



C. Jason Wang, MD PhD

Young Clinician Award 2010

Investigator Profile

Education

- PhD, RAND Graduate School, Santa Monica CA, 2006
- MD, Harvard Medical School, 1996
- BS, Massachusetts Institute of Technology, 1992



Clinical /Professional Appointment

- Attending, Boston Medical Center
- Associate Professor of Pediatrics, BU School of Medicine
- Associate Professor of Community Health Sciences, BU School of Public Health

Recent Honors and Awards

- Chang Shin-Chia Scholar: Center for Healthcare Improvement, Taiwan
- Robert Wood Johnson Physician Faculty Scholar

Impact on Care

Each year, nearly 60,000 infants in the U.S. are born very-low-birth-weight (VLBW) and preterm (< 37 weeks gestation).

- VLBW children are disproportionately born to African American families and families of low socio-economic status
- Most VLBW infants will develop chronic conditions
- But many VLBW children do not receive recommended follow-up care and are not enrolled in Early Intervention services
- Recent studies have shown that VLBW families have needs related to service coordination, social support and VLBW-specific education after discharge

Potential Impact of TeACH Module:

- TeACH's Parent Connection forum will provide a platform to collect detailed information from parents about their everyday experiences
- TeACH will facilitate major improvements in the organization of care for VLBW babies after discharge by serving as a "virtual medical home"
- TeACH will increase adherence to recommended care (quality indicators)

Abstract

Technology to Advance Children's Health (TeACH) aims to develop a condition-specific Web Portal for families who share the same health care issues.

<http://mypreemie.org>

Project aims:

1. Finalize an existing prototype of a VLBW-specific Web Portal
2. Refine the system by providing 10 urban families with PC/Netbook
3. Conduct a formative evaluation by interviewing families
4. Explore the use of TeACH modules as applications in Smartphones

TeACH has ten modules:

- Daily Check-in - asks parents basic questions and provides feedback about their baby's care based on quality indicators for recommended care
- Schedule Master - illustrates a calendar of upcoming appointments
- Virtual Visit - provides virtual communication with care managers
- Baby University - allows access to audiovisual health education materials
- My Baby's Health - links parents to Microsoft HealthVault or Google Health in order to maintain a personalized health record for their babies
- Progress Report - provides parents an opportunity to view their baby's progress in receiving recommended services
- Parent Connection - connects parents to one another through a social networking module
- My Extras - personalizes each parent's TeACH page with widgets
- My Contacts - saves contact information for child's providers
- My Needs - coordinates family's needs with appropriate donations or services

