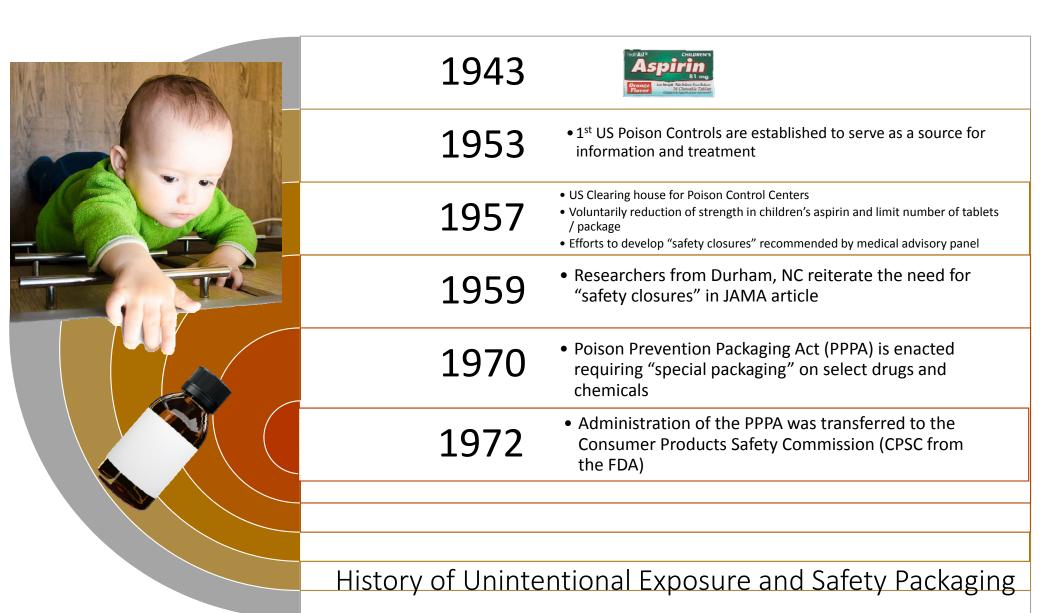
Poison Prevention, Product Safety and Development:

Preventing
Unintentional
Exposures

Laura Bix, PhD Associate Director School of Packaging, Michigan State University

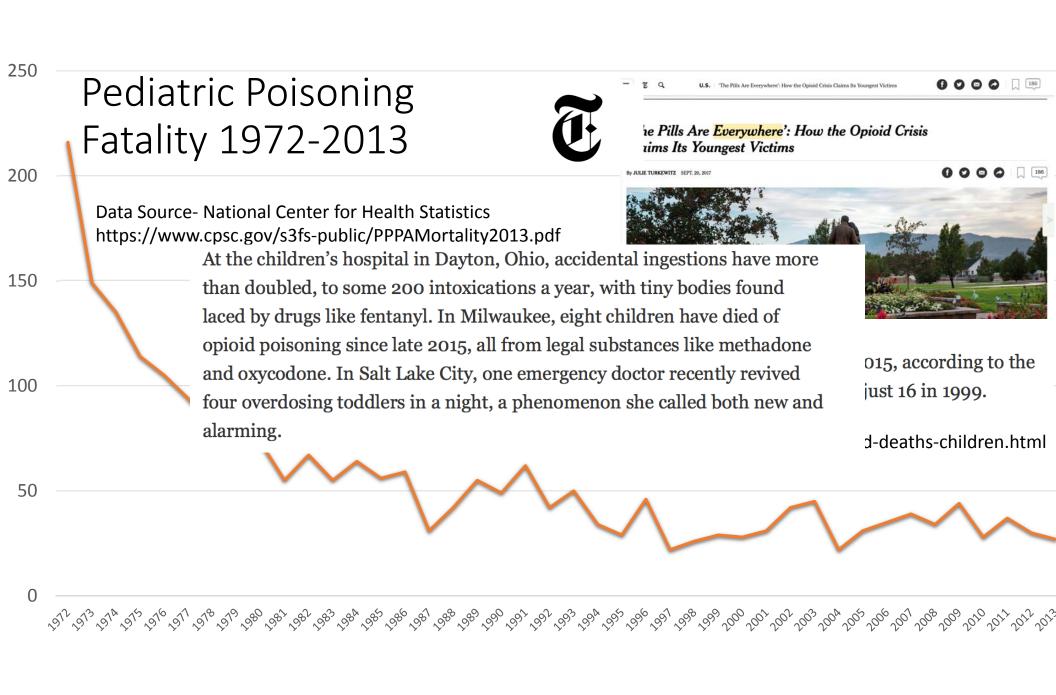






## The Poison Prevention Packaging Act Defined Special Packaging as

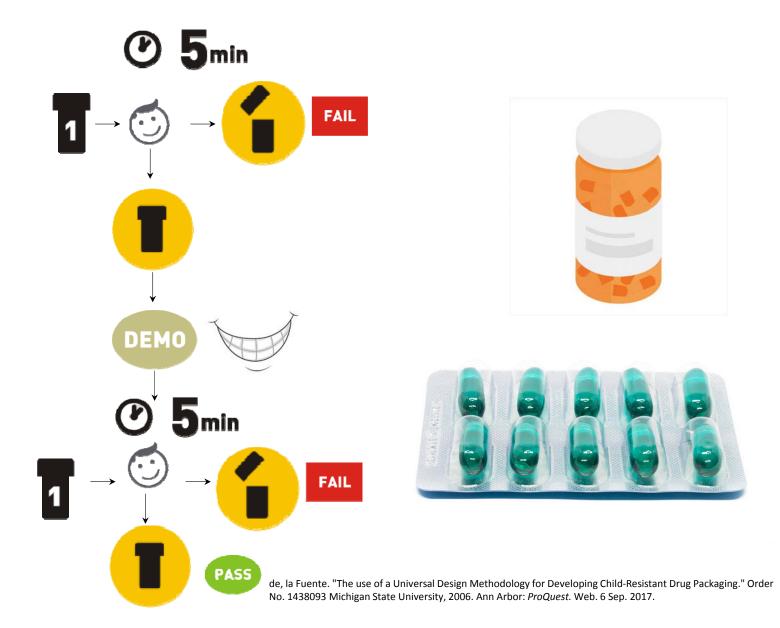
packaging that is designed or constructed to be significantly difficult for children under 5 years of age to open or obtain a toxic or harmful amount of the substance contained therein within a reasonable time and not difficult for *normal adults* to use properly, but does not mean packaging which all such children cannot open or obtain a toxic or harmful amount within a reasonable time

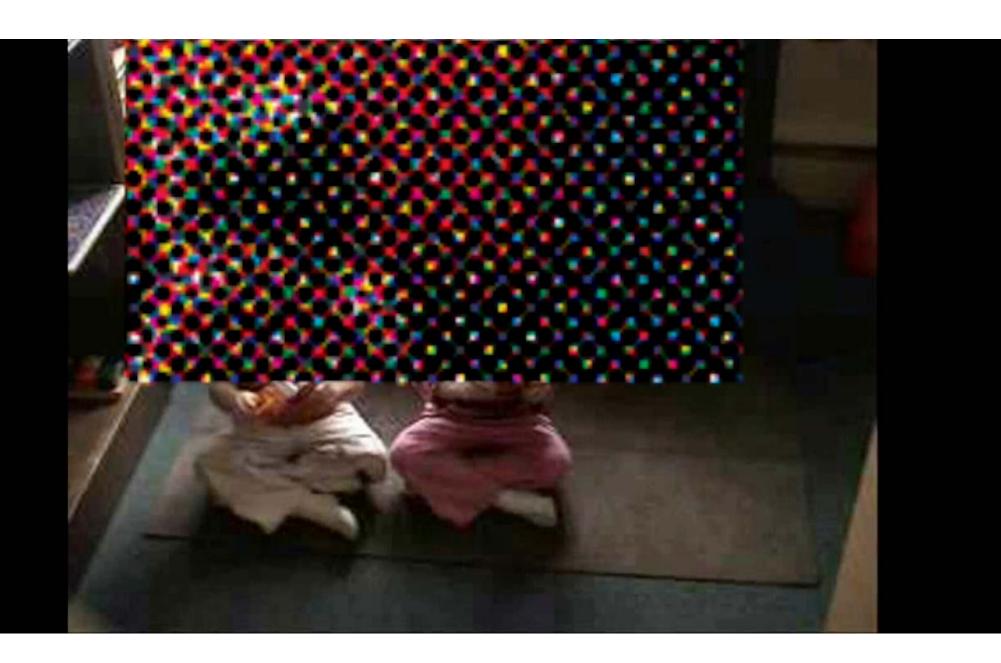


50- 200 children 42-51 months of age Tested in pairs In Panels of 50



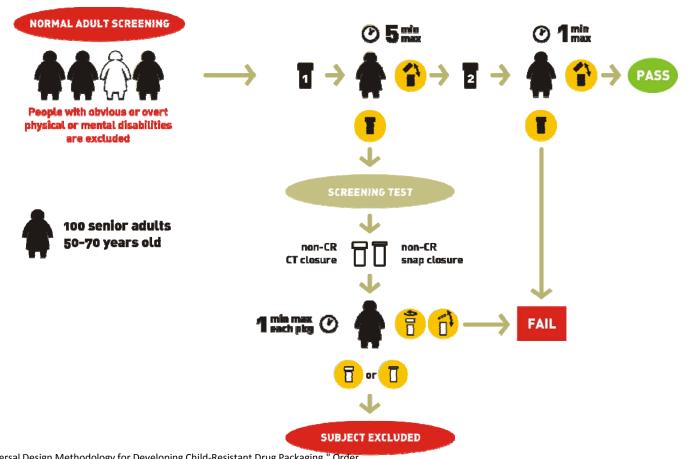
## Protocol Testing





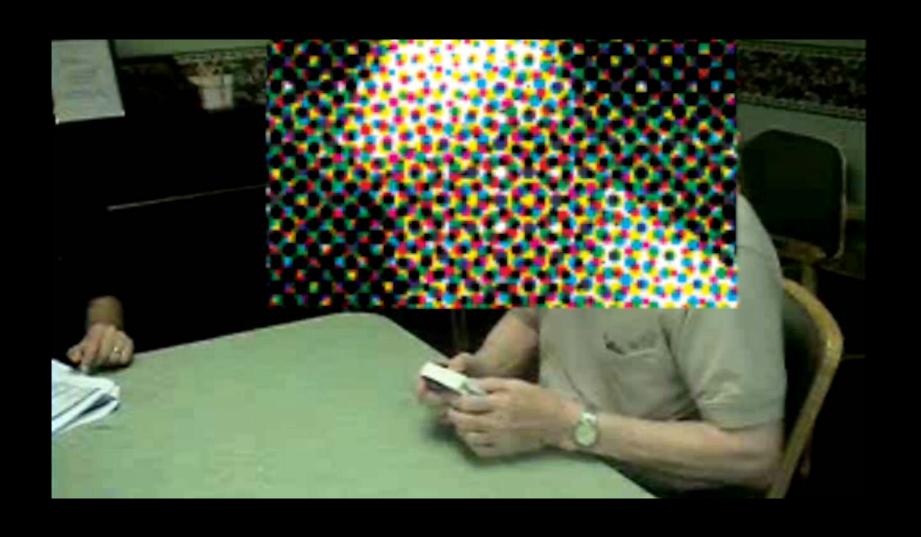
#### US CPSC protocol

### Senior adult test

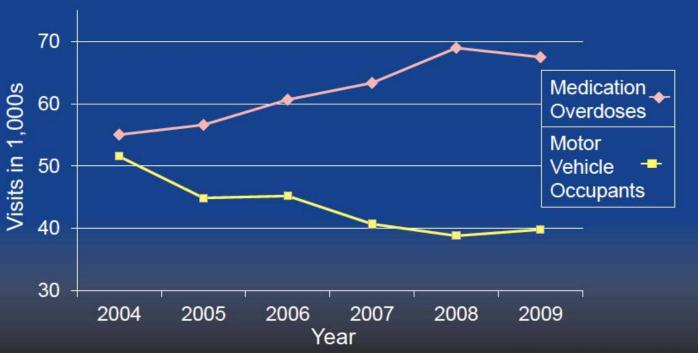




de, la Fuente. "The use of a Universal Design Methodology for Developing Child-Resistant Drug Packaging." Order No. 1438093 Michigan State University, 2006. Ann Arbor: *ProQuest*. Web. 6 Sep. 2017.



# ED Visits for Motor Vehicle Occupants & Medication Overdoses (Children <5 years)





www.cdc.gov/injury/wisqars/index.html National Electronic Injury Surveillance System-Cooperative Adverse Drug Event Surveillance Project (NEISS-CADES)

