

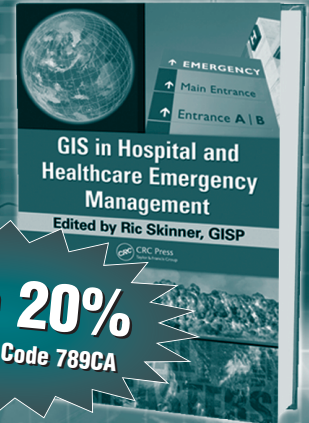
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# GIS in Hospital and Healthcare Emergency Management

Edited by **Ric Skinner, GISP**

The Stoneybrook Group, LLC, Sturbridge, Massachusetts, USA



## Authoritative Coverage of All Areas of Emergency Management Involving GIS and Related Technologies

Although many books have been published on the application of GIS in emergency management and disaster response, this is the first one to bring together a comprehensive discussion of the critical role GIS plays in hospital and healthcare emergency management and disaster response.

Illustrating a wide range of practical applications, **GIS in Hospital and Healthcare Emergency Management** explores how GIS data is being used to assess need, determine surge capacity, and improve logistics in emergency or disaster scenarios. Leading experts in the field provide authoritative coverage of all areas of emergency management involving GIS and related technologies.

Making this complex subject accessible for professionals who want to improve their preparedness and response capabilities, this complete resource provides numerous examples, case studies, and proven simulation and modeling tools to aid in the development of effective and efficient emergency response plans. It also includes a CD-ROM with a user interface that supplies access to helpful forms, exercises, color versions of the figures in the book, hundreds of valuable resources, as well as a composite bibliography of all references included in the text.

In today's technology driven environment, failure to plan is planning to fail. This accessible reference provides emergency planners, operations managers, and hospital and health administrators, with the understanding and the tools needed to create emergency management and disaster preparedness systems that will help hospitals save lives, time, and money when the next emergency strikes.

*“If you want a successful system of emergency management at the local, state, tribal, or federal level, you must utilize Geographic Information Systems (GIS)—period! ... Ric Skinner has pulled together leaders and scientists from an incredible cross-section of those who are truly involved in the preparations for, and responses to, emergencies. These authors—leaders in their fields—have managed to explain a comprehensive range and depth of information that will prove to be critical to an organization that wants to ensure success in their planning and response. My fervent hope is that those involved in emergency planning and operations will derive invaluable benefits and lessons from this book.”*

— R. Tom Sizemore III, MD, Principal Deputy Director,  
Office of Preparedness & Emergency Operations,  
U. S. Department of Health & Human Services

## FEATURES

- Supplies case studies that examine the application of GIS modeling to real-world scenarios and highlight real-world solutions
- Features contributions from leading experts in the application of GIS technologies for emergency management in medical services
- Provides simulation and modeling tools for crisis response plans
- Explains how to effectively apply GIS data to assess need, determine surge capacity, and improve logistics in an emergency or disaster scenario
- Includes a CD with a “toolbox” of hundreds of helpful resources, including color images, useful forms, and exercises

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