

OHSU Student Learning Outcomes Report

OHSU		
School of Public Health	Biostatistics (BCRT-BIOS)	N
Competency	Student Learning Outcome	OHSU
Communication	Interpret and summarize analysis results in research reports and papers and communicate them to individu with varying degrees of statistical knowledge.	Jals
Evidence-Based Practice	Interpret and summarize analysis results in research reports and papers and communicate them to individu with varying degrees of statistical knowledge.	Jals
Lifelong Learning	Conduct analysis for one's own research projects or provide support to collaborative research teams.	
Professional Knowledge	Perform a broad range of basic and intermediate level applied statistical procedures that are required in basic, clinical, population and translational sciences.	
Professionalism And Ethics	Conduct analysis for one's own research projects or provide support to collaborative research teams.	
Reasoning and Judgement	Conduct analysis for one's own research projects or provide support to collaborative research teams.	
Safety And Quality Improvement	Interpret and summarize analysis results in research reports and papers and communicate them to individu with varying degrees of statistical knowledge.	Jals

School of Public Health	Biostatistics (BCRT-BIOS)	R
Competency	Student Learning Outcome	OHSU
Systems	Interpret and summarize analysis results in research reports and papers and communicate them to individually with varying degrees of statistical knowledge.	uals
Teamwork	Conduct analysis for one's own research projects or provide support to collaborative research teams.	
Communication	Interpret and summarize results and communicate them to lay and professional audiences, in the context proper health principles and concepts.	of
Evidence-Based Practice	Apply appropriate principles of research design and population-based concepts to assess health problem	ns.
Lifelong Learning	Apply descriptive and inferential statistical methods that are appropriate to the different study designs of public health research.	
Professional Knowledge	Apply appropriate descriptive and inferential statistical methods to analyze risk determinants of disease ar health conditions.	nd
Professionalism And Ethics	Apply basic ethical principles pertaining to the collection, maintenance, use, and dissemination of public health data.	
Reasoning and Judgement	Evaluate strengths and weaknesses of alternative research designs and analytic methods, and critically re and assess analysis presented in public health literatuare.	eview

School of Public Health	Biostatistics (MPH-BIOS)	D
Competency	Student Learning Outcome	OHSU
Safety And Quality Improvement	Evaluate strenghts and weaknesses of alternative research designs and analytic methods, and critically re and assess analysis presented in public health literatuare.	view
Systems	Apply basic ethical principles pertaining to the collection, maintenance, use, and dissemination of public health data.	
Teamwork	Identify cultural dimensions of conducting research, including culturally sensitive recruitment of study participants, and develop strategies for interpretation of data in the larger cultural context.	
Communication	Communicate statistical methods and findings clearly and unambiguously to specialist and non-specialsts audiences.	
Evidence-Based Practice	Select and use appropriate statistical analysis software for assessment, decision- making and information-sharing (e.g., Stata, SAS, R or other special programs).	
Lifelong Learning	Apply intermediate to advanced biostatistical theory and techniques to design, plan and manage data collection to conduct analysis for own research projects or support collaborative research teams.	
Professional Knowledge	Apply intermediate to advanced biostatistical theory and techniques to design, plan and manage data collection to conduct analysis for own research projects or support collaborative research teams.	
Professionalism And Ethics	Apply intermediate to advanced biostatistical theory and techniques to design, plan, and manage data collection to conduct analysis for own research projects or support collaborative research teams.	

School of Public Health	Biostatistics (MS-BIOS)	R
Competency	Student Learning Outcome	OHSU
Professionalism And Ethics	Apply intermediate to advanced biostatistical theory and techniques to design, plan and manage data collection to conduct analysis for own research projects or support collaborative research teams.	
Reasoning and Judgement	Translate broad research goals into specifications and procedures for statistical analysis and interpretation results in basic, clinical, translational and public health research studies.	n of
Safety And Quality Improvement	Select and use appropriate statistical analysis for assessment, decision-making and information-sharing (e. Stata, SAS, R or other special programs).	g.,
Systems	Apply intermediate to advanced biostatistical theory and techniques to design, plan and manage data collection to conduct analysis for own research projects or support collaborative research teams.	
Communication	Identify gaps in the field of Community Health by critically analyzing relevant peer-reviewed literature.	
	Effectively disseminate community health knowledge and research findings to public, professional, and studiences using multiple modes of communication.	udent
Evidence-Based Practice	Utilize pertinent research design, analytic methods, and interpretation of results to address timely research questions in the field of Community Health.	
Lifelong Learning	Demonstrate ethical conduct and cultural competence in research design, analysis, dissemination, and co	ritique

School of Public Health	Community Health (PHD-CMHL)	R
Competency	Student Learning Outcome	OHSU
Professional Knowledge	Identify knowledge gaps in the field of community health by critically analyzing relevant peer-reviewed literature.	
	Apply appropriate theoretical frameworks to topics relevant to the field of community health, including pedagogical theory in the context of teaching.	
Professionalism And Ethics	Demonstrate ethical conduct and cultural competence in research design, analysis, dissemination, and c	ritique
Reasoning and Judgement	Utilize pertinent research design, analytic methods, and interpretation of results to address timely research questions in the field of Community Health.	I
Safety And Quality Improvement	Demonstrate ethical conduct and cultural competence in research design, analysis, dissemination, and c	ritique
Systems	Evaluate the impact of social, cultural, and contextual factors on health outcomes.	
Teamwork	Effectively disseminate community health knowledge and research findings to public, professional, and straudiences using multiple modes of communication.	udent
Communication	Explain the general mechanisms of toxicity in eliciting a human health effect in response to various environmental and occupational exposures.	
	Communicate the relationship between environmental systems and human health, particularly in response changing climate.	e to a

School of Public Health	Environmental Sys Human Hlth (MPH-ESHH)	2
Competency	Student Learning Outcome	OHSU
Evidence-Based Practice	Evaulate the risk of environmental exposures to human populations through the incorporation of exposure, toxicological, and other relevant data into risk assessment methodology.	
Lifelong Learning	Integrate, synthesize, and apply theory to practice in the context of a research study, policy consequences environmental exposure.	, or
Professional Knowledge	Assess and interpret relevant literature in the area of public health and environmental hazards.	
	Specify approaches for assessing, preventing and controlling environmental and occupational hazards tha pose risks to human health and safety.	†
Professionalism And Ethics	Apply ethical principles that govern the practice of environmental risk assessment, management, and communication.	
Reasoning and Judgement	Analyze how environmental hazards (chemical, physical and biological) interact with natural and built syste including the mechanisms of their adverse effects on humans.	÷ms,
Safety And Quality Improvement	Evaluate the risk of environmental exposures to human populations through the incorporation of exposure, toxicological, and other relevant data into risk assessment methodology.	
Systems	Discuss how federal and state regulatory programs, guidelines, and authorities impact environmental and occupational health issues.	

School of Public Health	Environmental Sys Human Hlth (MPH-ESHH)	R
Competency	Student Learning Outcome	OHSU
Teamwork	Specify approaches for assessing, preventing, and controlling environmental and occupational hazards the pose risks to human health and safety.	at
Communication	Communicate public health principles and concepts through various strategies across multiple sectors of t community.	he
Evidence-Based Practice	Apply evidence-based knowledge of health determinants to public health issues.	
Lifelong Learning	Apply population-based concepts of epidemiiology and risk determination to the assessment of health problems.	
Professional Knowledge	Integrate and apply relevant literature in epidemiology to public health issues and policy.	
	Apply and interpret a variety of statistical methods commonly used in medical and public health research.	•
Professionalism And Ethics	Identify ethical principles in problems that arise in public health policy decisions.	
Reasoning and Judgement	Propose and test a research hypothesis.	
Safety And Quality Improvement	Apply evidence-based knowledge of health determinants to public health issues.	

School of Public Health	Epidemiology (MPH-EPI)	2
Competency	Student Learning Outcome	OHSU
Systems	Identify ethical principles in problems that arise in public health policy decisions.	
Teamwork	Apply knowledge of cultural dimensions in conducting research, including culturally sensitive recruitment study participants, and develop strategies for interpretation of data in the larger cultural context.	of
Communication	Demonstrate excellent verbal and communication skills in teaching epidemiologic principles and concepappropriate levels to different audiences.	ots at
Evidence-Based Practice	Formulate a testable hypothesis and propose a related study design and analytic approach that have th potential for advancing knowledge of the determinants of health and disease.	ıe
Lifelong Learning	Evaluate scientific, cultural, and political issues on epidemiologic research, including research goals, recruitment of study participants, and communication of results in the appropriate contexts.	
Professional Knowledge	Apply methods for collecting, evaluating, and synthesizing existing evidence of health determinants to research on public health problems.	
	Apply population-based concepts of chronic and infectious disease epidemiology within appropriate biological, pathophysiological, social, and community contexts.	
Professionalism And Ethics	Apply ethical principles to problems that arise in epidemiologic research and practice.	

School of Public Health	Epidemiology (PHD-EPI)	2
Competency	Student Learning Outcome	OHSU
Reasoning and Judgement	Formulate a testable hypothesis and propose a related study design and analytic approach that have potential for advancing knowledge of the determinants of health and disease.	
Safety And Quality Improvement	Apply appropriate data quality assurance and statistical methods for the research questions and study de used in epidemiologic research.	signs
Systems	Formulate a testable hypothesis and propose a related study design and analytic approach that have the potential for advancing knowledge of the determinants of health and disease.	,
Teamwork	Evaluate scientific, cultural, and political issues on epidemiologic research, including research goals, recruitment of study participants, and communication of results in the appropriate contexts.	
Communication	Design and deliver communication materials supporting the practice of health services leadership, management, and policy.	
Evidence-Based Practice	Select and employ appropriate qualitative and quantitative techniques to evaluate and manage health system performance.	
Lifelong Learning	Evaluate evidence-based public health policy and health systems transformation strategies to identify emerging issues in health systems and policy.	
	Demonstrate critical and self-reflective thinking in the practice of health management and policy.	

School of Public Health	Health Management and Policy (MPH-HMP)	Di
Competency	Student Learning Outcome	OHSU
Professional Knowledge	Apply theory in the development, implementation and evaluation of solutions to challenges in health management and policy.	
	Apply policy process knowledge and techniques to support development and implementation of health p	policy.
	Select and employ appropriate qualitative and quantitative techniques to evaluate and manage health system performance.	
Professionalism And Ethics	Apply ethical principles and behaviors that govern the practice of health management and policy.	
Reasoning and Judgement	Apply ethical principles and behaviors that govern the practice of health management and policy.	
Safety And Quality Improvement	Demonstrate critical and self-reflective thinking in the practice of health management and policy.	
Systems	Design and implement processes to assess and improve organizational and system performance.	
Teamwork	Represent cultural competency with diverse cultures and communities in the practice of health manager and policy.	nent
Communication	Design and deliver health communication messages.	

School of Public Health	Health Promotion (MPH-HP)	6
Competency	Student Learning Outcome	OH
Communication	Solicit and integrate input from community and organization stakeholders.	
Evidence-Based Practice	Evaluate and interpret results from program evaluations and other research.	
Lifelong Learning	Demonstrate cultural competency in health promotion among all social and cultural communities.	
Professional Knowledge	Define health problems, frame hypotheses, design research procedures, and outline methods of analysis.	
	Design and implement strategies to promote health.	
	Apply theory in the development, implementation, and evaluation of health promotion interventions, programs, and policies.	
Professionalism And Ethics	Apply ethical principles that govern the practice of public health promotion.	
Reasoning and Judgement	Develop interventions and programs to effect change at multiple levels, including individual, community, organization, and policy.	
Safety And Quality Improvement	Evaluate and interpret results from program evaluations and other research.	

School of Public Health	Health Promotion (MPH-HP)	1)
Competency	Student Learning Outcome	OHSU
Systems	Develop interventions and programs to effect change at multiple levels, incuding individual, communty, organization, and policy.	
Teamwork	Solicit and integrate input from community and organization stakeholders.	
Communication	Enact cultural competence and promote diversity in health science research and practice.	
Evidence-Based Practice	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	of
Lifelong Learning	Integrate safe exercise techniques and evidence-based strategies to promote health in research and appli settings	ied
Professional Knowledge	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	of
Professionalism And Ethics	Enact cultural competence and promote diversity in health science research and practice.	
Reasoning and Judgement	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	of
Safety And Quality Improvement	Integrate safe exercise techniques and evidence-based strategies to promote health in research and appli settings	ied

School of Public Health	Health Studies (MA-HS)	0
Competency	Student Learning Outcome	OHSU
Systems	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	
Teamwork	Enact cultural competence and promote diversity in health science research and practice.	
Communication	Enact cultural competence and promote diversity in health science research and practice.	
Evidence-Based Practice	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	;
Lifelong Learning	Integrate safe exercise techniques and evidence-based strategies to promote health in research and applie settings	∍d
Professional Knowledge	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	î
Professionalism And Ethics	Enact cultural competence and promote diversity in health science research and practice.	
Reasoning and Judgement	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	;
Safety And Quality Improvement	Integrate safe exercise techniques and evidence-based strategies to promote health in research and applie settings	∍d

School of Public Health	Health Studies (MS-HS)	
Competency	Student Learning Outcome	OHSU
Systems	Demonstrate competence in the design, implementation, ethical conduct, interpretation, and evaluation of health sciences research	f
Teamwork	Enact cultural competence and promote diversity in health science research and practice.	
Communication	Create and deliver effective presentations of scholarly activities to academic and lay audiences. TRUE	
	Conduct an independent study that demonstrates synthesis of knowledge and application of research skills.	,
Evidence-Based Practice	Formulate a testable research question and propose a relevant study design and analytic approach that he the potential to advance knowledge of health systems and policy.	SC
Lifelong Learning	Evaluate evidence-based public health policy and health systems transformation strategies to identify emerging issues in health systems and policy.	
Professional Knowledge	Conduct an independent study that demonstrates synthesis of knowledge and application of research skills.	,
	Select and apply appropriate qualitative and quantitative research techniques to identify strategies to improve health system effectiveness.	
	Apply relevant theories and frameworks to issues pertaining to health systems and policies.	

School of Public Health	Health Systems Policy (PHD-HSP)	1
Competency	Student Learning Outcome	OHSU
Professionalism And Ethics	Apply principles of ethics and cultural competence when conducting health systems and policy research education.	and
Reasoning and Judgement	Select and apply appropriate qualitative and quantitative research techniques to identify strategies to improve health system effectiveness.	
Safety And Quality Improvement	Evaluate evidence-based public health policy and health systems transformation to identify emerging issu health systems and policy.	ies in
Systems	Apply relevant theories and frameworks to issues pertaining to health systems and policies.	
Teamwork	Evaluate evidence-based public health policy and health systems transformation strategies to identify emerging issues in health systems and policy.	
Communication	Communicate theoretical principles, constructs, and models used to understand and affect the behavior aspects of health.	al
Evidence-Based Practice	Use principles of statistical inference for critical reading and interpretation of reports of statistical analysis of public health problems.	and of
Lifelong Learning	Apply epidemiologic methods to identify patterns of disease and injury.	
Professional Knowledge	Apply epidemiologic methods to identify patterns of disease and injury.	

School of Public Health	Public Health (BCRT-PBHL)	R
Competency	Student Learning Outcome	OHSU
Professionalism And Ethics	Communicate theoretical principles, constructs, and models used to understand and affect the behavior aspects of health.	al
Safety And Quality Improvement	Identify and analyze major issues in health services and systems associated with the delivery, quality, and of health care.	costs
Systems	Identify and analyze major issues in health services and systems associated with the delivery, quality, and of health care.	costs
Teamwork	Identify and analyze major issues in health services and systems associated with the delivery, quality, and of health care.	costs
Communication	Lead and participate in interprofessional efforts to address health inequities with community partners.	
Evidence-Based Practice	Conduct, participate in, or apply research which improves the health of a population.	
Lifelong Learning	Assess and integrate cultural beliefs and practices into public health interventions.	
Professional Knowledge	Assess, analyze, and synthesize the health status of vulnerable populations.	
	Employ techniques to manage human, fiscal, and other public health resources.	

School of Public Health	Public Health Practice (MPH-PHP)	R
Competency	Student Learning Outcome	OHSU
Professional Knowledge	Demonstrate basic skills in the development of a grant proposal.	
	Conduct, participate in or apply research which improves the health of a population.	
	Identify, develop and manage interventions to promote and protect the health of populations at risk.	
Professionalism And Ethics	Assess and integrate cultural beliefs and practices into public health interventions.	
Reasoning and Judgement	Apply program planning and quality improvement principles in the development, management and/or evaluation of population health services.	
Safety And Quality Improvement	Apply program planning and quality improvement principles in the development, management, and/or evaluation of population health services.	
Systems	Develop and plan interventions utilizing principles of health systems organization and health care finance address health disparities.	to :
Teamwork	Lead and participate in inter-professional efforts to address health inequities with community partners.	