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Design for Health  
Neighbors and Neighborhoods  
Health Design Thinking  
Making Healthy Places  
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Community Design Partnerships Resilience for All Designing Healthcare That Works Design That Cares Making Community Design Work Retrofitting for Flood Resilience Healthy Environments, Healing Spaces Design for Mental and Behavioral Health Sustainable Communities Design Handbook

## **Mental Health and Illness in the City**

### **Communities in Action**

Community Character provides a design-oriented system for planning and zoning communities but accounts for how people who participate in a community live, work, and shop there. The relationships that Lane Kendig defines here reflect the complexity of the interaction of the built environment with its social and economic uses, taking into account the diverse desires of municipalities and citizens. Among the many classifications for a community's "character" are its relationship to other communities, its size and the resulting social and economic characteristics. According to Kendig, most comprehensive plans and zoning regulations are based entirely on density and land use, neither of which effectively or consistently measures character or quality of development. As Kendig shows, there is a wide range of measures that define character and these vary with the type of character

a community desires to create. Taking a much more comprehensive view, this book offers “community character” as a real-world framework for planning for communities of all kinds and sizes. A companion book, *A Practical Guide to Planning with Community Character*, provides a detailed explanation of applying community character in a comprehensive plan, with chapters on designing urban, sub-urban, and rural character types, using character in comprehensive plans, and strategies for addressing characteristic challenges of planning and zoning in the 21st century.

## **Design for Health**

A step-by-step guide to more synthetic, holistic, and integrated urban design strategies, *Design Charrettes for Sustainable Communities* is a practical manual to accomplish complex community design decisions and create more green, clean, and equitable communities. The design charrette has become an increasingly popular way to engage the public and stakeholders in public planning, and *Design Charrettes for Sustainable Communities* shows how citizens and officials can use this tool to change the way they make decisions, especially when addressing issues of the sustainable community. Designed to build consensus and cooperation, a successful charrette produces a design that expresses the values and vision of the community. Patrick Condon outlines the key features of the charrette, an inclusive decision-making process that brings together citizens,

designers, public officials, and developers in several days of collaborative workshops. Drawing on years of experience designing sustainable urban environments and bringing together communities for charrettes, Condon's manual provides step-by-step instructions for making this process work to everyone's benefit. He translates emerging sustainable development concepts and problem-solving theory into concrete principles in order to explain what a charrette is, how to organize one, and how to make it work to produce sustainable urban design results.

## **Neighbors and Neighborhoods**

The only how-to guide to community design written from the design professional's perspective. In this groundbreaking guide to the increasingly important discipline of community design, a leading international expert draws upon his own experiences and those of colleagues around the world to provide proven tools and techniques for bringing community members into the design process successfully and productively. The first and only how-to guide on community design developed for design professionals, *Community Participation Methods in Design and Planning* features:

- \* Fifteen case studies chronicling community design projects around the world
- \* Coverage of educational facilities, housing, and urban and rural environments
- \* Design Games-a proven, culture-neutral approach to educating participants in their design options and the consequences of their choices
- \* Proven

techniques for fostering community participation in the design process \*  
Checklists, worksheets, questionnaires, and other valuable tools Community Participation Methods in Design and Planning is an indispensable working resource for urban designers and planners, architects, and landscape architects. It is also an excellent resource for students of those disciplines.

## **Health Design Thinking**

Action research is a term used to describe a family of related approaches that integrate theory and action with a goal of addressing important organizational, community, and social issues together with those who experience them. It focuses on the creation of areas for collaborative learning and the design, enactment and evaluation of liberating actions through combining action and research, reflection and action in an ongoing cycle of cogenerative knowledge. While the roots of these methodologies go back to the 1940s, there has been a dramatic increase in research output and adoption in university curricula over the past decade. This is now an area of high popularity among academics and researchers from various fields—especially business and organization studies, education, health care, nursing, development studies, and social and community work. The SAGE Encyclopedia of Action Research brings together the many strands of action research and addresses the interplay between these disciplines by presenting a state-of-the-art overview and comprehensive breakdown of the key tenets and

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methods of action research as well as detailing the work of key theorists and contributors to action research. To watch a video of editor David Coghlan discuss the importance of this major reference work as well as the implications, challenges and successes of editing The SAGE Encyclopedia of Action Research, click here: <http://youtu.be/P6YqCdZCZCs>

### **Making Healthy Places**

Designing Healthcare That Works: A Sociotechnical Approach takes up the pragmatic, messy problems of designing and implementing sociotechnical solutions which integrate organizational and technical systems for the benefit of human health. The book helps practitioners apply principles of sociotechnical design in healthcare and consider the adoption of new theories of change. As practitioners need new processes and tools to create a more systematic alignment between technical mechanisms and social structures in healthcare, the book helps readers recognize the requirements of this alignment. The systematic understanding developed within the book's case studies includes new ways of designing and adopting sociotechnical systems in healthcare. For example, helping practitioners examine the role of exogenous factors, like CMS Systems in the U.S. Or, more globally, helping practitioners consider systems external to the boundaries drawn around a particular healthcare IT system is one key to understand the design challenge. Written by scholars in the realm of sociotechnical

systems research, the book is a valuable source for medical informatics professionals, software designers and any healthcare providers who are interested in making changes in the design of the systems. Encompasses case studies focusing on specific projects and covering an entire lifecycle of sociotechnical design in healthcare Provides an in-depth view from established scholars in the realm of sociotechnical systems research and related domains Brings a systematic understanding that includes ways of designing and adopting sociotechnical systems in healthcare

## **Site Planning and Community Design for Great Neighborhoods**

How does the design of a neighborhood affect the people who live there? In this thoughtful, engaging book, the author explains how a neighborhood's design lays the groundwork for the social relationships that make it a community. Blending social science with personal interviews, the author shares the lessons of planned communities from historic Riverside, Illinois, to archetypal Levittown, New York, and Disney's Celebration, Florida. Through these inspirational stories, readers will discover the characteristics of neighborhoods that promote the attitudes and behaviors of a healthy community. This volume is an eye-opener for everyone who's wondered what makes their local neighborhoods tick. It demystifies the way planners, architects, developers, organizers, and citizens come together in crafting a community's physical elements, policies, programs, and processes. Readers will

come away with a new understanding of their roles in creating the communities they want.

## **Design for Health**

PROSE Award Finalist 2019 Association of American Publishers Award for Professional and Scholarly Excellence As a follow up to his widely acclaimed Sustainable Urbanism, this new book from author Douglas Farr embraces the idea that the humanitarian, population, and climate crises are three facets of one interrelated human existential challenge, one with impossibly short deadlines. The vision of Sustainable Nation is to accelerate the pace of progress of human civilization to create an equitable and sustainable world. The core strategy of Sustainable Nation is the perfection of the design and governance of all neighborhoods to make them unique exemplars of community and sustainability. The tools to achieve this vision are more than 70 patterns for rebellious change written by industry leaders of thought and practice. Each pattern represents an aspirational, future-oriented ideal for a key aspect of a neighborhood. At once an urgent call to action and a guidebook for change, Sustainable Nation is an essential resource for urban designers, planners, and architects.

## **Community by Design**

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Community design has grown in importance in the public policy agenda over the past decade. This book focuses on the author's experience and work in Minnesota where a design team of architects, planners, and economic and community development practitioners provided planning and design assistance to local communities. The book explores the advantages of a systems approach to community design and uses the work of the Minnesota team to consider the issues involved in the implementation of successful community design.

### **Departments of Labor, Health and Human Services, Education, and Related Agencies Appropriations for 2011, Part 2B, 111-2 Hearings**

Approaches to Water Sensitive Urban Design: Potential, Design, Ecological Health, Economics, Policies and Community Perceptions covers all aspects on the implementation of sustainable storm water systems for urban and suburban areas whether they are labeled as WSUD, Low Impact Development (LID), Green Infrastructure (GI), Sustainable Urban Drainage Systems (SUDS) or the Sponge City Concept. These systems and approaches are becoming an integral part of developing water sensitive cities as they are considered very capable solutions in addressing issues relating to urbanization, climate change and heat island impacts in dealing with storm water issues. The book is based on research conducted in

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Australia and around the world, bringing in perspectives in an ecosystems approach, a water quality approach, and a sewer based approach to stormwater, all of which are uniquely covered in this single resource. Presents a holistic examination of the current knowledge on WSUD and storm water, including water quality, hydrology, social impacts, economic impacts, ecosystem health, and implementation guidelines Includes additional global approaches to WSUD, including SUDS, LID, GI and the Sponge City Concept Covers the different perspectives from Australia (ecosystem based), the USA (water quality based) and Europe (sewer based) Addresses storm water management during the civil construction stage when much of the ecological damage can be done

### **Sustainable Nation**

Design for Health: Applications of Human Factors delves into critical and emergent issues in healthcare and patient safety and how the field of human factors and ergonomics play a role in this domain. The book uses the Design for X (DfX) methodology to discuss a wide range of contexts, technologies, and population dependent criteria (X's) that must be considered in the design of a safe and usable healthcare ecosystem. Each chapter discusses a specific topic (e.g., mHealth, medical devices, emergency response, global health, etc.), reviews the concept, and presents a case study that demonstrates how human factors techniques and principles are utilized for the design, evaluation or improvements to specific tools,

devices, and technologies (Section 1), healthcare systems and environments (Section 2), and applications to special populations (Section 3). The book represents an essential resource for researchers in academia as well as practitioners in medical device industries, consumer IT, and hospital settings. It covers a range of topics from medication reconciliation to self-care to the artificial heart. Uses the Design for X (DfX) methodology A case study approach provides practical examples for operationalization of key human factors principles and guidelines Provides specific design guidelines for a wide range of topics including resilience, stress and fatigue management, and emerging technologies Examines special populations, such as the elderly and the underserved Brings a multidisciplinary, multi-industry approach to a wide range of healthcare human factors issues

## **Designing Healthy Communities**

An innovative look at design solutions for building lifelong neighborhoods Livable Communities for Aging Populations provides architects and designers with critical guidance on urban planning and building design that allows people to age in their own homes and communities. The focus is on lifelong neighborhoods, where healthcare and accessibility needs of residents can be met throughout their entire life cycle. Written by M. Scott Ball, a Duany Plater-Zyberk architect with extensive expertise in designing for an aging society, this important work explores the full

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range of factors involved in designing for an aging population—from social, economic, and public health policies to land use, business models, and built form. Ball examines in detail a number of case studies of communities that have implemented lifelong solutions, discussing how to apply these best practices to communities large and small, new and existing, urban and rural. Other topics include: How healthcare and disability can be integrated into an urban environment as a lifelong function The need for partnership between healthcare providers, community support services, and real-estate developers How to handle project financing and take advantage of lessons learned in the senior housing industry The role of transportation, access, connectivity, and building diversity in the success of lifelong neighborhoods Architects, urban planners, urban designers, and developers will find *Livable Communities for Aging Populations* both instructive and inspiring. The book also includes a wealth of pertinent information for public health officials working on policy issues for aging populations.

## **Community Design**

A survey of community design centers highlighting ten national programs, such as the Rural Studio and Studio 804 at Kansas State. Includes recommendations for strengthening these initiatives. The work demonstrates that exemplary design is a significant component of effective community development. Since the late 1990s, the National Endowment for the Arts, under the direction of Mark Robbins, has

been promoting design excellence through an ambitious series of symposia, best-case design studies, and prototype projects. The results of these programs are now documented in a new series of publications, each focusing on design in the public realm and the potential for innovative architecture, landscape architecture, and planning.

## **Research on Women's Issues in Transportation, Report of a Conference**

Studies confirm that the physical environment influences health outcomes, emotional state, preference, satisfaction and orientation, but very little research has focused on mental and behavioural health settings. This book summarizes design principles and design research for individuals who are intending to design new mental and behavioural health facilities and those wishing to evaluate the quality of their existing facilities. The authors discuss mental and behavioural health systems, design guidelines, design research and existing standards, and provide examples of best practice. As behavioural and mental health populations vary in their needs, the primary focus is limited to environments that support acute care, outpatient and emergency care, residential care, veterans, pediatric patients, and the treatment of chemical dependency.

## **Health and Community Design**

Health and Community Design is a comprehensive examination of how the built environment encourages or discourages physical activity, drawing together insights from a range of research on the relationships between urban form and public health. It provides important information about the factors that influence decisions about physical activity and modes of travel, and about how land use patterns can be changed to help overcome barriers to physical activity. Chapters examine:

- the historical relationship between health and urban form in the United States
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- the divergent needs and requirements of different groups of people and the role of those needs in setting policy
- how different settings make it easier or more difficult to incorporate walking and bicycling into everyday activities

A concluding chapter reviews the arguments presented and sketches a research agenda for the future.

## **Community Health Education and Promotion**

'Urban Sprawl and Public Health' offers a survey of the impact that the built environment can have on the health of the people who inhabit our cities. The authors go on to suggest ways in which the design of cities could be improved &

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have a positive impact on the well-being of their citizens.

## **Design Charrettes for Sustainable Communities**

The Village Homes neighborhood in Davis, California is one of the few long-standing examples of sustainable community design. Mark Francis has been studying Village Homes for more than two decades and brings together existing research and writing on the community, studies about the children of Village Homes he conducted throughout the 1980s, and interviews with many parties involved with the project including designers, residents, gardeners, and maintenance people. Mark Francis takes a critical look at Village Homes, addressing its failures as well as its successes, and examines the question of why, despite its success, this development has not been replicated.

## **Design for Health**

Create attractive neighborhoods by taking advantage of each site's most desirable qualities. Here you'll find solutions for challenges from infill sites to phased community development. Includes over 20 housing choices for a variety of land forms and regional styles.

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## Village Homes

Designing Healthy Communities, the companion book to the acclaimed public television documentary, highlights how we design the built environment and its potential for addressing and preventing many of the nation's devastating childhood and adult health concerns. Dr. Richard Jackson looks at the root causes of our malaise and highlights healthy community designs achieved by planners, designers, and community leaders working together. Ultimately, Dr. Jackson encourages all of us to make the kinds of positive changes highlighted in this book. 2012 Nautilus Silver Award Winning Title in category of "Social Change" "In this book Dr. Jackson inhabits the frontier between public health and urban planning, offering us hopeful examples of innovative transformation, and ends with a prescription for individual action. This book is a must read for anyone who cares about how we shape the communities and the world that shapes us."—Will Rogers, president and CEO, The Trust for Public Land "While debates continue over how to design cities to promote public health, this book highlights the profound health challenges that face urban residents and the ways in which certain aspects of the built environment are implicated in their etiology. Jackson then offers up a set of compelling cases showing how local activists are working to fight obesity, limit pollution exposure, reduce auto-dependence, rebuild economies, and promote community and sustainability. Every city planner and urban designer should read these cases and use them to inform their everyday practice." —Jennifer Wolch,

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dean, College of Environmental Design, William W. Wurster Professor, City and Regional Planning, UC Berkeley "Dr. Jackson has written a thoughtful text that illustrates how and why building healthy communities is the right prescription for America." —Georges C. Benjamin, MD, executive director, American Public Health Association Publisher Companion Web site: [www.josseybass.com/go/jackson](http://www.josseybass.com/go/jackson) Additional media and content: <http://dhc.mediapolicycenter.org/>

## **Approaches to Water Sensitive Urban Design**

## **Health Communication Message Design**

Applying the principles of human-centered design to real-world health care challenges, from drug packaging to early detection of breast cancer. This book makes a case for applying the principles of design thinking to real-world health care challenges. As health care systems around the globe struggle to expand access, improve outcomes, and control costs, Health Design Thinking offers a human-centered approach for designing health care products and services, with examples and case studies that range from drug packaging and exam rooms to internet-connected devices for early detection of breast cancer. Written by leaders in the field—Bon Ku, a physician and founder of the innovative Health Design Lab

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at Sidney Kimmel Medical College, and Ellen Lupton, an award-winning graphic designer and curator at Cooper Hewitt Smithsonian Design Museum—the book outlines the fundamentals of design thinking and highlights important products, prototypes, and research in health design. Health design thinking uses play and experimentation rather than a rigid methodology. It draws on interviews, observations, diagrams, storytelling, physical models, and role playing; design teams focus not on technology but on problems faced by patients and clinicians. The book's diverse case studies show health design thinking in action. These include the development of PillPack, which frames prescription drug delivery in terms of user experience design; a credit card-size device that allows patients to generate their own electrocardiograms; and improved emergency room signage. Drawings, photographs, storyboards, and other visualizations accompany the case studies. Copublished with Cooper Hewitt, Smithsonian Design Museum

### **Community Participation Methods in Design and Planning**

Design for Health: Sustainable Approaches to Therapeutic Architecture Guest-Edited by Terri Peters This issue of AD seeks out innovative and varied sustainable architectural responses to designing for health, such as: integrating sensory gardens and landscapes into the care environment; specifying local materials and passive technologies; and reinvigorating aging postwar facilities. Contributors include: Anne-Marie Adams, Sean Ahlquist, Giuseppe Boscherini, Robin Guenther,

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Charles Jencks, Richard Mazuch, Stephen Verderber, Featured architects: 100% Interior, Arup, C.F. Møller, Lyons, MASS Design Group, Montgomery Sisam Architects, Penoyre & Prasad

## **The SAGE Encyclopedia of Action Research**

Architecture and Health recognizes the built environment and health as inextricable encouraging a new mind-set for the profession. Over 40 international award-winning projects are included to explore innovative design principles linked to health outcomes. The book is organized into three interdependent health domains—individual, community, and global—in which each case study proposes context-specific architectural responses. Case studies include children’s hospitals, rehabilitation facilities, elderly housing, mental health facilities, cancer support centers, clinics, healthy communities, healthcare campuses, wellness centers, healing gardens, commercial offices, infrastructure for developing countries, sustainable design, and more. Representing the United States, Africa, Asia, Europe, and Australia, each author brings a new perspective to health and its related architectural response. This book brings a timely focus to a subject matter commonly constricted by normative building practices and transforms the dialogue into one of creativity and innovation. With over 200 color images, this book is an essential read for architects, designers, and students to explore and analyze designed environments that promote health and well-being.

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## Health and Community Design

In 1883, Frederick Law Olmsted Sr. moved from New York City to Brookline, Massachusetts, a Boston suburb that anointed itself the "richest town in the world." For the next half century, until his son Frederick Law Olmsted Jr. relocated to California in 1936, the Olmsted firm received over 150 local commissions, serving as the dominant force in the planned development of this community. From Fairsted, the Olmsteds' Brookline home and office, the firm collaborated with an impressive galaxy of suburban neighbors who were among the regional and national leaders in the fields of architecture and horticulture, among them Henry Hobson Richardson and Charles Sprague Sargent. Through plans for boulevards and parkways, residential subdivisions, institutional commissions, and private gardens, the Olmsted firm carefully guided the development of the town, as they designed cities and suburbs across America. While Olmsted Sr. used landscape architecture as his vehicle for development, his son and namesake saw Brookline as grounds for experiment in the new profession of city and regional planning, a field that he was helping to define and lead. Little has been published on the importance of Brookline as a laboratory and model for the Olmsted firm's work. This beautifully illustrated book provides important new perspective on the history of planning in the United States and illuminates an aspect of the Olmsted office that has not been well understood. Published in association with Library of American Landscape History: <http://lalh.org/>

## **Community Design Primer**

The environment that we construct affects both humans and our natural world in myriad ways. There is a pressing need to create healthy places and to reduce the health threats inherent in places already built. However, there has been little awareness of the adverse effects of what we have constructed-or the positive benefits of well designed built environments. This book provides a far-reaching follow-up to the pathbreaking *Urban Sprawl and Public Health*, published in 2004. That book sparked a range of inquiries into the connections between constructed environments, particularly cities and suburbs, and the health of residents, especially humans. Since then, numerous studies have extended and refined the book's research and reporting. *Making Healthy Places* offers a fresh and comprehensive look at this vital subject today. There is no other book with the depth, breadth, vision, and accessibility that this book offers. In addition to being of particular interest to undergraduate and graduate students in public health and urban planning, it will be essential reading for public health officials, planners, architects, landscape architects, environmentalists, and all those who care about the design of their communities. Like a well-trained doctor, *Making Healthy Places* presents a diagnosis of--and offers treatment for--problems related to the built environment. Drawing on the latest scientific evidence, with contributions from experts in a range of fields, it imparts a wealth of practical information, with an emphasis on demonstrated and promising solutions to commonly occurring

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## **Architecture and Health**

### **Livable Communities for Aging Populations**

This collection of essays by leading scholars and practitioners addresses a timely and essential question: How can we design, plan, and sustain built environments that will foster health and healing? With a salutogenic (health-promoting) focus, *Healthy Environments, Healing Spaces* addresses a range of contemporary issues, including health equity, biophilic cities, healthcare facility design, environmental health, aging in place, and food systems planning. Contributors: Ellen Bassett ● Timothy Beatley ● Emily Chmielewski ● Jason Corburn ● Tanya Denckla Cobb ● Tye Farrow ● Ann Forsyth ● Howard Frumkin ● Judith H. Heerwagen ● J. David Hoglund ● Carla Jones ● Andrew Mondschein ● Christina Mullen ● Reuben Rainey ● Samina Raja ● Jennifer Whittaker

### **Landscape and Urban Design for Health and Well-Being**

Written for students and health professionals, this guide to health care education

program development applies the Nursing Process (or problem-solving approach) to the project. It outlines each step in the process, including planning, design, implementation, promotion, and evaluation. Chapters cover personnel management, community assessment and mobilization, cultural competency, material effectiveness, publicity, and diversity. The education of populations with shared risks, exposures, and behaviors is emphasized. Annotation copyrighted by Book News Inc., Portland, OR.

## **Community Character**

### **Life-Styled: Health and Places**

Since the earliest settlements, people have deliberated the issues that affect their future together. Making Community Design Work shows how planners can guide the process toward effective decision making and beneficial community design. This well-crafted book distills decades of community design experience into a sound conceptual framework of value to practicing planners as well as planning students. Umut Toker covers a broad range of planning scales and introduces field-tested tools for participatory decision making at regional, city, community, and site-specific levels. To succeed, any planning project must address both the physical

space and its users. From setting goals to evaluating results, Making Community Design Work helps planners navigate the process of creating environments that meet the needs of the people they serve.

## **Urban Sprawl and Public Health**

Health and Community Design is a comprehensive examination of how the built environment encourages or discourages physical activity, drawing together insights from a range of research on the relationships between urban form and public health. It provides important information about the factors that influence decisions about physical activity and modes of travel, and about how land use patterns can be changed to help overcome barriers to physical activity. Chapters examine:

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A concluding chapter reviews the arguments presented and sketches a research agenda for the future.

## **University-Community Design Partnerships**

The built environment and public health have a close history of association: from the earliest considerations by Hippocrates of the role of place for human health to the influence of the hygiene movement on architecture, landscape and urban planning. Today global developments such as chronic (or lifestyle) diseases, aging populations and a heavily burdened environment have lent a new urgency to the question of the influence of architecture and urban planning on lifestyles and health. *Life-Styled*, created as part of the Health and Places Initiative at Harvard University, shows by means of detailed graphics how public health issues can be incorporated into the planning of the built environment and how lifestyles can be shaped accordingly. Taking greater account of health aspects when designing (public) space represents not simply an obligation, but also a means to rethink the disciplines of architecture and design.

## **Resilience for All**

In the United States, people of color are disproportionately more likely to live in environments with poor air quality, in close proximity to toxic waste, and in locations more vulnerable to climate change and extreme weather events. In many vulnerable neighborhoods, structural racism and classism prevent residents from having a seat at the table when decisions are made about their community. In an effort to overcome power imbalances and ensure local knowledge informs decision-making, a new approach to community engagement is essential. In *Resilience for*

All, Barbara Brown Wilson looks at less conventional, but often more effective methods to make communities more resilient. She takes an in-depth look at what equitable, positive change through community-driven design looks like in four communities—East Biloxi, Mississippi; the Lower East Side of Manhattan; the Denby neighborhood in Detroit, Michigan; and the Cully neighborhood in Portland, Oregon. These vulnerable communities have prevailed in spite of serious urban stressors such as climate change, gentrification, and disinvestment. Wilson looks at how the lessons in the case studies and other examples might more broadly inform future practice. She shows how community-driven design projects in underserved neighborhoods can not only change the built world, but also provide opportunities for residents to build their own capacities.

## **Designing Healthcare That Works**

In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of

structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. Communities in Action: Pathways to Health Equity seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

## **Design That Cares**

The objective of Sustainable Communities Design Handbook is to ensure a better quality of life for everyone, both now and for generations to come. This means creating a better and safer environment internationally through the sustainable use of natural resources, encouraging sustainable development which supports a strong economy, and ensuring a high quality environment that can be enjoyed by all. Sustainable Development Partnerships brings together in one reference today's most cutting edge technologies and methods for creating sustainable communities. With this book, Environmental Engineers, Civil Engineers, Architects, Mechanical Engineers, and Energy Engineers find a common approach to building environmental friendly communities which are energy efficient. The five part treatment starts with a clear and rigorous exposition of sustainable development in

practice, followed by self-contained chapters concerning applications. Methods for the sustainable use of natural resources in built communities Clearly explains the most cutting edge sustainable technologies Provides a common approach to building sustainable communities Coverage of sustainable practices from architecture to construction

## **Making Community Design Work**

One of the most complex global challenges is improving wellbeing and developing strategies for promoting health or preventing 'illbeing' of the population. The role of designers in indirectly supporting the promotion of healthy lifestyles or in their contribution to illbeing has emerged. This means designers now need to consider, both morally and ethically, how they can ensure that they 'do no harm' and that they might deliberately decide to promote healthy lifestyles and therefore prevent ill health. Design for Health illustrates the history of the development of design for health, the various design disciplines and domains to which design has contributed. Through 26 case studies presented in this book, the authors reveal a plethora of design research methodologies and research methods employed in design for health. The editors also present, following a thematic analysis of the book chapters, seven challenges and seven areas of opportunity that designers are called upon to address within the context of healthcare. Furthermore, five emergent trends in design in healthcare are presented and discussed. This book

will be of interest to students of design as well as designers and those working to improve the quality of healthcare.

## **Retrofitting for Flood Resilience**

In this book Gayle Souter-Brown explores the social, economic and environmental benefits of developing greenspace for health and well-being. She examines the evidence behind the positive effects of designed landscapes, and explains effective methods and approaches which can be put into practice by those seeking to reduce costs and add value through outdoor spaces. Using principles from sensory, therapeutic and healing gardens, Souter-Brown focuses on landscape's ability to affect health, education and economic outcomes. Already valued within healthcare environments, these design guidelines for public and private spaces extend the benefits throughout our towns and cities. Covering design for school grounds to public parks, public housing to gardens for stressed executives, this richly illustrated text builds the case to justify inclusion of a designed outdoor area in project budgets. With case studies from the US, UK, Africa, Asia, Australasia and Europe, it is an international, inspirational and valuable tool for those interested in landscapes that provide real benefits to their users.

## **Healthy Environments, Healing Spaces**

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This book educates and introduce readers to the ways in which we can adapt to the threat of flooding throughout the built and natural environment. It offers advice on how to better understand the nature of flood risk, whilst highlighting the key approaches and principles necessary for developing community and property-level flood resilience. As a comprehensive and practical manual, this book includes richly illustrated diagrams on a variety of concepts and strategies to use when designing for flood resilience. It is vital resource for anyone looking to adapt to the threat of flood risk. Highly practical handbook for architects, students, engineers, urban planners and other built environment professionals Richly illustrated with practical examples and case studies Draws on research with the Cabinet Office, Environment Agency & Local Community as well as input from academic and industry experts, homeowners and residents of communities at risk of flooding.

### **Design for Mental and Behavioral Health**

Design That Cares: Planning Health Facilities for Patients and Visitors, 3rd Edition is the award-winning, essential textbook and guide for understanding and achieving customer-focused, evidence-based health care design excellence. This updated third edition includes new information about how all aspects of health facility design - site planning, architecture, interiors, product design, graphic design, and others - can meet the needs and reflect the preferences of customers: patients, family and visitors, as well as staff. The book takes readers on a journey through a

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typical health facility and discusses, in detail, at each stop along the way, how design can demonstrate care both for and about patients and visitors. Design that Cares provides the definitive roadmap to improving customer experience by design.

## **Sustainable Communities Design Handbook**

The desire to impact positive changes in individuals and society motivates many students, practitioners, and researchers of health communication. This one of a kind text offers guidance on how to design effective health communication messages. This book shows how to build theory-based messages and how to address the diverse characteristics of audiences. While integrating perspectives from public health and social marketing, this book clearly explains core health communication principles and processes for designing effective messages for health communication interventions and campaigns.

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