

Overview of Course for Physicians and Nurses:

Injuries, such as motor vehicle crash, youth violence, and suicide, are the leading cause of child and adolescent death but is one of the most under-recognized public health problems. Almost all of these injuries **CAN BE PREVENTED** through widespread application of evidence-based practices and policies.

Research demonstrates that many physicians and nurses feel uncomfortable discussing injury prevention. A lack of exposure to injury prevention information has been identified as a reason for the lack of discussion. Broad, formal training regarding child and adolescent injury prevention up to this point not been widely available in a self-paced, open online learning format.

This course gives physicians and nurses a broad overview of pediatric injury prevention concepts that will allow them to become more comfortable in providing injury prevention anticipatory guidance to families and patients and become engaged as community advocates and stakeholders in their own practices, institutions, and communities.

Learning from an online course that blends concise video lectures, interviews with experts, high-yield readings, and online practical demonstrations on the **edX** learning platform, you will gain a broad overview about injury prevention in children and teens. No additional hardware or software is required for this course. Course content is consumed at the learner's own pace and injury prevention topics chosen in order of the participant's preference.

Expected Results and Target Audience:

- This online course lays a broad foundation for pediatric injury prevention to give learners an in-depth awareness of this major public health issue through powerful, concise, up-to-date lectures, interviews, and demonstrations from a multidisciplinary panel of nationally-recognized injury prevention experts. The course also provides a toolkit of strategies with detailed examples of key injury prevention concepts.
- Medical providers and trainees who care for children and teens in the fields of Pediatrics, Emergency Medicine, Family Medicine, Medicine-Pediatrics, Surgery, and Nursing will become more aware of the epidemiology, surveillance, risk and protective factors for injury, theory, prevention of child and adolescent injuries (both unintentional and intentional injuries) by taking this course.

Upon the completion of the course:

- Learners will be able to define injury, appreciate the magnitude and burden of pediatric injury, and describe the public health model of injury prevention.
- Learners will be able to discuss the rationale for common theories used in pediatric injury prevention and define different levels of prevention.
- Learners will be able to summarize common types of measurement in injury surveillance and self-reporting.
- Learners will become aware of the social determinants of health and summarize the impact they have on injury and health disparities in their patient population.
- Learners will define risk, explain promotive factors and their impact on injury prevention, and understand resiliency and its role in preventing pediatric injuries to share with patients and families in their practice.
- Learners will be able to describe effective prevention and intervention strategies related to different topics (stated below) within pediatric injury prevention to apply in their practice.

Enrolled participants will be exposed to the following topics:

- Epidemiology, Surveillance, Risk and Protective Factors, Theory for Child and Adolescent Injuries, and Health Inequities
- Intentional Injuries: Child Maltreatment, Adverse Childhood Experiences (ACES), Peer/Violence Bullying, Dating / Sexual Violence, Firearm Safety, Punishment and Parenting, and Suicide
- Transportation Safety: Infant/Child Passenger Safety, and Teen Driving
- Sports Injury Prevention (Concussion)
- Pediatric/Adolescent Substance Use
- Early Childhood Unintentional Injury (Drowning and Burns Prevention)
- Advocacy

Learner's knowledge will be assessed using multiple choice assessment questions after viewing each module's online lectures, interviews, or demonstrations and participants will also have an opportunity to participate in reflective statements about knowledge gained and what changes in practice that could be made as a result of taking this course, which can be viewed and shared with other learners in a global online forum.

Accreditation and credit designation statement

The University of Michigan Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Michigan Medical School designates this enduring material for a maximum of 26.25 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

To complete the entire course, we estimate it will take 26.25 hours. There is also an option for learners to earn partial CME on topics of interest (by module) to them; however, Module 2 must be completed.

- All modules = 26.25 total credit hours
- Module 2 = 6.5 credit hours
- Module 3 = 9.5 credit hours
- Module 4 = 3.5 credit hours
- Module 5 = 1.75 credit hours
- Module 6 = 1.75 credit hours
- Module 7 = 2.25 credit hours
- Module 8 = 1 credit hour

This activity was released in April 2021. CME credit may be awarded for a maximum of three years from its release date, specifically from April 2021 through March 2024.

Disclosures of commercial relationships

- *There are no relevant financial relationships with ACCME-defined commercial interests to disclose for this activity.*

Additional information available on-line:

For more information, please contact Andrew Hashikawa drewhash@med.umich.edu or the Injury Prevention Center at UMInjuryCenter@umich.edu

For more information about the edX platform, please click on the following: <https://support.edx.org/hc/en-us/categories/200357087-FAQ>