Poison Prevention, Product Safety and Development: Preventing Unintentional Exposures

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<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tr>
<td>1943</td>
<td>1st US Poison Controls are established to serve as a source for information and treatment</td>
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<td>1953</td>
<td>US Clearing house for Poison Control Centers</td>
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<td>1957</td>
<td>Voluntarily reduction of strength in children’s aspirin and limit number of tablets / package</td>
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<td>1957</td>
<td>Efforts to develop “safety closures” recommended by medical advisory panel</td>
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<td>1959</td>
<td>Researchers from Durham, NC reiterate the need for “safety closures” in JAMA article</td>
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<td>1970</td>
<td>Poison Prevention Packaging Act (PPPA) is enacted requiring “special packaging” on select drugs and chemicals</td>
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<td>1972</td>
<td>Administration of the PPPA was transferred to the Consumer Products Safety Commission (CPSC from the FDA)</td>
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**History of Unintentional Exposure and Safety Packaging**
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
Pediatric Poisoning Fatality 1972-2013

Data Source- National Center for Health Statistics

At the children’s hospital in Dayton, Ohio, accidental ingestions have more than doubled, to some 200 intoxications a year, with tiny bodies found laced by drugs like fentanyl. In Milwaukee, eight children have died of opioid poisoning since late 2015, all from legal substances like methadone and oxycodone. In Salt Lake City, one emergency doctor recently revived four overdosing toddlers in a night, a phenomenon she called both new and alarming.

Protocol Testing

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

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

Visits in 1,000s

Year

2004 2005 2006 2007 2008 2009

Medication Overdoses
Motor Vehicle Occupants

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