

**A Study of an Electronically Engaged Pediatric Family Consultation Service
IRB# 150192**

SPECIFIC AIM 1: Describe the characteristics, capacities, preferences, information needs, and health management needs in a diverse set of adult caregivers of pediatric patients hospitalized at the Vanderbilt Children's Hospital (VCH). We will assess these entities using assessment forms designed specifically for use in the consultation service, which will assess demographics, socioeconomic characteristics, preferences, and expressed needs. We will assess health literacy, e-health literacy, perceived health competence, and numeracy using validated instruments. The products of Aim 1 will be (1) a set of user profiles representing the caregivers of hospitalized pediatric patients and (2) a taxonomy of consumer information and health management needs.

SPECIFIC AIM 2: Develop and administer health information technology interventions that can meet these needs in the inpatient setting or during transition to outpatient care. We will recommend health information technology interventions to meet the needs identified during assessment and provide the necessary training or education to administer those interventions. The product of Aim 2 will be a collection of health information technology interventions that can be applied to later cases in which similar health needs and preferences are identified.

SPECIFIC AIM 3: Determine the effects of the inpatient consultation on family health needs, e-health literacy, perceived health competence, and parent engagement. We will assess baseline engagement using the Parent Patient Activation Measure (PPAM) during the initial consultation assessment. We will conduct assessments during the period admission, follow up surveys at discharge, and follow up surveys one month following discharge to determine the degree to which health needs have been met, how effective proposed interventions were, and any changes in e-health literacy, perceived health competence, and parent engagement. If the MHAV patient portal was recommended as part of a health information technology intervention, we will assess MHAV usage with participant permission.