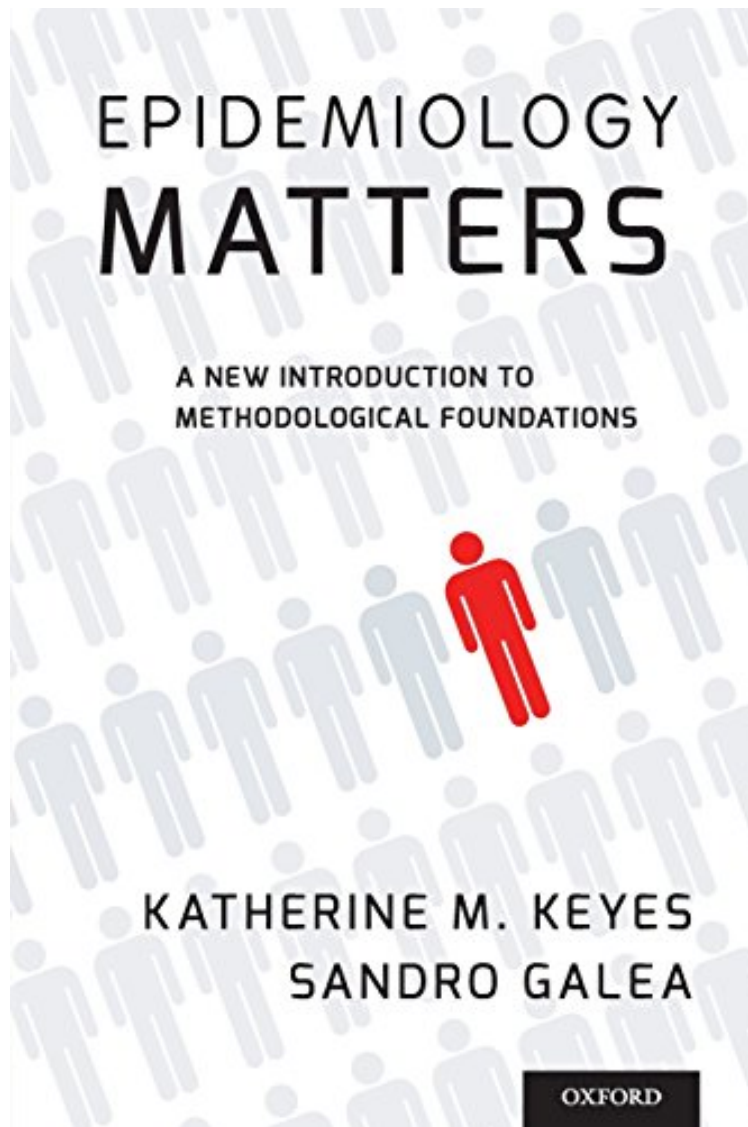


# Epidemiology Matters: A New Introduction to Methodological Foundations

*Katherine M. Keyes, Sandro Galea*  
audiobook / \*ebooks / Download PDF / ePub / DOC



#440742 in Books Katherine M Keyes Sandro Galea 2014-07-16 2014-07-16 Original language: English PDF # 1 6.10 x .60 x 9.20l, .88 #File Name: 0199331243256 pages Epidemiology Matters A New Introduction to Methodological Foundations | File size: 76.Mb

**Katherine M. Keyes, Sandro Galea : Epidemiology Matters: A New Introduction to Methodological Foundations** before purchasing it in order to gage whether or not it would be worth my time, and all praised Epidemiology Matters: A New Introduction to Methodological Foundations:

8 of 8 people found the following review helpful. A Novel Approach to Introductory Epidemiology Indeed!By

Books\_Beaches\_\_Sweaters While visually pleasing and easy to pack around, this text and accompanying materials are recommended, with some caveats: 1) Read the subtitle carefully, as this is not a comprehensive introductory text for clinicians and public health professionals or the soon "to-be"s, instead this book makes a case for the critical usefulness of epidemiology in general and explains, in some detail through a particular stream of thought, the current controversies and trajectory/evolution of the discipline itself. 2) In the free access online supplementary PowerPoint presentations, readers will have an opportunity to review, again and again, the authors' "Seven Steps in Conducting an Epidemiological Study of Consequence," introduced in this text on page 4's Box 1.1 and carried throughout. These are quite useful as an introduction to study design and help to form a mental framework as to why this discipline, does indeed, matter. Readers engaging with this book and supplementary materials will not forget these steps! What you will need to get grounded in are the fundamentals of epidemiological study types, a handful of calculations and their respective interpretations. This may require outside study, depending on your desired use of these fundamental concepts. 3) The authors' novel approach when combined with their "marble jar" analogy helps toward understanding key differences in making causal associations versus identifying known or suspected interactions. The marbles in the jar, however, are quite small on the page (and their tiny patterns important for) following the analogy through to where the authors' hope to guide readers. If the analogy works for you, the book becomes a bargain. If not, it's easy enough to find an alternate source to assist. (For this, consider borrowing a Gordis or Friis and Sellers authored text). Also, if marbles themselves (the things) carry positive associations from say, your own childhood, you will need to set that aside to follow the analogy toward disease or a potential for a less than advantageous outcome. For the "marble happy" among us, in the less common protective realm of probabilistic happenings, the analogy works more fully. Keep in mind, the book's lovely graphics are printed using varying intensities of grey and black. 4) Be forewarned that the text's confidence interval explanation and associated calculations may not be as accessible to those lacking recent mathematical or quantitative skills review. There are easier sources for reviewing this and if not covered specifically in your course or self-study, you may wish to find an alternative for reviewing or understanding this small section. 5) In some passages the references to prior sections of the text and/or to supplementary materials often enough that this reader found either the references themselves (or the need to continually cross reference), a bit distracting. All in all, quite an interesting little book! For me, more of an addition to other learning than a primary introductory text, though the authors' premise and introduction to the dynamic, ever-evolving field of epidemiology is exciting, fascinating and important, to be sure. If time and funds allow, I'd absolutely take a short course online with one of the books' authors as I suspect it would be very worthwhile to have this teaching and access to the thinking behind the novel approach. I used the book in what was essentially a self-study course built around this text. For instructors of introductory courses aimed for professional public health practice, it seems important to consider what the primary course objectives are, how assessments will be conducted and what additional resources might be provided, if course objectives do not parallel closely with this text's premise. 0 of 0 people found the following review helpful. Make teaching epidemiology easier By Maria Amelia Veras It is clear, precise, presenting concepts and giving examples of methods in epidemiology in a very nice feature. My students are giving me a goo feedback. The support material are also very good. 0 of 0 people found the following review helpful. Three Stars By Cheng Ma I rarely use this book.

Epidemiology Matters offers a new approach to understanding and identifying the causes of disease -- and with it, how to prevent disease and improve human health. Utilizing visual explanations and examples, this text provides an accessible, step-by-step introduction to the fundamentals of epidemiologic study, from design to analysis. Across fourteen chapters, Epidemiology Matters teaches the individual competencies that underlie the conduct of an epidemiologic study: identifying populations; measuring exposures and health indicators; taking a sample; estimating associations between exposures and health indicators; assessing evidence for causes working together; assessing internal and external validity of results. With its consequentialist approach -- designing epidemiologic studies that aim to inform our understanding, and therefore improve public health -- Epidemiology Matters is an introductory text for the next generation of students in medicine and public health.

"An excellent overview of the uses of epidemiological methods to investigate the causal pathway to disease. The step-by-step approach to epidemiology methods is a unique contribution. Epidemiology remains the key to successful prevention of disease." --Lewis Kuller, MD, DrPH, Professor of Epidemiology, University of Pittsburgh Graduate School of Public Health "A clear introduction to central epidemiologic concepts using a step-by-step approach. This book will be useful to students who take only one course in epidemiology, as well as to scholars who decide to pursue epidemiology in more depth." -- American Journal of Epidemiology "This is a unique addition to the ever-expanding library of introductory epidemiology books. The material is easily accessible to beginners, and the consequentialist approach breathes new life into the field. Weighted Numerical Score: 100 - 5 Stars!" --Doody's Health Sciences About the Author Katherine M. Keyes, PhD, is Assistant Professor of Epidemiology at Columbia University. Her research focuses on life course epidemiology with particular attention to psychiatric disorders, including cross-generational cohort effects on substance use, mental health, and chronic disease. She has particular expertise in the development

and application of novel epidemiological methods, and in the development of epidemiological theory to measure and elucidate the drivers of population health. Sandro Galea, MD, DrPH, is Chair of the Department of Epidemiology at Columbia University. His work focuses on the social production of health of urban populations, innovative cells-to-society approaches to population health, and advancing a consequentialist approach to epidemiology in the service of population health. He is a past president of the Society for Epidemiologic Research and an elected member of the Institute of Medicine of the National Academies of Science.