021	Award for "Best Research Idea Award - Considering time in prediction of congestive heart failure events", Leipzig, Germany (Virtual) (June 30-July 2, 2021).
2021	Award for "An Excellence in Teaching", The Faculty of Business Administration, The Ono Academic College.
2020	Award for "Best Reviewer", Health Information Technology Symposium (HITS) - SIG Health Workshop at ICIS 2020, Hyderabad, India (Virtual Conference, December 15, 2020)
2020	Award for "An Excellence in Research", The Faculty of Business Administration, The Ono Academic College.
2018	Selected Distinguished Paper of the Workshop. Gefen, D., Miller, J., Ben-Assuli, O., Shlomo, N., Robertson, N., Cornelius, F., Klempfner, R., "Avoiding Risky Drug Combination in the Elderly: The Case of Adalat (Nifedipine)", Workshop at ICIS 2018: HITS-Health Information Technology Symposium, San Francisco, CA (December 13, 2018).

2018	Award for "An Excellence in Research", The Faculty of Business Administration, The Ono Academic College.
2016	Award for "An Excellence in Research", The Faculty of Business Administration, The Ono Academic College.
2014	Decision Sciences Journal - Best Paper of the Year Award.
2013	Best Researcher of the Year. The Faculty of Business Administration, The Ono Academic College.
2010	Best Adjunct Faculty of the Year (Teaching). The School of Economics, The College of Management Academic Studies Division.
2004-2009	Awards for excellence in teaching. Tel Aviv University, Hebrew University and The College of Management Academic Studies Division.

Main Research Grants (only competitive grants are shown here)

2023-2024	Ministry of Health - Chief Scientist Office (Total: 24,860), Ben-Assuli O., Predicting Outcomes of Admission Decisions for Chronic Patients: Utilizing Risk Stratification and Machine-Learning Models.
2023-2024	The National Institute for Health Policy and Health Services Research (Total: 156,000 NIS). Heart T., Bitan M., Ben-Assuli, Amar M., Bulmash B., Gur I., To Tyto or not to Tyto? Clinicians Perceptions of the Use of Tele-Medicine for Clinical Encounters in General, and specifically, Tyto as a Bio-Medical Device.
2022-2023	Ministry of Health - Chief Scientist Office (Total: 40,480), Ben-Assuli O., A systematic review of the effectiveness of using telehealth for chronic disease management.
2020-2022	The National Institute for Health Policy and Health Services Research (Total: 128,450 NIS). Ben-Assuli O., Shenhar-Tsarfaty S., Zelber-Sagi S., Non-alcoholic Fatty Liver and Liver Fibrosis Progression Predictive Analytics: Risk Prediction and Machine Learning Techniques for Improved Preventive Medicine.
2019-2020	The German-Israeli Foundation (**GIF**) for Scientific Research and Development. (Total: 100,000 NIS). Ben-Assuli, O., Congestive Heart Failure Chronic Patients: Risk Stratification, Profiling, and Predictions using Data-Analytics Tools.
2016-2019	U.S.- Israel Binational Science Foundation (**BSF**) (Total: 300,000 NIS; out of this: 60,000 NIS- internal budget). Ben-Assuli, O., Padman, R. (Principle Investigators), Data Analytics for a

digitized, learning healthcare system: An emergency department perspective.

2018-2020   Drexel University-Ben Gurion University Interdisciplinary Projects in Health Sciences Seed Fund (Total: 60,000 NIS) - Greenberg, D., Ben-Assuli, O., Gefen, D. (Principle Investigators), Hospitals' Response to the Government's Program to Adopt a Unified Electronic Health Information Exchange (HIE) in Israel.

2015-2017   The National Institute for Health Policy and Health Services Research (180,430 NIS)- Rosen B., and Ben-Assuli O. (Principle Investigators), and Karnieli-Miller O. Rosenblum J., Hochman O., and Zelingher J. (Associated Investigators). Organizational and inter-organizational dimensions of health information exchanges in Israel.

2012   The National Institute for Health Policy and Health Services Research (105,545 NIS) - Ben-Assuli, O. (Principle Investigator), and Leshno, M. Cost-Effectiveness Analysis of Using Information Technologies in Medical Decision-Making Processes in an Emergency Department Setting.

Lectures and Presentations at Meetings and Invited Seminars

(a)   Presentation of papers at conferences/meetings (oral or poster)

1. Heart, T., Ben-Assuli, O., Gefen, D., Klempfner, R., Padman, R., (2024), Towards Improved Clinical Engagement: A Framework for Designing Decision Support Systems with Visual Analytics and Expert Insight, , The Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel (March 19, 2024).

2. Goldman, O., Ababa, S., Ben-Assuli, O., (2024), Forecasting Metabolic Syndrome Machine Learning Techniques for Improved Preventive Medicine, The Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel (March 19, 2024).

3. Kampman, H., Ben-Assuli, O., Vest, J., (2024) Assessing Latent State Transitions in Patients with Health-Related Social Needs, The Academy Health Annual Research Meeting (ARM), Baltimore, MD, USA (June 29 - July 2, 2024). (Poster).

4. Heart, T., Ben-Assuli, O., Gefen, D., Klempfner, R., Padman, R., (2023), Visual Analytics to Augment Medical Decision-Making, Conference on Knowledge

Management, Cybersecurity, Learning and Information Technology (KM2023), University of Geneva, Geneva, Switzerland (June 28- July 1, 2023).

5. Ben-Assuli, O. (2023), Cost-Effectiveness of using Telehealth for Chronic Patients Management: a Narrative Literature Review, 1st Conference of the Telehealth Community, Ministry of Health, Kfar Saba, Israel (June 20, 2023).

6. Vest, R.J., Ben-Assuli, O., (2022), Identifying Features for the Prediction of Housing Instability in Patient Populations, Special Interest Group on Decision Support and Analytics (SIGDSA) Annual Conference, Title: "Analytics for Digital Frontiers", Copenhagen, Denmark (December 10, 2022).

7. Ben-Assuli, O., Heart, T., Yin, N., Klempfner, R., Padman, R., (2022), Human-machine collaboration in selecting features affecting 30-day mortality prediction of CHF patients, 16th Conference of the Israel Chapter of the AIS (ILAIS), Ruppin Academic College (In collaboration with Ariel University), Israel (July 6, 2022).

8. Ben-Assuli, O., Heart, T., Yin, N., Klempfner, R., Padman, R., (2022), Human-machine collaboration in selecting features affecting 30-day mortality prediction of chronically Ill patients, Conference on Knowledge Management, Cybersecurity, Learning and Information Technology (KM2022), University of Maribor - Ljubljana, Slovenia (June 29- July 2, 2022).

9. Goldman, O., Ben-Assuli, O., Jacobi, A., Zelber-Sagi, S., Shenhar-Tsarfaty, S., (2022), Non-alcoholic Fatty Liver Predictive Analytics, The 14th Annual Conference on Health Policy, The Institute for Health Policy Research, Tel Aviv, Israel (March 30, 2022). (Poster).

10. Ramon-Gonen, R., Heart, T., Ben-Assuli, O., Shlomo, N., Klempfner, R., (2022), Combined Cluster Analysis and Sequential Pattern Mining Techniques for Disease Evolution Identification in Congestive Heart Failure Patients, The First International Israel Data Science Initiative Conference (IDSI-2022), Ein-Gedi, Israel (Jan 4, 2022) (Poster).

11. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2021), Survival Analysis of Chronic Heart Failure Patients Utilizing Advanced Data Analytics Methods, Workshop at ICIS 2021: HITS-Health Information Technology Symposium, Austin, TX (December 12, 2021).

12. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2021), Utilizing Shared Frailty with Cox Proportional Hazards Regression: The Case of CHF Patients, Special Interest Group on Decision Support and Analytics (SIGDSA) Annual

Conference, Title: "Addressing Global and Grand Challenges with Analytics", Austin, TX (December 11, 2021). Nominated for the selection as the "Best Paper Award".

13. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2021), Correction of Classical Survival Models Utilizing Rich Data of CHF Patients, The Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel (November 23, 2021).

14. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2021), Utilizing Shared Frailty with Cox Proportional Hazards Regression: The Case of CHF Patients, The 4th Middle East & North Africa Conference for Information System: (Menacis2021), Agadir, Morocco (November 11-14 2021).

15. Ben-Assuli, O., Ramon-Gonen, R., Heart, T., Jacobi, R., Klempfner, R., (2021), Considering time in prediction of congestive heart failure events, Conference on Knowledge Management, Cybersecurity, Learning and Information Technology (KM2021), HfTL University, Leipzig, Germany (June 30, 2021).

16. Goldman, O., Ben-Assuli, O., Zelber-Sagi, S., Shenhar-Tsarfaty, S., Rogowski, O., Zeltser, D., Shapira, I., Berliner, S., (2020), Non-Alcoholic Fatty Liver Predictive Analytics, The annual Digital Economy Conference, Tel-Aviv University, Israel (March 1, 2020).

17. Ramon-Gonen, R., Ben-Assuli, O., Heart, T., Shlomo, N., Klempfner, R., (2020), Cluster Evolution Analysis of Congestive Heart Failure Patients, The annual Digital Economy Conference, Tel-Aviv University, Israel (March 1, 2020).

18. Kasthurirathne, S., Vest, R.J., Grannis, S.J., Ben-Assuli, O. (2020), Patient and Encounter-level Analyses for Predicting Social Worker Referral Need: A Comparison of Alternative Machine Learning Prediction Approaches, American Medical Informatics Association (AMIA) Informatics Summit, Houston, Texas (March 23-26).

19. Ben-Assuli, O., Empirical Findings from Implementations of Health Information Technologies: Successes, Barriers and Surprises, Annual Conference of the Israeli Association for Organizational Developments, titled: The Organization and Me at the Digital Transformation: Derived Challenges of Advisors and Managers - Workshop, Ono Academic College, Israel (February 16, 2020).

20. Ben-Assuli, O., The Value of Nudge-Free Use of Medical Systems, and its Clinical Outcomes: Empirical Findings from Various Points of Care Behavioral Economics in Health - Workshop, Ono Academic College, Israel (December 24, 2019).

21. Ramon-Gonen, R., Ben-Assuli, O., Heart, T., Shlomo, N., Klempfner, R. (2019), Cluster Evolution Analysis of Congestive Heart Failure Patients, The 13th Conference of the Israel Chapter of the AIS (ILAIS), Tel-Aviv University, Israel (June 24, 2019).

22. Gefen, D., Miller, J., Ben-Assuli, O., Shlomo, N., Robertson, N., Cornelius, F., Klempfner, R. 2018 (Forthcoming), Avoiding Risky Drug Combination in the Elderly: The Case of Adalat (Nifedipine), Workshop at ICIS 2018: HITS-Health Information Technology Symposium, San Francisco, CA (December 13, 2018).

23. Shlomo, N., Heart, T., Ben-Assuli, O., Klempfner, R. 2018, Predictive Analytics in the Inpatient Point of Care Using the Work System Theory, Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel (November 4, 2018).

24. Shlomo, N., Heart, T., Ben-Assuli, O., (2018), Bringing Big Data Analytics to the Physician Desk Using the Work System Theory, The 12th Conference of the Israel Chapter of the AIS (ILAIS), SCE - Shamoon College of Engineering, Israel (June 18, 2018).

25. Ben-Assuli, O., Heart, T., Shlomo, N. 2018, Using the Work Systems Theory to Bring Big Data Analytics to the Inpatient Point of Care, The 13th Annual Conference on Health Policy, The Institute for Health Policy Research, Tel Aviv, Israel (May 9, 2018).

26. Shlomo, N., Heart, T., Ben-Assuli, O., Klempfner, R. 2017, CHF Readmission and Mortality Prediction: The Power of Comprehensive HIT, SIG Health Workshop at ICIS 2016: Design, Innovation, and Impact of Healthcare IT, Seoul, Korea (December 10, 2017).

27. Ben-Assuli, O., Padman, R. 2017, Clustering Longitudinal Time Series Data: Comparison of GBTM vs. K-Means for Predicting Readmission Risk, SIG Health Workshop at ICIS 2016: Design, Innovation, and Impact of Healthcare IT, Seoul, Korea (December 10, 2017).

28. Ben-Assuli, O., Padman, R. 2017, Frequent Hospital Readmissions' analysis using Data Mining Techniques, Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel (October 23, 2017).

29. Shlomo, N., Heart, T., Ben-Assuli, O., Klempfner, R. 2017, Mortality Prediction following CHF Acute Event, Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel (October 23, 2017).

30. Ben-Assuli, O., Padman, R. 2017, Frequent Hospital Readmissions' analysis using Data Mining Techniques, The 12th Annual Conference on Health Policy, The Institute for Health Policy Research, Tel Aviv, Israel (May 9, 2017).

31. Rosen, B., Ashkenazi, Y., Ben-Assuli, O., Karnieli-Miller O., Nissanholtz-Gannot, R. 2016, Under What Circumstances Do Health Systems Managers Do Intensive Effort to Promote The Use of Quality Data by Medical Staff , 23th Conference of the Society for Quality in Health Care, Tel Aviv, Israel (November 23, 2016) (Poster).

32. Ben-Assuli, O., Padman, R., Shabtai, I 2016, Analyzing Frequent Hospital Readmissions, SIG Health Workshop at ICIS 2016: Design, Innovation, and Impact of Healthcare IT, Dublin, Ireland (December 11, 2016).

33. Ben-Assuli, O., Rosen, B., Karnieli-Miller O. 2016, Adoption of Israeli HIE System: National Study, SIG Health Workshop at ICIS 2016: Design, Innovation, and Impact of Healthcare IT, Dublin, Ireland (December 11, 2016).

34. Ben-Assuli, O., Arazy O., Kumar, N., Shabtai, I., Leshno, M. 2016, The Use of HIE in Emergency Departments Moderated by the Effect of Task Complexity, The Annual Conference of the Israel Association for Medical Informatics, Avenue, Convention & Events Center, Israel (June 14, 2016).

35. Ben-Assuli, O., Arazy O., Shabtai, I., Kumar, N., Leshno, M. 2016, The Use of Information Systems in Emergency Departments: the Effect of Task Complexity, 6th International Jerusalem Conference on Health Policy, the Israel National Institute for Health Policy Research, Jerusalem (May 23-25, 2016).

36. Ben-Assuli, O., Padman, R., Bowman, M., Leshno, M., Shabtai, I., 2015, Forecasting Readmissions using Group-Based Trajectory Model, 6th International Jerusalem Conference on Health Policy, the Israel National Institute for Health Policy Research, Jerusalem (May 23-25, 2016).

37. Rosen, B., Ashkenazi, Y., Karnieli-Miller O. Ben-Assuli, O., Israel's Pioneering National Health Information Exchange: How are the Health Plans Making Use of the Newly Available Hospital Data? , 6th International Jerusalem Conference on Health Policy, the Israel National Institute for Health Policy Research, Jerusalem (May 23-25, 2016).

38. Ben-Assuli, O., Padman, R., Bowman, M., Leshno, M., Shabtai, I., 2015, On Analyzing Readmissions Using A Trajectory Model: Evidence From Israel, MEDINFO, 15th International World Congress on Health and Biomedical Informatics, São Paulo, Brazil (August 19-23, 2015) (Poster).

39. Ben-Assuli, O., Leshno, M., Sagi, D., Ziv. A., Ironi, A. 2015, Improving Medical Decisions Using EHR in Emergency Rooms: A Simulation-Based Study, The Annual Conference of the Israel Association for Medical Informatics, Tel Aviv, Israel.

40. Hill, S., Ben-Assuli, O. 2014, Social TV: Predict Offline TV Viewing in Advance by Using Online Social Media Content, Winter Conference on Business Intelligence, Snowbird, Utah (February 27 - March 1) (Poster).

41. Ben-Assuli, O., Leshno, M., Ziv. A., Sagi, D., Ironi, A. 2014, A Cost-Effectiveness Analysis on Using Electronic Health Record: Analyzing Abdominal Aortic Aneurysm Case, The 10th Annual Conference on Health Policy, The Institute for Health Policy Research, Tel Aviv, Israel (May 21, 2014).

42. Ben-Assuli, O., Shabtai, I., Leshno, M., Hill, S. 2013, EHR at Emergency Rooms: Exploring the Influence of Main Components on Main Complaints, 23th Annual Workshop on Information Technologies and Systems, Milan, Italy (Poster).

43. Hill, S., Ben-Assuli, O. 2013, Social TV: Predict Offline TV Viewing in Advance by Using Online Social Media Content, 23th Annual Workshop on Information Technologies and Systems, Milan, Italy.

44. Ben-Assuli, O., Shabtai, I. and Leshno, M 2013 The Impact of EHR Systems on Reducing Avoidable Admissions for Main Differential Diagnoses. 5th International Jerusalem Conference on Health Policy, the Israel National Institute for Health Policy Research – Jerusalem, Israel.

45. Ben-Assuli, O. and Leshno, M. 2012 Economic Aspects of Using Electronic Health Records in Emergency Departments. 9th Annual Conference on Health Policy, The Institute for Health Policy Research - Tel Aviv, Israel.

46. Jacobi, A and Ben-Assuli, O. 2012 Improving Robustness of Scale-Free Networks to Message Distortion. 18nd Americas Conference on Information System - Seattle, Washington, USA (Poster).

47. Ben-Assuli, O. and Leshno, M. 2011 Efficient Use of Medical IS: Diagnosing Chest Pain. The Annual Conference of the Israel Association for Medical Informatics - Tel Aviv, Israel.

48. Jacobi, A. and Ben-Assuli, O. 2011 Transformation of Messages Propagated in a Social Network. Post-ICIS 2011, LG CNS/KrAIS - Shanghai, China.

49. Jacobi, A. and Ben-Assuli, O. 2011 Distortion of a Message Propagated in a Social Network. 5th Israel Association for Information Systems Conference - The Open University of Israel, Israel.

50. Ben-Assuli, O. and Leshno, M. 2011 A Return on Investment Analysis of Using Health Information Technology in the Course of Shared Decision-Making Processes. The 6nd International Shared Decision Making Conference - Maastricht, The Netherlands (Poster).

51. Ben-Assuli, O. and Leshno, M. 2010 An Economic Evaluation of Using Information Technologies in Emergency Departments. 8th Annual Conference on Health Policy, The Institute for Health Policy Research - Tel Aviv, Israel.

52. Ben-Assuli, O. and Leshno, M. 2010 The Economic Aspects of Medical Decision Making Processes in Emergency Departments. The Annual Conference of the Israel Association for Medical Informatics - Tel Aviv, Israel.

53. Ben-Assuli, O., Leshno, M., Shabtai, I. and Blondheim, O. 2009 The Realistic Value of Information in Medical Decision-Making Processes in Emergency Departments. The Annual Conference of the Israel Association for Medical Informatics - Tel Aviv, Israel.

54. Ben-Assuli, O. and Leshno, M. 2009 The Value of Information in Medical Decision-Making Processes in Emergency Departments. 4th Mediterranean Conference on Information Systems, University of Economics and Business - Athens, Greece.

55. Ben-Assuli, O., Leshno, M. and Shabtai, I. 2009 The Impact of Medical Information on Decision-Making Processes in Emergency Departments. 4th Israel Association for Information Systems Conference - Ben Gurion University, Israel.

56. Ben-Assuli, O., Leshno, M. and Shabtai, I. 2009. The Impact of Medical Information on Admission Decisions in Emergency Departments. 4th International Jerusalem Conference on Health Policy, the Israel National Institute for Health Policy Research – Jerusalem, Israel.

57. Ben-Assuli, O. and Leshno, M. 2007 Assessing the Subjective Value of Information in Decision-Making Processes in Banking Information Systems. 2nd Israel Association for Information Systems Conference - Bar Ilan University, Israel.

58. Shabtai, I., Leshno M., Kornbluth J. and Ben-Assuli, O. 2004 Subjective Value of Information in the Decision Process in the Healthcare Environment. The Annual Conference of the Israel Association for Medical Informatics – Tel Aviv, Israel.

(b) Seminar presentations and invited talks at universities and institutions

1. May 30, 2024- Israeli Health Economics Status and Challenges and a Paper on Predicting Fibrosis Risk Levels Over Time, Industrial Engineering & Management Department, Ariel University, Ariel, Israel.

2. March 12, 2024- Towards Improved Clinical Engagement: A Framework for Designing Decision Support Systems with Visual Analytics and Expert Insight, , The Faculty of Business Administration, Ono Academic College, Kiryat Ono, Israel (co-presented with Tsipi Heart).

3. May 1, 2023- Israeli Health Systems Background from Macro Economic Perspectives and a Research on Predicting Non-Alcoholic Fatty Liver Disease Risk Levels Over Time, Industrial Engineering & Management Department, SCE - Shamoon College of Engineering, Ashdod, Israel.

4. March 9, 2021- Stratifying Individuals into Non-Alcoholic Fatty Liver Disease Risk Levels using Time Series Machine Learning Models, The Faculty of Management, Tel-Aviv University, Israel.

5. December 1, 2020- A Visual Analytics Tool to Support Disease Risk Assessment and Shared Decision Making, The Faculty of Business Administration, Ono Academic College, Kiryat Ono, Israel (co-presented with Tsipi Heart).

6. August 5, 2020- Israeli Health Systems Background and a Research on Frequent Readmissions of Chronic Disease Patients including: Risk Stratification and Profiling The Israeli Case, School of Business Administration, The Hebrew University of Jerusalem, Jerusalem, Israel.

7. April 16, 2018- The Impact of EHR on Admission Decisions in Emergency Departments (EDs)
    The Israeli Case, Department of Health Policy and Management, Indiana University, Indianapolis, Indiana, US.

8. April, 11, 2018- Trajectories of Repeated Hospitalizations and Frequent Readmissions of Chronic Disease Patients: Risk Stratification, Profiling, and Predictions
    The H. John Heinz III College, Carnegie Mellon University, Pittsburgh, PA, US.

9. April 27, 2017- The Impact of EHR on Admission Decisions in Emergency Departments (EDs): The Israeli Case
    The H. John Heinz III College, Carnegie Mellon University, Pittsburgh, PA, US.

10. January 13, 2015- Using Electronic Health Records (EHRs) in Emergency Departments: A Simulation-Based Study, The Faculty of Management, Tel-Aviv University, Israel.

11. November 26, 2014- Using Electronic Health Records (EHRs) in Emergency Departments: A Simulation-Based Study

      Braun School of Public Health, The Hebrew University-Hadassah, Jerusalem, Israel.

12. March 6, 2014- Using Simulations to Assess the Impact of EHR on Clinical Decision-Making in Emergency Departments
The Israel National Institute for Health Policy Research, Tel Hashomer.

13. December 4, 2012– The Value of Medical Information in Decision-Making Processes
The Faculty of Business Administration, Ono Academic College.

14. March 24, 2010– The Impact of Electronic Health Records Systems on Decision-Making Processes Faculty of Business Administration, Ono Academic College.

15. November 30, 2009– The Value of Medical Information in Decision-Making Processes
The Faculty of Engineering Sciences, Ben-Gurion University, Israel.

16. March 12, 2009– The Value of Medical Information Systems
The Faculty of Management, Tel Aviv University, Israel.

OTHER ACADEMIC ACTIVITIES

<u>Membership in editorial boards for scientific conferences and Professional functions outside the university</u>

Associate Editor, the 45th International Conference on Information Systems (ICIS), IS in Healthcare Track, Bangkok, Thailand (December 15 – 18, 2024).

Scientific Committee Member, the 14th International Conference on Health and Social Care Information Systems and Technologies (HCist), Funchal, Madeira, Portugal (November 13-15, 2024).

Program Committee Member, 19th Conference on Computer Science and Intelligence Systems (FedCSIS), Information Technology for Business and Society Track, Belgrade, Serbia (September 8-11, 2024).

Workshops and Ancillary Meetings Co-chairs, 32th European Conference on Information Systems (ECIS), Paphos, Cyprus (June 13-19, 2024).

Program Committee Member, 32th European Conference on Information Systems (ECIS), Paphos, Cyprus (June 13-19, 2024).

Associate Editor, the 44th International Conference on Information Systems (ICIS), IS in Healthcare Track, Hyderabad, India (December 10 – 13, 2023).

Program Committee Member, the 33th Workshop on Information Technologies and Systems (WITS), IS in Healthcare Track Hyderabad, India (December 13 – 15, 2023).

Program Committee Member, 18th Conference on Computer Science and Intelligence Systems (FedCSIS), Information Technology for Business and Society Track, Warsaw, Poland (September 17-20, 2023).

Program Committee Member, ILAIS 2023: the 17th Conference of the Israel Chapter of the AIS (ILAIS), The open university of Israel, The Academic College of Tel Aviv–Yaffo, Israel (July 17, 2023).

Program Committee Member, Conference on Knowledge Management, Cybersecurity, Learning and Information Technology (KM2023), University of Geneva, Switzerland (June 28- July 1, 2023).

Program Committee Member, the 32th Workshop on Information Technologies and Systems (WITS), IS in Healthcare Track, Copenhagen, Denmark (December 14 – 16, 2022).

Associate Editor, the 43th International Conference on Information Systems (ICIS), User Behavior, Engagement, and Consequences Track, Copenhagen, Denmark (December 11 – 14, 2022).

Program Committee Member, 17th Conference on Computer Science and Intelligence Systems (FedCSIS), Information Systems and Technologies Track, Sofia, Bulgaria (September 4-7, 2022).

Program Committee Member, Conference on Knowledge Management, Cybersecurity, Learning and Information Technology (KM2022), University of Maribor - Ljubljana, Slovenia (June 29- July 2, 2022).

Associate Editor, the 42th International Conference on Information Systems (ICIS), IS in Healthcare Track, Austin, TX, USA (December 12 – 15, 2021).

Scientific Committee Member, the 30th Workshop on Information Technologies and Systems (WITS), Hyderabad, India (December 16 – 18, 2020).

Associate Editor, the 41th International Conference on Information Systems (ICIS), User Engagement, User Behaviors and Consequences Track, Hyderabad, India (December 13 – 16, 2020).

Scientific Committee Member, the 10th International Conference on Health and Social Care Information Systems and Technologies (HCist), Vilamoura, Algarve, Portugal (October 21-23, 2020).

Program Committee Member, 15th Conference on Information Systems Management (ISM'20), Information Systems and Technologies Track, Sofia, Bulgaria (September 6-9, 2020).

Program Committee Member, Conference on Knowledge Management, Learning and Information Technology, University of Lisbon, Lisbon, Portugal (July 1-4, 2020).

Program Committee Member, ILAIS 2020: the 14th Conference of the Israel Chapter of the AIS (ILAIS), Israel Academic College, Ramat Gan, Israel (June 29, 2020).

Co-Chair, Behavioral Economics in Health - Workshop, Ono Academic College, Israel (December 24, 2019).

Co-Program-Chair, ILAIS 2019: the 13th Conference of the Israel Chapter of the AIS (ILAIS), Tel-Aviv University, Israel (June 24, 2019).

Scientific Committee Member, the 9th International Conference on Health and Social Care Information Systems and Technologies (HCist), Sousse, Tunisa (October 16-18, 2019).

Program Committee Member, Conference on Knowledge Management, Learning, Information Technology, Warsaw University of Life Sciences (SGGW), Warsaw, Poland (June 26-29, 2019).

Associate Editor, the 39th International Conference on Information Systems (ICIS), San Francisco, CA, USA (December 13 – 16, 2018).

Scientific Committee Member, ILAIS 2018: the 12th Conference of the Israel Chapter of the AIS (ILAIS), Ben-Gurion University of the Negev, Sami Shamoon College of Engineering, Ashdod (June 18, 2018).

Track Chair, Industry Session, The 12th Conference of the Israel Chapter of the AIS (ILAIS), SCE - Shamoon College of Engineering, Israel (June 18, 2018).

Associate Editor, the 26th European Conference on Information System (ECIS), Digital Health Initiatives Track, Portsmouth, UK (June 23 – 28, 2018).

Scientific Committee Member, the 8th International Conference on Health and Social Care Information Systems and Technologies (HCist), Lisbon, Portugal (November 21-23, 2018).

Program Committee Member, Conference on Knowledge Management, Learning, Information Technology, Pisa, Italy (June 20-23, 2018).

Scientific Committee Member, the 7th International Conference on Health and Social Care Information Systems and Technologies (HCist), Barcelona, Spain (November 8-10, 2017).

Track Chair, Healthcare IT, ILAIS 2017: the 11th Conference of the Israel Chapter of the AIS (ILAIS), Bar-Ilan University, Israel (July 11, 2017).

Associate Editor, the 25th European Conference on Information System (ECIS), Digital Health Initiatives Track, Guimarães, Portugal (June 5 – 10, 2017).

Program Committee Member, Conference on Knowledge Management, Learning, Information Technology, Novo Mesto, Slovenia (June 21-24, 2017).

Scientific Committee Member, the International Conference on Health and Social Care Information Systems and Technologies (HCist), OPorto, Portugal (October 5-6, 2016).

Scientific Committee Member, ILAIS 2016: the 10th Conference of the Israel Chapter of the AIS (ILAIS), Ben-Gurion University of the Negev, Beer-Sheva, Israel (July 4, 2016).

Program Committee Member, Conference on Knowledge Management, Learning, Information Technology, University of Lisbon, Portugal (June 22-25, 2016).

Associate Editor, the 24th European Conference on Information System (ECIS), Digital Health Initiatives Track, Istanbul, Turkey (June 12 – 15, 2016).

Co-Chair, ILAIS 2015: the 9th Conference of the Israel Chapter of the AIS (ILAIS), The Ono Academic College, Kiryat Ono, Israel (June 29, 2015).

Program Committee Member, Electronic Health Record: implementation, data mining, security and user acceptance, (EHRW2015) at the IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Washington DC, USA (November 9-12, 2015).

Referee of many papers for the 36th International Conference of Information System, Fort Worth, Texas - USA (December 13-16, 2015).

Co-Chair, Pre-ECIS 2015 Workshop Patient-Centered Health Information Technology: Preparing for a New Era, 23th European Conference on Information Systems (ECIS), Muenster, Germany (May 26 – 29, 2015).

Associate Editor, the 23th European Conference on Information System (ECIS), Digital Health Initiatives Track, Muenster, Germany (May 26 – 29, 2015).

Program Committee Member and Program Liaisons, the 24th Annual Workshop on Information Technologies and Systems, Auckland, New Zealand (December 14-15, 2014).

Scientific Committee Member, the International Conference on Health and Social Care Information Systems and Technologies (HCist), Troia, Portugal (October 15-17, 2014).

Editorial Board and Committee Member, the 22th European Conference on Information System (ECIS), Tel-Aviv, Israel (June 9 – 11, 2014).

Co-Chair, Pre-ECIS 2014 Workshop on E-Health Adoption and Implementation: Economic, social and behavioural factors and issues, Tel-Aviv, Israel (June 8, 2014).

Program Committee Member and Program Liaisons, the 23th Annual Workshop on Information Technologies and Systems, Milan, Italy (December 14-15, 2013).

Referee of many papers for the 21th European Conference of Information System (ECIS), Utrecht, Netherlands (June 5-8, 2013).

Editorial Board and Committee Member, The 7th Mediterranean Conference on Information System (MCIS), Guimaraes, Portugal (September 8 – 10, 2012).

Referee of many papers for the American Conference of Information System (AMCIS), Seattle, Washington- USA (August 9 - 11, 2012).

Session Chair, 21th Annual Workshop on Information Technologies and Systems (WITS), Shanghai, China (December 3 - 4, 2011).

Referee of many papers for the American Conference of Information System (AMCIS), Detroit, Michigan - USA (August 4 - 7, 2011).

Referee of several papers for the International Conference of Information System (ICIS), Saint Louis, Missouri - USA (December 12 - 15, 2010).

Special issues editing:

2024: Reimagining Digital Health: Advances in Patient-Centeredness, Artificial Intelligence, and Data-Driven Care Research, for the journal: *Business & Information Systems Engineering (BISE)*. Editors: Ali Sunyaev, Daniel Fürstenau and Elizabeth Davidson. My role: Associate Editor.

2023: Health Analytics and IS Theorizing, for the journal: *Journal of the Association for Information Systems*. Editors: Aaron Baird, Yusen Xia and Rajiv Kohli. My role: Editorial Board.

2022-2023: Challenges and Opportunities in Electronic Medical Record (EMR), for the journal: *Future Internet*. Editors: Esther Brainin, Ofir Ben-Assuli and Reeva Lederman.

2017: Patient-centered health information technology: Preparing for a new era, for the journal: *Health Policy and Technology*, Editors: Reeva Lederman and Ofir Ben-Assuli.

2016: E-Health Adoption and Implementation, for the journal: *International Journal of Networking and Virtual Organisation*, Editors: Reeva Lederman and Ofir Ben-Assuli.

Outside the Academy:

Ben-Assuli has more than twenty years of experience in the fields of Business Decision-Making, Medical Decision-Making, and IT. He has been a senior consultant to leading High-Tech, Healthcare, Telecommunication, Financial, and Services organizations (the name is missing due to privacy issues).

2004 - present	Personal advisor and consultant in Information Systems
	Senior consultant to leading organizations
2004 – 2005	Systems developer and web programmer
	MLL Software & Computer Industry
2002 – 2003	Economist and researcher
	The Center for Information and Research, The Knesset of Israel.
	Several roles:

- Founding researcher of the economics department at the Center.
- Produced practical national and international economic research.
- Measured costs and benefits of proposed laws.

1999 – 2000	Marketing and sales coordinator
	Leading magazine.
1997- 1998	Software and hardware developer
	RAD-Data Communications.