

OM1 Publications

2021

1. Bryant A, Brecht T, Behling M, Starzyk K, Curhan G. [Characteristics of Asymptomatic Heart Failure Patients with Reduced Ejection Fraction in a Large US-Based Real-World Cohort](#). Poster, 37th Annual International Conference on Pharmacoepidemiology & Therapeutic Risk Management, August 2021. Poster will be available in late August.
2. Bergman M, Tundia N, Bryant A, Topuria I, Brecht T, Ali M, Gibofsky A. [Patient Characteristics and Outcomes in Patients with Rheumatoid Arthritis Treated with Upadacitinib: The OM1 RA Registry](#). Poster, EULAR Conference, June 2021.
3. Doane M, Bessonova L, Friedler H, Mortimer K, Cheng H, Brecht T, O'Sullivan A, Cummings H, McDonnell D, Meyer J. [Weight Gain and Comorbidities Associated With Oral Second-Generation Antipsychotics: Analysis of Real-World Data for Patients With Bipolar I Disorder or Schizophrenia](#). ISBD Conference. May 2021.
4. Palmon N, Momen S, Leavy MB, Curhan G, Boussios C, Gliklich R. [Use of a Natural Language Processing-Based Approach to Extract Suicide Ideation and Behavior from Clinical Notes to Support Depression Research](#). ISPOR May 2021.
5. Alves P, Bandaria J, Leavy MB, Gliklich R, Boussios C, Su Z, Curhan G. [Validation of a machine learning approach to estimate Systemic Lupus Erythematosus Disease Activity Index score categories and application in a real-world dataset](#). RMD Open 2021;7:e001586. doi: 10.1136/rmdopen-2021-001586. May 2021.
6. Alexander JK, Ariely R, Wu Y, Hulbert E, Bryant A, Su Z, Vardi M, Kasturi J. [Real-World Adherence, Discontinuation, and Switching among Patients with Multiple Sclerosis Initiating Generic Glatiramer Acetate from Two Large Real-world Databases in the United States](#). Current Medical Research and Opinion. May 2021.
7. Haley S, Friedler MPH, Kathleen M Mortimer, ScD, MPH, Harry Cheng, MS, Ia Topuria, MS, Shannon Cerf, MHSA, MBA, PharmD, Gary Curhan, ScD, MD, Richard Gliklich, MD, Zhaohui Su, PhD. [Predicting Disease Progression in Non-Alcoholic Steatohepatitis \(NASH\) Patients with Early Stage Fibrosis Within a Large, Representative Real-World Database of US Patients](#). Digestive Disease Week, April 2021.
8. Harbaugh RE, Devin C, Leavy MB, Ghogawala Z, Archer KR, Bydon M, Goertz C, Dinstein D, Nerenz DR, Eakin GS, Lavelle W, Shaffer WO, Arnold PM, Washabaugh CH, Gliklich RE. [Harmonized outcome measures for use in degenerative lumbar spondylolisthesis patient registries and clinical practice](#). J Neurosurg Spine. 2021 Mar

19;1-9. doi: 10.3171/2020.9.SPINE20437. Online ahead of print.

9. Nila Alsheik, MD, Linda Blount, MPH, Qiu Qiong, MD, Melinda Talley, MD, Scott Pohlman, MS, Kathleen, Troeger, MPH, Genevieve Abbey, MD, Victoria L. Mango, MD, Erica Pollack, MD, Alice Chong, MD, MHCI, Greg Donadio, MS, Michael Behling, MPH, Kathleen Mortimer, ScD, MPH, Emily Conant, MD. [Outcomes by Race in Breast Cancer Screening With Digital Breast Tomosynthesis Versus Digital Mammography](#). Journal of the American College of Radiology (JACR) February 2021.

2020

10. Doane M, Bessonova L, Mortimer K, Cheng H, Donadio G, Brecht T, O'Sullivan A, Cummings H, McDonnell D, Meyer J. [Weight Gain and Treatment Interruptions With Second-Generation Oral Antipsychotics: Analysis of Real-World Data Among Patients With Schizophrenia or Bipolar I Disorder](#). Psych NEI November 2020.
11. Starzyk KA, Milberg K, Deshpande A, Swenson A, Curhan G. [An Evaluation of Real-World Use of Biologics in Rare Systemic Vasculitides During Routine Clinical Care in the US](#). Virtual ACR Convergence, November 2020.
12. Cavanaugh C, Donadio G, Starzyk K, Behling M, Curhan G, Gliklich R. [Assessing Comorbid Inflammatory Arthritis Conditions and Swollen to Tender Joint Count Ratios in a Real-World Systemic Lupus Erythematosus Cohort](#). ICPE All Access, September 2020.
13. Topuria I, Cavanaugh C, Donadio G, Starzyk K, Gliklich R. [Comparison of Symptoms, Treatments, and Healthcare Resource Utilization in Patients with Multiple Sclerosis by Sex in a Real-World Cohort in the U.S.](#) ICPE All Access, September 2020.
14. Cavanaugh C, Donadio G, Starzyk K, Behling M, Curhan G, Gliklich R. [Joint Involvement and Disease Activity in Systemic Lupus Erythematosus \(SLE\) Patients: Calculation of Swollen to Tender Joint Count Ratio in a Real-World Cohort in the U.S.](#) EULAR E-Congress, June 2020.
15. Leavy, M, Clarke D, Gibson D, Hajjar S, Berliner E. [Evaluating the Feasibility of Capturing a Core Set of Harmonized Depression Outcome Measures in Primary Care and Mental Health Patient Registries](#). SGIM Conference, June 2020.
16. Conant EF, Mortimer K, Friedler H, Behling M, Donadio G, Hitchcock C, Pohlman S, Sardiña A, Talley M, Alsheik N, [Effect of Breast Cancer Screening Modality Order on Recall, Cancer Detection Rates, and Positive Predictive Value 1 for Women with Multiple Screening Exams](#). Virtual RSNA 2020. Philadelphia, PA, October 2020.
17. Gliklich RE, Leavy MB, Dreyer NA (sr eds). [Registries for Evaluating Patient Outcomes:](#)

[A User's Guide. 4th ed.](#) (Prepared by L&M Policy Research, LLC, under Contract No. 290-2014-00004-C with partners OM1 and IQVIA) AHRQ Publication No. 19(20)-EHC020. Rockville, MD: Agency for Healthcare Research and Quality; September 2020. Posted final reports are on the Effective Health Care Program search page.

18. Leavy MB, Starzyk K, Myers E, Curhan G, Gliklich R, [Using real-world evidence to support a changing paradigm for cancer screening: a commentary](#). *Pharmacoepidemiol Drug Saf.* 2020;1–4.
19. Coste, M., Fenton, MC., Choudhry, Z., Ozog, M., Hashemi, L., Poole, E., Behling, M., Mortimer, K., Aschenbach, B., Guikema, B. [A Real-World Retrospective Analysis of Outcomes in Multiple Sclerosis Patients Who Transitioned to Alemtuzumab After Rituximab or Ocrelizumab](#). American Academy of Neurology Annual Meeting, April 2020.
20. Imel E, Starzyk K, Gliklich R, et al., [Characterizing patients initiating abaloparatide, teriparatide, or denosumab in a real-world setting: a US linked claims and EMR database analysis](#). *Osteoporosis Int* 2020; 31: 2413–2424.
21. Starzyk K, Brecht T, Behling M, Gliklich R, Curhan G. [Characteristics and Disease Management in a Large Real-World Lupus Nephritis Cohort in the US](#). ISPOR Annual Conference. Orlando, FL, May 2020.
22. Behling M, Cavanaugh C, Mortimer K, Cerf S, Starzyk K, Gliklich R. [Predictors of Improvement in Tender Joint Counts Among Patients with Systemic Lupus Erythematosus in A Large, Representative US-Based Real-World Registry Cohort](#). ISPOR Annual Conference. Orlando, FL, May 2020.
23. Gliklich RE, Leavy MB, Cosgrove L, Simon GE, Gaynes BN, Peterson LE, Olin B, Cole C, DePaulo JR Jr, Wang P, Crowe CM, Cusin C, Nix M, Berliner E, Trivedi MH. [Harmonized Outcome Measures for Use in Depression Patient Registries and Clinical Practice](#). *Ann Intern Med.* 2020 Jun 16;172(12):803-809.
24. Alexander J, Kasturi J, Melamed-Gal S, Ariely R, Carroll B, Su Z, Bryant A, Schobel V. [Treatment Patterns and Reasons for Switching among US Patients with Multiple Sclerosis Taking the Glatiramer Acetate Class of Products](#). Poster, ACTRIMS Forum 2020, West Palm Beach, FL, February 2020.

2019

25. Bandaria J, Boussios C, Donadio G, Starzyk K, Gliklich R. [Identifying Progressing Patients in an Artificial Intelligence \(AI\) Based Cohort of Nonalcoholic Steatohepatitis \(NASH\)](#). ISPOR EU Annual Conference. Copenhagen, Denmark, November 2019.

26. Donadio G, Swenson A, Starzyk K, Gliklich R. [Patient Characteristics and Management Of Juvenile Idiopathic Arthritis \(JIA\) In a Large, Representative Real-World Cohort](#). ISPOR EU Annual Conference. Copenhagen, Denmark, November 2019.
27. Mortimer K, Starzyk K, Brecht T, Cerf S, Ballentine P, Gliklich R. [Availability of Disease Activity Measures from Systemic Lupus Erythematosus Patients in a Large, Representative US-Based Real World Registry Cohort](#). ICPE Annual Conference. Philadelphia, PA. August 2019.
28. Mortimer K, Swenson A, Brecht T, Struebel B, Cerf S, Lafontant A, Gliklich R. [Improvements in Disease Activity Scores Associated with bDMARD use by Rheumatoid Arthritis Patients in a Large US-Based Real World Cohort](#). ICPE Annual Conference. Philadelphia, PA. August 2019.
29. Behling M, Bryant A, Brecht T, Cerf S, Gliklich R, Su Z. [Predicting Relapse Episodes in Patients with Multiple Sclerosis Treated with Disease Modifying Therapies in a Large Representative US-Based Real World Cohort](#). ICPE Annual Conference. Philadelphia, PA. August 2019.
30. Allison Bryant, Michael Behling, Shannon Cerf, Richard Gliklich. [Revisiting MS Prevalence in the 21st Century: Exploration Based on a Large Representative US-Based Real World Cohort](#). ICPE Annual Conference. Philadelphia, PA. August 2019.
31. Mortimer K, Starzyk K, Brecht T, Cerf S, Ballentine P, Gliklich R. [Patient Characteristics and Current Management of Systemic Lupus Erythematosus Patients in a Large, Representative US-Based Real World Cohort](#). FOCIS Annual Conference. Boston, MA. June 2019.
32. Swenson A, Starzyk K, Mortimer K, Brecht T, Li F, Strubel B, Gliklich R. [Age and Gender Differences in Comorbidities among Patients with Rheumatoid Arthritis in a Large US-Based Real World Cohort](#). AMCP Annual Conference. San Diego, CA. March 2019.
33. Alexander J, Kasturi J, Melamed-Gal S, Ariely R, Vardi M, Su Z, Brecht T, Bryant A. [Real-World Switching Patterns Among US Generic Glatiramer Acetate Multiple Sclerosis Patients](#). Poster, American Academy of Neurology 71st Annual Meeting, Philadelphia, PA, May 2019.
34. Mortimer K, Behling M, Swenson A, Li F, Brecht T, Strubel B, Cerf S, Lafontant A, Gliklich R. [Depression and Patient Outcomes Among Rheumatoid Arthritis Patients in a Large US-Based Real World Cohort](#). ISPOR Annual Conference. New Orleans, LA. May 2019.
35. Bandaria J, Boussios C, Donadio G, Li F, Mortimer K, Gliklich R, Starzyk K. [Findings From a Non-Alcoholic Steatohepatitis \(Nash\) Cohort Developed via Artificial Intelligence in a Large Representative Population in the U.S.](#) DDW Annual Conference. San Diego

CA. May 2019.

36. Alsheik N, Su Z, Lafontant A, Donadio G, Troeger K, Pohlman S, Talley M, Menon V, Conant E. [Disparities in Accessing Screening Mammography: Opportunities for Improving Diagnostic Outcomes](#). National Comprehensive Cancer Network Annual Conference, Orlando. March 21–23, 2019.
37. Gliklich RE, Leavy MB, Dreyer NA, (eds). [Registries for Evaluating Patient Outcomes: A User's Guide. Fourth edition](#). (Prepared by L&M Policy Research, LLC under Contract No. 290-2014-00004-C with partners OM1 and IQVIA) AHRQ Publication No. Rockville, MD: Agency for Healthcare Research and Quality; Forthcoming 2019.
38. Gliklich RE, Leavy MB, Dreyer NA, (eds). [Tools and Technologies for Registry Interoperability, Registries for Evaluating Patient Outcomes: A User's Guide. 3rd Edition, Addendum II](#). (Prepared by L&M Policy Research, LLC under Contract No. 290-2014-00004-C.) AHRQ Publication No. 17(18)-EHC017-EF. Rockville, MD: Agency for Healthcare Research and Quality; Forthcoming 2019.
39. Gliklich R, Castro M, Leavy MB, Press VG, Barochia A, Carroll CL, Harris J, Rittner SS, Freishtat R, Panettieri RA Jr, Mosnaim GS. [Harmonized Outcome Measures for Use in Asthma Patient Registries and Clinical Practice](#). The Journal of Allergy and Clinical Immunology. 2019 Mar 9. pii: S0091-6749(19)30342-2. doi: 10.1016/j.jaci.2019.02.025. [Epub ahead of print].
40. Gliklich RE, Leavy MB. [Assessing Real-World Data Quality: The Application of Patient Registry Quality Criteria to Real-World Data and Real-World Evidence](#). Ther Innov Regul Sci. 2019;2168479019837520. PMID: 30917687. DOI: 10.1177/2168479019837520.
41. Gliklich RE, Leavy MB, Li F. [Standardized Library of Asthma Outcome Measures](#). Research White Paper. (Prepared by L&M Policy Research, LLC under Contract No. 290-2014-00004-C.) AHRQ Publication No. 19-EHC004-EF. Rockville, MD: Agency for Healthcare Research and Quality; April 2019.
42. Leavy MB, Schur C, Kassamali FQ, Johnson ME, Sabharwal R, Wallace P, Gliklich RE. [Development of Harmonized Outcome Measures for Use in Patient Registries and Clinical Practice: Methods and Lessons Learned. Final Report](#). (Prepared by L&M Policy Research, LLC under Contract No. 290-2014-00004-C) AHRQ Publication No. 19-EHC008-EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2019.
43. Calkins H, Gliklich RE, Leavy MB, Piccini JP, Hsu JC, Mohanty S, Lewis W, Nazarian S, Turakhia MP. [Harmonized Outcome Measures for Use in Atrial Fibrillation Patient Registries and Clinical Practice](#). Endorsed by the Heart Rhythm Society Board of Trustees. Heart Rhythm. 2019;16(1): e3-e16. PMID: 30449519. DOI: 10.1016/j.hrthm.2018.09.021.

2018

44. Gliklich RE, Leavy MB, Li F. [Standardized Library of Atrial Fibrillation Outcome Measures. Research White Paper](#). (Prepared by L&M Policy Research, LLC under Contract No. 290-2014-00004-C.) AHRQ Publication No. 18(19)-EHC026-EF. Rockville, MD: Agency for Healthcare Research and Quality; November 2018.
45. Alsheik NH, Dabbous F, Pohlman SK, Troeger KM, Gliklich RE, Donadio GM, Su Z, Menon V, Conant EF. [Comparison of Resource Utilization and Clinical Outcomes Following Screening with Digital Breast Tomosynthesis Versus Digital Mammography: Findings From a Learning Health System](#). Acad Radiol. 2019 May;26(5):597-605.
46. Su Z, Brecht T, Lafontant A, Boussios C, O'Donovan F, Kekeh C, Starzyk K, Gliklich R, Menon V. [Patient & Provider Characteristics Associated with PHQ-9 Administration and Outcomes Assessment in Routine Clinical Practice: Findings from the OM1 Intelligent Data Cloud](#). ISPOR Annual Conference. Baltimore, MD. May 2018.
47. Bryant A, Brecht T, Su Z, Gliklich R, Menon V. [Impact of New Guidelines for High Blood Pressure: Findings from the OM1 Intelligent Data Cloud](#). ISPOR Annual Conference. Baltimore, MD. May 2018.
48. Piccini JP, Calkins H, Leavy M, Hsu J, Lewis WR, Nazarian S, Turakhia M, Mohanty S, Berliner E, Gliklich R. [Variation in Outcome Measures in Atrial Fibrillation Registries and the Need for Harmonization](#). Heart Rhythm Scientific Sessions. Boston, MA. May 9-12, 2018.
49. Gliklich R, Donadio G, Brecht T, O'Donovan F, Boussios C, Menon V, Su Z. [A Highly Predictive Machine Learning Model to Identify Hospitalized Patients at Risk for 30-day Readmission or Mortality](#). American College of Cardiology Annual Scientific Sessions. Orlando, FL. March 10-12, 2018.
50. Dabbous F, Su Z, Donadio G, Dolan J, Menon V, Alsheik N; [Towards Personalized Breast Imaging Pathways: Initial Findings from a Learning Health System](#). ACOG Annual Conference, March 2018.
51. Alsheik N, Dabbous F, Donadio G, Su Z, Gliklich R, Pohlman S, Mortimer K, Menon V, Conant E. [Impact of Population Characteristic on Recall Rates: Initial Finding from a Learning Health System](#). NCCN Annual Conference, March 2018
52. Gliklich R, Dreyer N, Leavy M, Christian J (eds). [21st Century Patient Registries](#). EBook addendum to [Registries for Evaluating Patient Outcomes: A User's Guide, Third Edition](#). (Prepared by L&M Policy Research, LLC under Contract No. 290-2014-00004-C.) AHRQ Publication No. 17(18)-EHC013-EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2018. www.effectivehealthcare.ahrq.gov.

53. Greenberg B, Christian J, Henry LM, Leavy MB, Moore H. [Biorepositories](#). White Paper, addendum to [Registries for Evaluating Patient Outcomes: A User's Guide, Third Edition](#). (Prepared by L&M Policy Research, LLC, under Contract No. 290-2014-00004-C.) AHRQ Publication No. 17(18)-EHC014-EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2018. www.effectivehealthcare.ahrq.gov.
54. Mack C, Su Z, Weistreich D. [Managing Missing Patient Data in Patient Registries](#). White Paper, addendum to [Registries for Evaluating Patient Outcomes: A User's Guide, Third Edition](#). (Prepared by L&M Policy Research, LLC, under Contract No. 290-2014-00004-C.) AHRQ Publication No. 17(18)-EHC015-EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2018. www.effectivehealthcare.ahrq.gov.
55. Leavy MB. [Multinational Registries: Challenges and Opportunities](#). White Paper, addendum to [Registries for Evaluating Patient Outcomes: A User's Guide, Third Edition](#). (Prepared by L&M Policy Research, LLC, under Contract No. 290-2014-00004-C.) AHRQ Publication No. 17(18)-EHC016EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2018. www.effectivehealthcare.ahrq.gov.
56. Gliklich RE, Bibeau K, Eisenberg F, Hanna J, Leavy MB, Campion D, Christian JB. [Registry of Patient Registries Outcome Measures Framework: Information Model Report](#). Methods Research Report. (Prepared by L&M Policy Research, LLC, under Contract No. 290-2014-00004-C.) AHRQ Publication No. 17(18)-EHC012-EF. Rockville, MD: Agency for Healthcare Research and Quality; February 2018. www.effectivehealthcare.ahrq.gov.

2017

57. O'Donovan F, Brecht T, Kekeh C, Su Z, Boussios C, Menon V, Gliklich R, Fonarow G, Geffen D. [Machine Learning Generated Risk Model to Predict Unplanned Hospital Admission in Heart Failure](#). AHA Scientific Sessions. Anaheim, CA. November 11-15, 2017.
58. Su Z, Brecht T, Gliklich R, Menon V. [Treatment Patterns in Large Vessel Arteritis \(Giant Cell Arteritis and Temporal Arteritis\): Findings from a Large Contemporaneous Real-World Cohort in the US](#). ACR/ARHP Annual Meeting. San Diego, CA. November 4-8, 2017.
59. Gliklich R, Su Z, Brecht T, Menon V. [Initiation of Biologic Disease Modifying Antirheumatic Drug Therapy and Associated Changes in Disease Activity Measures in Routine Clinical Practice: Findings from a Large Contemporaneous Real World Cohort](#). ACR/ARHP Annual Meeting. San Diego, CA. November 4-8, 2017.
60. Gliklich R, Su Z, Brecht T, Menon V. [Comparison of Improvements in Disease Activity between Classes of Biologic Disease Modifying Anti-Rheumatic Drugs in Routine](#)

[Clinical Practice: Findings from a Large Contemporaneous Real World Cohort.](#)
ACR/ARHP Annual Meeting. San Diego, CA. November 4-8, 2017.

61. Gliklich R, Leavy M, Berliner E. [Testing the Robustness of the Outcome Measures Framework.](#) ICPE Annual Conference. Montreal, Canada. August 26-30, 2017
62. Su Z, Brecht T, Gliklich R, Menon V, [Initiation of Biologic Disease Modifying Antirheumatic Drug Therapy and Associated Changes in Disease Activity Measures in Routine Clinical Practice: Findings from a Next Generation Registry,](#) ISPOR Annual Conference. Boston, MA. May 2017.
63. Berliner E, Gliklich R, Franklin P. [Measuring What Matters: Is Standardized Outcome Measurement Necessary to Support Value-Based Care?](#) Issues panels. ISPOR Annual Conference, Boston, MA, May 20-24, 2017.
64. Su Z, Brecht T, Menon V, Gliklich R, Solomon DH, [Patient Reported Outcomes and Changes in DMARD Therapy for Rheumatoid Arthritis in Routine Clinical Practice,](#) ISPOR Annual Conference, Boston, MA. May 20-24, 2017.
65. Berliner E, Gliklich R, Franklin P, Wallace P. [Tearing Down the Tower of Babel in Outcome Measures.](#) Issue Panel, Health Datapalooza. Washington DC. April 27-28, 2017.
66. Su Z, Brecht T, Gliklich R, Menon V. [A Simple Predictive Score for Pre-Admission Identification of Risk of 30-Day Hospital Readmission or Death in Heart Failure,](#) Journal of the American College of Cardiology, Volume 69, Issue 11, Supplement. 21 March 2017, Page 772.
67. Bradley S, Higgins L. [Measuring Value-Based Care with Patient-Reported Outcomes.](#) HIMSS Annual. Orlando, FL. February 19-22, 2017.

2016

68. Hawkes W, Patil D, Su Z. [Analytic Approaches to Handling Missing Data in Observational Studies.](#) FDA ASA Biopharmaceutical Section-Regulatory Industry Statistics. Washington DC. September 28, 2016.
69. Berliner E, Gliklich R, Wallace P, Chin J, Slattery L. Unleashing the Power of Patient Registries through Harmonized Outcomes: An Early Test of the Outcomes Measure Framework (OMF) in Atrial Fibrillation. Challenge Workshop, AcademyHealth Concordium Conference. Washington DC. September 12, 2016.
70. Gliklich R, Leavy M. Identifying Patient-Centered Outcomes for Use in Observational Research: Why and How. Issues panels. Drug Information Association Annual.

Philadelphia, PA. June 26-30, 2016.

71. Patil D, Liu J, Su Z. [Comparing Confidence Intervals of Incidence Rates](#). ISPOR Annual Conference. Washington DC. May 22-25, 2016.