



BRIAN BIEBER

Data Scientist

Contact

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Education

Master of Public Health in Epidemiology

University of Michigan
May 2007

Master of Science in Physiology

Michigan State University
August 2005

Bachelor of Science in Physiology

Michigan State University
May 2003

Software

Proficient in

- SAS
- Python
- R/R Studio
- SQL
- Tableau
- EndNote
- Microsoft Office Suite

AWS Certified Cloud
Practitioner

Experience

Arbor Research Collaborative for Health

Managing Senior Analyst | July 2012 to present

- Analyst team management – Managed team of 6-8 PhD and masters level analysts, optimizing daily and long term workload, mentoring, facilitating professional development, promoting mission adherence, and ensuring fulfilling work environment
- Publication management of 100+ manuscripts and 150+ abstracts – Identified research questions, coordinated detailed analytic plan construction (pre-specified hypotheses, fit with existing data, appropriate analytic approaches), timeline adherence, analytic progress and integrity, drafting, coauthor review, and targeted research dissemination
- Collaboration with stakeholders (researchers, clinicians, nurses, patients) from 20+ countries – review proposals, coordinate timelines, propose and mutually agree upon analytic approaches, craft accurate, compelling, and clear description of research
- DOPPS Practice Monitor project manager – coordinated multiple teams (analyst, programmer, data, and clinical) to provide 1500+ figures and tables related to current practices in dialysis to the nephrology community
- Standard analytic file management – Designed structure and implemented quality control for standard analytic files for 3 international cohort studies: Chronic Kidney Disease Outcomes and Practice Patterns Study (CKDopps), Dialysis Outcomes and Practice Patterns Study (DOPPS) and Peritoneal Dialysis Outcomes and Practice Patterns Study (PDOPPS)
- Symposia presentation coordination – Designed, standardized, and ensured consistent/coherent messages in presentation materials for symposia at 10+ major nephrology conferences
- Initiated and designed project efficiencies – code review checklist, standard timelines, data quality control ticketing system, and EndNote implementation

Arbor Research Collaborative for Health

Analyst | June 2008 to July 2012

- Analyzed data from international dialysis study (DOPPS)-collaborate with principle investigators to formulate and refine scientific hypotheses, implement appropriate statistical strategies, present findings, and publish results
- Managed questionnaire revision process-coordinate with clinicians, epidemiologists, and programmers to update, revise, and publish surveys
- Proficient in SAS-Cox proportional hazards, parametric models, generalized linear models (e.g. logistic and Poisson regression), and linear mixed models
- Developed data visualization template that was adopted as standard for program

Dataset Experience

- USRDS (United States Renal Data System)
 - CMS claims via VRDC
 - DOPPS (international hemodialysis cohort study)
 - CKDopps (international chronic kidney disease cohort study)
 - PDOPPS (peritoneal dialysis cohort study)
 - LURN (Lower Urinary Tract Dysfunction Network)
 - MOQC (Michigan Oncology Quality Consortium)
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Recent Publications

1. Scherer JS, Bieber B, de Pinho NA, et al. Conservative Kidney Management Practice Patterns and Resources in the United States: A Cross-Sectional Analysis of CKDopps (Chronic Kidney Disease Outcomes and Practice Patterns Study) Data. *Kidney Med.* 2023;5(11):100726.
2. Guedes M, Bieber B, Dasgupta I, et al. Serum Phosphorus Level Rises in US Hemodialysis Patients Over the Past Decade: A DOPPS Special Report. *Kidney Med.* 2023;5(2):100584.
3. Goldman S, Zhao J, Bieber B, et al. Gastric Acid Suppression Therapy and its Association with Peritoneal Dialysis-Associated Peritonitis in the Peritoneal Dialysis Outcomes and Practice Patterns Study (PDOPPS). *Kidney360.* 2023.
4. Boudville N, McCullough K, Bieber B, et al. A different PET test: The relationship between pet ownership and peritonitis risk in the Peritoneal Dialysis Outcomes and Practice Patterns Study (PDOPPS). *Perit Dial Int.* 2023;43(3):263-267.
5. Al Sahlawi M, Bieber B, Bansal S, et al. Standardized Peritonitis Reporting: A Quality Improvement Initiative of the Optimizing Prevention of Peritoneal Dialysis-Associated Peritonitis in the United States (OPPUS) Study. *Am J Kidney Dis.* 2023.
6. Yamamoto S, Bieber BA, Komaba H, et al. Medical Director Practice of Advising Increased Dietary Protein Intake in Hemodialysis Patients With Hyperphosphatemia: Associations With Mortality in the Dialysis Outcomes and Practice Patterns Study. *J Ren Nutr.* 2022;32(2):243-250.
7. Tannor EK, Bieber B, Aylward R, et al. The COVID-19 Pandemic Identifies Significant Global Inequities in Hemodialysis Care in Low and Lower-Middle Income Countries-An ISN/DOPPS Survey. *Kidney Int Rep.* 2022;7(5):971-982.
8. Perl J, Bieber B, Tu C, Pecoits-Filho R, Robinson BM, Pisoni RL. The DOPPS Practice Monitor-Peritoneal Dialysis (DPM-PD): From Practice to Policy and Policy to Practice. *Am J Kidney Dis.* 2022;80(3):301-303.
9. Guedes M, Robinson B, Bieber B, Pecoits-Filho R. Authors' Reply. *J Am Soc Nephrol.* 2022;33(3):655-656.
10. Gan L, Wang D, Bieber B, et al. Hepatitis C Prevalence, Incidence, and Treatment in Chinese Hemodialysis Patients: Results From the Dialysis Outcomes and Practice Patterns Study-China (2019-21). *Front Med (Lausanne).* 2022;9:910840.
11. Aylward R, Bieber B, Guedes M, et al. The Global Impact of the COVID-19 Pandemic on In-Center Hemodialysis Services: An ISN-Dialysis Outcomes Practice Patterns Study Survey. *Kidney Int Rep.* 2022;7(3):397-409.
12. Albakr R, Bieber B, Aylward R, et al. An ISN-DOPPS Survey of the Global Impact of the COVID-19 Pandemic on Peritoneal Dialysis Services. *Kidney Int Rep.* 2022;7(10):2196-2206.
13. Al-Ghamdi SMG, Bieber B, AlRukhaimi M, et al. Diabetes Prevalence, Treatment, Control, and Outcomes Among Hemodialysis Patients in the Gulf Cooperation Council Countries. *Kidney Int Rep.* 2022;7(5):1093-1102.
14. Urena-Torres P, Bieber B, Guebre-Egziabher F, et al. Citric Acid-Containing Dialysate and Survival Rate in the Dialysis Outcomes and Practice Patterns Study. *Kidney360.* 2021;2(4):666-673.
15. Liabeuf S, Laville SM, Bieber B, et al. Prescription of Direct Oral Anticoagulants to Patients With Moderate-to-Advanced CKD: Too Little or Just Right? *Kidney Int Rep.* 2021;6(9):2496-2500.

Full list of publications and references available upon request