

Ofir Ben-Assuli, September 2018

CURRICULUM VITAE AND LIST OF PUBLICATIONS

Personal Details

Name: Ofir Ben-Assuli

Address (W): Ono Academic College, 104 Zahal Street, Kiryat Ono, 55000, 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

- 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 - Present 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

- 2015 – present Director of Information Systems Research Fields, Ono Academic College
- 2017 – present Head of BA Program, The Faculty of Business Administration, Ono Academic College
- 2015 – present Director of Information Systems Specialization, MBA Studies, 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

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

- Association of Information Systems, Member
- Israel Chapter of the 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

Dr. 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 PH.D. in Management was awarded in 2011 by Tel Aviv University His Ph.D. dissertation entitled “The Value of Information in Medical Decision- Making Processes in Emergency Departments” 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 and decision trees. He also conducted several experimental studies mainly on healthcare IT (on physicians) but also on financial IT (investment counsellors).

SUMMARY OF DR. BEN-ASSULI'S MAJOR ACCOMPLISHMENTS

PUBLICATIONS: Dr. 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 Dr. Ben-Assuli firmly believes in. He has published papers in such renowned journals as *MIS Quarterly*, *Decision Sciences*, *Decision Support Systems*, *Health Policy*, *Journal of Biomedical Informatics*, *BMC Medical Informatics and Decision Making*, *Health Informatics Journal* and the *Journal of Medical Systems*, among others.

APPOINTMENTS: Dr. Ben-Assuli has served as Editorial Board Associate Editor for *Health Policy and Technology* 1 (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), the International Conference on Health and Social Care Information Systems and Technologies (HCist 2014-2018), the European Conference on Information System (ECIS 2013-2018), the Conference of the Israel Chapter of the AIS (ILAIS 2016, 2018), the Knowledge Management, Learning, Information Technology (KM 2016-2018) and the Workshop on Information Technologies and Systems (WITS 2013-2014).

He was also selected to serve as the Co-Chair for the Pre-ECIS 2014 Workshop (and 2015) on E-Health Adoption and Implementation and Issues and is the Co-Chair for the 9th Conference of the Israel Chapter of the AIS (ILAIS 2015). 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: Dr. Ben-Assuli has been awarded several international and Israeli grants for his research (for a total of ~ 800,000 NIS). Two of the grants are from The National Institute for Health Policy and Health Services Research (NIHP), one is from the U.S. - Israel Binational Science Foundation (BSF) and one is from German-Israeli Foundation (GIF). Dr. Ben-Assuli has also been awarded several prizes.

RESEARCH INTERESTS: Health Analytics Economics, Decision Making, Medical Informatics, Social Networks, Information Systems, Strategic Information Systems, Value of Information and Information Economy.

Publications

(a) Refereed articles and refereed letters in scientific journals

1. Ben-Assuli, O., Padman, R., (2018, Accepted), Trajectories of Repeated Readmissions of Chronic Disease Patients: Risk Stratification, Profiling, and Prediction, *MIS Quarterly*.
2. Ben-Assuli, O., Kumar, N., Arazy O., Shabtai, I., (2018, In Press), The Use of Analytic Hierarchy Process for Measuring the Complexity of Medical Diagnosis, *Health Informatics Journal*.
3. Ben-Assuli, O., Padman, R., Shabtai, I., (2018, In Press), Exploring Trajectories of Emergency Department Visits using a Laboratory-based Indicator of Serious Illness, *Health Informatics Journal*.
4. 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>.
5. Ben-Assuli, O., AND Padman, R., 2018, Analyzing Repeated Hospital Readmissions using Data Mining Techniques, *Health Systems*, vol. 7, Issue 2, pp. 120-134.
6. 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>.
7. 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>.
8. 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>.
9. 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, doi:10.1177/1460458215584203.
10. 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, doi:10.1007/s10916-016-0502-9.
11. 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>.
 12. 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, doi: 10.1111/liv.13101.
 13. 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.
 14. 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.
 15. 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, doi:10.1016/j.jbi.2015.03.004.
 16. 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, doi:10.1016/j.healthpol.2014.11.014.
 17. 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>.
 18. 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.
 19. 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.

20. 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>.
21. Ben-Assuli, O. and Leshno, M. 2013 Using Electronic Medical Records in Admission Decisions: A Cost Effectiveness Analysis. *Decision Sciences* – 44(3) – 463-481. (Best Paper of the Year).
22. 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>.
23. 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>.
24. 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.
25. 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.
26. 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.
27. 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>.
28. 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>.
29. 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>.

30. 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>.
 31. 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.
 32. 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) Authored book (chapters)
- 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.
- 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) Chapters in collective volumes and conference proceedings
1. 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).
 2. 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).
 3. 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).
 4. 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).

5. 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).
6. 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. (September 19-22, 2016- acceptance rate=33%).
7. 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).
8. 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).
9. 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).
10. 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).
11. 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).
12. 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).
13. 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%).
 14. 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).
 15. 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).
 16. 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.
 17. 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.
 18. 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.
 19. 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.
 20. 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.
 21. 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.

22. 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.
23. 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.
24. 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.
25. 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.
26. Ben-Assuli, O. and Leshno, M. 2010 A Return on Investment Analysis of Using Health Information Technology in the Course of Admission Decisions. 5th Mediterranean Conference on Information Systems - The Tel Aviv-Yaffo Academic College, Tel Aviv, Israel.
27. 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.
28. 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) Honors, Citation Awards

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| 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)

- 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. 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).
2. 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).
3. 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).
4. 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).
5. 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).
6. 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).
7. 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).
8. 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).
9. 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).

10. 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).
11. 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).
12. 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).
13. 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).
14. 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).
15. 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).
16. 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).
17. 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).
18. 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.

19. 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).
20. 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).
21. 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).
22. 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.
23. 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.
24. 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.
25. 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).
26. 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.
27. Jacobi, A. and Ben-Assuli, O. 2011 Transformation of Messages Propagated in a Social Network. Post-ICIS 2011, LG CNS/KrAIS - Shanghai, China.
28. 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.
29. 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).

30. 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.
 31. 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.
 32. 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.
 33. 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.
 34. 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.
 35. 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.
 36. 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.
 37. 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. 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.
 2. 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.
3. 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.
 4. 2015- Using Electronic Health Records (EHRs) in Emergency Departments: A Simulation-Based Study The Faculty of Management, Tel-Aviv University, Israel.
 5. 2014- Using Electronic Health Records (EHRs) in Emergency Departments: A Simulation-Based Study
Braun School of Public Health, The Hebrew University-Hadassah, Jerusalem, Israel.
 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.
 7. 2013 – The Value of Medical Information in Decision-Making Processes
The Faculty of Business Administration, Ono Academic College.
 8. 2010 – The Impact of Electronic Health Records Systems on Decision-Making Processes Faculty of Business Administration, Ono Academic College.
 9. 2009 – The Value of Medical Information in Decision-Making Processes
The Faculty of Engineering Sciences, Ben-Gurion University, Israel.
 10. 2008 – The Value of Medical Information Systems
The Faculty of Management, Tel Aviv University, Israel.

OTHER ACADEMIC ACTIVITIES

Membership in editorial boards for scientific conferences and Professional functions outside the university

- 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).

Outside the Academy:

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

2005 - 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: <ul style="list-style-type: none">• 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 design magazine.
1997- 1998	Software and hardware developer RAD-Data Communications.