

## Peer Review Plan for “Pediatric Mild Traumatic Brain Injury Guideline Report”

**Title:** Pediatric Mild Traumatic Brain Injury Guideline Report

**Subject of Planned CDC Guideline Report:** The Pediatric Mild Traumatic Brain Injury Guideline Report will provide evidence-based, clinical practice recommendations on diagnosis and management of acute mild traumatic brain injury (TBI) among children and adolescents (age 18 and under). The guideline report is intended for acute care and primary care providers who diagnose and manage patients with mild TBI resulting from both unintentional and intentional injuries. The guideline report will be drafted based on the Institute of Medicine’s evidence-based guideline development process.

CDC’s National Center for Injury Prevention and Control’s (NCIPC) Board of Scientific Counselors (BSC) established and charged the Pediatric Mild Traumatic Brain Injury Workgroup to draft a report comprised of a systematic review and clinical recommendations on diagnosis and management of mild TBI among children and adolescents. The Pediatric Mild Traumatic Brain Injury Workgroup is comprised of leading experts on mild TBI and represent a wide range of expertise and specialties, such as: neurosurgery, pediatrics, emergency medicine, nursing, neurology, rehabilitation, neuroimaging, internal and family medicine, sports medicine, and school health. The NCIPC/BSC is a federal advisory committee comprised of leading experts in the field of injury and violence prevention that meets regularly to advise CDC/NCIPC. To fulfill its charge, the Pediatric Mild Traumatic Brain Injury Workgroup will present their report to the NCIPC/BSC for review and deliberation. The NCIPC/BSC will vote to accept, modify, or reject the report from the Workgroup. NCIPC/BSC will then present their recommendation on the Workgroup report to CDC. CDC will then accept or reject the recommendation from the NCIPC/BSC. If accepted, CDC’s guideline report will be drafted based on clinical recommendations contained in the Pediatric Mild Traumatic Brain Injury Workgroup report.

**Purpose of Planned CDC Guideline Report:** Appropriate diagnosis and management of children and adolescents with mild TBI, including concussion, can help safeguard the health of young Americans. The purpose of the guideline report is to help inform clinical care and promote use of evidence-based practices.

**Type of Dissemination:** Influential Scientific Information

**Timing of Review (including deferrals):** September 2017 – January 2018

**Type of Review (panel, individual or alternative procedure):** Individual

**Opportunities for the Public to Comment (how and when):** This project incorporates multiple opportunities for constituent and public comment. At the onset of their report development (2013), the Pediatric Mild Traumatic Brain Injury Workgroup posted the literature search strategy and methodology online for constituent comment. CDC conducted outreach to multiple medical and health organizations to announce the comment period and encourage review and comment by constituents. Comments from constituents were captured in a detailed spreadsheet and reviewed by the Pediatric Mild Traumatic Brain Injury Workgroup. In addition, regular updates were provided during NCIPC/BSC scientific advisory meetings throughout the duration of the Pediatric Mild Traumatic Brain Injury Workgroup’s effort (2013-2016). The NCIPC/BSC meetings are open to the public and presentations from the Workgroup are publicly available online. Finally, following the presentation of the Workgroup’s report to the NCIPC/BSC, the meeting will be open for comments from constituents. Advance notice of presentation of the workgroup report and request for public comment will be announced as part of the Federal Register Notice for the meeting. The report will also be posted online before the meeting, to give an opportunity for public review in preparation for public comment.

Following voting and approval, CDC's guideline report will be drafted based on clinical recommendations contained in the Pediatric Mild Traumatic Brain Injury Workgroup report. The draft CDC guideline report will be announced in the Federal Register and posted on Regulations.gov for a 30-day period. During this 30-day public comment period, CDC will conduct outreach to partners and the public (through email, social media, and an announcement in the Federal Register) to announce the public comment period and encourage review and comment by the public. Comments from the public comment period will be captured and responses to the comments will be drafted and posted on Regulations.gov.

**Peer Reviewers Provided with Public Comments before the Review:** Peer reviewers will be provided with the constituent comments received throughout the Pediatric Mild Traumatic Brain Injury Workgroup report development process before their review of the guideline.

**Anticipated Number of Reviewers:** 3

**Primary Disciplines or Expertise:** Peer reviewers will be selected based on subject matter expertise in the field while ensuring independence from the guideline development process. CDC will strictly abide by policies to control and manage any conflicts of interest among peer reviewers. Peer reviewers must have experience in the following:

- Experience with TBI and pediatrics, as evidenced through biographies and publications obtained from internet and PubMed searches.
- Have high scientific standing;
- Have appropriate academic training and relevant experience;
- Proven scientific excellence in the diagnosis and management of mild TBI among children and adolescents.
- Expertise in at least one of the following areas:
  - Pediatrics
  - Family Medicine
  - Internal Medicine
  - Emergency Medicine
  - Neurology
  - Neurosurgery
  - Neuroimaging
  - Neuropsychology

**Reviewers Selected by (agency or designated outside organization):** Based on the above criteria, the Centers for Disease Control and Prevention (CDC) will compile a list of potential reviewers. Following the presentation of the Workgroup's report to the NCIPC/BSC, potential peer reviewer names and selection criteria will also be discussed by the NCIPC/BSC. Potential reviewer names may be added or removed by CDC based on the discussion of the NCIPC/BSC.

**Public Nominations Requested for Reviewers:** No

**Charge to Peer Reviewers:** The document that you will review is a draft of the guideline document entitled "CDC Pediatric Mild Traumatic Brain Injury Guideline Report." The final recommendations will be posted on the website of the National Center for Injury Prevention and Control, Centers for Disease Control and Prevention: <http://www.cdc.gov/TraumaticBrainInjury>. We request your expert opinion on several issues, in particular:

- The reasonableness of the recommendations, and the strength of the recommendations, based on evidence and expert opinion
- The clarity with which scientific uncertainties are identified

- The rationale, importance, clarity, and ease of implementation of the recommendations.

At a later time, CDC will publicly post any comments you make (without attribution) with a response on the CDC/ATSDR Peer Review Agenda website: <http://www.cdc.gov/od/science/quality/support/peer-review.htm>.

**Additional elements to be added to the public posting as they become available:**

- Expertise of peer reviewers
- Peer reviewers' comments
- CDC's response to peer reviewers' comments