

# Advancing the Nation's Health: A Guide to Public Health Research Needs, 2006-2015

(*Research Guide*)

The table below highlights the research themes in the *Research Guide* specifically mentioning intervention, translation and dissemination. This is meant to serve as a helpful resource, and does not exclude other research themes from being expanded to address these concepts. Please visit <http://www.cdc.gov/od/science/PHResearch/cdcr/AdvancingTheNationsHealth.pdf> for the complete *Research Guide*.

<i>Research Theme</i>	Intervention	Translation	Dissemination
<b>PREVENT AND CONTROL INFECTIOUS DISEASES</b>			
<b><i>A. Emerging and Re-emerging Infectious Diseases</i></b>			
1. Antimicrobial Resistance (p.18)	√		
3. Emerging Infections and New Prevention Technologies (p.19)	√		
5. Zoonotic and Vectorborne Diseases (ZVBDs) (p.21)	√		
<b><i>B. Pandemic and Seasonal Influenza</i></b>			
1. Pandemic and Seasonal Influenza (p.22)	√		
<b><i>C. Infectious Disease Surveillance and Response</i></b>			
2. Infectious Disease Surveillance and Response (p.23)	√		
3. Pharmacoepidemiology of Infectious and Other Disease Therapy (p.24)	√		
4. Infectious Disease Elimination (p.24)	√		
<b><i>D. Vaccines and Immunization Programs</i></b>			
1. Immunization Services Delivery Research (p.25)	√		√
<b><i>E. Behavioral, Social, and Economic Research in Infectious Diseases</i></b>			
1. Behavioral and Prevention Research to Promote Health (p.27)	√	√	√

<b>Research Theme</b>	<b>Intervention</b>	<b>Translation</b>	<b>Dissemination</b>
2. Economic Analyses of Infectious Diseases (p.28)	√		
<b>F. Host-Agent Interactions</b>			
2. Infectious Disease and Chronic Disease Associations (p.29)	√		
<b>G. Special Populations and Infectious Diseases</b>			
2. Infectious Diseases Among Populations at High Risk (p.30)	√		
<b>PROMOTE PREPAREDNESS TO PROTECT HEALTH</b>			
<b>A. Vulnerable Communities and Populations</b>			
2. Risk Appraisal and Adaptive Behavior During a Public Health Emergency (p.36)	√		
<b>B. Infrastructure and Prevention</b>			
2. Public Health and Clinical Response Systems (p.38)	√		
3. Human Migration, Mobility and Quarantine Issues Associated with Public Health Emergencies (p.39)	√		
<b>E. Communications</b>			
1. Risk Communication and Information Dissemination (p.43)	√		√
<b>PROMOTE HEALTH TO REDUCE CHRONIC DISEASES AND DISABILITY</b>			
<b>A. Health Across the Lifespan</b>			
1. Implement Effective Health Promotion Strategies (p.48)			√
3. Reduce Disparity in Chronic Disease Burden and Risk Factors (p.49)	√		
<b>B. Infant and Maternal Health</b>			
2. Conditions Associated with Hereditary Birth Defects and Blood Disorders (p.50)	√		
3. Healthy Birth Outcomes (p.51)	√		

<b>Research Theme</b>	<b>Intervention</b>	<b>Translation</b>	<b>Dissemination</b>
<b>C. Health and Development of Children and Adolescents</b>			
1. Optimal Child Development (p.52)	√	√	√
2. Optimal Adolescent Development (p.52)	√		√
<b>D. Adult and Older Adult Health</b>			
1. Reduce the Burden of, Disparities in, and Risk Factors for Chronic Diseases Among Adults (p.53)	√		√
2. Reduce the Burden of, Disparities in, and Risk Factors for Chronic Diseases Among Older Adults (p.53)	√		
<b>E. Health Among Persons with Disabilities</b>			
2. Early Identification of Developmental Disabilities (p.55)	√		
3. Health Among Infants, Children, and Adolescents with Disabilities (p.55)	√		
<b>CREATE SAFER AND HEALTHIER PLACES</b>			
<b>A. Environmental Health</b>			
4. Environmental Health Interventions (p.61)	√		
5. Lead Exposure and Health (p.61)	√		
<b>B. Occupational Safety and Health</b>			
1. Fatal and Nonfatal Injuries at the Workplace (p.63)	√		
3. Occupational Musculoskeletal Disorders (MSDs) (p.63)	√		
5. Organization of Work (p.64)	√		
6. Emerging Workplace Hazards (p.64)	√		
<b>C. Injury and Violence</b>			
1. Injury and Violence Prevention Interventions	√		

<b>Research Theme</b>	<b>Intervention</b>	<b>Translation</b>	<b>Dissemination</b>
(p.65)			
2. Risk and Protective Factors for Unintentional Injury (p.66)	√		
5. Connection Among Multiple Forms of Violence (p.66)	√		
<b>WORK TOGETHER TO BUILD A HEALTHY WORLD</b>			
<b>A. Supporting Goals for Global Health</b>			
1. Global Mortality Among Mothers and Young Children (p.72)	√		
2. Immunization to Eliminate and Protect Against Global Diseases (p.73)	√		
3. Global Micronutrient Malnutrition (p.73)	√		
4. Global Efforts Regarding Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome (HIV/AIDS), Tuberculosis (TB), and Sexually Transmitted Diseases (STDs) (p.73)	√		
5. Global Water Safety (p.73)	√		
<b>B. Disease and Injury Prevention and Control in Global Settings</b>			
1. Global Infectious Diseases (p.74)	√		
2. Global Burden of Non-communicable Diseases (p.75)	√		
3. Global Burden of Injuries (p.75)	√		
4. Global Occupational Health (p.75)	√		
<b>C. Health of Vulnerable Populations in Global Settings</b>			
2. Public Health Consequences of Exploitation of Women and Children in Global Settings (p.77)	√		

<b>Research Theme</b>	<b>Intervention</b>	<b>Translation</b>	<b>Dissemination</b>
3. Orphans and Other Vulnerable Children in Global Settings (p.77)	√		
<b>E. Tools for Global Public Health</b>			
2. Health Marketing and Health Education in Global Settings (p.79)			√
3. Evaluation of the Effectiveness of Global Health Interventions (p.80)	√		
<b>MANAGE AND MARKET HEALTH INFORMATION</b>			
<b>B. Public Health Informatics</b>			
3. Communications and Alerting Technologies (p.89)			√
5. Electronic Health Records (p.89)		√	
<b>C. Health Marketing</b>			
1. Informed Consumer Health Choices (p.91)	√		
2. Integrated Health Marketing Programs (p.91)		√	√
3. Health Awareness to Health Action (p.92)	√		
7. Emergency and Risk Communication (p. 93)		√	√
<b>PROMOTE CROSS-CUTTING PUBLIC HEALTH RESEARCH</b>			
<b>A. Social Determinants of Health and Health Disparities</b>			
2. Social Determinants of Health (p.101)	√		√
3. Health Disparities Prevention and Elimination (p. 101)	√		√
<b>D. Public Health Science, Policy, and Practice</b>			
1. Intervention and Translational Research (p.106)	√	√	√
2. Social, Anthropological, and Behavioral Sciences in Public Health (p.106)	√	√	

<b>Research Theme</b>	<b>Intervention</b>	<b>Translation</b>	<b>Dissemination</b>
3. Health and Well-Being Across Diverse Community Settings (p.106)	√		
4. Economics and Public Health (p.107)	√		
5. Community-Based Participatory Research (CBPR) (p.107)	√	√	√
6. Public Health Evaluation Research (p.107)	√		
7. Use and Allocation of Pharmaceuticals and Other Medical Interventions (p.108)	√		
8. Complementary and Alternative Medicine (CAM) (p.108)		√	√
<b>E. Public Health Education and Promotion</b>			
1. Public Health Education Research (p.109)		√	
<b>F. Human Genomics and Public Health</b>			
1. Genomics Bridge Between Preventive Medicine and Public Health Research (p.110)	√		
<b>H. Law, Policy, and Ethics</b>			
1. Public Health Policy and Law (p.113)	√	√	
2. Ethics in Public Health (p.114)		√	