

Profile

Expert in Comparative Effectiveness & Outcomes Research as well as Real World Data & Evidence – Involved in several studies based on comparative effectiveness methods. Experienced in conducting research including literature review, study design, collecting data, interpretation of results, modeling and statistical methods. Has broad experience in writing manuscripts for scientific publication.

Global and strategic thinker – Flexible, self-motivated team player working with multilayered, interconnected ideas and a good motivator with a first-class eye to find hidden gems of information. A partner said: "Lajos is one of the most trustworthy people I've ever worked with. He has an incredible ability to glean a client's true needs from their rudimentary initial queries."

Outstanding pharmacoepidemiologist, health care expert, statistician, biostatistician and developer with unique experience in health care database management – Analyzed and managed universal Hungarian health data warehouse with access to restricted patient-level data. Developed unique analytical methodologies similar to clinical studies.

Well-versed in the following professional fields:

Comparative effectiveness	Statistics
Outcomes research	Analysis
Epidemiology	Electronic medical records
Scientific publication	Subsidy policy
Biostatistics	Health care system development
Cost-effectiveness	Medical research

Abilities brought to bear every day of the week:

Leadership and organizational ability	Creativity
Precise and thorough work	Motivated by challenges and new situations
Consistently outstanding performance	Skilled in motivating others

Career development

Wales Cancer Trials Unit, School of Medicine, Cardiff University, UK 04/2015-present
Statistician

- Creation of Statistical Analysis Plan, central monitoring, sample size determination, randomization, Statistical Reports including statistical tables and figures
- Contribution to study design and Final Reports
- Oncology studies ranging from Phase I to Phase III of randomized clinical trials
- Used STATA statistical software

Full-time job

Department of Psychiatry and Psychotherapy, 04/2013-04/2015
Semmelweis University, Hungary
Volunteer in Scientific Research

- Contribution to comparative effectiveness research regarding antipsychotic medications used frequently in patients suffered from schizophrenia or other psychotic symptoms

Part-time job

Accelsiors CRO Ltd, Hungary 07/2013-07/2014
Biostatistician

- Creation of Statistical Analysis Plan, sample size determination, randomization, Statistical Reports including statistical tables and figures
- Contribution to study design and Clinical Study Report
- Studies ranging from Phase I to Phase III of randomized clinical trial
- Used SAS statistical software

Full-time job

National Health Insurance Fund, Hungary 08/2007-05/2013
Head of Analysis and Statistics (08/2011-05/2013)
Statistical analyst (08/2007-08/2011)

Directed the process of statistical data services and effectively organized efficient workflow for team of 4 analysts as head of the Analysis and Statistics

- Maintained connections with clients and conducted consultation and advisement in the course of various studies such as outcomes, comparative effectiveness and health economic research
- Evaluated and managed external statistical data requests
- Serviced external data requests relating to internal analyses
- Provided analytical and statistical support in professional areas affecting the NHIF, interpreted results of health economic analyzes and clinical trials, and transplanted the published methodology to the NHIF database and extracted the results
- Planned, organized and prepared analyses forming the basis of financing concepts and decision making
- Carried out conceptual planning of sector reports for the National Statistical Data Collection Program, prepared statements for the relevant state administration bodies, which are constantly updated and available online

Healthware Ltd, Hungary

05/2006-08/2007

Statistical analyst, biostatistician

- Adapted health economic models to Hungarian milieu
- Evaluated clinical examinations
- Designed questionnaire-based studies analyzing frequency of use of the health care system and data tracking a patient's progress through the system, created questionnaires, evaluated the results and prepared final reports

NIB Research Ltd, Hungary

08/2001-05/2006

Statistical analyst, biostatistician

- Evaluated pharmaceutical marketing research and prepared presentations
- Carried out statistical analysis of clinical trials

Planimeter Ltd, Hungary

01/2001-08/2001

Biostatistician

- Evaluated Clinical trials using SAS
- Utilized data mining procedures

Software Skills

SAS
R
SPSS
STATA

Oracle (SQL, PL/SQL)
MS Office including Access
Linux
Windows

Educational accomplishments

1995-2000 Lorand Eotvos University of Arts and Sciences, M.Sc. sociologist, survey statistician

Publications

- 2015 **OncoTargets and Therapy**, Vol. 8, 2015.
Lung cancer drug therapy in Hungary - 3-year experience
Moldvay, J., M.D., Ph.D, Rokszin, G., M.D., Abonyi-Tóth, Z., M.S., Katona, L., M.S., Fábíán, K., M.D., Ph.D, Kovács, G., M.D., Ph.D.
IF in 2014: 2.311
- 2014 **Schizophrenia Research**, Vol. 152, Issue 1, January 2014.
Real-world effectiveness of antipsychotic monotherapy vs. polypharmacy in schizophrenia: To switch or to combine? A nationwide study in Hungary
Katona, L., M.S., Czobor, P., Ph.D., Bitter, I., M.D., Ph.D.
IF in 2012: 4.590
- 2013 **European Neuropsychopharmacology**, Vol. 23, Issue 11, November 2013.
Comparative effectiveness of depot and oral second generation antipsychotic drugs in schizophrenia: A nationwide study in Hungary
Bitter, I., M.D., Ph.D., Katona, L., M.S., Zámboi, J., M.D., Takács, P., M.D., Fehér, L., M.D., Diels, J., M.S., Bacskai, M., M.D., Lang, Z., M.S., Gyáni, G., M.S., Czobor, P., Ph.D.
IF in 2012: 4.595
- 2012 **Orvosi Hetilap (Doctor's Weekly)**, Vol. 153, issue 9 (In Hungarian)
The prevalence of atrial fibrillation in Hungary
Tomcsányi, J., M.D., Bózsik, B., M.D., Rokszin, G., M.D., Abonyi-Tóth, Z., Katona, L.
- 2012 **Medical Science Monitor**, Vol. 18, issue 8
Persistence of initial oral anti-diabetic treatment in patients with type 2 diabetes mellitus
Jermendy, G., M.D., Wittmann, I., M.D., Nagy, L., M.D., Kiss, Z., M.D., Rokszin, G., M.D., Abonyi-Tóth, Z., Katona, L., Paragh, G., M.D., Karádi, I., M.D., Merkely, B., M.D.
- 2011 **Metabolizmus**, Vol. 9, issue 1 (In Hungarian)
Persistence of oral anti-diabetic therapy among domestic diabetics from 2007-2009
Jermendy, G., M.D., Wittmann, I., M.D., Nagy, L., M.D., Kiss, Z., M.D., Rokszin, G., M.D., Abonyi-Tóth, Z., Katona, L., Paragh, G., M.D., Karádi, I.

- 2011 **IME - The Journal of Health Care Managers** Vol. 10, Special Issue: Health Economics (In Hungarian)
"Soft" promotion tools for generic penetration using the example of the active ingredient clopidogrel
Szabó, M., Katona, L., Nádudvari, N., Dankó, D., Molnár, M. P., M.D.
- 2010 **Orvostovábbképző Szemle (Postgraduate Medical Review)**, Vol. 17, 10 (In Hungarian)
Falling cardiovascular mortality in Hungary: an examination of the effects of cardiometabolic drug therapy
Balogh S., M.D., Papp R., M.D., Katona L., Császár A., M.D.
- 2010 **IME - The Journal of Health Care Managers**, Vol. 9, issue 6 (In Hungarian)
Analysis of outpatient schizophrenia sufferers taking part in antipsychotic treatment on the basis of pharmaceutical sales and patient turnover from 2005 through 2008
Kozma, P. O., Katona, L., Zámboi, J., M.D., Dankó, D., Molnár, M. P., M.D.
- 2010 **IME - The Journal of Health Care Managers**, Vol. 9, Health Economics Special Issue (In Hungarian)
Statistical analysis service related to the National Health Insurance Fund
Katona, L., Dr. Molnár, M. P., M.D.
- 1998 **Eötvös Loránd University, Institute of Sociology**, (In Hungarian)
Multivariate statistics
Katona, L., Dr. Kabos, S., M.D.