



Features:

- Biosensors
- Wireless Communication Technology
- Mobile Device Application
- Variety of Notifications for Different Scenarios

Benefits:

- Gives Peace of Mind that Your Baby is Safe
- Helps to Prevent Infant Death
- Monitors More Vitals than Competitors

The Product

Every year in the United States, around 2,000 infants die to SIDS, or Sudden Infant Death Syndrome. Also, recent trends in the medical field have shown that more people have focused on prevention of a problem rather than treatment. Our team has taken both of these facts into consideration and have created a concept for a product to prevent SIDS in the US. The Safety Sock is a sock that velcros on to an infant's foot and takes their vitals (breathing rate, temperature, etc.). If something seems wrong, the Safety Sock will use wireless communication technology to notify a parent/guardian/caretaker. Safety Sock utilizes a variety of notifications for each potentially dangerous change in vitals. For example, if the baby has a significantly high temperature, the notification would be an alarm followed by a red light for high fever. If the baby stops breathing the notification would be an alarm followed by a blue light for loss of oxygen. Also, if the sock unit happens to fall off in the night, a notification followed by a white light would go off to signal that the child may not be in danger but is no longer being monitored by the Safety Sock. Though saving a child's life is not a guarantee, the Safety Sock gives parents the opportunity to take their baby to the hospital, call an ambulance, change the child's sleeping position, or perform procedures such as CPR to hopefully revive or save their baby.

Safety Sock features biosensors that take and monitor the infant wearing the monitor's vitals, wireless communication technology, and a phone application to receive alerts if something goes wrong with the child's vitals. The bioreceptors in the Safety Sock's monitor will observe antibody reactions to determine the status of the child's different vitals. Initially, our product will be sold for about \$235 on Amazon and in baby stores across the country.

