Foreign Body Entering Into or Through a Natural Orifice

Jeffrey Linzer Sr, MD, FAAP, FACEP
Member, AAP Committee on Coding and Nomenclature
AAP Liaison to the ICD Editorial Advisory Board and Coordination and Maintenance Committee
September 14, 2022

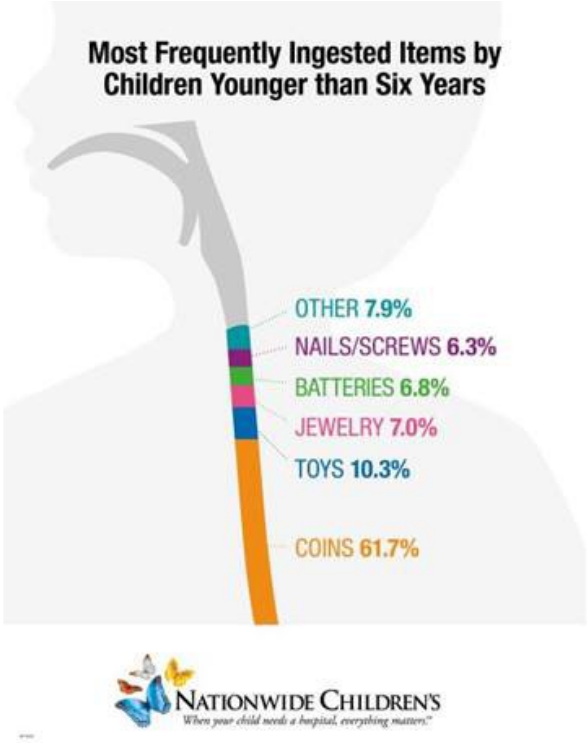
American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN®

Foreign bodies

This Photo by Unknown Author is licensed under CC BY-SA-NC

How frequent?

- A 2019 study from Nationwide Children's Hospital reviewing 21 years of data from the National Electronic Injury Surveillance System estimated >759,000 children <6 y/o were evaluated for foreign body ingestions in the ED



- Orsagh-Yentis D, McAdams RJ, Roberts KJ, McKenzie LB. Foreign-Body Ingestions of Young Children Treated in US Emergency Departments: 1995-2015. Pediatrics. 2019;143(5):e20181988. doi:10.1542/peds.2018-1988

How frequent? Cont.

However, a poll of >400 pediatric otolaryngologists, gastroenterologists, and surgeons to assess reporting practices to a data source found 30,000+ cases <u>NOT reported</u> to a data source resulting in a 4% foreign body/caustic injury reporting rate

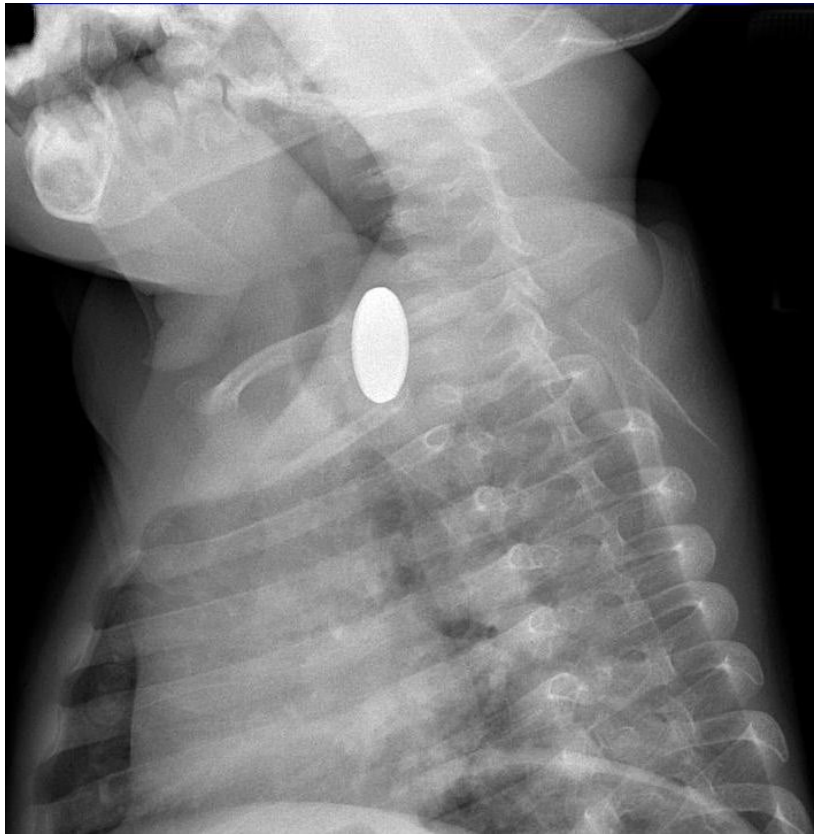
Category:	Cases Reported (Recount):	Percentage Reported:
Button Battery	361 (3,335)	11%
Toys or Toy Parts	156 (5,194)	3%
Magnets	151 (1,847)	8%
Detergent Pods	251 (1,179)	21%
Other FB (Food, etc)	494 (21,115)	2%

So, what's the problem?

- Currently codes can tell you where the foreign body is located but it can't tell you the type of foreign body
  - except for magnetic vs. non-magnetic retained eye FB
- There are nonspecific foreign body codes
  - W45.0 Nail entering through skin
  - W45.8 Other foreign body or object entering through skin
  - Z18.- Retained foreign body fragments

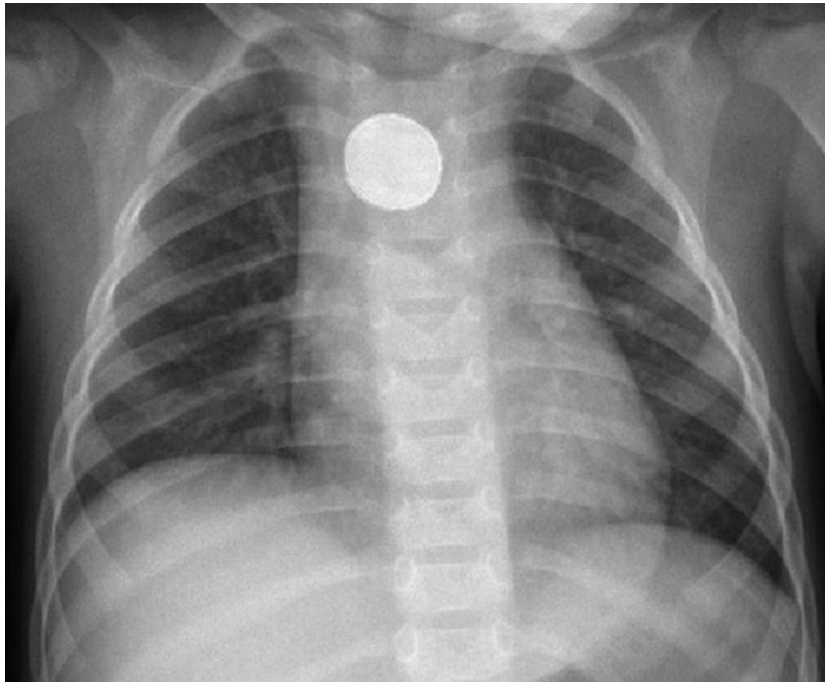
So, what's the difference?

This (coin) is not the same



This Photo by Unknown Author is licensed under CC BY-SA

As this (battery)



This Photo by Unknown Author is licensed under CC BY-NC

Proposal

- In order to better track the type of foreign body and support resource utilization, we propose adding the WHO code category W44 (Foreign body entering into or through eye or natural orifice) to the external cause chapter to better identify the type of foreign body leading to the encounter
- These codes will be applicable to current codes that indicate a foreign body is present through a natural orifice (T15-T19)

Propose specific codes to identify

(not complete list)

- Button battery
- Cylindrical battery
- Plastic
  - bead
  - coin
  - toy
  - jewelry
  - bottle
- Sharp glass [shard]
- Intact glass
- Knife
- Magnetic and non-magnetic
  - metal bead
  - metal coin
  - metal toy
  - metal jewelry
- Bezoar
- Rubber band
- Insect
- Food
- Audio device
- Needle

Questions

- Questions?
- Thank you for your consideration