



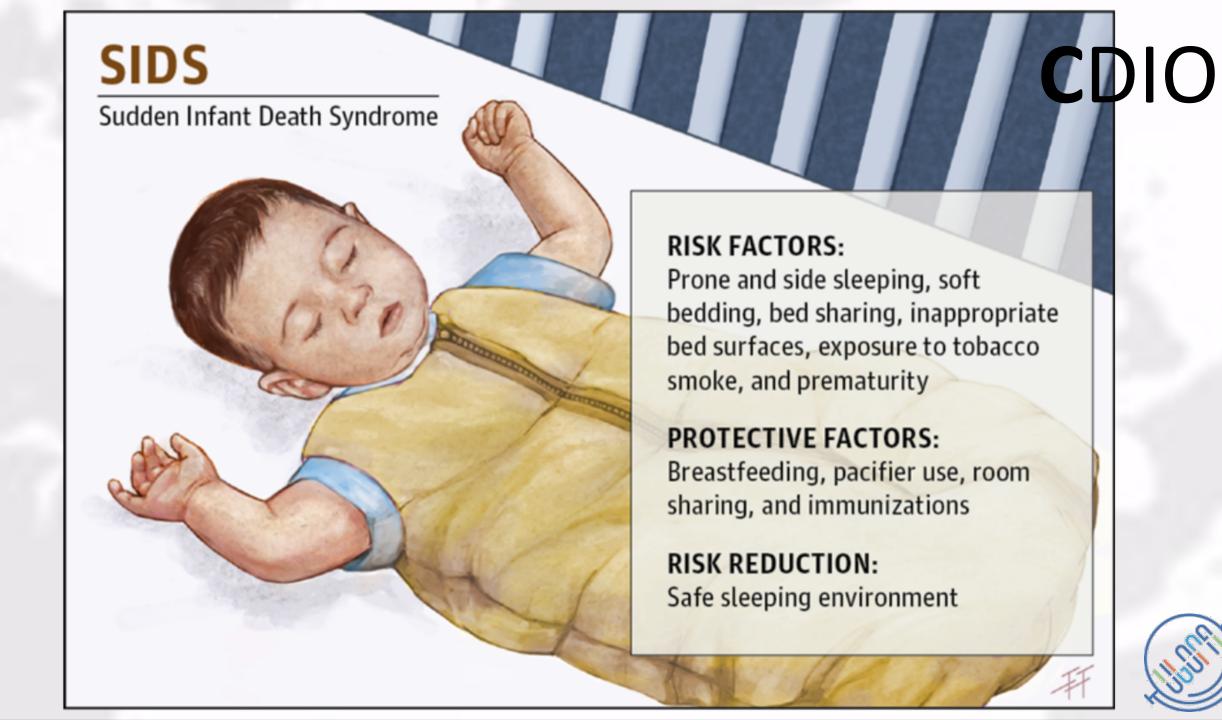
What is SIDS?

CDIO

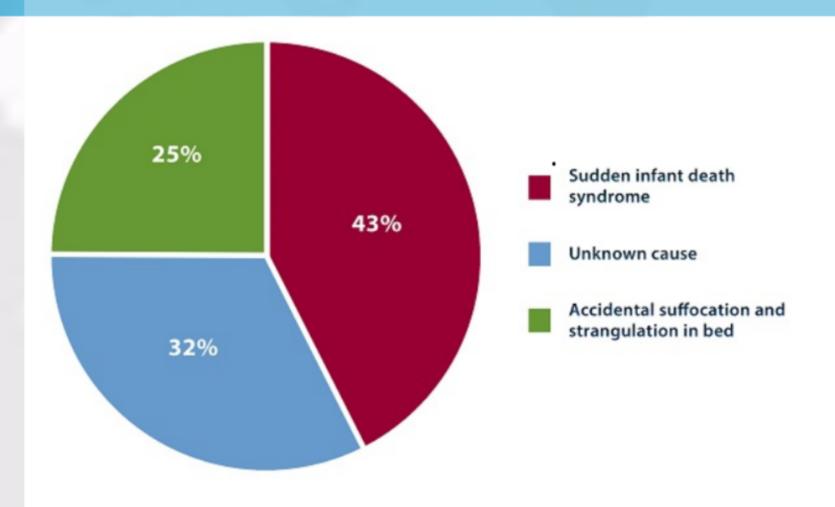
Sudden infant death syndrome (SIDS) is the unexplained death, usually during sleep, of a seemingly healthy baby less than a year old.

SIDS is sometimes known as crib death because the infants often die in their cribs.





Causes of Unexpected Infant Deaths, 2015







SOURCE: CDC/NCHS, National Vital Statistics System, Compressed Mortality File.

More Facts!

CDIO

6x

Infants placed on their faces to sleep are 6x more in risk than those sleeping on their back



270

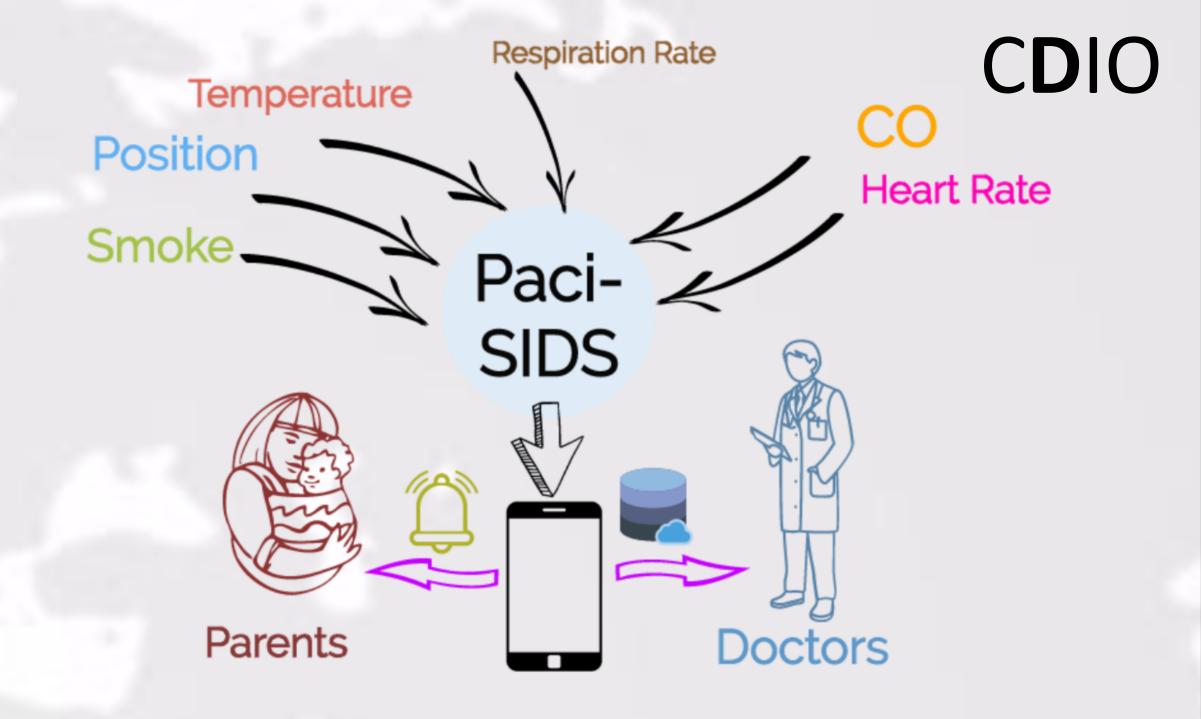
270 Babies die yearly in the UK , which is 5 babies each week!



CDIO SIDS Best **Practices and Considerations**







Paci-SIDS Properties



Class of risk and Standards

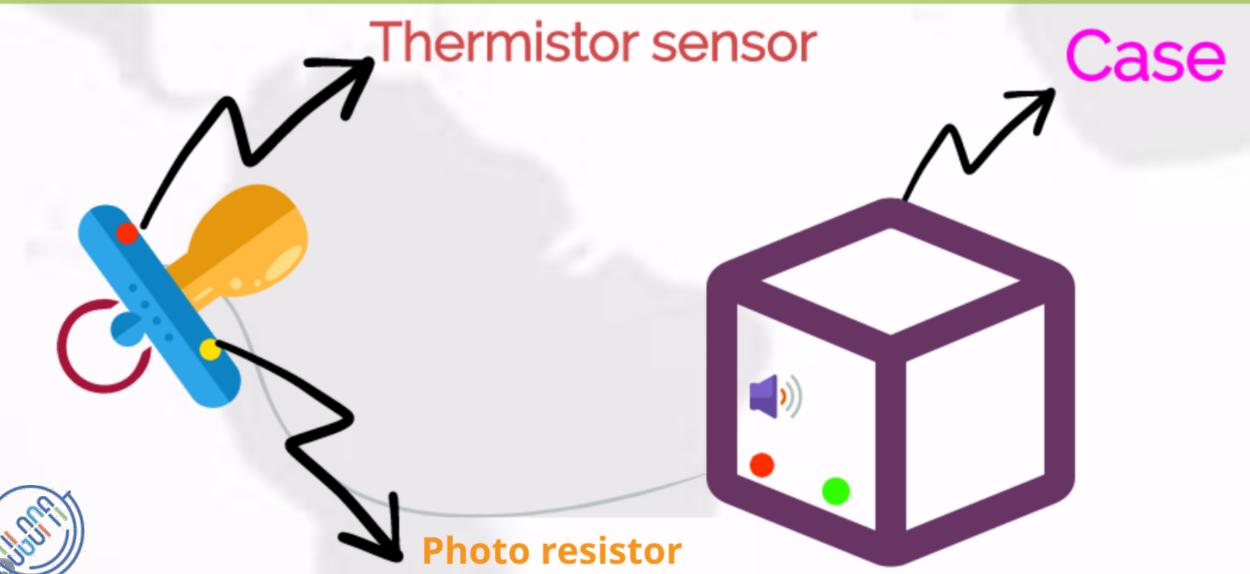
- Paci-sids is a Class IIB Device
- EN 12586:2007: Child use and care articles. Soother holder. Safety requirements and test methods
- **EN 1400:2013 :** Child use and care articles. Soothers for babies and young children. Safety requirements and test methods.
- BS EN 12868:2017: Child use and care articles. Method for determining the release
 of Nnitrosamines and N-nitrosatable substances from elastomer or rubber teats and
 soothers.
- ISO 18778:2005: Respiratory equipment. Infant monitors. Particular requirements.
- ISO 7000:2014: Supply chain risk management. Supplier prequalification.
- IEC 60601:2016: Medical electrical equipment. Guidance and interpretation.
 Electromagnetic immunity: performance of medical electrical equipment and medical electrical system.



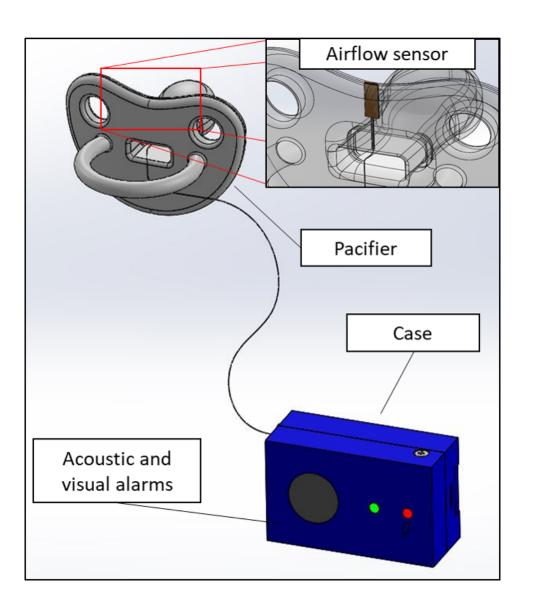


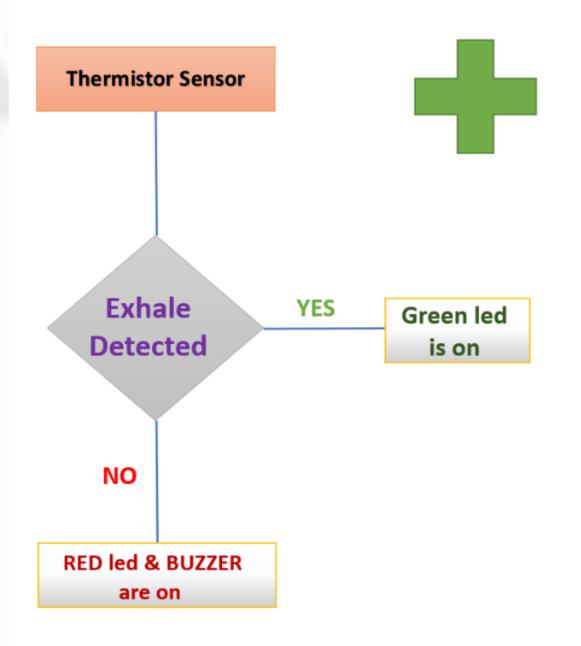


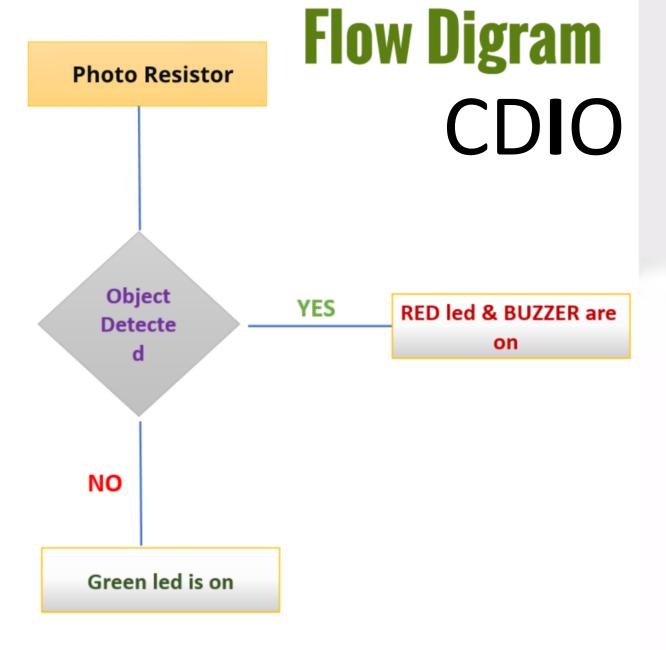
Pacifier Based Implementation



Pacifier Design and 3D Printing



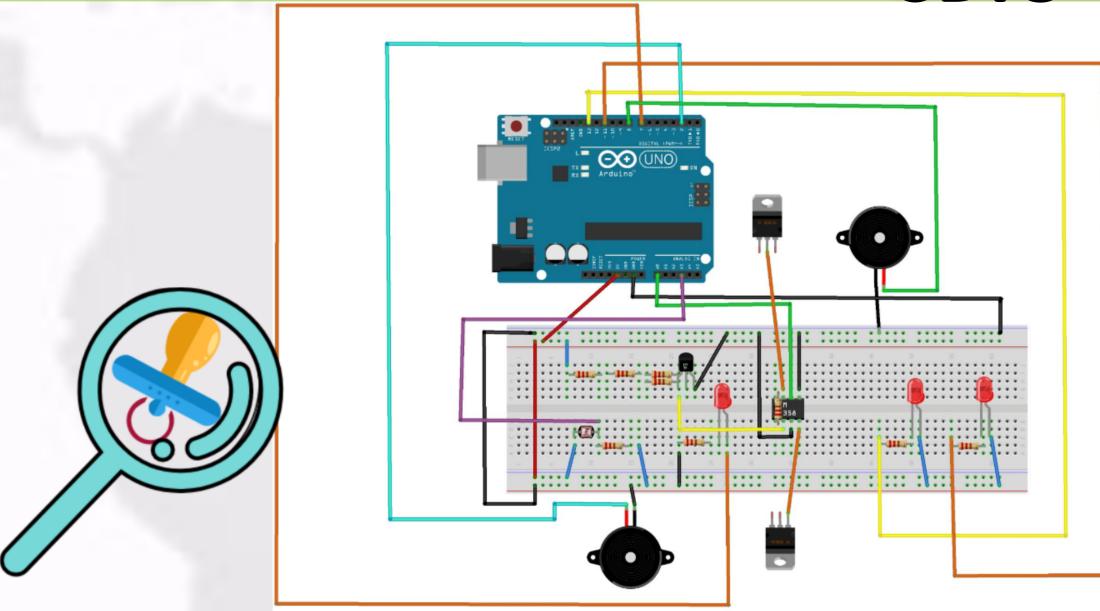




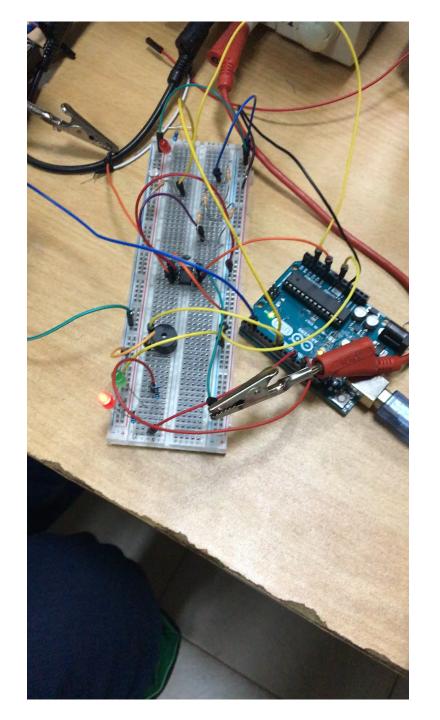


Closer look at the Implementation





Demo of the **prototype**



Paci-SIDS Operation

Paci-SIDS will be rented to parents by local health centres for the first year of baby's life

Information collected by this system will be collected and aggregated to try to reach the root causes of SIDS and best possible approaches for prevention

The system can be reused by multiple families to reduce costs (after replacing the pacifier piece)

