

ISPOR Milestones: A Brief History Over Time

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The success of ISPOR is due to tremendous efforts of many extraordinary individuals, who provided intellectual content and devoted countless hours of their time to produce these milestones [an ISPOR publication, annual meeting program, or many, many other initiatives of the Society]. Therefore, the ISPOR milestones, as well as their leaders, are given in this compilation below. Thanks go to these extraordinary individuals for their vision and dedication.

DATE	MILESTONES	SIGNIFICANCE
ORGANIZATION		
March 1, 1995	Association for Pharmacoeconomics & Outcomes Research (APOR) Inc. incorporated in NJ	Beginning of the Society as a business
June 3 & October 22, 1995, May 12, 1996	Founders Meetings (3) held in Philadelphia, PA, Chicago, IL & Philadelphia, PA	The APOR Founders were the pillars on which the Society was built. Founders are listed at: http://www.ispor.org/board/founders.asp .
October 10, 1995	USA IRS approved APOR as a 501(c)(3) non-profit organization	APOR now recognized financially as non-profit public educational and scientific organization.
December 5, 1997	Restated Certificate of Incorporation in NJ - APOR name changed to Board approved - International Society for Pharmacoeconomics and Outcomes Research Inc.	International Society for Economic Evaluation of Medicine merged with APOR bringing European KOLs to the Society and APOR renamed.
Feb 26, 1998	US IRS approved ISPOR as a 501(c)(3) non-profit organization	ISPOR remains a non-profit public educational and scientific organization
MEMBERSHIP		
1995	240 members	2014: 8416 members
ISPOR CHAPTERS, NETWORKS, AND CONSORTIA		
<i>Student Chapters</i>		
July 1998	First Student Chapter formed at the University of Texas at Austin.	Faculty Advisor: Karen Rascati, RPh, PhD (USA); In 2014, 69 Student Chapters
<i>Regional Chapters</i>		
<i>An ISPOR Regional Chapter is a group within a country or region that supports the mission of the Society and is affiliated with ISPOR.</i>		
January 1998	First Regional Chapter formed in Moscow, Russia – Russia Chapter	President is Pavel Vorobiev, MD, MSc, PhD ; In 2014, 79 Regional Chapters with 7500 ISPOR Regional Chapter members.
<i>Consortia</i>		
<i>A Consortium is a regional group within ISPOR consisting of ISPOR Chapters in the region as well as individuals interested in the region and individuals interested in the development and use of the science in the region.</i>		
July 2004	Asia Consortium formed	Executive Committee Chair: Gordon G. Liu, PhD (China); Advisory Committee Chair: Hong Li, PhD, MPH (USA).
October 2009	Latin American Consortium formed	Executive Committee Chair: Federico Augustovski, MD, MSc, PhD (Argentina); Advisory Committee Chair: Lou Garrison, PhD (USA).
<i>Regional Networks</i>		
<i>An ISPOR Regional Network is a group within ISPOR consisting of ISPOR Regional Chapters from different countries, who share a common language or geographic location or, it represents Regional Chapter members interested in the science and its use in health.</i>		
May 2011	Arabic Network formed	Chair: Ibrahim Al-Abadi, BPharm, PhD, MBA (Jordan).
November 2012	Central & Eastern European Network	Chair: Zoltan Kalo, MSc, MD, PhD (Hungary).
January 2014	Africa Network	Chair: Jacques Snyman, MBChB, MPharmMed, MD (South Africa).

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MEETINGS		
May 12-15, 1996	APOR 1st Annual International Meeting, Philadelphia, PA, USA	96 abstracts submitted (vs. 1953 in 2014); 382 attendees (vs. 3375 in 2014).
December 10-12, 1998	ISPOR 1st Annual European Congress, Cologne, Germany	137 abstracts submitted (vs. 2343 in 2014); 350 attendees (vs. 4811 in 2014); Program Co-chairs: Jonathan Cooke, MPharm, PhD (UK); Peter Davey, MD, FRC (Scotland), Alan Hillman, MD, MBA (USA); Karl Lauterbach, MC, ScD (Germany).
September 1-3, 2003	ISPOR 1st Asia-Pacific (biennial) Conference, Kobe, Japan	104 abstracts submitted (vs. 645 in 2014); 250 attendees (vs. 1260 in 2014); Isao Kamae, MD, DrPH (Japan), Naoki Ikegami, MD, MA (Japan); Shuzo Nishimura, PhD (Japan).
September 9-11, 2007	ISPOR 1st Latin America (biennial) Conference, Cartagena, Columbia	124 abstracts submitted (vs. 451 in 2013); 272 attendees (vs. 741 in 2013): Program Co-chairs: Diana Pinto, MD, MHAH, DSc (Colombia).
PUBLICATIONS		
<i>Journals</i>		
Summer 1995	APOR (ISPOR) Newsletter published	First APOR (ISPOR) news publication to all members.
May 1998	<i>Value in Health</i> published	<i>Value in Health</i> is the ISPOR peer-reviewed scientific journal containing original articles and meeting abstracts. Editors-in-Chief are: Joel Hay, PhD (1998-2001) (USA), Josephine Mauskopf, PhD (2002- 2009) (USA), Michael Drummond, PhD (UK) and C. Daniel Mullins, PhD (2010-2018) (USA).
January/February 2001	<i>Value in Health</i> is listed in Index Medicus (Medline)	Medline listing is quite valuable to increasing the profile and prominence of <i>Value in Health</i> .
July/August 2002	<i>ISPOR CONNECTIONS</i> published	ISPOR Newsletter is renamed <i>ISPOR CONNECTIONS</i> , an ISPOR technical and news journal, edited by Steve Marx, PharmD, MS (USA) (July 2000- 2008); David Thompson, PhD (USA) & Thomas Mittendorf, PhD (Germany) (2008-2012), David Thompson, PhD (USA) (2012-2016).
June 2005	<i>Value in Health</i> first Impact Factor (2004) is 3.657	For 2004 <i>Value in Health</i> ranked #1 in the Health Policy and Services Social Science category.
May 2012	<i>Value in Health Regional Issues</i> published	<i>Value in Health Regional Issues (VIHRI)</i> , edited by Bong-min Yang, PhD (South Korea); Dan Greenberg, PhD (Israel), and Federico Augustovski, MD, MSc, PhD (Argentina) is a scientific journal focusing on the science of pharmacoeconomics /health economic and health outcomes research and its use in health care decisions in Asia, Latin America, Central & Eastern Europe, Western Asia, and Africa.
January/February 2015	<i>Value and Outcomes Spotlight</i> published	<i>Value & Outcomes Spotlight</i> , edited by David Thompson, PhD (USA), replaces <i>ISPOR CONNECTIONS</i> . It is a key vehicle for communication of ISPOR news, condensed versions of key ISPOR meeting plenary sessions, issue panels, and workshops, as well as articles on methodology and health policy issues....and in full color.
<i>Books</i>		
June 1998	<i>ISPOR LEXICON</i> published	The <i>ISPOR LEXICON™</i> , edited by Chris Pashos, PhD (USA); Eric Klein, RPh, PhD (USA), and Lee Wanke, RPh, MS, FASHP (USA), is a reference guide of key terms in the field of pharmacoeconomics and outcomes research.
October 2003	<i>Health Care Cost, Quality And Outcomes: ISPOR Book Of Terms</i> published	Health Care Cost, Quality and Outcomes: ISPOR Book of Terms, edited by Marc Berger, MD (USA), Kerstin Bingefors, PhD (Sweden), Edwin Hedblom, PharmD (USA), Chris Pashos, PhD (USA), George Torrance, PhD (Canada), includes over 100 monographs covering over 400 terms used in health care delivery, management, and regulation, as well as health care outcomes research including clinical, economic, and quality-of-life research terms. This book is published in 12 languages.

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PUBLICATIONS		
<i>Books Continued</i>		
November 2011	<u>Therapeutic and Diagnostic Device Outcomes Research</u> is published	<u>Therapeutic and Diagnostic Device Outcomes Research</u> , edited by Stacey Ackerman, MSc, PhD (USA) ; Marilyn Dix Smith, BSPHarm, PhD (USA) ; Jenifer Ehreth, MHA, PhD (France) ; Randa Eldessouki, MBBCh, MSc, MD (USA) ; Erin Sullivan, MPH, PhD (USA) , is an outcomes research primer for those in the therapeutic and diagnostic device field with the purpose to inform health outcomes researchers on the unique characteristics of therapeutic and diagnostic devices, and medical device developers and researchers on the basic principles of clinical, economic, and patient-reported outcomes research for therapeutic and diagnostic devices.
May 2013	<u>Reliability And Validity Of Data Sources For Outcomes Research & Disease And Health Management Programs</u>	<u>Reliability And Validity Of Data Sources For Outcomes Research & Disease And Health Management Programs</u> , developed by the ISPOR Health and Disease Management SIG and edited by editor-in-chief, Dominick Esposito, PhD (USA) , and assistant editor, Kristen Migliaccio-Walle (USA) provides an overview of the sources of data for conducting 'real-world' outcomes research. The reader will learn how to use and assess the reliability and validity of electronic health records, medical charts, claims and medication databases, alternative population-based data sources, and patient-reported outcomes, as well as other self-reported data.
May 2013	<u>ISPOR Taxonomy of Patient Registries: Classification, Characteristics, & Terms</u> is published	<u>ISPOR Taxonomy of Patient Registries: Classification, Characteristics, & Terms</u> , developed by the ISPOR Patient Registry SIG, edited by Editor-in-Chief, Dimitris Polygenis, PharmD (Canada) , and Assistant Editors: Diana Frame, MPH (USA) , Kirsten Hall Long, PhD (USA) , John McCormick, PhD (Canada) , defines a patient registry and distinguishes how registries are different from other observational studies and randomized controlled trials. Registry design, development, and implementation from registry purpose, site selection and management, patient recruitment, and potential data sources to data capture and management is described.
<i>Newsletters</i>		
October 2000	<i>ISPOR Student NEWS</i> published	The <i>ISPOR Student NEWS</i> is a newsletter specifically for ISPOR students, keeping them informed on ISPOR student and student chapter activities. The first issue was prepared by Morgan S. Bron, PharmD (USA) , Zeba M. Khan, PhD (USA) , Veronica Sendersky, PharmD (USA) .
March 2004	ISPOR eBulletin published	The ISPOR eBulletin provides updates of recent ISPOR activities & events.
March 2012	<i>News Across Asia</i> published	<i>News Across Asia</i> , the ISPOR Asia Consortium newsletter, serves to regularly inform Consortium members on news in the Asia region regarding health policy, health economics and outcomes research, education, ISPOR conferences, ISPOR Asia Consortium initiatives and health technology assessment, which impact health care research and policy decision-making in Asia. Co-Editors Kenneth K.C. Lee, MPhil, PhD (Malaysia, 2012) , Gordon G. Liu, PhD (Mainland China, 2012-2013) Hui-Chu Lang, PhD (Taiwan, 2012-2013) , Asrul Akmal Shafie, PhD, RPh (Malaysia, 2012-2013) , Chee-Jen Chang, PhD (Taiwan, 2014-2016) , Dixon Thomas, PhD (India, 2013-2015) , Nguyen Thi Ban Yen, MD, PhD (Viet Nam, 2013-2015) , Soraya Azmi, MD, MPH (Malaysia, 2015-2017) and Bhagwan Aggarwal, PhD, MBA, MSc, MPhil (India, 2015-2017)
January/February 2013	<i>News Across Latin America</i> is published	<i>News Across Latin America</i> , the ISPOR Latin America Consortium newsletter, serves to regularly inform Consortium members on the conferences, events and initiatives impacting health care research and policy decision making in Latin America. Manuel Antonia Espinoza, MD, MSc, PhD (Chile) .
June 2013	<i>News Across Central & Eastern Europe</i> is published	<i>News Across Central & Eastern Europe</i> , the ISPOR Central and Eastern European Network provide a platform for exchange of knowledge in the CEE region on current health care system & policies, outcomes research & education. Co-editors: John Yfantopoulos, PhD (Greece) , Dusan Djuric, MD, PhD (Serbia) , Andras Inotai, PharmD, PhD (Hungary)

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EDUCATION		
<i>Short Courses</i>		
May 1998	Eight Short Courses prior to 3rd International Meeting, Philadelphia, PA	Topics and faculty: Pharmacoeconomics-Intro and Advanced – William McGhan, PharmD, PhD (USA) & Renee Goldberg Arnold, PharmD (USA), Quality-of-Life Instruments – Pennifer Erickson, PhD (USA); Decision Analysis Modeling – Morris Raker, JD (USA); Meta-Analysis- Intro and Applications – Elaine Allen, PhD (USA) and Susan Ross, MD (USA), and Bayesian analysis – Karl Claxton, PhD (UK); In 1998, 171 attendees (vs. 27 Short Courses with 2227 attendees in 2014).
December 1998	Four Short Courses prior to the 1st European Congress, Cologne, Germany	Topics and faculty: Pharmacoeconomics – William McGhan, PharmD, PhD (USA); Quality-of-Life Instruments – Patrick Marquis, MD (France); Meta-Analysis – Tom Einarson, PhD (Canada); Decision Analysis – Guido Wendland (Germany); In 1998, 80 attendees (vs. 25 Short Courses and 2977 attendees in 2014).
September 2003	Six Short Courses prior to the 1st Asia-Pacific Conference, Kobe, Japan	Topics and faculty: Pharmacoeconomics – Kenneth K.C. Lee, PhD, MPhil (Hong Kong) and Yasushi Ohkusa, PhD (Japan); Quality-of-life: Intro and Advanced – Bruce Crawford, MA, MPH (USA), Linda Abetz, MA (UK), Shuzo Nishimura, PhD (Japan), Decision Analysis – Shu Chuen Li, PhD, MBA, MSc (Singapore) and Tsunetaro Sakurai, MD (Japan); Pharmacoeconomics and Outcomes Modeling – William McGhan, PharmD, PhD (USA), Meta-Analysis and Systematic Literature Review – Thomas Einarson, PhD (Canada), Takashi Fukuda, PhD (Japan), Kiichiro Tsutani, MD, PhD (Japan), Ataru Igarashi, PhD (Japan); 193 attendees (vs. 1080 in 2014).
September 2007	Eight Short Courses prior to the 1st Latin America Conference, Cartagena, Colombia	Topics and faculty: Pharmacoeconomics – Diego Rosselli, MD (Colombia); Adolfo Rubinstein, MD, MSc, PhD (Argentina); Modeling-Intro & Applied – Federico Augustovski, MD, MSc (Argentina); Marcelo Fonseca, MD, MSc (Brazil); Sebastián García Martí, MD (Argentina); Jorge Guzmán, MD (Mexico); Extracting Cost Data – Gabriela Tannus Branco de Araújo, MBA (Brazil) & Walter Toro Jiménez, MD, PhD (Columbia); Meta-Analysis & Systematic Review – Agustín Ciapponi, MD (Argentina) & Márcio Machado, PharmD, PhD (Canada); Discrete Event Simulation – J. Jaime Caro, MDCM, FDRPC, FAPC (USA); Quality-of-life & Patient Reported Outcomes – Rafael Alfonso, MD (Columbia) & Hermilo Arturo Cabra, MD (Mexico); Development of PE Guidelines – Leonardo Cubillos Turriago, MD, MPH (Colombia); Atanacio Valencia Mendoza (Mexico); 186 attendees (vs. 295 in 2013).
May 2008	Distance Learning Program (online courses) developed by ISPOR launched	Topics: HRQoL: Basics, Using Real World Data, Cost-Consequence/Cost-Minimization Analysis, Cost Utility Analysis, Cost-Effectiveness Analysis, Cost Estimation/Cost-of-Illness, Introduction to Pharmacoeconomics; 19 courses and 6176 users to date (end of 2014).
<i>Webinar Series</i>		
September 2013	First Educational Webinar launched	Topic & faculty: State-Transition Modeling – Uwe Siebert, MD, MPH, MSc, ScD (Austria), Karen Kuntz, ScD (USA), Beate Jahn, PhD (Austria); 9 webinars based on ISPOR Good Practice Reports with 16,709 downloads through 2014.
TOOLS		
<i>Tools for Researchers</i>		
January/February 2003	ISPOR Good Practices for Outcomes Research first report published in <i>Value in Health</i>	ISPOR Good Practices for Outcomes Research Reports are consensus guidance recommendations for conducting outcomes research (clinical, economic, and patient-reported outcomes) or for using outcomes research in health care decisions. First report title and authors; Principles of Good Practice for Decision Analytic Modeling in Health-Care Evaluation: Report of the ISPOR Task Force on Good Research Practices – Modeling Studies; Milton C. Weinstein, PhD (USA), Bernie O'Brien, PhD (Canada), John Hornberger, MD, MS (USA), Joseph Jackson, PhD (USA), Magnus Johannesson, PhD (Sweden), Chris McCabe, MSc (UK), Bryan R. Luce, PhD (USA); 52 reports published through 2014 with 192,086 downloads in the past 12 months for these reports. >

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TOOLS		
<i>Tools for Researchers Continued</i>		
April 2005	Scientific Presentations Database launched at the ISPOR website	The ISPOR SCIENTIFIC PRESENTATIONS DATABASE (before formerly called the ISPOR Research Digest) is an electronic database of research papers presented at ISPOR Annual International Meetings, ISPOR Annual European Congresses, ISPOR Asia-Pacific Conferences, and ISPOR Latin America Conferences from 1998 to date. It contains nearly 30,000 research presentations from ISPOR meetings. More than 50% of these presentations include a PDF file of the poster presentation or podium slides. This database is searchable by disease, by topic [clinical outcomes, economic outcomes, and patient-reported outcomes, health policy, or methods & concepts], and by meeting/congress/conference.
October 2012	Outcomes Research Guideline Index - Guideline Index for Outcomes Research and Use in Health Care Decision Making was launched at the ISPOR website	Outcomes Research Guideline Index is a web-based compendium of methods guidelines (as well as key textbooks and review papers) used in generating health care research evidence, synthesizing evidence, and using evidence in health care decision making, developed by the Vision 2020 Implementation Task Force Research Working Group; Leaders – Ansgar Hebborn, PhD (Switzerland), Mark Sculpher, PhD (UK), Finn Børlum Kristensen, MD, PhD (Denmark).
<i>Tools for Decision-makers</i>		
April 2004	PE Guidelines Around the World launched at the ISPOR website	Pharmacoeconomic Guidelines Around the World provides a comparative table of 32 guideline key features. Country-specific guidelines' key features as well as hyperlinks or full text of the guideline or publication reference including a map of the country.
November 2007	Global Health Care Systems Road Map launched at the ISPOR website	The ISPOR Global Health Care Systems Road Map provides information on country/region-specific decision-making processes for regulatory (market access) approval, reimbursement and economic evaluations of pharmaceuticals and medical devices and diagnostics. Developed by Global Health Care Reimbursement Systems and Decision Processes Working Group and Health Technology Assessment of Medical Devices & Diagnostics Working Group of the HTA SIG; Co-chairs – Stefan Holmstrom, MSc (The Netherlands), Karl Matuszewski, MS, PharmD (USA), Kevin Mayo, PhD (USA), Noreen Sullivan (USA), Sheryl Szeinbach, MS, PhD, RPh (USA).
September 2014	Assessing the Evidence for Health Care Decision Makers Questionnaires	Assessing the Evidence for Health Care Decision Makers Questionnaires are public online/interactive questionnaires to evaluate modeling, prospective and retrospective observational, and network meta-analysis/indirect treatment comparison studies. Leaders: Marc Berger, MD (USA), Bradley Martin, PharmD, PhD, RPh (USA); Jaime Caro, MDCM, FRCPC, FACP (USA); Jeroen P. Jansen, PhD (USA). These questionnaires were developed in collaboration with the Academy of Managed Care Pharmacy (AMCP) and the National Pharmaceutical Council (NPC) with 2414 users to date. ■