

# Foreseeable Use or Misuse?



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## Risk Management

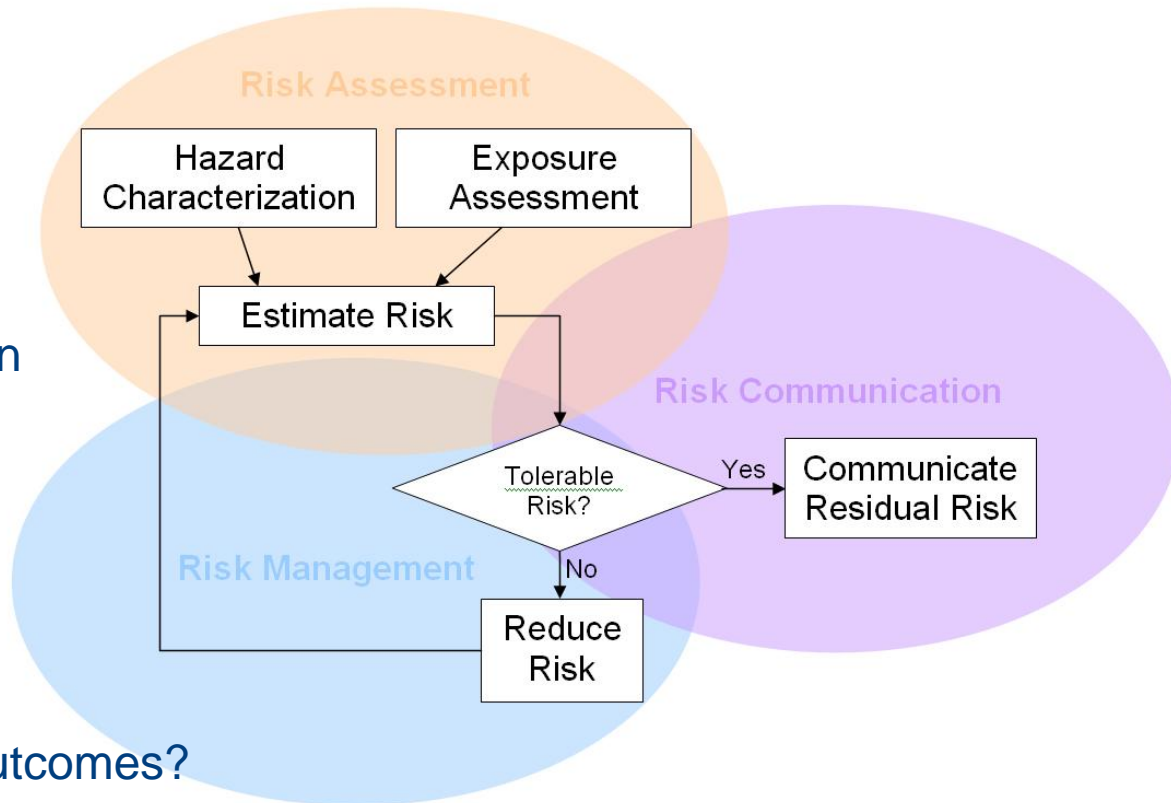
Step #1 Risk Perception

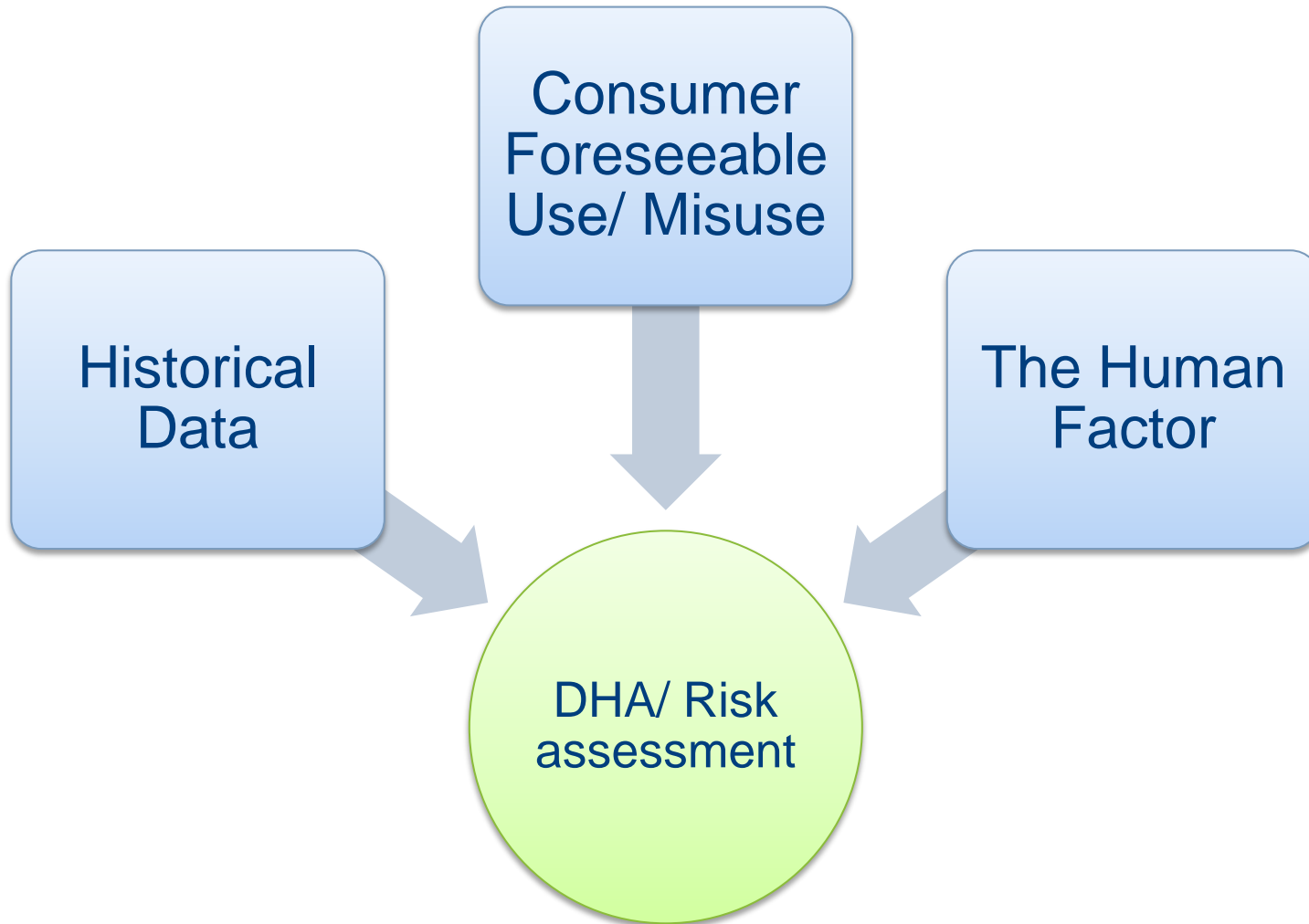
Step #2 Risk Assessment

Step #3 Risk Communication

Step #4 Risk Management

1. What can happen?  
(i.e., possibilities)
2. How likely are these outcomes?  
(i.e., probabilities)
3. If these outcomes occur what are the consequences?  
(i.e., impacts)





## RAPEX

<http://ec.europa.eu/consumers/safety/rapex/>



## CPSC

<http://www.cpsc.gov/Recalls/>



## Health Canada

<http://www.hc-sc.gc.ca/ahc-asc/media/advisories-avis/index-eng.php>



## Australia

<http://www.recalls.gov.au/>



# Injury/Fatality Data



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Source / Database		n	Dates	Years	Inc.	Inj.	Fat.	Com.
<b>AAPCC<sup>1</sup></b>		81,946	1988-1989	2	X			
<b>CHD<sup>2</sup></b>	North America	5,528	1989-1998	10		X		X
	Europe, S. Pacific, ME	2,318	1994-2002	9		X		X
	South Africa	436	1996-2005	10		X		X
	Far East	141	1999-2001	3		X		X
<b>CPSC<sup>3</sup></b>	NEISS	8,792,146	1983-2012	30		X		X
	Reported Incidents	634,479	1983-2012	30	X	X	X	X
	Accident Investigation	115,487	1983-2012	30		X	X	X
	Death Certificate Files	178,670	1983-2012	30			X	X
<b>CDC<sup>4</sup></b>	NEAIP	1,200,196	2000-2001	1.5		X	X	X
<b>DTI<sup>5</sup></b>	LASS, HASS, HADD	1,280,769	1985-1999	15		X	X	X
<b>ONS<sup>6</sup></b>		1,335	1998-1999	2			X	X
<b>HC<sup>7</sup></b>	CHIRPP	16,873	1990-2001	12		X		X
<b>TOTAL</b>		<b>12,310,324</b>						

- |           |   |             |  |
|-----------|---|-------------|--|
| 1. AAPCC: | American Association of Poison Control Centers    | 7. HC:      | Health Canada                                    |
| 2. CHD:   | Children's Hospital Choking Database              | 8. NEISS:   | National Electronic Injury Surveillance System   |
| 3. CPSC:  | The US Consumer Product Safety Commission         | 9. NEAIP:   | NEISS All Injury Program                         |
| 4. CDC:   | The US Centers for Disease Control and Prevention | 10. LASS:   | Leisure Accident Surveillance System             |
| 5. DTI:   | The UK Department of Trade and Industry           | 11. HASS:   | Home Accident Surveillance System                |
| 6. ONS:   | The UK Office for National Statistics             | 12. CHIRPP: | Canadian Injury Reporting and Prevention Program |

## Case Study – Garden Power Tool Injuries

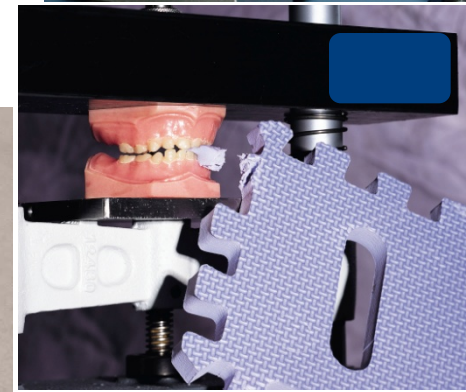
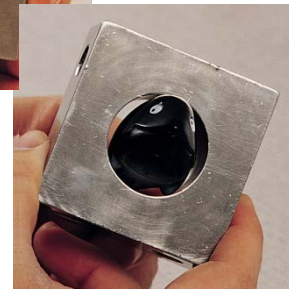
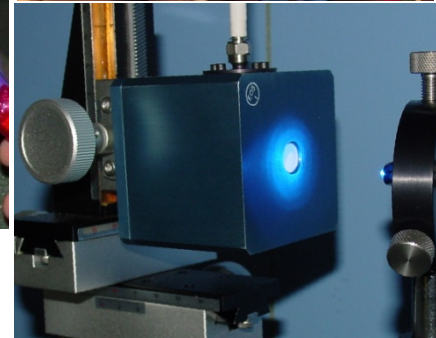
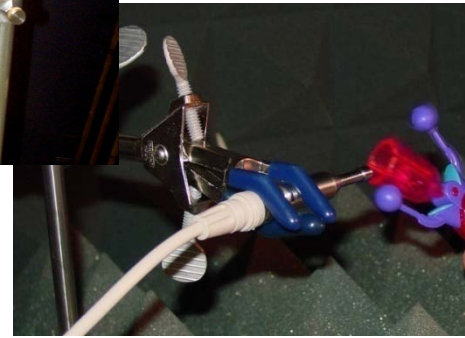
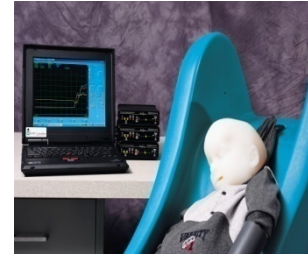
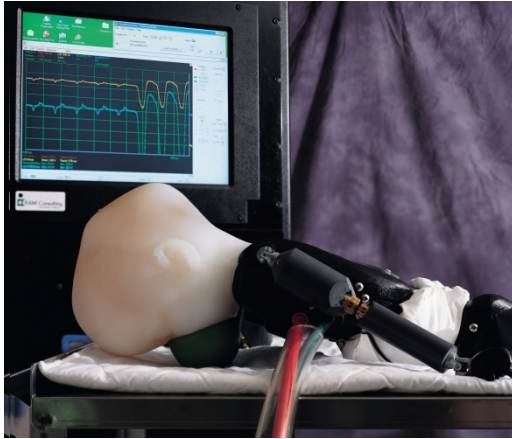
- Patient drunk and tried to start petrol mower and it jumped and hurt patient's foot. Unknown if patient fell as on the floor intoxicated.
- Just had electric mower serviced-didn't work so turned mower blade over-flew off and hit patient in face.
- Caught finger in throttle lever of lawn mower.
- Patient lifted lawn mower off the wall. Injury to wrist.
- A 2 year old grabbed hold of hot muffler of rototiller. 2nd degree burns to hand and thumb.
- An 11 year old felt something go into eye, while using weed-wacker. Diagnosis: conjunctivitis.
- A 13 year old sustained laceration to finger on blade of electric garden tool used to cut branches.



# Human Factors



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## Results of Intertek Technology in the Toy Industry<sup>1</sup>

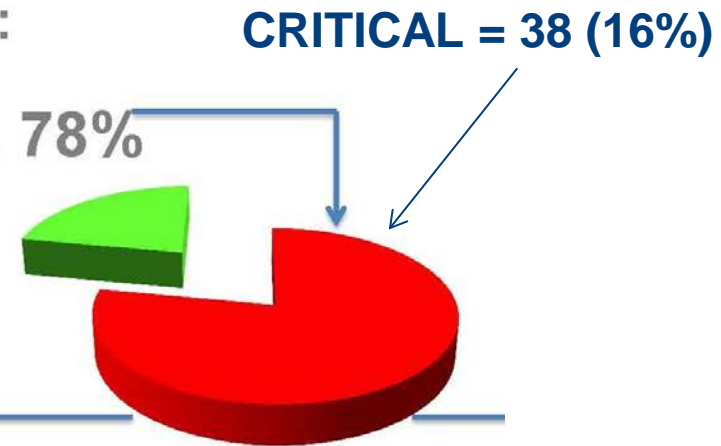
	U.S. Toy Industry <sup>2</sup>	Essential Safety
Deaths/Billion	6	0
Injuries/Billion	2,743	0
Minor Injuries/Billion	68,579	25

1. Time period 1999-2008.

2. For US toy industry, market research data was used to estimate toy quantity for 1999 & 2000. An estimate of 3 billion was used afterward.

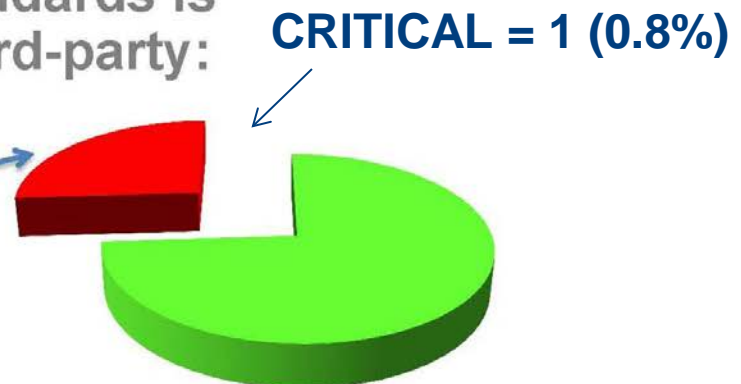
Products where compliance with safety standards is 'self-declared' (i.e. NOT reviewed by a third-party):

- Percentage of non-compliant/faulty products averages **78%**
- *These products are on the market today, and can be purchased and used by any EU consumer*



Products where compliance with safety standards is assessed by an accredited, independent third-party:

- Percentage of non-compliant/faulty products averages **26%**
- Of these, the vast majority were issues related to warnings and labels



Source: Consumer Product Safety in Europe: Nov 2014 (IFIA/CEOC International)

The logo consists of the word "Intertek" in a white, bold, sans-serif font, centered within a dark blue rounded rectangular background.

**Intertek**

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