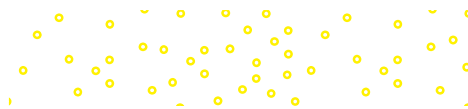


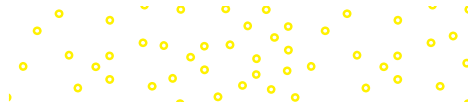
# Your Health Today

## Choices in a Changing Society

Eighth Edition







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## Choices in a Changing Society

**Eighth Edition**

**Michael Teague**

*University of Iowa*

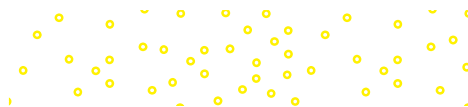
**Sara Mackenzie**

*University of Washington*

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*Columbia University*

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## YOUR HEALTH TODAY: CHOICES IN A CHANGING SOCIETY, EIGHTH EDITION

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## Dear Readers,

The story of this book began over 20 years ago when three friends—a health educator, a family physician, and a family therapist—had a conversation about their beliefs about teaching health. While our clinical and academic paths differed, we found that we shared a fundamental belief that, although the individual plays a role in the wellness process, society has a responsibility to promote the well-being of all individuals. Many personal health books at the time focused on personal responsibility for health. That is indeed a major part of health, but we wanted to emphasize a model where individuals make health decisions within the context of their relationships, cultures, communities, policies, and physical surroundings. What eventually came of that conversation was the decision to create a book that emphasizes putting personal health in context.

Since we started working on the first edition of what became *Your Health Today*, we have visited health educators across the country and learned from their many different approaches to teaching personal health. Recently we have also been confronted with a public health crisis (COVID-19) that has confirmed our focus on public and personal health. As always, we have tried to incorporate a range of those experiences, strategies, and resources into our revisions and our own personal health courses.

Like instructors who use our book, we too have been challenged through the years by the dynamic nature of health. The world is changing—interpersonally, financially, politically, and environmentally—so, what does that mean to personal health? How do students of the 21st century learn best, and where does their current understanding of personal health come from? What will be the health priorities of the future? What skills will today's students need 20 years from now to maintain a healthy lifestyle? Examining history and our own beliefs about those questions encouraged us to incorporate several health topics that are not traditionally covered (or covered only briefly) in other personal health books. As learners, we also believe that today's students generally do not need to memorize facts so much as learn how to access and assess health information, critically consider implications, and respond. In essence, our program fills the need for an approach to personal health that balances individual and cultural responsibility.

Our mission and passion for this endeavor has remained true years later. We continue to learn how to create small change in personal, professional, and community lives in an attempt to improve the health outcomes for all future generations. We hope that the eighth edition will challenge students to think of themselves as agents of change. Students can make personal changes in lifestyle behaviors that affect their own health, and they can also influence communities to make changes in response to social, political, and economic factors that affect the health of broader segments of the population.

*Michael Teague  
Sara Mackenzie  
David Rosenthal*



*Courtesy of Maria Richter*



*University of Washington  
School of Public Health*



*Courtesy of Rebecca Sale*

# Brief Contents

**CHAPTER 1** Self, Family, and Community 1

**CHAPTER 2** Mental Health and Stress 32

**CHAPTER 3** Social Connections 66

**CHAPTER 4** Sleep 89

**CHAPTER 5** Nutrition 112

**CHAPTER 6** Fitness 146

**CHAPTER 7** Body Weight and Body Composition 174

**CHAPTER 8** Body Image 196

**CHAPTER 9** Alcohol and Tobacco 215

**CHAPTER 10** Drugs 251

**CHAPTER 11** Sexual Health 279

**CHAPTER 12** Reproductive Choices 309

**CHAPTER 13** Infectious Diseases 337


**CHAPTER 14** Cardiovascular Disease, Diabetes, Chronic Lung Diseases, and Dementia 374

**CHAPTER 15** Cancer 404

**CHAPTER 16** Injury and Violence 428

## SUPPLEMENTAL E-BOOK CHAPTERS

**CHAPTER 17** Complementary and Integrative Medicine 464  
 **connect**

**CHAPTER 18** Environmental Issues 487  
 **connect**

## REFERENCES R-1

## INDEX I-1

# Contents

## CHAPTER 1 Self, Family, and Community 1

- Your Health in Context 2
  - Health and Well-Being* 2
  - What Determines Health?* 2
  - Population Health* 4
  - Health Equity* 5
- Your Health and Your Community's Health 7
  - Public Health* 8
  - Community Health* 8
  - The Healthy People Initiative* 9
  - Individual Choice Versus Societal Responsibility* 10
- Your Personal Health Choices 10
  - Health-Related Behavior Choices* 11
  - The Health Belief Model* 11
  - The Stages of Change Model* 11
  - Creating a Behavior Change Plan* 12
  - Being an Informed Consumer of Health Information* 13
- Your Health and Your Family Health History 15
  - DNA and Genes: The Basis of Heredity* 16
  - Genetic Inheritance* 17
  - Creating a Family Health Tree* 20
  - What Can You Learn From Your Health Tree?* 21
- Looking Ahead 22

## p. 3

Who knew so many things influence the choices you make?



(BJI/Blue Jean Images/Getty Images)

## In Review 23

Personal Health Portfolio: *Physical and Mental Health Assessment* 25; *Behavior Change Contract* 30; *Creating a Family Health Tree* 31

## CHAPTER 2 Mental Health and Stress 32

- What Is Mental Health? 33
  - Positive Psychology and Character Strengths* 33
  - Characteristics of Mentally Healthy People* 33
  - The Self-Actualized Person* 35
  - Optimism, Self-Efficacy, and Resilience* 35
  - Happiness and Positive Psychology* 36
  - Emotional Intelligence* 37
- The Grieving Process: Part of Life 38
  - Bereavement and Healthy Grieving* 38
  - Facing Death* 39
- The Brain's Role in Mental Health and Illness 40
  - The Developing Brain* 40
  - Mental Illness and the Brain* 41
- Mental Disorders and Treatment 42
  - Neurodevelopmental Disorders* 42
  - Mood Disorders* 43
  - Anxiety Disorders* 43
  - Addiction* 44
  - Schizophrenia and Other Psychotic Disorders* 45
  - Mental Disorders and Suicide* 46
  - Self-Injury* 46
  - Treatments for Mental Disorders* 47
- What Is Stress? 48
  - The Stress Response* 51
  - The Relaxation Response* 51
  - Acute Stress and Chronic Stress* 52
- Stress and Your Health 52
  - The General Adaptation Syndrome* 52
  - Physical Effects of Chronic Stress* 52
  - Mediators of the Stress Response* 53
- Sources of Stress 54
  - Life Events* 54
  - Daily Hassles* 55

## Managing Stress 58

*Healthy and Unhealthy Ways to Manage Stress* 59*Stress-Reduction Strategies* 59*Relaxation Techniques* 60*Web-Based Mobile Health and Virtual Reality Interventions* 62

## In Review 62

Personal Health Portfolio: *How Resilient Are You?* 64**CHAPTER 3 Social Connections 66**

## Healthy Personal Relationships 67

*A Healthy Sense of Self* 67*Friendships and Other Kinds of Relationships* 67*Strengths of Successful Partnerships* 68

## Looking for a Partner 68

*Attraction* 68*The Process of Finding a Partner:  
Dating and More* 69

## What Is Love? 70

*The Course of Love* 71*Sternberg's Love Triangle* 71

## Communication Skills and Styles 72

*Nonverbal Behavior and Metamessages* 72*Building Communication Skills* 72*Gender Differences in Communication Styles* 73

## Sex and Gender 73

*Gender Roles and Gender Identities* 74*Sexual Orientation* 75

## Committed Relationships and Lifestyle Choices 75

*Marriage* 75*Gay and Lesbian Partnerships* 76*Cohabitation* 77*Divorce* 78*Blended Families* 78*Singlehood* 79*Keeping Your Relationships Strong and Vital* 79

## Communities 79

*Community Starts Within* 80*Finding a Community That Works for You* 82

## In Review 86

Personal Health Portfolio: *Meaning in Life  
Questionnaire* 87**CHAPTER 4 Sleep 89**

## Sleep and Your Health 90

*Health Effects of Sleep* 90*Sleep and Your Thyroid* 92*Sleep and Menstruation* 92*Health Effects of Sleep Deprivation* 93

## What Makes You Sleep? 94

## The Structure of Sleep 95

*NREM Sleep* 95*REM Sleep* 95*Sleep Cycles* 96

## Sleep Disorders 97

*Insomnia* 97*Sleep Apnea* 97*Sleepwalking Disorder* 98*Sleep-Related Eating Disorders* 98*Evaluating Your Sleep* 98

## Getting a Good Night's Sleep 99

*Take a Break From Technology* 99*Establish Good Sleep Habits* 100*Sleeping in Unfamiliar Environments* 105*Using Sleep Aids and Sleep Apps* 106

## In Review 108

Personal Health Portfolio: *Assessing Your Sleep* 109**CHAPTER 5 Nutrition 112**

## Understanding Nutritional Guidelines 113

## Types of Nutrients 113

*Water—The Unappreciated Nutrient* 114*Carbohydrates—Your Body's Fuel* 116*Protein—Nutritional Muscle* 118*Fats—A Necessary Nutrient* 119**p. 67**Friendship matters to  
your health.

(Susanne Walstrom/Getty Images)

*Minerals—A Need for Balance* 120  
*Vitamins—Small but Potent Nutrients* 121  
*Other Substances in Food: Phytochemicals* 122

#### Planning a Healthy Diet 124

2015–2020 Dietary Guidelines for Americans 125  
*Choose MyPlate* 126  
*The DASH Eating Plan* 126  
*Limiting Red Meats* 126  
*Cultured Meat* 128  
*Vegetarian Diets* 128  
*Traffic-Light System* 128  
*Diet for a Healthy Brain* 128

#### Getting Help from Food Labels 128

*The Nutrition Facts Label* 128  
*Claims on Food and Dietary Supplement Packaging* 129  
*Restaurant Menu Labels* 129  
*“Sell By” Labels* 130

#### Current Consumer Concerns 130

*Overconsumption of Soft Drinks* 131  
*Overconsumption of Salt* 132  
*Food Allergies and Food Intolerances* 133  
*Celiac Disease and Gluten* 133  
*Gluten Sensitivity* 134  
*Energy Bars and Energy Drinks* 134  
*Fast Foods* 136  
*Microwaving Food* 136  
*Food Deserts* 137  
*Food Insecurity on the College Campus* 137

#### Food Safety and Technology 137

*Organic Foods* 137  
*Foodborne Illnesses* 138  
*Genetically Modified Foods* 141  
*The Future of Food* 141

#### In Review 143

Personal Health Portfolio: Assessing Your Diet 144

## CHAPTER 6 Fitness 146

#### What Is Fitness? 148

*Benefits of Physical Activity and Exercise* 148  
*General Guidelines for Physical Activity* 150

#### Components of Health-Related Fitness 151

*Cardiorespiratory Fitness* 152  
*Muscular Fitness* 153  
*Flexibility* 155  
*Neuromotor Fitness* 156

*Conscious Movement* 157  
*Body Composition* 157  
*Combining Fitness Activities* 158  
*Falling Out of Shape* 158

#### Improving Your Health through Moderate Physical Activity 158

*Making Daily Activities More Active* 158  
*Walking for Fitness* 159  
*Getting the Most from Cardio Exercise Equipment* 160  
*Exergaming and Other Replacements for Sedentary Technology* 161  
*Keeping Track with Fitness Apps* 161

#### Special Considerations in Exercise and Physical Activity 161

*Health and Safety Precautions* 162  
*The Exercise-Recovery Industry* 163  
*Face Masks and Exercise During COVID-19* 166  
*Exercise for People with Disabilities* 167

#### Physical Activity for Life 167

*Making a Commitment to Change* 167  
*Using Social and Community Support* 168

#### In Review 171

Personal Health Portfolio: Assess Your Physical Activity 172

## p. 167

Physical activity benefits your physical, cognitive, and emotional health.



(Adam Pretty/Getty Images)

**CHAPTER 7 Body Weight and Body Composition 174**

What Is a Healthy Body Weight? 175

*Body Mass Index 176**Body Composition 177**Body Fat Distribution 178**Issues Related to Obesity 178**The Problem of Underweight 179*

What Factors Influence Your Weight and Body Composition? 179

*Genetic and Hormonal Influences 179**Age and Gender 180**Obesogenic Environments and Lifestyle 182*The Key to Healthy Body Composition:  
Energy Balance 186*Estimating Your Daily Energy Requirements 186**Adjusting Your Caloric Intake 186*Are There Quick Fixes for a Healthy Body Composition  
and Healthy Weight? 187*Weight-Loss Diets 187**Weight-Management Organizations 188**The Medical Approach 188**The Size-Acceptance Movement 189*

Achieving a Healthy Body Composition for Life 189

*Tasks for Individuals 189**Tasks for Society 191*

In Review 193

Personal Health Portfolio: *What Are Your Daily Energy  
Needs?* 194**CHAPTER 8 Body Image 196**

What Shapes Body Image? 197

*Positive Body Image 198**Gender and Body Image 198**Race, Ethnicity, and Body Image 199**Life Stages and Body Image 199*

Disordered Eating and Eating Disorders 200

*Contributing Factors 201**Diagnosing Eating Disorders 201**Health Effects of Eating Disorders 203**Treating Disordered Eating  
and Eating Disorders 205*

Body Dysmorphic Disorder 207

*Muscle Dysmorphia 207**Cosmetic Surgery 207**Body Art 208*

Exercise Disorders 209

**p. 198**Many body types  
and sizes can be  
associated with  
good health.

(WENN Ltd/ Alamy Stock Photo)

Promoting a Healthy Body Image and Healthy  
Eating 209*Individual Attitudes and Actions 209**College Initiatives 209**Public Health Approaches 209*

In Review 211

Personal Health Portfolio: *Self-Esteem and Body  
Image* 213**CHAPTER 9 Alcohol and Tobacco 215**

Understanding Alcohol Use 216

*Patterns of Alcohol Use 216**Who Drinks? 216**Drinking on the College Campus 218*

Effects of Alcohol on the Body 220

*Alcohol Absorption 220**Alcohol Metabolism 222**Visible Effects: Weight and Wrinkles 222**Acute Alcohol Intoxication 223**Blackouts 223**Effects of Alcohol Ingestion Fads 224**Hangovers 225**What Happens in the Body When You Stop  
Drinking Alcohol 226*

Health Risks of Alcohol Use 226

*Medical Problems Associated With  
Alcohol Use 226**Social Problems Associated With Alcohol  
Use 228**Alcohol Misuse, Abuse, and Dependence 229**Another View: Health Benefits 229*

## Treatment Options 230

*Brief Interventions* 230*Inpatient and Outpatient Treatment* 230*Self-Help Programs* 230*Harm Reduction: Approach, Policies, and Laws* 230*Fake IDs* 231

## Taking Action 232

*Are You at Risk?* 232*Developing a Behavior Change Plan* 232*Be an Advocate* 232

## Understanding Tobacco Use 232

*Who Smokes? Patterns of Tobacco Use* 232*Tobacco Products and E-cigarettes* 233

## Why Do People Smoke? 237

*Nicotine Addiction* 237*Behavioral Dependence* 238*Weight Control* 238*Tobacco Marketing and Advertising* 238

## Effects of Tobacco Use on Health 238

*Short-Term Effects* 238*Long-Term Effects* 239*Special Health Risks for Women* 240*Special Health Risks for Men* 240*Special Health Risks for Ethnic Minority Groups* 240*Benefits of Quitting* 241*Effects of Environmental Tobacco Smoke* 241

## Quitting and Treatment Options 242

*Treatment Programs to Quit Smoking* 242*Medications to Quit Smoking* 242*Quitting on Your Own: Developing a Behavior Change Plan* 243

## Confronting the Tobacco Challenge 244

*Lawsuits and Court Settlements* 245*Limiting Access to Tobacco* 245*FDA Regulation of Tobacco* 245*Public Health Warnings* 245*Tobacco-Free College Campuses* 246

## In Review 247

Personal Health Portfolio: Assessing Your Drinking 249

**CHAPTER 10 Drugs 251**

Who Uses? Patterns of Illicit Drug Use 252

What Is a Drug? 254

*Types of Drugs* 255*Drug Misuse and Abuse* 255**p. 264**

Should recreational use of marijuana be legal?



(Yarygin/Shutterstock)

## Effects of Drugs on the Body 256

*Routes of Administration* 256*Factors Influencing the Effects of Drugs* 257*Effects of Drugs on the Brain* 257

## Drugs of Abuse 258

*Central Nervous System Stimulants* 258*Central Nervous System Depressants* 260*Opioids* 261*Hallucinogens and Dissociative Drugs* 262*Inhalants* 263*Cannabinoids* 263*Emerging Drugs of Abuse* 264

## Approaches to the Drug Problem 268

*Supply-Reduction Strategies* 268*Demand-Reduction Strategies* 270*Harm-Reduction Strategies* 271

## In Review 275

Personal Health Portfolio: Assessing Your Drug Use 277

**CHAPTER 11 Sexual Health 279**

## Sexual Anatomy and Functioning 280

*Female Sex Organs and Reproductive Anatomy* 280*Male Sex Organs and Reproductive Anatomy* 281*Sexual Response* 283*Sexual Development and Health Across the Lifespan* 286*Sexuality and Disability* 287

## xii Contents

Varieties of Sexual Behavior and Expression	287
<i>Common Forms of Sexual Expression</i>	287
<i>Atypical Sexual Behaviors and Paraphilias</i>	289
Sexual Dysfunctions	290
<i>Female Sexual Dysfunctions</i>	290
<i>Male Sexual Dysfunctions</i>	292
Protecting Your Sexual Health	293
<i>Using Condoms</i>	293
<i>A New Generation of Condoms</i>	296
<i>Condom Accessibility on College Campuses</i>	297
<i>Communicating About Sex</i>	297
Sex and Culture: Issues for the 21st Century	297
<i>Hooking Up</i>	297
<i>Dating Apps</i>	298
<i>The Sex Recession</i>	299
<i>Stealth: Is It a Criminal Act?</i>	299
<i>Sexting</i>	300
<i>Internet Pornography</i>	300
<i>Revenge Porn</i>	301
<i>Misuse of Erectile Dysfunction</i>	
<i>Drugs by Young Men</i>	301
<i>Aphrodisiacs</i>	302
<i>The Future of Sex</i>	302

In Review 306

Personal Health Portfolio: *Are You a Good Communicator?* 307

**CHAPTER 12 Reproductive Choices 309**

Choosing a Contraceptive Method	310
<i>Communicating About Contraception</i>	311
<i>Which Contraceptive Method Is Right for You?</i>	312
<i>Abstinence</i>	313
<i>Long-Acting Reversible Contraceptive Methods</i>	313
<i>Hormonal Contraceptive Methods</i>	314
<i>Barrier Methods</i>	316
<i>Fertility Awareness-Based Methods</i>	317
<i>Withdrawal</i>	318
<i>Emergency Contraception</i>	318
<i>Permanent Contraception</i>	320
Unintended Pregnancy	320
<i>Signs of Pregnancy</i>	320
<i>Deciding to Become a Parent</i>	321
<i>Adoption</i>	322
<i>Elective Abortion</i>	322
Fertility Care	323

Pregnancy and Prenatal Care	324
<i>Pregnancy Planning</i>	324
<i>Prepregnancy Counseling</i>	324
<i>Nutrition and Exercise</i>	324
<i>Infection and Pregnancy</i>	325
<i>Chronic Health Conditions</i>	325
<i>Prenatal Care and Delivery Choices</i>	326
<i>Fetal Development</i>	327
<i>Diagnosing Problems in a Fetus</i>	327
Childbirth and the Postpartum Period	329
<i>Labor and Delivery</i>	329
<i>Newborn Screening</i>	329
<i>The Postpartum Period</i>	329

In Review 333

Personal Health Portfolio: *Which Contraceptive Method Is Right for You?* 335

**CHAPTER 13 Infectious Diseases 337**

The Process of Infection	338
<i>The Chain of Infection</i>	338
<i>Pathogens</i>	339

**p. 337**

How does hand-washing protect us from disease?



(princessdlaf/Getty Images)

## The Body's Defenses 341

*External Barriers* 341*The Immune System* 341*Risk Factors for Infection* 344*Disruption of Immunity* 345

## Changing Patterns in Infectious Disease 346

*Food-Related Pathogen Transmission* 346*Behavior-Related Pathogen Transmission* 347*Antibiotic Resistance* 351*Vaccination Controversies* 352

## Infectious Diseases Worldwide and on Campus 353

*Global Infectious Diseases* 353*Infectious Diseases on Campus* 355

## Sexually Transmitted Infections 359

*HIV/AIDS* 359*Bacterial STIs* 363*Viral STIs* 367*Other STIs* 368

## Prevention of Infectious Diseases 369

## In Review 371

Personal Health Portfolio: *Evaluate Your Infectious Disease Risk* 372**CHAPTER 14** Cardiovascular Disease, Diabetes, Chronic Lung Diseases, and Dementia 374

## Cardiovascular Disease 375

*The Cardiovascular System* 375*Atherosclerosis* 377*Coronary Heart Disease and Heart Attack* 377*Stroke* 380*Congestive Heart Failure* 381*Other Cardiovascular Diseases* 382

## Promoting Cardiovascular Health 382

*Life's Simple 7* 382*Other Contributing Factors in Cardiovascular Health* 386*Areas of Interest for Future CVD Research* 388*Testing and Treatment* 389

## Diabetes 390

*Type-1 Diabetes* 391*Type-2 Diabetes* 392*Gestational Diabetes* 394

## Chronic Lung Diseases 394

*The Respiratory System* 395*Asthma* 395*Chronic Obstructive Pulmonary Disease* 397**p. 384**

How does physical activity support cardiovascular health?



(Adam Hester/Getty Images)

## Dementia 397

*Forms of Dementia* 397*Risk Factors, Diagnosis, and Treatment* 398

## Preventing Chronic Diseases 398

## In Review 399

Personal Health Portfolio: *How "Heart Healthy" Are You?* 401**CHAPTER 15** Cancer 404

## What Is Cancer? 405

*Healthy Cell Growth* 405*Cancer Cell Growth* 405*Classifying Cancers* 406*Types of Cancer* 406

## Risk Factors for Cancer 406

*Family History* 407*Lifestyle Factors* 407*Social and Economic Factors* 409*Environmental Factors* 409

## Cancer Screening 411

## Cancer Treatments 412

*Surgery* 412*Chemotherapy* 413*Radiation* 413*Biological Therapies* 413*Bone Marrow Transplantation* 414*Gene Therapy and Genetic Testing* 414*Clinical Trials* 414*Complementary and Integrative Medicine* 414

## xiv Contents

## Common Cancers 414

*Breast Cancer 414**Prostate Cancer 415**Lung Cancer 416**Colon and Rectal Cancer 417**Skin Cancers 418**Lymphoma 420**Common Cancers in Young Adults 421*

## Living with Cancer 423

## In Review 425

Personal Health Portfolio: *Assessing Your Risk Factors for Cancer 426***CHAPTER 16 Injury and Violence 428**

## Injury: Creating Safe Environments 429

*Motor Vehicle Safety 429**Motorcycle Safety 431**Bicycle Safety 432**E-scooter Safety 432**Pedestrian Safety 432**Recreational Safety 433**Home Safety 434***p. 437**

How loud is too loud?



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*Children and Vehicular Heat Stroke 435**Excessive Noise 436**Providing Emergency Aid 438**Computer Use 439**Natural Disasters 440*

## Violence: Working Toward Prevention 441

*Shootings on the College Campus 441**Hazing 441**Hate Speech 442**Sexual Violence 443**Intimate Partner Violence 453**Hate Crimes and Terrorism 455**Preventing Violence 456**Campus Security Drones 459*

## In Review 460

Personal Health Portfolio: *How Safe Are You? 462***ONLINE CHAPTER 17 Complementary and Integrative Medicine 464**

## Approaches to Health Care 465

*Conventional Medicine 465**Complementary and Integrative Medicine 466*

## Natural Products 468

*Megavitamins 469**Minerals 469**Probiotics and Other Nonvitamin, Nonmineral Supplements 470**Herbal Medicines 470*

## Mind and Body Practices 472

*Mind-Body Therapies 472**Manipulative Therapies 473**Energy Therapies 475*

## Alternative Medical Systems 476

*Traditional Chinese Medicine 476**Ayurveda 477**Homeopathy 477**Naturopathy 478**Indigenous Medicine 478*

## Making Informed Health Care Choices 479

*Evaluating Choices 479**Choosing Self-Care 479**Influences on Health Care Choices 479**Supporting Integrative Medicine 481*

## In Review 483

Personal Health Portfolio: *Understanding Your Insurance Coverage 485*


**ONLINE CHAPTER 18 Environmental Issues 487**
**Water and Water Quality 488**
*Water Supplies and Shortages 488*
*Virtual Water 489*
*Water Pollution 489*
*Drinking Water 490*
*Conserving Water 490*
**Air and Air Quality 491**
*Earth's Atmosphere 491*
*Climate Change 491*
*Air Pollution 497*
*Cremation or Vibration 501*
*Indoor Air Pollution 501*
**Waste Management 502**
*Solid Waste 502*
*E-Waste 503*
*Hazardous Waste 504*
*Approaches to Waste Management:  
Recycling and More 506*
**Ecosystems and Biodiversity 508**
*Deforestation 508*
*Desertification 509*
*Loss of Freshwater Resources 509*
*Ocean Acidification 509*
*Coral Reefs 510*
*Protecting Ecosystems 510*
**Energy Resources 510**
*Corporate Average Fuel Economy 511*
*Crude Oil 512*
*Coal 512*
*Natural Gas 513*
*Nuclear Power 513*

## p. 507

What can and can't be recycled?



(jonya/Getty Images)

*Solar Energy, Wind Power, and Other Renewable  
Energy Sources 513*

*Liquid Biofuels 515*

**Population Growth 515**

*Global and Cultural Carrying Capacities 516*

*Approaches to Population Control  
and Management 516*

*The Iron Law 516*

**In Review 517**

*Personal Health Portfolio: Your Lifestyle, Water,  
Carbon, and Ecological Footprints 519*


**REFERENCES R-1**
**INDEX I-1**

# Learn Without Limits

*Your Health Today* teaches personal health from a perspective of social responsibility. While each of us has a unique set of individual characteristics that shape our health, environmental factors have an impact on our well-being, too. *Your Health Today* incorporates the individual, interpersonal, and broader social factors that affect our health, acting as a guide for healthy living in college and beyond.


The student-focused features in the eighth edition of *Your Health Today* highlight current topics, illustrate concepts with new photos and graphs, and invite dialogue among personal health students. These features serve as entry points to classroom discussion, critical thought, and practical application of health concepts to students' lives. Many also have accompanying assignable online activities within Connect.

## Connect Is Proven Effective

 **connect**® **McGraw-Hill Connect**® is a digital teaching and learning environment that improves performance over a variety of critical outcomes; it is easy to use, and it is proven effective. Connect® empowers students by continually adapting to deliver precisely what they need, when they need it, and how they need it, so your class time is more engaging and effective. Connect for Personal Health offers a wealth of interactive online content, including health labs and self-assessments, video activities on timely health topics, and practice quizzes with immediate feedback.

New to this edition, Application-Based Activities help your student assess their own health and behavior. Twelve new self-assessments and five new Portfolio Health Profiles include privacy controls to protect student data.

## Personalized Learning

 **SMARTBOOK**® Available within Connect, **SmartBook**® makes study time as productive and efficient as possible by identifying and closing knowledge gaps. SmartBook identifies what an individual student knows and doesn't know based on the student's confidence level, responses to questions, and other factors. SmartBook builds an optimal, personalized learning path for each student, so students spend less time on concepts they already understand and more time on those they don't. As a student engages with SmartBook, the reading experience continuously adapts by highlighting the most impactful content a student needs to learn at that moment in time. This ensures that every minute spent with SmartBook is returned to the student as the most value-added minute possible. The result? More confidence, better grades, and greater success.

SmartBook is optimized for phones and tablets and accessible for students with disabilities using interactive features.

## Writing Assignment

McGraw-Hill's new Writing Assignment tool delivers a learning experience that improves students' written communication skills and conceptual understanding with every assignment. Assign, monitor, and provide feedback on writing more efficiently and grade assignments within McGraw-Hill Connect®. Writing Assignment gives students an all-in-one place interface, so you can provide feedback more efficiently.

Features include:

- Saved and reusable comments (text and audio).
- Ability to link to resources in comments.
- Rubric building and scoring.
- Ability to assign draft and final deadline milestones.
- Tablet ready and tools for all learners.

## Dietary Analysis Tool

NutritionCalc Plus is a suite of powerful dietary self-assessment tools that help students track their food intake and activity and analyze their diet and health goals. Students and instructors can trust the reliability of the ESHA database while interacting with a robust selection of reports. This tool is provided at no additional charge inside Connect for *Your Health Today*.

# Features of *Your Health Today*

**Action Skill-Builders** present manageable first steps in making meaningful behavior changes and show that a small change can make a big difference. Topics include moving toward healthier eating, getting a better night's sleep, overcoming barriers to physical activity, and discussing contraception.



**Consumer Clipboards** show students how to weigh information, evaluate product claims, and make savvy health-related choices in a world full of misinformation and gimmicks. Topics include getting the most out of menu labeling, evaluating online health information, and selecting a pair of running shoes.



**Public Health Is Personal** boxes highlight broader community factors that influence personal health. They ask students to consider how systemic factors and policies that might seem remote—free early childhood education, community-sponsored needle-exchange programs, or community walkability—can have a profound impact on individual health choices and priorities.



**Who's at Risk?** boxes highlight data that show inequities in health outcomes and trends among diverse groups of people: for example, causes of death by geographic region and race, drinking problems by gender, or illicit drug use by geographic region. Featuring graphs and visuals, these boxes invite students to consider and critically discuss systemic reasons for these trends.



**Life Stories** boxes feature lively and relatable stories that personalize chapter concepts and show how topics play out in real life. Among the topics covered are online genetic testing, unintended pregnancy, culture and eating habits, and sexual assault.



**Starting the Conversation** boxes are designed to invite meaningful classroom discussion. Each box poses a question, presents information to inform the discussion, and ends with two critical thinking questions. Topics in the eighth edition include the role of voting in affecting public policy, the reason asthma rates are rising, and proposals to lower the legal limit for driving under the influence.



**You Make the Call** features present the facts behind a contentious social issue, followed by the pros and cons of two opposing positions. Topics include health insurance access, marijuana legalization, vaccination requirements for college students, mandatory calorie counts on menus, and digital connectivity.



A **Personal Health Portfolio** activity accompanies each chapter and can be completed on paper or online. Each includes a self-assessment or journaling activity and self-reflection questions. Students explore their personal health strengths and challenges and reflect on how friends, family, culture, community, and policy influence their personal health decisions. Activities include developing a family health tree; monitoring sleep, food, and activity levels; and assessing personal levels of stress.

# Chapter-by-Chapter Changes—Informed by Student Data

Changes to the eighth edition include new research findings, updated statistics, and current hot topics that affect students' health choices and challenges. We have used inclusive language whenever possible. New pictures were added to chapters for relevance. Personal Health Portfolios were updated as necessary and remain as appendices at the end of chapters for convenient student access.

## Chapter 1: Self, Family, and Community

- Reorganized discussion of health equities and socioecological model. Heredity and creating a family health tree now make up the last section of the chapter.
- Updated discussion of population health and health equity, with international comparison.
- New discussion about a single-payer system for health care coverage.

## Chapter 2: Mental Health and Stress

- Updated references.
- Updated prevalence statistics about mental illness and health.
- Mention of ketamine as a potential treatment for anxiety disorders.
- New figure showing average stress levels in the United States in 2018.
- Added Web-based and virtual reality PTSD interventions.

## Chapter 3: Social Connections

- Updated references.
- New emphasis on the importance of social support.
- Expanded discussion of gender identities such as cisgender.
- New Action Skill-BUILDER box: Learning to be supportive of non-binary individuals.

## Chapter 4: Sleep

- New You Make the Call box on whether fatal or injurious accidents caused by sleep deprivation should be viewed as criminal acts in the judicial system.
- New Life Stories box on managing indoor and outdoor light for sleep.
- New Consumer Clipboard box on sleep-tracking apps.

- Added discussion of sleep and thyroid gland.
- Expanded Starting the Conversation box to address in more depth how caffeine crash affects students' academic work.

## Chapter 5: Nutrition

- New figure showing beverage nutrient ratings from the Beverage Guidance Panel.
- New Action Skill-BUILDER box on whether smoothies are really healthy.
- Added discussion of cell-cultured (plant-based) meat.
- New topic whether black pepper is healthy.
- New topic on gluten sensitivity's effects on the thyroid gland.
- New section on microwaving food and potential nutrient loss.
- New topic on the safety of professional/college concession food.
- New Starting the Conversation box on the future of food.

## Chapter 6: Fitness

- Added section on posterior muscle training to offset anterior/posterior muscle imbalance.
- Expanded discussion of neuromuscular fitness to explain slow, mindful movement.
- New Action Skill-BUILDER box on neuroplasticity training.
- New section on conscious movement, which combines t'ai chi and mindful exercise.
- New section on micro-workouts such as face gym, pump, and kegel.
- Extensive new section on the exercise recovery industry (e.g., float tanks and blood flushing).
- New Action Skill-BUILDER box on urine charts and hydration.
- New box on cold therapy for exercise recovery.
- New You Make the Call box on use of student fees to build elaborate campus recreation centers.

## Chapter 7: Body Weight and Body Composition

- Increased sensitivity to the role of language and bias in discussions of body composition.
- Updated and expanded discussion of the multifactorial effect of genes on body composition.

**xx Chapter-by-Chapter Changes—Informed by Student Data**

- Revised approach to types of diets that emphasize critical thinking about their characteristics and individual dieting goals.
- Increased emphasis on a holistic approach to body composition and health.
- New section on the role of gut microbiome and body composition.

**Chapter 8: Body Image**

- Continued focus on positive body image development and resiliency.
- Increased inclusion of gender identity and sexual identity formation.
- Updates on media role, incorporating social media and media literacy.
- Updated data on and discussion of body art and cosmetic surgery.

**Chapter 9: Alcohol and Tobacco**

- New section on safety of vaping.
- New section on pot-infused alcohol.
- Update on new alcohol fads, such as vodka eyeballing and vodka tampons.
- New section on whether Millennials and Generation Z are drinking less alcohol than previous generations.
- Update on law enforcement efforts to confront fake identification cards.

**Chapter 10: Drugs**

- Updated references and data.
- Updated information about uses of specific drugs.
- Description of use of ketamine for the treatment of depression.
- Updated and expanded You Make the Call box on marijuana legalization.

**Chapter 11: Sexual Health**

- New sections on intersex anatomy, orgasm gap, and sexual noncordance.
- A new Public Health Is Personal box on cybersexing as a public health issue.
- A new section on sex recission by Millennials and Generation Z.
- A new Action Skill-BUILDER box on dating apps and services as well as sexual predators.
- A new Starting the Conversation box on sex doll brothels.

**Chapter 12: Reproductive Choices**

- Reorganized presentation of contraceptives to emphasize long-acting reversible contraceptives.
- New Starting the Conversation box exploring access to reproductive health care.
- More inclusive language and data on sexual-minority and gender-minority reproductive health.
- New You Make the Call box exploring options to support early childhood development.

**Chapter 13: Infectious Diseases**

- New discussion of SARS-CoV2 and the COVID-19 disease pandemic.
- Updated Starting the Conversation box about influenza and COVID-19.
- Updated figure about the adult immunization schedule.
- Updated and expanded discussion of antibiotic resistance in both the chapter and the Public Health Is Personal box introducing the One Health model.
- Updated statistics and focus on prevention of HIV, including new sections on treatment as prevention (TasP), postexposure prophylaxis (PEP), and preexposure prophylaxis (PrEP).

**Chapter 14: Cardiovascular Disease, Diabetes, Chronic Lung Diseases, and Dementia**

- “Promoting Cardiovascular Health” focuses on the Life’s Simple 7, behaviors and factors that promote cardiovascular health.
- Updated data on and impact of chronic diseases.
- New section discussing dementia.

**Chapter 15: Cancer**

- Updated cancer diagnosis and death data.
- New Starting the Conversation box exploring the role of racism as it relates to cancer.

**Chapter 16: Injury and Violence**

- New section on electric scooter safety.
- New section on ride-sharing services and sexual assault.
- New Starting the Conversation box on whether the sexual assault investigation process is biased against men of color.
- More in-depth discussion of the moral and legal clarity of the #MeToo movement’s effects on sexual harassment.
- Updated discussion of children and vehicular heat stroke and the Hot Car Act.
- Revised personal health portfolio on injury.

 **connect** **Chapter 17: Complementary and Integrative Medicine**

- Revisions throughout to reflect the National Center for Complementary and Alternative Medicine's name change to the National Center for Complementary and Integrative Health.
- New You Make the Call box exploring whether the U.S. government should regulate drug prices.

 **connect** **Chapter 18: Environmental Issues**

- New You Make the Call box on whether plastic straws should be banned.
- Updated discussions of how ocean acidification and warming oceans affect sea life behavior and coral reef erosion.
- Updates on Trump administration's legislative actions on renewable and nonrenewable energy resources.

- Updated Personal Health Portfolio activity with more personal assessment instruments on carbon, water, and lifestyle footprints.
- New section on light pollution's effects on ecosystems and human biochemical rhythms, and how and why some communities are going dark.
- New in-depth discussion of climate change and wildfires, particularly pyro-C tornado vortex.
- Discussion of how climate change is affecting the polar vortex.
- New section on what the weather in U.S. towns will look like in 2080.
- More in-depth discussion of microplastic pollution in the world's oceans.
- Use of IPCC reports to update major environmental issues.

# Your Course, Your Way



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## Instructor Resources

Your Health Today offers an array of instructor resources for the personal health course:

**Instructor's manual.** The instructor's manual provides a wide variety of tools and resources for presenting the course, including learning objectives and ideas for lectures and discussions.

**Test bank.** By increasing the rigor of the test bank development process, McGraw-Hill has raised the bar for student assessment. Each question has been tagged for level of difficulty, Bloom's taxonomy, and topic coverage. Organized by chapter, the questions are designed to test factual, conceptual, and higher order thinking.

**Test Builder.** New to this edition and available within Connect, Test Builder is a cloud-based tool that enables instructors to format tests that can be printed and administered within a Learning Management System. Test Builder offers a modern, streamlined interface for easy content configuration that matches course needs, without requiring a download.

Test Builder enables instructors to:

- Access all test bank content from a particular title.
- Easily pinpoint the most relevant content through robust filtering options.
- Manipulate the order of questions or scramble questions and/or answers.
- Pin questions to a specific location within a test.
- Determine your preferred treatment of algorithmic questions.
- Choose the layout and spacing.
- Add instructions and configure default settings.

**PowerPoint.** The PowerPoint presentations highlight the key points of the chapter and include supporting visuals. All slides are WCAG compliant.

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# Self, Family, and Community

# 1



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## Ever Wonder...

- why it's so hard to break a bad habit?
- how much your parents' health predicts your own?
- how your neighborhood influences your health?