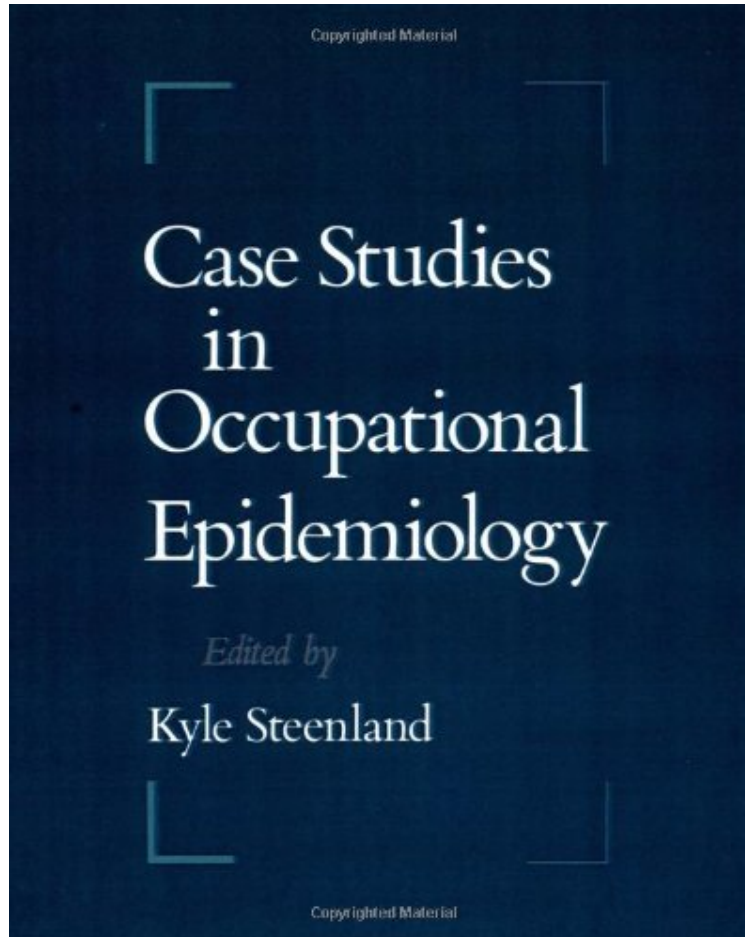


Case Studies in Occupational Epidemiology

Kyle Steenland

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This casebook is designed for use in courses on epidemiology or occupational epidemiology. The chapters are based on actual studies and are written by the principal investigators. They are divided into four parts: cohort studies, case-control and proportionate mortality studies, cross-sectional studies, and surveillance and screening studies. A brief introduction to each part describes the study design, and a statistical appendix is included so that students can easily find the tools needed to answer analytical questions in the text. Questions in each chapter deal with study design, data collection, analysis, and interpretation. Complete answers are provided at the end of each chapter. Data sets

accompany many of the chapters, and most of the analytical questions can be answered with a pocket calculator. The studies presented in this lucid, well-organized text involve a broad range of disease outcomes, including spontaneous abortion, carpal tunnel syndrome, kidney dysfunction, cytogenetic changes, ischemic heart disease, dermatitis, chronic renal disease, and several types of cancer. The exposures of interest are equally diverse, including VDT use, repetitive hand-wrist motion, heavy metals, carbon monoxide, diesel exhaust, lead, vinyl chloride, pesticides, solvents, silica, and acid mists. These outcomes and exposures cover many of the current topics of interest in occupational health.

"Allows readers to apply epidemiologic concepts previously learned to actual case studies, thereby building upon and adding to their previous knowledge. . . . recommended as a tool for use in epidemiology courses. It allows the reader to learn both epidemiology concepts as well as current issues in occupational health." --American Public Health Association Newsletter

"A first class source of examples of epidemiology at work which can be mined by teachers of the subject.... A good and well produced resource for teachers of epidemiology...." --Australasian Epidemiological Association News

"Steenland offers a fresh perspective for the teaching of occupational and general epidemiology.... The text is excellent.... I would strongly recommend this book for use in introductory and intermediate occupationally slanted epidemiology courses and for those who wish to explore some of the reasoning behind specific study designs, implementations, and interpretations." --Daniel Wartenberg, PhD, American Journal of Preventive Medicine

"Overall, the text is excellent. . . . With adequate supplementation, I would strongly recommend this book in introductory and intermediate occupationally slanted epidemiology courses and for those who wish to explore some of the reasoning behind specific study designs, implementations, and interpretations." --Daniel Wartenberg, Ph.D., American Journal of Preventive Medicine

From the Back Cover
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About the Author
Kyle Steenland is at National Institute for Occupational Safety and Health.