

## Core Public Health Competency Set

### Prepare Iowa Learning Management System

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The Core Public Health Competency set was developed by the University of Illinois at Chicago. This set is general in nature and can be used by any public health worker.

The premise for these competency statements came from the Council on Linkages competencies. There are 9 domains (roles) and a total of 61 competency statements in this set with an average of 8 competencies/domain.

### Community Health Improvement (n=7)

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#### Competencies

Name	Description
421 What Public Health Assessment Is	Describe assessment in public health, including its unique and important features and their role in it, to general audiences.
422 Measuring Population Health	Obtain, apply, and interpret measures of population health status that are commonly used in community health improvement processes.
423 Assessing Communities	Obtain, apply, and interpret measures of community capacity that are commonly used in community health improvement processes.
424 Assessing Risk and Protective Factors	Obtain, apply, and interpret measures of risk and protective factors for population health, including the use of health services, that are commonly used in community health improvement processes.
425 Analyzing Causal Pathways	Develop and apply a logic model demonstrating interrelationships among risk and protective factors for population health that are commonly used in community health improvement processes.
426 Designing Population Health Studies	Describe and apply research study designs commonly used in community health improvement processes.
427 Community Engagement	Identify and apply principles for community engagement and participation in community health improvement processes.

## Environmental Health (n=7)

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### Competencies

Name	Description
471 What Environmental Health Is	Recognize environmental health issues in the community and identify government and community organizations that are resources on environmental health issues.
472 Human Health Effects of Exposures	Recognize human health effects of environmental exposures in the community and identify government and community organizations that are resources.
473 Source and Exposure Assessment	Apply principles and tools of environmental risk assessment in completing a comprehensive quantitative risk assessment of potentially hazardous environmental and workplace settings.
474 Qualitative Risk Assessment	Apply principles and tools of environmental risk assessment in completing a comprehensive qualitative risk assessment, including onsite evaluations, of potentially hazardous environmental and workplace settings.
475 Environmental Health Risk Communication	Apply principles and tools of effective risk communication in addressing community concerns about environmental hazards.
476 Quantitative Exposure Assessment	Apply principles and tools of quantitative exposure assessment in addressing community concerns about environmental hazards.
477 Environmental Prevention and Control	Apply principles and tools of environmental prevention and control program development in addressing community concerns about environmental hazards.

## Infectious Disease Preparedness (n=6)

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### Competencies

Name	Description
501 What Infectious	Describe infectious disease prevention and control, including its unique

Disease Preparedness Is	characteristics and relevance to population health and their role in it, to general audiences.
502 Vaccine Preventable Infectious Diseases	Apply principles and tools of infectious disease control to vaccine preventable infectious diseases.
503 Smallpox Preparedness	Identify smallpox infections from signs, clinical history and other evidence, and collect timely data for prevention and control of an outbreak.
504 Anthrax Preparedness	Identify anthrax infections from signs, clinical history and other evidence, and collect timely data for prevention and control of an outbreak.
505 Other Bioterrorism Agents	Identifying infectious from Category A, B, and C biological agents (other than smallpox and anthrax) from signs, clinical history and other evidence, and collect timely data for prevention and control of an outbreak.
506 Emerging Infectious Diseases	Identifying emerging infections from signs, clinical history and other evidence, and collect timely data for prevention and control of an outbreak.

## Policy Development, Advocacy, and Public Health Law (n=7)

### Competencies

Name	Description
431 What Public Health Advocacy & Policy Dev. Is	Describe advocacy and policy development in public health, including its unique and important features and their role in it, to general audiences.
432 Context and Process	Identify and apply theories and approaches that drive public health policymaking for important public health issues.
433 Agenda Setting	Apply advocacy and agenda setting principles to formulate public health policy.
434 Legislative Process	Apply legislative processes to formulate public health policy.
435 Regulatory Process	Apply regulatory processes to implement public health policy.
436 Operational Policies	Apply operational processes to implement public health policy.
437 Evaluating and Modifying Policy	Evaluate public health policy outcomes and processes.

## Program Development and Evaluation (n=7)

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### Competencies

Name	Description
441 What Program Development & Evaluation is	Describe program development and evaluation in public health, including its unique and important features and their role in it, to general audiences.
442 Health Program Planning	Plan a public health program.
443 Health Program Development	Develop a public health program.
444 Health Program Implementation	Implement a public health program.
445 Outcome Evaluation	Evaluate a public health program.
446 Outcome and Cost Evaluation	Evaluate outcome and cost implications of public health programs.
447 Evidence Based Decisions	Evaluate the impact of public health programs on different populations and cultures and use data to make evidence based program decisions.

## Public Health Administration (n=7)

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### Competencies

Name	Description
451 What Public Health Administration Is	Describe what public health administration is, including how public health responsibilities are assigned to and carried out by various public and private organizations, to general audiences.
452 Public Health Organizations	Analyze the fundamental structure and operation of public health organizations, including their workforce, by applying principles of public health law and ethics.
453 Informational Management	Identify and address problems and challenges facing public health law and ethics by applying principles of public health information systems.

454 Community Applications	Identify and address community health problems by applying principles of public health information systems.
455 Resource Management	Identify and address problems and challenges facing public health organizations by applying principles and tools of resource management, including human and financial resource management.
456 Communication and Marketing	Identify and address problems and challenges facing public health organizations by applying principles of effective communications and marketing.
457 Leadership	Create a shared vision within a public health organization and foster partnerships that maximize achievement of public health goals by applying principles of effective leadership.

## Public Health Emergency Preparedness and Response (n=7)

### Competencies

Name	Description
461 What Emergency Preparedness and Response Is	Describe public health's role and their specific role in emergency and disaster preparedness and response activities.
462 Bioterrorism-related Preparedness & Response	Participate in bioterrorism-related public health preparedness and response activities.
463 Emergency Response & Disaster Planning	Plan for disasters and public health emergencies, including bioterrorism events and threats.
464 Emergency Response & Disaster Management	Apply principles and tools of emergency and disaster response management to public health emergencies, including bioterrorism events and threats.
465 Assessment & Surveillance in Public Health Emergencies	Apply principles and tools of surveillance and assessment to public health emergencies, including bioterrorism events and threats.
466 Recovery & Evaluation	Apply principles and tools of recovery, reconstruction and evaluation to public health emergencies, including bioterrorism events and threats.
467 Risk Communication	Apply risk communication principles and tools to public health emergencies, including bioterrorism events and threats.

## Public Health System (n=7)

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### Competencies

Name	Description
411 What Public Health Is	Describe public health as a system, including its unique and important features and their role in it, to general audiences.
412 Measuring Health	Apply measures of population health and illness, including risk factors, in community health improvement initiatives.
413 Population Based Prevention	Identify and distinguish public health and prevention strategies from curative strategies for prevalent health problems.
414 Governmental Public Health	Describe the role of law and government in promoting and protecting the health of the public and identify specific functions and roles of governmental public health agencies in assuring population health.
415 Core Functions and EPHS	Identify and explain how various organizations, positions and roles contribute to carrying out public health's core functions and essential services.
416 Public Health Infrastructure	Identify, measure, and assess the components of the public health infrastructure.
417 Public Health Interventions	Apply principles derived from the basic public health sciences to planning, implementing and evaluating public health interventions.