

# FitBaby: Hospital to Home

Premature birth is associated with long term health impairments including neurological and cognitive deficiencies, chronic lung disease, and altered growth patterns of lean, fat, and bone tissues. Furthermore, parents of premature infants may experience excessive stress, post-partum depression, and other challenges associated with the birth of and caring for their child. We are designing, developing, and deploying technologies to detect abnormal baby movements in the NICU with accelerometers. Data collection continues as these high risk babies move home with a mobile solution for collecting infant and caregiver observations, sharing this data with their providers, and visualizing and summarizing these data. We are additionally developing a capture and access tool called Estrellita to share data with healthcare providers, close relatives, and friends.



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[www.star-uci.org/2010/07/01/fitbaby/](http://www.star-uci.org/2010/07/01/fitbaby/)

