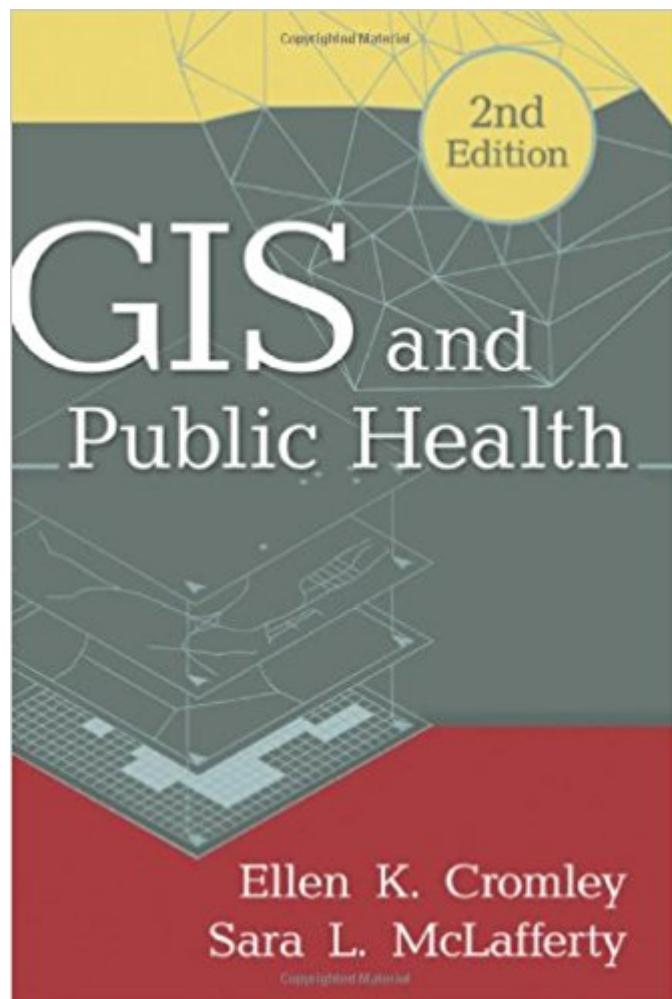


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# GIS And Public Health, 2nd Edition



## Synopsis

Authoritative and comprehensive, this is the leading text and professional resource on using geographic information systems (GIS) to analyze and address public health problems. Basic GIS concepts and tools are explained, including ways to access and manage spatial databases. The book presents state-of-the-art methods for mapping and analyzing data on population, health events, risk factors, and health services, and for incorporating geographical knowledge into planning and policy. Numerous maps, diagrams, and real-world applications are featured. The companion Web page provides lab exercises with data that can be downloaded for individual or course use.

• **New to This Edition**\*Incorporates major technological advances, such as Internet-based mapping systems and the rise of data from cell phones and other GPS-enabled devices.\*Chapter on health disparities.\*Expanded coverage of public participation GIS.\*Companion Web page has all-new content.\*Goes beyond the United States to encompass an international focus.

## Book Information

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## Customer Reviews

"Cromley and McLafferty have done it again! They've written the most comprehensive text available on GIS applications for public health. The last several years have seen rapid growth in public health applications of GIS, technological developments in mapping and imagery, and the availability of public health data, all of which are addressed in the book. Other updates in the second edition include reorganization of material, international applications, and a chapter on health disparities. The authors have outdone themselves with the clarity, completeness, and relevance of

this book. Whether you are new to the practice of public health GIS or an experienced GIS user, you will benefit from the wealth of material provided."Carol Hanchette, Department of Geography and Geosciences, University of Louisville"Cromley and McLafferty provide a thorough overview of the field. I have used the first edition as a text in my graduate-level introductory spatial methods class, and plan to use the second edition as well. I appreciate the book's extensive coverage of important information about GIS applications in public health research and practice."Robin Puett, School of Public Health, University of Maryland "A much-needed introduction to GIS for students, faculty, and professionals preparing to research or practice in public health. The second edition illustrates many new developments in the use of geospatial data, including spatial analysis methods now widely available on the Internet. It defines the terminology of GIS and shows how spatial analysis methods are used to understand and improve health. International in scope, the book covers mapping of disease rates, access to health services, environmental hazards and their health effects, diffusion of infectious diseases, community influences on health behavior, and the ecology of vector-borne diseases."Gerard Rushton, Department of Geography, University of Iowa "GIS and Public Health was already one of the most respected texts in the field, and the second edition does not disappoint. The authors have retained the strengths of the originalclear, concise, and practical introductions to GIS, geospatial data, spatial thinking, and spatial analysis in public health scienceand have added important new content. I have found this text more rewarding to use in teaching and to consult for my own work than any other single book in the field."Stephen A. Matthews, Population Research Institute, The Pennsylvania State University Cromley and McLafferty have made substantial but worthwhile revisions ultimately adding over 150 new pages of material and revising much of the original text.A substantial addition to the volume comes in the form of online support for the more practical aspects of the book. Given the applied nature of topics covered, the addition of exercises providing examples for readers to work through and try out concepts themselves is welcomed.A highly commendable book for students and practitioners alike.It performs a good overview role with plenty of references. (International Planning Studies 2013-05-16)"I can think of no better geographers than Ellen Cromley and Sara McLafferty for presenting the methodologies and research findings of GIS for health." (The Geographical Review 2011-09-22)"Comprehensive, well-structured, well-illustrated, and well-written....Instructors will find a wealth of illustrative examples of applications." (Economic Geography 2011-09-22)

Ellen K. Cromley is Assistant Clinical Professor in the Department of Community Medicine and Health Care, University of Connecticut School of Medicine, Farmington. Previously, she was Professor of Geography at the University of Connecticut, Storrs. Dr. Cromley's research is primarily concerned with geographical patterns of health and disease, health facility location, and GIS design to support public health surveillance and intervention programs. She has published articles in geography, epidemiology, public health, and health services journals. A Sara L. McLafferty is Professor of Geography at the University of Illinois at Urbana-Champaign. In her research she explores the use of spatial statistical methods and GIS for understanding health and social issues in cities, as well as gender and racial disparities in geographical access to services and employment opportunities. Dr. McLafferty has published articles in geography, epidemiology, and urban studies journals and is an Associate Editor of the journal *Health and Place*.

For the serious student wanting to learn how the topics of GIS and public health can be combined to increase understanding of a variety of health and environmental issues. Not a text for the student wanting to learn GIS - readers will need to acquire that skill elsewhere. Well written and easy to understand while exploring topics in depth.

AM A PHD STUDENT AND MY THESIS IS BASED ON USE OF SPATIAL MODELS FOR INDICATING HUMAN HEALTH RISK. THE MOMENT I RECEIVED THIS BOOK MY THESIS SHAPED UP AND NOW AM FOCUSED AND I KNOW WHAT AM DOING AND HOW MY STUDY IS GOING TO END. I NOW KNOW WHICH TYPE OF DATA TO COLLECT AND HOW TO MANIPULATE IT TOWARDS CONCLUSIONS. THANK YOU

Great addition to my office library; as a grad student, this was a necessary purchase.

Fast shipping and described accurately

Good overall introduction

Book came as described.

Pretty good book, covers all the bases

I just received my copy of this textbook in the mail and have begun reading. However, I need access to the data and exercises that come with the text. I can't seem to locate the companion Web page. Any assistance you could offer would be greatly appreciated. Thanks you so much and have a wonderful day!

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