



Transition Guide

Population Health, Epidemiology, and Public Health: Management Skills for Creating Health Communities, Second Edition

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This significantly revised edition presents the principles and tools for monitoring, assessing, and managing the health of populations in challenging times. In addition to extensive changes throughout, five new chapters focus on the social determinants of health, disease prevention strategies, the value of a systems-thinking methodology, and the application of population health principles during the COVID-19 pandemic.

New Material and Changes in the Second Edition

Chapter	Chapter Title	New Material
1	Public Health: Prevention, Promotion, Protection	<ul style="list-style-type: none"> • Expanded learning objectives • New discussion prompts: de Beaumont's Foundation, Why public health matters; Public health and Politics • Updated public health initiatives, including an introduction to Healthy People 2030 and updated Essential Public Health Services • Expanded resource list for professional public health associations • Introduction to the 2019 novel coronavirus outbreak

		<ul style="list-style-type: none"> Revised and new Narrative, Exhibits, PowerPoint slides, Test Bank, and Instructor Manual
2	Social Determinants of Health: Where You Live Impacts Your Health (Part 1) – NEW CHAPTER	<ul style="list-style-type: none"> New Chapter focused on the social determinants of health (SDoH) with an emphasis on how where you live impacts your health Introduction to the Healthy People SDoH Framework; upstream, midstream, and downstream interventions Comparison of equality and equity and relationship to social justice Discussion prompts and class exercises to examine course objectives Inclusion of a case study to practice course concepts New Exhibits, PowerPoint slides, Test Bank, and Instructor Manual
3	Social Determinants of Health: Keys to Improving Community Health (Part 2) – NEW CHAPTER	<ul style="list-style-type: none"> New Chapter continuing the discussion from Chapter 2 on the SDoH and approaches to improving community health. Collective efficacy, social cohesion, and social capital constructs are introduced. Robert Wood Johnson Foundation Culture of Health and Health in All Policies are presented as community health improvement approaches Socio-Ecological Model of Health, Field Model of Health and Wellbeing, and the Social Gradient of Health are presented as intervention points Comparison of population health outcomes versus healthcare outcomes Discussion prompts and class exercises to examine course objectives Inclusion of a case study to practice course concepts New Exhibits, PowerPoint slides, Test Bank, and Instructor Manual
4	Prevention, Challenges, and Population Health – NEW CHAPTER	<ul style="list-style-type: none"> New Chapter examining prevention strategies, current public health challenges, and the role for population health Brief introduction to the ACA's Prevention and Public Health Fund

		<ul style="list-style-type: none"> • An overview, population impact, and prevention approach are presented for three public health challenges (i.e., ACES, EVALI, and the Opioid Epidemic) • Discussion prompts and class exercises to examine course objectives • Four population health case reports included to analyze the relationship between prevention and population health management • New Exhibits, PowerPoint slides, Test Bank, and Instructor Manual
5	Role for Data in Population Health	<ul style="list-style-type: none"> • Updated data sources and examples • Mortality data and syndromic surveillance for COVID-19 • Data visualization examples (e.g., PolicyMap) • New exercises utilizing data sources • Revised and new Narrative, Exhibits, PowerPoint slides, Test Bank, and Instructor Manual
6	Epidemiology: The Basic Science of Public Health	<ul style="list-style-type: none"> • Expanded learning objectives • COVID-19 versus Influenza presentation • COVID-19 and contact tracing discussion • Sample quarantine order to control novel coronavirus for discussion • Introduction to COVID-19 NET • New exercise and discussion prompts • Revised and new Narrative, Exhibits, Exercises, PowerPoint slides, Test Bank, and Instructor Manual
7	Descriptive Epidemiology: The Significance of Person, Place, and Time	<ul style="list-style-type: none"> • Descriptive epidemiology of the original AIDS and COVID-19 cases • Updated examples of person, place, and time indicators • New exercise and discussion prompts • Revised and new Narrative, Exhibits, Exercises, PowerPoint slides, Test Bank, and Instructor Manual
8	Epidemiologic Measures of Disease Frequency and Disease Burden	<ul style="list-style-type: none"> • Revised Chapter title • New exhibits to demonstrate measures of disease frequency and disease burden • New exercises and discussion prompts, including COVID-19 as a “real world” example

		<ul style="list-style-type: none"> Revised and new Narrative, Exhibits, Exercises, PowerPoint slides, Test Bank, and Instructor Manual
9	Analytic Epidemiology: Steps Towards Establishing Association and Causation between Exposure and Disease	<ul style="list-style-type: none"> Expanded learning objectives Ethical Conduct in Research section that uses the Tuskegee Syphilis Study as an example of lessons learned New exercises for determining and interpreting the measures of association between exposure and disease New examples for study designs Expanded discussion on confounders and Hill's Criteria for Causation Revised and new Narrative, Exercises, PowerPoint slides, Test Bank, and Instructor Manual
10	Infectious Disease Epidemiology	<ul style="list-style-type: none"> Expanded learning objectives Emphasis on the COVID-19 pandemic Inclusion of new case studies for Salmonella, Zika, Measles, and COVID-19 New discussion prompt and examples Revised and new Narrative, Exhibits, PowerPoint slides, Test Bank, and Instructor Manual
11	Community Health Assessment: A Public Health Duty	<ul style="list-style-type: none"> Expanded learning objectives New narrative on how the original and revised Essential Public Health Services can address the Social Determinants of Health New narrative on the use of Social Needs Screening and ACES Revised CHA and CHIP tools, frameworks, and examples Revised narrative on the Community Benefit Standard and the Public Health Accreditation Board Revised and new Narrative, Exhibits, Exercises, PowerPoint slides, Test Bank, and Instructor Manual
12	Population Health: Culture of Health Improvement Approaches	<ul style="list-style-type: none"> Expanded learning objectives This Chapter was revised to include content from <i>Chapter 10: Managerial Epidemiology: A Primer</i> and <i>Chapter 11: Population Health Improvement</i> from the first edition New narrative on population health actions

		<ul style="list-style-type: none"> • Several population health approaches are highlighted (e.g., public health and healthcare system collaborations, CHNA, Population Health Drivers, HiAP, and QI) • Revised narrative about role for managerial epidemiology and the population healthcare management model • Revised and new Narrative, Exhibits, and Exercises, PowerPoint slides, Test Bank, and Instructor Manual
13	Principles of Population Health Management	<ul style="list-style-type: none"> • Expanded learning objectives • This Chapter was revised to include content from <i>Chapter 12: Principles of Population Health Management</i> and <i>Chapter 13: A Data-Driven Approach</i> from the first edition • New narrative about the drivers that forged the movement towards population health management • Comparison and contrast among the terms population health management, population medicine, population health, and public health • New narrative regarding the role of risk stratification and select models • Expanded narrative about measures and approaches used in population health management • Revised and new Narrative, Exhibits, and Exercises, PowerPoint slides, Test Bank, and Instructor Manual
14	Population Health Improvement: A Systems Approach – NEW CHAPTER	<ul style="list-style-type: none"> • New Chapter focused on the value of a systems thinking approach to improving population health • Discussion on the momentum behind a PHM approach, as well as the challenges encountered • Inclusion of 4 population health cases for discussion • Introduction to systems thinking, including its purpose, approach, and value • Brief introduction to systems thinking tools: causal loop diagram, A3 framework, and root cause analysis • New Exhibits, Exercises, PowerPoint slides, Test Bank, and Instructor Manual

15	Keeping Communities Healthy During the COVID-19 Pandemic – NEW CHAPTER	<ul style="list-style-type: none"> • New Chapter focused on the COVID-19 pandemic and the application of public health, epidemiology, and population health to this new health threat • Inclusion of original CDC <i>MMWR</i> which described the initial response to the novel coronavirus • Narrative describing the phases of a pandemic • Comparison of SARS-CoV-2 to other coronaviruses • Public health lessons learned and COVID-19 data resources • Effective public health management strategies to reduce the spread of SARS-CoV-2 • Select population health approaches implemented by hospitals during the COVID-19 pandemic • New Exhibits, Exercises, PowerPoint slides, Test Bank, and Instructor Manual
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