

JONES & BARTLETT LEARNING

TRANSITION GUIDE

Introduction to Global Health, 4th Edition

KATHRYN H. JACOBSEN, PhD, MPH

PUBLISH DATE: 10/3/2022

OVERVIEW

Introduction to Global Health, 4th Edition (IGH4) provides a comprehensive overview of the core areas of global health, including globalization, the socioeconomic and environmental contributors to population health, ethics and human rights, health systems and financing, the global burden of disease (including infectious diseases, reproductive health, nutrition, noncommunicable diseases, mental health disorders, and injuries), and health promotion across the lifespan.



MAJOR REVISION UPDATES

- Maintains the **same 20 chapters** as the 3rd edition, with **new content** added to many sections (*See Appendix B for a side-by-side comparison of the 3rd and 4th editions.*)
- **Updated statistics, science, and citations**
- **New tables and figures** throughout, including a series of new tables highlighting key actions for preventing and treating common health issues
- **Expanded glossary** with over 900 terms
- Integrates information about the **pandemic and its effect on multiple facets of global health** into many chapters of the book
- **Greater emphasis on the specific interventions** that are being implemented to prevent disease, disability, and early death and promote long, healthy lives around the world
- **Expanded Instructor's Manual with new discussion questions and active learning exercises** as well example course syllabi for teaching to a variety of student audiences

KEY NEW (OR SIGNIFICANTLY EXPANDED) SECTIONS FOCUS ON:

- Global health values, history, and functions (Chapter 1, CUGH SLO #1)
- Comparative health metrics (Chapter 2, expanded to enable the burden of disease chapters to better align with CUGH SLO #8)
- Culture and health (Chapter 3, CUGH SLO #3)
- Ecosystem health (Chapter 4, CUGH SLO #4)
- Health workforce (Chapter 5)
- Global health channels and implementers (Chapter 7, CUGH SLO #7)
- Coronaviruses (Chapter 9, and the pandemic is mentioned in most chapters)
- Interdisciplinary and interprofessional learning for global health (Chapter 20, CUGH SLO #10)

KEY UPDATES FOR COURSES IN PUBLIC HEALTH AND MEDICAL/NURSING PROGRAMS:

- Increased focus on **prevention science and implementation science**
- New tables in the 10 disease-specific chapters (Chapters 8–17) summarize the **key interventions for all the major causes of disease, disability, and premature mortality**
- Up-to-date global public health **data visualizations** presented in every chapter
- Content drawn from hundreds of **peer-reviewed articles** from the medical and public health literatures
- Each chapter highlights opportunities to make progress toward achieving **global health equity**

KEY UPDATES FOR GENERAL EDUCATION COURSES:

- Chapters 1–7, the first sections of each of the middle ten chapters on interventions for specific health issues (8.1, 9.1, 10.1, 11.1, 12.1, 13.1, 14.1, 15.1, 16.1, 17.1), and Chapters 18–20 together provide **comprehensive coverage of the 10 CUGH-recommended student learning objectives**
(See Appendix A for details about the learning objectives from the Consortium of Universities for Global Health.)
- The new instructor’s materials equip instructors who are not global health specialists with the tools needed to be effective and engaging educators
- Chapter 20 emphasizes the value of **multidisciplinary learning in global health** and has been rewritten to focus on the benefits of interdisciplinarity, experiential learning, and professional development

Appendix A

The Consortium of Universities for Global Health (<https://www.cugh.org/>) is a partnership of nearly 200 member colleges and universities that promotes excellence in global health teaching, research, and practice. In May 2020, CUGH published a set of 10 recommended learning objectives (SLOs) for introductory courses in global health on its website after several rounds of internal review. An article introducing the SLOs was then published in *Annals of Global Health* in August 2020 (<https://doi.org/10.5334/aogh.2963>).

The chapters of *Introduction to Global Health (4th edition)* are designed to align, in order, with the 10 CUGH-recommended student learning objectives. Ten chapters (Chapter 1–7 and 18–20) provide core content for the start and end of a course, and the middle 10 chapters on the practice and policy interventions for major causes of disease, disability, and death summarize core themes and provide numerous case studies that instructors can use to personalize their courses.

	CUGH Learning Objective	Chapter(s) in IGH4	Recommended sections for intro courses within global or public health majors or minors	Recommended sections for general education courses
1	Describe the history, values, and functions of global health	Global Health Transitions (Chapter 1)	All	All
2	Explain how travel, trade, and other aspects of globalization contribute	Global Health Priorities (Chapter 2)	All	2.1–5

	to health, disease, and health disparities			
3	Summarize the social, economic, cultural, and political contributors to individual and population health	Socioeconomic Determinants of Health (Chapter 3)	All	All
4	Examine the connections between human health and environmental health , including considerations of water, sanitation, air quality, urbanization, and ecosystem health	Environmental Determinants of Health (Chapter 4)	All	All
5	Discuss the relationship between human rights and global health	Health and Human Rights (Chapter 5)	All	5.1–3,7–9
6	Compare the financing and delivery of medical care in countries with different types of health systems and different income levels	Global Health Financing (Chapter 6)	All	All
7	Evaluate the roles, responsibilities, and relationships of the agencies and organizations involved in financing and implementing public health interventions locally and internationally	Global Health Implementation (Chapter 7)	All	7.1–9
8	Compare the burden of disease , disability, and death from infectious diseases, maternal and perinatal conditions, nutritional deficiencies, noncommunicable diseases (NCDs), mental health disorders, and injuries in countries with different income levels	Infectious diseases (Chapters 8–10)	8.1*, 9.1*, 10.1*	8.1*, 9.1*, 10.1*
		Reproductive health (Chapter 11)	11.1*	11.1*
		Nutrition (Chapter 12)	12.1*	12.1*
		NCDs (Chapters 13–15)	13.1*, 14.1*, 15.1*	13.1*, 14.1*, 15.1*
		Mental Health Promotion (Chapter 16)	16.1*	16.1*
		Injury Prevention (Chapter 17)	17.1*	17.1*
9	Identify evidence-based, cost-effective, sustainable interventions for promoting health and preventing illness across the lifespan from the prenatal period through older adulthood	Promoting Neonatal, Infant, Child, and Adolescent Health (Chapter 18)	All	All
		Promoting Healthy Adulthood and Aging (Chapter 19)	All	All
10	Apply an interdisciplinary or interprofessional lens to the evaluation of policies and interventions that seek to solve major population health concerns and achieve health equity	Interprofessionalism in Global Health (Chapter 20)	All	All

* For the disease-specific chapters associated with SLO #8, the first section of each chapter provides an overview of the topic in global perspective. One or more additional section from each chapter can be selected to use as a case study at the discretion of the instructor.

Appendix B

Alignment of *Introduction to Global Health* 3rd edition and 4th edition

Key changes to the outline marked in blue

Chapter	Title	IGH3	IGH4
1	Global Health Transitions		1.1 Global Health Values
		1.1 Defining Global Health	1.2 Population Health
		1.3 Prevention Science (1.2 Health Interventions)	1.3 Prevention and Intervention Science
		(13.4 Cancer Risk Factors)	1.4 Risk Factors
		1.4 Health Transitions	1.5 Health Transitions
			1.6 Global Health History and Functions
		2.1 Global Health Achievements	1.7 Global Health Achievements
2	Global Health Priorities	1.7 Globalization and Health	2.1 Globalization and Health
		1.6 Global Health Security	2.2 Global Health Security
		2.2 Prioritization Strategies	2.3 Prioritization Strategies
		2.4 Millennium Development Goals	2.4 Millennium Development Goals
		2.5 Sustainable Development Goals	2.5 Sustainable Development Goals
		2.3 Health Metrics	2.6 Vital Statistics
			2.7 Mortality
			2.8 Morbidity
			2.9 Burden of Disease Metrics
		(3.2 Economics)	2.10 Sources of Health Information
		1.5 World Regions and Featured Countries	2.11 Country Income Level and Health
	2.12 World Regions and Featured Countries		
3	Socioeconomic Determinants of Health	3.1 Health Disparities and the SDGs	3.1 Health Equity and the SDGs
		3.2 Economics	3.2 Economics
		3.3 Education	3.3 Education
		3.4 Gender	3.4 Gender
		3.5 Employment	3.5 Employment
		3.6 Minority Populations	3.6 Culture, Discrimination, and Health
		3.7 Migrant and Refugee Health	3.7 Migrant and Refugee Health
		3.8 Governance and Politics	3.8 Governance and Politics
4	Environmental Determinants of Health	4.1 Environmental Health and the SDGs	4.1 Environmental Health and the SDGs
		4.2 Water, Sanitation, and Hygiene	4.2 Water, Sanitation, and Hygiene
		4.3 Energy and Air Quality	4.3 Energy and Air Quality
		4.4 Occupational and Industrial Health	4.4 Occupational and Industrial Health
		4.5 Urbanization	4.5 Urbanization
		4.6 Sustainability	4.6 Sustainability
			4.7 Ecosystem Health
4.7 Climate Change and Health	4.8 Climate Change and Health		
5	Health and Human Rights	5.1 Health and Human Rights	5.1 Health and Human Rights
		5.3 Access to Health Services	5.2 Access to Health Services

		5.4 Access to Medicines	5.3 Access to Essential Medicines
		5.9 People with Disabilities	5.4 People with Disabilities
		5.8 Health in Prisons	5.5 Health in Prisons
			5.6 Health Workforce
		5.2 Access to Basic Human Needs	5.7 Access to Basic Human Needs
		5.5 Health and Natural Disasters	5.8 Emergency Management
		7.5 International Health Regulations	5.9 International Health Regulations
6	Global Health Financing	1.2 Health Interventions	6.1 Medicine and Public Health
		6.1 Personal and Public Health	6.2 Global Health Financing
		6.2 Health Systems	6.3 Health Systems
		6.3 Paying for Personal Health	6.4 Paying for Personal Health
		6.4 Health Insurance	6.5 Health Insurance
		6.5 Paying for Global Health Interventions	6.6 Paying for Global Health Interventions
		6.6 Official Development Assistance	6.7 Official Development Assistance
		6.8 Foundations and Corporate Donations	6.8 Foundations and Corporate Donations
		6.9 Personal Donations	6.9 Personal Donations
7	Global Health Implementation		7.1 Global Health Channels and Implementers
		7.1 Global Health Interventions	7.2 Global Health Interventions
		7.3 International Cooperation	7.3 International Cooperation
		7.4 WHO and the United Nations	7.4 The United Nations
		6.7 Multilateral Aid	7.5 Development Banks
		7.6 Global Partnerships	7.6 Global Partnerships
		7.2 Local and National Governments	7.7 Local and National Governments
		7.7 The Nonprofit Sector	7.8 The Nonprofit Sector
		7.8 The Corporate Sector	7.9 The Corporate Sector
		7.9 Research and the Academic Sector	7.10 Research and the Academic Sector
		7.10 Measuring Impact	7.11 Measuring Impact
8	HIV/AIDS and Tuberculosis	8.1 HIV/AIDS, TB, and Global Health	8.1 HIV/AIDS, TB, and Global Health
		8.2 Viruses, Bacteria, and Fungi	8.2 Viruses, Bacteria, and Fungi
		8.3 HIV and AIDS	8.3 HIV and AIDS
		8.4 HIV/AIDS Epidemiology	8.4 HIV/AIDS Epidemiology
		8.5 HIV Interventions	8.5 HIV Interventions
		8.6 Other Sexually Transmitted Infections	8.6 Sexually Transmitted Infections
		8.7 Tuberculosis	8.7 Tuberculosis
			8.8 TB Epidemiology
		8.8 TB Interventions	8.9 TB Interventions
		8.9 Antimicrobial Resistance	8.10 Antimicrobial Resistance
9	Diarrheal, Respiratory, and Other Common Infections	9.1 Infectious Diseases and Global Health	9.1 Infectious Diseases and Global Health
		9.2 Diarrheal Diseases	9.2 Diarrheal Diseases
		9.3 Diarrhea Interventions	9.3 Diarrhea Interventions
		9.4 Pneumonia	9.4 Acute Respiratory Infections
		9.5 Other Respiratory Infections	9.5 Pneumonia Interventions
		9.6 Influenza	9.6 Influenza

			9.7 Coronaviruses
		9.7 Immunization	9.8 Immunization
		9.8 Vaccine-Preventable Infections	9.9 Vaccine-Preventable Infections
		9.9 Viral Hepatitis	9.10 Viral Hepatitis
		9.10 Meningitis	9.11 Meningitis
10	Malaria and Neglected Tropical Diseases	10.1 Malaria, NTDs, and Global Health	10.1 Malaria, NTDs, and Global Health
		10.2 Parasites: Protozoa and Helminths	10.2 Protozoa and Helminths
		10.3 Malaria	10.3 Malaria
			10.4 Malaria Epidemiology
		10.4 Malaria Interventions	10.5 Malaria Interventions
		10.5 Dengue and Other Arboviruses	10.6 Dengue
			10.7 Other Arboviruses
		10.9 Lymphatic Filariasis	10.8 Lymphatic Filariasis
		10.10 Onchocerciasis	10.9 Onchocerciasis
		10.8 Schistosomiasis	10.10 Schistosomiasis
		10.13 Soil-Transmitted Helminths	10.11 Soil-Transmitted Helminths
		10.6 Chagas Disease and Trypanosomiasis	10.12 Chagas Disease and Trypanosomiasis
		10.7 Leishmaniasis	10.13 Leishmaniasis
		10.11 Leprosy, Buruli Ulcer, and Trachoma	10.14 Leprosy, Buruli Ulcer, and Trachoma
		10.14 Other Neglected Tropical Diseases	10.15 Skin NTDs
			10.16 Foodborne NTDs
		10.12 Rabies	10.17 Rabies and Snakebite Envenoming
		10.15 Eradication	10.18 Eradication
			10.19 Guinea Worm Disease
			10.20 Polio
		10.16 Emerging Infectious Diseases	10.21 Emerging Infectious Diseases
11	Reproductive Health	11.1 Reproductive Health and Global Health	11.1 Reproductive Health and Global Health
		11.2 The Fertility Transition	11.2 The Fertility Transition
		11.3 Population Planning	11.3 Population Planning
		11.4 Family Planning	11.4 Family Planning
			11.5 Contraception
		11.6 Healthy Pregnancy	11.6 Healthy Pregnancy
		11.7 Maternal Mortality and Disability	11.7 Maternal Mortality
		11.8 Neonatal Health	11.8 Stillbirths and Neonatal Mortality
		11.5 Infertility	11.9 Infertility
		11.9 Gynecologic Health	11.10 Gynecologic Health
		11.10 Men's Reproductive Health	11.11 Men's Reproductive Health
		11.11 Sexual Minority Health	11.12 Sexual Minority Health
12	Nutrition	12.1 Nutrition and Global Health	12.1 Nutrition and Global Health
		12.2 Macronutrients	12.2 Macronutrients
		12.10 Breastfeeding	12.3 Breastfeeding and Infant Nutrition
		12.3 Protein-Energy Malnutrition	12.4 Child Growth

			12.5 Protein-Energy Malnutrition
		12.4 Food Security and Food Systems	12.6 Food Security and Food Systems
		12.5 Micronutrients	12.7 Micronutrients
		12.8 Iron Deficiency Anemia	12.8 Iron Deficiency Anemia
		12.6 Iodine Deficiency Disorders	12.9 Iodine Deficiency Disorders
		12.9 Other Micronutrient Deficiencies	12.10 Other Mineral Deficiencies
		12.7 Vitamin A Deficiency	12.11 Vitamin A Deficiency
		(12.9 Other Micronutrient Deficiencies)	12.12 Other Vitamin Deficiencies
		12.11 Overweight and Obesity	12.13 Overweight and Obesity
			12.14 Obesity Interventions
		12.12 Food Safety	12.15 Food Safety
13	Cardiovascular Diseases	14.1 Cardiovascular Disease and Global Health	13.1 Cardiovascular Disease and Global Health
		(15.1 The Epidemiologic Transition)	13.2 The Epidemiologic Transition
			13.3 CVD Epidemiology
			13.4 CVD Prevention
		15.2 NCDs and Behavior Change	13.5 Health Behavior Change
			13.6 Physical Inactivity and Sedentariness
		14.2 Ischemic Heart Disease	13.7 Ischemic Heart Disease
		14.3 Cerebrovascular Disease	13.8 Stroke
		14.4 Hypertension	13.9 Hypertension
		14.5 Other Cardiovascular Diseases	13.10 Other Cardiovascular Diseases
14	Cancer	13.1 Cancer and Global Health	14.1 Cancer and Global Health
		13.2 Cancer Biology	14.2 Cancer Biology
		13.3 Cancer Epidemiology	14.3 Cancer Epidemiology
		13.4 Cancer Risk Factors and Prevention	14.4 Cancer Prevention
		13.5 Cancer Screening and Diagnosis	14.5 Cancer Screening
		13.6 Cancer Treatment	14.6 Cancer Treatment
		13.7 Lung Cancer	14.7 Lung Cancer
		13.8 Breast Cancer and Cervical Cancer	14.8 Breast Cancer
			14.9 Cervical Cancer
		13.9 Prostate Cancer	14.10 Prostate Cancer
		13.10 Liver Cancer	14.11 Liver Cancer
		13.11 Esophageal, Stomach, and Colorectal Cancers	14.12 Esophageal, Stomach, and Colorectal Cancers
		13.12 Other Cancers	14.13 Other Cancers
15	Diabetes, Chronic Respiratory Diseases, and Other Noncommunicable Diseases	15.1 The Epidemiologic Transition and Global Health	15.1 Noncommunicable Diseases and Global Health
		15.5 Diabetes	15.2 Diabetes
		15.3 Chronic Respiratory Diseases	15.3 Chronic Respiratory Diseases
		15.4 Tobacco Control	15.4 Tobacco Control
		15.6 Chronic Kidney Disease	15.5 Chronic Kidney Disease
		15.7 Liver and Digestive Diseases	15.6 Liver Diseases
			15.7 Digestive Diseases

		15.8 Neurological Disorders	15.8 Neurological Disorders
		15.9 Genetic Blood Disorders	15.9 Genetic Blood Disorders
		15.10 Musculoskeletal Disorders	15.10 Musculoskeletal Disorders
		15.11 Sensory Disorders	15.11 Vision Impairment
			15.12 Hearing Loss
		15.12 Skin Diseases	15.13 Skin Diseases
		15.13 Dental and Oral Health	15.14 Dental and Oral Health
16	Mental Health Promotion	16.1 Mental Health and Global Health	16.1 Mental Health and Global Health
		16.4 Depressive Disorders	16.2 Depressive Disorders
		16.5 Anxiety Disorders	16.3 Anxiety Disorders
		16.2 Schizophrenia	16.4 Schizophrenia
		16.3 Bipolar Disorder	16.5 Bipolar Disorder
		16.6 Alcohol and Drug Use Disorders	16.6 Drug Use Disorders
			16.7 Alcohol Use Disorders
		16.7 Other Mental Health Disorders	16.8 Other Mental Health Disorders
		16.8 Suicide	16.9 Suicide
		16.9 Autism and Neurodevelopmental Disorders	16.10 Autism and Neurodevelopmental Disorders
		16.10 Dementia and Neurocognitive Disorders	16.11 Dementia and Neurocognitive Disorders
		16.11 Mental Health Care	16.12 Mental Health Care
17	Injury Prevention	17.1 Injuries and Global Health	17.1 Injuries and Global Health
		17.2 Transport Injuries	17.2 Transport Injuries
		17.3 Falls	17.3 Falls
		17.4 Drowning	17.4 Drowning
		17.5 Burns	17.5 Burns
		17.6 Other Unintentional Injuries	17.6 Other Unintentional Injuries
		17.7 Intentional Injuries	17.7 Intentional Injuries
		17.8 Interpersonal Violence	17.8 Interpersonal Violence
		17.9 Gender-Based Violence	17.9 Gender-Based Violence
		5.6 Conflict and War	17.10 Conflict and War
		5.7 Bioterrorism	17.11 Bioterrorism
18	Promoting Neonatal, Infant, Child, and Adolescent Health	18.1 Progress in Child Survival	18.1 Global Child Health
		18.2 Improving Neonatal Survival	18.2 Improving Neonatal Survival
		18.3 Promoting Infant and Child Health	18.3 Supporting Infant Health & Development
		18.4 Promoting Early Childhood Development	18.4 Health Interventions in Early Childhood
		18.5 Children with Special Needs	18.5 Children with Special Needs
		18.6 Health Promotion for Older Children	18.6 Promoting Health in Middle Childhood
		18.7 Health Promotion for Adolescents	18.7 Promoting Adolescent Health
19	Promoting Healthy Adulthood and Aging	19.1 Aging and Global Health	19.1 Healthy Adulthood
		19.2 Health Promotion in Early and Middle Adulthood	19.2 Promoting Health in Early Adulthood
			19.3 Promoting Health in Middle Adulthood
		19.5 Health Promotion Across the Life Span	19.4 The Aging Transition

		19.4 Caring for Aging Populations	19.5 Aging and Global Health
		19.3 Health Promotion for Older Adults	19.6 Supporting Health in Older Adulthood
20	Interprofessionalism in Global Health	20.2 Global Health Education	20.1 Core Knowledge in Global Health
			20.2 Multidisciplinary Learning in Global Health
			20.3 Intercultural Communication and Global Health Practice
		20.1 Career Pathways in Global Health	20.4 Professional Skills for Global Health Practice
		20.3 Experiential Learning in Global Health	20.5 Experiential Learning in Global Health
			20.6 Professional Development in Global Health
		20.4 Global Health Matters	20.7 Global Health Matters
		--	Glossary