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Dr. Signorovitch advises life sciences companies on data analytics for business critical research and decision making. He has broad experience leading the strategic development and implementation of analytics across the product life cycle, from early-phase clinical studies to market access and real-world evidence generation. Dr. Signorovitch's practice areas span trial design, multi-stakeholder collaborations, natural history studies, regulatory interactions, health economic modeling, global reimbursement submissions, policy evaluation, real-world evidence development, individualized medicine, predictive analytics, and due diligence for acquisitions. He has particular expertise in developing and applying new methodologies to address health care research challenges, and in designing analytics platforms to enhance collaborative research and decision making. Dr. Signorovitch's work has been used to inform clinical regulators and health care payers in US and global markets, published in peer-reviewed journals, and presented at clinical and economic research conferences. Prior to joining Analysis Group, Dr. Signorovitch was a research fellow at the Harvard-MIT Division of Health Sciences and Technology.

EDUCATION

2007 Ph.D., biostatistics, Harvard University
2002 B.A., biology, Cornell University

PROFESSIONAL EXPERIENCE

2008–Present Analysis Group, Inc.
 Managing Principal (2017–Present)
 Vice President (2013–2017)
2007 Massachusetts Institute of Technology
 Research Fellow & Instructor in Biomedical Decision Making

ARTICLES & PUBLICATIONS

“Peripheral Nervous, Hepatic, and Gastrointestinal Endpoints for AL Amyloidosis Clinical Trials: Report from the Amyloidosis Forum Multi-organ System Working Group.” Mauermann ML, Clarke JO, Litchy WJ, Obici L, Lousada I, Gertz MA; Amyloidosis Forum Working Group Participants. *Advances in Therapy* 2023 Sep. e-pub ahead of print 2023/09/02; doi: 10.1007/s12325-023-02637-4.

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“DMD Genotypes and Motor Function in Duchenne Muscular Dystrophy: A Multi-institution Meta-analysis With Implications for Clinical Trials.” Muntoni F, Signorovitch J, Sajeev G, Lane H, Jenkins M, Dieye I, Ward SJ, McDonald C, Goemans N, Niks EH, Wong B, Servais L, Straub V, Guglieri M, de Groot IJM, Chesshyre M, Tian C, Manzur AY, Mercuri E, Aartsma-Rus A. *Neurology* 2023 Apr; 100(15): e1540-e1554; doi: 10.1212/wnl.0000000000201626.

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“Comparative effectiveness without head-to-head trials: a method for matching-adjusted indirect comparisons applied to psoriasis treatment with adalimumab or etanercept.” Signorovitch JE, Wu EQ, Yu AP, Gerrits CM, Kantor E, Bao Y, Gupta SR, Mulani PM. *Pharmacoeconomics*. 2010;28(10):935-45.

“Phylogeny and biogeography of Hydra (Cnidaria: Hydridae) using mitochondrial and nuclear DNA sequences.” Martinez DE, Iniguez AR, Percell KM, Willner JB, Signorovitch J, Campbell RD. *Molecular Phylogenetics and Evolution*. 2010;57(1):403-10.

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“Hospital visits and costs following outpatient treatment of CAP with levofloxacin or moxifloxacin.” Signorovitch JE, Sheng Duh M, Sengupta A, Gu A, Grant R, Raut M, Mody SH, Schein J, Fisher AC, Ng D. *Current Medical Research and Opinion*. 2010;26(2):355-63.

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“Bladder cancer detection with CT urography in an Academic Medical Center.” Sadow CA, Silverman SG, O'Leary MP, Signorovitch JE. *Radiology*. 2008;249(1):195-202.

“N-terminal pro B-type natriuretic peptide levels predict newly detected atrial fibrillation in a population-based cohort.” Asselbergs FW, van den Berg MP, Bakker SJ, Signorovitch JE, Hillege HL, van Gilst WH, van Veldhuisen DJ. *Netherlands Heart Journal*. 2008;16(3):73-8.

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“Physiological importance of a circadian clock outside the suprachiasmatic nucleus.” Storch KF, Paz C, Signorovitch J, Raviola E, Pawlyk B, Li T, Weitz CJ. *Cold Spring Harbor Symposia on Quantitative Biology*. 2007;72:307-18.

“Intrinsic circadian clock of the mammalian retina: importance for retinal processing of visual information.” Storch KF, Paz C, Signorovitch J, Raviola E, Pawlyk B, Li T, Weitz CJ. *Cell*. 2007;130(4):730-41.

“Effect of glutathione S-transferase polymorphisms and proximity to hazardous waste sites on time to systemic lupus erythematosus diagnosis: results from the Roxbury lupus project.” Karlson EW, Watts J, Signorovitch J, Bonetti M, Wright E, Cooper GS, McAlindon TE, Costenbader KH, Massarotti EM, Fitzgerald LM, Jajoo R, Husni ME, Fossel AH, Pankey H, Ding WZ, Knorr R, Condon S, Fraser PA. *Arthritis & Rheumatology*. 2007;56(1):244-54.

“Correcting for ascertainment biases when analyzing SNP data: applications to the estimation of linkage disequilibrium.” Nielsen R, Signorovitch J. *Theoretical Population Biology*. 2003;63(3):245-55.

“PATRI-paternity inference using genetic data.” Signorovitch J, Nielsen R. *Bioinformatics*. 2002;18(2):341-2.

SELECTED PRESENTATIONS & SPEAKING ENGAGEMENTS

“Characterization of Patients with Duchenne Muscular Dystrophy across Previously Developed Health States,” with Johnson M, Gomez-Lievano A; International Society for Pharmacoeconomics & Outcomes Research (ISPOR) 2023, May 7–10, 2023

“Clinical features associated with a treatment-refractory phenotype in chronic spontaneous urticaria (CSU),” with Soong W, Patil D, Pivneva I, Wells MA, Balp M-M, Kuruvilla M; American Academy of Allergy Asthma and Immunology (AAAAI) Annual Meeting, February 24–27, 2023

“Economic Burden and Treatment Patterns Among Patients with Mantle Cell Lymphoma in the US: A Retrospective Claims Analysis,” with Garg M, Satija A, Song Y, Sarpong E, Meade B, Lemus-Wirtz E, Gaburo K, Raut M, Ryland KE, Chakraborty S; 64th American Society of Hematology (ASH) Annual Meeting and Exposition, December 10–13, 2022

“Real-World Treatment Patterns, Healthcare Resource Use, and Costs Among Patients with Diffuse Large B-Cell Lymphoma: A Retrospective Analysis of US Claims Data,” with Garg M, Satija A, Song Y, Sarpong E, Meade B, Lemus-Wirtz E, Gaburo K, Raut M, Ryland KE, Chakraborty S; 64th ASH Annual Meeting and Exposition, December 10–13, 2022

“PREDICT-CU: Predicting time to clinical remission in chronic urticaria,” with Pivneva I, Balp M-M, Geissbühler Y, Severin T, Smeets S, Cornwall T, Danyliv A, Walsh S, Soong W, Marsland AM; 6th GA²LEN Global Urticaria Forum (GUF), December 7–8, 2022

“Remission and comorbidities in chronic spontaneous and chronic inducible urticaria,” with Pivneva I, Balp M-M, Danyliv A, Chen K, Cornwall T, Severin T, Soong W, Marsland AM; 6th GA²LEN GUF, December 7–8, 2022

“Contemporary outpatient management of patients with and without worsening heart failure with reduced ejection fraction (HFrEF) within a single integrated system: results from electronic medical record data in the CHART-HF study,” with Gaggin HK, Greene SJ, Zhou M, Lautsch D, Song Y, Stevenson AS, Blaustein RO, Butler J; American Heart Association (AHA) Scientific Sessions, November 5–7, 2022

“Medication changes and reasons for no medication change among outpatients with heart failure with reduced ejection fraction: results from CHART-HF,” with Greene SJ, Gaggin HK, Zhou M, Lautsch D, Song Y, Stevenson AS, Blaustein RO, Butler J; AHA Scientific Sessions, November 5–7, 2022

“Economic burden associated with changes in Sjögren’s disease activity among patients in a major Integrated Delivery Network in the United States,” with Ndife B, Patel S, Pivneva I, Rossi C, Duna G, Lawrence M; Academy of Managed Care Pharmacy (AMCP) Nexus Annual Meeting, October 11–14, 2022

“Predicting time to clinical remission in chronic urticaria: can it be done with a simplified model?” with Balp M-M, Pivneva I, Geissbühler Y, Severin T, Smeets S, Cornwall T, Danyliv A, Walsh S, Soong W, Marsland AM; European Academy of Dermatology and Venereology (EADV) Congress, September 7–10, 2022

“Evaluation of NT-proBNP as surrogate endpoint in AL amyloidosis: development of a platform for federated, multi-institution meta-analysis of randomized trials,” with Dispenzieri A, Maurer M, Huang X, Sanchorawala V, Dunnmon P, Klersy C, Gambini G, Brown D, Barbachano Y, Adigun R, Hsu K, Lousada I, Xiu L, Faller D, Labotka R, Merlini G, Palladini G; XVIII International Symposium on Amyloidosis, September 4–8, 2022

“Real-world disease-free survival as a predictor of overall survival in resected early-stage non-small cell lung cancer,” with West H, Hu X, Chirovsky D, Song Y, Zhang S, Gao C, Carley C, Lerner A, Samkari A; IASLC 2022 World Conference on Lung Cancer (WCLC), August 6–9, 2022

“Comorbidity burden and healthcare resource utilization (HRU) associated with non-response to H1-antihistamines (H1AH) alone or in combination with non-biologic treatments for chronic spontaneous urticaria,” with Soong W, Patil D, Pivneva I, Bhak R, Balp M-M, Freedle K; European Academy of Allergy and Clinical Immunology (EAACI) Hybrid Congress, July 1–3, 2022

“Variation in recurrence rate and overall survival (OS) outcomes by disease stage and incremental impact of time to recurrence on OS in localized renal cell carcinoma (RCC),” with Haas NB, Bhattacharya R, Song Y, Willemann-Rogério J, Zhang S, Carley C, Anderson A, Sundaram M; American Society of Clinical Oncology (ASCO) Annual Meeting, June 4–6, 2022

“Projected impact of omidubicel on racial and ethnic disparities in allogeneic hematopoietic cell transplant access and outcomes for patients with hematologic malignancies in the US,” with Gergis U, Khara N, Edwards ML, Song Y, Sun R, Simantov R, Sivaraman S, and Manghani R; Transplantation & Cellular Therapy Tandem Meetings, April 23–26, 2022

“Factors influencing natural remission in chronic urticaria – preliminary results from a machine learning real-world study,” with Balp MM, Pivneva I, Geissbühler Y, Severin T, Smeets S, Signorovitch J, Royer

J, Liang Y, Cornwall T, Pan J, Danyliv A, Marsland A, and Soong W; EAACI Hybrid Congress 2021, July 10–12, 2021

“Predicting time to natural remission in chronic urticaria using random survival forest model,” with Pivneva I, Balp MM, Geissbühler Y, Severin T, Smeets S, Signorovitch J, Royer J, Liang A, Cornwall T, Pan J, Danyliv A, Marsland A, and Soong W; EAACI Hybrid Congress 2021, July 10–12, 2021

“Productivity Costs Associated with Disease Recurrence Among Surgically-Treated Patients with Triple-Negative Breast Cancer,” with Sieluk J, Haiderali A, Huang M, Hirshfield K, Signorovitch J, Song Y, Freimark J, Wang T; Virtual ISPOR 2021, May 17–20, 2021

“Real-World Treatment Patterns with Second-Generation Oral Antipsychotics Among People with Schizophrenia Insured by Medicaid,” with Garcia Horton V and Macaulay D; AMCP Annual Meeting 2020, April 21–24, 2020

“A Phase 1b/2 study of RG6206 (BMS-986089) in boys with Duchenne muscular dystrophy: 72-week update,” with Dregghici R, Wagner KR, Wong BL, Byrne BJ, Tian C, Jacobsen LK, Tirucherai GS, Rabbia M, Kletzl H, Yen K, Sajeev G, Ward SJ, and Krishnan M; 61st Annual Meeting of the Japanese Society of Child Neurology, May 31–June 2, 2019

“Matching Adjusted Indirect Comparisons: Recommendation for the Selection of Baseline Characteristics Used for Matching,” with Gao W, Patterson-Lomba O, Wu EQ, and Ayyagari R; ISPOR 2019, May 18–22, 2019

“Matching-Adjusted Indirect Comparison of Efficacy and Safety of Acalabrutinib Versus Ibrutinib in the Treatment of Relapsed/Refractory Mantle Cell Lymphoma,” with Telford C, Kabadi S, Abhyankar S, Song J, Zhao J, and Yao Z; ISPOR 2019, May 18–22, 2019

“Early Predictors of Sjogren’s Syndrome: A Machine Learning Approach,” with Royer J, Pivneva I, Huber W, and Capkun G; ISPOR 2019, May 18–22, 2019

“Consensus grading of cytokine release syndrome (CRS) in adult patients with relapsed or refractory diffuse large B-cell lymphoma (R/R DLBCL) treated with tisagenlecleucel on the JULIET study,” with Schuster SJ, Maziarz RT, Ericson SG, Rusch ES, Romanov VV, Locke FL, and Maloney DG; 60th Annual Meeting of the American Society of Hematology, December 1–4, 2018

“Grading of neurotoxicity in patients with relapsed or refractory diffuse large B-cell lymphoma (R/R DLBCL) receiving tisagenlecleucel treatment in the JULIET study,” with Maziarz RT, Schuster SJ, Romanov VV, Rusch ES, Ericson SG, Maloney DG, and Locke FL; 60th Annual Meeting of the American Society of Hematology, December 1–4, 2018

“Ambulatory Function in Duchenne Muscular Dystrophy (Dmd): The Characteristic Trajectory and Variation across Individuals,” with Muntoni F, Sajeev G, Yao Z, Ward SJ, and Abrams KR; ISPOR Europe 2018: New Perspectives for Improving 21st Century Health Systems, November 10–14, 2018
Best Podium Presentation Award

“Artificial Intelligence Assisted Literature Reviews: Key Considerations for Implementation in Health Care Research,” with Wu EQ, Royer J, Ayyagari R, and Thokala P; ISPOR Europe 2018: New Perspectives for Improving 21st Century Health Systems, November 10–14, 2018

“Real-world comparative effectiveness of treatment sequences in metastatic non-small cell lung cancer with squamous histology,” with Yang H, Levy BP, Patterson-Lomba O, Xiang CQ, and Parisi M; 8th European Lung Cancer Congress, April 11–14, 2018

“Treatment patterns and clinical characteristics among patients with tuberous sclerosis complex related angiomyolipomas,” with Swallow E, Song J, Peeples M, Meiselbach M, Said Q, Prestifilippo J, Wong M, Northrup H, Frost M, Korf B, and Sparagana S; 2017 International Research Conference on TSC and LAM, June 22–24, 2017

“Comprehensive genomic profiling (CGP) versus conventional molecular diagnostic testing of patients with advanced non-small cell lung cancer (NSCLC): Overall survival (OS) and cost in a U.S. health plan population,” with Zhou Z, Ryan J, and Chawla A; ASCO Annual Meeting, June 2–6, 2017

“Estimated cost of anticancer therapy directed by comprehensive genomic profiling (CGP) in a single-center study,” with Janku F, Wheeler JJ, Miller VA, Ryan J, Zhou Z, and Chawla A; ASCO Annual Meeting, June 2–6, 2017

“Association between time to progression and subsequent survival in previously treated BRAF V600E-mutant metastatic non-small cell lung cancer,” with Sasane M, Li J, Zhang J, Zhao J, Ricculli ML, and Redhu S; 7th European Lung Cancer Conference, May 5–8, 2017

“Identifying higher-value subpopulations for treatment in heterogeneous rare diseases: An example study of early responders to teduglutide for short bowel syndrome,” with Chen K, Xie J, Tang C, Zhao J, Olivier C, and Jeppesen PB; ISPOR 19th Annual European Congress, October 29–November 2, 2016

“M.S. Patients’ Willingness to Pay for a Subcutaneous Injection Device That Reduces Injection Site Pain in the Treatment of Psoriasis,” with Cividino A, Mittal M, and Yang M; 25th EADV Congress, September 28–October 2, 2016

“Temporal trends in overall survival and disease-specific survival among patients with advanced renal cell carcinoma during the targeted therapy era: A SEER-Medicare analysis,” with Vogelzang NJ, Swallow E, Peeples M, Koo V, Perez JR, Ghate S, and Pal SK; ASCO Annual Meeting, Jun 3–7, 2016

“Measuring opportunities to improve health outcomes via individualized treatment assignment,” with Patterson-Lomba O; ISPOR 21st Annual International Meeting, May 21–25, 2016

“Epilepsy treatment patterns among patients with tuberous sclerosis complex,” with Sparagana S, Swallow E, Song J, King S, Peeples M, Liu Z, Prestifilippo J, Kohrman M, Korf B, Krueger D, and Wong M; 68th Annual Meeting of the American Academy of Neurology, April 15–21, 2016

“The impacts on work productivity from ceritinib compared with chemotherapy for crizotinib-experienced ALK+ non-small cell lung cancer,” with Zhang J, Song Y, Zhou Z, and Zhang C; 6th European Lung Cancer Conference, April 13–16, 2016

“Development of a risk score to guide individualized treatment selection in attention-deficit/hyperactivity disorder,” with Grebla R, Setyawan J, Yang H, Cheng D, Cai X, Xie J, and Erder M; 16th International Congress of European Society for Child and Adolescent Psychiatry, Jun 20–24, 2015

“Assessment of salary growth in patients with ankylosing spondylitis treated with and without anti-tumor necrosis factor therapy,” with Deodhar A, Mittal M, Joshi A, Yang M, and Bao Y; European League Against Rheumatism Congress, Jun 10–13, 2015

“Assessment of a pulmonary exacerbation risk score among cystic fibrosis patients free of recent exacerbations and not receiving recommended therapies for pulmonary care,” with Sawicki G, Ayyagari R, Zhang J, Fan L, Swallow E, and Shi L; podium presentation, American Thoracic Society International Conference, May 18–23, 2015

“Economic evaluation of timely versus delayed use of anti-tumor necrosis factor (TNF) biologics in the treatment of psoriatic arthritis (PSA) in the US,” with Zhou Z, Griffith JM, Zhong Y, and Ganguli A; ISPOR 20th Annual International Meeting, May 16–20, 2015

“Indirect comparisons for single-arm trials or trials without common comparator arms: what methods are available, how have they been used and how can we evaluate results?” with Swallow ES, Kalsekar A, and Yuan Y; workshop, ISPOR 20th Annual International Meeting, May 16–20, 2015

“A practical model for early identification of response with methotrexate for moderate to severe psoriasis,” with Gordon K, Sundaram M, Arunajadai S, Xie M, Betts K, and Okun M; 73rd Annual Meeting of the American Academy of Dermatology, March 20–24, 2015

“Economic implications of flares among patients with early rheumatoid arthritis (ra),” with Betts K, Garg V, and Bao Y; Annual Scientific Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals, November 14–19, 2014

“The randomized blind start trial: Evaluation of a new study design for assessing clinical outcomes in rare and heterogeneous patient populations,” with Ayyagari R and Kakkis E; ISPOR 17th Annual European Congress, November 8–12, 2014

“Which newly-diagnosed diabetics should receive dietary counseling services? Estimating individualized treatment allocations that optimize cost-effectiveness in real-world data,” with Betts KA, Meng X, Zhuo Y, Wu EQ, and Shi L; ISPOR 17th Annual European Congress, November 8–12, 2014

“Real-world medication persistence with single versus multiple tablet regimens for HIV-1 treatment,” with Sweet D, Song J, and Zhong Y; International Congress of Drug Therapy in HIV Infection 2014, November 2–6, 2014

“One-year and longer-term molecular responses to nilotinib and dasatinib for newly diagnosed chronic myeloid leukemia: A matching-adjusted indirect comparison,” with Chen L, Signorovitch JE, Wu EQ, Betts KA, Reichmann WM, Thomason D, Galebach PJ; presentation, ASCO Annual Meeting, June 30–July 3, 2014 (suppl abstract 7072)

“Identifying high-value treatment populations in clinical trials and real-world data,” with Shaw J, Betts K, and Wu EQ; workshop at the ISPOR 19th Annual International Meeting, May 31–June 4, 2014

“Cost-effectiveness of single versus multiple tablet regimens for treatment of HIV-1 infection,” with Sweet DE, Zhuo DY, and Macalalad AR; ISPOR 19th Annual International Meeting, May 31–June 4, 2014

“Real-world persistence with single versus multiple tablet regimens for HIV-1 treatment,” with Sweet DE, Kim Y, Song J, and Zhong Y; ISPOR 19th Annual International Meeting, May 31–June 4, 2014

“Adjusted Indirect Comparisons with Propensity Score Weighting When Individual Patient Data are Unavailable for One Treatment Group: Large Sample Theory and a Simulation Study of Statistical

Performance,” with Ayyagari R; 37th Annual Midwest Biopharmaceutical Statistics Workshop, May 19–21, 2014

“Baseline risk adjustment for indirect comparisons: a Frequentist approach and implications for causal inference,” with Betts K; 37th Annual Midwest Biopharmaceutical Statistics Workshop, May 19–21, 2014

“Which Newly-Diagnosed Diabetics Should Receive Dietary Counseling Services? Estimating Individualized Treatment Allocations That Optimize Cost-Effectiveness in Real-World Data,” with Betts K, Meng X, Shi L, Wu EQ, and Zhuo Y; presented at ISPOR 17th Annual European Congress, November 8–12, 2013

“Assessment of wage and salary growth in patients with rheumatoid arthritis (RA),” with Bergman MJ, De G, Ganguli A, and Bao Y; Annual Scientific Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals, Oct 25-30, 2013

“Cost-effectiveness of different treatment sequences including adalimumab in the treat-to-target framework for early rheumatoid arthritis in Germany,” with Wolff M, Zhou ZY, Shaw JW, and Ganguli A; Annual Scientific Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals, Oct 25-30, 2013

“Association between guideline-adherent imaging and overall survival following second-line targeted therapy for metastatic renal cell carcinoma,” with Lin PL, Pal SK, Jonasch E, Liu Z, Culver KW, Scott JA, and Vogelzang NJ; ASCO Annual Meeting, May 31–June 4, 2013

“Beyond average adherence: Temporal patterns of medication adherence predict hospitalization risk more accurately than the medication possession ratio,” with Ayyagari R, Cheng D, Chopra P, and Wu EQ; podium presentation at ISPOR 18th Annual International Meeting, May 18–22, 2013

“Matching-adjusted indirect comparisons: A simulation study of statistical performance,” with Ayyagari R, Cheng D, and Wu EQ; poster at ISPOR 18th Annual International Meeting, May 18–22, 2013

“Characteristics of psoriasis patients with self-assessed limited disease control despite physician-assessed clear or minimal skin disease,” with Kimball AB, Sundaram M, and Samuelson T; American Academy of Dermatology 71st Annual Meeting, Mar 1–5, 2013

“Detecting undiagnosed depression in patients with moderate to severe psoriasis: Development and validation of a risk score for use in dermatology,” with Cather JC, Sundaram M, Horn EJ, and Yang M; American Academy of Dermatology 71st Annual Meeting, Mar 1–5, 2013

“The importance of adjustment for placebo-arm effects in indirect comparisons of glycemic control in type 2 diabetes mellitus,” with Ayyagari R, Ong SH, Rikun A, Gruenberger JB; 1st American Diabetes Association Middle East Congress, Dec 4–6, 2012

“Benefits of treat-to-target guideline compliance in patients with rheumatoid arthritis: A retrospective claims analysis,” with Bergman MJ, Shaw JW, Cifaldi MA, Guerin A, and Chopra P; Annual Scientific Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals, Nov 9–14, 2012

“Patient-reported outcomes associated with achieving and maintaining low disease activity in rheumatoid arthritis,” with Bergman MJ, Shaw JW, Cifaldi M, De G, He T, and Ayyagari R; Annual Scientific

Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals, Nov 9–14, 2012

“Risk differences in short-term radiographic progression following early response to adalimumab plus methotrexate vs. methotrexate alone,” with Van Vollenhoven R, Shaw JW, Cifaldi MA, Wu EQ, Samuelson TM, Faust E, and Emery P; Annual Scientific Meeting of the American College of Rheumatology and Association of Rheumatology Health Professionals, Nov 9–14, 2012

“Annual healthcare costs for patients with cystic fibrosis from a Medicaid perspective,” with Zhang J, Marynchenko M, Chopra P, Ohashi E, and Wu E; 26th Annual North American Cystic Fibrosis Conference, October 11–13, 2012

“Lower adherence to chronic pulmonary medications is associated with increased health service utilization in patients with cystic fibrosis,” with Quittner AL, Zhang J, Marynchenko M, Chopra P, and Riekert KA; 26th Annual North American Cystic Fibrosis Conference, October 11–13, 2012

“Pulmonary medication adherence among individuals with cystic fibrosis,” with Riekert KA, Zhang J, Marynchenko M, Chopra P, and Quittner AL; 26th Annual North American Cystic Fibrosis Conference, October 11–13, 2012

“Indirect comparisons and network meta-analysis,” a 1.5-day training seminar developed and presented by Analysis Group for the health economics and market access staff of a European drug maker, October 2012

“The effect of adalimumab on risk of major adverse cardiovascular events in rheumatoid arthritis: A meta-analysis of randomized trials,” with Burmester G, Emery P, Williams D, Valdes J, Bao Y, and Mulani PM; Annual European Congress of Rheumatology of the European League Against Rheumatism, June 6–9, 2012

“Use of anti-TNF therapy is associated with reduced cardiovascular event risk in rheumatoid arthritis,” with Nurmohamed MT, Bao Y, Mulani PM, and Furst DE; Annual European Congress of Rheumatology of the European League Against Rheumatism, June 6–9, 2012

“Comparative efficacy at 48 weeks of atazanavir/ritonavir versus darunavir/ritonavir in treatment naive HIV-1 patients: a matching adjusted indirect comparison of randomized trials,” with Du X, Hebden T, Juday T, Swallow E, Uy J, and Xie J; podium presentation at the ISPOR 17th International Meeting, June 2–6, 2012

“Comparing outcomes from separate clinical trials,” seminar on comparative effectiveness research methods, Dana Farber Cancer Institute, Department of Biostatistics, March 15, 2012

“Hypoglycaemia and accident risk in people with Type 2 diabetes treated with antidiabetes drugs without insulin,” with Diener M, Frier BM, Gruenberger JB, Macaulay D, Yan S, and Wu EQ; podium presentation at the Diabetes UK Professional Conference 2012, March 7–9, 2012

“Mixed and indirect treatment comparisons,” seminar, Harvard University, Department of Biostatistics, November 10, 2011

“Effect of tobramycin inhalation solution on mortality in subgroups of patients with cystic fibrosis,” with Latremouille-Viau D, Sawicki G, Shi L, von Wartburg M, Wu EQ, and Zhang J; poster presentation, 25th NACFC Annual Meeting, November 3–5, 2011

“Comparative Effectiveness Research Using Matching-Adjusted Indirect Comparison: A Method for Improving the Reliability and Interpretability of Indirect Comparisons,” with Wu EQ, Xie J, Lu M, Sikirica V, Hodgkins P, and Erder MH; podium presentation, Agency for Healthcare Research and Quality (AHRQ) Invitational Symposium on Research Methods for Comparative Effectiveness (CER) and Patient-Centered Outcomes Research (PCOR), June 6–7, 2011

“Utilizing rich data sources to identify patients’ subgroups that can benefit most from a treatment,” with Betts K, Erder MH, Hodgkins P, Setyawan J, Wei LJ, Wu EQ, Xie J, and Yang H; workshop, Agency for Healthcare Research and Quality (AHRQ) Invitational Symposium on Research Methods for Comparative Effectiveness (CER) and Patient-Centered Outcomes Research (PCOR), June 6–7, 2011

“Improved indirect treatment comparisons for comparative effectiveness research,” with Betts K, Navarro R, and Wu EQ; workshop, ISPOR 16th Annual International Meeting, May 21–25, 2011

“Planning and creating your value proposition: the role of comparative effectiveness data and indirect comparisons Leaf-Herrmann W,” Center for Business Intelligence (CBI) symposium on market access, April 2011

“Comparative effectiveness research for personalized medicine,” with Wei LJ and Wu EQ; workshop, ISPOR 15th Annual International Meeting, May 15–19, 2010

“Robust comparative effectiveness research without head-to-head trials: leveraging primary clinical trial data for indirect comparisons,” International Health Economics Association (IHEA) Annual Conference, July 12–15, 2009

“Comparative Effectiveness without Head- To- Head Trials: Indirect Comparisons Using Primary and Published Clinical Trial Data,” with Wu EQ and Yu A; workshop, ISPOR 14th Annual International Conference, May 16–20, 2009