

Climate Health Curriculum Tool (CHCT)

UME Competencies		Course Name									
Name of Person Completing Form:											
Title/Role:											
Curriculum Year:											
Institution:											
Date Completed:											
Domains	Objectives										
Patient Care	1.1 Gather an environmental history to identify a patient's climate-related exposures, vulnerabilities, and relevant social determinants of health (e.g., housing instability, occupational exposures, access to cooling or clean air).										
	1.2 Assess factors that increase vulnerability to climate-sensitive conditions and manage them by interpreting diagnostic results in the context of climate-related exposures.										
	1.3 Develop and implement patient care plans that integrate climate-health evidence, patient vulnerability, and resilience strategies (e.g., developing asthma action plans that account for wildfire smoke; adapting medication management for heat).										
	1.4 Counsel and educate patients, families, and caregivers on protective measures to reduce climate-related health risks, fostering shared decision-making.										
	1.5 Refer patients to appropriate climate-sensitive services (e.g., environmental health specialists, social services, disaster preparedness resources) and ensure continuity of care.										
	1.6 Apply principles of evidence-based medicine to reduce low-value care and implement strategies that minimize the environmental impact of clinical practice, such as prioritizing prevention.										
	1.7 Counsel patients on individual actions that have co-benefits for personal health and the environment (e.g., active transport, plant-forward diets).										
Knowledge for Practice	2.1 Appraise the relevance of climate change models to projected health outcomes.										
	2.2 Explain the direct and indirect mechanisms and clinical manifestations of climate-sensitive communicable and non-communicable diseases.										
	2.3 Describe the effects of climate change on medication efficacy, safety, and supply chains.										
	2.4 Analyze the health impacts of climate change on food systems and nutrition, and identify dietary patterns that promote human and planetary health.										
	2.5 Describe the impact of climate-related disasters on health through various pathways, including disruptions to infrastructure.										
	2.6 Assess the healthcare sector's role in both contributing to and mitigating climate change.										
	2.7 Illustrate the relationship between climate change, environmental justice, and health disparities.										
	2.8 Apply diverse frameworks (e.g., Indigenous knowledge, One Health, Planetary Health) in understanding environmental change and promoting health resilience.										
	2.9 Identify the mental health consequences of climate change and ecological distress, particularly for vulnerable populations like individuals displaced by climate-related events.										

Practice-Based Learning and Improvement	3.1	Identify personal and system-level knowledge gaps related to climate's impact on health, and develop strategies to address them.																			
	3.2	Apply evidence to integrate environmental sustainability as a key domain of high-value care.																			
	3.3	Apply a climate-health and sustainability lens to quality improvement initiatives.																			
	3.4	Critically appraise scientific literature using a climate-health and sustainability lens to inform evidence-based clinical decision-making.																			
	3.5	In one's own community of practice, identify local climate-related exposures, anticipate their health impacts, and propose strategies for health promotion and harm mitigation.																			
	3.6	Engage in self-reflection practices and structured self-assessment to improve patient-centered clinical decisions and address climate-related health disparities.																			
	3.7	Appraise new and emerging technologies by weighing their clinical efficacy against their environmental impact.																			
Interpersonal and Communication Skills	4.1	Practice non-judgmental, respectful listening during conversations about climate change with patients, colleagues, and community members.																			
	4.2	Identify common barriers to effective climate change communication (e.g., skepticism, despair, low scientific literacy, misinformation).																			
	4.3	Identify key stakeholders for collaboration on climate and health initiatives (e.g., healthcare administrators, community leaders, public health officials).																			
	4.4	Develop tailored, multimodal communication strategies to engage diverse stakeholders in addressing the health impacts of climate change.																			
	4.5	Facilitate a collaborative, interprofessional approach to climate-health and sustainability projects to ensure broad engagement in their development, implementation, and adoption.																			
	4.6	Integrate patient values and lived experiences into patient-centered climate health discussions to support shared decision-making.																			
Systems-Based Practice	5.1	Analyze how human health is interconnected with global ecological systems and processes (e.g., biodiversity loss, pollution, climate change).																			
	5.2	Apply knowledge of social, environmental, and structural determinants of health to optimize high-quality, coordinated care that considers patient, population, and planetary health.																			
	5.3	Apply knowledge of social, environmental, and structural determinants of health to design interventions that reduce health disparities and build resilience to climate-related threats.																			
	5.4	Identify opportunities for quality improvement that simultaneously enhance patient safety and optimize financial, social, and environmental outcomes.																			
	5.5	Work in interprofessional and transdisciplinary teams to improve patient care quality by integrating principles of environmental sustainability and climate-aware practice.																			
	5.6	Contribute to health system efforts that minimize the healthcare sector's ecological footprint and support community-based climate adaptation and mitigation.																			
	5.7	Summarize how healthcare facility preparedness for climate-related weather extremes improves patient outcomes and contributes to community health resilience.																			
Professionalism	6.1	Cultivate a curious and compassionate mindset to foster connection through fact-based, civil discourse on climate-health.																			
	6.2	Engage in lifelong learning to manage the personal and professional challenges of climate-health, using tools that promote reflection and resilience.																			
	6.3	Collaborate respectfully with interprofessional teams to promote quality improvements and advocate for policies that address climate-related health challenges.																			
	6.4	Demonstrate professional skills and attributes (e.g., humility, dependability, accountability) when engaging in community and public health initiatives that promote climate resilience and environmental justice.																			
	6.5	Identify opportunities for advocacy in climate change mitigation and adaptation within local institutions and professional organizations.																			
	6.6	Model climate-informed, equitable, and environmentally responsible medical practice.																			