



July 3, 2023

Ms. Molly Lynyak
ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428
(transmitted via email mlynyak@astm.org)

Dear Ms. Lynyak:

I am writing to share a report recently completed by researchers at Boise State University under contract with the U.S. Consumer Product Safety Commission (CPSC). CPSC contracted with Boise State University to undertake a multifaceted approach (e.g., evaluation of incident data, product assessments, and limited human subject testing) to compare and evaluate infant seated products including infant carriers, bouncers, swings, rockers, strollers, and infant floor seats. CPSC supported the research to assess how the design characteristics of these seated products affect trunk flexion and chin-to-chest positioning when the infant is in the supine position, or in the prone position should an infant roll from supine into prone, and whether and how the design might affect an infant's ability to self-correct to avoid injury (e.g., moving their head to free their nose or mouth to allow adequate respiration).

The report is now available on CPSC's website at: [CPSC-Seated-Products-Report-FINAL.pdf](#) and staff requests that this report be shared with the ASTM F15 Juvenile Products subcommittees in that it may be of utility in discussions of potential improvements to the standards covered. Recommendations noted in the report include refined firmness testing, concavity, warnings, instructions, and other dimensions.

Sincerely,

Celestine T. Kish
Celestine T. Kish
Infant Sleep Project Manager¹
Division of Human Factors
Directorate for Engineering Sciences

cc: Jacqueline Campbell – CPSC Voluntary Standards Coordinator
Don Mays – Chairman, ASTM Committee F15 on Consumer Products
Daniel Taxier – CPSC Children's Program Manager
Erin Mannen, Ph.D. – Lead contractor, Boise State University

¹ The views or opinions expressed in this letter are solely those of the staff, and these views and opinions do not necessarily represent those of the Commission.