

Todd A. Miano,¹ Ebbing Lautenbach,² F. Perry Wilson,³ Wensheng Guo,⁴ Yuliya Borovskiy,⁵ and Sean Hennessy¹

¹Center for Pharmacoepidemiology Research and Training, Center for Clinical Epidemiology and Biostatistics, Department of Biostatistics, Epidemiology and Informatics, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pennsylvania;

²Division of Infectious Diseases, Department of Medicine, Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pennsylvania;

³Division of Nephrology, Department of Internal Medicine, Program of Applied Translational Research, Yale University School of Medicine, New Haven, Connecticut, University of Pennsylvania Health System, Philadelphia, Pennsylvania;

⁴Center for Clinical Epidemiology and Biostatistics, Department of Biostatistics, Epidemiology and Informatics, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pennsylvania; and

⁵Department of Information Services, University of Pennsylvania Health System, Philadelphia, Pennsylvania